FCC PART 15.407
ISED RSS-247 ISSUE 2
DYNAMIC FREQUENCY SELECTION
TEST REPORT

For

Cisco Systems Inc.

FCC: 125 West Tasman Drive
San Jose, CA 95134-1706
IC: 170 W. Tasman Drive, Building P & 7
San Jose, CA 95134, United States of America (Excluding The States of Alaska)

FCC ID: LDKIW9167EH
IC: 2461A-IW9167EH

Report Type: Original Report		**Product Type:** Access Point
Prepared By	Tao Jin Test Engineer	
Report Number	R2212126 Rev A	
Report Date	2023-02-02	
Reviewed By	Simon Ma RF Supervisor	

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ACCREDITED
CERTIFICATE #3297.02

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2212126	Original Report	2023-01-23
1	R2212126 Rev A	Updating Applicant's address on the cover page.	2023-02-02

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test report was prepared on behalf of *Cisco Systems Inc*., and their product *FCC ID: LDKIW9167EH, IC: 2461A-IW9167EH,* Model: IW9167EH-B (FCC) and IW9167EH-A (ISED) as referred to as EUT in this report. The product is a 4x4 Access Point, which has two radios: Pine and Iron. Pine supports up to 160 MHz channel bandwidth configurations, and Iron supports up to 80 MHz channel bandwidth configurations. Both radio supports operation in access point (AP) mode, point to point (P2P) mode, and point to multipoint (P2MP) mode. The device doesn't support 802.11ax channel puncturing or "zero-wait DFS".

IW9167EH-A - Industrial Wireless 9167 AP - A domain (Hardware PID)
IW9167EH-A-AP - Wi-Fi mode
IW9167EH-A-URWB - URWB mode

IW9167EH-B - Industrial Wireless 9167 AP - B domain (Hardware PID)
IW9167EH-B-AP - Wi-Fi mode
IW9167EH-B-URWB - URWB mode

IW9167EH-ROW - Industrial Wireless 9167 AP - ROW domain (Hardware PID)
IW9167EH-ROW-AP - Wi-Fi mode
IW9167EH-ROW-URWB - URWB mode

1.2 Mechanical Description of EUT

Length (cm)	Width (cm)	Height (cm)	Weight (kg)	S/N
28.7	26.7	7.1	4.2	KWC26410ZYR

1.3 Objective

This report is prepared on behalf of *Cisco Systems Inc.* in accordance with FCC CFR47 §15.407 (h), RSS-247 Issue 2, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

The objective was to determine compliance with FCC and ISED rules for DFS Detection Threshold, Channel Availability Check Time, Uniform Spreading U-NII Detection Bandwidth, Channel Closing Transmission Time, and Channel Move time in AP, P2P, and P2MP modes.

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h), RSS-247 Issue 2.

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 17025:2017 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 17025:2017 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 17025:2017 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 - ISEDC) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
  - 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), RSS-247 Issue 2, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

2.2 EUT Exercise Software

The test used TeraTerm and test commands, provided by *Cisco Systems Inc.*, the software is compliant with the standard requirements being tested against.

The device includes 2 different firmware images:
AP mode using WNBU image
P2P and P2MP using CURUWB image

The EUT firmware version:
WNBU Image: ap1g6a-k9w8-tar.202211202130
CURUWB Image: ap1g6j-k9c1-tar.202212282251

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop RF1	Latitude E7440	C71SYZ1
ASUS	Laptop	FX504G	J6NRCX037440249

2.5 Remote Support Equipment

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T490	PF-274C83
Cisco	Access Point	IW9167EH-A, IW9167EH-B	KWC26410ZZ9
Mini-Circuits	Power Splitter	ZN4PD1-63-S+	S UU71701639

2.6 Interface Ports and Cables

Cable Description	Length	To	From
Ethernet cable	2 m	PoE	EUT
Ethernet cable	2 m	EUT	Laptop
Serial Port cable	2 m	EUT	Laptop
Ethernet cable	2 m	PoE	Support Device
Ethernet cable	2 m	Support Device	Laptop
Serial Port cable	2 m	Support Device	Laptop

3 Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h), RSS-247 Issue 2, 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

Disclaimer: *BACL is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report. Information provided by the customer, e.g., antenna gain, can affect the validity of results.*

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h), RSS-247 Issue 2, 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≥ 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 ***See Note 1***.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. ***See Notes 1 and 2***.
U-NII Detection Bandwidth	Minimum 100% of the UNII 99% transmission power bandwidth. ***See Note 3***.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 5: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (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 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	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

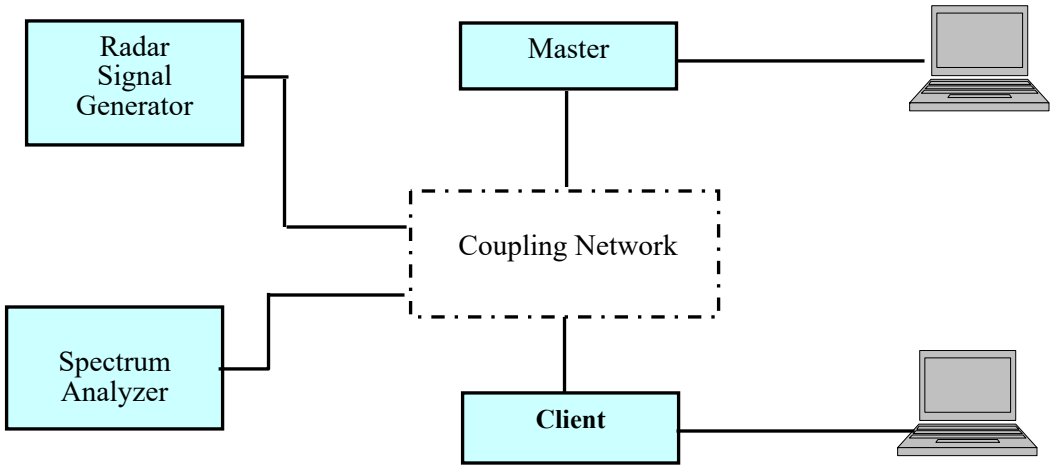
Table 7: Frequency Hopping Radar Test Signal

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

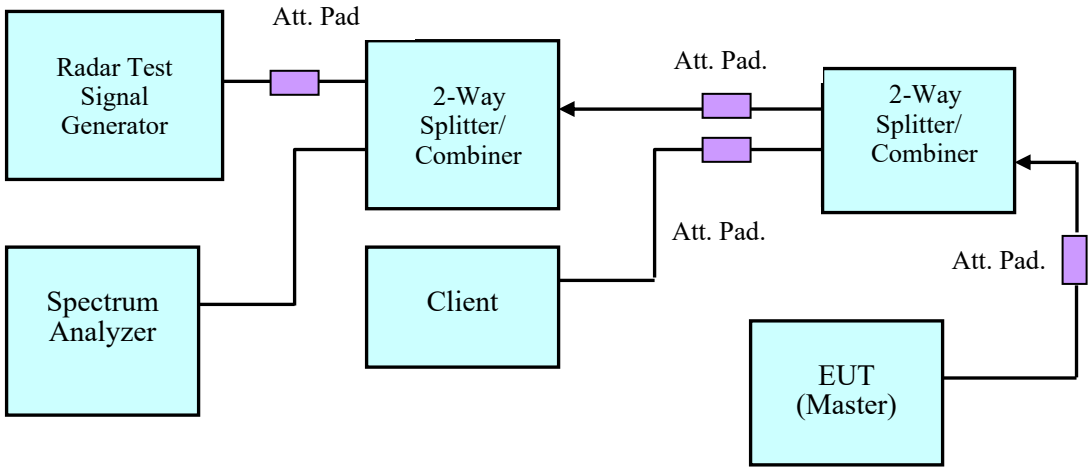
4.2 DFS Measurement System

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 Conducted Method for Master Mode (AP, P2P, and P2MP)

4.5 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 5250-5350 MHz and 5470-5725 MHz range in each one of the three Operational Modes (AP, P2P and P2MP) for both radios (Iron and Pine).

For Iron Radio, in all three operating modes, EUT is configured to channel 100 for testing in 20 MHz bandwidth mode, configured to channel 102 for testing in 40 MHz bandwidth mode, and configured to channel 106 for testing in 80 MHz bandwidth mode.

For Pine Radio, in all three operating modes, EUT is configured to channel 100 for testing in 20 MHz bandwidth mode, configured to channel 102 for testing in 40 MHz bandwidth mode, configured to channel 106 for testing in 80 MHz bandwidth mode, configured to channel 114 for testing in 160 MHz bandwidth mode.

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

Adding the provided 3 dBi antenna gain for AP and P2MP modes, and 10dBi antenna gain for P2P mode, the calibrated conducted DFS detection threshold level is set to -61 dBm for AP and P2MP modes, and is set to -54 dBm for P2P mode. Please refer to the detailed antenna information in the next section.

WLAN traffic is generated by running iperf3.

5.2 Antenna Description

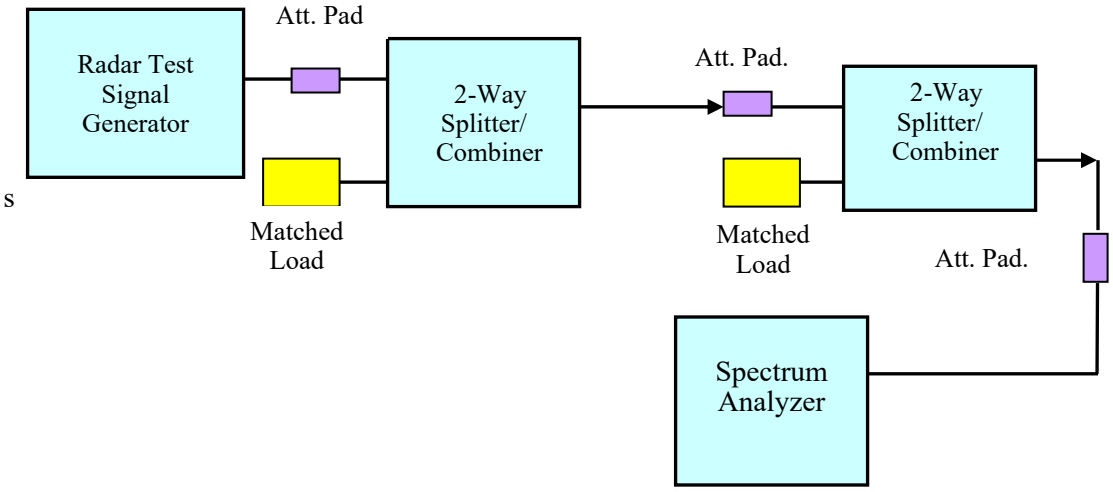
Antenna Type	Supplier	Antenna Part No.	Frequency (MHz)	Peak Antenna Gain (dBi)
Horn	RF Elements	HG3-CC-S90	5180-6400	10
Omnidirectional	MP Antenna	08-ANT-0985	4900-6000	3

5.3 Test Equipment List and Details

BACL No.	Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
547	National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A	N/A
547	National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
547	National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
547	ASCOR	Upconverter	AS-7206	N/A	N/A	N/A
624	Agilent	Analyzer, Spectrum	E4446A	MY48250238	2022-08-01	1 year
287	HP	Analyzer, Spectrum	E4446A	US44300386	2022-05-05	1 year
655	Rohde & Schwarz	Signal Analyzer	FSQ26	200749	2022-02-07	2 years
912	Rhode & Schwarz	Signal Analyzer	FSV40	1321.3008k39-101203-UW	2022-05-05	1 year
424	Agilent	Analyzer, Spectrum	E4440A	US45303156	2022-12-19	1 year
-	Mini-Circuits	Power Splitter	ZN4PD1-63-S+	S F263501223	N/A	N/A
-	Mini-Circuits	Power Splitter	ZN2PD-9G-S+	S F038700723	N/A	N/A
-	Mini-Circuits	Power Splitter	ZFSC-2-10G	0 0349	N/A	N/A
-	-	Attenuator	-	-	Each Time	Each Time
-	-	RF Cable	-	-	Each Time	Each Time

Note[1]: cable and attenuator included in the test set-up will be checked each time before testing.
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



Conducted Calibration Setup Block Diagram

5.5 Test Environmental Conditions

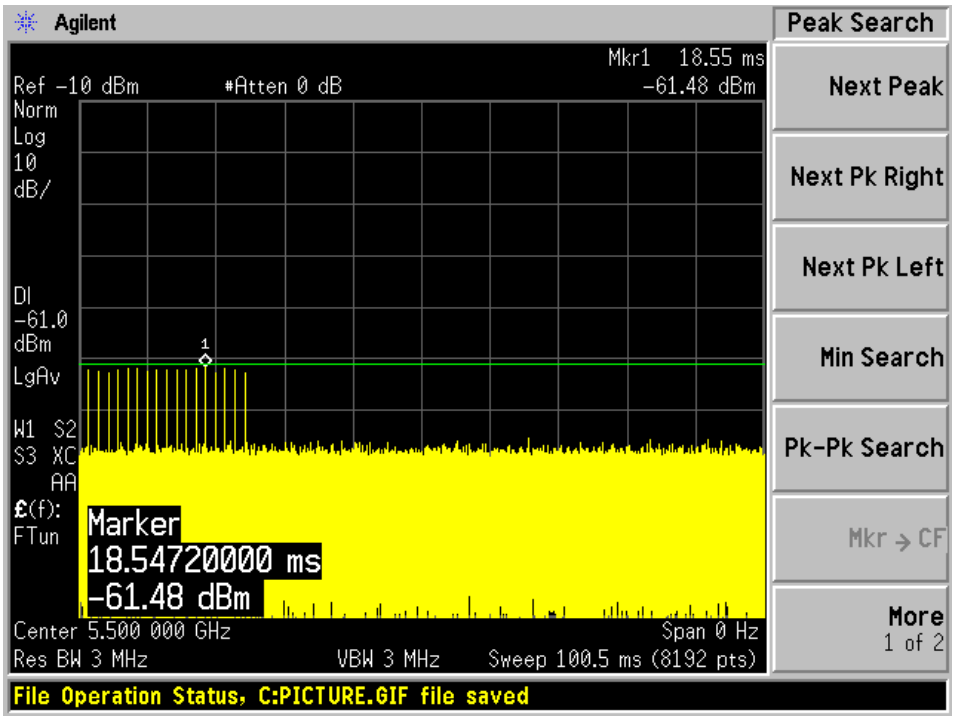
Temperature:	20-22° C
Relative Humidity:	36-43 %
ATM Pressure:	101.0-101.9 kPa

Testing was performed by Tao Jin on 2022-12-14 to 2023-1-16 at the DFS testing site.

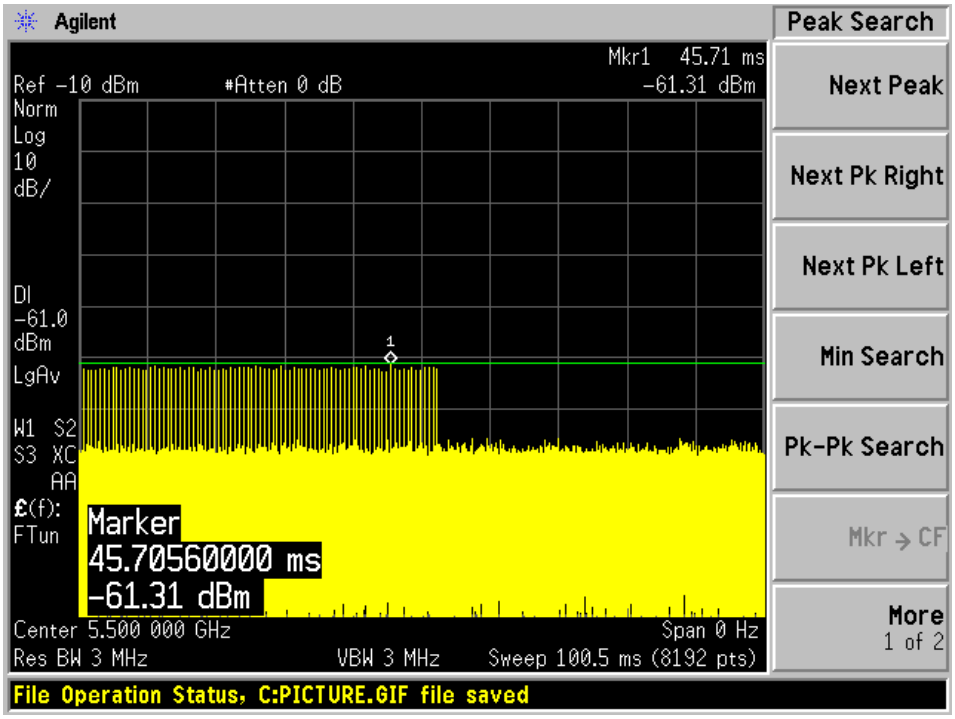
Plots of Radar Waveform

AP and P2MP modes
5500 MHz, 20 MHz Channel Bandwidth

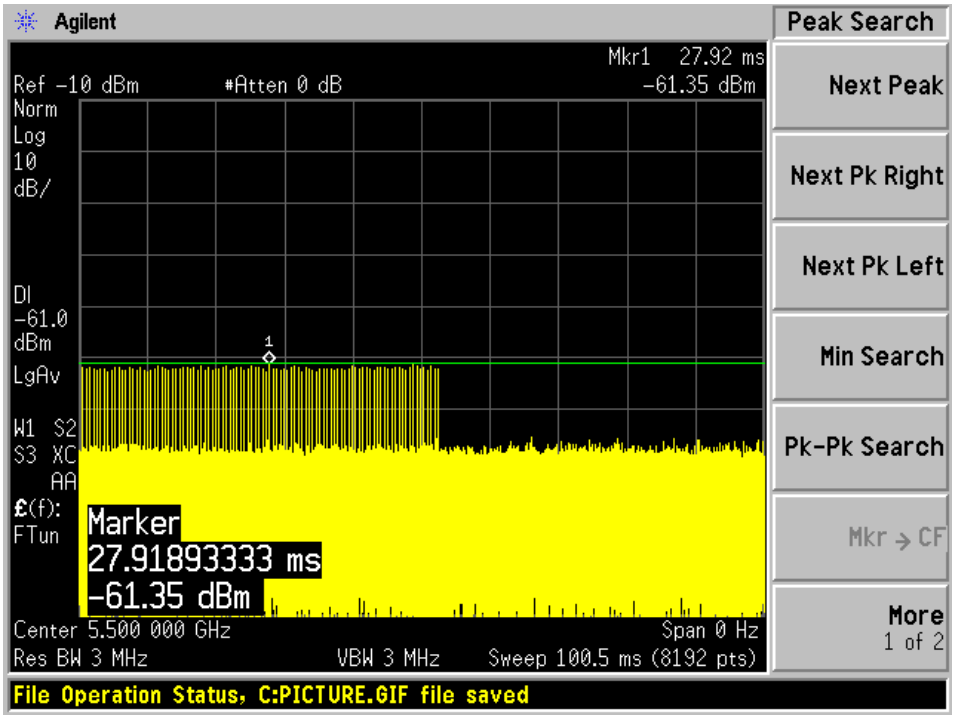
Radar Type 0



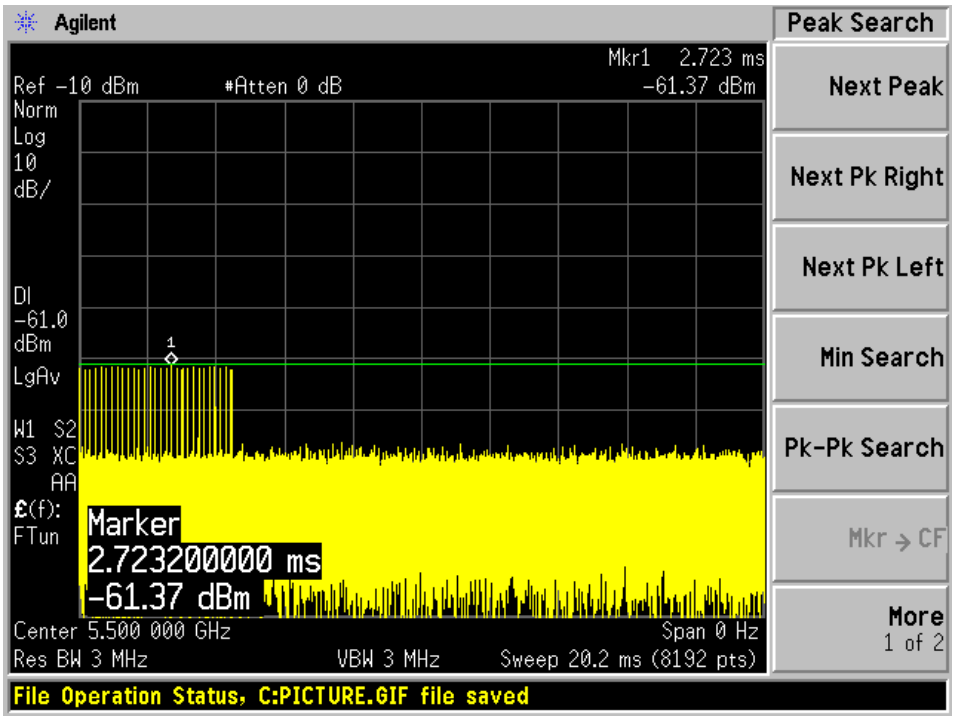
Radar Type 1A



Radar Type 1B



Radar Type 2



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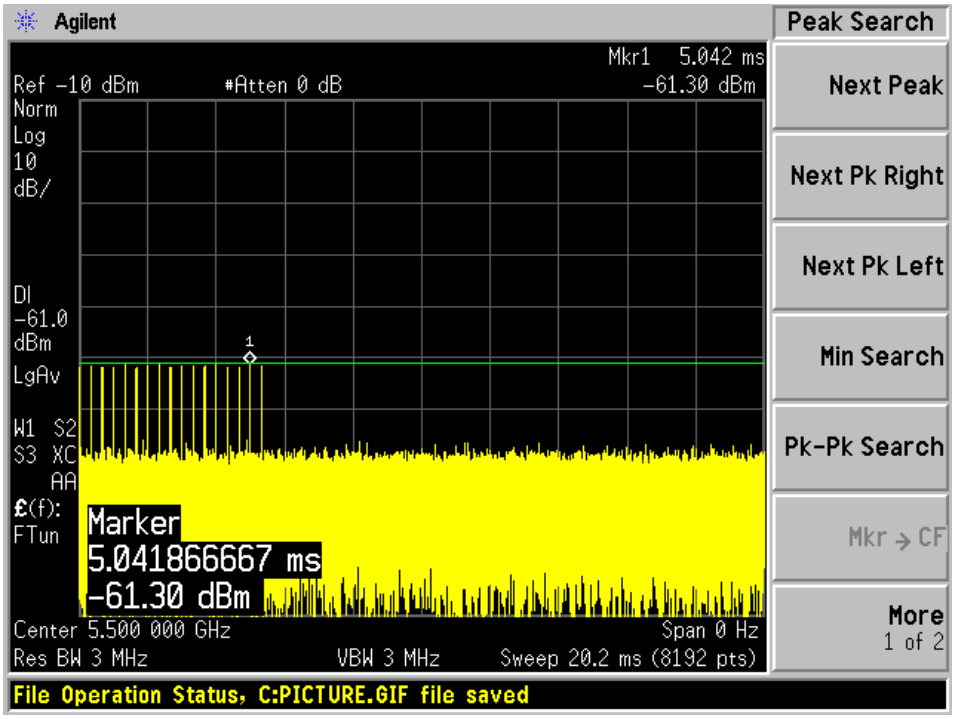
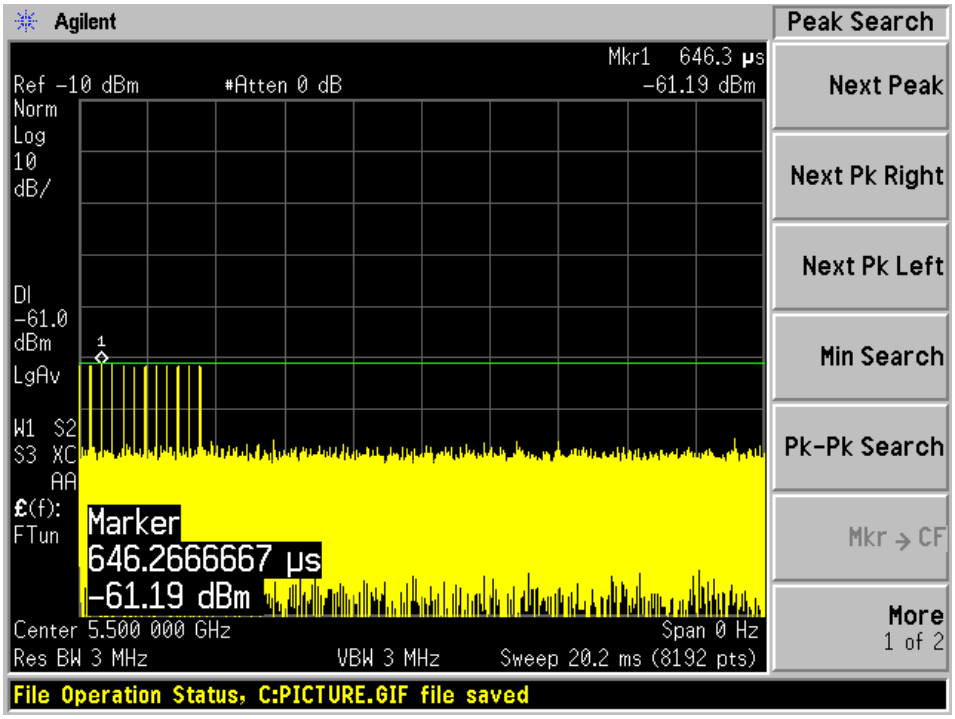
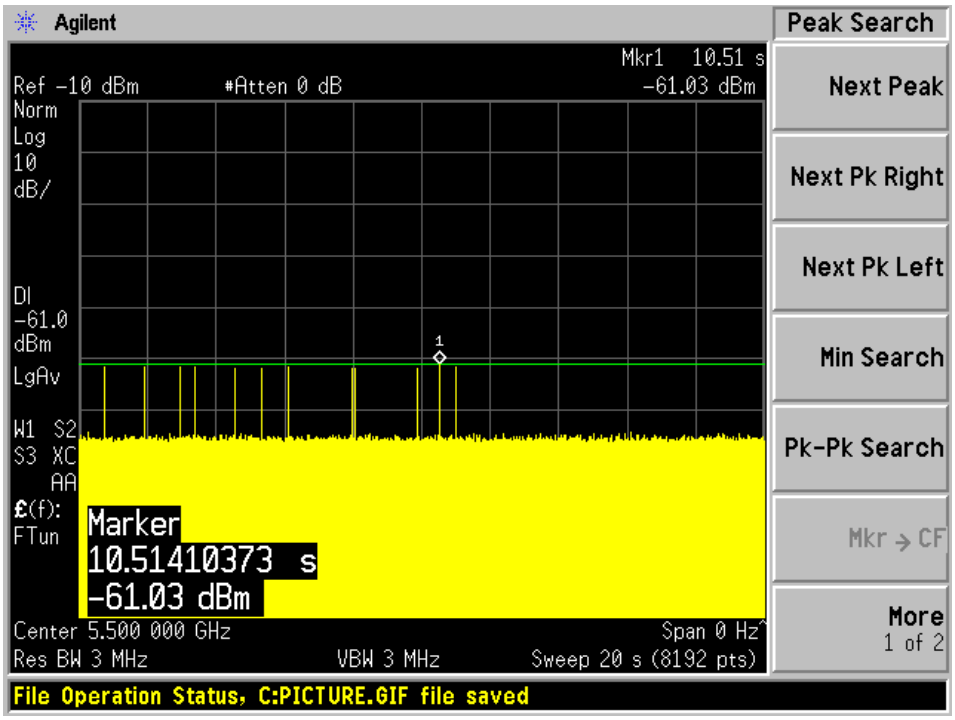


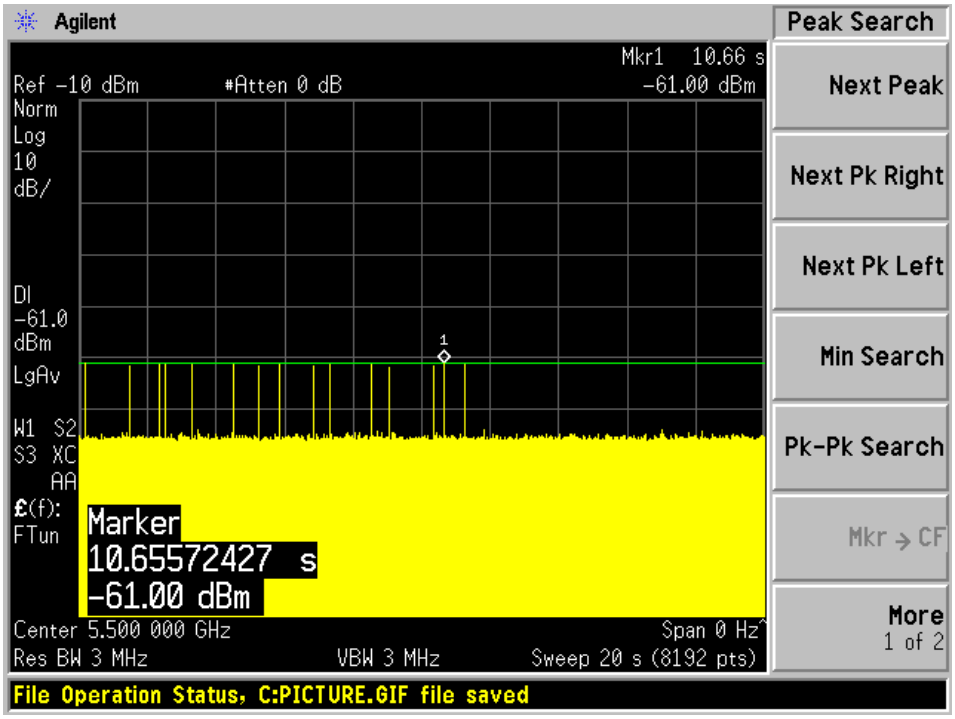
Radar Type 4



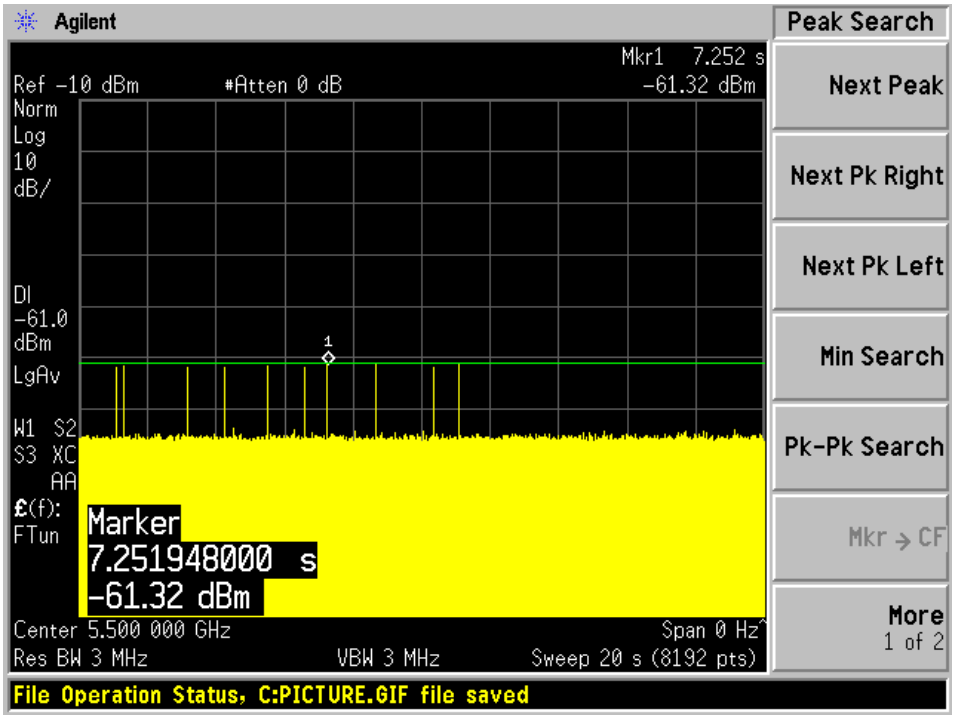
Radar Type 5 Case 1



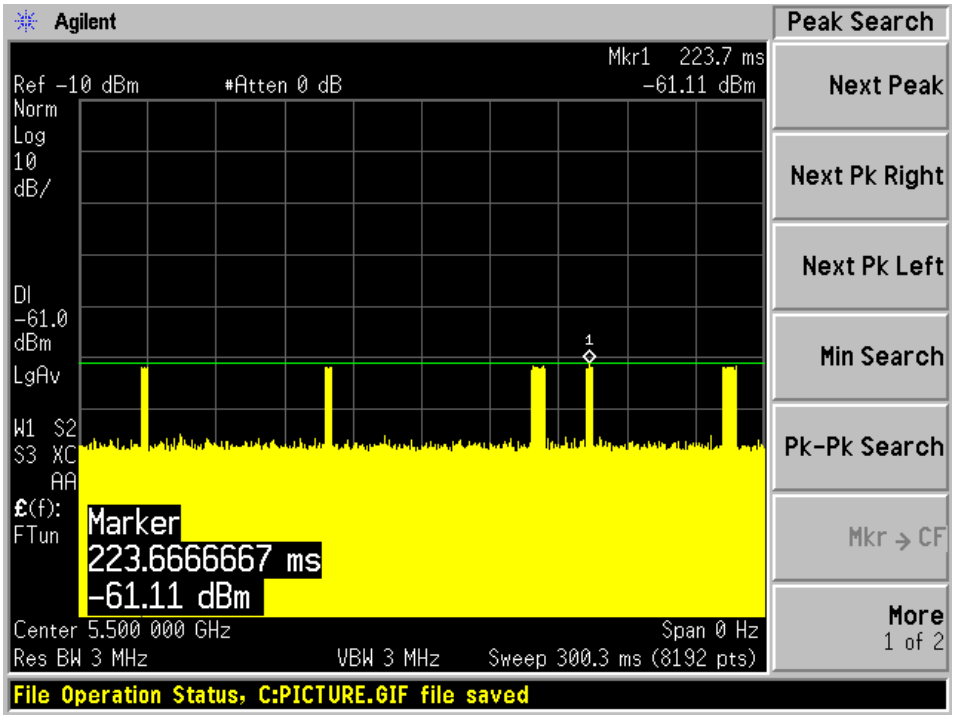
Radar Type 5 Case 2



Radar Type 5 Case 3

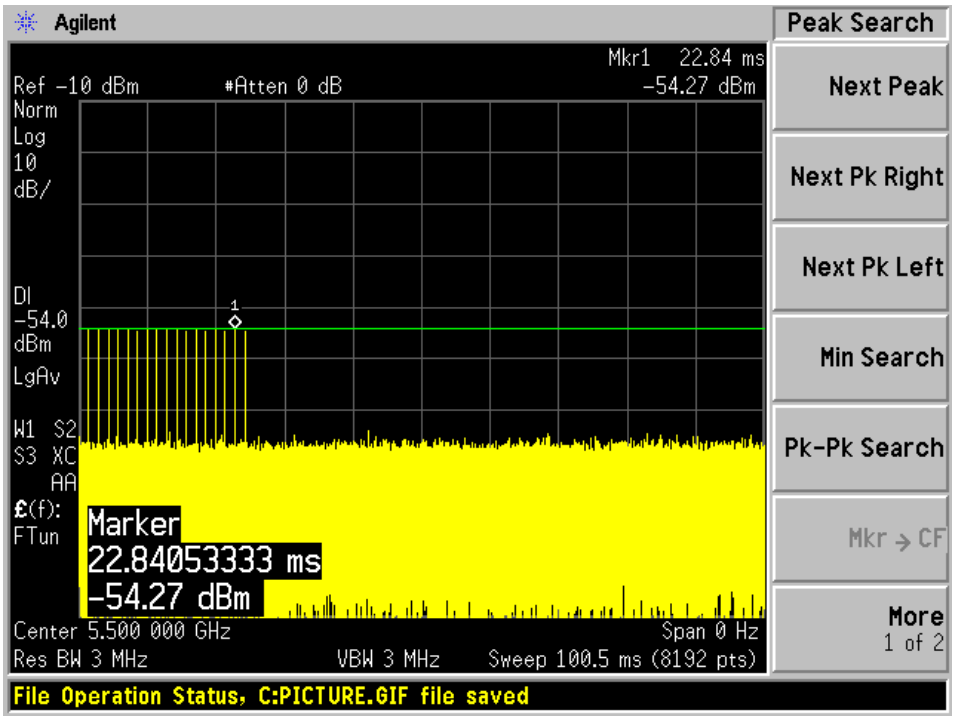


Radar Type 6

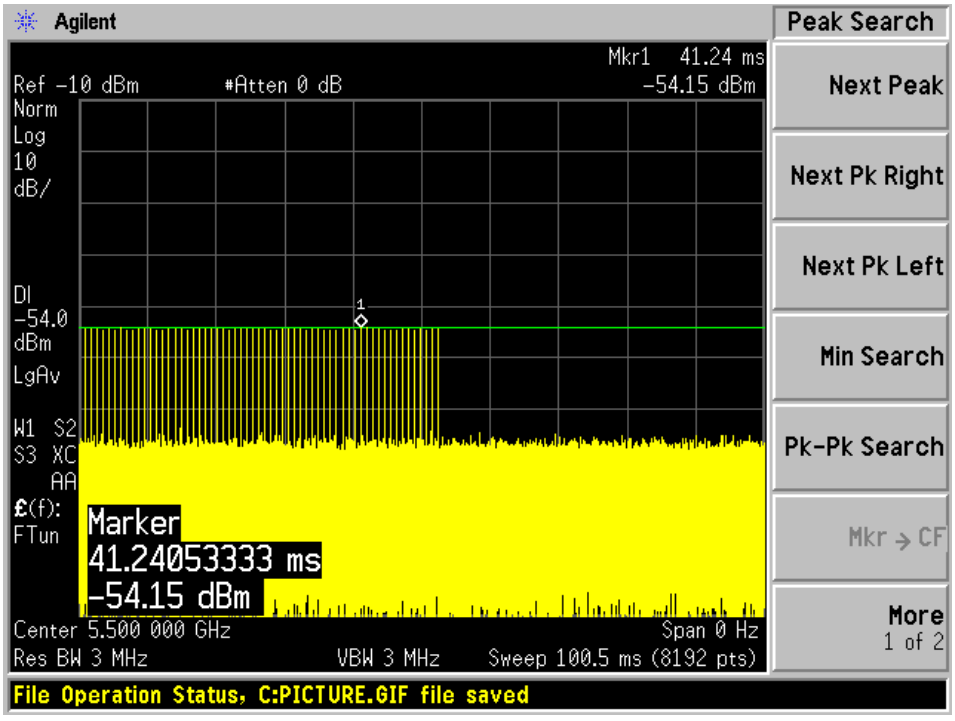


P2P Mode
5500 MHz, 20MHz Channel Bandwidth

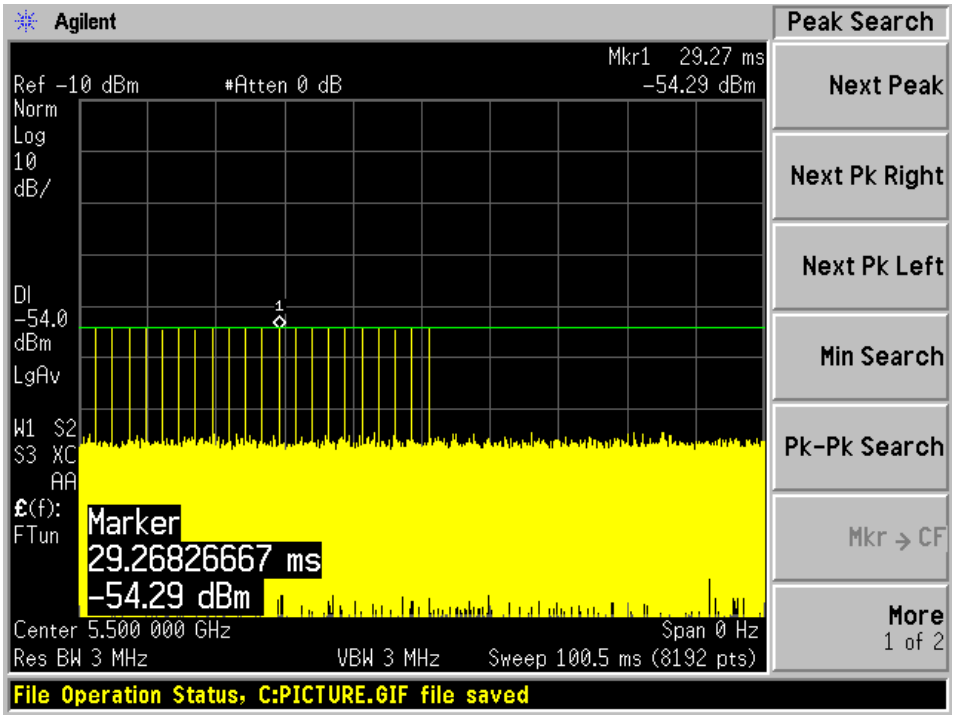
Radar Type 0



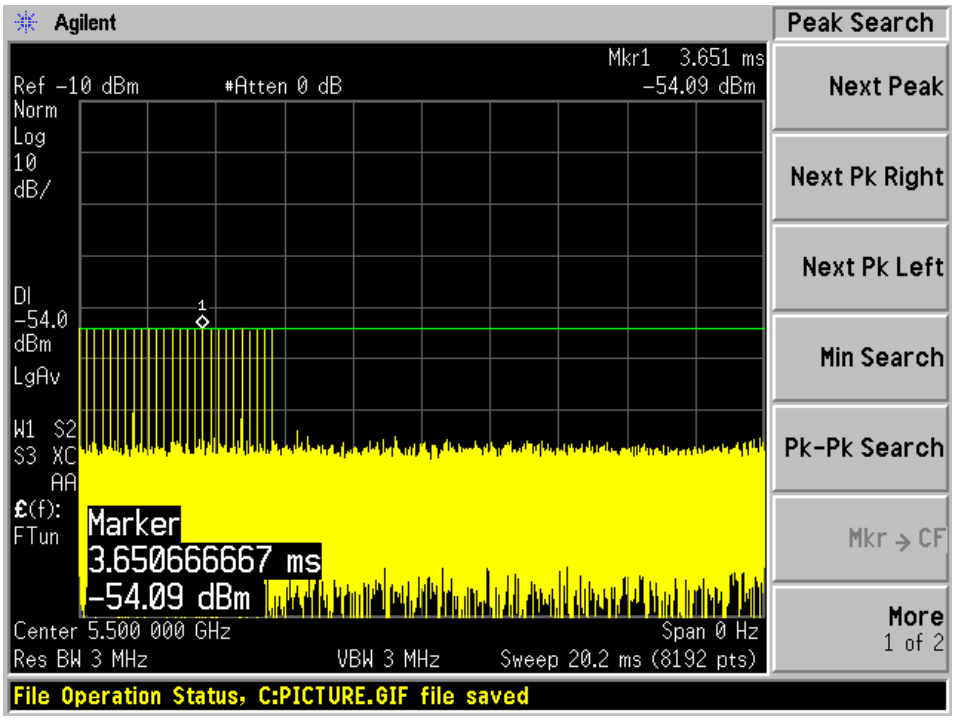
Radar Type 1A



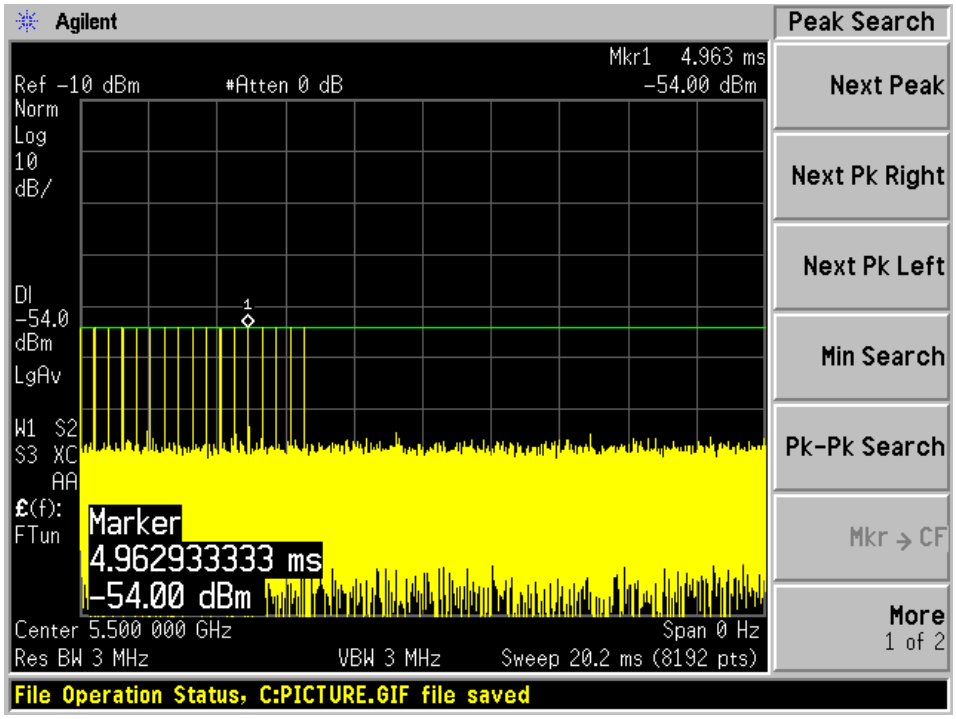
Radar Type 1B



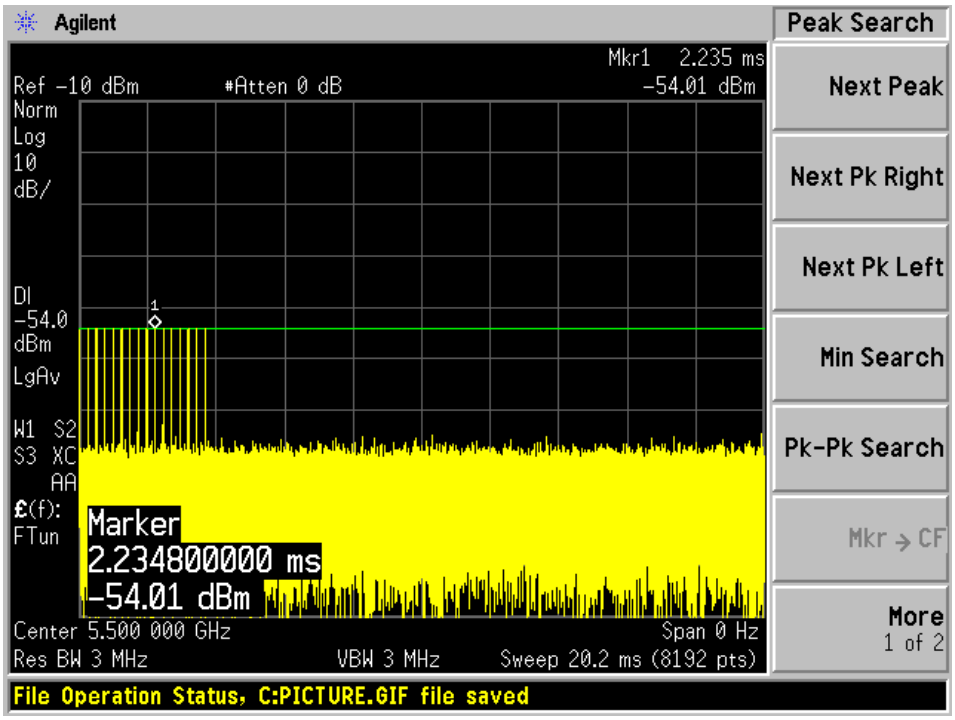
Radar Type 2



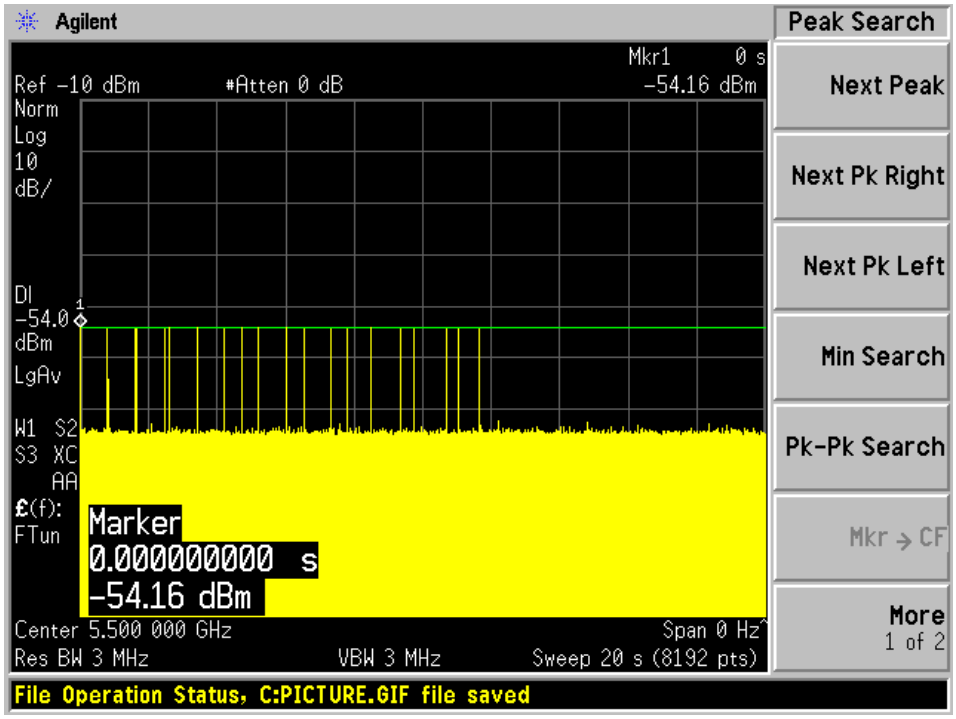
Radar Type 3



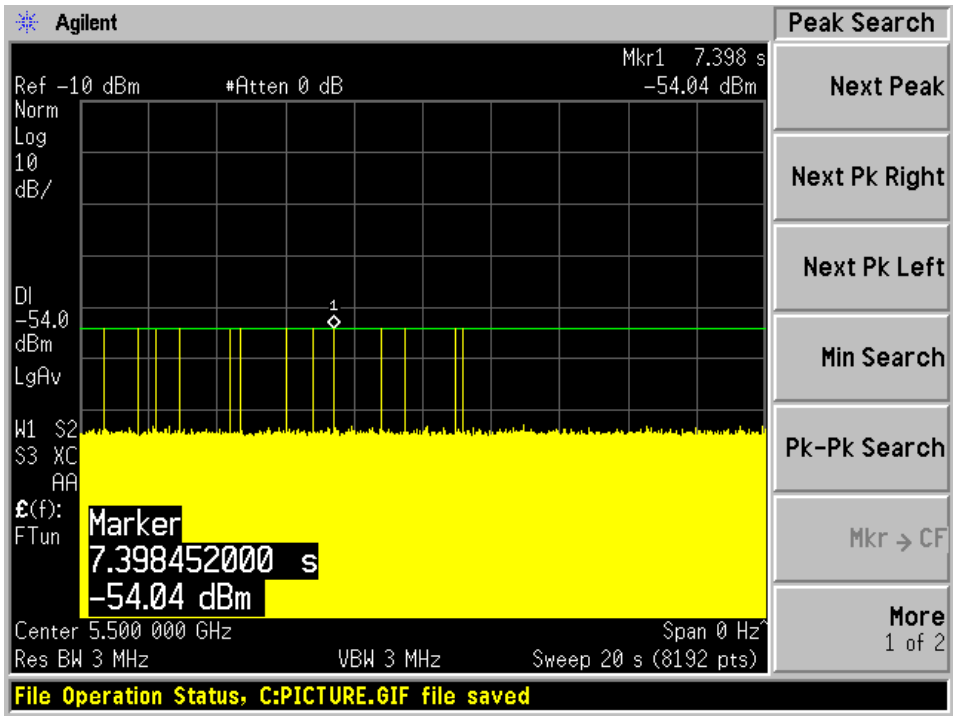
Radar Type 4



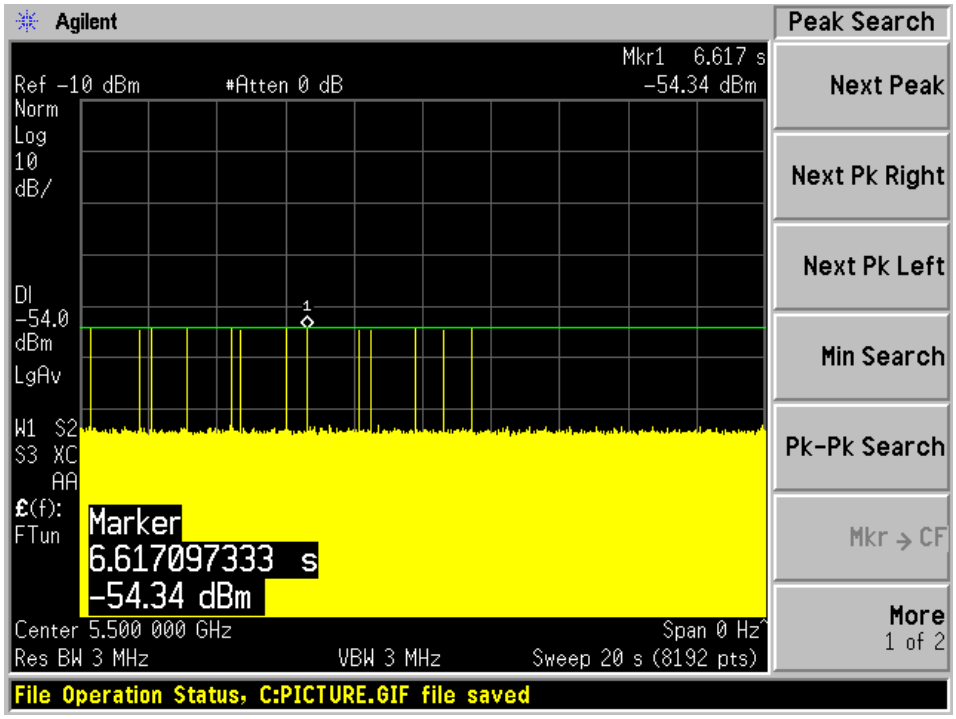
Radar Type 5 Case 1



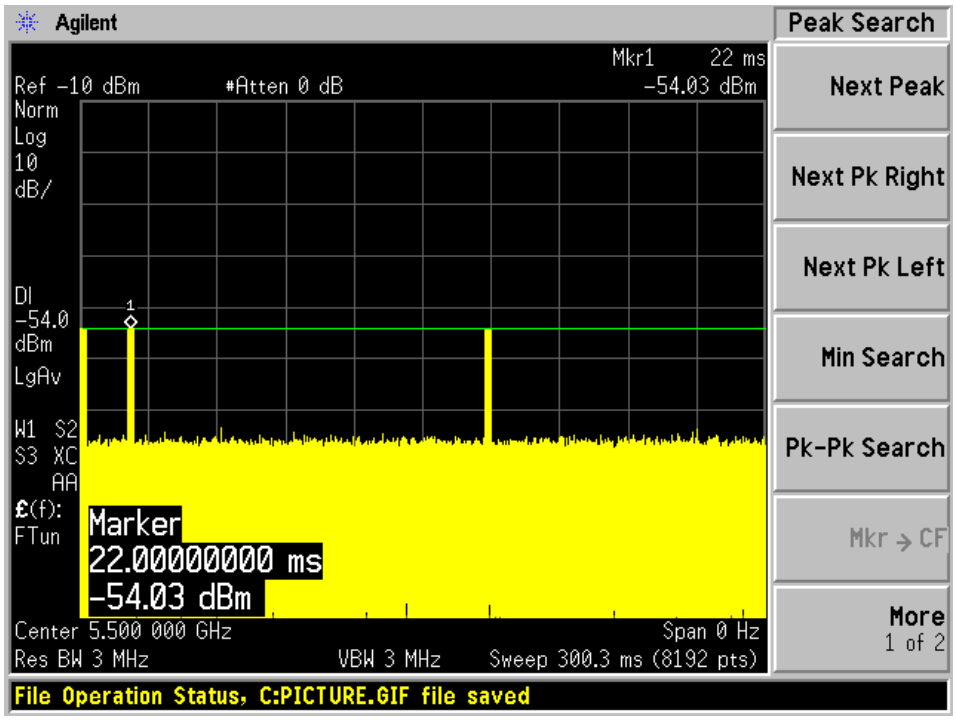
Radar Type 5 Case 2



Radar Type 5 Case 3



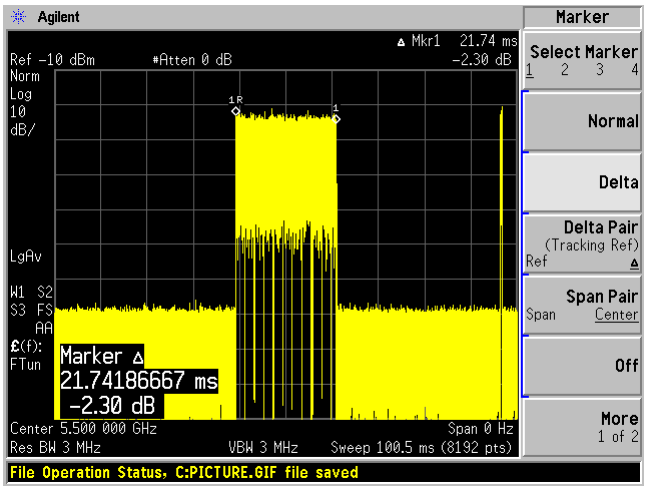
Radar Type 6

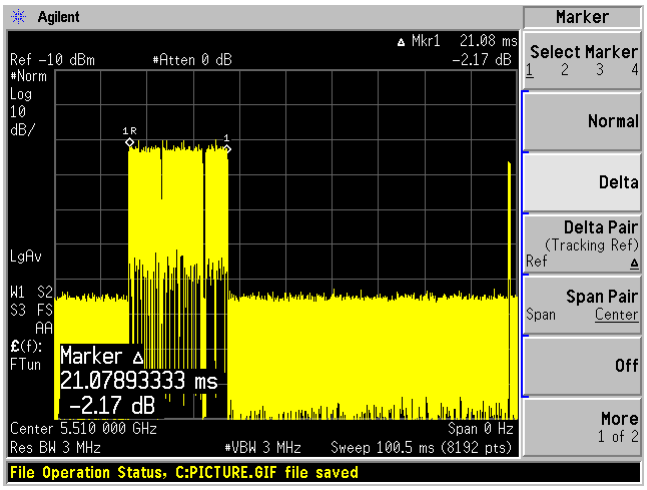


5.6 Radar Traffic Duty Cycle Example

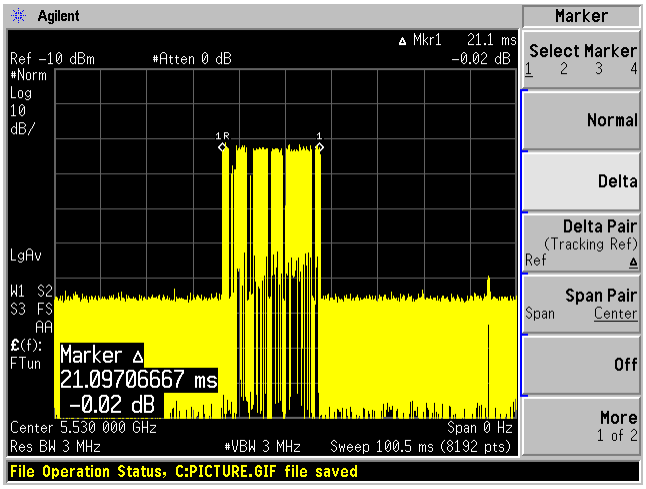
AP Mode
Iron Radio

5500 MHz, 20MHz Bandwidth ---------- 5510 MHz, 40MHz Bandwidth





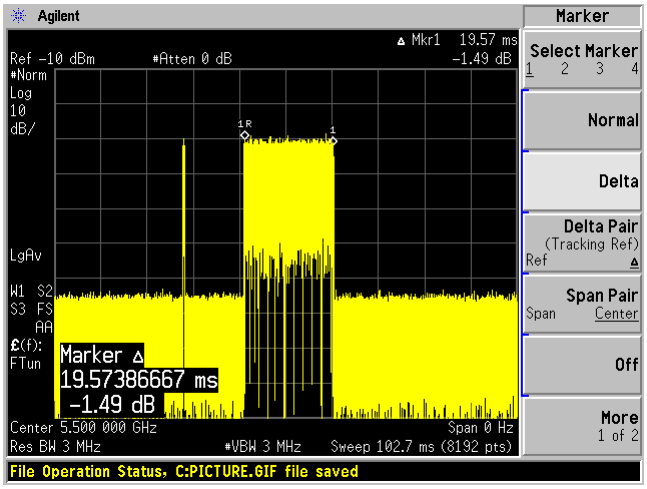
5530 MHz, 80MHz Bandwidth

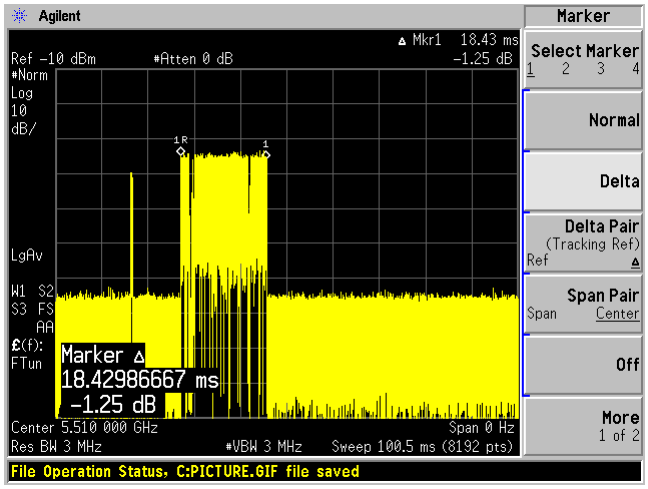


The Duty Cycle of the traffic was greater than 17%

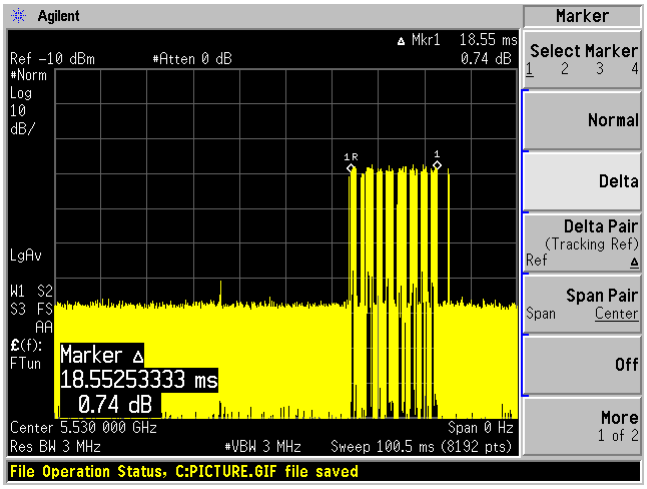
Pine Radio

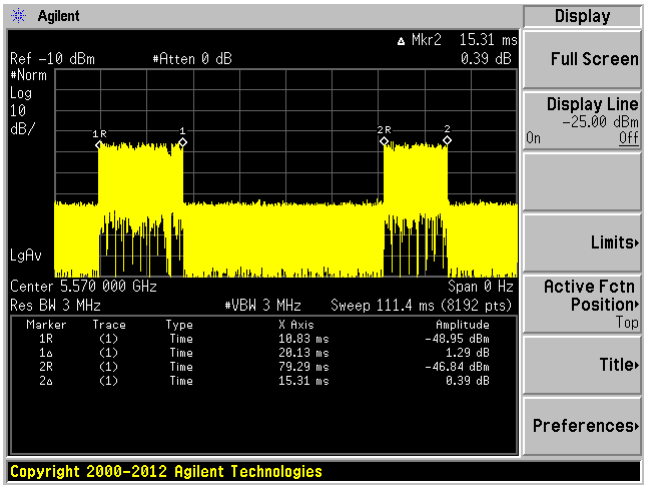
5500 MHz, 20MHz Bandwidth ---------- 5510 MHz, 40MHz Bandwidth





5530 MHz, 80MHz Bandwidth ---------- 5570 MHz, 160MHz Bandwidth

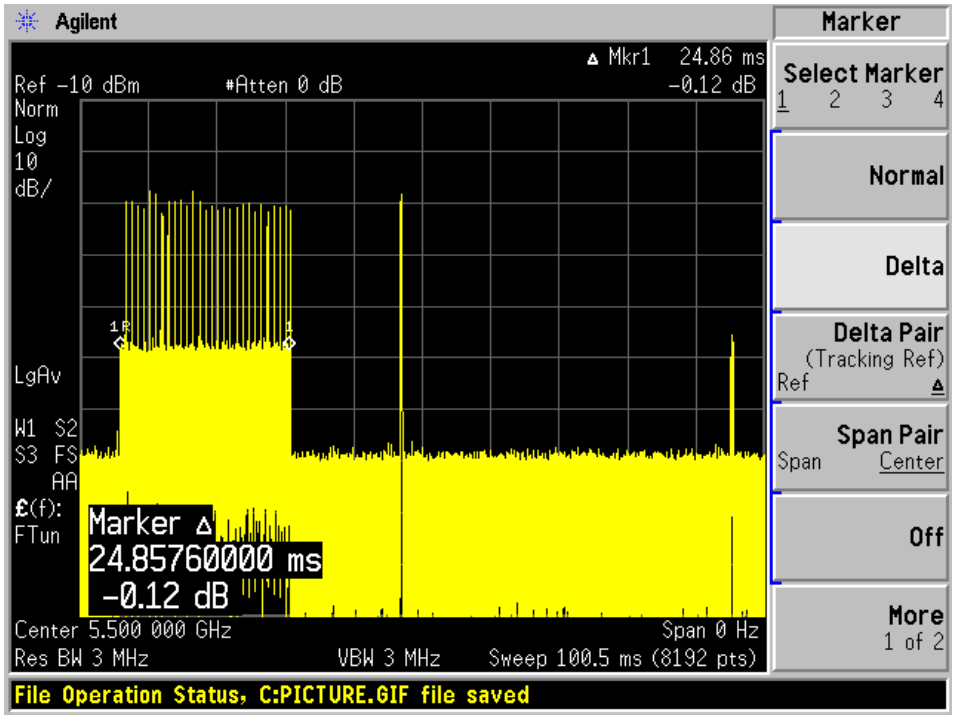




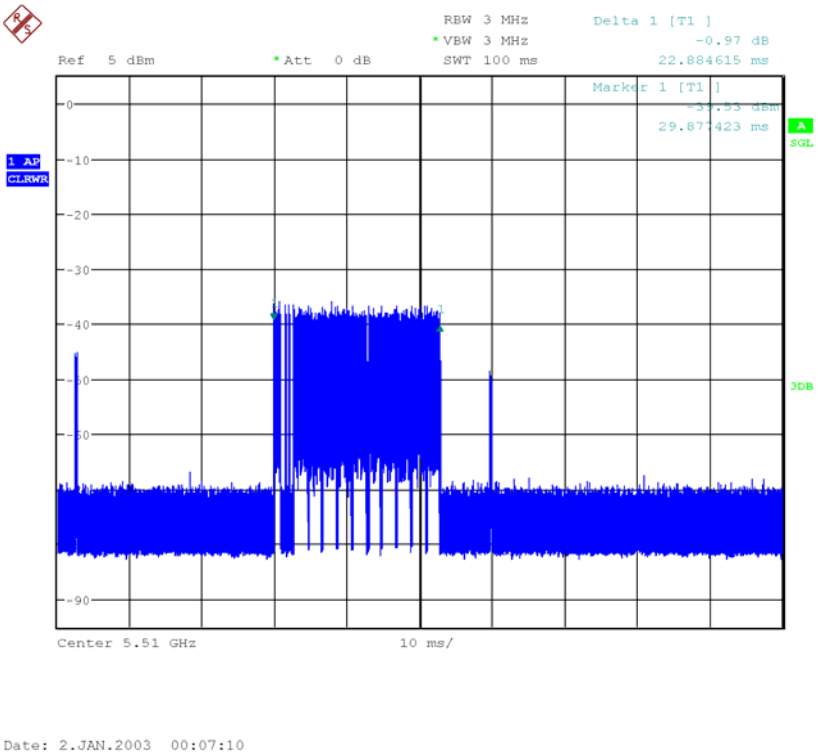
The Duty Cycle of the traffic is greater than 17%

P2P Master Mode
Iron Radio

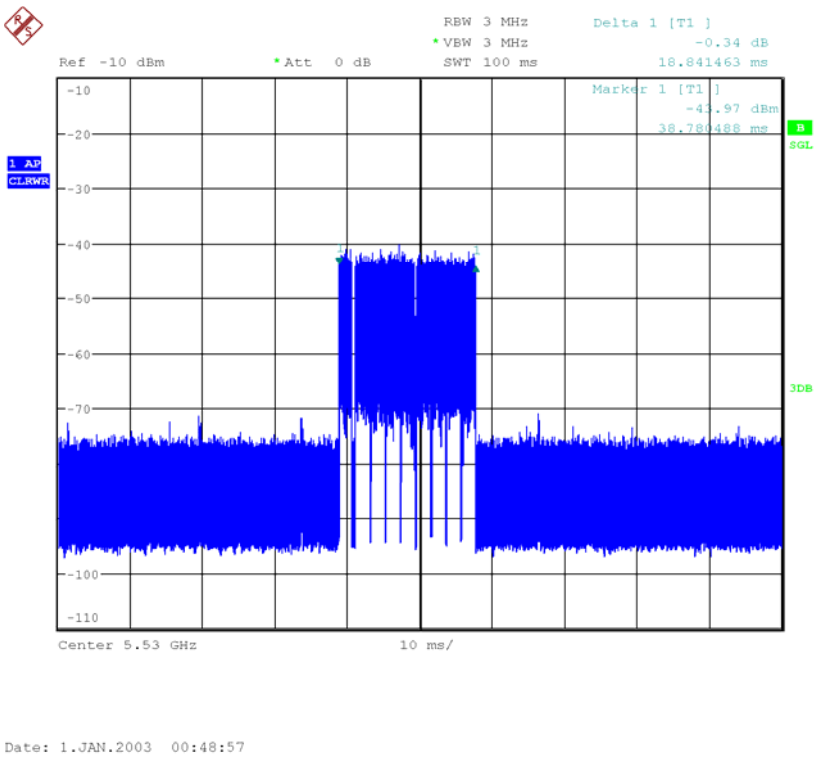
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



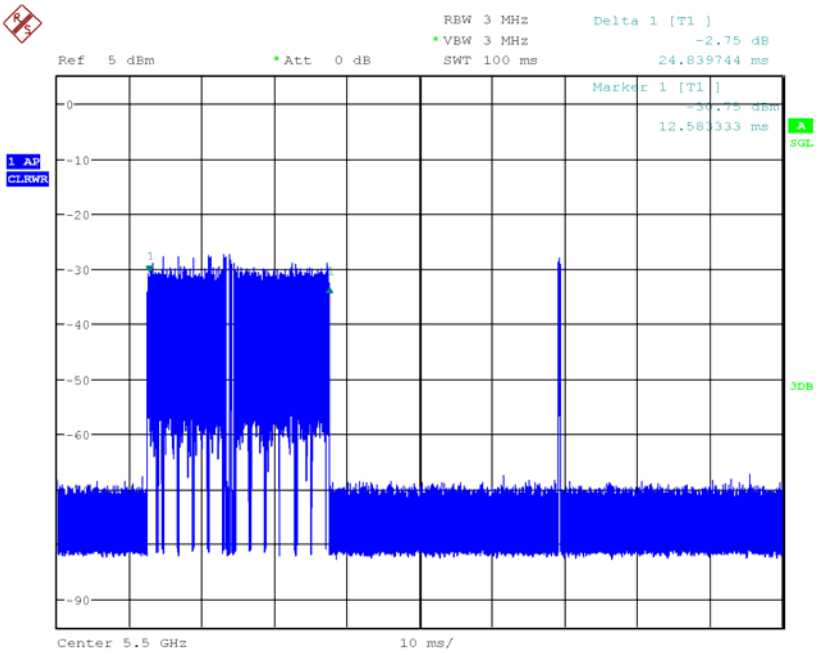
5530 MHz, 80MHz Bandwidth



The Duty Cycle of the traffic is greater than 17%

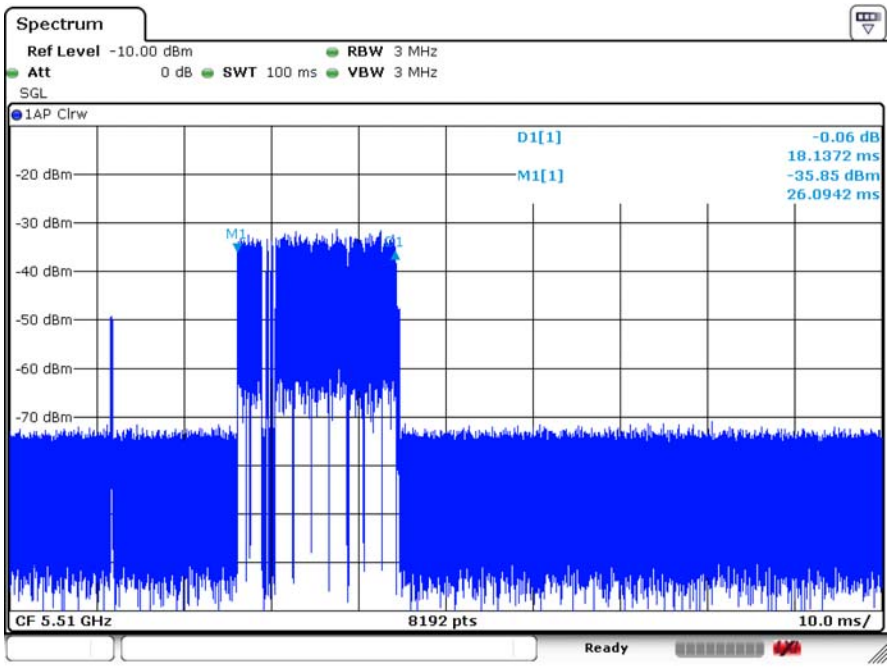
Pine Radio

5500 MHz, 20MHz Bandwidth



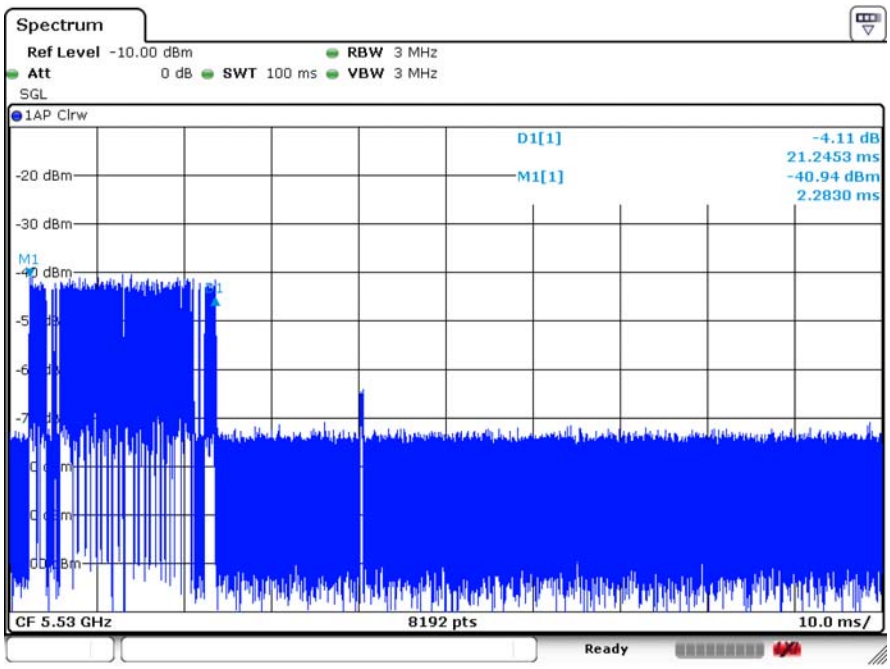
Date: 2.JAN.2003 01:43:54

5510MHz, 40MHz Bandwidth



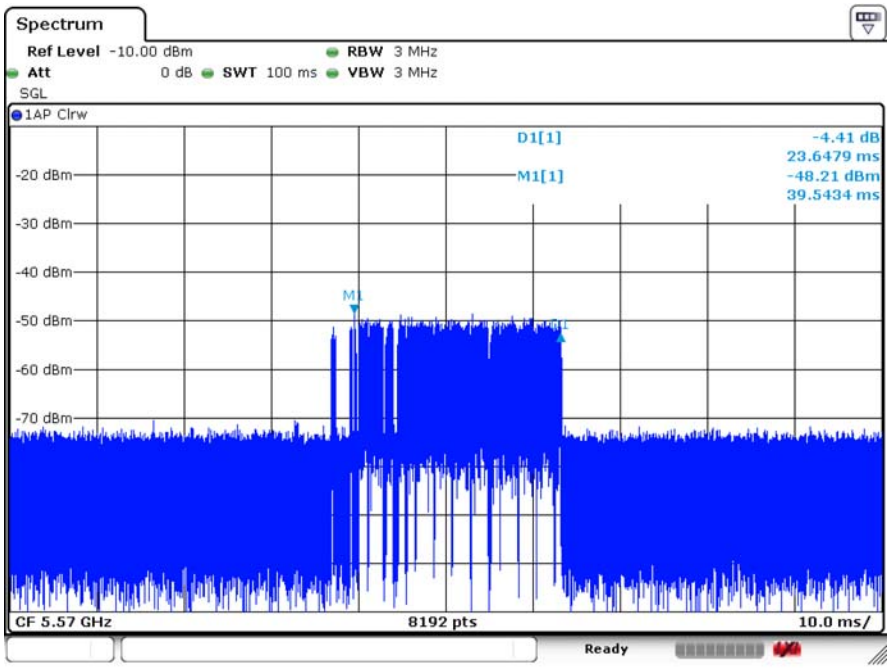
Date: 21.DEC.2022 08:18:47

5530 MHz, 80MHz Bandwidth



Date: 21.DEC.2022 09:22:01

5570MHz, 160MHz Bandwidth

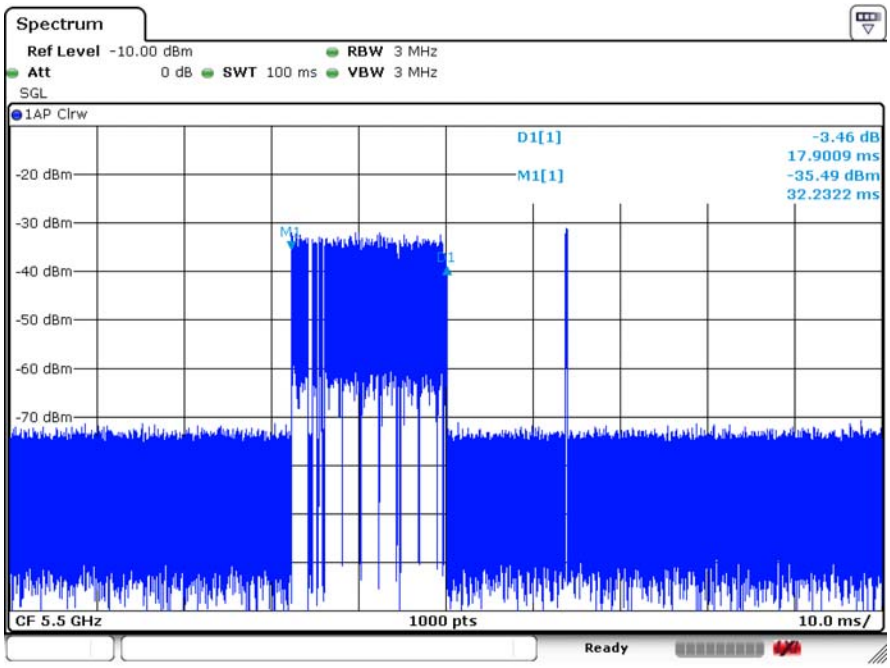


Date: 21.DEC.2022 10:41:24

The Duty Cycle of the traffic is greater than 17%

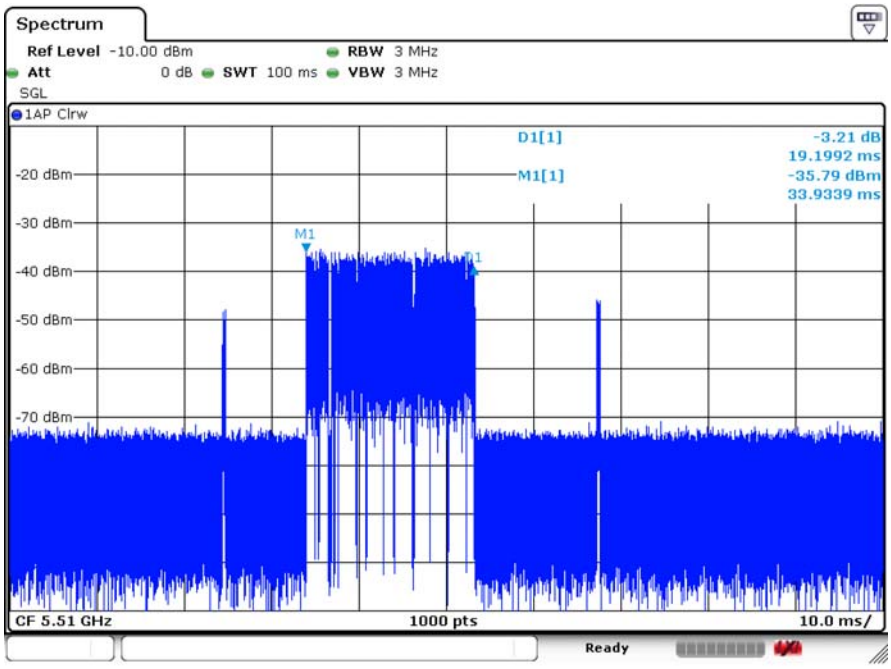
P2MP Mode
Iron Radio

5500 MHz, 20MHz Bandwidth



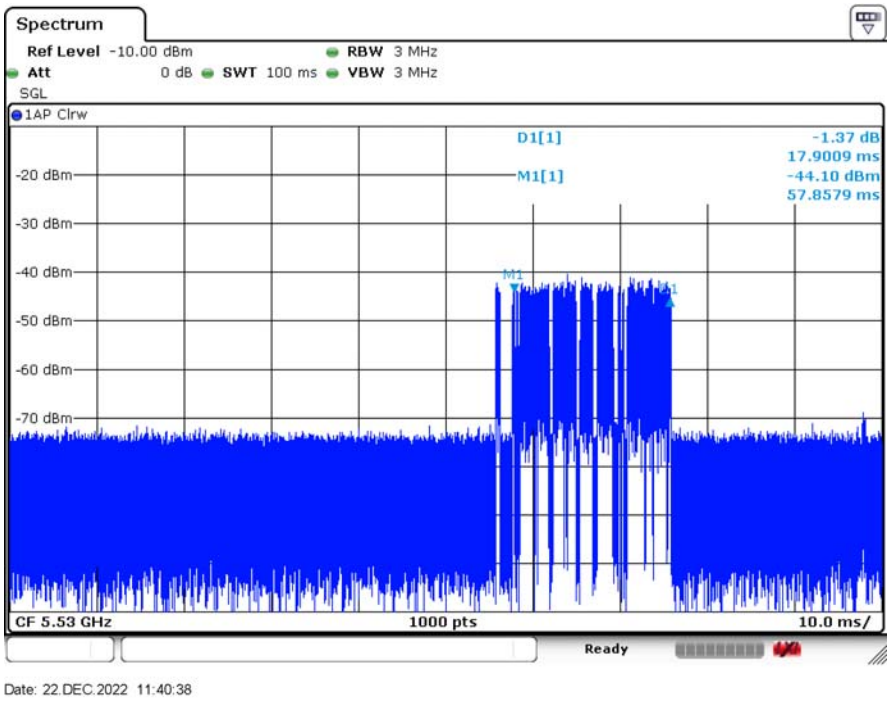
Date: 22.DEC.2022 09:27:21

5510MHz, 40MHz Bandwidth



Date: 22.DEC.2022 09:55:50

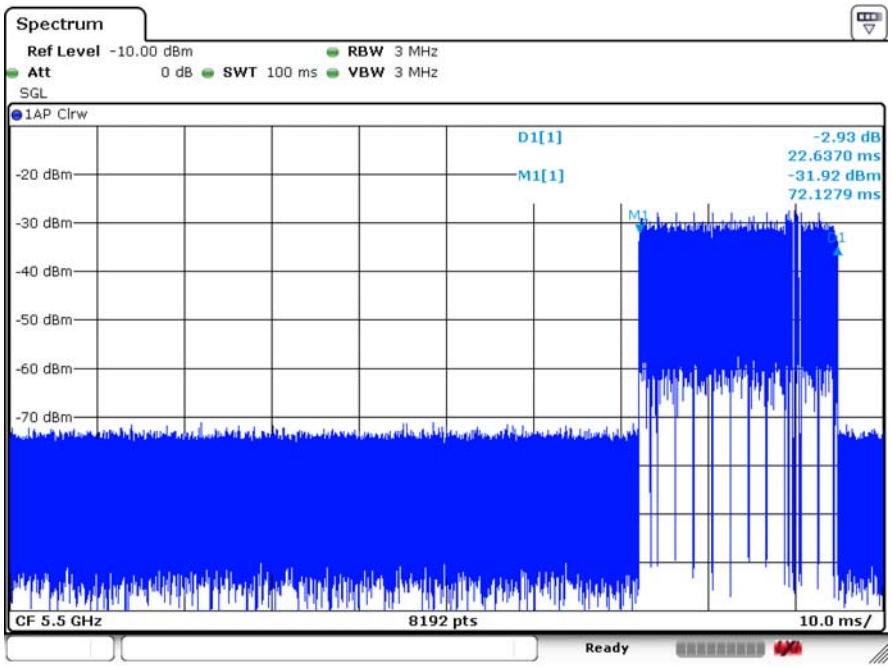
5530 MHz, 80MHz Bandwidth



The Duty Cycle of the traffic is greater than 17%

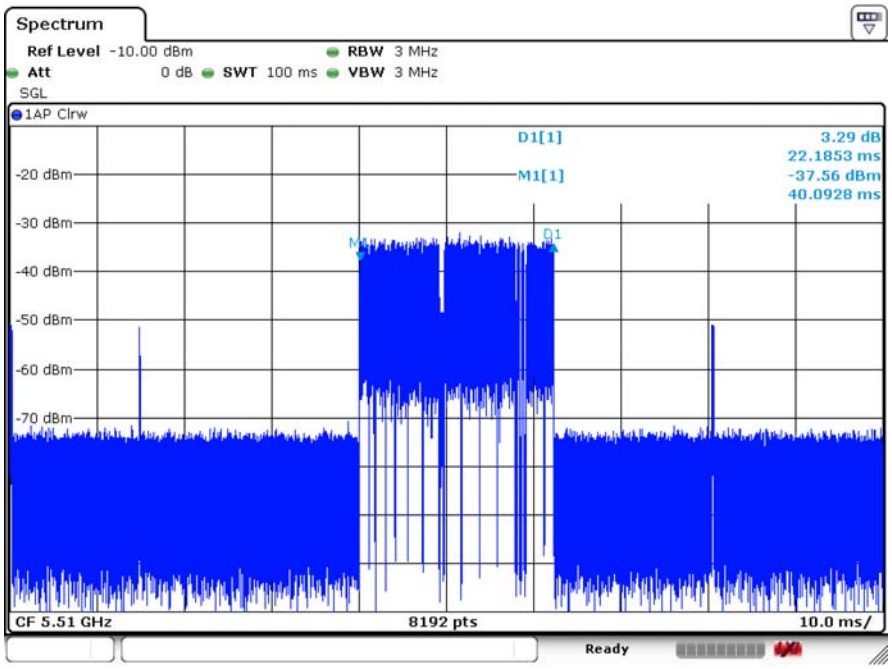
Pine Radio

5500 MHz, 20MHz Bandwidth



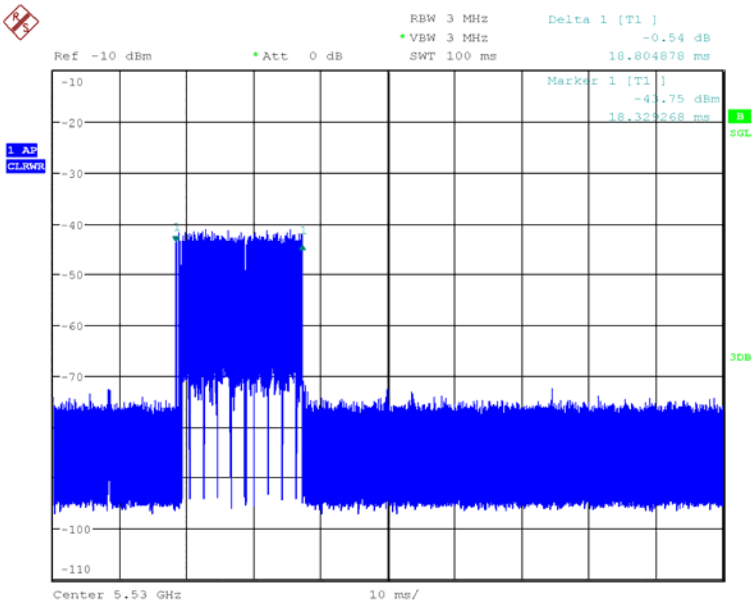
Date: 21.DEC.2022 11:33:12

5510MHz, 40MHz Bandwidth

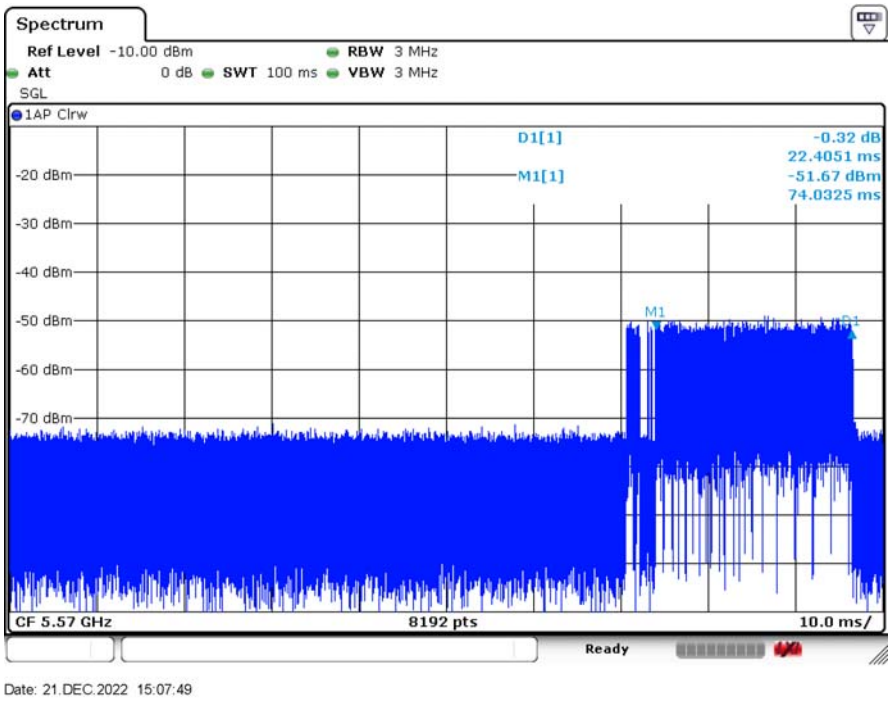


Date: 21.DEC.2022 13:21:45

5500 MHz, 80MHz Bandwidth



5570MHz, 160MHz Bandwidth



The Duty Cycle of the traffic is greater than 17%

6 Channel Availability Check Time (CAC)

6.1 Test Procedure

Master Mode procedure

1) Using TeraTerm to send commands to the EUT and using commands provided by the manufacturer, set mode to *AP/P2P/P2MP mode*, channel to *channel 100* with center frequency at *5500 MHz*, and channel bandwidth to *20MHz*. After transmission begin, send the reboot command to power cycle the device. Measure and record the total time for the power cycle time and CAC time. Use the total time minus 60 seconds to determine the power cycle time.

2) Reboot the EUT again, apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer. Check no transmission for 2.5 minutes after radar detection.

3) Reboot EUT, apply a radar signal within 54~60 seconds after the power cycle time ended, and monitor the transmission on channel from the spectrum analyzer. Check no transmission for 2.5 minutes after radar detection.

6.2 Results:

AP Mode

Iron Radio

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

Pine Radio

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

P2P Mode

Iron Radio

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

Pine Radio

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

P2MP Mode

Iron Radio

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

Pine Radio

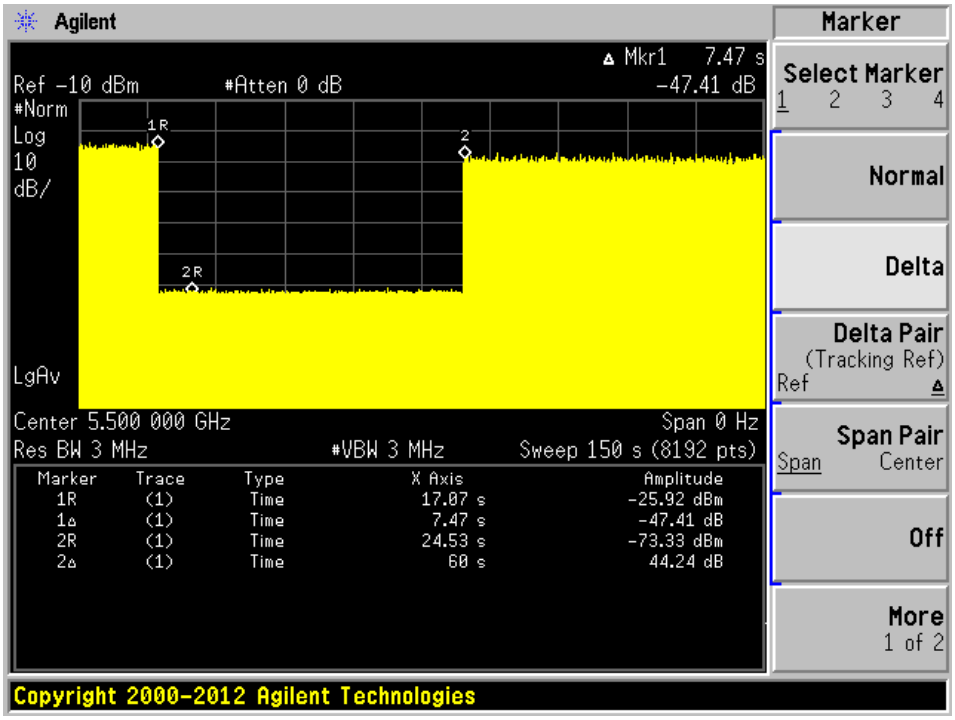
Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

Please refer to the following plots.

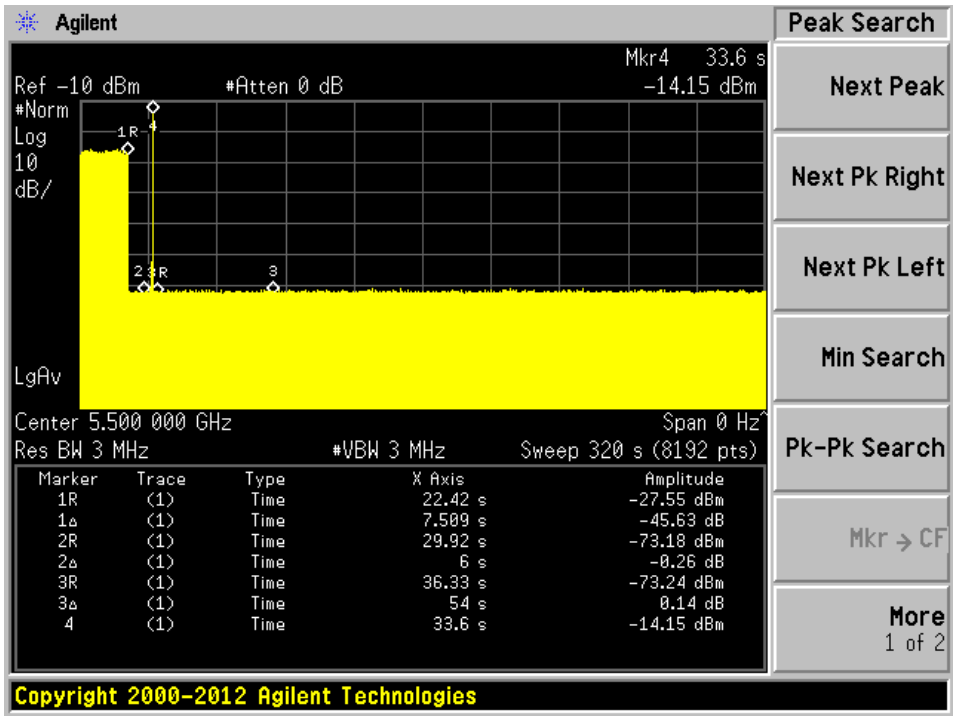
AP Mode
Iron Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

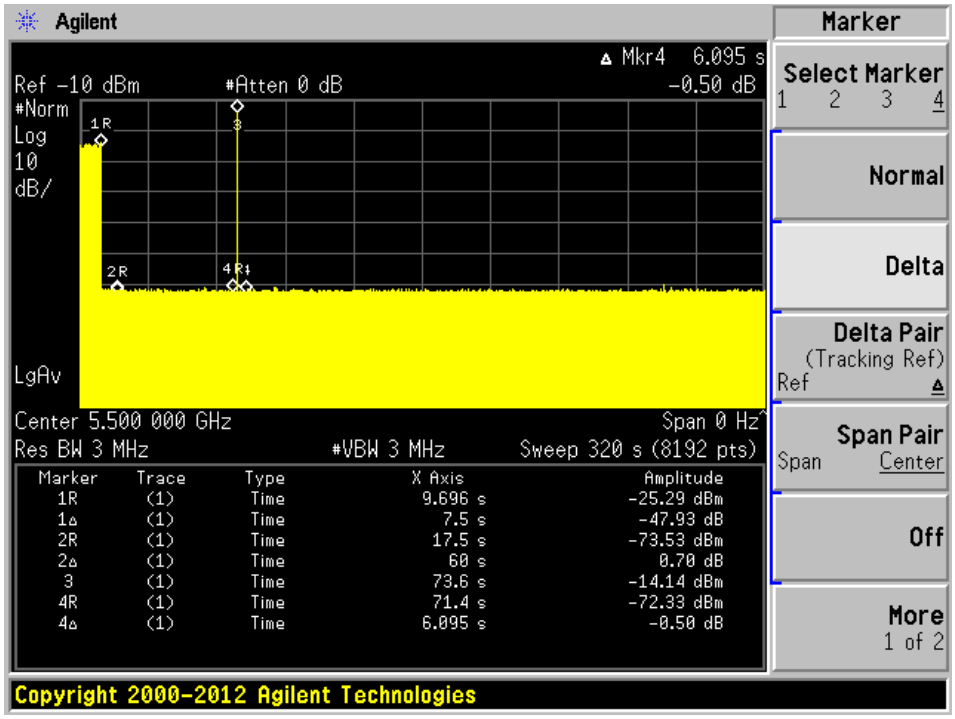


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

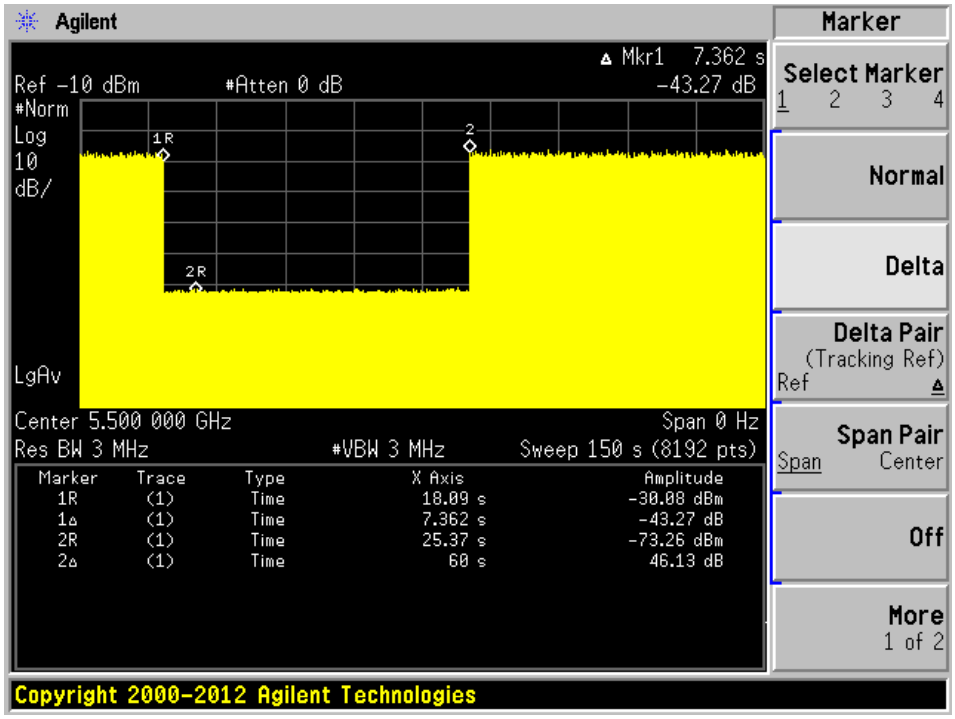


No transmissions found after radar signal applied.

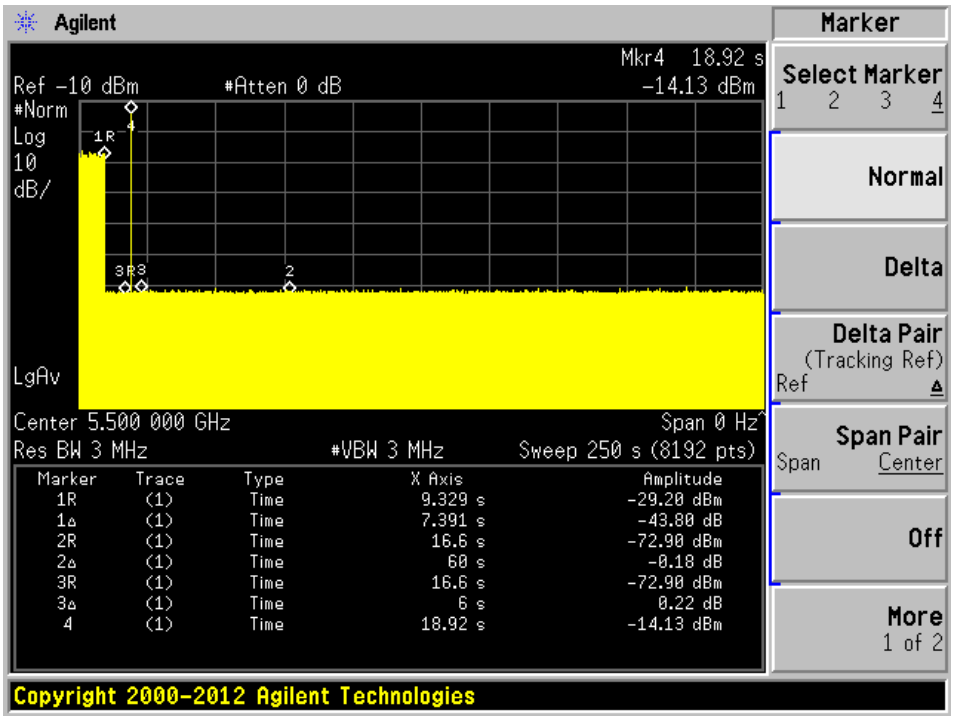
Pine Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

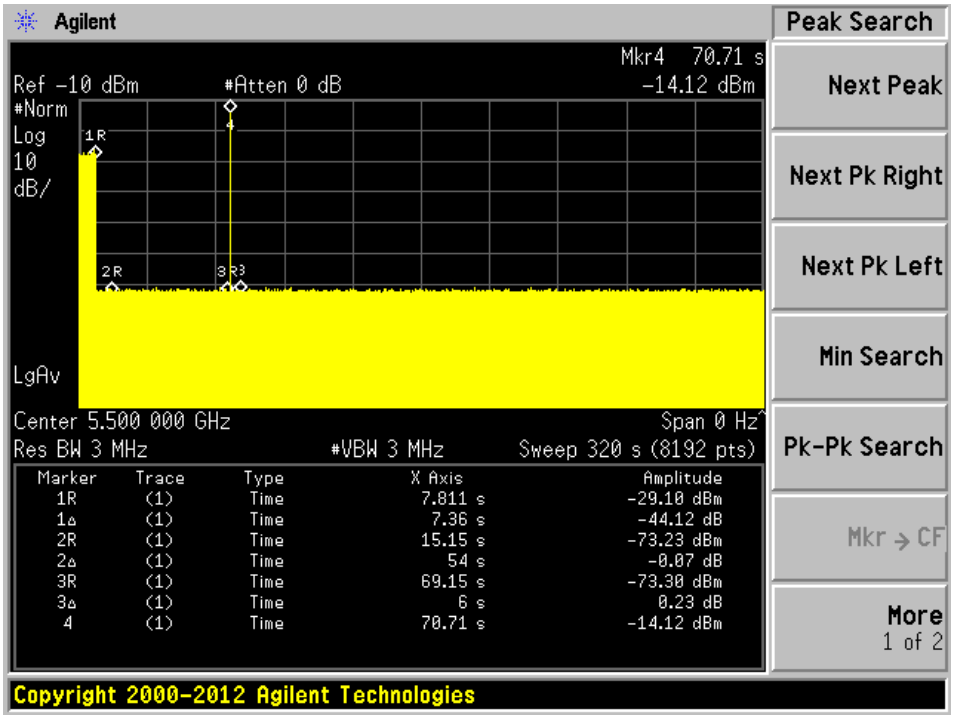


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

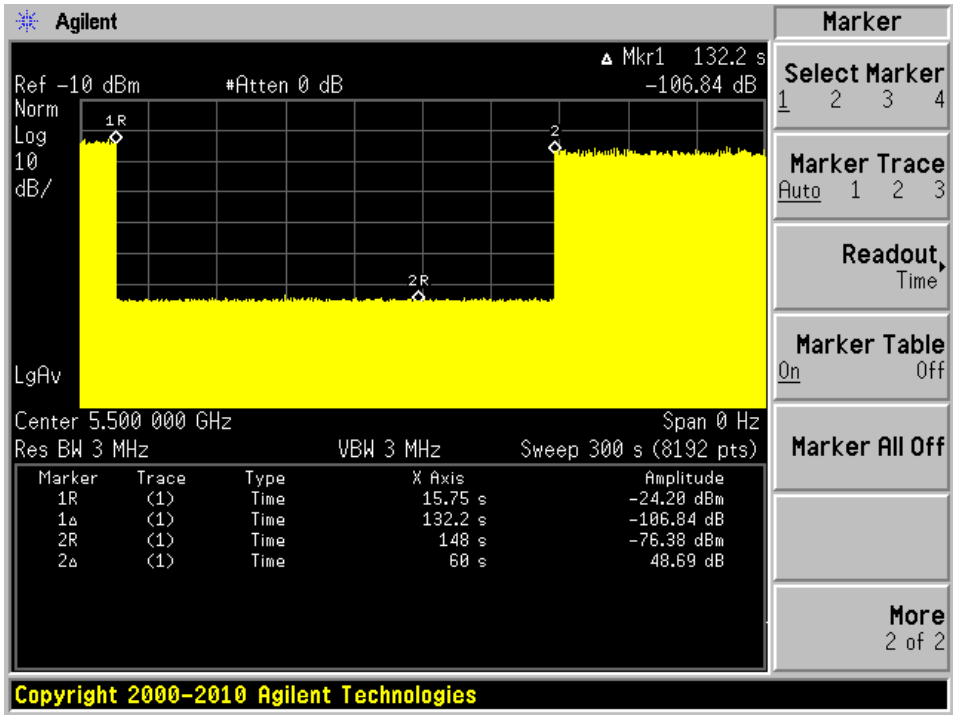


No transmissions found after radar signal applied.

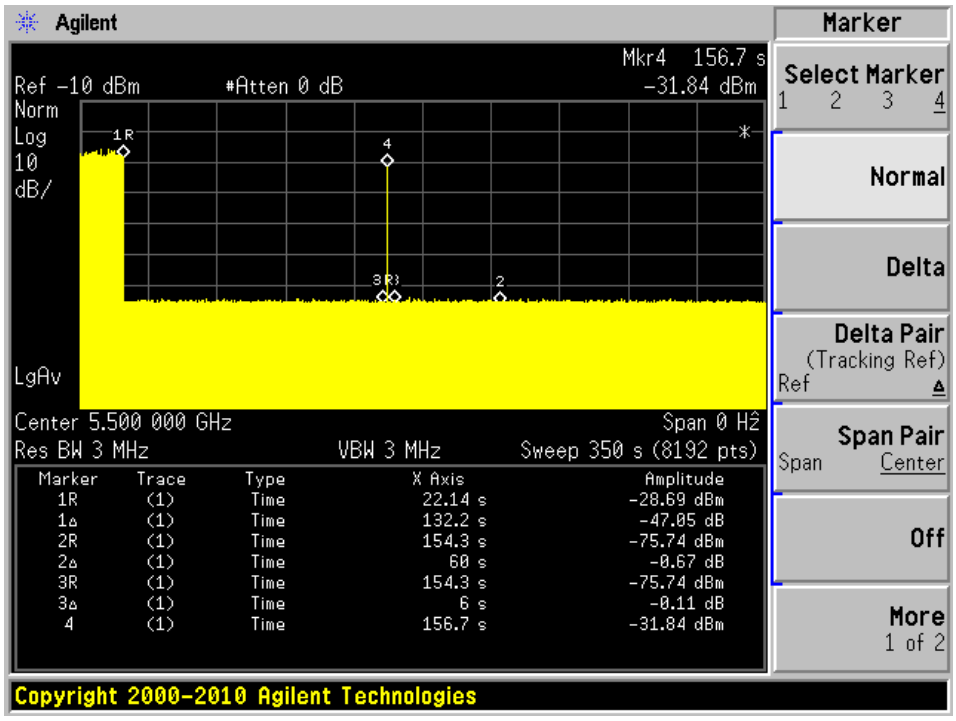
P2P Mode
Iron Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

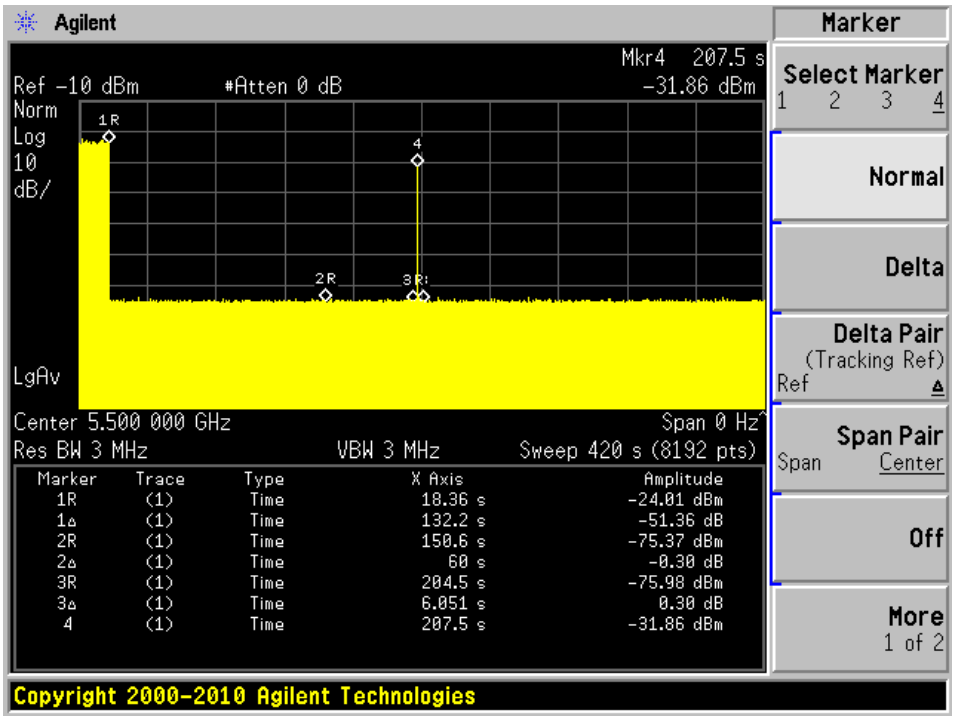


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

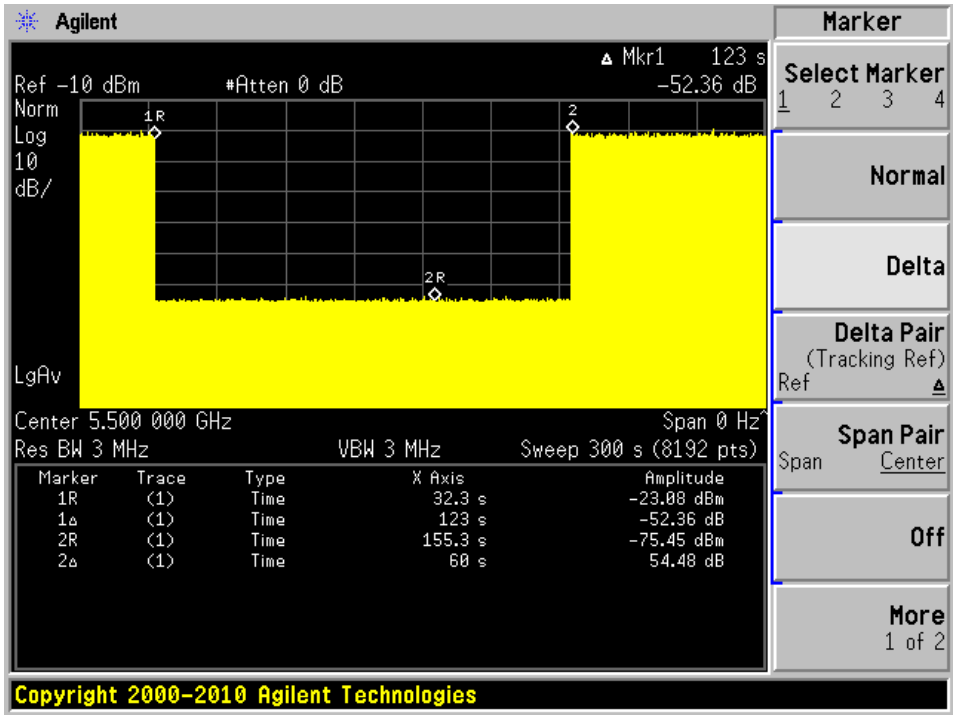


No transmissions found after radar signal applied.

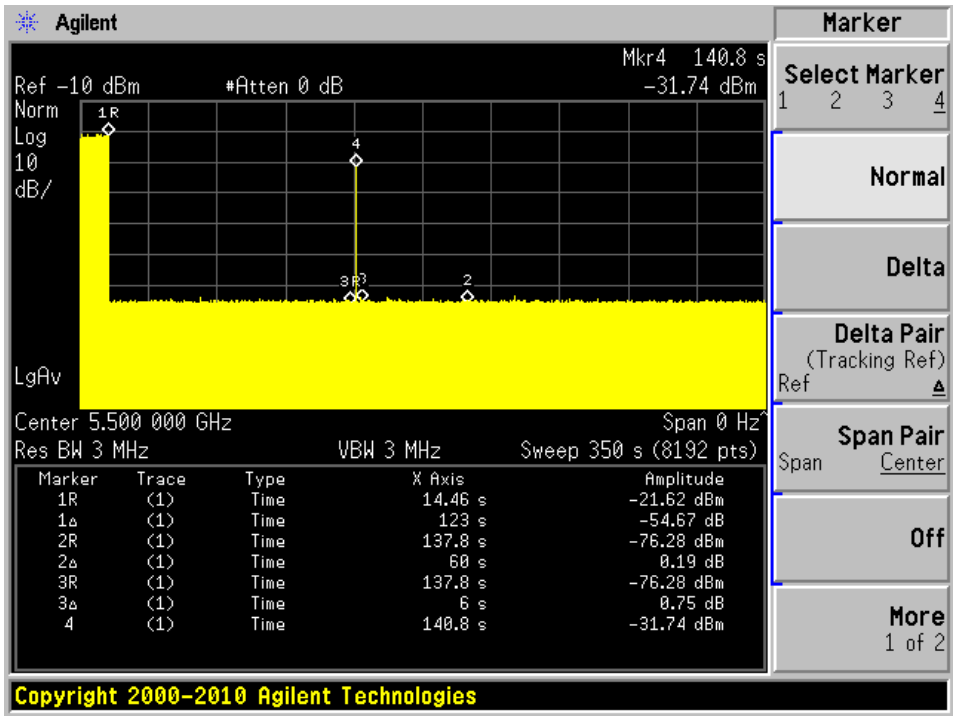
Pine Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

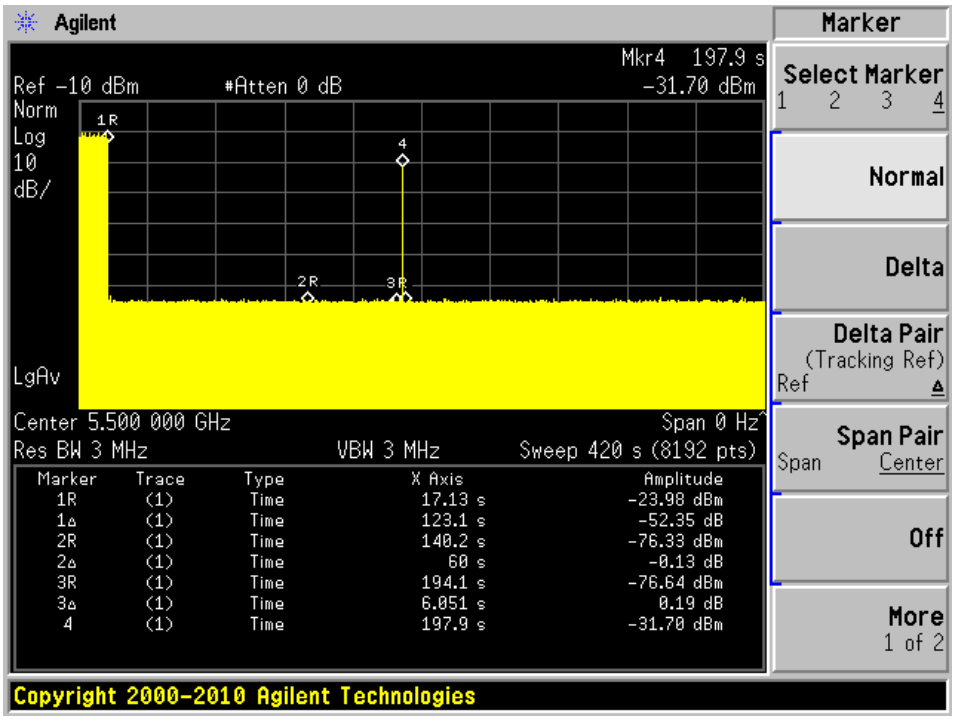


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

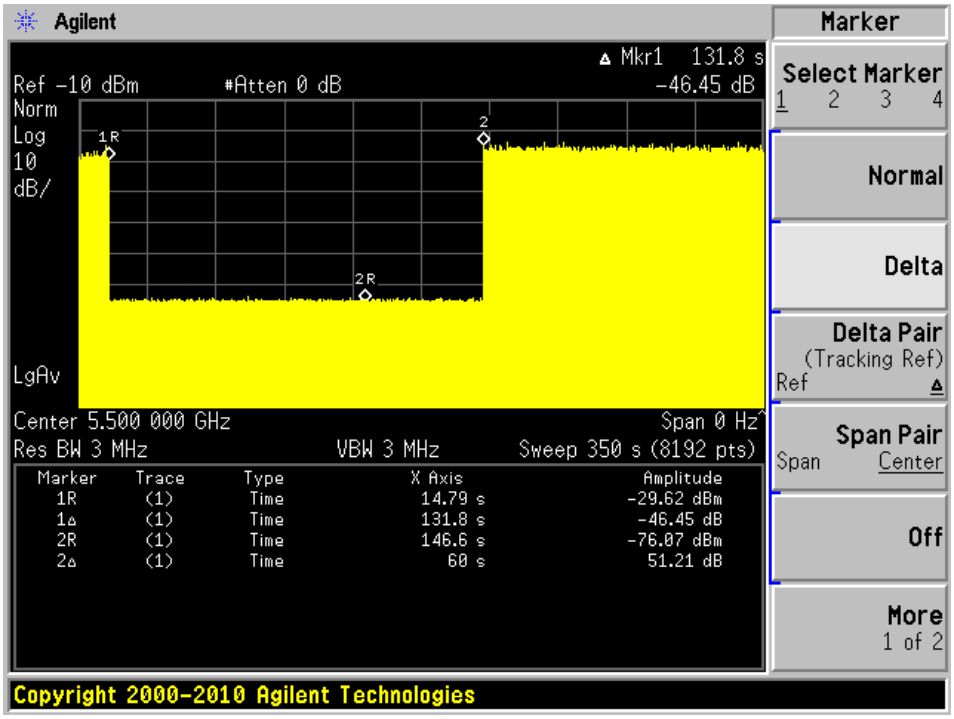


No transmissions found after radar signal applied.

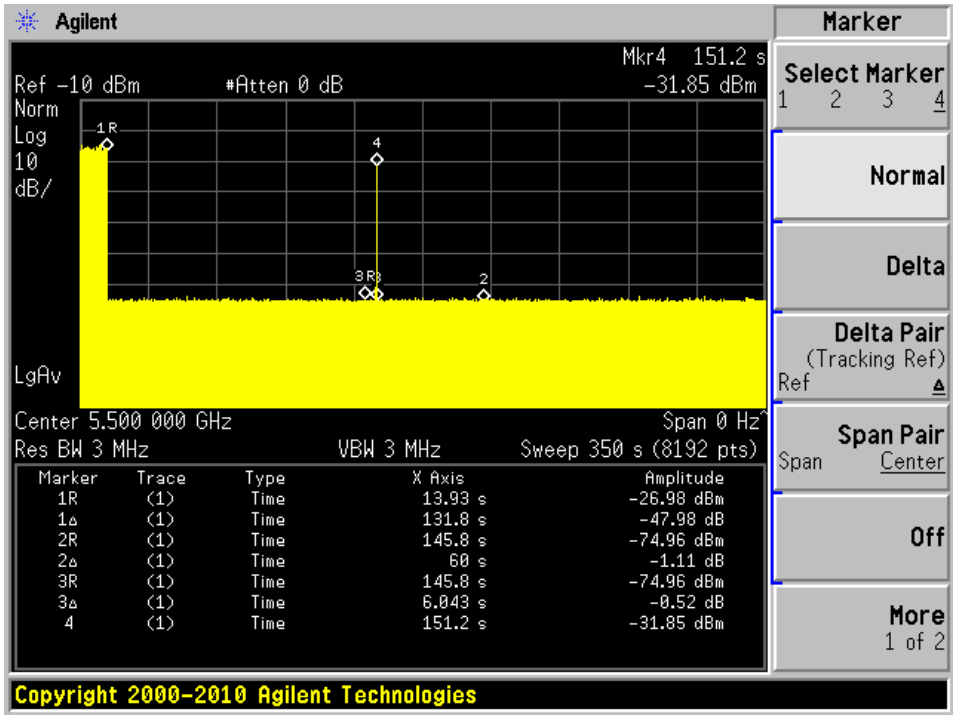
P2MP Mode
Iron Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

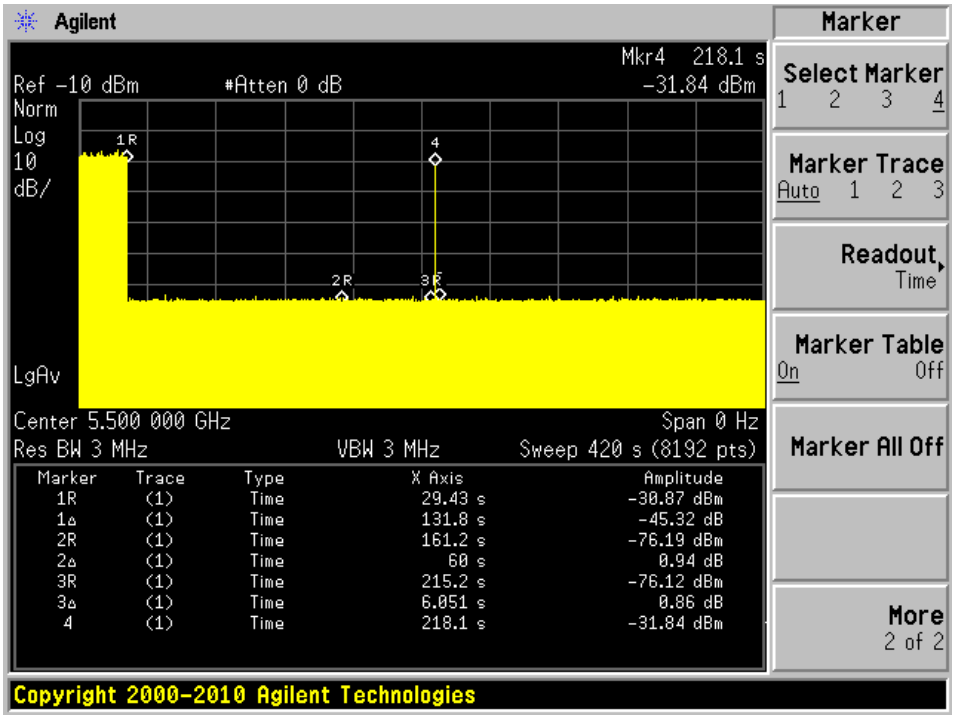


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

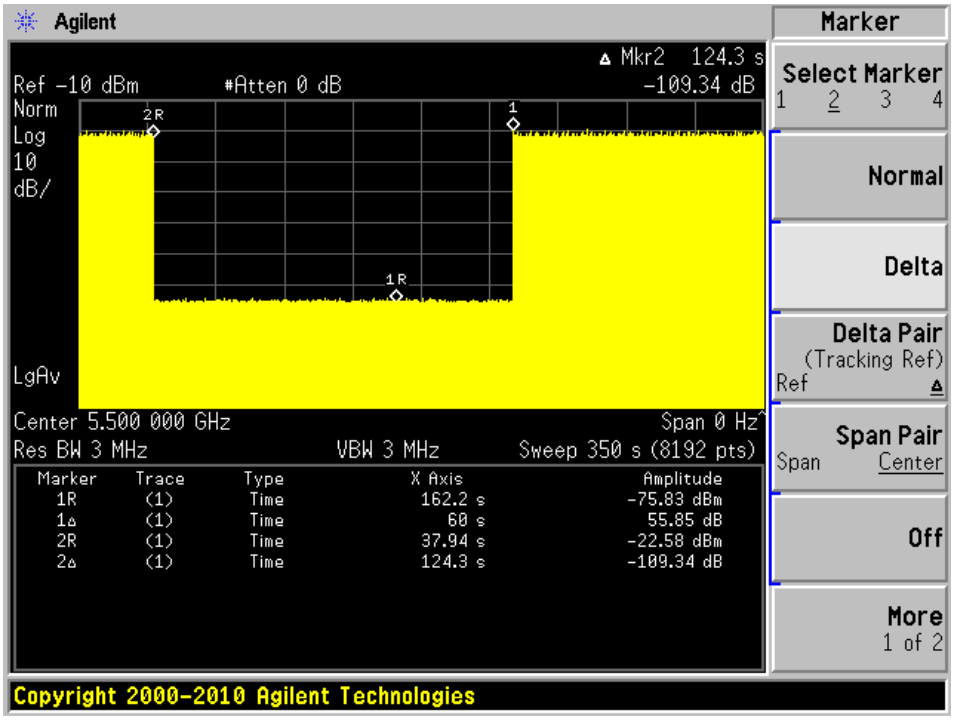


No transmissions found after radar signal applied.

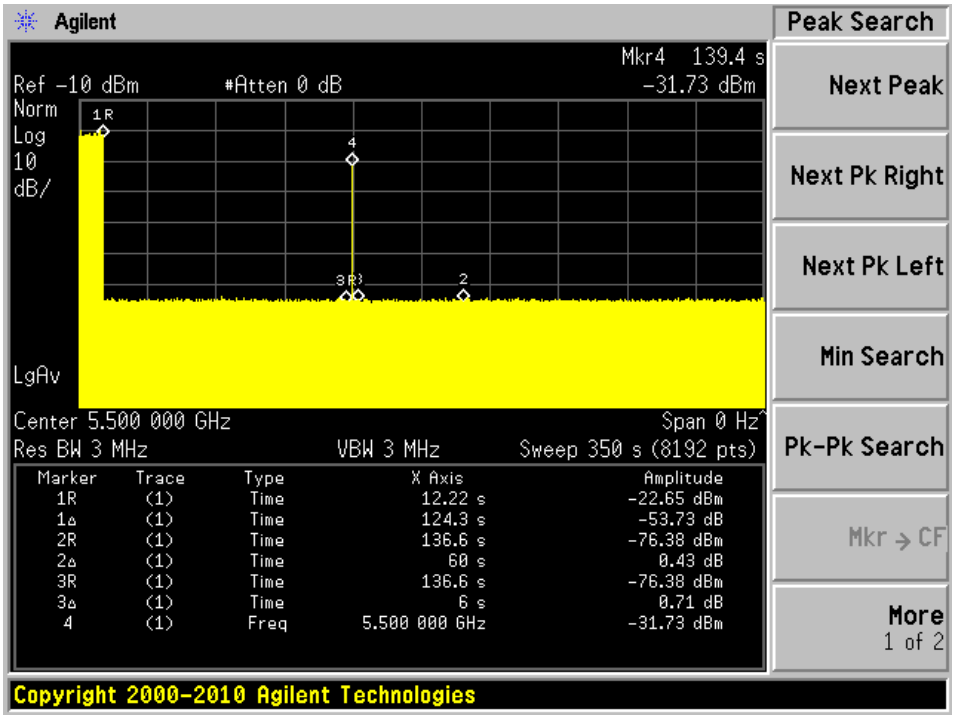
Pine Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

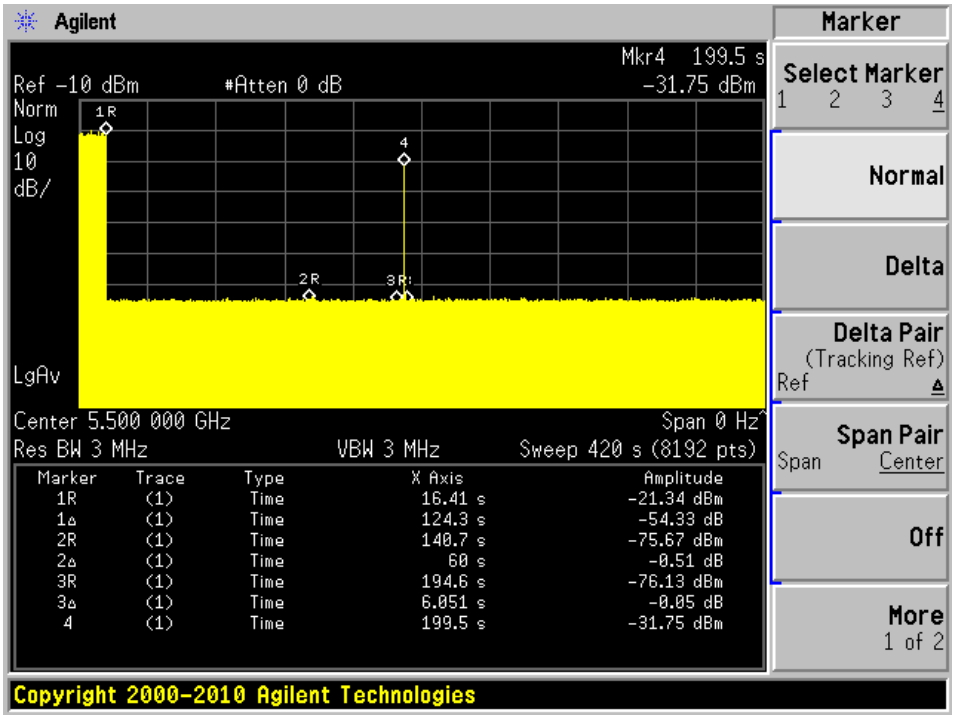


Plot of Radar signal applied within 6 seconds of start of CAC



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 * Dwell Time

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

7.2 Test Results

AP Mode

Iron Radio

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

Pine Radio

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

P2P Mode

Iron Radio

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

Pine Radio

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

PM2P Mode

Iron Radio

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

Pine Radio

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

Please refer to the following tables and plots.

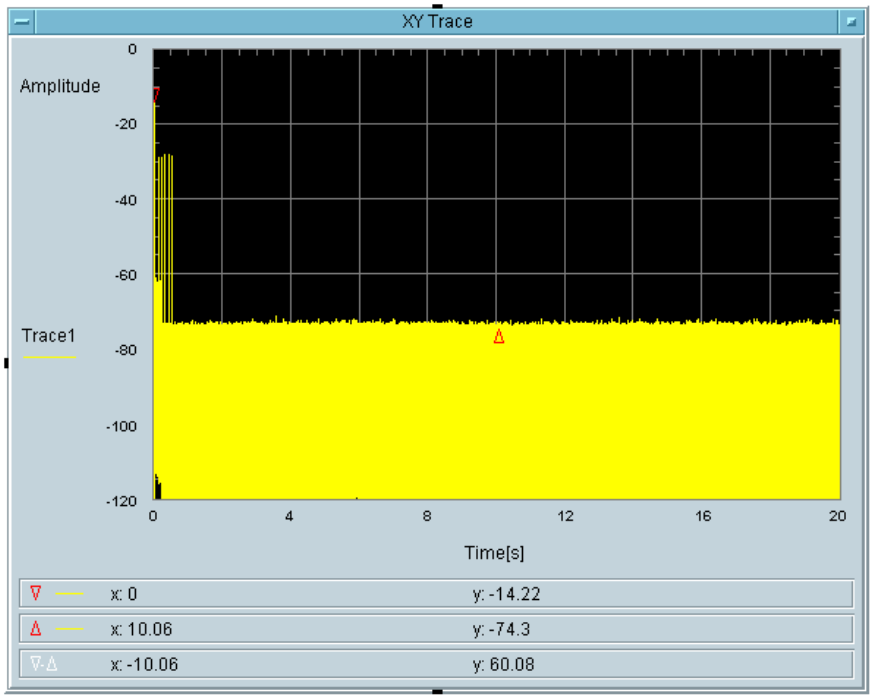
AP Mode
Iron Radio

5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
112.3+12.21	200+60	Pass

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



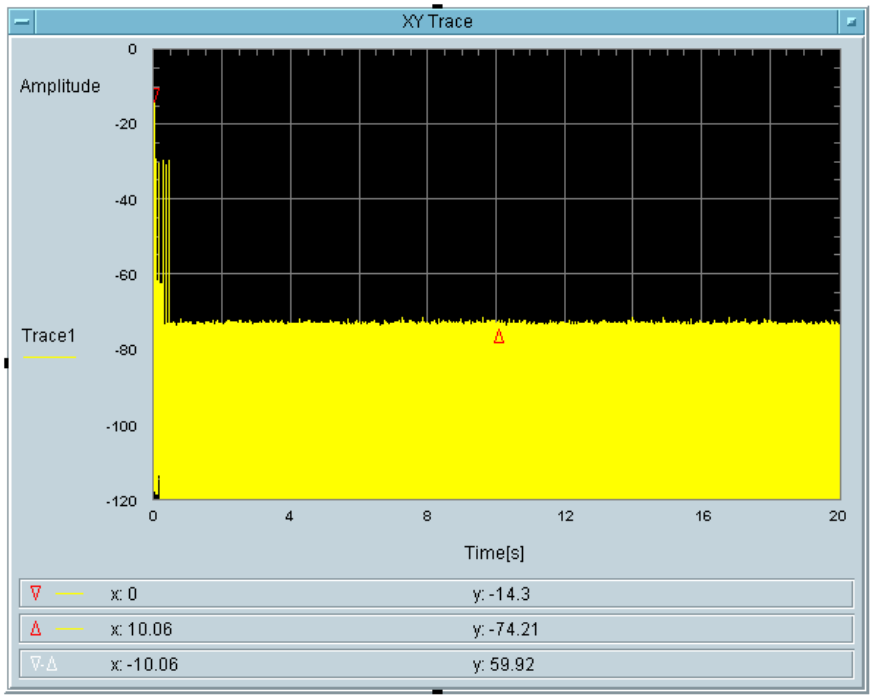
AP Master Mode
Pine Radio

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
109.9+9.766	200+60	Pass

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



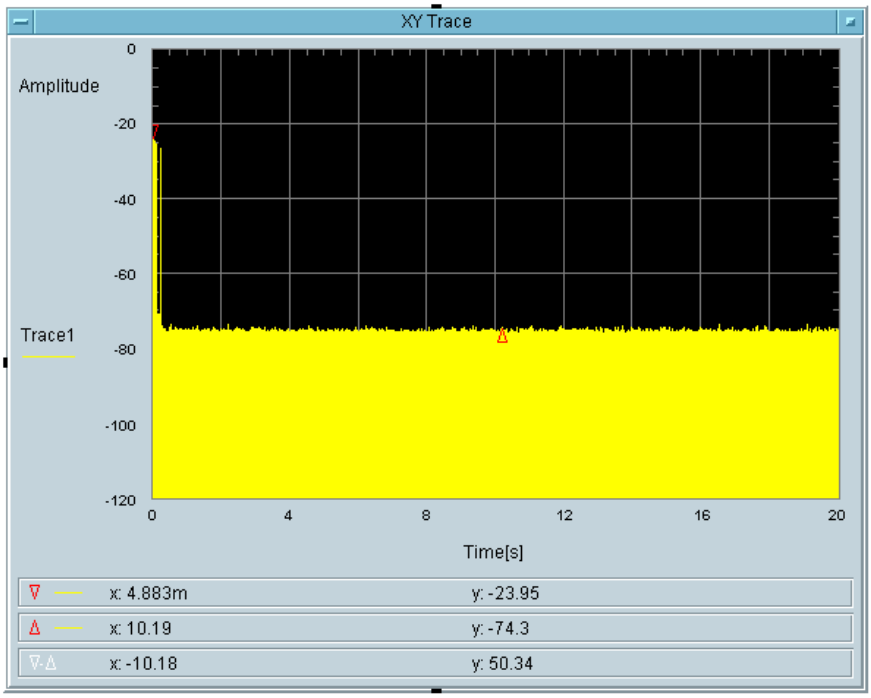
P2P Mode
Iron Radio

5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
78.13+2.441	200+60	Pass

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



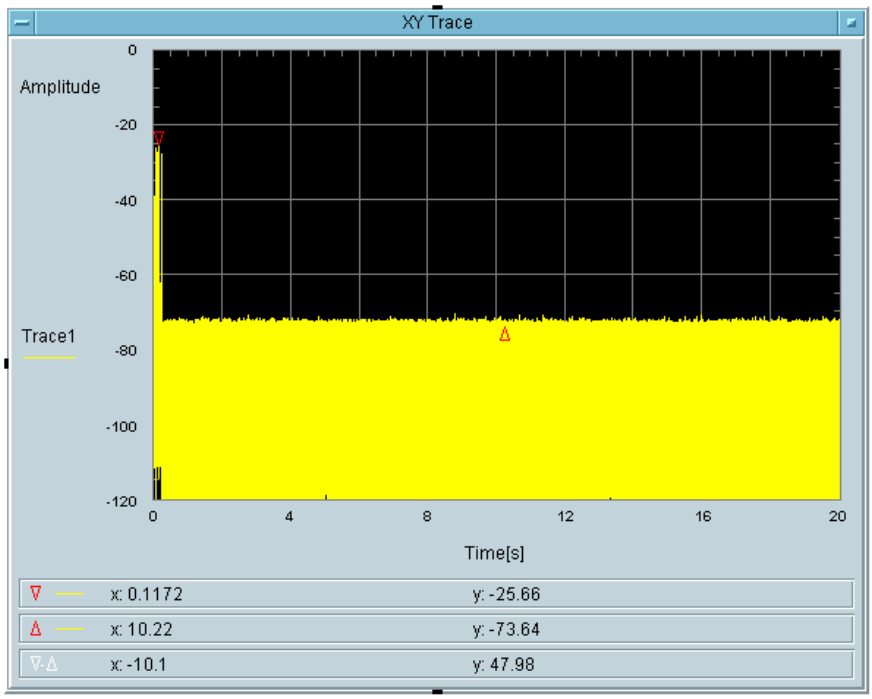
P2P Mode
Pine Radio

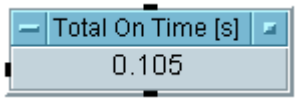
5570 MHz, Bandwidth 160 MHz

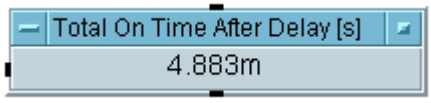
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
105+4.883	200+60	Pass

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







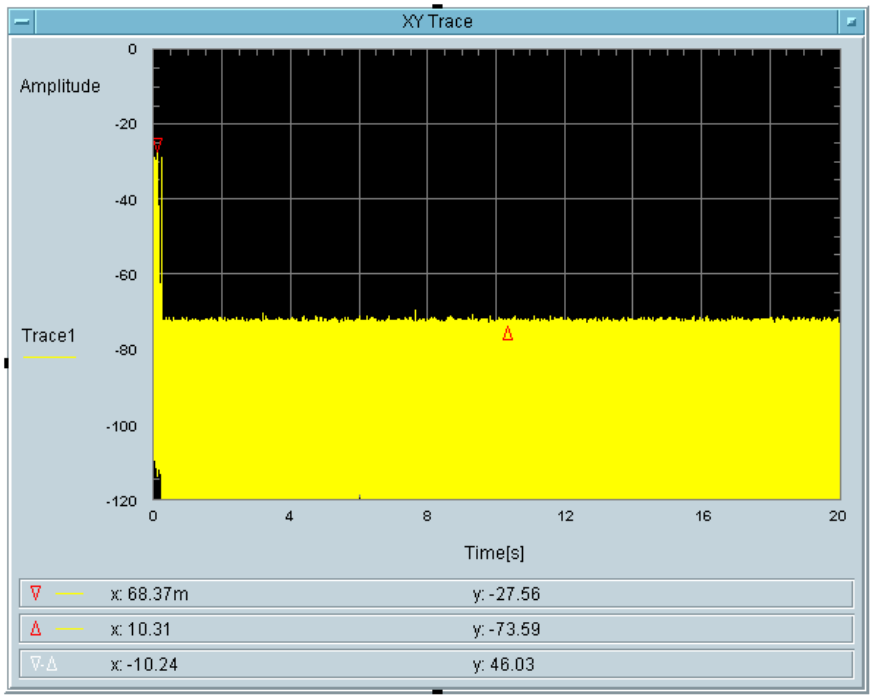
P2MP Mode
Iron Radio

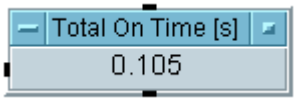
5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
105+4.883	200+60	Pass

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





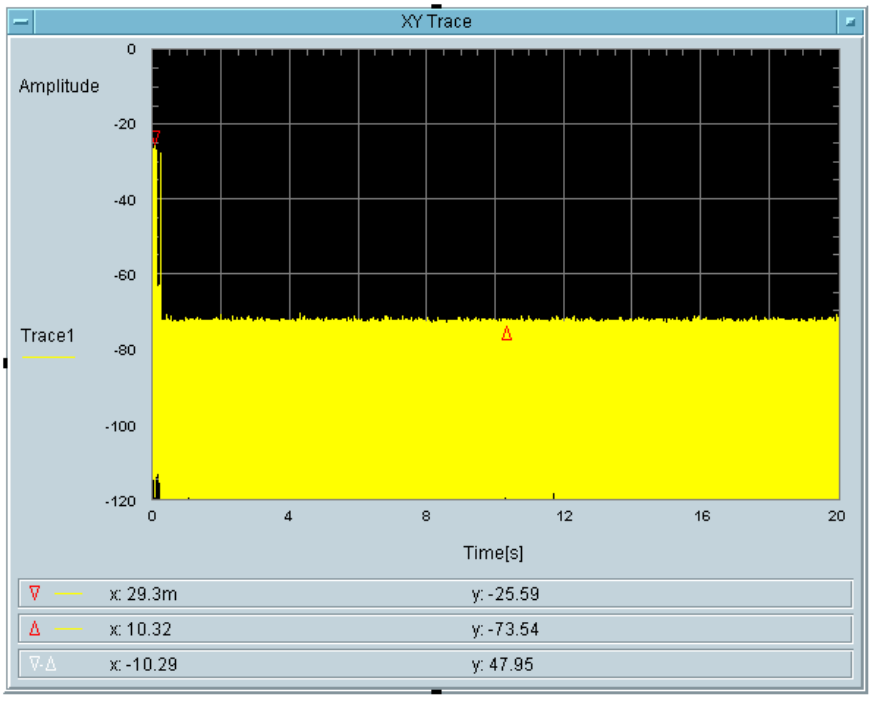
P2MP Mode
Pine Radio

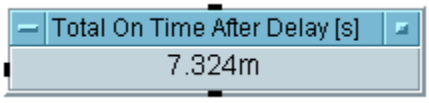
5570 MHz, Bandwidth 160 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
107.4+7.324	200+60	Pass

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





8 Non-Occupancy Period

8.1 Test Procedure

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

8.2 Test Results

AP Mode

Iron Radio

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

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5570	160	No transmission within 30 minutes

P2P Mode

Iron Radio

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

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5570	160	No transmission within 30 minutes

P2MP Mode

Iron Radio

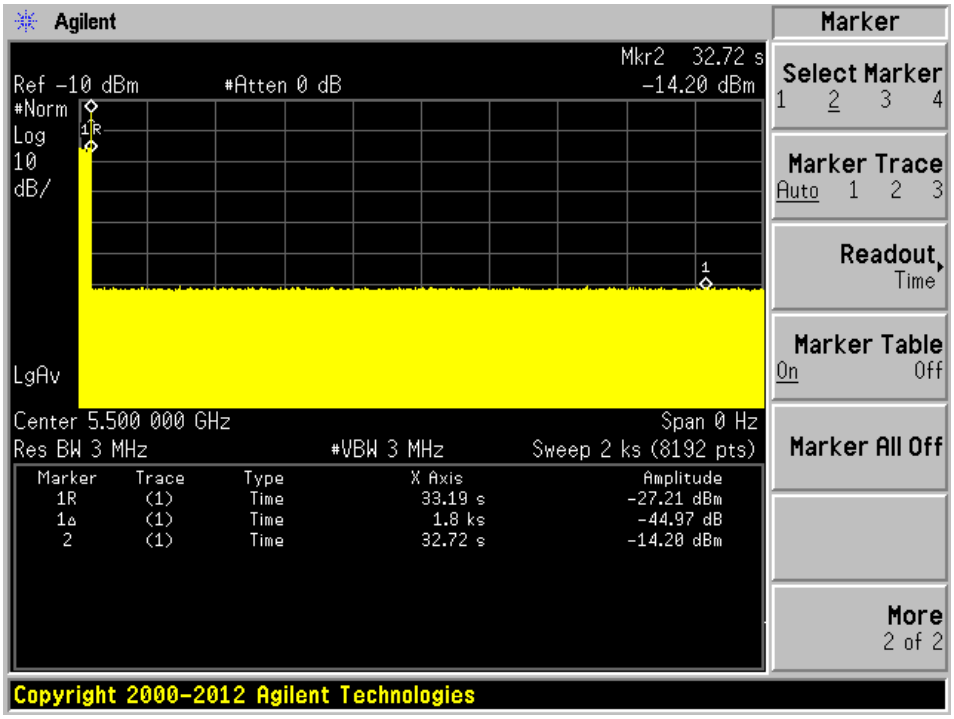
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5530	80	No transmission within 30 minutes

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5570	160	No transmission within 30 minutes

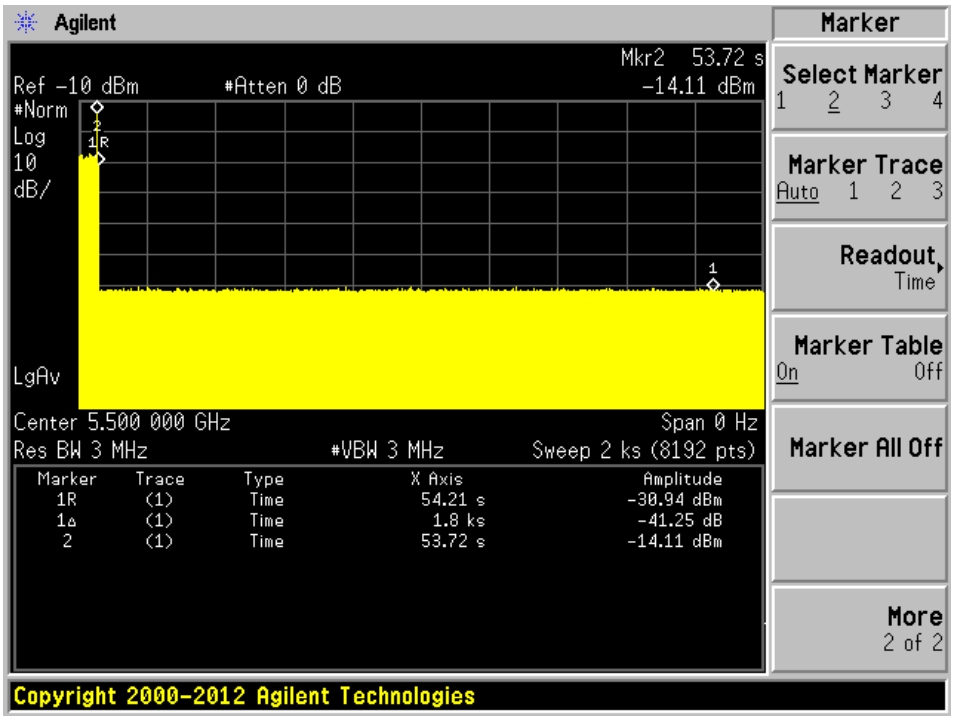
Please refer to the following plots.

AP Mode
Iron Radio
5530 MHz, Bandwidth 80 MHz



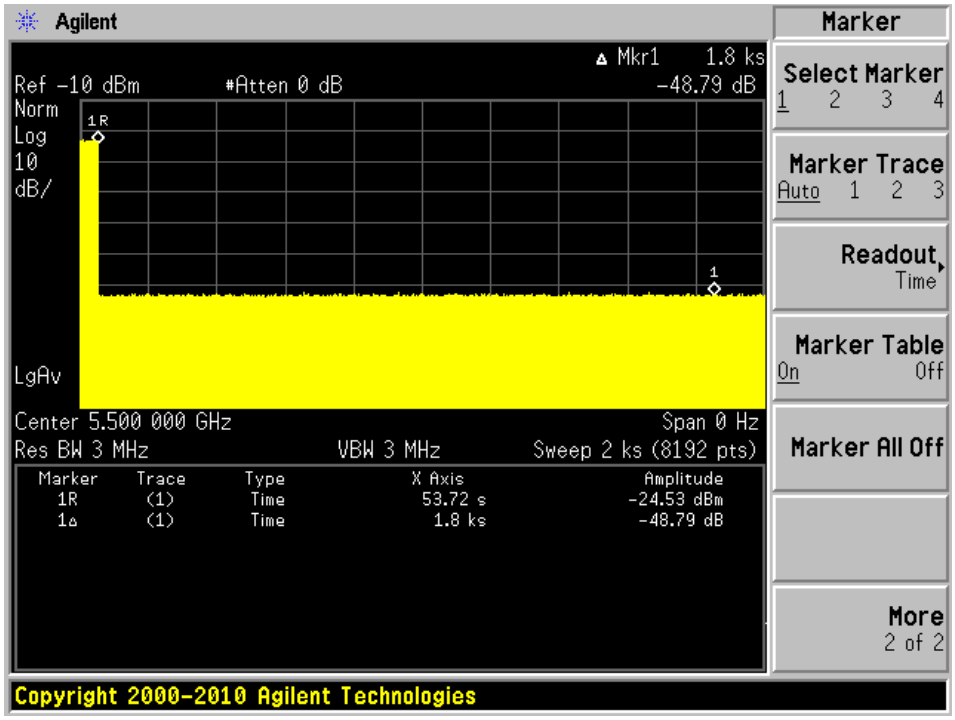
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

Pine Radio
5570 MHz, Bandwidth 160 MHz



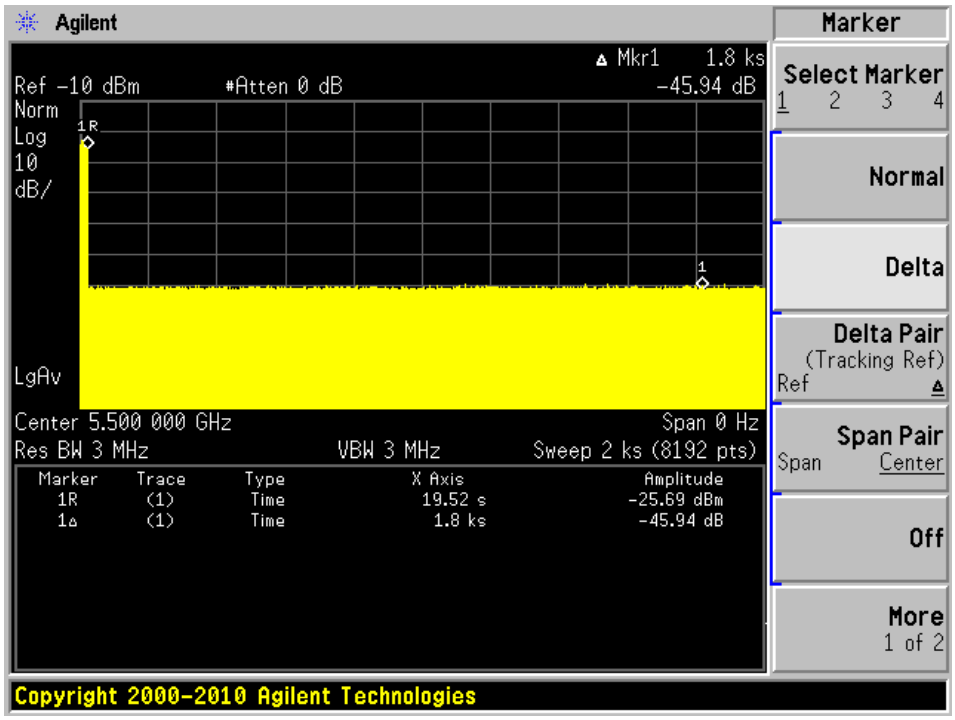
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

P2P Mode
Iron Radio
5530 MHz, Bandwidth 80 MHz



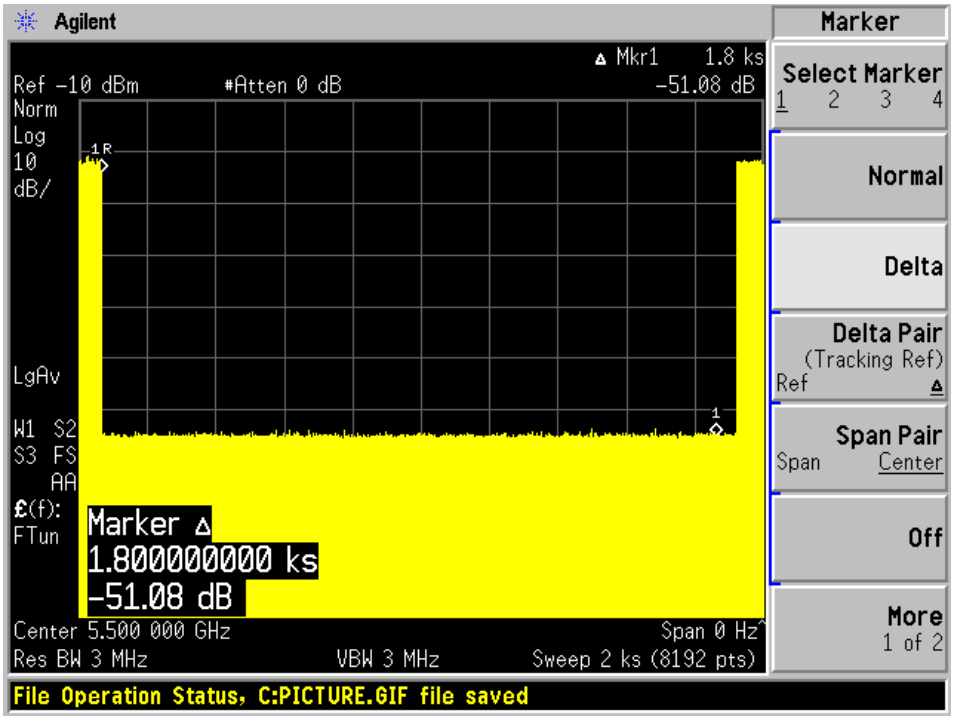
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

Pine Radio
5570 MHz, Bandwidth 160 MHz



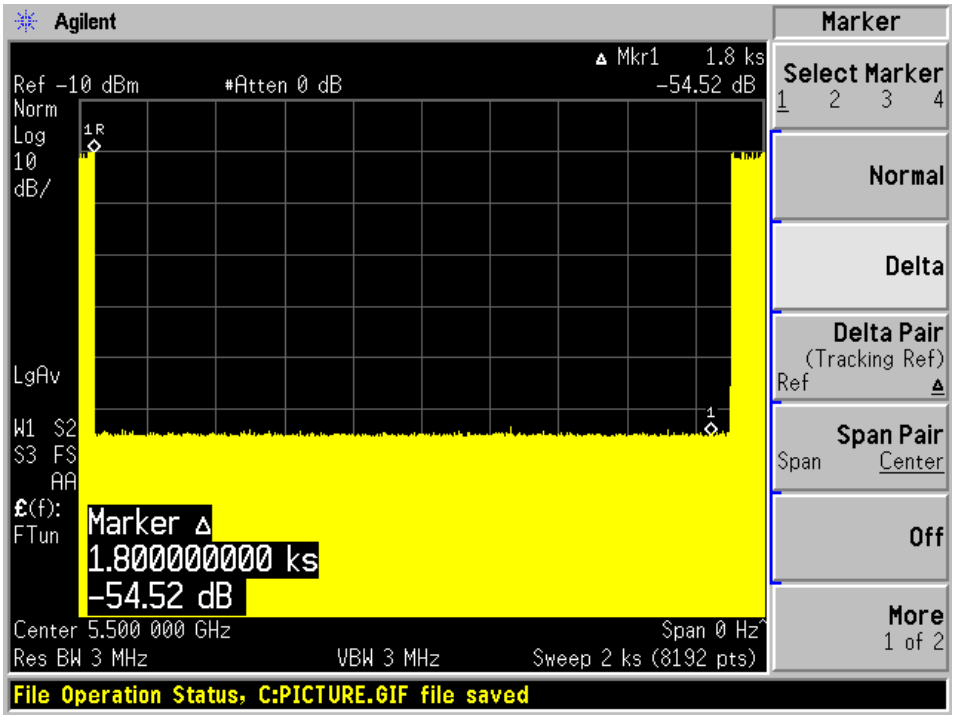
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

P2MP Mode
Iron Radio
5530 MHz, Bandwidth 80 MHz



Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

Pine Radio
5570 MHz, Bandwidth 160 MHz



Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

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

AP Mode
Iron Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliance
5510	5490	5530	40	100%	Compliance
5530	5490	5570	80	100%	Compliance

Pine Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliance
5510	5490	5530	40	100%	Compliance
5530	5490	5570	80	100%	Compliance
5570	5490	5650	160	100%	Compliance

P2P Mode
Iron Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliance
5510	5490	5530	40	100%	Compliance
5530	5490	5570	80	100%	Compliance

Pine Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliance
5510	5490	5530	40	100%	Compliance
5530	5490	5570	80	100%	Compliance
5570	5490	5650	160	100%	Compliance

P2MP Mode
Iron Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliance
5510	5490	5530	40	100%	Compliance
5530	5490	5570	80	100%	Compliance

Pine Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliance
5510	5490	5530	40	100%	Compliance
5530	5490	5570	79	100%	Compliance
5570	5490	5650	160	100%	Compliance

Results of Detection Bandwidth:

AP Mode
Iron Radio

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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 17.68 MHz; 17.68 x 100% = 17.68 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(F_L)	1	1	1	1	1	1	1	1	0	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(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 36.12 MHz; 36.12 x 100% = 36.12 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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	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 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 75.35 MHz; 75.35 x 100% = 75.35 MHz **Result:** Pass											

Pine Radio

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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 17.70 MHz; 17.70 x 100% = 17.70 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(F_L)	1	1	1	1	1	1	1	1	0	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(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 36.34 MHz; 36.34 x 100% = 36.34 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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	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 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 76.38 MHz; 76.38 x 100% = 76.38 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 (%)**
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(Fc)	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 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 154.99 MHz; 154.99 x 100% = 154.99 MHz **Result:** Pass											

P2P Mode
Iron Radio

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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 15.92 MHz; 15.92 x 100% = 15.92 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(F_L)	1	1	1	1	1	1	1	1	0	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(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 36.29 MHz; 36.29 x 100% = 36.29 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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	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)	0	1	1	1	1	1	1	1	1	1	90 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 74.63 MHz; 74.63 x 100% = 74.63 MHz **Result:** Pass											

Pine Radio

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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 15.71 MHz; 15.71 x 100% = 15.71 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(F_L)	1	1	1	1	1	1	1	1	0	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(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 36.29 MHz; 36.29 x 100% = 36.29 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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	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 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 74.89 MHz; 74.89 x 100% = 74.89 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 (%)**
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(Fc)	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 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 148.96 MHz; 148.96 x 100% = 148.96 MHz **Result:** Pass											

P2MP Mode
Iron Radio

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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 18.84 MHz; 18.84 x 100% = 18.84 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(F_L)	1	1	1	1	1	1	1	1	0	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(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 37.68 MHz; 37.68 x 100% = 37.68 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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	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 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 75.84 MHz; 75.84 x 100% = 75.84 MHz **Result:** Pass											

Pine Radio

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 (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 15.57 MHz; 15.57 x 100% = 15.57 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(F_L)	1	1	1	1	1	1	1	1	0	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(Fc)	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 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 36.34 MHz; 36.34 x 100% = 36.34 MHz **Result:** Pass											

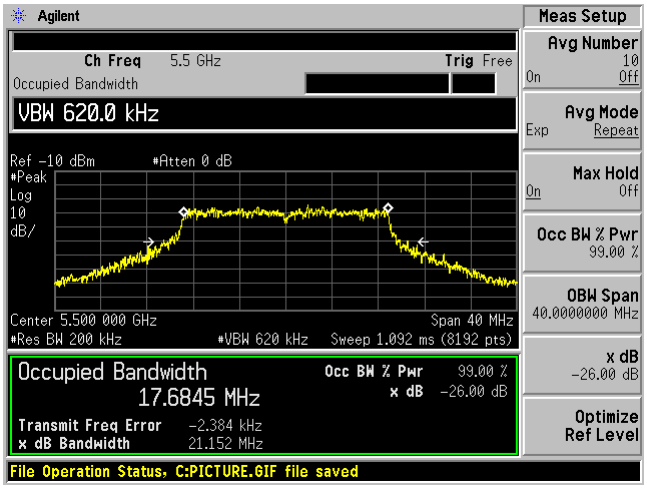
EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	0	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
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 %
5569(F_H)	1	1	1	1	1	1	1	1	1	0	90 %
5570	1	1	1	1	1	1	1	1	0	0	80 %
Detection Bandwidth = $F_H - F_L$=5569-5490=79 MHz											
EUT 99% OBW = 76.84 MHz; 76.84 x 100% = 76.84 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 (%)**
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(Fc)	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 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 141.35 MHz; 141.35 x 100% = 141.35 MHz **Result:** Pass											

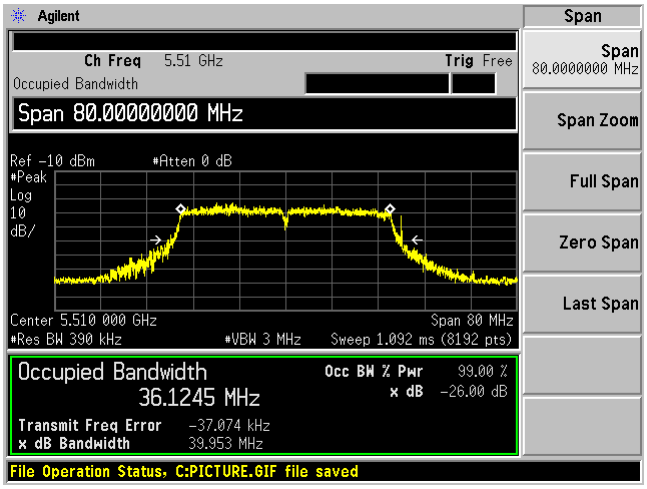
OBW Measurement

AP Mode
Iron Radio

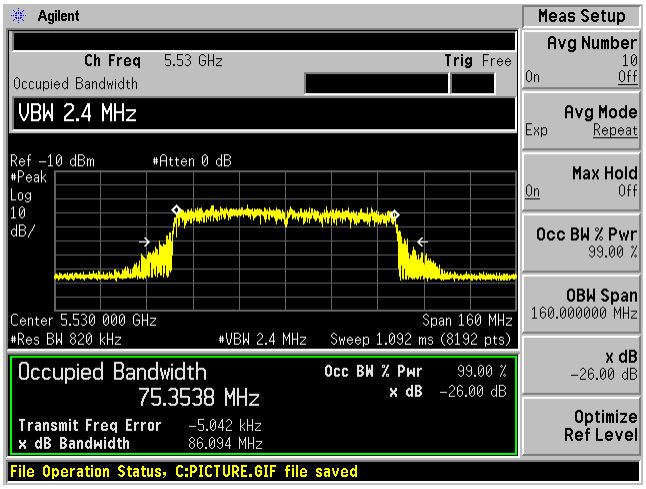
20 MHz



40 MHz

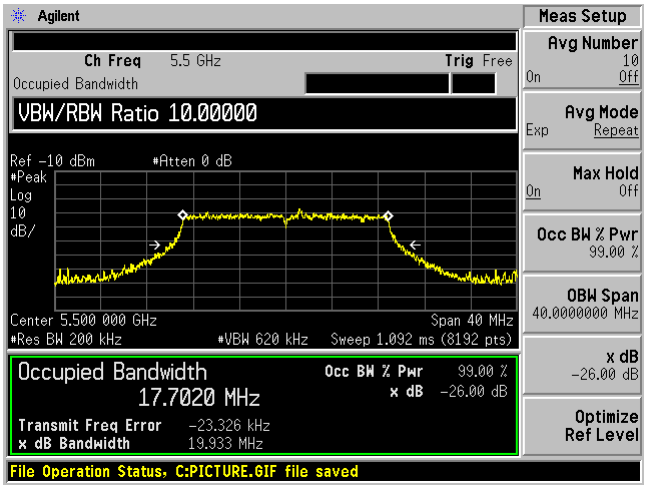


80 MHz

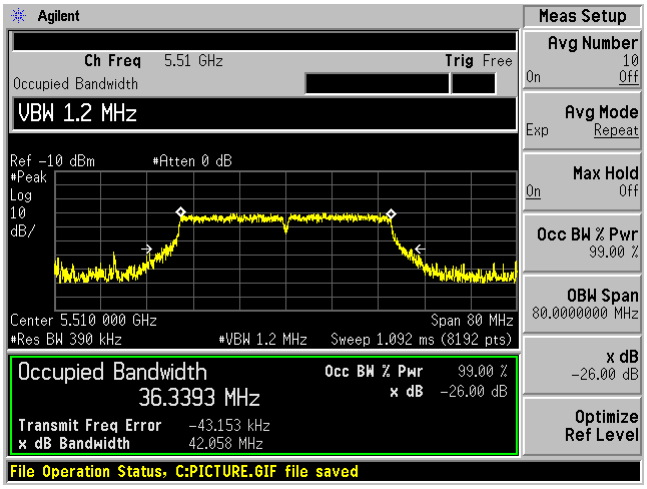


Pine Radio

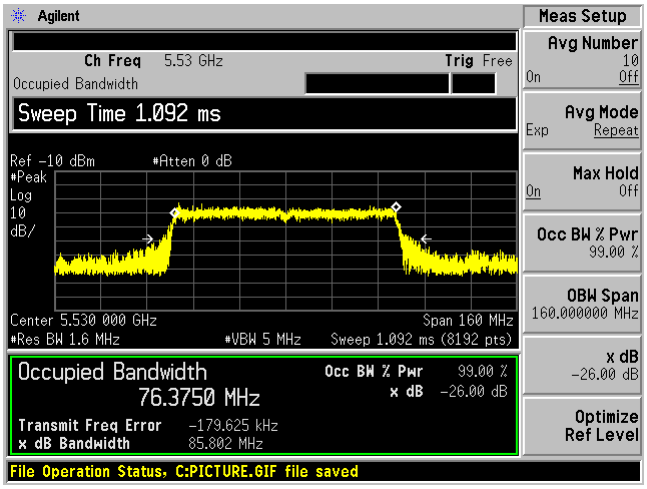
20 MHz



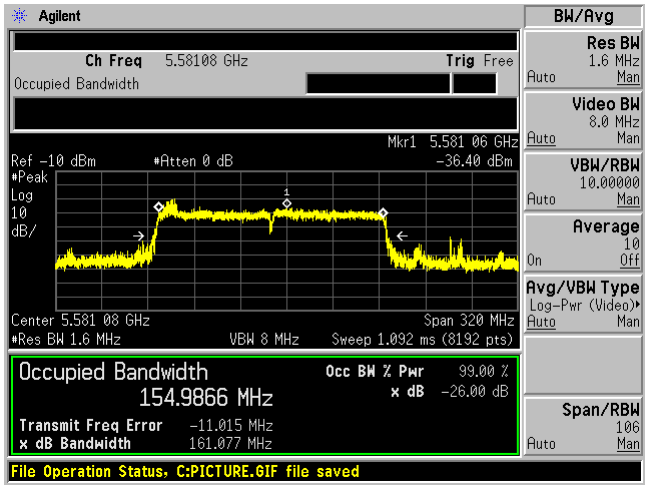
40 MHz



80 MHz

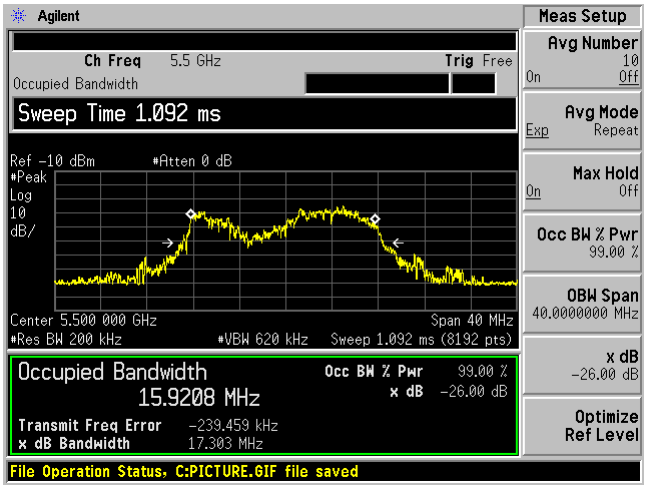


160 MHz

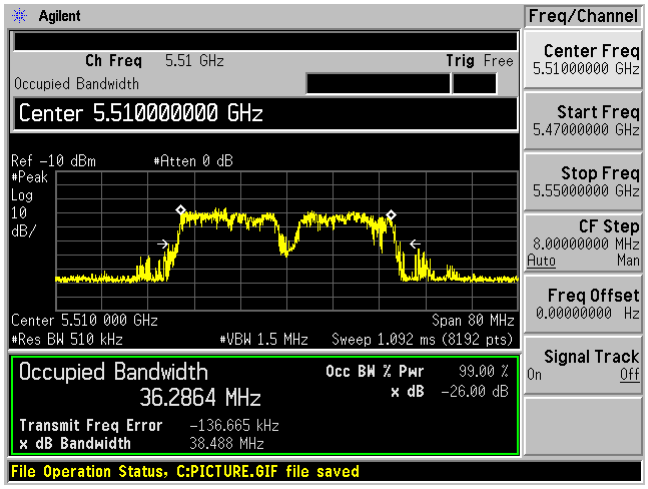


P2P Master Mode
Iron Radio

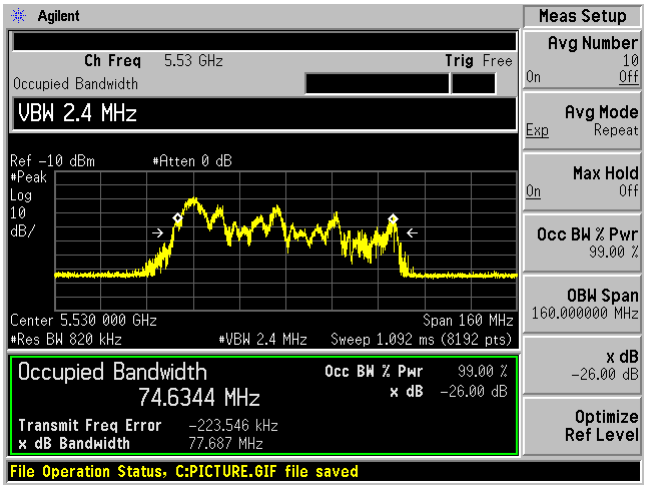
20 MHz



40 MHz

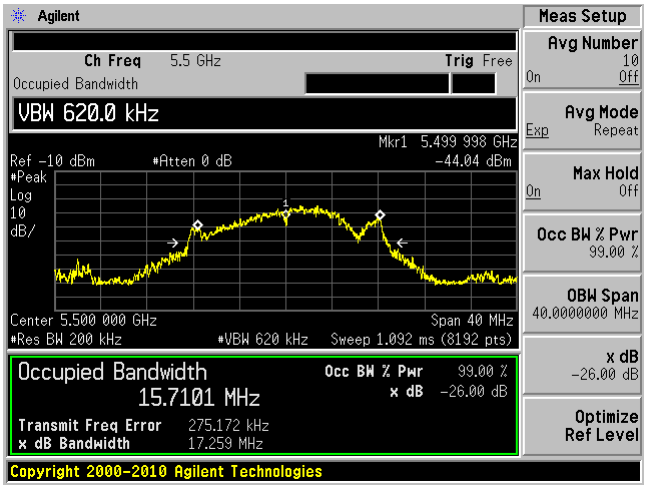


80 MHz

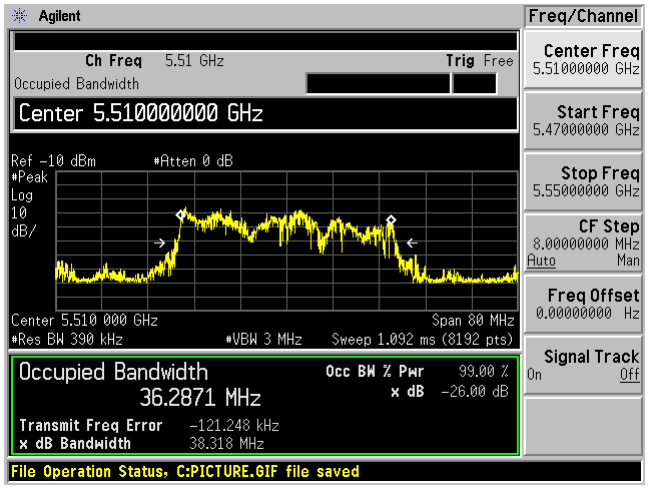


Pine Radio

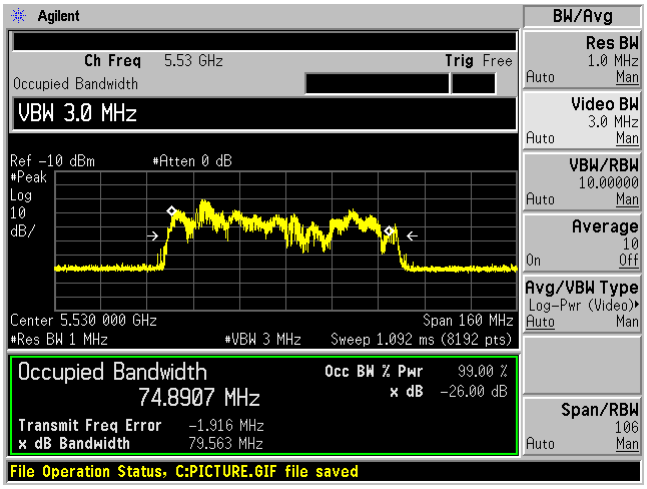
20 MHz



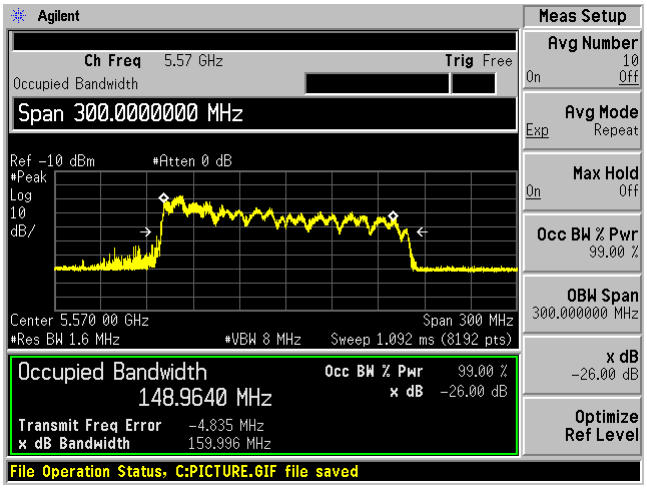
40 MHz



80 MHz

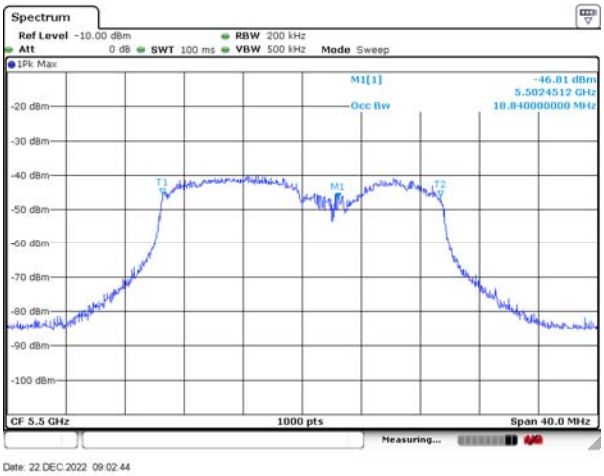


160 MHz

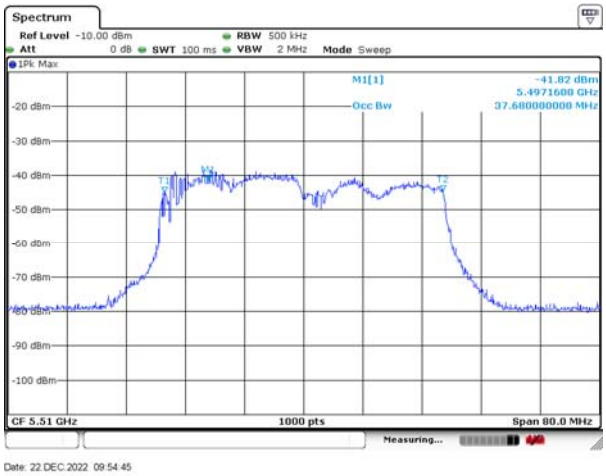


P2MP Master Mode
Iron Radio

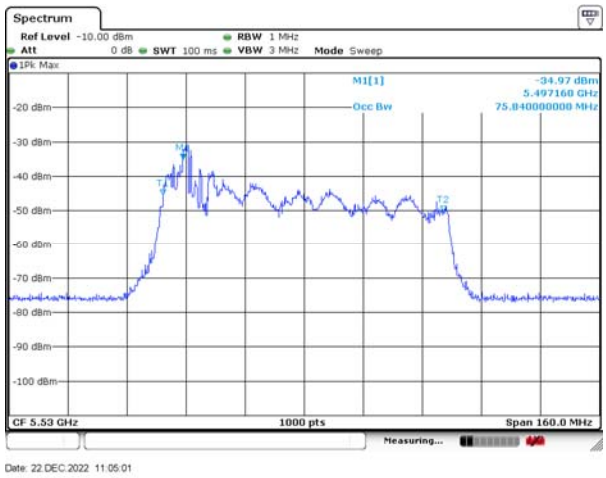
20 MHz



40 MHz

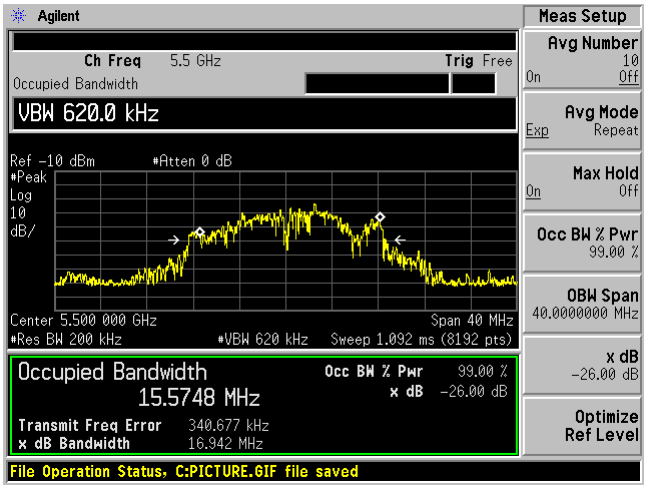


80 MHz

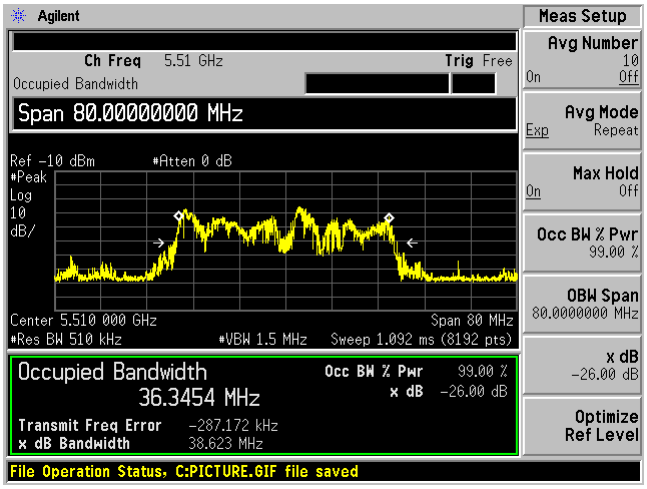


Pine Radio

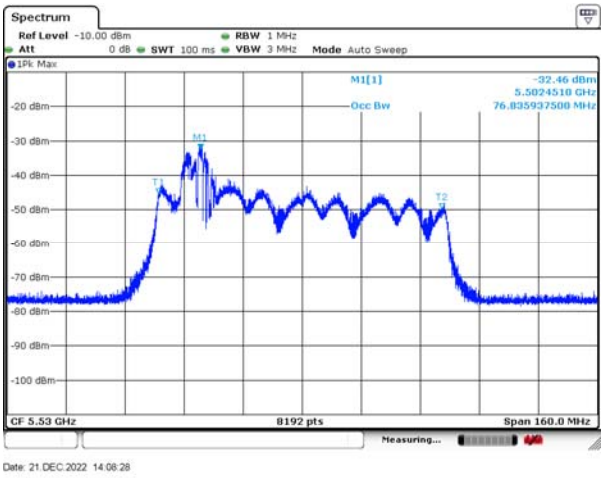
20 MHz



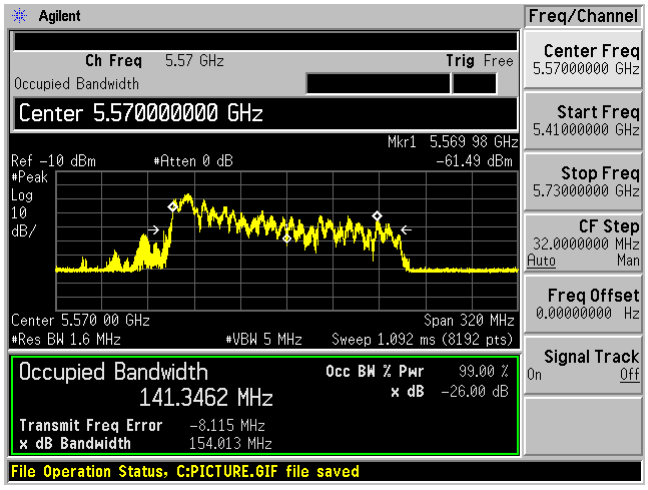
40 MHz



80 MHz



160 MHz



9.2 Radar Detection Performance Check

Procedure:

Start iperf traffic from master device to client device.
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:

AP Mode
Iron Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	83.3%	60%	Pass
Type 3	30	76.7%	60%	Pass
Type 4	30	76.7%	60%	Pass
Aggregate (Type1 to 4)	120	81.7%	80%	Pass
Type 5	30	100%	80%	Pass
Type 6	30	100%	70%	Pass

Please refer to the following statistical tables:

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	62	1.0	858	1
2	72	1.0	738	1
3	18	1.0	3066	1
4	65	1.0	818	1
5	102	1.0	518	1
6	92	1.0	578	1
7	63	1.0	838	1
8	67	1.0	798	1
9	70	1.0	758	1
10	86	1.0	618	1
11	99	1.0	538	1
12	81	1.0	658	1
13	89	1.0	598	1
14	76	1.0	698	1
15	83	1.0	638	1
16	37	1.0	1433	1
17	19	1.0	2834	1
18	42	1.0	1285	1
19	27	1.0	1972	0
20	19	1.0	2919	1
21	29	1.0	1820	1
22	73	1.0	726	1
23	25	1.0	2133	1
24	41	1.0	1301	1
25	43	1.0	1234	1
26	22	1.0	2461	0
27	26	1.0	2041	1
28	50	1.0	1077	1
29	19	1.0	2846	0
30	23	1.0	2394	1
Detection Percentage: 90% (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	25	3.3	155	1
2	25	1.4	174	1
3	23	1.3	201	1
4	28	1.1	178	0
5	25	4.0	194	1
6	23	4.6	152	1
7	25	4.5	163	1
8	26	3.9	189	0
9	26	4.3	168	1
10	26	2.0	195	1
11	29	3.1	227	1
12	29	4.1	221	1
13	28	4.7	203	1
14	29	3.8	219	1
15	28	4.2	204	1
16	25	1.3	198	1
17	26	3.3	163	1
18	28	1.9	183	1
19	28	3.1	181	1
20	23	2.4	185	0
21	26	1.6	172	0
22	29	3.4	199	1
23	29	2.7	225	1
24	29	1.0	192	0
25	23	1.2	210	1
26	27	4.6	196	1
27	24	2.6	207	1
28	25	1.5	198	1
29	27	2.8	191	1
30	23	1.8	203	1
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	9.0	288	1
2	16	6.6	378	1
3	18	7.7	224	1
4	16	9.8	236	0
5	18	9.8	314	1
6	17	8.7	246	1
7	16	8.5	372	1
8	18	9.9	446	1
9	18	6.9	242	0
10	17	6.2	334	1
11	17	7.5	334	1
12	17	6.2	396	0
13	18	7.4	313	1
14	18	9.0	222	0
15	18	7.4	308	1
16	17	9.6	401	1
17	18	8.9	435	1
18	16	8.7	333	1
19	17	6.8	426	0
20	18	8.6	490	1
21	18	9.9	237	1
22	17	6.0	311	0
23	17	7.4	491	1
24	17	9.8	415	1
25	16	6.9	381	1
26	16	9.5	358	0
27	16	9.9	232	1
28	18	8.7	280	1
29	17	7.3	208	1
30	18	7.3	316	1
Detection Percentage: 76.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	12.3	229	1
2	14	18.5	384	1
3	14	17.3	260	1
4	13	18.6	349	1
5	14	17.6	280	1
6	14	14.7	460	1
7	14	12.3	282	0
8	13	15.1	235	1
9	14	11.2	274	1
10	16	13.0	305	0
11	16	17.6	278	1
12	15	18.2	230	1
13	16	11.3	413	1
14	15	19.1	380	1
15	13	17.1	476	1
16	15	12.5	376	1
17	13	17.5	467	0
18	14	14.6	378	1
19	16	18.3	240	0
20	13	17.4	409	0
21	12	12.7	405	1
22	16	11.1	414	1
23	12	17.8	340	1
24	15	19.0	454	1
25	15	16.2	372	1
26	15	12.7	326	1
27	13	16.9	396	1
28	16	13.1	438	0
29	15	11.7	201	1
30	12	18.7	277	0
Detection Percentage: 76.7 % (>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	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5493.9	1
12	5494.3	1
13	5499.1	1
14	5494.7	1
15	5494.7	1
16	5498.3	1
17	5495.5	1
18	5494.3	1
19	5493.9	1
20	5497.5	1
21	5500.9	1
22	5503.7	1
23	5505.7	1
24	5502.9	1
25	5503.3	1
26	5502.5	1
27	5504.9	1
28	5506.1	1
29	5505.7	1
30	5501.7	1
Detection Percentage: 100 % (>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	10	57.1	1560	1901	0.277816	
1	2	10	64.3	1975		1.099652	
2	2	10	78.1	1982		1.640618	
3	3	10	77.1	1817	1270	2.137959	
4	2	10	72.3	1779		2.689543	
5	3	10	56.1	1073	1067	3.315662	
6	3	10	67.0	1957	1157	3.972446	
7	3	10	82.4	1279	1235	4.975438	
8	3	10	78.5	1230	1836	5.635589	
9	1	10	99.0			6.125309	1
10	1	10	66.6			6.399434	
11	3	10	71.3	1354	1176	6.999540	
12	2	10	78.8	1344		7.997057	
13	2	10	74.9	1685		8.436074	
14	1	10	64.0			9.142537	
15	1	10	73.3			10.077911	
16	1	10	64.2			10.525268	
17	3	10	76.0	1035	1020	10.990089	
18	2	10	61.1	1374		11.516686	

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	14	69.3	1401	1607	0.639241	1
1	3	14	82.7	1481	1082	1.055966	
2	1	14	87.0			1.397439	
3	1	14	52.9			2.305240	
4	3	14	87.5	1698	1412	3.043139	
5	2	14	93.0	1314		3.982065	
6	2	14	71.1	1488		4.246289	
7	2	14	59.9	1222		4.722570	
8	1	14	66.5			5.653863	
9	1	14	89.1			6.558761	
10	1	14	53.9			6.972375	
11	1	14	69.3			7.638288	
12	1	14	67.5			8.009585	
13	3	14	62.4	1996	1802	8.764495	
14	1	14	85.1			9.636982	
15	1	14	82.6			10.538639	
16	1	14	71.0			11.157324	
17	1	14	55.6			11.807090	

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	19	72.6	1114		0.133821	1
1	3	19	60.0	1625	1153	1.005256	
2	2	19	75.3	1521		1.799525	
3	2	19	63.4	1386		3.103433	
4	3	19	51.2	1391	1056	3.278987	
5	1	19	62.8			4.030728	
6	2	19	82.1	1920		4.899893	
7	2	19	83.5	1005		6.264645	
8	2	19	94.8	1094		6.927104	
9	3	19	52.5	1860	1316	7.253143	
10	3	19	77.0	1799	1526	8.070073	
11	2	19	77.6	1435		9.386583	
12	2	19	75.3	1386		9.670700	
13	3	19	68.3	1052	1090	10.639302	
14	1	19	86.4			11.563445	

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	85.7	1949		0.030304	1
1	2	10	66.9	1769		0.930960	
2	3	10	98.9	1169	1757	1.622444	
3	2	10	77.9	1187		2.430780	
4	3	10	64.1	1665	1946	3.555301	
5	1	10	51.1			4.124290	
6	2	10	70.5	1921		4.510383	
7	3	10	98.7	1489	1332	5.259298	
8	3	10	67.3	1947	1912	6.292578	
9	3	10	93.8	1117	1202	7.077838	
10	3	10	93.4	1960	1771	7.698591	
11	2	10	75.6	1688		8.768959	
12	3	10	56.3	1996	1629	9.259770	
13	1	10	79.2			9.970740	
14	3	10	78.1	1506	1190	11.223598	
15	1	10	50.9			11.296094	

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	5	71.5	1835	1872	0.614878	
1	2	5	89.9	1419		2.017360	
2	2	5	87.1	1840		3.201943	
3	1	5	50.7			4.305129	
4	1	5	86.9			6.078961	1
5	1	5	58.4			6.842129	
6	1	5	99.6			8.901763	
7	1	5	74.8			10.518329	
8	3	5	87.2	1592	1834	11.297282	

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	62.4	1940		0.124424	
1	3	7	56.2	1483	1901	1.033912	
2	3	7	69.9	1027	1721	2.059187	
3	2	7	66.9	1727		3.381178	
4	3	7	76.2	1093	1421	3.699857	
5	2	7	81.9	1604		5.168305	
6	3	7	82.5	1653	1050	6.171234	1
7	2	7	69.2	1232		6.880693	
8	1	7	86.1			7.385598	
9	2	7	75.2	1171		8.486742	
10	1	7	68.7			9.988856	
11	2	7	86.8	1800		10.676857	
12	1	7	61.2			11.406469	

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	6	65.7	1504		0.168546	1
1	2	6	63.3	1678		1.552898	
2	2	6	98.8	1165		3.558332	
3	1	6	77.7			4.059807	
4	2	6	80.0	1214		5.630684	
5	1	6	76.4			6.654772	
6	2	6	79.8	1307		8.100104	
7	3	6	92.9	1672	1500	8.833974	
8	3	6	60.7	1042	1232	10.443251	
9	2	6	79.4	1604		11.887963	

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	51.8	1784		0.053270	1
1	3	11	63.2	1959	1887	1.071222	
2	2	11	97.0	1516		1.499197	
3	2	11	77.6	1816		2.767156	
4	1	11	51.4			3.083377	
5	2	11	79.6	1362		3.531648	
6	1	11	86.8			4.514134	
7	3	11	85.8	1035	1175	4.991637	
8	2	11	89.2	1685		6.128576	
9	2	11	83.0	1513		6.580843	
10	2	11	79.3	1701		7.355287	
11	1	11	93.2			7.855959	
12	3	11	73.8	1833	1859	8.811398	
13	2	11	64.5	1149		9.698883	
14	3	11	70.5	1503	1313	9.995324	
15	3	11	80.3	1933	1109	11.183370	
16	2	11	69.3	1924		11.473931	

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	14	69.6	1557		0.650816	1
1	2	14	97.0	1206		1.915979	
2	2	14	53.3	1155		3.233414	
3	2	14	52.0	1650		3.762892	
4	1	14	71.9			5.587236	
5	3	14	90.4	1420	1085	6.342111	
6	3	14	78.6	1442	1338	7.616477	
7	3	14	54.1	1880	1474	9.517836	
8	3	14	50.1	1136	1346	9.891016	
9	1	14	71.2			11.584835	

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	86.3	1900		0.570235	1
1	1	11	70.3			1.365946	
2	3	11	95.9	1882	1163	2.504084	
3	1	11	65.5			3.301595	
4	2	11	54.7	1302		3.790419	
5	3	11	80.1	1683	1997	4.646384	
6	2	11	67.1	1831		5.210545	
7	3	11	56.2	1733	1244	6.349513	
8	2	11	99.1	1025		7.092387	
9	1	11	53.8			8.197979	
10	1	11	63.0			8.902892	
11	3	11	61.4	1839	1369	9.828982	
12	3	11	72.8	1858	1148	10.447923	
13	3	11	67.9	1077	1344	11.824720	

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	6	50.8			0.243608	1
1	2	6	68.6	1720		1.371484	
2	2	6	65.8	1842		2.920069	
3	3	6	70.1	1904	1556	4.151835	
4	2	6	67.8	1493		4.911206	
5	1	6	76.3			6.246703	
6	2	6	74.3	1541		7.371653	
7	1	6	60.4			7.823250	
8	1	6	67.0			9.608069	
9	2	6	97.1	1825		10.549848	
10	2	6	61.9	1143		10.990379	

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	7	66.0	1803	1233	0.056145	1
1	1	7	69.1			0.775286	
2	2	7	85.3	1181		1.454694	
3	3	7	71.9	1928	1145	2.118053	
4	1	7	97.4			3.182741	
5	1	7	61.1			3.938054	
6	1	7	61.3			4.257285	
7	1	7	63.6			5.104976	
8	2	7	99.9	1151		5.647545	
9	1	7	86.8			6.852330	
10	3	7	57.1	1687	1158	7.692647	
11	2	7	54.5	1760		8.441177	
12	3	7	63.0	1351	1551	8.917146	
13	3	7	55.0	1021	1084	9.497792	
14	1	7	56.0			10.203505	
15	2	7	88.4	1968		11.233942	
16	3	7	71.3	1744	1676	11.306850	

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	7	66.0	1803	1233	0.056145	1
1	1	7	69.1			0.775286	
2	2	7	85.3	1181		1.454694	
3	3	7	71.9	1928	1145	2.118053	
4	1	7	97.4			3.182741	
5	1	7	61.1			3.938054	
6	1	7	61.3			4.257285	
7	1	7	63.6			5.104976	
8	2	7	99.9	1151		5.647545	
9	1	7	86.8			6.852330	
10	3	7	57.1	1687	1158	7.692647	
11	2	7	54.5	1760		8.441177	
12	3	7	63.0	1351	1551	8.917146	
13	3	7	55.0	1021	1084	9.497792	
14	1	7	56.0			10.203505	

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	8	56.2	1868	1502	0.585879	
1	2	8	84.1	1347		1.488355	
2	2	8	77.3	1879		2.470526	
3	1	8	70.2			3.670749	
4	2	8	53.8	1452		4.537568	
5	3	8	71.1	1859	1504	5.082689	
6	3	8	83.7	1221	1350	6.213477	1
7	2	8	74.2	1749		6.843537	
8	3	8	76.9	1163	1112	7.589384	
9	3	8	97.5	1976	1234	8.655621	
10	1	8	59.6			9.303729	
11	2	8	60.9	1545		10.215824	
12	2	8	84.5	2000		11.660944	

Bin5 Statistic 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	8	87.5			0.622815	
1	1	8	67.2			1.494174	
2	2	8	85.7	1366		2.384294	
3	2	8	89.6	1283		3.393410	
4	2	8	81.3	1699		3.897964	
5	3	8	63.2	1449	1216	4.835533	
6	2	8	93.1	1317		6.215247	1
7	2	8	77.3	1193		7.096278	
8	2	8	58.0	1073		7.952586	
9	3	8	65.7	1213	1296	8.895452	
10	1	8	99.8			9.970884	
11	2	8	76.0	1453		10.604984	
12	2	8	71.1	1857		11.336906	

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	17	76.3	1949		0.063383	
1	1	17	59.8			0.624278	
2	1	17	55.6			1.529575	
3	2	17	77.7	1144		2.299491	
4	1	17	53.8			2.662163	
5	1	17	56.0			3.428918	
6	2	17	71.1	1082		3.957297	
7	2	17	91.7	1539		4.342358	
8	1	17	92.2			4.802308	
9	2	17	71.5	1665		5.489741	
10	2	17	87.1	1659		6.461765	1
11	3	17	55.0	1574	1408	6.911787	
12	3	17	98.8	1378	1211	7.596028	
13	2	17	66.6	1600		8.208736	
14	3	17	99.9	1431	1779	8.821355	
15	3	17	55.0	1210	1732	9.170489	
16	2	17	78.2	1154		10.161251	
17	3	17	96.3	1977	1792	10.373644	
18	1	17	88.7			10.822833	
19	1	17	68.3			11.777061	

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	10	66.6	1372		0.665223	
1	2	10	85.2	1287		0.943384	
2	2	10	74.5	1931		2.038602	
3	3	10	71.9	1680	1732	2.768357	
4	3	10	61.8	1902	1208	3.125159	
5	2	10	61.9	1831		3.964528	
6	2	10	86.6	1023		4.755794	
7	1	10	76.7			5.081122	
8	2	10	94.8	1728		5.843330	1
9	2	10	51.1	1471		6.720923	
10	2	10	87.2	1606		7.519724	
11	2	10	50.0	1527		7.992599	
12	2	10	77.4	1903		9.083589	
13	2	10	74.2	1362		9.833305	
14	2	10	50.8	1492		10.422703	
15	2	10	56.7	1819		10.607324	
16	2	10	91.5	1853		11.323050	

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	7	56.0			0.125923	
1	1	7	99.1			0.863244	
2	2	7	55.6	1695		1.349464	
3	2	7	57.1	1216		2.146226	
4	1	7	81.1			2.966740	
5	2	7	65.0	1431		3.161405	
6	1	7	60.6			3.914971	
7	2	7	70.0	1180		4.445991	
8	2	7	54.7	1030		5.351077	
9	2	7	79.0	1935		5.480377	1
10	3	7	60.7	1725	1596	6.059298	
11	3	7	57.7	1775	1495	6.648724	
12	2	7	62.3	1200		7.699749	
13	2	7	61.7	1495		8.235705	
14	2	7	85.5	1071		8.479760	
15	3	7	63.5	1112	1538	9.067614	
16	2	7	82.8	1132		9.700796	
17	2	7	76.2	1874		10.277058	
18	3	7	65.4	1954	1343	11.158410	
19	1	7	73.9			11.684637	

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	6	72.7	1391	1106	0.788764	
1	2	6	57.7	1324		1.547469	
2	2	6	74.8	1678		1.741146	
3	1	6	87.1			3.179889	
4	2	6	51.4	1207		3.754246	
5	3	6	59.2	1347	1448	4.195043	
6	2	6	73.8	1739		4.944467	
7	2	6	92.2	1703		6.369905	1
8	3	6	52.0	1613	1691	6.597652	
9	2	6	91.6	1327		7.841525	
10	1	6	67.8			8.756950	
11	1	6	81.0			9.537840	
12	3	6	73.5	1297	1103	9.905130	
13	3	6	93.2	1664	1567	10.986561	
14	2	6	53.1	1298		11.397496	

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	15	71.5	1534	1642	0.088166	
1	1	15	79.6			0.840210	
2	3	15	60.7	1033	1256	1.624403	
3	2	15	61.1	1847		2.529952	
4	2	15	94.9	1057		3.469780	
5	1	15	97.5			3.591819	
6	2	15	94.9	1774		4.246056	
7	1	15	54.5			5.221310	
8	2	15	99.9	1237		6.281911	1
9	1	15	94.8			6.782037	
10	3	15	54.8	1796	1357	7.455597	
11	2	15	88.5	1939		8.411559	
12	1	15	92.0			8.986376	
13	1	15	50.5			9.814124	
14	2	15	61.4	1324		10.190344	
15	1	15	55.0			11.123791	
16	3	15	70.5	1214	1305	11.619499	

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	19	58.2	1452		0.525942	
1	1	19	72.1			1.391673	
2	2	19	51.4	1668		2.679743	
3	2	19	54.9	1601		4.277597	
4	1	19	54.5			4.989897	
5	2	19	90.9	1038		6.113992	1
6	2	19	87.3	1037		6.623376	
7	1	19	81.7			8.508980	
8	2	19	99.6	1807		9.681000	
9	1	19	64.9			10.569684	
10	2	19	59.6	1883		11.991472	
0	2	19	58.2	1452		0.525942	

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	12	61.5			0.142318	
1	3	12	95.9	1431	1621	1.129871	
2	3	12	77.1	1526	1312	2.762571	
3	1	12	97.8			3.074906	
4	1	12	61.5			3.758085	
5	1	12	63.9			5.192329	
6	3	12	58.4	1111	1151	6.336471	1
7	2	12	66.0	1718		7.339361	
8	2	12	76.7	1739		7.873605	
9	2	12	98.9	1889		9.066212	
10	3	12	97.1	1865	1168	9.990876	
11	1	12	73.5			11.012081	
12	3	12	78.2	1074	1005	11.622697	

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	7	91.1	1242	1073	0.058093	
1	2	7	73.7	1557		1.457902	
2	2	7	50.1	1964		1.736002	
3	2	7	72.3	1338		2.324139	
4	2	7	82.9	1893		3.733216	
5	3	7	53.4	1755	1539	4.210353	
6	2	7	64.2	1764		4.647720	
7	1	7	61.9			5.913432	1
8	2	7	63.5	1254		6.469788	
9	2	7	70.6	1673		6.763422	
10	1	7	86.8			7.737697	
11	2	7	61.1	1258		8.575855	
12	3	7	56.5	1583	1629	9.008558	
13	2	7	65.8	1951		10.347193	
14	1	7	76.4			10.623905	
15	1	7	80.6			11.444031	

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	91.4	1760		0.168447	1
1	1	14	66.5			1.951712	
2	2	14	86.0	1946		2.098653	
3	1	14	90.3			3.132260	
4	3	14	53.2	1107	1730	4.754127	
5	3	14	70.8	1245	1780	5.596817	
6	2	14	61.2	1075		6.624427	
7	2	14	63.3	1881		7.737274	
8	2	14	77.2	1219		8.149497	
9	2	14	60.8	1442		9.295262	
10	1	14	95.6			10.003879	
11	2	14	74.3	1662		11.136261	

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	13	98.5			0.514160	1
1	1	13	83.7			0.772549	
2	3	13	88.4	1696	1800	1.463712	
3	2	13	78.2	1344		2.732784	
4	3	13	64.1	1444	1739	3.303028	
5	1	13	74.6			3.594815	
6	3	13	84.9	1693	1668	4.471400	
7	1	13	69.7			5.591576	
8	3	13	53.4	1610	1825	5.900374	
9	2	13	74.7	1215		6.760046	
10	2	13	96.7	1494		7.480502	
11	1	13	91.8			7.851382	
12	2	13	63.8	1503		8.920543	
13	2	13	70.2	1948		9.392292	
14	3	13	80.7	1245	1780	10.470868	
15	2	13	59.8	1499		11.241362	
16	1	13	94.0			11.984454	

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	15	58.6	1518	1471	0.933241	1
1	1	15	94.2			1.391790	
2	2	15	78.0	1849		3.541743	
3	2	15	78.4	1823		4.449790	
4	1	15	56.9			5.401608	
5	2	15	78.9	1070		7.004430	
6	1	15	86.9			7.789009	
7	1	15	67.5			8.737345	
8	2	15	60.1	1570		10.165863	
9	2	15	64.7	1542		11.412291	

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	9	61.8	1658	1553	1.322020	1
1	2	9	95.0	1762		2.226366	
2	1	9	58.1			2.982559	
3	3	9	50.5	1348	1197	4.973764	
4	2	9	57.8	1808		6.521840	
5	2	9	70.6	1551		7.579845	
6	2	9	52.5	1068		8.619337	
7	2	9	58.5	1725		9.955201	
8	1	9	75.5			11.393717	

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	6	91.1	1067	1799	0.437748	1
1	3	6	71.8	1062	1358	0.850714	
2	2	6	65.3	1859		1.718407	
3	3	6	76.9	1089	1769	2.413545	
4	2	6	51.3	1420		3.047636	
5	1	6	81.3			4.345845	
6	2	6	77.3	1773		4.732925	
7	2	6	89.4	1964		5.884625	
8	2	6	61.6	1687		6.137109	
9	3	6	74.1	1971	1504	6.913830	
10	2	6	94.6	1745		8.092354	
11	2	6	92.0	1787		8.885548	
12	2	6	50.1	1715		9.542195	
13	1	6	75.6			9.851792	
14	1	6	91.9			10.523917	
15	2	6	69.2	1744		11.638465	

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	7	72.4			0.055640	
1	3	7	88.8	1307	1880	0.974346	
2	1	7	55.0			2.025881	
3	2	7	84.6	1620		2.669665	
4	1	7	72.1			3.348771	
5	2	7	61.4	1714		4.483043	
6	1	7	70.2			5.165008	
7	3	7	56.4	1384	1070	6.118077	1
8	2	7	73.4	1873		6.557652	
9	2	7	55.5	1638		7.276444	
10	2	7	66.3	1788		8.602942	
11	2	7	52.0	1783		9.264254	
12	2	7	83.7	1397		9.775841	
13	2	7	52.0	1152		10.650596	
14	2	7	82.6	1741		11.961797	

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	17	60.9	1783		0.346590	
1	2	17	68.6	1945		0.734099	
2	2	17	66.3	1481		1.272907	
3	2	17	72.9	1824		2.321414	
4	1	17	64.8			3.040037	
5	1	17	87.9			3.395568	
6	2	17	85.3	1880		4.065569	
7	2	17	66.4	1082		4.743651	
8	2	17	71.9	1209		5.618453	
9	2	17	88.4	1730		5.772933	1
10	2	17	52.6	1736		6.467317	
11	1	17	84.5			7.352838	
12	2	17	61.3	1874		7.858154	
13	3	17	79.1	1298	1566	8.689720	
14	1	17	54.2			9.282199	
15	2	17	63.7	1505		9.803465	
16	1	17	76.6			10.698826	
17	2	17	93.8	1817		11.067248	
18	3	17	84.5	1558	1898	11.989248	

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	5500.0	9	1.0	333	1	5632.0, 5651.0, 5576.0, 5610.0, 5434.0, 5642.0, 5649.0, 5377.0, 5505.0, 5572.0, 5452.0, 5266.0, 5646.0, 5553.0, 5523.0, 5292.0, 5618.0, 5588.0, 5446.0, 5587.0, 5494.0, 5297.0, 5626.0, 5603.0, 5538.0, 5299.0, 5366.0, 5548.0, 5605.0, 5635.0, 5410.0, 5620.0, 5482.0, 5672.0, 5660.0, 5578.0, 5363.0, 5540.0, 5332.0, 5513.0, 5638.0, 5414.0, 5406.0, 5282.0, 5533.0, 5684.0, 5595.0, 5475.0, 5569.0, 5374.0, 5470.0, 5707.0, 5327.0, 5316.0, 5559.0, 5364.0, 5490.0, 5267.0, 5615.0, 5543.0, 5688.0, 5645.0, 5413.0, 5275.0, 5361.0, 5666.0, 5537.0, 5367.0, 5719.0, 5399.0, 5721.0, 5269.0, 5442.0, 5489.0, 5653.0, 5422.0, 5687.0, 5380.0, 5424.0, 5574.0, 5658.0, 5488.0, 5416.0, 5271.0, 5627.0, 5252.0, 5599.0, 5713.0, 5558.0, 5461.0, 5417.0, 5705.0, 5469.0, 5591.0, 5409.0, 5671.0, 5334.0, 5421.0, 5328.0, 5431.0 (number of hits: 2)
2	5500.0	9	1.0	333	1	5648.0, 5462.0, 5252.0, 5257.0, 5414.0, 5606.0, 5353.0, 5432.0, 5292.0, 5673.0, 5286.0, 5341.0, 5263.0, 5714.0, 5474.0, 5282.0, 5289.0, 5451.0, 5581.0, 5691.0, 5439.0, 5378.0, 5357.0, 5722.0, 5327.0, 5649.0, 5342.0, 5488.0, 5655.0, 5539.0, 5325.0, 5464.0, 5674.0, 5390.0, 5572.0, 5584.0, 5703.0, 5279.0, 5619.0, 5713.0, 5720.0, 5523.0, 5367.0, 5684.0, 5592.0, 5254.0, 5348.0, 5300.0, 5446.0, 5319.0, 5631.0, 5374.0, 5261.0, 5360.0, 5354.0, 5613.0, 5548.0, 5598.0, 5278.0, 5499.0, 5369.0, 5570.0, 5277.0, 5471.0, 5440.0, 5520.0, 5317.0, 5496.0, 5404.0, 5526.0, 5356.0, 5387.0, 5671.0, 5614.0, 5401.0, 5616.0, 5675.0, 5615.0, 5578.0, 5381.0, 5363.0, 5352.0, 5586.0, 5678.0, 5437.0, 5512.0, 5587.0, 5478.0, 5535.0, 5711.0, 5280.0, 5677.0, 5351.0, 5569.0, 5408.0, 5309.0, 5692.0, 5700.0, 5650.0, 5541.0 (number of hits: 2)
3	5500.0	9	1.0	333	1	5709.0, 5669.0, 5373.0, 5565.0, 5508.0, 5528.0, 5505.0, 5647.0, 5418.0, 5615.0, 5277.0, 5698.0, 5689.0, 5502.0, 5710.0, 5604.0, 5461.0, 5575.0, 5367.0, 5612.0, 5675.0, 5438.0, 5609.0, 5340.0, 5422.0, 5290.0, 5475.0, 5515.0, 5318.0, 5645.0, 5654.0, 5506.0, 5582.0, 5631.0, 5567.0, 5556.0, 5396.0, 5365.0, 5652.0, 5403.0, 5411.0, 5263.0, 5545.0, 5456.0, 5380.0, 5607.0, 5468.0, 5376.0, 5648.0, 5717.0, 5276.0, 5587.0, 5459.0, 5413.0, 5272.0, 5679.0, 5477.0, 5495.0, 5655.0, 5324.0, 5544.0, 5600.0, 5370.0, 5287.0, 5585.0, 5395.0, 5311.0, 5718.0, 5621.0, 5410.0, 5714.0, 5347.0, 5282.0, 5419.0, 5281.0,

						5577.0, 5424.0, 5555.0, 5285.0, 5401.0, 5690.0, 5308.0, 5414.0, 5448.0, 5697.0, 5372.0, 5634.0, 5605.0, 5303.0, 5594.0, 5254.0, 5491.0, 5628.0, 5443.0, 5472.0, 5288.0, 5404.0, 5407.0, 5305.0, 5328.0 (number of hits: 4)
4	5500.0	9	1.0	333	1	5494.0, 5256.0, 5565.0, 5365.0, 5702.0, 5664.0, 5617.0, 5706.0, 5427.0, 5473.0, 5277.0, 5341.0, 5633.0, 5305.0, 5408.0, 5492.0, 5598.0, 5426.0, 5534.0, 5431.0, 5592.0, 5291.0, 5526.0, 5659.0, 5584.0, 5606.0, 5677.0, 5329.0, 5716.0, 5407.0, 5267.0, 5669.0, 5587.0, 5424.0, 5284.0, 5636.0, 5530.0, 5616.0, 5542.0, 5438.0, 5312.0, 5588.0, 5389.0, 5279.0, 5465.0, 5504.0, 5446.0, 5515.0, 5626.0, 5317.0, 5650.0, 5522.0, 5589.0, 5538.0, 5644.0, 5506.0, 5439.0, 5498.0, 5647.0, 5625.0, 5342.0, 5508.0, 5469.0, 5563.0, 5350.0, 5272.0, 5292.0, 5276.0, 5711.0, 5316.0, 5631.0, 5278.0, 5704.0, 5336.0, 5294.0, 5686.0, 5414.0, 5665.0, 5374.0, 5274.0, 5400.0, 5471.0, 5701.0, 5697.0, 5259.0, 5442.0, 5444.0, 5296.0, 5422.0, 5474.0, 5705.0, 5679.0, 5487.0, 5548.0, 5547.0, 5652.0, 5545.0, 5638.0, 5355.0, 5635.0 (number of hits: 5)
5	5500.0	9	1.0	333	1	5564.0, 5342.0, 5391.0, 5430.0, 5548.0, 5290.0, 5591.0, 5424.0, 5281.0, 5528.0, 5405.0, 5627.0, 5613.0, 5312.0, 5709.0, 5359.0, 5599.0, 5645.0, 5695.0, 5268.0, 5298.0, 5259.0, 5477.0, 5467.0, 5671.0, 5361.0, 5626.0, 5629.0, 5379.0, 5491.0, 5428.0, 5521.0, 5387.0, 5348.0, 5621.0, 5501.0, 5261.0, 5701.0, 5657.0, 5687.0, 5587.0, 5693.0, 5714.0, 5677.0, 5524.0, 5335.0, 5659.0, 5465.0, 5308.0, 5368.0, 5286.0, 5297.0, 5507.0, 5488.0, 5331.0, 5527.0, 5682.0, 5314.0, 5296.0, 5343.0, 5271.0, 5529.0, 5592.0, 5623.0, 5447.0, 5545.0, 5509.0, 5473.0, 5519.0, 5669.0, 5469.0, 5670.0, 5585.0, 5634.0, 5385.0, 5431.0, 5628.0, 5674.0, 5458.0, 5588.0, 5360.0, 5618.0, 5480.0, 5295.0, 5325.0, 5636.0, 5608.0, 5553.0, 5284.0, 5275.0, 5402.0, 5283.0, 5442.0, 5617.0, 5407.0, 5596.0, 5470.0, 5593.0, 5612.0, 5370.0 (number of hits: 2)
6	5505.0	9	1.0	333	1	5721.0, 5374.0, 5527.0, 5705.0, 5570.0, 5339.0, 5663.0, 5648.0, 5688.0, 5346.0, 5468.0, 5416.0, 5266.0, 5484.0, 5314.0, 5551.0, 5700.0, 5703.0, 5286.0, 5641.0, 5349.0, 5619.0, 5607.0, 5361.0, 5623.0, 5450.0, 5396.0, 5528.0, 5336.0, 5288.0, 5521.0, 5307.0, 5257.0, 5411.0, 5605.0, 5599.0, 5370.0, 5678.0, 5337.0, 5330.0, 5435.0, 5724.0, 5628.0, 5554.0, 5514.0, 5632.0, 5587.0, 5324.0, 5455.0, 5408.0, 5492.0, 5625.0, 5348.0, 5716.0, 5270.0, 5430.0, 5568.0, 5373.0, 5281.0, 5595.0, 5615.0, 5422.0, 5333.0, 5310.0, 5345.0, 5556.0, 5679.0, 5538.0, 5375.0, 5562.0,

						5470.0, 5321.0, 5417.0, 5560.0, 5303.0, 5522.0, 5691.0, 5695.0, 5567.0, 5368.0, 5606.0, 5708.0, 5263.0, 5309.0, 5674.0, 5608.0, 5261.0, 5279.0, 5653.0, 5407.0, 5479.0, 5384.0, 5426.0, 5376.0, 5380.0, 5686.0, 5697.0, 5273.0, 5575.0, 5504.0 (number of hits: 1)
7	5505.0	9	1.0	333	1	5460.0, 5719.0, 5436.0, 5435.0, 5656.0, 5599.0, 5641.0, 5420.0, 5624.0, 5678.0, 5322.0, 5504.0, 5316.0, 5559.0, 5677.0, 5670.0, 5541.0, 5572.0, 5326.0, 5446.0, 5320.0, 5409.0, 5488.0, 5552.0, 5534.0, 5536.0, 5589.0, 5694.0, 5539.0, 5568.0, 5374.0, 5569.0, 5355.0, 5654.0, 5597.0, 5482.0, 5288.0, 5499.0, 5440.0, 5590.0, 5644.0, 5497.0, 5708.0, 5379.0, 5337.0, 5469.0, 5443.0, 5354.0, 5524.0, 5578.0, 5275.0, 5307.0, 5718.0, 5308.0, 5300.0, 5341.0, 5528.0, 5449.0, 5276.0, 5426.0, 5491.0, 5594.0, 5579.0, 5430.0, 5584.0, 5503.0, 5309.0, 5543.0, 5712.0, 5512.0, 5366.0, 5393.0, 5628.0, 5451.0, 5605.0, 5546.0, 5660.0, 5317.0, 5680.0, 5422.0, 5289.0, 5695.0, 5509.0, 5416.0, 5514.0, 5721.0, 5662.0, 5348.0, 5475.0, 5496.0, 5631.0, 5265.0, 5653.0, 5652.0, 5251.0, 5570.0, 5411.0, 5473.0, 5588.0, 5301.0 (number of hits: 7)
8	5505.0	9	1.0	333	1	5539.0, 5490.0, 5383.0, 5332.0, 5282.0, 5429.0, 5368.0, 5268.0, 5556.0, 5661.0, 5345.0, 5364.0, 5583.0, 5361.0, 5338.0, 5589.0, 5283.0, 5585.0, 5647.0, 5542.0, 5457.0, 5562.0, 5624.0, 5620.0, 5694.0, 5369.0, 5285.0, 5458.0, 5333.0, 5261.0, 5262.0, 5688.0, 5276.0, 5275.0, 5666.0, 5462.0, 5405.0, 5571.0, 5616.0, 5533.0, 5534.0, 5537.0, 5707.0, 5473.0, 5511.0, 5609.0, 5442.0, 5394.0, 5517.0, 5553.0, 5597.0, 5272.0, 5301.0, 5500.0, 5641.0, 5628.0, 5351.0, 5546.0, 5685.0, 5705.0, 5655.0, 5698.0, 5481.0, 5381.0, 5699.0, 5686.0, 5704.0, 5684.0, 5348.0, 5524.0, 5393.0, 5291.0, 5670.0, 5296.0, 5308.0, 5408.0, 5418.0, 5309.0, 5502.0, 5355.0, 5416.0, 5692.0, 5335.0, 5461.0, 5316.0, 5602.0, 5719.0, 5340.0, 5440.0, 5667.0, 5384.0, 5557.0, 5293.0, 5422.0, 5469.0, 5400.0, 5260.0, 5326.0, 5436.0, 5512.0 (number of hits: 4)
9	5505.0	9	1.0	333	1	5309.0, 5617.0, 5293.0, 5545.0, 5534.0, 5597.0, 5261.0, 5674.0, 5632.0, 5332.0, 5530.0, 5703.0, 5580.0, 5595.0, 5707.0, 5697.0, 5638.0, 5412.0, 5581.0, 5449.0, 5399.0, 5277.0, 5415.0, 5619.0, 5558.0, 5414.0, 5490.0, 5359.0, 5543.0, 5450.0, 5609.0, 5579.0, 5594.0, 5255.0, 5395.0, 5272.0, 5642.0, 5273.0, 5328.0, 5461.0, 5662.0, 5621.0, 5633.0, 5549.0, 5603.0, 5254.0, 5260.0, 5455.0, 5386.0, 5612.0, 5598.0, 5652.0, 5385.0, 5280.0, 5284.0, 5551.0, 5289.0, 5688.0, 5518.0, 5469.0, 5553.0, 5704.0, 5560.0, 5656.0, 5606.0,

						5497.0, 5651.0, 5712.0, 5681.0, 5556.0, 5717.0, 5302.0, 5700.0, 5460.0, 5538.0, 5438.0, 5607.0, 5420.0, 5706.0, 5265.0, 5641.0, 5334.0, 5282.0, 5470.0, 5314.0, 5263.0, 5631.0, 5503.0, 5645.0, 5478.0, 5398.0, 5505.0, 5679.0, 5539.0, 5710.0, 5670.0, 5640.0, 5370.0, 5429.0, 5691.0 (number of hits: 3)
10	5505.0	9	1.0	333	1	5463.0, 5593.0, 5350.0, 5518.0, 5471.0, 5294.0, 5446.0, 5711.0, 5426.0, 5475.0, 5678.0, 5335.0, 5611.0, 5592.0, 5679.0, 5589.0, 5591.0, 5722.0, 5390.0, 5375.0, 5499.0, 5563.0, 5608.0, 5418.0, 5676.0, 5295.0, 5583.0, 5568.0, 5647.0, 5511.0, 5721.0, 5662.0, 5429.0, 5690.0, 5403.0, 5531.0, 5629.0, 5543.0, 5260.0, 5488.0, 5673.0, 5302.0, 5566.0, 5541.0, 5376.0, 5358.0, 5527.0, 5565.0, 5363.0, 5655.0, 5715.0, 5699.0, 5632.0, 5641.0, 5649.0, 5365.0, 5704.0, 5440.0, 5486.0, 5396.0, 5724.0, 5307.0, 5360.0, 5442.0, 5671.0, 5604.0, 5660.0, 5487.0, 5480.0, 5616.0, 5613.0, 5331.0, 5310.0, 5628.0, 5332.0, 5700.0, 5391.0, 5349.0, 5567.0, 5273.0, 5333.0, 5356.0, 5308.0, 5576.0, 5470.0, 5437.0, 5528.0, 5493.0, 5492.0, 5653.0, 5255.0, 5540.0, 5312.0, 5284.0, 5517.0, 5723.0, 5512.0, 5557.0, 5658.0, 5343.0 (number of hits: 3)
11	5495.0	9	1.0	333	1	5492.0, 5295.0, 5559.0, 5637.0, 5660.0, 5648.0, 5365.0, 5711.0, 5473.0, 5547.0, 5401.0, 5506.0, 5358.0, 5278.0, 5542.0, 5449.0, 5659.0, 5673.0, 5386.0, 5566.0, 5307.0, 5423.0, 5528.0, 5392.0, 5696.0, 5383.0, 5327.0, 5599.0, 5256.0, 5305.0, 5373.0, 5410.0, 5285.0, 5657.0, 5346.0, 5503.0, 5708.0, 5268.0, 5618.0, 5480.0, 5258.0, 5418.0, 5552.0, 5385.0, 5663.0, 5536.0, 5607.0, 5420.0, 5722.0, 5463.0, 5494.0, 5266.0, 5499.0, 5377.0, 5638.0, 5355.0, 5300.0, 5682.0, 5700.0, 5554.0, 5692.0, 5693.0, 5399.0, 5508.0, 5356.0, 5649.0, 5312.0, 5538.0, 5560.0, 5333.0, 5667.0, 5342.0, 5526.0, 5464.0, 5403.0, 5340.0, 5709.0, 5469.0, 5557.0, 5375.0, 5294.0, 5262.0, 5633.0, 5443.0, 5298.0, 5691.0, 5264.0, 5350.0, 5587.0, 5580.0, 5665.0, 5523.0, 5540.0, 5589.0, 5348.0, 5581.0, 5719.0, 5363.0, 5548.0, 5446.0 (number of hits: 4)
12	5495.0	9	1.0	333	1	5304.0, 5338.0, 5344.0, 5652.0, 5607.0, 5523.0, 5284.0, 5633.0, 5670.0, 5474.0, 5610.0, 5354.0, 5478.0, 5553.0, 5300.0, 5393.0, 5616.0, 5309.0, 5396.0, 5360.0, 5544.0, 5444.0, 5348.0, 5653.0, 5450.0, 5397.0, 5608.0, 5720.0, 5415.0, 5649.0, 5543.0, 5430.0, 5567.0, 5707.0, 5549.0, 5308.0, 5314.0, 5687.0, 5433.0, 5428.0, 5377.0, 5689.0, 5547.0, 5352.0, 5437.0, 5316.0, 5326.0, 5647.0, 5488.0, 5477.0, 5526.0, 5515.0, 5480.0, 5431.0, 5283.0, 5565.0, 5269.0, 5512.0, 5714.0, 5281.0,

						5274.0, 5472.0, 5277.0, 5629.0, 5372.0, 5546.0, 5312.0, 5295.0, 5627.0, 5697.0, 5614.0, 5618.0, 5461.0, 5595.0, 5371.0, 5446.0, 5638.0, 5539.0, 5712.0, 5285.0, 5510.0, 5434.0, 5519.0, 5290.0, 5273.0, 5704.0, 5356.0, 5410.0, 5619.0, 5578.0, 5599.0, 5471.0, 5359.0, 5537.0, 5306.0, 5588.0, 5479.0, 5708.0, 5590.0, 5639.0 (number of hits: 1)
13	5495.0	9	1.0	333	1	5673.0, 5477.0, 5502.0, 5456.0, 5590.0, 5448.0, 5584.0, 5564.0, 5667.0, 5372.0, 5253.0, 5326.0, 5382.0, 5302.0, 5275.0, 5286.0, 5712.0, 5267.0, 5694.0, 5383.0, 5633.0, 5523.0, 5468.0, 5333.0, 5658.0, 5257.0, 5501.0, 5566.0, 5556.0, 5419.0, 5678.0, 5455.0, 5715.0, 5440.0, 5689.0, 5415.0, 5621.0, 5437.0, 5622.0, 5637.0, 5335.0, 5494.0, 5264.0, 5349.0, 5328.0, 5702.0, 5467.0, 5331.0, 5681.0, 5527.0, 5518.0, 5620.0, 5254.0, 5664.0, 5350.0, 5651.0, 5716.0, 5384.0, 5446.0, 5514.0, 5305.0, 5563.0, 5375.0, 5369.0, 5713.0, 5691.0, 5624.0, 5540.0, 5491.0, 5261.0, 5371.0, 5339.0, 5435.0, 5293.0, 5717.0, 5378.0, 5599.0, 5598.0, 5552.0, 5309.0, 5443.0, 5671.0, 5588.0, 5630.0, 5628.0, 5592.0, 5707.0, 5498.0, 5441.0, 5341.0, 5585.0, 5503.0, 5427.0, 5418.0, 5402.0, 5452.0, 5442.0, 5504.0, 5534.0, 5698.0 (number of hits: 6)
14	5495.0	9	1.0	333	1	5397.0, 5441.0, 5461.0, 5580.0, 5331.0, 5342.0, 5560.0, 5575.0, 5319.0, 5601.0, 5460.0, 5611.0, 5517.0, 5281.0, 5485.0, 5463.0, 5705.0, 5480.0, 5491.0, 5412.0, 5578.0, 5304.0, 5251.0, 5389.0, 5255.0, 5542.0, 5390.0, 5673.0, 5562.0, 5472.0, 5522.0, 5324.0, 5554.0, 5610.0, 5501.0, 5396.0, 5406.0, 5652.0, 5348.0, 5558.0, 5589.0, 5658.0, 5505.0, 5543.0, 5322.0, 5568.0, 5429.0, 5617.0, 5280.0, 5404.0, 5647.0, 5314.0, 5635.0, 5477.0, 5262.0, 5448.0, 5623.0, 5698.0, 5270.0, 5306.0, 5533.0, 5712.0, 5465.0, 5476.0, 5423.0, 5681.0, 5468.0, 5539.0, 5290.0, 5326.0, 5398.0, 5340.0, 5446.0, 5459.0, 5403.0, 5438.0, 5633.0, 5269.0, 5301.0, 5393.0, 5499.0, 5557.0, 5357.0, 5700.0, 5284.0, 5512.0, 5569.0, 5392.0, 5451.0, 5579.0, 5443.0, 5287.0, 5564.0, 5379.0, 5353.0, 5514.0, 5626.0, 5478.0, 5527.0, 5256.0 (number of hits: 3)
15	5495.0	9	1.0	333	1	5610.0, 5630.0, 5653.0, 5472.0, 5582.0, 5494.0, 5267.0, 5273.0, 5555.0, 5337.0, 5390.0, 5514.0, 5450.0, 5634.0, 5483.0, 5415.0, 5491.0, 5271.0, 5281.0, 5477.0, 5345.0, 5540.0, 5357.0, 5368.0, 5471.0, 5254.0, 5651.0, 5355.0, 5300.0, 5587.0, 5454.0, 5723.0, 5650.0, 5268.0, 5313.0, 5522.0, 5590.0, 5489.0, 5274.0, 5664.0, 5681.0, 5327.0, 5348.0, 5428.0, 5615.0, 5631.0, 5710.0, 5420.0, 5687.0, 5325.0, 5589.0, 5568.0, 5692.0, 5617.0, 5333.0,

						5436.0, 5460.0, 5711.0, 5371.0, 5662.0, 5479.0, 5440.0, 5550.0, 5466.0, 5387.0, 5583.0, 5303.0, 5570.0, 5264.0, 5283.0, 5652.0, 5532.0, 5465.0, 5288.0, 5578.0, 5324.0, 5574.0, 5286.0, 5445.0, 5310.0, 5395.0, 5496.0, 5669.0, 5526.0, 5393.0, 5297.0, 5252.0, 5425.0, 5439.0, 5469.0, 5282.0, 5284.0, 5331.0, 5433.0, 5498.0, 5459.0, 5394.0, 5326.0, 5647.0, 5704.0 (number of hits: 5)
16	5498.0	9	1.0	333	1	5588.0, 5683.0, 5548.0, 5539.0, 5265.0, 5340.0, 5446.0, 5524.0, 5557.0, 5452.0, 5473.0, 5716.0, 5444.0, 5392.0, 5296.0, 5553.0, 5252.0, 5612.0, 5337.0, 5582.0, 5262.0, 5585.0, 5411.0, 5409.0, 5504.0, 5610.0, 5600.0, 5704.0, 5721.0, 5676.0, 5556.0, 5652.0, 5358.0, 5393.0, 5470.0, 5579.0, 5686.0, 5648.0, 5421.0, 5505.0, 5359.0, 5267.0, 5460.0, 5464.0, 5353.0, 5405.0, 5449.0, 5693.0, 5385.0, 5448.0, 5571.0, 5312.0, 5715.0, 5565.0, 5584.0, 5595.0, 5525.0, 5629.0, 5723.0, 5375.0, 5684.0, 5698.0, 5617.0, 5330.0, 5366.0, 5495.0, 5333.0, 5507.0, 5506.0, 5503.0, 5602.0, 5653.0, 5713.0, 5455.0, 5468.0, 5635.0, 5577.0, 5261.0, 5538.0, 5325.0, 5485.0, 5594.0, 5624.0, 5558.0, 5373.0, 5494.0, 5562.0, 5609.0, 5544.0, 5327.0, 5708.0, 5306.0, 5259.0, 5461.0, 5601.0, 5428.0, 5288.0, 5374.0, 5425.0, 5581.0 (number of hits: 5)
17	5498.0	9	1.0	333	1	5365.0, 5283.0, 5485.0, 5572.0, 5549.0, 5336.0, 5652.0, 5436.0, 5375.0, 5302.0, 5306.0, 5393.0, 5550.0, 5613.0, 5503.0, 5309.0, 5463.0, 5681.0, 5297.0, 5630.0, 5595.0, 5673.0, 5479.0, 5322.0, 5418.0, 5601.0, 5278.0, 5403.0, 5693.0, 5472.0, 5644.0, 5506.0, 5277.0, 5331.0, 5328.0, 5565.0, 5360.0, 5284.0, 5642.0, 5545.0, 5486.0, 5264.0, 5656.0, 5634.0, 5312.0, 5501.0, 5359.0, 5548.0, 5647.0, 5255.0, 5674.0, 5497.0, 5707.0, 5659.0, 5301.0, 5581.0, 5398.0, 5449.0, 5254.0, 5441.0, 5631.0, 5535.0, 5691.0, 5685.0, 5372.0, 5320.0, 5586.0, 5606.0, 5456.0, 5587.0, 5706.0, 5314.0, 5715.0, 5689.0, 5296.0, 5404.0, 5678.0, 5533.0, 5583.0, 5502.0, 5454.0, 5499.0, 5667.0, 5576.0, 5593.0, 5496.0, 5515.0, 5390.0, 5710.0, 5282.0, 5467.0, 5325.0, 5653.0, 5564.0, 5540.0, 5692.0, 5478.0, 5536.0, 5500.0, 5303.0 (number of hits: 7)
18	5498.0	9	1.0	333	1	5681.0, 5636.0, 5619.0, 5364.0, 5634.0, 5506.0, 5261.0, 5266.0, 5663.0, 5508.0, 5331.0, 5711.0, 5603.0, 5334.0, 5614.0, 5379.0, 5395.0, 5543.0, 5446.0, 5360.0, 5279.0, 5694.0, 5425.0, 5686.0, 5587.0, 5653.0, 5512.0, 5560.0, 5556.0, 5386.0, 5703.0, 5476.0, 5657.0, 5673.0, 5573.0, 5538.0, 5529.0, 5662.0, 5689.0, 5323.0, 5545.0, 5591.0, 5698.0, 5329.0, 5454.0, 5607.0, 5290.0, 5473.0, 5337.0, 5520.0,

						5310.0, 5269.0, 5263.0, 5350.0, 5251.0, 5656.0, 5477.0, 5630.0, 5423.0, 5367.0, 5393.0, 5442.0, 5330.0, 5376.0, 5651.0, 5456.0, 5705.0, 5399.0, 5294.0, 5448.0, 5583.0, 5293.0, 5620.0, 5582.0, 5555.0, 5539.0, 5606.0, 5641.0, 5258.0, 5396.0, 5374.0, 5346.0, 5472.0, 5654.0, 5417.0, 5381.0, 5699.0, 5421.0, 5315.0, 5303.0, 5669.0, 5406.0, 5320.0, 5596.0, 5710.0, 5427.0, 5544.0, 5599.0, 5404.0, 5492.0 (number of hits: 1)
19	5498.0	9	1.0	333	1	5596.0, 5380.0, 5491.0, 5251.0, 5332.0, 5529.0, 5607.0, 5378.0, 5606.0, 5657.0, 5302.0, 5675.0, 5638.0, 5427.0, 5604.0, 5311.0, 5682.0, 5260.0, 5397.0, 5365.0, 5680.0, 5382.0, 5618.0, 5413.0, 5490.0, 5676.0, 5468.0, 5417.0, 5614.0, 5591.0, 5551.0, 5573.0, 5326.0, 5258.0, 5273.0, 5684.0, 5615.0, 5673.0, 5305.0, 5282.0, 5433.0, 5292.0, 5284.0, 5252.0, 5710.0, 5535.0, 5691.0, 5454.0, 5569.0, 5390.0, 5339.0, 5300.0, 5534.0, 5520.0, 5345.0, 5447.0, 5250.0, 5358.0, 5653.0, 5420.0, 5414.0, 5257.0, 5341.0, 5613.0, 5647.0, 5469.0, 5581.0, 5557.0, 5457.0, 5681.0, 5554.0, 5290.0, 5525.0, 5649.0, 5537.0, 5444.0, 5559.0, 5312.0, 5351.0, 5336.0, 5360.0, 5463.0, 5467.0, 5297.0, 5628.0, 5318.0, 5398.0, 5484.0, 5544.0, 5575.0, 5280.0, 5660.0, 5434.0, 5366.0, 5629.0, 5561.0, 5375.0, 5552.0, 5481.0, 5600.0 (number of hits: 2)
20	5498.0	9	1.0	333	1	5685.0, 5256.0, 5544.0, 5437.0, 5576.0, 5366.0, 5432.0, 5450.0, 5656.0, 5474.0, 5297.0, 5517.0, 5481.0, 5626.0, 5622.0, 5385.0, 5470.0, 5645.0, 5543.0, 5355.0, 5657.0, 5640.0, 5435.0, 5258.0, 5465.0, 5446.0, 5616.0, 5472.0, 5269.0, 5664.0, 5458.0, 5374.0, 5579.0, 5589.0, 5502.0, 5293.0, 5418.0, 5266.0, 5444.0, 5693.0, 5341.0, 5311.0, 5555.0, 5689.0, 5286.0, 5583.0, 5697.0, 5686.0, 5334.0, 5680.0, 5484.0, 5545.0, 5425.0, 5325.0, 5599.0, 5534.0, 5719.0, 5699.0, 5541.0, 5567.0, 5365.0, 5572.0, 5700.0, 5624.0, 5294.0, 5276.0, 5364.0, 5340.0, 5505.0, 5507.0, 5501.0, 5504.0, 5335.0, 5414.0, 5408.0, 5291.0, 5426.0, 5333.0, 5315.0, 5575.0, 5641.0, 5423.0, 5647.0, 5654.0, 5625.0, 5596.0, 5354.0, 5529.0, 5401.0, 5362.0, 5611.0, 5382.0, 5390.0, 5251.0, 5376.0, 5671.0, 5580.0, 5282.0, 5253.0, 5674.0 (number of hits: 4)
21	5502.0	9	1.0	333	1	5313.0, 5497.0, 5274.0, 5352.0, 5415.0, 5646.0, 5341.0, 5542.0, 5651.0, 5455.0, 5566.0, 5317.0, 5434.0, 5393.0, 5344.0, 5266.0, 5318.0, 5436.0, 5585.0, 5324.0, 5309.0, 5258.0, 5486.0, 5702.0, 5537.0, 5519.0, 5710.0, 5262.0, 5281.0, 5541.0, 5698.0, 5419.0, 5586.0, 5487.0, 5623.0, 5539.0, 5357.0, 5553.0, 5576.0, 5348.0, 5424.0, 5488.0, 5296.0, 5555.0, 5484.0,

						5643.0, 5464.0, 5689.0, 5458.0, 5431.0, 5690.0, 5662.0, 5410.0, 5378.0, 5716.0, 5261.0, 5412.0, 5691.0, 5467.0, 5571.0, 5503.0, 5389.0, 5260.0, 5614.0, 5264.0, 5489.0, 5327.0, 5622.0, 5449.0, 5473.0, 5515.0, 5257.0, 5667.0, 5406.0, 5286.0, 5303.0, 5495.0, 5366.0, 5276.0, 5404.0, 5565.0, 5660.0, 5602.0, 5720.0, 5630.0, 5306.0, 5634.0, 5591.0, 5421.0, 5706.0, 5470.0, 5462.0, 5713.0, 5447.0, 5465.0, 5308.0, 5490.0, 5445.0, 5578.0, 5482.0 (number of hits: 3)
22	5502.0	9	1.0	333	1	5549.0, 5474.0, 5615.0, 5288.0, 5691.0, 5552.0, 5359.0, 5688.0, 5623.0, 5614.0, 5631.0, 5641.0, 5362.0, 5561.0, 5325.0, 5454.0, 5542.0, 5350.0, 5716.0, 5592.0, 5683.0, 5416.0, 5514.0, 5332.0, 5462.0, 5314.0, 5509.0, 5570.0, 5329.0, 5438.0, 5612.0, 5376.0, 5581.0, 5604.0, 5490.0, 5723.0, 5301.0, 5617.0, 5523.0, 5420.0, 5261.0, 5344.0, 5682.0, 5484.0, 5367.0, 5264.0, 5546.0, 5531.0, 5535.0, 5481.0, 5394.0, 5515.0, 5418.0, 5502.0, 5464.0, 5600.0, 5536.0, 5370.0, 5500.0, 5471.0, 5259.0, 5358.0, 5389.0, 5712.0, 5303.0, 5461.0, 5672.0, 5551.0, 5322.0, 5492.0, 5724.0, 5684.0, 5353.0, 5381.0, 5658.0, 5706.0, 5473.0, 5624.0, 5711.0, 5687.0, 5293.0, 5260.0, 5439.0, 5714.0, 5262.0, 5713.0, 5622.0, 5377.0, 5708.0, 5544.0, 5430.0, 5697.0, 5341.0, 5486.0, 5591.0, 5410.0, 5710.0, 5254.0, 5640.0, 5402.0 (number of hits: 3)
23	5502.0	9	1.0	333	1	5440.0, 5495.0, 5489.0, 5714.0, 5544.0, 5304.0, 5661.0, 5632.0, 5583.0, 5262.0, 5480.0, 5253.0, 5509.0, 5577.0, 5678.0, 5698.0, 5437.0, 5324.0, 5287.0, 5504.0, 5377.0, 5662.0, 5568.0, 5337.0, 5566.0, 5519.0, 5638.0, 5552.0, 5488.0, 5500.0, 5620.0, 5357.0, 5578.0, 5472.0, 5533.0, 5589.0, 5378.0, 5546.0, 5407.0, 5349.0, 5537.0, 5668.0, 5419.0, 5359.0, 5453.0, 5520.0, 5439.0, 5250.0, 5571.0, 5581.0, 5458.0, 5296.0, 5513.0, 5449.0, 5606.0, 5548.0, 5412.0, 5457.0, 5542.0, 5701.0, 5645.0, 5302.0, 5682.0, 5446.0, 5685.0, 5576.0, 5713.0, 5675.0, 5424.0, 5443.0, 5325.0, 5599.0, 5561.0, 5555.0, 5639.0, 5557.0, 5354.0, 5491.0, 5647.0, 5471.0, 5373.0, 5395.0, 5380.0, 5527.0, 5641.0, 5473.0, 5479.0, 5562.0, 5664.0, 5637.0, 5482.0, 5255.0, 5408.0, 5300.0, 5485.0, 5390.0, 5374.0, 5444.0, 5586.0, 5666.0 (number of hits: 4)
24	5502.0	9	1.0	333	1	5347.0, 5444.0, 5335.0, 5442.0, 5577.0, 5482.0, 5415.0, 5700.0, 5325.0, 5561.0, 5645.0, 5651.0, 5674.0, 5632.0, 5677.0, 5336.0, 5704.0, 5486.0, 5509.0, 5296.0, 5372.0, 5268.0, 5381.0, 5576.0, 5388.0, 5436.0, 5659.0, 5332.0, 5430.0, 5546.0, 5656.0, 5684.0, 5654.0, 5666.0, 5495.0, 5485.0, 5258.0, 5404.0, 5568.0, 5532.0,

						5330.0, 5354.0, 5406.0, 5481.0, 5429.0, 5367.0, 5333.0, 5689.0, 5555.0, 5443.0, 5399.0, 5518.0, 5383.0, 5709.0, 5339.0, 5690.0, 5528.0, 5496.0, 5334.0, 5273.0, 5587.0, 5641.0, 5329.0, 5454.0, 5676.0, 5310.0, 5545.0, 5348.0, 5702.0, 5445.0, 5302.0, 5451.0, 5699.0, 5353.0, 5562.0, 5320.0, 5446.0, 5377.0, 5693.0, 5278.0, 5269.0, 5611.0, 5361.0, 5574.0, 5572.0, 5287.0, 5691.0, 5560.0, 5453.0, 5591.0, 5715.0, 5670.0, 5625.0, 5371.0, 5290.0, 5531.0, 5640.0, 5605.0, 5630.0, 5448.0 (number of hits: 3)
25	5502.0	9	1.0	333	1	5580.0, 5682.0, 5705.0, 5448.0, 5261.0, 5506.0, 5578.0, 5612.0, 5450.0, 5676.0, 5547.0, 5553.0, 5545.0, 5257.0, 5694.0, 5678.0, 5544.0, 5287.0, 5352.0, 5322.0, 5389.0, 5557.0, 5297.0, 5704.0, 5529.0, 5720.0, 5315.0, 5417.0, 5688.0, 5430.0, 5310.0, 5420.0, 5628.0, 5460.0, 5706.0, 5362.0, 5360.0, 5520.0, 5677.0, 5644.0, 5332.0, 5476.0, 5610.0, 5425.0, 5445.0, 5655.0, 5640.0, 5378.0, 5376.0, 5709.0, 5407.0, 5410.0, 5617.0, 5702.0, 5268.0, 5307.0, 5538.0, 5500.0, 5323.0, 5492.0, 5298.0, 5724.0, 5331.0, 5713.0, 5301.0, 5687.0, 5684.0, 5707.0, 5262.0, 5611.0, 5518.0, 5447.0, 5379.0, 5340.0, 5622.0, 5695.0, 5499.0, 5319.0, 5517.0, 5368.0, 5701.0, 5504.0, 5405.0, 5380.0, 5414.0, 5505.0, 5521.0, 5278.0, 5299.0, 5453.0, 5710.0, 5267.0, 5639.0, 5670.0, 5570.0, 5592.0, 5511.0, 5272.0, 5463.0, 5653.0 (number of hits: 5)
26	5507.0	9	1.0	333	1	5698.0, 5642.0, 5511.0, 5469.0, 5497.0, 5263.0, 5532.0, 5424.0, 5363.0, 5442.0, 5481.0, 5568.0, 5275.0, 5373.0, 5616.0, 5396.0, 5394.0, 5378.0, 5705.0, 5668.0, 5609.0, 5282.0, 5585.0, 5590.0, 5540.0, 5487.0, 5338.0, 5444.0, 5683.0, 5512.0, 5612.0, 5689.0, 5367.0, 5619.0, 5314.0, 5492.0, 5505.0, 5572.0, 5604.0, 5393.0, 5610.0, 5287.0, 5302.0, 5468.0, 5426.0, 5484.0, 5549.0, 5279.0, 5490.0, 5702.0, 5717.0, 5685.0, 5389.0, 5329.0, 5544.0, 5478.0, 5605.0, 5503.0, 5374.0, 5508.0, 5461.0, 5328.0, 5476.0, 5652.0, 5421.0, 5552.0, 5633.0, 5339.0, 5621.0, 5643.0, 5361.0, 5627.0, 5561.0, 5639.0, 5357.0, 5587.0, 5343.0, 5591.0, 5542.0, 5311.0, 5440.0, 5624.0, 5368.0, 5419.0, 5353.0, 5546.0, 5588.0, 5486.0, 5713.0, 5457.0, 5411.0, 5691.0, 5539.0, 5455.0, 5667.0, 5513.0, 5458.0, 5496.0, 5395.0, 5582.0 (number of hits: 6)
27	5507.0	9	1.0	333	1	5288.0, 5497.0, 5453.0, 5418.0, 5255.0, 5568.0, 5670.0, 5263.0, 5492.0, 5687.0, 5436.0, 5722.0, 5431.0, 5373.0, 5562.0, 5472.0, 5481.0, 5361.0, 5343.0, 5304.0, 5681.0, 5560.0, 5484.0, 5642.0, 5410.0, 5293.0, 5570.0, 5325.0, 5648.0, 5651.0, 5709.0, 5405.0, 5332.0, 5529.0, 5665.0,

						5317.0, 5493.0, 5573.0, 5320.0, 5711.0, 5567.0, 5465.0, 5714.0, 5478.0, 5251.0, 5605.0, 5449.0, 5643.0, 5365.0, 5612.0, 5677.0, 5345.0, 5503.0, 5502.0, 5516.0, 5366.0, 5583.0, 5358.0, 5462.0, 5282.0, 5706.0, 5555.0, 5691.0, 5708.0, 5553.0, 5489.0, 5517.0, 5596.0, 5272.0, 5571.0, 5636.0, 5673.0, 5565.0, 5580.0, 5296.0, 5526.0, 5508.0, 5276.0, 5667.0, 5327.0, 5637.0, 5375.0, 5305.0, 5662.0, 5641.0, 5387.0, 5668.0, 5269.0, 5652.0, 5592.0, 5333.0, 5533.0, 5495.0, 5593.0, 5694.0, 5417.0, 5546.0, 5430.0, 5499.0, 5413.0 (number of hits: 4)
28	5493.0	9	1.0	333	1	5662.0, 5444.0, 5294.0, 5720.0, 5293.0, 5266.0, 5340.0, 5711.0, 5607.0, 5509.0, 5717.0, 5349.0, 5359.0, 5704.0, 5393.0, 5550.0, 5500.0, 5579.0, 5317.0, 5458.0, 5573.0, 5502.0, 5277.0, 5253.0, 5395.0, 5425.0, 5382.0, 5518.0, 5440.0, 5655.0, 5494.0, 5677.0, 5471.0, 5581.0, 5517.0, 5724.0, 5413.0, 5587.0, 5582.0, 5539.0, 5282.0, 5538.0, 5438.0, 5285.0, 5563.0, 5362.0, 5558.0, 5346.0, 5580.0, 5694.0, 5283.0, 5329.0, 5403.0, 5548.0, 5555.0, 5705.0, 5715.0, 5660.0, 5574.0, 5311.0, 5280.0, 5564.0, 5404.0, 5683.0, 5531.0, 5600.0, 5612.0, 5510.0, 5365.0, 5407.0, 5556.0, 5429.0, 5319.0, 5519.0, 5712.0, 5261.0, 5671.0, 5417.0, 5584.0, 5399.0, 5622.0, 5491.0, 5297.0, 5505.0, 5699.0, 5257.0, 5347.0, 5419.0, 5482.0, 5625.0, 5664.0, 5516.0, 5602.0, 5673.0, 5489.0, 5450.0, 5424.0, 5368.0, 5721.0, 5656.0 (number of hits: 4)
29	5493.0	9	1.0	333	1	5664.0, 5458.0, 5255.0, 5389.0, 5613.0, 5701.0, 5606.0, 5638.0, 5683.0, 5271.0, 5346.0, 5451.0, 5559.0, 5484.0, 5263.0, 5659.0, 5617.0, 5301.0, 5291.0, 5406.0, 5379.0, 5717.0, 5504.0, 5287.0, 5266.0, 5349.0, 5398.0, 5423.0, 5627.0, 5584.0, 5481.0, 5390.0, 5686.0, 5468.0, 5359.0, 5439.0, 5662.0, 5295.0, 5668.0, 5508.0, 5325.0, 5560.0, 5303.0, 5462.0, 5517.0, 5357.0, 5306.0, 5658.0, 5319.0, 5428.0, 5672.0, 5572.0, 5708.0, 5366.0, 5564.0, 5533.0, 5330.0, 5254.0, 5350.0, 5526.0, 5329.0, 5641.0, 5605.0, 5656.0, 5289.0, 5689.0, 5490.0, 5604.0, 5637.0, 5318.0, 5441.0, 5521.0, 5415.0, 5308.0, 5274.0, 5513.0, 5294.0, 5304.0, 5574.0, 5292.0, 5270.0, 5500.0, 5630.0, 5514.0, 5653.0, 5424.0, 5312.0, 5704.0, 5666.0, 5718.0, 5404.0, 5499.0, 5282.0, 5616.0, 5337.0, 5494.0, 5380.0, 5575.0, 5675.0, 5535.0 (number of hits: 5)
30	5500.0	9	1.0	333	1	5618.0, 5535.0, 5440.0, 5718.0, 5513.0, 5606.0, 5660.0, 5511.0, 5577.0, 5538.0, 5338.0, 5710.0, 5669.0, 5352.0, 5369.0, 5486.0, 5635.0, 5509.0, 5717.0, 5716.0, 5452.0, 5261.0, 5593.0, 5657.0, 5348.0, 5373.0, 5292.0, 5554.0, 5604.0, 5559.0,

						5433.0, 5384.0, 5387.0, 5301.0, 5470.0, 5443.0, 5655.0, 5453.0, 5583.0, 5408.0, 5341.0, 5391.0, 5711.0, 5504.0, 5302.0, 5693.0, 5721.0, 5704.0, 5553.0, 5698.0, 5539.0, 5609.0, 5598.0, 5287.0, 5319.0, 5300.0, 5318.0, 5589.0, 5473.0, 5448.0, 5491.0, 5648.0, 5601.0, 5331.0, 5314.0, 5362.0, 5636.0, 5309.0, 5455.0, 5344.0, 5525.0, 5270.0, 5442.0, 5371.0, 5334.0, 5493.0, 5551.0, 5332.0, 5522.0, 5317.0, 5496.0, 5389.0, 5573.0, 5632.0, 5661.0, 5264.0, 5707.0, 5562.0, 5570.0, 5428.0, 5445.0, 5380.0, 5613.0, 5615.0, 5456.0, 5368.0, 5508.0, 5398.0, 5361.0, 5282.0 (number of hits: 3)

AP Mode
Iron Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	87.5 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	68	1.0	778	1
2	99	1.0	538	1
3	57	1.0	938	1
4	86	1.0	618	1
5	65	1.0	818	1
6	81	1.0	658	1
7	102	1.0	518	1
8	89	1.0	598	1
9	59	1.0	898	1
10	63	1.0	838	1
11	83	1.0	638	1
12	95	1.0	558	1
13	58	1.0	918	1
14	62	1.0	858	1
15	74	1.0	718	0
16	30	1.0	1819	1
17	19	1.0	2825	1
18	77	1.0	688	1
19	50	1.0	1069	1
20	25	1.0	2181	1
21	31	1.0	1743	1
22	19	1.0	2891	1
23	54	1.0	989	1
24	18	1.0	2977	1
25	42	1.0	1269	1
26	22	1.0	2465	1
27	23	1.0	2330	1
28	18	1.0	3011	1
29	19	1.0	2883	1
30	21	1.0	2567	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	23	3.7	191	1
2	27	4.1	230	1
3	28	3.4	219	0
4	29	3.5	164	1
5	25	2.6	226	1
6	26	1.1	211	1
7	24	3.9	225	1
8	24	2.0	156	1
9	29	2.6	226	1
10	27	2.3	154	1
11	28	1.1	209	1
12	24	1.1	165	1
13	27	4.1	191	1
14	26	1.3	215	1
15	29	3.8	199	1
16	27	5.0	192	1
17	26	1.5	227	1
18	23	3.7	218	0
19	24	2.3	206	1
20	23	4.6	193	1
21	28	2.3	202	1
22	25	1.2	158	1
23	29	4.3	200	1
24	28	1.5	186	1
25	27	4.1	165	1
26	27	1.1	193	1
27	26	3.8	173	1
28	24	3.5	223	1
29	24	4.4	183	0
30	25	4.0	191	1
Detection Percentage: 90 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	6.7	271	1
2	16	7.9	453	1
3	16	7.9	316	1
4	18	7.1	247	1
5	18	9.5	399	1
6	17	9.3	463	0
7	16	9.4	330	0
8	18	6.5	213	1
9	16	7.8	365	0
10	17	9.6	390	0
11	17	9.8	354	1
12	16	8.9	314	1
13	18	7.5	299	1
14	18	6.3	323	0
15	17	7.6	278	1
16	17	10.0	234	1
17	16	8.6	204	1
18	16	7.6	286	1
19	17	8.9	495	1
20	18	9.6	418	1
21	17	10.0	417	1
22	16	7.7	287	1
23	16	8.0	252	1
24	16	8.3	223	1
25	17	8.5	209	0
26	18	9.7	346	1
27	16	8.8	236	1
28	17	6.3	327	1
29	16	7.2	216	1
30	16	9.9	440	1
Detection Percentage: 80 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	19.8	216	1
2	13	11.6	483	1
3	16	11.6	439	1
4	12	14.3	398	1
5	15	12.1	348	1
6	15	18.5	369	1
7	13	12.1	365	0
8	14	13.7	440	1
9	16	16.9	297	1
10	16	17.3	417	1
11	13	11.9	250	1
12	14	15.4	406	0
13	14	12.6	248	1
14	14	11.7	336	1
15	14	11.4	390	1
16	15	14.8	435	1
17	16	18.5	292	1
18	13	12.4	224	1
19	13	13.9	500	1
20	15	12.7	306	1
21	15	11.7	393	1
22	16	16.0	250	0
23	13	17.8	321	1
24	15	17.5	253	1
25	15	14.5	221	1
26	14	14.3	443	1
27	13	15.3	452	1
28	13	19.8	342	0
29	14	15.2	238	0
30	12	12.6	326	1
Detection Percentage: 83.3 % (>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	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5498.0	1
12	5498.4	1
13	5500.0	1
14	5498.0	1
15	5495.2	1
16	5495.6	1
17	5498.4	1
18	5498.4	1
19	5495.6	1
20	5495.6	1
21	5520.4	1
22	5524.4	1
23	5522.4	1
24	5520.8	1
25	5520.8	1
26	5520.4	1
27	5521.6	1
28	5524.8	1
29	5522.8	1
30	5521.2	1
Detection Percentage: 100 % (>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	9	51.7	1386		0.529423	1
1	3	9	65.3	1537	1306	1.017985	
2	1	9	98.7			2.037857	
3	1	9	88.4			2.675002	
4	1	9	89.3			3.759663	
5	1	9	88.7			4.647745	
6	2	9	97.3	1547		5.271808	
7	2	9	90.4	1584		6.297370	
8	2	9	50.3	1730		7.385708	
9	2	9	55.4	1114		8.539208	
10	1	9	74.1			9.424171	
11	2	9	50.8	1562		9.670494	
12	2	9	81.9	1241		10.950527	
13	3	9	55.6	1124	1246	11.232969	

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	5	72.4	1098		0.782572	1
1	3	5	88.0	1163	1298	1.498280	
2	2	5	85.6	1416		2.572013	
3	1	5	74.4			3.852202	
4	1	5	62.9			4.399656	
5	2	5	86.3	1059		5.247096	
6	1	5	91.1			6.178096	
7	1	5	62.3			7.514011	
8	2	5	60.6	1359		8.921861	
9	2	5	91.8	1598		9.464766	
10	2	5	65.8	1784		10.512375	
11	2	5	74.8	1217		11.705329	

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	10	84.7	1145		0.083696	1
1	2	10	89.9	1466		1.193851	
2	2	10	60.3	1098		2.039835	
3	1	10	55.4			2.826252	
4	3	10	50.9	1767	1225	3.251487	
5	2	10	93.1	1363		4.115956	
6	2	10	72.8	1863		4.927685	
7	3	10	90.0	1257	1567	6.222252	
8	2	10	73.6	1163		6.442644	
9	2	10	57.9	1135		7.959659	
10	2	10	67.4	1063		8.770109	
11	2	10	52.7	1095		9.228394	
12	3	10	52.8	1005	1569	9.797110	
13	2	10	67.6	1092		10.460597	
14	3	10	62.9	1050	1736	11.934285	

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	16	80.3	1790		0.474448	1
1	2	16	92.2	1720		1.155472	
2	2	16	74.2	1031		1.906646	
3	2	16	62.9	1064		2.697281	
4	1	16	84.1			3.746633	
5	2	16	97.7	1659		4.409209	
6	3	16	55.1	1216	1405	5.018844	
7	3	16	70.8	1588	1480	5.658699	
8	2	16	53.4	1268		6.400760	
9	2	16	99.8	1177		7.995180	
10	2	16	51.3	1744		8.545513	
11	3	16	76.7	1708	1006	9.537686	
12	2	16	59.0	1352		9.936211	
13	3	16	70.1	1109	1052	10.646691	
14	1	16	66.6			11.743906	

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	79.4	1126	1881	0.470322	1
1	3	13	89.3	1503	1103	1.259729	
2	2	13	52.9	1828		1.529783	
3	3	13	68.8	1521	1834	2.285647	
4	2	13	56.0	1497		3.060532	
5	2	13	70.9	1467		4.035341	
6	2	13	75.6	1826		4.825224	
7	1	13	52.0			5.918207	
8	2	13	98.4	1988		6.342983	
9	1	13	76.6			7.275532	
10	2	13	64.2	1448		7.557889	
11	1	13	81.9			8.705874	
12	3	13	87.9	1677	1851	9.212384	
13	3	13	89.0	1649	1010	10.125022	
14	3	13	51.7	1011	1595	10.546146	
15	3	13	82.0	1745	1432	11.902986	

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	80.0			0.068980	1
1	2	11	54.6	1498		0.869323	
2	3	11	84.2	1204	1653	1.978960	
3	2	11	89.7	1640		2.488772	
4	2	11	71.9	1686		2.971902	
5	1	11	82.8			3.563947	
6	1	11	63.2			4.300276	
7	1	11	97.5			4.991650	
8	3	11	89.4	1766	1817	6.135248	
9	2	11	93.3	1703		6.454412	
10	3	11	54.7	1523	1065	7.194851	
11	1	11	86.0			8.450290	
12	2	11	68.5	1951		8.962497	
13	2	11	63.1	1893		9.685622	
14	3	11	94.4	1205	1243	9.972703	
15	2	11	99.4	1219		10.799281	
16	2	11	72.0	1575		11.597676	

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	6	65.7			0.368148	1
1	3	6	78.7	1766	1609	0.677618	
2	2	6	53.5	1868		1.832802	
3	2	6	89.3	1201		2.137827	
4	2	6	69.1	1509		2.929703	
5	1	6	87.1			3.746200	
6	2	6	87.6	1150		4.645037	
7	2	6	92.8	1712		5.302225	
8	2	6	56.2	1212		5.785142	
9	3	6	89.2	1621	1847	6.374857	
10	3	6	75.6	1512	1259	7.282157	
11	2	6	92.7	1523		7.352116	
12	1	6	74.2			8.146879	
13	2	6	56.9	1509		9.260424	
14	2	6	66.9	1523		9.679233	
15	1	6	63.1			10.475074	
16	1	6	94.2			11.071287	
17	2	6	73.0	1916		11.673579	

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	93.7	1750		0.322541	
1	3	7	89.0	1984	1196	0.926446	
2	1	7	57.0			2.368994	
3	2	7	79.7	1934		2.562371	
4	3	7	66.3	1260	1280	3.687086	
5	2	7	94.1	1103		4.623298	
6	2	7	53.3	1117		5.350205	
7	2	7	50.1	1760		5.718013	1
8	1	7	90.6			7.157069	
9	1	7	70.0			7.348828	
10	2	7	64.5	1046		8.191449	
11	1	7	71.5			9.489909	
12	1	7	75.6			9.895119	
13	2	7	93.4	1921		10.407062	
14	3	7	87.0	1939	1295	11.582774	

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	90.2	1021	1461	1.180756	1
1	2	15	80.0	1933		1.829662	
2	2	15	89.9	1911		3.380681	
3	2	15	61.9	1494		3.609022	
4	1	15	73.6			5.339768	
5	3	15	93.5	1287	1479	6.590539	
6	2	15	82.2	1832		7.329049	
7	3	15	75.4	1902	1669	9.295888	
8	3	15	81.7	1421	1347	10.334836	
9	3	15	85.8	1400	1671	11.136026	

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	83.3	1934		1.265013	1
1	1	8	85.9			2.049492	
2	1	8	84.0			3.788709	
3	3	8	51.6	1676	1498	4.897044	
4	3	8	79.1	1522	1399	6.652542	
5	3	8	66.1	1439	1027	7.918455	
6	1	8	68.4			8.644626	
7	3	8	57.1	1488	1763	10.229474	
8	2	8	66.9	1443		11.604953	

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	3	15	80.0	1344	1607	0.569313	
1	2	15	81.7	1702		0.752472	
2	3	15	93.0	1305	1420	1.692123	
3	2	15	85.2	1121		2.231766	
4	3	15	79.1	1914	1301	3.080914	
5	1	15	78.6			3.240438	
6	1	15	63.5			3.896622	
7	2	15	87.7	1709		4.743985	
8	1	15	52.0			5.100188	
9	1	15	73.9			6.286239	1
10	3	15	90.5	1873	1672	6.316987	
11	1	15	66.0			7.464463	
12	3	15	53.9	1297	1576	7.994644	
13	2	15	92.6	1295		8.310319	
14	2	15	65.3	1531		9.239443	
15	3	15	78.9	1138	1420	9.923881	
16	3	15	88.0	1494	1482	10.272619	
17	2	15	98.2	1056		11.052136	
18	1	15	78.6			11.584164	

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	16	69.0	1258		0.422603	
1	2	16	86.1	1430		0.968649	
2	2	16	83.6	1593		1.745448	
3	2	16	65.3	1708		2.169112	
4	1	16	72.4			3.377642	
5	1	16	59.2			4.165004	
6	2	16	64.9	1548		4.253617	
7	1	16	80.0			5.592200	
8	2	16	92.0	1621		5.934980	1
9	2	16	73.3	1436		6.958135	
10	1	16	83.2			7.563738	
11	2	16	73.3	1921		8.043404	
12	1	16	84.2			8.871867	
13	2	16	82.2	1988		9.692780	
14	3	16	52.9	1076	1017	10.519221	
15	1	16	69.1			11.112917	
16	1	16	84.2			11.764190	

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	62.4	1441		0.990717	1
1	2	20	50.1	1018		1.764187	
2	2	20	96.9	1471		3.721887	
3	1	20	53.8			4.541148	
4	3	20	84.7	1453	1087	6.355888	
5	2	20	68.3	1279		8.286424	
6	1	20	60.6			9.949261	
7	1	20	96.6			11.130575	

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	93.3	1840		0.397041	1
1	1	15	68.9			0.751657	
2	2	15	68.4	1533		1.663104	
3	2	15	75.0	1646		1.818242	
4	3	15	88.2	1835	1768	2.585511	
5	2	15	90.5	1416		3.261676	
6	3	15	87.6	1440	1807	3.744714	
7	3	15	60.4	1928	1853	4.433792	
8	3	15	64.4	1012	1274	4.877330	
9	3	15	92.6	1101	1893	5.786162	
10	2	15	65.0	1146		6.047275	
11	1	15	52.9			6.691057	
12	2	15	53.1	1975		7.381109	
13	2	15	90.6	1053		8.191910	
14	2	15	82.4	1656		8.633535	
15	2	15	55.6	1757		9.170083	
16	2	15	98.8	1471		9.646619	
17	3	15	85.1	1272	1581	10.594009	
18	2	15	74.9	1930		10.819387	
19	3	15	79.6	1995	1136	11.762682	

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	2	8	60.9	1634		0.092959	
1	1	8	84.0			2.136025	
2	3	8	83.7	1404	1517	3.180037	
3	3	8	67.0	1134	1332	3.593976	
4	1	8	67.2			5.013633	
5	2	8	90.0	1899		6.352825	1
6	2	8	62.7	1371		6.916606	
7	3	8	98.8	1628	1567	8.173586	
8	1	8	98.6			9.323801	
9	1	8	97.6			10.333093	
10	1	8	70.2			11.733077	

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	3	9	99.4	1908	1873	0.807044	
1	3	9	97.0	1501	1699	1.107628	
2	3	9	53.6	1689	1199	2.234070	
3	3	9	80.3	1436	1356	3.065120	
4	1	9	85.4			4.961615	
5	2	9	56.3	1842		5.808210	1
6	1	9	90.5			6.982134	
7	2	9	73.1	1409		7.107061	
8	1	9	93.4			8.888537	
9	2	9	91.0	1179		9.359350	
10	1	9	88.0			10.995227	
11	2	9	59.6	1908		11.731550	

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	16	65.0	1376		0.713135	
1	1	16	86.3			1.840285	
2	2	16	91.1	1312		2.708175	
3	1	16	69.9			3.539823	
4	2	16	67.1	1284		4.287820	
5	1	16	89.8			5.440188	
6	2	16	78.4	1210		6.280347	1
7	3	16	80.2	1519	1316	7.219287	
8	2	16	94.8	1260		7.535544	
9	1	16	79.2			8.562343	
10	2	16	97.9	1783		9.430222	
11	3	16	81.6	1048	1073	10.740909	
12	3	16	60.0	1618	1091	11.630592	

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	16	78.7	1142	1366	0.045787	
1	2	16	70.8	1250		1.226017	
2	1	16	75.7			1.798322	
3	3	16	89.7	1173	1123	2.893051	
4	2	16	86.7	1490		3.937527	
5	3	16	81.1	1483	1343	4.704517	
6	1	16	57.3			5.707502	
7	1	16	98.5			6.229734	1
8	3	16	70.5	1551	1380	7.409086	
9	2	16	80.5	1017		8.447217	
10	2	16	82.0	1215		9.392625	
11	3	16	53.2	1690	1952	9.574544	
12	1	16	65.3			10.514669	
13	2	16	58.8	1540		11.503037	

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	9	90.1	1235		0.047656	
1	1	9	69.1			1.650221	
2	3	9	56.0	1178	1983	2.941221	
3	2	9	66.7	1772		3.604715	
4	3	9	95.4	1968	1690	4.821896	
5	3	9	88.1	1287	1917	5.804020	1
6	3	9	80.1	1961	1088	7.363737	
7	2	9	83.1	1859		8.468887	
8	1	9	53.8			9.076494	
9	1	9	97.3			10.409567	
10	2	9	82.0	1756		11.810452	

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	9	82.6	1819		0.041199	
1	2	9	96.8	1284		0.839137	
2	2	9	96.4	1513		1.564204	
3	1	9	72.9			2.695530	
4	2	9	79.8	1965		3.090485	
5	1	9	54.6			3.590748	
6	1	9	59.4			4.878205	
7	3	9	93.2	1785	1165	5.367588	
8	2	9	53.0	1122		5.726414	1
9	2	9	56.1	1267		6.889052	
10	2	9	51.4	1996		7.176314	
11	3	9	93.3	1428	1516	8.174683	
12	1	9	98.2			8.913778	
13	3	9	52.5	1971	1094	9.675001	
14	3	9	99.9	1933	1209	10.105801	
15	2	9	66.5	1040		11.235812	
16	1	9	70.8			11.983157	

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	19	64.3	1262		0.778614	1
1	2	19	88.2	1957		1.559295	
2	1	19	84.3			2.056591	
3	2	19	61.5	1024		2.883197	
4	3	19	54.6	1799	1596	3.816300	
5	1	19	99.9			4.208984	
6	2	19	87.3	1817		5.468538	
7	3	19	81.1	1729	1585	5.646368	
8	2	19	91.6	1863		6.562012	
9	2	19	74.5	1668		7.517020	
10	2	19	55.3	1117		8.691988	
11	1	19	86.9			8.828562	
12	3	19	92.0	1647	1492	9.639028	
13	3	19	85.5	1561	1621	11.124830	
14	2	19	53.9	1933		11.279935	

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	9	54.0	1122		0.566402	1
1	3	9	50.1	1787	1192	0.928293	
2	1	9	96.1			2.223623	
3	1	9	94.3			2.770143	
4	2	9	89.3	1835		4.042042	
5	1	9	91.1			4.953032	
6	2	9	70.1	1904		5.735336	
7	2	9	60.1	1291		7.235664	
8	2	9	93.2	1977		7.863634	
9	3	9	85.3	1436	1279	8.786327	
10	3	9	84.3	1826	1506	10.083536	
11	3	9	72.0	1307	1251	10.378796	
12	2	9	59.7	1117		11.935635	

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	14	70.1	1767		0.333059	1
1	3	14	87.7	1663	1590	0.698838	
2	2	14	93.0	1372		1.760702	
3	2	14	88.4	1828		2.190078	
4	2	14	64.7	1313		2.941435	
5	1	14	65.9			3.690397	
6	2	14	71.4	1508		4.646573	
7	3	14	76.5	1577	1481	4.865096	
8	1	14	86.5			5.814007	
9	3	14	51.4	1703	1033	6.377758	
10	1	14	68.1			6.915778	
11	1	14	66.9			7.672990	
12	3	14	75.2	1552	1933	8.258090	
13	2	14	83.6	1162		8.871108	
14	2	14	87.8	1811		9.934955	
15	3	14	81.4	1067	1616	10.178075	
16	2	14	68.8	1050		10.962082	
17	3	14	94.4	1341	1795	11.755991	

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	18	51.6	1183		0.131431	1
1	3	18	50.1	1932	1616	1.261317	
2	2	18	95.3	1399		2.816490	
3	1	18	86.2			3.261739	
4	3	18	97.9	1632	1436	4.145555	
5	2	18	90.7	1372		5.500132	
6	3	18	62.1	1266	1929	6.456043	
7	1	18	71.9			7.817947	
8	2	18	84.9	1996		8.885459	
9	3	18	82.8	1331	1812	9.790632	
10	3	18	61.2	1060	1988	10.798759	
11	2	18	72.7	1978		11.717562	

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	18	73.6	1530		0.585822	
1	2	18	52.4	1596		0.788347	
2	1	18	86.1			1.277844	
3	3	18	99.4	1223	1255	2.262751	
4	3	18	60.1	1411	1649	2.693986	
5	1	18	94.6			3.295646	
6	2	18	51.5	1303		4.226120	
7	3	18	77.2	1914	1811	5.037583	
8	2	18	90.7	1747		5.102438	
9	2	18	62.4	1307		6.142160	1
10	3	18	77.4	1555	1907	6.446801	
11	1	18	92.2			7.035829	
12	2	18	54.0	1148		7.891571	
13	2	18	96.3	1522		8.732669	
14	2	18	96.0	1173		9.362369	
15	1	18	69.0			9.557724	
16	1	18	60.0			10.429246	
17	1	18	81.1			11.233495	
18	3	18	81.5	1978	1716	11.458446	

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	19	64.0	1164	1452	0.759401	
1	2	19	76.0	1214		0.945850	
2	1	19	85.7			1.905815	
3	3	19	99.9	1730	1148	2.834140	
4	3	19	90.2	1165	1521	3.707768	
5	2	19	97.1	1866		4.636300	
6	1	19	66.8			5.580201	
7	2	19	50.2	1952		6.129513	1
8	2	19	93.3	1244		6.915838	
9	2	19	70.2	1275		7.560617	
10	2	19	94.9	1097		8.662626	
11	2	19	57.0	1674		9.377824	
12	2	19	94.8	1964		9.967728	
13	2	19	93.2	1536		10.868744	
14	2	19	88.4	1052		11.615270	

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	16	74.7			0.540867	1
1	1	16	68.1			1.521179	
2	2	16	84.1	1437		2.233163	
3	2	16	91.3	1233		2.987595	
4	2	16	90.5	1702		4.054298	
5	1	16	53.8			4.825593	
6	1	16	89.3			5.287975	
7	2	16	85.1	1036		6.796854	
8	2	16	88.6	1241		7.420785	
9	2	16	91.5	1198		8.298562	
10	1	16	58.9			8.994286	
11	3	16	94.9	1500	1320	9.879100	
12	3	16	65.3	1667	1658	10.406933	
13	2	16	94.5	1203		11.272470	

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	1	8	85.5			0.214348	1
1	1	8	69.5			1.040263	
2	3	8	91.5	1442	1397	1.662719	
3	1	8	55.5			2.539931	
4	3	8	53.1	1962	1935	3.058271	
5	2	8	69.6	1908		3.706616	
6	2	8	74.6	2000		4.186977	
7	2	8	82.2	1476		4.775418	
8	2	8	57.9	1934		5.349612	
9	2	8	67.3	1530		6.238180	
10	3	8	55.8	1565	1504	6.672592	
11	1	8	50.5			7.695200	
12	2	8	97.6	1134		8.167292	
13	1	8	66.0			9.068881	
14	1	8	77.8			9.948557	
15	2	8	58.2	1299		10.322008	
16	2	8	95.4	1956		10.798562	
17	1	8	65.0			11.848097	

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	56.3	1834		0.817679	1
1	1	13	87.8			1.773447	
2	2	13	58.3	1351		2.974911	
3	2	13	87.8	1042		3.327092	
4	2	13	85.3	1877		4.396073	
5	1	13	83.6			5.488809	
6	3	13	58.8	1404	1861	6.426460	
7	2	13	84.3	1381		7.842707	
8	3	13	83.9	1770	1772	8.717687	
9	2	13	67.3	1800		9.786515	
10	2	13	57.8	1239		10.075660	
11	3	13	66.6	1203	1952	11.046382	

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	17	81.4	1885		0.528976	1
1	2	17	82.4	1090		0.678793	
2	2	17	59.3	1180		1.333473	
3	2	17	97.7	1596		2.362159	
4	2	17	58.2	1014		3.289699	
5	2	17	69.2	1425		3.663632	
6	1	17	66.8			4.347472	
7	1	17	94.1			5.180213	
8	1	17	84.8			5.539747	
9	3	17	83.9	1938	1296	6.160026	
10	1	17	71.7			7.146014	
11	1	17	77.2			7.509703	
12	1	17	73.6			8.080934	
13	1	17	81.7			9.054456	
14	2	17	89.5	1291		9.484904	
15	3	17	62.0	1233	1595	10.328335	
16	2	17	99.4	1973		11.224464	
17	2	17	82.5	1284		11.682323	

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	5510.0	9	1.0	333	1	5656.0, 5600.0, 5639.0, 5660.0, 5282.0, 5556.0, 5617.0, 5446.0, 5545.0, 5499.0, 5522.0, 5537.0, 5667.0, 5655.0, 5464.0, 5253.0, 5700.0, 5391.0, 5687.0, 5654.0, 5344.0, 5578.0, 5363.0, 5316.0, 5612.0, 5349.0, 5472.0, 5408.0, 5458.0, 5303.0, 5504.0, 5536.0, 5514.0, 5463.0, 5289.0, 5277.0, 5642.0, 5423.0, 5343.0, 5441.0, 5665.0, 5404.0, 5575.0, 5360.0, 5495.0, 5695.0, 5332.0, 5430.0, 5258.0, 5684.0, 5616.0, 5679.0, 5449.0, 5710.0, 5631.0, 5374.0, 5638.0, 5528.0, 5469.0, 5328.0, 5347.0, 5451.0, 5520.0, 5652.0, 5715.0, 5688.0, 5465.0, 5563.0, 5263.0, 5353.0, 5461.0, 5274.0, 5418.0, 5576.0, 5561.0, 5675.0, 5648.0, 5420.0, 5546.0, 5686.0, 5572.0, 5704.0, 5569.0, 5310.0, 5543.0, 5707.0, 5586.0, 5485.0, 5251.0, 5614.0, 5588.0, 5306.0, 5636.0, 5603.0, 5368.0, 5301.0, 5417.0, 5596.0, 5721.0, 5500.0 (number of hits: 7)
2	5510.0	9	1.0	333	1	5543.0, 5576.0, 5588.0, 5294.0, 5390.0, 5499.0, 5311.0, 5377.0, 5646.0, 5410.0, 5346.0, 5460.0, 5581.0, 5580.0, 5364.0, 5395.0, 5313.0, 5661.0, 5471.0, 5707.0, 5283.0, 5384.0, 5682.0, 5519.0, 5366.0, 5505.0, 5380.0, 5521.0, 5281.0, 5606.0, 5398.0, 5287.0, 5574.0, 5273.0, 5442.0, 5383.0, 5597.0, 5554.0, 5412.0, 5628.0, 5489.0, 5544.0, 5360.0, 5409.0, 5478.0, 5700.0, 5673.0, 5466.0, 5455.0, 5526.0, 5534.0, 5284.0, 5448.0, 5512.0, 5579.0, 5642.0, 5611.0, 5343.0, 5347.0, 5598.0, 5491.0, 5464.0, 5555.0, 5451.0, 5657.0, 5422.0, 5715.0, 5647.0, 5306.0, 5567.0, 5333.0, 5291.0, 5692.0, 5495.0, 5411.0, 5423.0, 5573.0, 5362.0, 5501.0, 5419.0, 5444.0, 5621.0, 5272.0, 5717.0, 5556.0, 5323.0, 5483.0, 5305.0, 5649.0, 5690.0, 5486.0, 5650.0, 5503.0, 5714.0, 5688.0, 5720.0, 5496.0, 5389.0, 5397.0, 5694.0 (number of hits: 10)
3	5510.0	9	1.0	333	1	5611.0, 5340.0, 5647.0, 5673.0, 5256.0, 5276.0, 5494.0, 5544.0, 5566.0, 5480.0, 5599.0, 5341.0, 5358.0, 5530.0, 5372.0, 5437.0, 5377.0, 5382.0, 5607.0, 5462.0, 5658.0, 5365.0, 5353.0, 5629.0, 5500.0, 5627.0, 5484.0, 5278.0, 5620.0, 5517.0, 5435.0, 5642.0, 5292.0, 5635.0, 5720.0, 5417.0, 5404.0, 5577.0, 5438.0, 5373.0, 5561.0, 5528.0, 5398.0, 5667.0, 5669.0, 5306.0, 5679.0, 5354.0, 5445.0, 5547.0, 5676.0, 5367.0, 5305.0, 5421.0, 5636.0, 5261.0, 5401.0, 5279.0, 5693.0, 5515.0, 5479.0, 5345.0, 5267.0, 5350.0, 5428.0, 5468.0, 5571.0, 5495.0, 5326.0, 5518.0,

						5259.0, 5302.0, 5520.0, 5271.0, 5522.0, 5400.0, 5307.0, 5537.0, 5483.0, 5604.0, 5284.0, 5696.0, 5600.0, 5534.0, 5511.0, 5352.0, 5549.0, 5529.0, 5273.0, 5656.0, 5300.0, 5574.0, 5329.0, 5660.0, 5331.0, 5461.0, 5542.0, 5254.0, 5409.0, 5419.0 (number of hits: 9)
4	5510.0	9	1.0	333	1	5663.0, 5617.0, 5334.0, 5468.0, 5356.0, 5549.0, 5554.0, 5291.0, 5495.0, 5622.0, 5657.0, 5658.0, 5277.0, 5688.0, 5464.0, 5294.0, 5545.0, 5566.0, 5381.0, 5588.0, 5279.0, 5519.0, 5433.0, 5367.0, 5581.0, 5251.0, 5517.0, 5591.0, 5431.0, 5522.0, 5288.0, 5491.0, 5299.0, 5421.0, 5406.0, 5569.0, 5297.0, 5446.0, 5379.0, 5697.0, 5393.0, 5568.0, 5355.0, 5341.0, 5463.0, 5397.0, 5593.0, 5408.0, 5437.0, 5625.0, 5391.0, 5474.0, 5680.0, 5465.0, 5458.0, 5650.0, 5366.0, 5594.0, 5694.0, 5496.0, 5368.0, 5514.0, 5595.0, 5572.0, 5637.0, 5642.0, 5698.0, 5682.0, 5434.0, 5401.0, 5389.0, 5345.0, 5574.0, 5484.0, 5632.0, 5259.0, 5599.0, 5373.0, 5610.0, 5681.0, 5340.0, 5390.0, 5302.0, 5619.0, 5608.0, 5428.0, 5267.0, 5589.0, 5605.0, 5380.0, 5315.0, 5375.0, 5661.0, 5516.0, 5359.0, 5454.0, 5326.0, 5275.0, 5456.0, 5476.0 (number of hits: 7)
5	5510.0	9	1.0	333	1	5347.0, 5565.0, 5566.0, 5428.0, 5485.0, 5699.0, 5360.0, 5304.0, 5397.0, 5438.0, 5420.0, 5622.0, 5578.0, 5380.0, 5541.0, 5406.0, 5681.0, 5447.0, 5549.0, 5353.0, 5340.0, 5459.0, 5298.0, 5548.0, 5573.0, 5563.0, 5535.0, 5350.0, 5479.0, 5467.0, 5338.0, 5364.0, 5644.0, 5267.0, 5437.0, 5316.0, 5309.0, 5343.0, 5620.0, 5328.0, 5637.0, 5543.0, 5670.0, 5691.0, 5567.0, 5259.0, 5662.0, 5288.0, 5664.0, 5724.0, 5255.0, 5540.0, 5723.0, 5671.0, 5680.0, 5584.0, 5393.0, 5361.0, 5478.0, 5601.0, 5518.0, 5684.0, 5626.0, 5595.0, 5617.0, 5500.0, 5510.0, 5268.0, 5621.0, 5653.0, 5444.0, 5299.0, 5672.0, 5532.0, 5251.0, 5280.0, 5582.0, 5716.0, 5279.0, 5453.0, 5559.0, 5702.0, 5386.0, 5379.0, 5307.0, 5318.0, 5378.0, 5480.0, 5320.0, 5429.0, 5476.0, 5561.0, 5301.0, 5611.0, 5607.0, 5454.0, 5339.0, 5336.0, 5469.0, 5419.0 (number of hits: 3)
6	5510.0	9	1.0	333	1	5702.0, 5660.0, 5635.0, 5607.0, 5692.0, 5721.0, 5398.0, 5707.0, 5643.0, 5447.0, 5268.0, 5722.0, 5685.0, 5563.0, 5586.0, 5465.0, 5612.0, 5717.0, 5429.0, 5337.0, 5363.0, 5542.0, 5340.0, 5663.0, 5544.0, 5613.0, 5531.0, 5277.0, 5497.0, 5495.0, 5460.0, 5344.0, 5426.0, 5597.0, 5557.0, 5440.0, 5466.0, 5472.0, 5594.0, 5427.0, 5469.0, 5541.0, 5341.0, 5260.0, 5386.0, 5625.0, 5718.0, 5456.0, 5624.0, 5696.0, 5461.0, 5438.0, 5401.0, 5537.0, 5548.0, 5511.0, 5622.0, 5604.0, 5371.0, 5463.0, 5382.0, 5436.0, 5562.0, 5598.0, 5283.0,

						5255.0, 5650.0, 5553.0, 5310.0, 5662.0, 5633.0, 5566.0, 5520.0, 5443.0, 5488.0, 5272.0, 5480.0, 5250.0, 5364.0, 5412.0, 5280.0, 5690.0, 5477.0, 5571.0, 5370.0, 5424.0, 5509.0, 5705.0, 5270.0, 5656.0, 5303.0, 5261.0, 5479.0, 5274.0, 5273.0, 5503.0, 5724.0, 5294.0, 5591.0, 5334.0 (number of hits: 6)
7	5510.0	9	1.0	333	1	5537.0, 5288.0, 5363.0, 5572.0, 5562.0, 5573.0, 5381.0, 5395.0, 5665.0, 5305.0, 5568.0, 5600.0, 5486.0, 5522.0, 5371.0, 5263.0, 5399.0, 5713.0, 5664.0, 5253.0, 5409.0, 5495.0, 5561.0, 5492.0, 5636.0, 5627.0, 5647.0, 5529.0, 5469.0, 5677.0, 5342.0, 5465.0, 5358.0, 5633.0, 5414.0, 5480.0, 5432.0, 5623.0, 5714.0, 5281.0, 5579.0, 5504.0, 5479.0, 5694.0, 5330.0, 5356.0, 5652.0, 5718.0, 5364.0, 5637.0, 5708.0, 5692.0, 5601.0, 5493.0, 5551.0, 5466.0, 5322.0, 5712.0, 5412.0, 5338.0, 5689.0, 5407.0, 5682.0, 5347.0, 5514.0, 5710.0, 5656.0, 5472.0, 5388.0, 5280.0, 5544.0, 5511.0, 5605.0, 5443.0, 5574.0, 5666.0, 5321.0, 5646.0, 5348.0, 5474.0, 5267.0, 5294.0, 5468.0, 5609.0, 5519.0, 5293.0, 5349.0, 5723.0, 5446.0, 5688.0, 5437.0, 5438.0, 5700.0, 5396.0, 5463.0, 5651.0, 5698.0, 5473.0, 5686.0, 5661.0 (number of hits: 8)
8	5510.0	9	1.0	333	1	5666.0, 5695.0, 5624.0, 5631.0, 5503.0, 5720.0, 5519.0, 5665.0, 5595.0, 5420.0, 5448.0, 5469.0, 5421.0, 5491.0, 5259.0, 5488.0, 5275.0, 5341.0, 5436.0, 5340.0, 5338.0, 5350.0, 5708.0, 5575.0, 5277.0, 5460.0, 5550.0, 5656.0, 5462.0, 5532.0, 5373.0, 5594.0, 5252.0, 5437.0, 5598.0, 5528.0, 5392.0, 5327.0, 5515.0, 5444.0, 5527.0, 5539.0, 5339.0, 5440.0, 5468.0, 5672.0, 5349.0, 5705.0, 5487.0, 5273.0, 5696.0, 5517.0, 5406.0, 5716.0, 5701.0, 5383.0, 5699.0, 5667.0, 5710.0, 5320.0, 5254.0, 5300.0, 5351.0, 5641.0, 5281.0, 5333.0, 5498.0, 5400.0, 5685.0, 5472.0, 5477.0, 5688.0, 5396.0, 5347.0, 5363.0, 5431.0, 5395.0, 5329.0, 5415.0, 5250.0, 5463.0, 5643.0, 5413.0, 5345.0, 5426.0, 5679.0, 5465.0, 5499.0, 5576.0, 5489.0, 5522.0, 5266.0, 5458.0, 5461.0, 5544.0, 5370.0, 5326.0, 5387.0, 5302.0, 5563.0 (number of hits: 8)
9	5515.0	9	1.0	333	1	5678.0, 5545.0, 5362.0, 5262.0, 5697.0, 5709.0, 5363.0, 5444.0, 5534.0, 5549.0, 5452.0, 5513.0, 5314.0, 5293.0, 5378.0, 5466.0, 5583.0, 5580.0, 5710.0, 5411.0, 5464.0, 5546.0, 5494.0, 5474.0, 5619.0, 5666.0, 5477.0, 5535.0, 5301.0, 5715.0, 5676.0, 5383.0, 5277.0, 5394.0, 5413.0, 5547.0, 5623.0, 5514.0, 5311.0, 5295.0, 5705.0, 5438.0, 5251.0, 5471.0, 5624.0, 5443.0, 5457.0, 5531.0, 5639.0, 5641.0, 5600.0, 5287.0, 5652.0, 5493.0, 5630.0, 5607.0, 5375.0, 5320.0, 5350.0, 5687.0,

						5575.0, 5562.0, 5647.0, 5356.0, 5541.0, 5659.0, 5495.0, 5548.0, 5476.0, 5550.0, 5584.0, 5259.0, 5328.0, 5256.0, 5499.0, 5404.0, 5321.0, 5688.0, 5650.0, 5518.0, 5255.0, 5718.0, 5581.0, 5617.0, 5458.0, 5622.0, 5686.0, 5706.0, 5423.0, 5310.0, 5288.0, 5450.0, 5703.0, 5418.0, 5691.0, 5273.0, 5571.0, 5424.0, 5264.0, 5406.0 (number of hits: 5)
10	5515.0	9	1.0	333	1	5400.0, 5471.0, 5282.0, 5416.0, 5546.0, 5540.0, 5641.0, 5264.0, 5280.0, 5635.0, 5649.0, 5634.0, 5252.0, 5406.0, 5678.0, 5378.0, 5450.0, 5270.0, 5522.0, 5281.0, 5324.0, 5459.0, 5407.0, 5460.0, 5582.0, 5551.0, 5366.0, 5383.0, 5653.0, 5541.0, 5723.0, 5612.0, 5273.0, 5673.0, 5668.0, 5441.0, 5260.0, 5375.0, 5578.0, 5563.0, 5274.0, 5568.0, 5676.0, 5254.0, 5380.0, 5514.0, 5716.0, 5357.0, 5682.0, 5266.0, 5314.0, 5602.0, 5325.0, 5376.0, 5490.0, 5294.0, 5367.0, 5671.0, 5299.0, 5660.0, 5356.0, 5481.0, 5409.0, 5625.0, 5298.0, 5442.0, 5534.0, 5648.0, 5656.0, 5258.0, 5605.0, 5579.0, 5617.0, 5476.0, 5469.0, 5558.0, 5669.0, 5360.0, 5393.0, 5620.0, 5654.0, 5610.0, 5415.0, 5289.0, 5507.0, 5488.0, 5436.0, 5701.0, 5300.0, 5591.0, 5696.0, 5581.0, 5638.0, 5404.0, 5661.0, 5352.0, 5597.0, 5542.0, 5403.0, 5644.0 (number of hits: 3)
11	5520.0	9	1.0	333	1	5452.0, 5476.0, 5602.0, 5682.0, 5620.0, 5506.0, 5482.0, 5381.0, 5339.0, 5548.0, 5458.0, 5503.0, 5573.0, 5572.0, 5673.0, 5705.0, 5527.0, 5373.0, 5624.0, 5532.0, 5583.0, 5633.0, 5254.0, 5390.0, 5391.0, 5343.0, 5307.0, 5422.0, 5648.0, 5315.0, 5493.0, 5661.0, 5285.0, 5637.0, 5421.0, 5289.0, 5486.0, 5582.0, 5577.0, 5587.0, 5522.0, 5467.0, 5472.0, 5542.0, 5370.0, 5551.0, 5641.0, 5338.0, 5526.0, 5616.0, 5621.0, 5349.0, 5703.0, 5420.0, 5428.0, 5313.0, 5491.0, 5642.0, 5374.0, 5403.0, 5455.0, 5378.0, 5293.0, 5260.0, 5702.0, 5643.0, 5362.0, 5321.0, 5563.0, 5612.0, 5499.0, 5387.0, 5418.0, 5539.0, 5684.0, 5601.0, 5398.0, 5340.0, 5352.0, 5427.0, 5459.0, 5609.0, 5541.0, 5646.0, 5550.0, 5546.0, 5344.0, 5444.0, 5457.0, 5631.0, 5659.0, 5355.0, 5262.0, 5399.0, 5589.0, 5276.0, 5651.0, 5312.0, 5330.0, 5359.0 (number of hits: 6)
12	5520.0	9	1.0	333	1	5351.0, 5378.0, 5537.0, 5250.0, 5653.0, 5532.0, 5651.0, 5343.0, 5264.0, 5572.0, 5348.0, 5579.0, 5577.0, 5376.0, 5280.0, 5283.0, 5693.0, 5494.0, 5567.0, 5560.0, 5266.0, 5340.0, 5597.0, 5428.0, 5558.0, 5411.0, 5302.0, 5251.0, 5694.0, 5267.0, 5479.0, 5447.0, 5620.0, 5533.0, 5526.0, 5344.0, 5606.0, 5426.0, 5652.0, 5590.0, 5698.0, 5585.0, 5328.0, 5656.0, 5499.0, 5319.0, 5636.0, 5258.0, 5476.0, 5276.0, 5688.0, 5335.0, 5384.0, 5259.0, 5713.0,

						5440.0, 5557.0, 5711.0, 5642.0, 5495.0, 5504.0, 5413.0, 5559.0, 5701.0, 5269.0, 5268.0, 5566.0, 5510.0, 5517.0, 5409.0, 5708.0, 5719.0, 5490.0, 5600.0, 5638.0, 5404.0, 5603.0, 5630.0, 5468.0, 5369.0, 5337.0, 5347.0, 5438.0, 5405.0, 5278.0, 5568.0, 5553.0, 5459.0, 5451.0, 5368.0, 5705.0, 5707.0, 5354.0, 5331.0, 5425.0, 5605.0, 5672.0, 5677.0, 5640.0, 5598.0 (number of hits: 7)
13	5520.0	9	1.0	333	1	5268.0, 5670.0, 5585.0, 5651.0, 5581.0, 5386.0, 5679.0, 5283.0, 5453.0, 5437.0, 5646.0, 5427.0, 5699.0, 5682.0, 5304.0, 5467.0, 5706.0, 5523.0, 5543.0, 5498.0, 5563.0, 5681.0, 5672.0, 5571.0, 5340.0, 5514.0, 5667.0, 5380.0, 5680.0, 5664.0, 5250.0, 5429.0, 5624.0, 5588.0, 5493.0, 5421.0, 5332.0, 5267.0, 5500.0, 5713.0, 5565.0, 5542.0, 5382.0, 5259.0, 5400.0, 5468.0, 5391.0, 5368.0, 5698.0, 5454.0, 5484.0, 5371.0, 5627.0, 5499.0, 5524.0, 5549.0, 5387.0, 5470.0, 5295.0, 5323.0, 5381.0, 5384.0, 5414.0, 5476.0, 5721.0, 5362.0, 5365.0, 5331.0, 5634.0, 5482.0, 5582.0, 5544.0, 5538.0, 5383.0, 5616.0, 5318.0, 5513.0, 5313.0, 5509.0, 5558.0, 5573.0, 5403.0, 5702.0, 5553.0, 5491.0, 5521.0, 5357.0, 5497.0, 5719.0, 5635.0, 5410.0, 5425.0, 5296.0, 5442.0, 5366.0, 5281.0, 5548.0, 5605.0, 5439.0, 5584.0 (number of hits: 6)
14	5520.0	9	1.0	333	1	5439.0, 5696.0, 5269.0, 5626.0, 5387.0, 5416.0, 5477.0, 5266.0, 5309.0, 5527.0, 5425.0, 5426.0, 5629.0, 5270.0, 5609.0, 5608.0, 5252.0, 5500.0, 5584.0, 5412.0, 5446.0, 5540.0, 5687.0, 5668.0, 5506.0, 5409.0, 5660.0, 5704.0, 5344.0, 5271.0, 5356.0, 5651.0, 5493.0, 5497.0, 5582.0, 5521.0, 5362.0, 5693.0, 5706.0, 5375.0, 5632.0, 5376.0, 5469.0, 5491.0, 5436.0, 5282.0, 5346.0, 5402.0, 5457.0, 5639.0, 5453.0, 5293.0, 5342.0, 5262.0, 5622.0, 5470.0, 5361.0, 5621.0, 5545.0, 5643.0, 5445.0, 5370.0, 5421.0, 5318.0, 5633.0, 5275.0, 5593.0, 5617.0, 5522.0, 5368.0, 5637.0, 5586.0, 5562.0, 5327.0, 5310.0, 5532.0, 5481.0, 5502.0, 5694.0, 5596.0, 5680.0, 5652.0, 5427.0, 5418.0, 5517.0, 5601.0, 5599.0, 5487.0, 5574.0, 5565.0, 5702.0, 5431.0, 5280.0, 5598.0, 5377.0, 5640.0, 5508.0, 5688.0, 5279.0, 5654.0 (number of hits: 8)
15	5520.0	9	1.0	333	1	5594.0, 5720.0, 5509.0, 5668.0, 5376.0, 5677.0, 5424.0, 5264.0, 5585.0, 5453.0, 5559.0, 5447.0, 5308.0, 5703.0, 5373.0, 5722.0, 5378.0, 5694.0, 5483.0, 5505.0, 5257.0, 5275.0, 5684.0, 5724.0, 5542.0, 5644.0, 5554.0, 5323.0, 5278.0, 5581.0, 5392.0, 5325.0, 5535.0, 5383.0, 5432.0, 5404.0, 5664.0, 5354.0, 5339.0, 5457.0, 5533.0, 5313.0, 5713.0, 5441.0, 5460.0, 5435.0, 5637.0, 5320.0, 5402.0, 5327.0,

						5573.0, 5358.0, 5347.0, 5370.0, 5258.0, 5622.0, 5472.0, 5396.0, 5544.0, 5342.0, 5570.0, 5510.0, 5630.0, 5692.0, 5671.0, 5623.0, 5710.0, 5410.0, 5613.0, 5715.0, 5716.0, 5617.0, 5281.0, 5624.0, 5487.0, 5474.0, 5312.0, 5612.0, 5294.0, 5270.0, 5350.0, 5552.0, 5425.0, 5329.0, 5442.0, 5696.0, 5627.0, 5690.0, 5470.0, 5534.0, 5471.0, 5569.0, 5698.0, 5628.0, 5319.0, 5647.0, 5689.0, 5545.0, 5685.0, 5499.0 (number of hits: 6)
16	5500.0	9	1.0	333	1	5340.0, 5459.0, 5604.0, 5681.0, 5298.0, 5277.0, 5717.0, 5603.0, 5600.0, 5371.0, 5620.0, 5466.0, 5708.0, 5334.0, 5274.0, 5687.0, 5650.0, 5352.0, 5342.0, 5295.0, 5291.0, 5428.0, 5703.0, 5563.0, 5375.0, 5685.0, 5432.0, 5549.0, 5473.0, 5251.0, 5278.0, 5602.0, 5451.0, 5669.0, 5537.0, 5305.0, 5308.0, 5582.0, 5414.0, 5474.0, 5288.0, 5672.0, 5471.0, 5497.0, 5344.0, 5555.0, 5605.0, 5519.0, 5492.0, 5608.0, 5462.0, 5559.0, 5356.0, 5314.0, 5319.0, 5333.0, 5721.0, 5664.0, 5395.0, 5661.0, 5313.0, 5304.0, 5358.0, 5579.0, 5665.0, 5651.0, 5629.0, 5263.0, 5615.0, 5709.0, 5257.0, 5423.0, 5360.0, 5412.0, 5370.0, 5663.0, 5368.0, 5640.0, 5255.0, 5583.0, 5337.0, 5490.0, 5328.0, 5467.0, 5409.0, 5589.0, 5289.0, 5580.0, 5532.0, 5510.0, 5391.0, 5544.0, 5378.0, 5565.0, 5523.0, 5576.0, 5631.0, 5720.0, 5399.0, 5380.0 (number of hits: 4)
17	5500.0	9	1.0	333	1	5647.0, 5516.0, 5300.0, 5462.0, 5568.0, 5376.0, 5533.0, 5458.0, 5552.0, 5601.0, 5415.0, 5277.0, 5285.0, 5687.0, 5429.0, 5266.0, 5360.0, 5457.0, 5580.0, 5379.0, 5523.0, 5646.0, 5418.0, 5468.0, 5507.0, 5550.0, 5275.0, 5632.0, 5416.0, 5534.0, 5528.0, 5721.0, 5540.0, 5318.0, 5286.0, 5433.0, 5609.0, 5558.0, 5346.0, 5589.0, 5503.0, 5667.0, 5713.0, 5566.0, 5520.0, 5680.0, 5382.0, 5617.0, 5701.0, 5519.0, 5711.0, 5595.0, 5556.0, 5682.0, 5599.0, 5278.0, 5276.0, 5350.0, 5604.0, 5407.0, 5625.0, 5478.0, 5401.0, 5301.0, 5279.0, 5715.0, 5657.0, 5698.0, 5254.0, 5588.0, 5283.0, 5563.0, 5391.0, 5676.0, 5268.0, 5707.0, 5354.0, 5581.0, 5656.0, 5575.0, 5494.0, 5377.0, 5451.0, 5596.0, 5345.0, 5492.0, 5522.0, 5513.0, 5476.0, 5671.0, 5261.0, 5493.0, 5694.0, 5630.0, 5489.0, 5380.0, 5546.0, 5597.0, 5681.0, 5297.0 (number of hits: 8)
18	5500.0	9	1.0	333	1	5520.0, 5492.0, 5364.0, 5255.0, 5508.0, 5586.0, 5570.0, 5535.0, 5410.0, 5407.0, 5494.0, 5542.0, 5651.0, 5572.0, 5694.0, 5453.0, 5511.0, 5536.0, 5550.0, 5417.0, 5680.0, 5656.0, 5339.0, 5546.0, 5462.0, 5521.0, 5642.0, 5474.0, 5306.0, 5312.0, 5618.0, 5351.0, 5590.0, 5527.0, 5367.0, 5400.0, 5449.0, 5661.0, 5389.0, 5319.0, 5552.0, 5636.0, 5560.0, 5713.0, 5379.0,

						5341.0, 5479.0, 5676.0, 5653.0, 5619.0, 5282.0, 5466.0, 5679.0, 5709.0, 5557.0, 5507.0, 5348.0, 5478.0, 5283.0, 5388.0, 5436.0, 5665.0, 5480.0, 5683.0, 5594.0, 5556.0, 5432.0, 5331.0, 5440.0, 5446.0, 5568.0, 5658.0, 5620.0, 5524.0, 5497.0, 5589.0, 5399.0, 5519.0, 5537.0, 5670.0, 5403.0, 5701.0, 5422.0, 5545.0, 5396.0, 5254.0, 5302.0, 5558.0, 5315.0, 5687.0, 5578.0, 5645.0, 5412.0, 5332.0, 5419.0, 5378.0, 5682.0, 5362.0, 5706.0, 5486.0 (number of hits: 7)
19	5500.0	9	1.0	333	1	5514.0, 5584.0, 5373.0, 5296.0, 5378.0, 5268.0, 5427.0, 5670.0, 5715.0, 5380.0, 5697.0, 5602.0, 5415.0, 5502.0, 5431.0, 5671.0, 5384.0, 5487.0, 5709.0, 5320.0, 5532.0, 5665.0, 5495.0, 5318.0, 5474.0, 5653.0, 5696.0, 5480.0, 5657.0, 5395.0, 5585.0, 5383.0, 5654.0, 5576.0, 5716.0, 5634.0, 5465.0, 5527.0, 5568.0, 5650.0, 5509.0, 5609.0, 5288.0, 5336.0, 5535.0, 5270.0, 5287.0, 5252.0, 5274.0, 5379.0, 5279.0, 5254.0, 5677.0, 5546.0, 5340.0, 5401.0, 5375.0, 5669.0, 5280.0, 5608.0, 5349.0, 5562.0, 5271.0, 5473.0, 5519.0, 5335.0, 5290.0, 5478.0, 5317.0, 5358.0, 5645.0, 5429.0, 5547.0, 5292.0, 5458.0, 5543.0, 5707.0, 5439.0, 5397.0, 5412.0, 5628.0, 5315.0, 5257.0, 5432.0, 5281.0, 5598.0, 5411.0, 5545.0, 5348.0, 5386.0, 5322.0, 5396.0, 5425.0, 5688.0, 5573.0, 5698.0, 5531.0, 5339.0, 5702.0, 5603.0 (number of hits: 5)
20	5500.0	9	1.0	333	1	5576.0, 5662.0, 5558.0, 5534.0, 5690.0, 5466.0, 5456.0, 5451.0, 5677.0, 5721.0, 5408.0, 5368.0, 5344.0, 5544.0, 5310.0, 5284.0, 5467.0, 5713.0, 5279.0, 5306.0, 5611.0, 5380.0, 5323.0, 5512.0, 5702.0, 5254.0, 5679.0, 5372.0, 5506.0, 5394.0, 5497.0, 5592.0, 5628.0, 5703.0, 5588.0, 5278.0, 5267.0, 5569.0, 5335.0, 5502.0, 5649.0, 5409.0, 5562.0, 5613.0, 5293.0, 5622.0, 5525.0, 5637.0, 5654.0, 5657.0, 5444.0, 5402.0, 5543.0, 5678.0, 5357.0, 5692.0, 5333.0, 5563.0, 5453.0, 5600.0, 5523.0, 5684.0, 5520.0, 5305.0, 5531.0, 5474.0, 5435.0, 5504.0, 5567.0, 5384.0, 5296.0, 5505.0, 5410.0, 5639.0, 5320.0, 5587.0, 5353.0, 5329.0, 5661.0, 5605.0, 5642.0, 5672.0, 5446.0, 5407.0, 5626.0, 5601.0, 5620.0, 5287.0, 5427.0, 5417.0, 5434.0, 5519.0, 5330.0, 5513.0, 5273.0, 5583.0, 5432.0, 5663.0, 5489.0, 5647.0 (number of hits: 8)
21	5525.0	9	1.0	333	1	5620.0, 5634.0, 5524.0, 5493.0, 5655.0, 5489.0, 5709.0, 5269.0, 5396.0, 5384.0, 5365.0, 5681.0, 5377.0, 5346.0, 5340.0, 5717.0, 5254.0, 5689.0, 5400.0, 5315.0, 5722.0, 5443.0, 5257.0, 5497.0, 5533.0, 5350.0, 5718.0, 5558.0, 5363.0, 5590.0, 5649.0, 5353.0, 5677.0, 5499.0, 5394.0, 5613.0, 5349.0, 5422.0, 5264.0, 5492.0,

						5475.0, 5457.0, 5345.0, 5464.0, 5392.0, 5660.0, 5476.0, 5428.0, 5631.0, 5416.0, 5276.0, 5711.0, 5720.0, 5446.0, 5659.0, 5650.0, 5308.0, 5306.0, 5635.0, 5480.0, 5570.0, 5251.0, 5545.0, 5339.0, 5407.0, 5465.0, 5267.0, 5626.0, 5719.0, 5546.0, 5268.0, 5452.0, 5411.0, 5304.0, 5418.0, 5296.0, 5397.0, 5622.0, 5343.0, 5372.0, 5375.0, 5534.0, 5312.0, 5630.0, 5335.0, 5557.0, 5694.0, 5287.0, 5521.0, 5657.0, 5514.0, 5610.0, 5470.0, 5603.0, 5690.0, 5322.0, 5408.0, 5347.0, 5608.0, 5517.0 (number of hits: 6)
22	5525.0	9	1.0	333	1	5373.0, 5634.0, 5642.0, 5300.0, 5667.0, 5357.0, 5492.0, 5280.0, 5573.0, 5267.0, 5615.0, 5636.0, 5306.0, 5582.0, 5575.0, 5297.0, 5543.0, 5295.0, 5538.0, 5703.0, 5336.0, 5435.0, 5388.0, 5449.0, 5431.0, 5604.0, 5568.0, 5363.0, 5312.0, 5282.0, 5701.0, 5404.0, 5686.0, 5607.0, 5539.0, 5687.0, 5591.0, 5588.0, 5467.0, 5716.0, 5512.0, 5484.0, 5473.0, 5410.0, 5563.0, 5319.0, 5347.0, 5277.0, 5602.0, 5361.0, 5455.0, 5525.0, 5586.0, 5674.0, 5453.0, 5325.0, 5677.0, 5661.0, 5308.0, 5251.0, 5558.0, 5649.0, 5468.0, 5418.0, 5651.0, 5421.0, 5335.0, 5528.0, 5476.0, 5544.0, 5442.0, 5408.0, 5616.0, 5380.0, 5461.0, 5527.0, 5596.0, 5526.0, 5645.0, 5331.0, 5498.0, 5629.0, 5632.0, 5337.0, 5520.0, 5313.0, 5717.0, 5441.0, 5463.0, 5322.0, 5265.0, 5546.0, 5646.0, 5332.0, 5617.0, 5508.0, 5496.0, 5356.0, 5519.0, 5264.0 (number of hits: 10)
23	5525.0	9	1.0	333	1	5560.0, 5674.0, 5358.0, 5686.0, 5381.0, 5394.0, 5440.0, 5687.0, 5415.0, 5504.0, 5481.0, 5343.0, 5631.0, 5506.0, 5618.0, 5710.0, 5490.0, 5352.0, 5577.0, 5495.0, 5453.0, 5644.0, 5530.0, 5401.0, 5416.0, 5320.0, 5460.0, 5283.0, 5420.0, 5516.0, 5691.0, 5341.0, 5608.0, 5359.0, 5367.0, 5633.0, 5634.0, 5695.0, 5296.0, 5434.0, 5677.0, 5350.0, 5486.0, 5696.0, 5254.0, 5714.0, 5275.0, 5382.0, 5399.0, 5585.0, 5596.0, 5601.0, 5722.0, 5422.0, 5302.0, 5285.0, 5305.0, 5579.0, 5672.0, 5436.0, 5347.0, 5582.0, 5692.0, 5581.0, 5412.0, 5494.0, 5612.0, 5408.0, 5461.0, 5666.0, 5589.0, 5713.0, 5329.0, 5334.0, 5391.0, 5688.0, 5277.0, 5331.0, 5627.0, 5635.0, 5540.0, 5411.0, 5458.0, 5448.0, 5368.0, 5493.0, 5501.0, 5654.0, 5626.0, 5361.0, 5717.0, 5340.0, 5353.0, 5526.0, 5569.0, 5716.0, 5385.0, 5466.0, 5505.0, 5561.0 (number of hits: 4)
24	5525.0	9	1.0	333	1	5676.0, 5427.0, 5319.0, 5358.0, 5398.0, 5488.0, 5661.0, 5695.0, 5392.0, 5580.0, 5464.0, 5478.0, 5430.0, 5563.0, 5366.0, 5560.0, 5453.0, 5571.0, 5715.0, 5712.0, 5527.0, 5298.0, 5376.0, 5350.0, 5598.0, 5434.0, 5318.0, 5250.0, 5716.0, 5423.0, 5390.0, 5292.0, 5330.0, 5638.0, 5485.0,

						5356.0, 5380.0, 5290.0, 5659.0, 5278.0, 5544.0, 5493.0, 5522.0, 5407.0, 5646.0, 5272.0, 5383.0, 5681.0, 5359.0, 5458.0, 5352.0, 5631.0, 5711.0, 5496.0, 5393.0, 5665.0, 5570.0, 5353.0, 5444.0, 5437.0, 5655.0, 5267.0, 5535.0, 5280.0, 5673.0, 5537.0, 5313.0, 5473.0, 5323.0, 5700.0, 5683.0, 5608.0, 5460.0, 5723.0, 5593.0, 5719.0, 5675.0, 5455.0, 5501.0, 5703.0, 5341.0, 5720.0, 5532.0, 5294.0, 5252.0, 5348.0, 5713.0, 5322.0, 5378.0, 5315.0, 5611.0, 5360.0, 5456.0, 5401.0, 5446.0, 5609.0, 5633.0, 5643.0, 5635.0, 5343.0 (number of hits: 5)
25	5525.0	9	1.0	333	1	5286.0, 5317.0, 5269.0, 5516.0, 5414.0, 5389.0, 5421.0, 5384.0, 5540.0, 5459.0, 5468.0, 5582.0, 5504.0, 5373.0, 5363.0, 5424.0, 5316.0, 5460.0, 5375.0, 5541.0, 5572.0, 5680.0, 5609.0, 5271.0, 5661.0, 5488.0, 5270.0, 5265.0, 5415.0, 5501.0, 5320.0, 5447.0, 5677.0, 5717.0, 5495.0, 5434.0, 5359.0, 5573.0, 5644.0, 5601.0, 5429.0, 5471.0, 5656.0, 5448.0, 5310.0, 5431.0, 5580.0, 5652.0, 5483.0, 5676.0, 5387.0, 5324.0, 5300.0, 5273.0, 5683.0, 5400.0, 5425.0, 5337.0, 5561.0, 5497.0, 5664.0, 5602.0, 5640.0, 5487.0, 5411.0, 5581.0, 5627.0, 5427.0, 5545.0, 5262.0, 5681.0, 5571.0, 5688.0, 5332.0, 5478.0, 5674.0, 5557.0, 5463.0, 5613.0, 5695.0, 5593.0, 5705.0, 5508.0, 5451.0, 5432.0, 5318.0, 5490.0, 5647.0, 5653.0, 5402.0, 5595.0, 5505.0, 5559.0, 5697.0, 5362.0, 5633.0, 5352.0, 5622.0, 5264.0, 5492.0 (number of hits: 4)
26	5495.0	9	1.0	333	1	5635.0, 5443.0, 5337.0, 5664.0, 5323.0, 5307.0, 5451.0, 5679.0, 5358.0, 5587.0, 5300.0, 5343.0, 5665.0, 5530.0, 5311.0, 5357.0, 5714.0, 5476.0, 5317.0, 5721.0, 5423.0, 5542.0, 5326.0, 5403.0, 5263.0, 5628.0, 5540.0, 5682.0, 5677.0, 5715.0, 5541.0, 5285.0, 5712.0, 5267.0, 5629.0, 5437.0, 5667.0, 5568.0, 5320.0, 5430.0, 5270.0, 5539.0, 5524.0, 5502.0, 5694.0, 5427.0, 5709.0, 5296.0, 5431.0, 5669.0, 5633.0, 5579.0, 5333.0, 5445.0, 5304.0, 5454.0, 5347.0, 5434.0, 5381.0, 5528.0, 5383.0, 5645.0, 5497.0, 5409.0, 5647.0, 5564.0, 5511.0, 5503.0, 5622.0, 5716.0, 5412.0, 5480.0, 5468.0, 5549.0, 5498.0, 5662.0, 5678.0, 5615.0, 5551.0, 5552.0, 5269.0, 5724.0, 5546.0, 5360.0, 5630.0, 5253.0, 5393.0, 5626.0, 5325.0, 5334.0, 5604.0, 5293.0, 5695.0, 5405.0, 5659.0, 5390.0, 5687.0, 5596.0, 5458.0, 5536.0 (number of hits: 6)
27	5495.0	9	1.0	333	1	5504.0, 5680.0, 5553.0, 5638.0, 5599.0, 5367.0, 5589.0, 5610.0, 5669.0, 5388.0, 5264.0, 5704.0, 5506.0, 5400.0, 5621.0, 5306.0, 5468.0, 5402.0, 5507.0, 5475.0, 5443.0, 5588.0, 5409.0, 5648.0, 5325.0, 5609.0, 5318.0, 5600.0, 5601.0, 5487.0,

						5710.0, 5329.0, 5454.0, 5279.0, 5404.0, 5549.0, 5285.0, 5339.0, 5531.0, 5420.0, 5688.0, 5342.0, 5343.0, 5711.0, 5359.0, 5384.0, 5702.0, 5439.0, 5251.0, 5319.0, 5687.0, 5650.0, 5459.0, 5717.0, 5681.0, 5445.0, 5640.0, 5403.0, 5470.0, 5637.0, 5252.0, 5626.0, 5335.0, 5418.0, 5693.0, 5357.0, 5337.0, 5629.0, 5447.0, 5355.0, 5577.0, 5478.0, 5501.0, 5411.0, 5571.0, 5558.0, 5307.0, 5579.0, 5300.0, 5254.0, 5473.0, 5544.0, 5593.0, 5396.0, 5358.0, 5380.0, 5382.0, 5590.0, 5462.0, 5614.0, 5460.0, 5446.0, 5652.0, 5259.0, 5573.0, 5474.0, 5641.0, 5370.0, 5434.0, 5381.0 (number of hits: 6)
28	5495.0	9	1.0	333	1	5670.0, 5682.0, 5400.0, 5436.0, 5324.0, 5590.0, 5287.0, 5529.0, 5456.0, 5325.0, 5424.0, 5658.0, 5464.0, 5552.0, 5494.0, 5694.0, 5408.0, 5389.0, 5722.0, 5275.0, 5665.0, 5649.0, 5500.0, 5593.0, 5661.0, 5410.0, 5654.0, 5344.0, 5627.0, 5638.0, 5382.0, 5359.0, 5489.0, 5487.0, 5640.0, 5457.0, 5623.0, 5616.0, 5285.0, 5349.0, 5546.0, 5415.0, 5574.0, 5482.0, 5335.0, 5366.0, 5675.0, 5477.0, 5376.0, 5639.0, 5697.0, 5358.0, 5463.0, 5394.0, 5534.0, 5255.0, 5291.0, 5561.0, 5514.0, 5606.0, 5318.0, 5644.0, 5334.0, 5549.0, 5509.0, 5609.0, 5535.0, 5539.0, 5406.0, 5444.0, 5432.0, 5387.0, 5531.0, 5497.0, 5251.0, 5580.0, 5671.0, 5381.0, 5443.0, 5362.0, 5674.0, 5399.0, 5689.0, 5687.0, 5595.0, 5666.0, 5589.0, 5459.0, 5321.0, 5523.0, 5499.0, 5490.0, 5634.0, 5298.0, 5503.0, 5646.0, 5584.0, 5396.0, 5681.0, 5452.0 (number of hits: 11)
29	5495.0	9	1.0	333	1	5515.0, 5270.0, 5496.0, 5646.0, 5597.0, 5634.0, 5358.0, 5368.0, 5512.0, 5289.0, 5696.0, 5655.0, 5503.0, 5556.0, 5374.0, 5337.0, 5489.0, 5522.0, 5492.0, 5323.0, 5287.0, 5319.0, 5463.0, 5257.0, 5508.0, 5475.0, 5509.0, 5581.0, 5480.0, 5436.0, 5372.0, 5561.0, 5599.0, 5278.0, 5616.0, 5665.0, 5676.0, 5513.0, 5362.0, 5631.0, 5484.0, 5585.0, 5700.0, 5308.0, 5555.0, 5534.0, 5640.0, 5322.0, 5711.0, 5698.0, 5548.0, 5449.0, 5685.0, 5576.0, 5441.0, 5683.0, 5288.0, 5320.0, 5628.0, 5620.0, 5470.0, 5262.0, 5618.0, 5391.0, 5349.0, 5403.0, 5535.0, 5663.0, 5383.0, 5468.0, 5251.0, 5365.0, 5526.0, 5408.0, 5639.0, 5542.0, 5723.0, 5343.0, 5348.0, 5624.0, 5325.0, 5437.0, 5651.0, 5318.0, 5467.0, 5477.0, 5717.0, 5401.0, 5398.0, 5602.0, 5280.0, 5635.0, 5598.0, 5481.0, 5703.0, 5650.0, 5255.0, 5518.0, 5533.0, 5310.0 (number of hits: 11)
30	5495.0	9	1.0	333	1	5379.0, 5618.0, 5378.0, 5321.0, 5315.0, 5414.0, 5458.0, 5295.0, 5490.0, 5542.0, 5290.0, 5603.0, 5324.0, 5266.0, 5710.0, 5634.0, 5461.0, 5590.0, 5496.0, 5593.0, 5346.0, 5433.0, 5464.0, 5358.0, 5373.0,

						5375.0, 5617.0, 5498.0, 5595.0, 5629.0, 5507.0, 5697.0, 5367.0, 5669.0, 5281.0, 5445.0, 5255.0, 5286.0, 5527.0, 5347.0, 5391.0, 5481.0, 5721.0, 5538.0, 5672.0, 5452.0, 5381.0, 5416.0, 5724.0, 5676.0, 5280.0, 5339.0, 5337.0, 5680.0, 5289.0, 5370.0, 5437.0, 5601.0, 5517.0, 5317.0, 5408.0, 5565.0, 5435.0, 5520.0, 5664.0, 5654.0, 5344.0, 5263.0, 5365.0, 5288.0, 5374.0, 5624.0, 5635.0, 5325.0, 5332.0, 5639.0, 5574.0, 5655.0, 5427.0, 5677.0, 5685.0, 5258.0, 5349.0, 5309.0, 5506.0, 5268.0, 5278.0, 5457.0, 5447.0, 5559.0, 5356.0, 5596.0, 5705.0, 5668.0, 5360.0, 5487.0, 5471.0, 5482.0, 5614.0, 5303.0 (number of hits: 8)

AP Mode
Iron Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	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

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	61	1.0	878	1
2	95	1.0	558	1
3	83	1.0	638	1
4	70	1.0	758	1
5	99	1.0	538	1
6	62	1.0	858	1
7	59	1.0	898	1
8	65	1.0	818	1
9	86	1.0	618	1
10	57	1.0	938	1
11	92	1.0	578	1
12	74	1.0	718	0
13	67	1.0	798	1
14	78	1.0	678	1
15	89	1.0	598	1
16	26	1.0	2080	1
17	53	1.0	1005	1
18	65	1.0	821	1
19	52	1.0	1027	1
20	26	1.0	2039	1
21	32	1.0	1660	1
22	19	1.0	2930	1
23	48	1.0	1100	1
24	20	1.0	2712	1
25	19	1.0	2911	1
26	41	1.0	1288	1
27	22	1.0	2447	1
28	22	1.0	2457	1
29	51	1.0	1036	1
30	25	1.0	2152	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	29	4.9	160	0
2	24	1.9	220	1
3	29	3.8	171	1
4	23	1.8	156	1
5	25	4.1	175	0
6	25	2.8	164	1
7	24	3.8	195	1
8	26	2.2	208	1
9	23	4.3	167	1
10	27	4.7	208	1
11	28	4.3	229	0
12	23	4.1	159	1
13	27	5.0	151	1
14	28	3.8	172	1
15	29	4.7	177	1
16	26	4.4	175	0
17	24	2.8	203	1
18	28	2.4	158	1
19	29	2.5	157	1
20	26	1.2	190	1
21	23	2.0	157	0
22	23	4.0	222	1
23	24	4.7	207	0
24	24	3.3	175	1
25	25	2.5	161	1
26	24	3.2	223	0
27	26	2.8	229	1
28	25	2.4	218	1
29	29	2.2	198	1
30	29	1.1	210	1
Detection Percentage: 76.7% (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	7.6	255	1
2	16	6.0	423	1
3	16	6.1	363	1
4	16	8.7	264	1
5	17	7.0	315	1
6	18	7.5	276	1
7	18	7.4	478	0
8	17	8.2	202	1
9	16	6.7	321	1
10	16	6.5	237	0
11	17	9.8	331	1
12	16	6.7	308	1
13	16	8.7	379	1
14	16	8.2	481	1
15	18	9.8	348	1
16	18	9.3	343	1
17	18	6.4	422	1
18	16	7.2	393	1
19	18	9.3	382	1
20	16	9.9	484	1
21	18	6.4	240	1
22	16	8.2	374	1
23	16	6.4	487	1
24	18	6.7	248	1
25	18	7.5	352	0
26	17	6.2	341	1
27	17	7.0	296	0
28	17	6.2	379	1
29	17	9.9	361	1
30	17	7.6	383	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	14.7	488	1
2	13	15.6	342	1
3	16	18.7	412	1
4	15	14.5	385	1
5	14	15.8	246	1
6	15	18.5	407	1
7	16	18.1	255	0
8	15	19.9	335	1
9	13	16.3	232	1
10	12	17.9	350	1
11	15	19.3	319	1
12	15	15.6	412	0
13	13	13.9	235	1
14	13	11.0	209	0
15	16	15.6	316	1
16	13	13.7	499	1
17	15	15.0	435	1
18	16	11.2	336	1
19	14	18.9	350	1
20	12	13.0	230	1
21	12	11.4	229	1
22	14	12.5	331	1
23	13	12.2	351	1
24	15	12.7	373	1
25	14	17.8	390	1
26	16	14.1	271	1
27	15	15.4	353	1
28	13	11.1	373	0
29	15	11.1	306	0
30	14	14.3	452	1
Detection Percentage: 83.3 % (>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	5498.5	1
12	5497.3	1
13	5500.5	1
14	5496.9	1
15	5496.1	1
16	5498.1	1
17	5500.1	1
18	5499.3	1
19	5497.3	1
20	5494.9	1
21	5561.8	1
22	5561.0	1
23	5559.0	1
24	5561.4	1
25	5563.8	0
26	5562.2	1
27	5561.4	1
28	5561.0	1
29	5560.2	1
30	5565.0	0
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	15	58.6	1143	1938	0.505519	1
1	2	15	63.1	1853		0.668165	
2	3	15	85.1	1077	1411	1.611632	
3	2	15	77.8	1304		2.556072	
4	2	15	86.0	1587		3.307966	
5	1	15	95.1			3.725272	
6	2	15	78.8	1892		4.053868	
7	2	15	63.1	1065		5.305222	
8	3	15	91.9	1770	1987	5.425599	
9	2	15	57.1	1629		6.313381	
10	2	15	84.3	1054		7.129445	
11	2	15	66.6	1466		7.695738	
12	2	15	82.5	1584		8.622886	
13	2	15	80.6	1701		8.796964	
14	1	15	50.4			9.993731	
15	2	15	50.1	1665		10.192435	
16	1	15	60.4			10.776587	
17	2	15	87.7	1322		11.390350	

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	6	97.4	1367		0.017529	1
1	2	6	54.7	1616		1.523524	
2	1	6	70.2			2.289516	
3	2	6	70.3	1846		2.919977	
4	2	6	93.5	1102		4.449993	
5	2	6	64.0	1146		5.282128	
6	3	6	57.2	1472	1629	5.972860	
7	3	6	52.7	1069	1091	7.167107	
8	2	6	53.9	1138		7.996745	
9	1	6	89.2			8.472205	
10	2	6	70.3	1823		9.903039	
11	3	6	80.8	1105	1129	10.749911	
12	1	6	94.5			11.668125	

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	55.6	1179	1493	0.058282	1
1	2	11	83.9	1229		1.740236	
2	2	11	76.4	1852		3.492707	
3	2	11	74.5	1712		5.962575	
4	1	11	51.0			6.102739	
5	3	11	55.5	1060	1517	8.211171	
6	2	11	86.0	1297		9.261450	
7	3	11	93.0	1888	1982	11.021861	

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	60.9			0.292191	1
1	1	11	86.2			1.032458	
2	2	11	88.4	1799		1.766823	
3	3	11	78.1	1945	1065	2.477353	
4	2	11	72.4	1745		3.581058	
5	2	11	51.1	1815		4.228105	
6	2	11	65.4	1300		5.202306	
7	3	11	73.7	1079	1400	6.186427	
8	2	11	67.3	1196		7.040327	
9	2	11	93.4	1396		7.928682	
10	3	11	78.4	1788	1445	8.780611	
11	2	11	77.6	1472		9.187074	
12	2	11	65.2	1529		9.651651	
13	2	11	84.3	1198		10.599423	
14	2	11	74.0	1665		11.780682	

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	1	10	59.3			0.892458	1
1	3	10	89.4	1507	1014	2.927942	
2	2	10	53.5	1730		3.726430	
3	3	10	72.0	1069	1679	4.685502	
4	1	10	99.4			6.165109	
5	2	10	71.6	1151		8.168383	
6	1	10	79.8			9.197204	
7	2	10	69.0	1926		11.094907	

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	9	54.3			0.139449	1
1	2	9	54.5	1295		1.498831	
2	2	9	54.1	1951		2.858354	
3	2	9	93.2	1072		4.669658	
4	2	9	67.5	1207		5.392763	
5	3	9	64.3	1220	1602	6.900677	
6	3	9	96.8	1238	1611	8.730944	
7	1	9	75.8			10.032369	
8	3	9	73.9	1555	1686	11.061180	

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	5	52.3	1613		0.023228	1
1	2	5	93.3	1847		1.936118	
2	3	5	81.8	1481	1728	3.206222	
3	3	5	72.4	1562	1136	3.709679	
4	2	5	85.5	1067		5.244897	
5	3	5	81.3	1479	1675	6.488784	
6	2	5	92.1	1977		7.944250	
7	1	5	68.7			8.470847	
8	3	5	66.9	1105	1140	9.725405	
9	2	5	50.4	1293		11.588406	

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	15	84.7	1191		0.615968	1
1	2	15	85.3	1413		1.688551	
2	1	15	99.9			2.153924	
3	2	15	81.7	1127		3.120872	
4	2	15	61.2	1192		4.196887	
5	3	15	72.7	1676	1331	5.379624	
6	2	15	67.8	1866		6.047979	
7	2	15	91.2	1350		7.793513	
8	2	15	90.9	1102		8.900362	
9	2	15	99.8	1243		9.582116	
10	3	15	83.9	1611	1671	10.478510	
11	2	15	60.8	1125		11.869782	

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	7	63.0	1500		0.514358	1
1	3	7	71.0	1157	1234	0.891301	
2	2	7	59.2	1708		1.618293	
3	1	7	74.3			2.547377	
4	1	7	54.8			3.828572	
5	1	7	69.5			4.328186	
6	2	7	85.8	1395		5.067161	
7	2	7	54.1	1714		6.285763	
8	3	7	78.2	1708	1370	7.178025	
9	2	7	61.3	1495		7.811128	
10	2	7	90.5	1686		8.152245	
11	2	7	55.4	1941		9.026858	
12	3	7	82.0	1252	1757	9.870081	
13	2	7	58.0	1802		10.653827	
14	3	7	88.3	1519	1830	11.895565	

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	60.3	1774		0.865196	
1	2	15	93.7	1097		1.412350	
2	2	15	92.1	1798		3.577471	
3	1	15	90.2			5.041044	
4	3	15	67.5	1154	1872	6.621752	1
5	1	15	88.0			7.218775	
6	2	15	81.6	1476		8.017971	
7	1	15	80.7			10.649807	
8	3	15	98.8	1885	1730	11.943411	

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	15	78.1			0.518418	
1	1	15	60.7			1.230941	
2	3	15	93.8	1775	1270	1.549959	
3	2	15	62.2	1442		2.455491	
4	1	15	63.1			3.463080	
5	1	15	60.9			4.184631	
6	2	15	75.9	1683		4.864261	
7	1	15	88.1			5.667671	
8	2	15	53.7	1915		6.368579	1
9	1	15	60.6			7.295523	
10	2	15	75.2	1367		7.977462	
11	2	15	78.8	1445		8.848051	
12	2	15	50.4	1993		9.260420	
13	2	15	80.9	1677		10.310743	
14	1	15	83.7			10.819059	
15	1	15	76.7			11.770678	

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	12	62.5	1560	1189	0.737480	1
1	2	12	64.7	1726		1.294726	
2	1	12	88.5			2.892927	
3	2	12	51.8	1672		3.686815	
4	2	12	92.1	1784		4.401630	
5	2	12	57.2	1085		5.486977	
6	2	12	65.3	1422		6.796703	
7	1	12	78.9			7.788111	
8	2	12	92.2	1537		8.227559	
9	2	12	60.5	1031		9.788684	
10	2	12	69.4	1200		10.540924	
11	2	12	83.8	1040		11.964292	

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	20	53.7			0.442766	1
1	1	20	98.9			1.297630	
2	2	20	51.7	1932		1.341773	
3	2	20	84.6	1019		2.330135	
4	1	20	82.9			2.924153	
5	1	20	99.9			3.644716	
6	2	20	85.0	1135		4.028543	
7	1	20	68.3			5.114382	
8	1	20	96.2			5.996805	
9	2	20	68.7	1313		6.468260	
10	1	20	51.0			7.089596	
11	2	20	70.6	1108		7.686352	
12	3	20	73.1	1668	1797	8.076022	
13	2	20	63.8	1578		8.913833	
14	3	20	64.9	1352	1190	9.954902	
15	3	20	76.3	1363	1166	10.207596	
16	2	20	81.4	1634		11.299445	
17	3	20	98.8	1100	1724	11.431531	

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	11	96.5	1313		0.198547	
1	1	11	84.4			1.735882	
2	3	11	63.0	1161	1467	2.785696	
3	2	11	51.3	1690		4.036968	
4	1	11	86.7			5.213507	
5	2	11	66.8	1149		6.461070	1
6	2	11	86.7	1576		7.593039	
7	2	11	89.0	1609		8.007770	
8	2	11	84.9	1143		9.505346	
9	3	11	57.9	1637	1713	10.482097	
10	2	11	54.6	1245		11.784450	

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	9	63.4	1367	1278	0.217364	
1	2	9	85.4	1760		1.165635	
2	2	9	74.8	1010		1.716341	
3	2	9	70.1	1977		2.186348	
4	2	9	88.4	1410		2.796154	
5	2	9	55.8	1274		3.648584	
6	2	9	68.5	1465		3.927837	
7	3	9	56.3	1262	1207	4.612849	
8	2	9	72.2	1391		5.514611	
9	3	9	86.2	1209	1256	5.752939	1
10	3	9	84.1	1173	1574	6.860368	
11	3	9	86.7	1025	1437	6.953263	
12	3	9	90.0	1906	1035	8.198874	
13	1	9	95.8			8.297342	
14	2	9	62.9	1808		9.318462	
15	2	9	88.3	1122		9.957028	
16	3	9	99.2	1285	1707	10.157184	
17	2	9	82.5	1423		11.268214	
18	1	9	78.1			11.964633	

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	3	14	64.1	1057	1175	0.601109	
1	1	14	85.5			1.028804	
2	2	14	66.8	1758		1.660881	
3	2	14	54.9	1123		2.245011	
4	1	14	73.7			3.507427	
5	2	14	51.3	1444		4.010782	
6	2	14	53.8	1308		4.733663	
7	1	14	79.2			4.961727	
8	2	14	55.9	1320		6.167755	1
9	2	14	88.1	1536		6.736075	
10	2	14	95.7	1468		7.261850	
11	1	14	95.9			7.803493	
12	2	14	94.7	1716		8.623654	
13	3	14	98.7	1489	1705	9.419591	
14	2	14	70.1	1288		10.417668	
15	2	14	92.5	1066		11.013590	
16	1	14	85.5			11.632825	

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	19	63.8			0.630654	
1	1	19	60.2			0.917317	
2	3	19	64.6	1783	1312	1.897465	
3	2	19	54.5	1813		2.371167	
4	3	19	59.2	1388	1230	3.038420	
5	2	19	78.6	1754		3.831604	
6	1	19	87.2			4.452383	
7	1	19	58.0			5.093005	
8	2	19	52.5	1069		5.917126	1
9	3	19	87.0	1929	1340	6.662981	
10	1	19	66.9			7.664107	
11	2	19	68.9	1033		7.816900	
12	2	19	74.8	1183		9.109497	
13	3	19	89.9	1533	1328	9.680797	
14	1	19	97.8			10.005527	
15	1	19	81.5			10.646516	
16	3	19	66.0	1462	1390	11.565155	

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	55.8			0.201548	1
1	3	17	61.9	1643	1608	1.305289	
2	2	17	64.0	1152		2.768878	
3	2	17	75.2	1677		3.102996	
4	1	17	99.6			4.566462	
5	2	17	55.7	1828		5.508014	
6	1	17	90.8			6.495777	
7	3	17	88.7	1753	1991	7.696801	
8	1	17	68.6			8.560089	
9	2	17	54.6	1096		9.794949	
10	2	17	56.8	1936		10.330690	
11	3	17	74.2	1048	1654	11.603036	

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	12	76.7			0.860670	1
1	3	12	83.3	1437	1503	1.967311	
2	2	12	73.5	1013		2.554566	
3	3	12	79.3	1908	1926	4.126327	
4	1	12	52.9			5.071433	
5	2	12	73.0	1700		6.865276	
6	2	12	90.0	1678		8.061274	
7	1	12	58.4			9.106108	
8	2	12	87.1	1842		9.679482	
9	3	12	93.5	1931	1302	11.390446	

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	6	77.7	1695		0.674761	1
1	3	6	55.2	1184	1477	1.573583	
2	3	6	68.9	1693	1293	2.609751	
3	1	6	88.9			4.127557	
4	1	6	79.1			5.427473	
5	2	6	97.8	1866		6.268161	
6	2	6	72.8	1249		8.151307	
7	2	6	58.6	1932		8.701770	
8	2	6	56.1	1529		10.468029	
9	1	6	62.5			11.441196	

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	13	52.2			0.342147	1
1	2	13	69.7	1650		1.304585	
2	1	13	82.7			1.983078	
3	3	13	92.7	1564	1984	2.687316	
4	2	13	67.1	1577		3.471463	
5	2	13	94.9	1022		4.445011	
6	2	13	55.2	1637		5.092454	
7	1	13	90.0			5.503943	
8	2	13	72.8	1424		6.431032	
9	2	13	65.8	1923		6.806412	
10	2	13	81.8	1319		7.936715	
11	2	13	67.2	1338		8.992064	
12	3	13	69.4	1281	1029	9.115083	
13	2	13	69.1	1585		10.448925	
14	2	13	85.6	1211		11.024596	
15	2	13	86.3	1190		11.984784	

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	15	59.1			1.070338	1
1	2	15	87.3	1324		1.631828	
2	3	15	53.7	1694	1825	3.246013	
3	2	15	99.8	1597		4.107045	
4	3	15	52.6	1422	1241	4.818603	
5	1	15	65.9			6.742026	
6	2	15	50.4	1507		7.554564	
7	1	15	91.5			8.610118	
8	1	15	57.7			10.113881	
9	1	15	80.3			11.995380	

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	20	96.7			0.377120	
1	2	20	80.2	1075		0.776139	
2	2	20	97.5	1295		1.474924	
3	2	20	70.1	1369		2.646136	
4	2	20	99.9	1779		3.246201	
5	2	20	71.6	1728		4.025559	
6	2	20	60.4	1267		4.844783	
7	2	20	74.9	1088		5.144634	
8	1	20	83.7			5.968138	1
9	1	20	73.2			6.734314	
10	2	20	71.5	1993		7.467833	
11	2	20	68.6	1818		7.825945	
12	2	20	70.8	1035		8.960843	
13	2	20	52.7	1784		9.339169	
14	3	20	97.2	1191	1037	9.920111	
15	1	20	89.3			10.891624	
16	2	20	99.6	1111		11.864678	

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	14	71.1	1537	1644	0.376522	1
1	2	14	53.3	1654		1.117278	
2	2	14	86.0	1187		1.694788	
3	3	14	93.9	1895	1734	2.285694	
4	3	14	97.1	1295	1034	2.405961	
5	1	14	61.8			3.523400	
6	2	14	83.0	1730		3.618414	
7	2	14	52.8	1718		4.594416	
8	3	14	99.2	1918	1762	5.222970	
9	1	14	59.2			5.860646	
10	2	14	80.9	1101		6.056509	
11	3	14	71.9	1404	1549	6.611473	
12	2	14	50.8	1812		7.232418	
13	3	14	68.6	1635	1529	8.251770	
14	1	14	90.0			8.832948	
15	3	14	59.3	1886	1532	9.256588	
16	2	14	74.9	1561		10.036656	
17	3	14	92.7	1737	1826	10.367530	
18	1	14	53.5			11.284256	
19	1	14	63.6			11.450078	

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	8	90.4	1456	1944	0.746711	0
1	3	8	53.2	1691	1606	1.135961	
2	3	8	52.8	1249	1783	1.920463	
3	1	8	75.9			2.935058	
4	1	8	99.1			4.066861	
5	2	8	98.3	1177		5.024831	
6	2	8	76.7	1255		5.213421	
7	3	8	72.6	1241	1017	6.168754	
8	3	8	75.8	1239	1568	7.414638	
9	2	8	75.2	1662		8.293982	
10	2	8	66.5	1003		9.141264	
11	3	8	86.2	1659	1723	10.019431	
12	2	8	90.3	1216		10.580056	
13	2	8	87.1	1837		11.670328	

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	12	68.6	1247		0.934473	1
1	2	12	69.5	1612		1.455387	
2	3	12	84.7	1637	1832	3.429596	
3	2	12	73.6	1692		4.855597	
4	2	12	73.2	1412		5.763305	
5	2	12	65.1	1558		7.193928	
6	3	12	71.3	1422	1848	9.109913	
7	1	12	65.4			9.427062	
8	3	12	54.7	1260	1395	11.445870	

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	14	96.1	1117	1350	0.435189	1
1	2	14	73.9	1419		1.288601	
2	2	14	88.3	1838		1.828204	
3	2	14	58.6	1672		3.309827	
4	1	14	63.5			3.606157	
5	2	14	81.2	1582		4.743365	
6	3	14	65.2	1609	1759	5.760647	
7	1	14	91.1			6.173274	
8	2	14	77.9	1874		7.158472	
9	1	14	55.6			8.154953	
10	2	14	81.0	1096		9.233553	
11	3	14	69.2	1416	1050	10.188160	
12	2	14	56.0	1931		10.857389	
13	3	14	88.3	1396	1333	11.771448	

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	1	15	93.3			0.158972	1
1	1	15	94.4			0.949486	
2	1	15	81.8			1.874623	
3	1	15	97.7			2.987131	
4	2	15	73.1	1995		4.477458	
5	3	15	85.6	1627	1077	5.326598	
6	2	15	53.9	1048		5.830129	
7	1	15	90.9			7.296481	
8	1	15	93.7			7.907446	
9	1	15	88.6			8.997956	
10	3	15	77.3	1851	1062	9.334471	
11	1	15	62.7			10.402356	
12	2	15	56.1	1837		11.980252	

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	17	87.7			0.070286	
1	3	17	89.6	1559	1026	0.810448	
2	2	17	94.5	1705		1.799248	
3	3	17	96.3	1160	1610	2.805477	
4	2	17	58.0	1878		2.851102	
5	2	17	58.8	1473		3.918862	
6	2	17	53.6	1741		4.845204	
7	3	17	86.2	1533	1940	5.578116	
8	2	17	60.5	1953		6.147870	1
9	2	17	58.7	1646		6.935567	
10	2	17	66.5	1867		7.183058	
11	2	17	69.1	1699		8.065991	
12	1	17	79.0			9.003778	
13	2	17	56.3	1273		9.871825	
14	2	17	80.3	1667		10.394034	
15	2	17	53.0	1934		10.989287	
16	1	17	67.5			11.916451	

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	54.8	1914		0.042935	
1	3	5	64.6	1934	1438	1.154535	
2	2	5	72.8	1815		1.618001	
3	2	5	72.8	1267		2.466623	
4	2	5	72.6	1061		2.957489	
5	2	5	96.8	1287		3.180608	
6	2	5	53.6	1770		4.408617	
7	2	5	58.7	1419		4.928322	
8	3	5	52.1	1908	1913	5.619313	
9	2	5	99.0	1822		6.304373	0
10	2	5	86.8	1297		6.403466	
11	3	5	68.7	1721	1902	7.350259	
12	2	5	63.7	1055		7.918466	
13	2	5	51.0	1136		8.292198	
14	2	5	83.0	1170		9.033488	
15	2	5	94.1	1383		9.774445	
16	2	5	87.0	1574		10.679368	
17	2	5	75.4	1224		11.113530	
18	1	5	60.9			11.785678	

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	5530.0	9	1.0	333	1	5520.0, 5584.0, 5647.0, 5360.0, 5659.0, 5663.0, 5352.0, 5331.0, 5617.0, 5564.0, 5255.0, 5330.0, 5614.0, 5321.0, 5337.0, 5440.0, 5545.0, 5529.0, 5644.0, 5620.0, 5590.0, 5675.0, 5439.0, 5421.0, 5350.0, 5500.0, 5307.0, 5515.0, 5260.0, 5342.0, 5339.0, 5429.0, 5692.0, 5494.0, 5580.0, 5398.0, 5408.0, 5354.0, 5402.0, 5284.0, 5485.0, 5537.0, 5636.0, 5551.0, 5316.0, 5501.0, 5310.0, 5524.0, 5505.0, 5600.0, 5348.0, 5281.0, 5320.0, 5683.0, 5377.0, 5359.0, 5364.0, 5687.0, 5523.0, 5514.0, 5327.0, 5431.0, 5569.0, 5530.0, 5680.0, 5430.0, 5691.0, 5404.0, 5702.0, 5351.0, 5587.0, 5275.0, 5628.0, 5554.0, 5637.0, 5528.0, 5297.0, 5365.0, 5679.0, 5632.0, 5345.0, 5253.0, 5250.0, 5651.0, 5409.0, 5358.0, 5619.0, 5512.0, 5487.0, 5403.0, 5452.0, 5696.0, 5668.0, 5423.0, 5458.0, 5387.0, 5372.0, 5575.0, 5689.0, 5383.0 (number of hits: 18)
2	5530.0	9	1.0	333	1	5429.0, 5262.0, 5275.0, 5633.0, 5704.0, 5678.0, 5669.0, 5386.0, 5517.0, 5439.0, 5356.0, 5312.0, 5437.0, 5474.0, 5575.0, 5412.0, 5666.0, 5657.0, 5599.0, 5456.0, 5572.0, 5274.0, 5547.0, 5350.0, 5640.0, 5502.0, 5316.0, 5554.0, 5430.0, 5631.0, 5410.0, 5536.0, 5692.0, 5465.0, 5454.0, 5259.0, 5545.0, 5587.0, 5342.0, 5367.0, 5411.0, 5577.0, 5277.0, 5648.0, 5700.0, 5294.0, 5480.0, 5423.0, 5532.0, 5695.0, 5589.0, 5428.0, 5525.0, 5555.0, 5457.0, 5476.0, 5524.0, 5397.0, 5462.0, 5483.0, 5710.0, 5546.0, 5420.0, 5670.0, 5506.0, 5707.0, 5256.0, 5442.0, 5662.0, 5507.0, 5427.0, 5688.0, 5718.0, 5522.0, 5531.0, 5334.0, 5320.0, 5392.0, 5459.0, 5611.0, 5464.0, 5579.0, 5556.0, 5306.0, 5289.0, 5565.0, 5510.0, 5422.0, 5650.0, 5675.0, 5712.0, 5713.0, 5567.0, 5676.0, 5414.0, 5685.0, 5557.0, 5635.0, 5490.0, 5503.0 (number of hits: 20)
3	5530.0	9	1.0	333	1	5494.0, 5698.0, 5371.0, 5299.0, 5593.0, 5683.0, 5646.0, 5548.0, 5588.0, 5582.0, 5499.0, 5472.0, 5364.0, 5594.0, 5676.0, 5699.0, 5509.0, 5444.0, 5460.0, 5678.0, 5445.0, 5692.0, 5482.0, 5273.0, 5628.0, 5469.0, 5465.0, 5566.0, 5457.0, 5697.0, 5339.0, 5511.0, 5574.0, 5670.0, 5568.0, 5596.0, 5647.0, 5325.0, 5256.0, 5390.0, 5416.0, 5421.0, 5362.0, 5356.0, 5346.0, 5540.0, 5292.0, 5447.0, 5615.0, 5481.0, 5639.0, 5266.0, 5281.0, 5516.0, 5524.0, 5359.0, 5617.0, 5651.0, 5515.0, 5489.0, 5255.0, 5720.0, 5618.0, 5259.0, 5680.0, 5530.0, 5723.0, 5257.0, 5463.0, 5638.0,

						5589.0, 5405.0, 5622.0, 5573.0, 5385.0, 5473.0, 5527.0, 5666.0, 5368.0, 5301.0, 5428.0, 5379.0, 5606.0, 5605.0, 5370.0, 5338.0, 5305.0, 5584.0, 5314.0, 5536.0, 5687.0, 5306.0, 5495.0, 5514.0, 5695.0, 5659.0, 5296.0, 5537.0, 5711.0, 5595.0 (number of hits: 16)
4	5530.0	9	1.0	333	1	5393.0, 5324.0, 5537.0, 5367.0, 5657.0, 5452.0, 5417.0, 5585.0, 5550.0, 5650.0, 5691.0, 5542.0, 5272.0, 5701.0, 5455.0, 5289.0, 5634.0, 5311.0, 5702.0, 5581.0, 5263.0, 5489.0, 5713.0, 5669.0, 5699.0, 5552.0, 5706.0, 5709.0, 5708.0, 5318.0, 5676.0, 5631.0, 5589.0, 5548.0, 5282.0, 5280.0, 5505.0, 5254.0, 5308.0, 5390.0, 5277.0, 5361.0, 5544.0, 5331.0, 5315.0, 5347.0, 5326.0, 5267.0, 5559.0, 5279.0, 5497.0, 5253.0, 5532.0, 5525.0, 5334.0, 5471.0, 5413.0, 5527.0, 5515.0, 5512.0, 5635.0, 5269.0, 5257.0, 5327.0, 5618.0, 5513.0, 5295.0, 5256.0, 5461.0, 5251.0, 5314.0, 5615.0, 5565.0, 5457.0, 5612.0, 5441.0, 5294.0, 5484.0, 5553.0, 5590.0, 5410.0, 5340.0, 5594.0, 5285.0, 5310.0, 5643.0, 5632.0, 5425.0, 5344.0, 5283.0, 5693.0, 5724.0, 5605.0, 5338.0, 5365.0, 5690.0, 5460.0, 5402.0, 5674.0, 5610.0 (number of hits: 17)
5	5530.0	9	1.0	333	1	5509.0, 5333.0, 5373.0, 5282.0, 5647.0, 5547.0, 5670.0, 5398.0, 5338.0, 5325.0, 5705.0, 5383.0, 5499.0, 5255.0, 5474.0, 5453.0, 5468.0, 5674.0, 5637.0, 5369.0, 5667.0, 5648.0, 5279.0, 5313.0, 5425.0, 5345.0, 5609.0, 5681.0, 5263.0, 5476.0, 5479.0, 5564.0, 5266.0, 5434.0, 5565.0, 5633.0, 5309.0, 5720.0, 5646.0, 5569.0, 5274.0, 5342.0, 5350.0, 5622.0, 5445.0, 5701.0, 5477.0, 5267.0, 5378.0, 5379.0, 5429.0, 5385.0, 5431.0, 5572.0, 5611.0, 5626.0, 5446.0, 5686.0, 5714.0, 5690.0, 5713.0, 5311.0, 5592.0, 5522.0, 5285.0, 5682.0, 5327.0, 5556.0, 5473.0, 5433.0, 5702.0, 5558.0, 5292.0, 5423.0, 5573.0, 5451.0, 5508.0, 5634.0, 5566.0, 5515.0, 5324.0, 5424.0, 5687.0, 5409.0, 5455.0, 5404.0, 5465.0, 5629.0, 5315.0, 5628.0, 5320.0, 5471.0, 5570.0, 5253.0, 5387.0, 5366.0, 5469.0, 5529.0, 5413.0, 5358.0 (number of hits: 12)
6	5530.0	9	1.0	333	1	5520.0, 5712.0, 5295.0, 5459.0, 5440.0, 5344.0, 5317.0, 5569.0, 5411.0, 5412.0, 5434.0, 5628.0, 5592.0, 5265.0, 5480.0, 5389.0, 5405.0, 5308.0, 5457.0, 5652.0, 5536.0, 5521.0, 5671.0, 5524.0, 5617.0, 5311.0, 5260.0, 5460.0, 5340.0, 5403.0, 5281.0, 5450.0, 5702.0, 5261.0, 5343.0, 5328.0, 5568.0, 5468.0, 5582.0, 5425.0, 5371.0, 5594.0, 5674.0, 5285.0, 5323.0, 5578.0, 5545.0, 5397.0, 5314.0, 5542.0, 5668.0, 5330.0, 5563.0, 5556.0, 5447.0, 5342.0, 5490.0, 5266.0, 5482.0, 5644.0, 5484.0, 5687.0, 5469.0, 5375.0, 5518.0,

						5703.0, 5709.0, 5262.0, 5291.0, 5259.0, 5349.0, 5364.0, 5303.0, 5530.0, 5479.0, 5446.0, 5309.0, 5466.0, 5516.0, 5554.0, 5661.0, 5718.0, 5722.0, 5565.0, 5358.0, 5366.0, 5721.0, 5321.0, 5637.0, 5663.0, 5432.0, 5640.0, 5313.0, 5649.0, 5665.0, 5267.0, 5669.0, 5675.0, 5274.0, 5611.0 (number of hits: 13)
7	5530.0	9	1.0	333	1	5632.0, 5416.0, 5652.0, 5425.0, 5396.0, 5570.0, 5479.0, 5719.0, 5405.0, 5675.0, 5453.0, 5709.0, 5617.0, 5343.0, 5634.0, 5367.0, 5501.0, 5272.0, 5369.0, 5252.0, 5394.0, 5349.0, 5717.0, 5553.0, 5659.0, 5456.0, 5715.0, 5279.0, 5559.0, 5332.0, 5666.0, 5512.0, 5515.0, 5695.0, 5592.0, 5300.0, 5482.0, 5510.0, 5308.0, 5277.0, 5296.0, 5662.0, 5338.0, 5454.0, 5330.0, 5450.0, 5319.0, 5586.0, 5299.0, 5295.0, 5646.0, 5583.0, 5455.0, 5253.0, 5699.0, 5464.0, 5623.0, 5294.0, 5409.0, 5415.0, 5493.0, 5355.0, 5660.0, 5723.0, 5259.0, 5635.0, 5433.0, 5452.0, 5605.0, 5263.0, 5584.0, 5368.0, 5550.0, 5683.0, 5577.0, 5379.0, 5513.0, 5325.0, 5419.0, 5523.0, 5290.0, 5378.0, 5587.0, 5382.0, 5432.0, 5470.0, 5582.0, 5404.0, 5400.0, 5500.0, 5568.0, 5608.0, 5613.0, 5522.0, 5571.0, 5496.0, 5514.0, 5663.0, 5428.0, 5648.0 (number of hits: 14)
8	5530.0	9	1.0	333	1	5492.0, 5602.0, 5719.0, 5297.0, 5431.0, 5412.0, 5357.0, 5309.0, 5639.0, 5291.0, 5538.0, 5617.0, 5295.0, 5618.0, 5409.0, 5463.0, 5342.0, 5386.0, 5721.0, 5532.0, 5534.0, 5315.0, 5462.0, 5662.0, 5527.0, 5437.0, 5406.0, 5610.0, 5283.0, 5445.0, 5633.0, 5350.0, 5714.0, 5524.0, 5716.0, 5623.0, 5650.0, 5590.0, 5317.0, 5263.0, 5510.0, 5521.0, 5347.0, 5394.0, 5382.0, 5340.0, 5647.0, 5686.0, 5373.0, 5458.0, 5500.0, 5368.0, 5341.0, 5262.0, 5494.0, 5612.0, 5338.0, 5579.0, 5703.0, 5319.0, 5720.0, 5523.0, 5710.0, 5439.0, 5322.0, 5593.0, 5292.0, 5533.0, 5558.0, 5367.0, 5438.0, 5273.0, 5387.0, 5301.0, 5464.0, 5326.0, 5288.0, 5541.0, 5679.0, 5493.0, 5400.0, 5370.0, 5676.0, 5432.0, 5567.0, 5575.0, 5687.0, 5605.0, 5294.0, 5467.0, 5369.0, 5483.0, 5514.0, 5711.0, 5385.0, 5428.0, 5389.0, 5336.0, 5677.0, 5430.0 (number of hits: 15)
9	5530.0	9	1.0	333	1	5320.0, 5555.0, 5400.0, 5528.0, 5598.0, 5388.0, 5394.0, 5441.0, 5372.0, 5370.0, 5385.0, 5678.0, 5404.0, 5654.0, 5318.0, 5648.0, 5693.0, 5592.0, 5348.0, 5347.0, 5445.0, 5319.0, 5566.0, 5497.0, 5453.0, 5538.0, 5287.0, 5605.0, 5677.0, 5332.0, 5285.0, 5690.0, 5481.0, 5377.0, 5550.0, 5284.0, 5265.0, 5609.0, 5479.0, 5338.0, 5530.0, 5478.0, 5276.0, 5674.0, 5669.0, 5472.0, 5552.0, 5569.0, 5253.0, 5689.0, 5621.0, 5624.0, 5409.0, 5675.0, 5722.0, 5553.0, 5292.0, 5488.0, 5450.0, 5381.0,

						5541.0, 5427.0, 5431.0, 5629.0, 5395.0, 5720.0, 5524.0, 5532.0, 5615.0, 5300.0, 5607.0, 5333.0, 5443.0, 5270.0, 5434.0, 5484.0, 5714.0, 5391.0, 5713.0, 5272.0, 5576.0, 5322.0, 5650.0, 5721.0, 5468.0, 5655.0, 5622.0, 5554.0, 5399.0, 5575.0, 5306.0, 5668.0, 5516.0, 5267.0, 5653.0, 5699.0, 5354.0, 5715.0, 5389.0, 5263.0 (number of hits: 14)
10	5530.0	9	1.0	333	1	5376.0, 5523.0, 5322.0, 5533.0, 5598.0, 5667.0, 5437.0, 5259.0, 5675.0, 5347.0, 5674.0, 5304.0, 5692.0, 5300.0, 5359.0, 5645.0, 5302.0, 5314.0, 5574.0, 5431.0, 5515.0, 5461.0, 5590.0, 5483.0, 5681.0, 5720.0, 5514.0, 5610.0, 5500.0, 5473.0, 5630.0, 5607.0, 5651.0, 5441.0, 5661.0, 5629.0, 5513.0, 5308.0, 5487.0, 5311.0, 5519.0, 5573.0, 5310.0, 5688.0, 5717.0, 5395.0, 5303.0, 5317.0, 5567.0, 5577.0, 5294.0, 5628.0, 5467.0, 5440.0, 5415.0, 5595.0, 5662.0, 5679.0, 5352.0, 5422.0, 5540.0, 5648.0, 5342.0, 5559.0, 5511.0, 5471.0, 5508.0, 5255.0, 5572.0, 5691.0, 5474.0, 5496.0, 5586.0, 5349.0, 5296.0, 5281.0, 5589.0, 5631.0, 5637.0, 5253.0, 5557.0, 5524.0, 5613.0, 5315.0, 5343.0, 5525.0, 5673.0, 5709.0, 5477.0, 5503.0, 5700.0, 5387.0, 5635.0, 5505.0, 5712.0, 5272.0, 5497.0, 5602.0, 5295.0, 5278.0 (number of hits: 18)
11	5530.0	9	1.0	333	1	5672.0, 5610.0, 5651.0, 5663.0, 5560.0, 5713.0, 5391.0, 5300.0, 5376.0, 5303.0, 5322.0, 5681.0, 5354.0, 5269.0, 5515.0, 5595.0, 5463.0, 5357.0, 5615.0, 5287.0, 5387.0, 5690.0, 5532.0, 5613.0, 5353.0, 5686.0, 5326.0, 5696.0, 5444.0, 5333.0, 5364.0, 5699.0, 5435.0, 5572.0, 5600.0, 5541.0, 5709.0, 5674.0, 5486.0, 5648.0, 5544.0, 5693.0, 5511.0, 5677.0, 5691.0, 5351.0, 5661.0, 5526.0, 5292.0, 5493.0, 5271.0, 5453.0, 5345.0, 5655.0, 5637.0, 5602.0, 5481.0, 5341.0, 5635.0, 5309.0, 5650.0, 5494.0, 5588.0, 5394.0, 5505.0, 5433.0, 5457.0, 5306.0, 5360.0, 5694.0, 5438.0, 5587.0, 5460.0, 5343.0, 5395.0, 5720.0, 5408.0, 5578.0, 5575.0, 5571.0, 5703.0, 5432.0, 5413.0, 5680.0, 5468.0, 5563.0, 5512.0, 5467.0, 5611.0, 5621.0, 5688.0, 5279.0, 5324.0, 5583.0, 5667.0, 5529.0, 5707.0, 5599.0, 5301.0, 5367.0 (number of hits: 13)
12	5530.0	9	1.0	333	1	5613.0, 5615.0, 5355.0, 5448.0, 5445.0, 5581.0, 5558.0, 5391.0, 5399.0, 5637.0, 5398.0, 5514.0, 5688.0, 5616.0, 5513.0, 5291.0, 5628.0, 5610.0, 5319.0, 5577.0, 5477.0, 5545.0, 5532.0, 5599.0, 5617.0, 5302.0, 5703.0, 5287.0, 5324.0, 5483.0, 5396.0, 5527.0, 5608.0, 5363.0, 5693.0, 5387.0, 5523.0, 5390.0, 5464.0, 5356.0, 5559.0, 5386.0, 5473.0, 5597.0, 5455.0, 5378.0, 5389.0, 5293.0, 5317.0, 5531.0, 5619.0, 5393.0, 5496.0, 5301.0, 5422.0,

						5459.0, 5591.0, 5668.0, 5699.0, 5284.0, 5470.0, 5251.0, 5561.0, 5487.0, 5413.0, 5262.0, 5285.0, 5283.0, 5723.0, 5331.0, 5409.0, 5469.0, 5303.0, 5510.0, 5475.0, 5380.0, 5697.0, 5276.0, 5327.0, 5620.0, 5504.0, 5441.0, 5289.0, 5439.0, 5714.0, 5534.0, 5689.0, 5573.0, 5345.0, 5667.0, 5484.0, 5256.0, 5421.0, 5656.0, 5271.0, 5275.0, 5330.0, 5553.0, 5713.0, 5282.0 (number of hits: 15)
13	5530.0	9	1.0	333	1	5681.0, 5306.0, 5568.0, 5311.0, 5293.0, 5252.0, 5694.0, 5492.0, 5685.0, 5715.0, 5387.0, 5487.0, 5619.0, 5594.0, 5703.0, 5265.0, 5421.0, 5316.0, 5292.0, 5714.0, 5548.0, 5439.0, 5302.0, 5437.0, 5378.0, 5580.0, 5546.0, 5587.0, 5423.0, 5340.0, 5645.0, 5384.0, 5444.0, 5380.0, 5522.0, 5424.0, 5286.0, 5497.0, 5313.0, 5541.0, 5702.0, 5517.0, 5672.0, 5607.0, 5436.0, 5398.0, 5418.0, 5273.0, 5339.0, 5470.0, 5422.0, 5481.0, 5266.0, 5642.0, 5585.0, 5447.0, 5300.0, 5610.0, 5467.0, 5338.0, 5389.0, 5345.0, 5529.0, 5277.0, 5588.0, 5321.0, 5674.0, 5530.0, 5383.0, 5533.0, 5412.0, 5544.0, 5465.0, 5637.0, 5651.0, 5438.0, 5493.0, 5526.0, 5346.0, 5603.0, 5719.0, 5315.0, 5479.0, 5711.0, 5690.0, 5663.0, 5259.0, 5405.0, 5684.0, 5575.0, 5261.0, 5430.0, 5515.0, 5636.0, 5482.0, 5614.0, 5369.0, 5320.0, 5655.0, 5649.0 (number of hits: 13)
14	5530.0	9	1.0	333	1	5618.0, 5699.0, 5330.0, 5544.0, 5574.0, 5300.0, 5276.0, 5708.0, 5403.0, 5423.0, 5646.0, 5277.0, 5616.0, 5271.0, 5641.0, 5415.0, 5288.0, 5254.0, 5361.0, 5443.0, 5499.0, 5428.0, 5631.0, 5466.0, 5601.0, 5446.0, 5540.0, 5629.0, 5650.0, 5302.0, 5648.0, 5661.0, 5341.0, 5567.0, 5503.0, 5659.0, 5619.0, 5638.0, 5316.0, 5425.0, 5543.0, 5261.0, 5557.0, 5529.0, 5463.0, 5363.0, 5518.0, 5354.0, 5655.0, 5533.0, 5604.0, 5539.0, 5424.0, 5289.0, 5506.0, 5535.0, 5560.0, 5340.0, 5548.0, 5350.0, 5375.0, 5304.0, 5292.0, 5485.0, 5459.0, 5581.0, 5326.0, 5303.0, 5607.0, 5465.0, 5595.0, 5562.0, 5528.0, 5442.0, 5294.0, 5253.0, 5701.0, 5622.0, 5469.0, 5487.0, 5613.0, 5687.0, 5274.0, 5724.0, 5505.0, 5689.0, 5427.0, 5440.0, 5381.0, 5310.0, 5390.0, 5621.0, 5494.0, 5568.0, 5610.0, 5286.0, 5711.0, 5519.0, 5656.0, 5583.0 (number of hits: 19)
15	5530.0	9	1.0	333	1	5294.0, 5520.0, 5318.0, 5376.0, 5523.0, 5451.0, 5331.0, 5495.0, 5583.0, 5282.0, 5474.0, 5717.0, 5410.0, 5515.0, 5475.0, 5299.0, 5536.0, 5614.0, 5335.0, 5322.0, 5452.0, 5314.0, 5396.0, 5655.0, 5291.0, 5587.0, 5486.0, 5296.0, 5458.0, 5485.0, 5705.0, 5613.0, 5577.0, 5487.0, 5488.0, 5569.0, 5479.0, 5264.0, 5527.0, 5290.0, 5672.0, 5273.0, 5287.0, 5654.0, 5496.0, 5702.0, 5722.0, 5381.0, 5555.0, 5394.0,

						5576.0, 5628.0, 5491.0, 5430.0, 5560.0, 5692.0, 5677.0, 5542.0, 5406.0, 5589.0, 5333.0, 5691.0, 5387.0, 5434.0, 5456.0, 5326.0, 5659.0, 5346.0, 5679.0, 5321.0, 5683.0, 5712.0, 5470.0, 5271.0, 5330.0, 5609.0, 5556.0, 5509.0, 5435.0, 5310.0, 5665.0, 5293.0, 5631.0, 5480.0, 5713.0, 5341.0, 5301.0, 5584.0, 5342.0, 5373.0, 5319.0, 5635.0, 5529.0, 5361.0, 5356.0, 5278.0, 5364.0, 5439.0, 5710.0, 5568.0 (number of hits: 13)
16	5530.0	9	1.0	333	1	5280.0, 5455.0, 5441.0, 5659.0, 5497.0, 5698.0, 5710.0, 5584.0, 5594.0, 5381.0, 5606.0, 5587.0, 5437.0, 5718.0, 5503.0, 5272.0, 5693.0, 5707.0, 5663.0, 5654.0, 5356.0, 5555.0, 5695.0, 5282.0, 5315.0, 5446.0, 5607.0, 5647.0, 5534.0, 5547.0, 5670.0, 5721.0, 5468.0, 5476.0, 5622.0, 5406.0, 5259.0, 5548.0, 5327.0, 5442.0, 5624.0, 5269.0, 5480.0, 5537.0, 5486.0, 5520.0, 5298.0, 5425.0, 5556.0, 5449.0, 5636.0, 5410.0, 5685.0, 5440.0, 5692.0, 5649.0, 5621.0, 5595.0, 5717.0, 5400.0, 5393.0, 5667.0, 5494.0, 5551.0, 5582.0, 5543.0, 5652.0, 5617.0, 5614.0, 5528.0, 5700.0, 5722.0, 5297.0, 5648.0, 5255.0, 5359.0, 5550.0, 5514.0, 5409.0, 5470.0, 5353.0, 5611.0, 5684.0, 5405.0, 5306.0, 5626.0, 5680.0, 5541.0, 5469.0, 5590.0, 5348.0, 5490.0, 5335.0, 5363.0, 5694.0, 5604.0, 5338.0, 5284.0, 5471.0, 5404.0 (number of hits: 16)
17	5530.0	9	1.0	333	1	5409.0, 5332.0, 5623.0, 5706.0, 5624.0, 5426.0, 5451.0, 5265.0, 5468.0, 5272.0, 5358.0, 5310.0, 5301.0, 5505.0, 5463.0, 5281.0, 5367.0, 5394.0, 5716.0, 5709.0, 5602.0, 5307.0, 5682.0, 5259.0, 5513.0, 5450.0, 5377.0, 5305.0, 5387.0, 5329.0, 5540.0, 5675.0, 5616.0, 5404.0, 5527.0, 5560.0, 5670.0, 5632.0, 5653.0, 5641.0, 5692.0, 5590.0, 5479.0, 5293.0, 5507.0, 5568.0, 5362.0, 5384.0, 5327.0, 5477.0, 5299.0, 5252.0, 5483.0, 5614.0, 5496.0, 5257.0, 5335.0, 5262.0, 5453.0, 5464.0, 5676.0, 5287.0, 5401.0, 5599.0, 5664.0, 5391.0, 5366.0, 5701.0, 5381.0, 5438.0, 5685.0, 5591.0, 5447.0, 5440.0, 5558.0, 5484.0, 5416.0, 5515.0, 5300.0, 5542.0, 5638.0, 5518.0, 5659.0, 5490.0, 5711.0, 5621.0, 5392.0, 5333.0, 5276.0, 5455.0, 5644.0, 5285.0, 5368.0, 5634.0, 5493.0, 5570.0, 5251.0, 5723.0, 5633.0, 5412.0 (number of hits: 12)
18	5530.0	9	1.0	333	1	5358.0, 5311.0, 5252.0, 5714.0, 5694.0, 5404.0, 5603.0, 5380.0, 5313.0, 5542.0, 5496.0, 5723.0, 5638.0, 5605.0, 5719.0, 5445.0, 5529.0, 5526.0, 5606.0, 5712.0, 5403.0, 5301.0, 5282.0, 5637.0, 5366.0, 5520.0, 5523.0, 5692.0, 5302.0, 5386.0, 5330.0, 5670.0, 5444.0, 5474.0, 5718.0, 5320.0, 5344.0, 5562.0, 5555.0, 5258.0, 5476.0, 5640.0, 5295.0, 5644.0, 5405.0,

						5715.0, 5689.0, 5437.0, 5319.0, 5277.0, 5414.0, 5269.0, 5607.0, 5538.0, 5709.0, 5666.0, 5683.0, 5385.0, 5505.0, 5642.0, 5679.0, 5393.0, 5721.0, 5541.0, 5420.0, 5361.0, 5408.0, 5417.0, 5535.0, 5410.0, 5531.0, 5332.0, 5421.0, 5580.0, 5594.0, 5469.0, 5563.0, 5362.0, 5697.0, 5317.0, 5480.0, 5416.0, 5322.0, 5688.0, 5448.0, 5275.0, 5657.0, 5389.0, 5566.0, 5276.0, 5495.0, 5425.0, 5722.0, 5422.0, 5490.0, 5678.0, 5510.0, 5634.0, 5545.0, 5287.0 (number of hits: 18)
19	5530.0	9	1.0	333	1	5296.0, 5508.0, 5553.0, 5686.0, 5562.0, 5463.0, 5449.0, 5620.0, 5645.0, 5377.0, 5412.0, 5324.0, 5317.0, 5411.0, 5360.0, 5432.0, 5265.0, 5351.0, 5585.0, 5438.0, 5455.0, 5406.0, 5303.0, 5310.0, 5505.0, 5702.0, 5283.0, 5611.0, 5268.0, 5467.0, 5366.0, 5711.0, 5491.0, 5348.0, 5370.0, 5614.0, 5285.0, 5607.0, 5476.0, 5337.0, 5308.0, 5374.0, 5543.0, 5536.0, 5521.0, 5544.0, 5410.0, 5299.0, 5382.0, 5431.0, 5420.0, 5398.0, 5260.0, 5650.0, 5590.0, 5542.0, 5464.0, 5331.0, 5599.0, 5312.0, 5581.0, 5587.0, 5426.0, 5512.0, 5408.0, 5457.0, 5443.0, 5396.0, 5384.0, 5518.0, 5390.0, 5307.0, 5700.0, 5281.0, 5436.0, 5696.0, 5304.0, 5340.0, 5383.0, 5418.0, 5551.0, 5315.0, 5715.0, 5490.0, 5472.0, 5683.0, 5486.0, 5391.0, 5452.0, 5608.0, 5666.0, 5290.0, 5275.0, 5525.0, 5353.0, 5530.0, 5681.0, 5356.0, 5372.0, 5721.0 (number of hits: 14)
20	5530.0	9	1.0	333	1	5432.0, 5353.0, 5667.0, 5527.0, 5475.0, 5438.0, 5626.0, 5296.0, 5556.0, 5313.0, 5444.0, 5640.0, 5671.0, 5387.0, 5721.0, 5319.0, 5514.0, 5560.0, 5252.0, 5509.0, 5502.0, 5634.0, 5692.0, 5375.0, 5672.0, 5332.0, 5350.0, 5573.0, 5563.0, 5549.0, 5479.0, 5287.0, 5510.0, 5306.0, 5295.0, 5699.0, 5495.0, 5305.0, 5547.0, 5656.0, 5631.0, 5384.0, 5665.0, 5423.0, 5637.0, 5529.0, 5275.0, 5602.0, 5541.0, 5697.0, 5376.0, 5624.0, 5436.0, 5704.0, 5485.0, 5645.0, 5468.0, 5571.0, 5658.0, 5429.0, 5283.0, 5636.0, 5499.0, 5505.0, 5311.0, 5409.0, 5567.0, 5291.0, 5627.0, 5635.0, 5705.0, 5612.0, 5424.0, 5506.0, 5719.0, 5516.0, 5679.0, 5370.0, 5261.0, 5446.0, 5710.0, 5517.0, 5314.0, 5648.0, 5418.0, 5326.0, 5619.0, 5579.0, 5678.0, 5482.0, 5403.0, 5321.0, 5437.0, 5546.0, 5649.0, 5543.0, 5480.0, 5644.0, 5700.0, 5325.0 (number of hits: 20)
21	5530.0	9	1.0	333	1	5271.0, 5640.0, 5590.0, 5715.0, 5587.0, 5578.0, 5538.0, 5499.0, 5699.0, 5477.0, 5338.0, 5601.0, 5335.0, 5687.0, 5593.0, 5539.0, 5614.0, 5424.0, 5297.0, 5418.0, 5609.0, 5303.0, 5521.0, 5532.0, 5355.0, 5420.0, 5648.0, 5585.0, 5324.0, 5543.0, 5676.0, 5683.0, 5345.0, 5673.0, 5469.0, 5686.0, 5373.0, 5274.0, 5422.0, 5401.0,

						5642.0, 5503.0, 5674.0, 5678.0, 5695.0, 5423.0, 5442.0, 5550.0, 5694.0, 5663.0, 5464.0, 5342.0, 5557.0, 5296.0, 5624.0, 5444.0, 5322.0, 5385.0, 5652.0, 5413.0, 5498.0, 5277.0, 5560.0, 5284.0, 5641.0, 5535.0, 5453.0, 5513.0, 5278.0, 5416.0, 5411.0, 5388.0, 5658.0, 5316.0, 5430.0, 5485.0, 5618.0, 5471.0, 5506.0, 5343.0, 5347.0, 5703.0, 5421.0, 5556.0, 5334.0, 5645.0, 5455.0, 5524.0, 5665.0, 5370.0, 5440.0, 5553.0, 5289.0, 5315.0, 5292.0, 5337.0, 5415.0, 5569.0, 5586.0, 5510.0 (number of hits: 18)
22	5530.0	9	1.0	333	1	5454.0, 5296.0, 5651.0, 5532.0, 5630.0, 5615.0, 5721.0, 5541.0, 5363.0, 5254.0, 5639.0, 5589.0, 5563.0, 5634.0, 5464.0, 5311.0, 5335.0, 5603.0, 5493.0, 5362.0, 5282.0, 5501.0, 5723.0, 5643.0, 5361.0, 5652.0, 5671.0, 5569.0, 5720.0, 5418.0, 5558.0, 5397.0, 5444.0, 5571.0, 5439.0, 5620.0, 5394.0, 5577.0, 5649.0, 5665.0, 5392.0, 5475.0, 5585.0, 5373.0, 5377.0, 5447.0, 5293.0, 5269.0, 5627.0, 5599.0, 5463.0, 5426.0, 5477.0, 5474.0, 5625.0, 5690.0, 5451.0, 5533.0, 5509.0, 5462.0, 5414.0, 5616.0, 5514.0, 5251.0, 5266.0, 5437.0, 5434.0, 5354.0, 5353.0, 5594.0, 5438.0, 5350.0, 5458.0, 5586.0, 5555.0, 5504.0, 5490.0, 5259.0, 5284.0, 5546.0, 5554.0, 5669.0, 5517.0, 5681.0, 5506.0, 5276.0, 5368.0, 5505.0, 5411.0, 5632.0, 5702.0, 5456.0, 5478.0, 5468.0, 5301.0, 5337.0, 5467.0, 5374.0, 5564.0, 5405.0 (number of hits: 17)
23	5530.0	9	1.0	333	1	5426.0, 5609.0, 5439.0, 5382.0, 5549.0, 5594.0, 5680.0, 5421.0, 5386.0, 5607.0, 5566.0, 5489.0, 5352.0, 5562.0, 5514.0, 5589.0, 5461.0, 5626.0, 5448.0, 5491.0, 5584.0, 5640.0, 5530.0, 5618.0, 5292.0, 5405.0, 5520.0, 5278.0, 5634.0, 5529.0, 5579.0, 5303.0, 5698.0, 5335.0, 5430.0, 5629.0, 5474.0, 5610.0, 5424.0, 5528.0, 5526.0, 5298.0, 5460.0, 5613.0, 5721.0, 5513.0, 5455.0, 5434.0, 5572.0, 5343.0, 5505.0, 5322.0, 5564.0, 5321.0, 5578.0, 5308.0, 5574.0, 5466.0, 5253.0, 5570.0, 5375.0, 5407.0, 5283.0, 5402.0, 5604.0, 5527.0, 5280.0, 5595.0, 5435.0, 5261.0, 5319.0, 5512.0, 5539.0, 5616.0, 5509.0, 5605.0, 5304.0, 5264.0, 5391.0, 5624.0, 5262.0, 5683.0, 5592.0, 5443.0, 5494.0, 5354.0, 5463.0, 5518.0, 5378.0, 5542.0, 5384.0, 5465.0, 5565.0, 5256.0, 5399.0, 5276.0, 5676.0, 5464.0, 5625.0, 5259.0 (number of hits: 20)
24	5530.0	9	1.0	333	1	5505.0, 5545.0, 5363.0, 5279.0, 5484.0, 5659.0, 5347.0, 5301.0, 5713.0, 5372.0, 5546.0, 5423.0, 5576.0, 5305.0, 5317.0, 5354.0, 5434.0, 5663.0, 5441.0, 5369.0, 5467.0, 5266.0, 5339.0, 5532.0, 5355.0, 5565.0, 5489.0, 5324.0, 5498.0, 5403.0, 5513.0, 5384.0, 5311.0, 5643.0, 5444.0,

						5585.0, 5653.0, 5449.0, 5381.0, 5656.0, 5509.0, 5607.0, 5450.0, 5678.0, 5258.0, 5500.0, 5572.0, 5486.0, 5580.0, 5396.0, 5392.0, 5669.0, 5470.0, 5418.0, 5322.0, 5367.0, 5511.0, 5575.0, 5569.0, 5326.0, 5385.0, 5257.0, 5465.0, 5506.0, 5309.0, 5256.0, 5343.0, 5386.0, 5409.0, 5581.0, 5469.0, 5578.0, 5636.0, 5574.0, 5342.0, 5691.0, 5288.0, 5650.0, 5537.0, 5619.0, 5715.0, 5487.0, 5542.0, 5562.0, 5299.0, 5261.0, 5564.0, 5639.0, 5321.0, 5646.0, 5314.0, 5267.0, 5510.0, 5615.0, 5680.0, 5517.0, 5702.0, 5632.0, 5611.0, 5707.0 (number of hits: 17)
25	5530.0	9	1.0	333	1	5633.0, 5377.0, 5718.0, 5629.0, 5412.0, 5570.0, 5713.0, 5445.0, 5548.0, 5651.0, 5656.0, 5556.0, 5498.0, 5665.0, 5418.0, 5386.0, 5385.0, 5654.0, 5496.0, 5364.0, 5510.0, 5435.0, 5580.0, 5471.0, 5706.0, 5719.0, 5583.0, 5338.0, 5283.0, 5286.0, 5688.0, 5342.0, 5632.0, 5484.0, 5545.0, 5673.0, 5723.0, 5509.0, 5611.0, 5681.0, 5281.0, 5251.0, 5305.0, 5501.0, 5522.0, 5657.0, 5325.0, 5367.0, 5331.0, 5290.0, 5560.0, 5368.0, 5670.0, 5332.0, 5327.0, 5255.0, 5306.0, 5703.0, 5431.0, 5438.0, 5626.0, 5714.0, 5506.0, 5409.0, 5324.0, 5630.0, 5443.0, 5617.0, 5676.0, 5525.0, 5447.0, 5500.0, 5358.0, 5457.0, 5687.0, 5481.0, 5675.0, 5489.0, 5543.0, 5700.0, 5469.0, 5477.0, 5512.0, 5269.0, 5494.0, 5458.0, 5354.0, 5715.0, 5686.0, 5497.0, 5488.0, 5270.0, 5474.0, 5421.0, 5365.0, 5335.0, 5472.0, 5463.0, 5696.0, 5303.0 (number of hits: 17)
26	5530.0	9	1.0	333	1	5392.0, 5645.0, 5403.0, 5413.0, 5488.0, 5539.0, 5709.0, 5643.0, 5533.0, 5384.0, 5695.0, 5667.0, 5626.0, 5696.0, 5524.0, 5594.0, 5337.0, 5701.0, 5525.0, 5450.0, 5592.0, 5498.0, 5323.0, 5344.0, 5272.0, 5518.0, 5433.0, 5621.0, 5719.0, 5462.0, 5538.0, 5567.0, 5687.0, 5599.0, 5349.0, 5338.0, 5361.0, 5391.0, 5603.0, 5408.0, 5494.0, 5718.0, 5669.0, 5350.0, 5591.0, 5347.0, 5545.0, 5523.0, 5324.0, 5287.0, 5589.0, 5434.0, 5253.0, 5296.0, 5651.0, 5293.0, 5417.0, 5609.0, 5471.0, 5292.0, 5513.0, 5508.0, 5313.0, 5509.0, 5302.0, 5604.0, 5495.0, 5261.0, 5639.0, 5598.0, 5375.0, 5500.0, 5419.0, 5572.0, 5677.0, 5266.0, 5439.0, 5381.0, 5412.0, 5640.0, 5702.0, 5601.0, 5315.0, 5289.0, 5483.0, 5670.0, 5278.0, 5255.0, 5562.0, 5367.0, 5257.0, 5422.0, 5365.0, 5497.0, 5634.0, 5496.0, 5691.0, 5374.0, 5606.0, 5268.0 (number of hits: 18)
27	5530.0	9	1.0	333	1	5421.0, 5717.0, 5703.0, 5252.0, 5624.0, 5552.0, 5343.0, 5576.0, 5257.0, 5711.0, 5477.0, 5404.0, 5638.0, 5598.0, 5344.0, 5500.0, 5440.0, 5688.0, 5482.0, 5611.0, 5402.0, 5370.0, 5714.0, 5549.0, 5516.0, 5383.0, 5289.0, 5511.0, 5697.0, 5537.0,

						5547.0, 5542.0, 5554.0, 5648.0, 5510.0, 5368.0, 5451.0, 5649.0, 5426.0, 5651.0, 5590.0, 5389.0, 5532.0, 5309.0, 5374.0, 5305.0, 5415.0, 5640.0, 5569.0, 5708.0, 5265.0, 5566.0, 5693.0, 5397.0, 5626.0, 5541.0, 5493.0, 5561.0, 5625.0, 5301.0, 5643.0, 5459.0, 5354.0, 5663.0, 5362.0, 5647.0, 5690.0, 5290.0, 5502.0, 5266.0, 5345.0, 5720.0, 5667.0, 5634.0, 5261.0, 5645.0, 5474.0, 5405.0, 5399.0, 5350.0, 5447.0, 5292.0, 5461.0, 5639.0, 5655.0, 5694.0, 5333.0, 5557.0, 5282.0, 5646.0, 5278.0, 5387.0, 5629.0, 5390.0, 5617.0, 5513.0, 5314.0, 5400.0, 5437.0, 5526.0 (number of hits: 19)
28	5530.0	9	1.0	333	1	5547.0, 5616.0, 5691.0, 5296.0, 5641.0, 5416.0, 5350.0, 5340.0, 5534.0, 5477.0, 5523.0, 5600.0, 5270.0, 5303.0, 5360.0, 5456.0, 5379.0, 5410.0, 5264.0, 5262.0, 5408.0, 5438.0, 5478.0, 5419.0, 5508.0, 5470.0, 5496.0, 5275.0, 5484.0, 5585.0, 5702.0, 5689.0, 5396.0, 5436.0, 5530.0, 5388.0, 5255.0, 5548.0, 5314.0, 5424.0, 5400.0, 5306.0, 5445.0, 5421.0, 5678.0, 5476.0, 5677.0, 5555.0, 5356.0, 5630.0, 5598.0, 5596.0, 5556.0, 5465.0, 5467.0, 5451.0, 5357.0, 5373.0, 5374.0, 5666.0, 5543.0, 5349.0, 5359.0, 5608.0, 5258.0, 5393.0, 5443.0, 5541.0, 5334.0, 5579.0, 5575.0, 5606.0, 5269.0, 5514.0, 5463.0, 5423.0, 5386.0, 5517.0, 5505.0, 5326.0, 5658.0, 5332.0, 5692.0, 5384.0, 5688.0, 5567.0, 5418.0, 5389.0, 5336.0, 5382.0, 5365.0, 5617.0, 5468.0, 5339.0, 5337.0, 5586.0, 5310.0, 5713.0, 5453.0, 5656.0 (number of hits: 14)
29	5530.0	9	1.0	333	1	5575.0, 5269.0, 5420.0, 5514.0, 5255.0, 5405.0, 5308.0, 5634.0, 5512.0, 5266.0, 5395.0, 5432.0, 5424.0, 5351.0, 5507.0, 5497.0, 5594.0, 5677.0, 5500.0, 5584.0, 5703.0, 5326.0, 5620.0, 5406.0, 5617.0, 5689.0, 5324.0, 5674.0, 5641.0, 5470.0, 5698.0, 5539.0, 5385.0, 5467.0, 5381.0, 5256.0, 5651.0, 5333.0, 5453.0, 5515.0, 5564.0, 5510.0, 5529.0, 5536.0, 5373.0, 5332.0, 5394.0, 5427.0, 5630.0, 5719.0, 5358.0, 5501.0, 5582.0, 5309.0, 5396.0, 5631.0, 5720.0, 5428.0, 5439.0, 5604.0, 5300.0, 5389.0, 5476.0, 5382.0, 5305.0, 5611.0, 5409.0, 5277.0, 5639.0, 5436.0, 5488.0, 5616.0, 5685.0, 5464.0, 5272.0, 5375.0, 5572.0, 5278.0, 5662.0, 5506.0, 5263.0, 5695.0, 5478.0, 5595.0, 5615.0, 5700.0, 5621.0, 5445.0, 5290.0, 5678.0, 5656.0, 5299.0, 5413.0, 5665.0, 5532.0, 5466.0, 5347.0, 5588.0, 5376.0, 5486.0 (number of hits: 14)
30	5530.0	9	1.0	333	1	5484.0, 5303.0, 5685.0, 5473.0, 5470.0, 5270.0, 5285.0, 5419.0, 5420.0, 5317.0, 5388.0, 5500.0, 5724.0, 5606.0, 5460.0, 5308.0, 5367.0, 5465.0, 5250.0, 5650.0, 5691.0, 5553.0, 5511.0, 5680.0, 5625.0,

						5309.0, 5387.0, 5403.0, 5647.0, 5262.0, 5677.0, 5273.0, 5686.0, 5638.0, 5616.0, 5619.0, 5588.0, 5622.0, 5568.0, 5497.0, 5408.0, 5489.0, 5547.0, 5277.0, 5582.0, 5617.0, 5376.0, 5458.0, 5597.0, 5413.0, 5423.0, 5472.0, 5698.0, 5418.0, 5474.0, 5659.0, 5708.0, 5495.0, 5446.0, 5397.0, 5449.0, 5532.0, 5671.0, 5258.0, 5674.0, 5313.0, 5336.0, 5292.0, 5525.0, 5658.0, 5722.0, 5372.0, 5521.0, 5571.0, 5365.0, 5295.0, 5693.0, 5545.0, 5526.0, 5341.0, 5305.0, 5714.0, 5332.0, 5323.0, 5342.0, 5401.0, 5350.0, 5719.0, 5639.0, 5540.0, 5491.0, 5661.0, 5383.0, 5294.0, 5641.0, 5518.0, 5416.0, 5328.0, 5326.0, 5539.0 (number of hits: 14)

AP Mode
Pine Radio

5500 MHz, 20 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	80 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	61	1.0	878	1
2	81	1.0	658	1
3	76	1.0	698	1
4	63	1.0	838	1
5	70	1.0	758	1
6	72	1.0	738	1
7	68	1.0	778	1
8	89	1.0	598	1
9	83	1.0	638	1
10	99	1.0	538	0
11	86	1.0	618	1
12	92	1.0	578	1
13	65	1.0	818	1
14	74	1.0	718	0
15	57	1.0	938	1
16	29	1.0	1834	1
17	93	1.0	570	1
18	23	1.0	2342	1
19	19	1.0	2869	1
20	19	1.0	2885	1
21	25	1.0	2147	1
22	24	1.0	2285	1
23	18	1.0	3049	1
24	51	1.0	1046	1
25	19	1.0	2883	1
26	25	1.0	2193	1
27	80	1.0	668	1
28	25	1.0	2195	1
29	20	1.0	2641	1
30	20	1.0	2684	1
Detection Percentage: 93.3% (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	28	3.7	160	1
2	28	4.6	174	1
3	25	3.0	180	0
4	26	2.7	219	1
5	25	1.9	220	0
6	24	4.1	160	1
7	28	2.8	224	0
8	24	3.3	160	1
9	25	2.8	216	1
10	23	3.4	223	1
11	29	1.3	175	0
12	26	2.3	166	1
13	23	4.0	164	1
14	27	1.5	213	1
15	28	1.2	202	1
16	23	2.3	196	1
17	29	3.1	199	1
18	27	1.9	224	1
19	24	3.2	159	1
20	25	1.1	205	1
21	23	1.4	183	1
22	27	2.2	151	1
23	24	2.4	157	1
24	26	2.7	225	0
25	25	1.1	156	1
26	28	3.6	218	1
27	25	2.1	208	0
28	25	1.6	175	1
29	26	3.7	225	1
30	27	4.5	194	0
Detection Percentage: 76.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	7.0	465	1
2	16	8.6	301	1
3	18	6.2	351	0
4	18	8.1	403	1
5	16	6.9	344	1
6	17	6.8	296	0
7	17	7.0	435	0
8	16	8.5	432	1
9	17	8.8	447	0
10	18	9.0	260	1
11	17	9.5	375	1
12	16	10.0	231	1
13	16	9.5	325	1
14	18	6.0	222	1
15	18	9.3	230	1
16	18	6.3	385	0
17	18	8.6	421	1
18	18	6.5	500	1
19	17	7.1	454	1
20	16	8.7	489	1
21	16	10.0	288	1
22	17	6.2	272	1
23	18	7.8	429	1
24	16	6.3	283	1
25	17	9.3	356	1
26	18	6.8	264	1
27	16	9.3	250	1
28	16	9.2	441	0
29	18	6.8	436	1
30	17	8.4	463	1
Detection Percentage: 80 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	16.1	408	1
2	16	14.6	366	1
3	13	16.7	243	1
4	15	13.4	485	1
5	15	12.7	271	1
6	13	15.4	301	1
7	13	19.3	200	1
8	12	17.5	208	0
9	13	13.6	444	1
10	12	13.8	250	1
11	13	13.2	379	0
12	12	15.6	470	1
13	13	19.3	213	1
14	13	16.5	342	0
15	16	17.1	494	1
16	16	20.0	282	1
17	13	11.2	238	1
18	13	19.6	246	1
19	13	12.7	257	1
20	12	16.8	222	1
21	12	11.9	485	1
22	16	16.9	497	1
23	13	16.9	424	1
24	16	11.1	319	1
25	16	16.9	436	1
26	16	18.6	344	1
27	14	13.9	355	1
28	13	14.0	335	0
29	12	14.6	323	1
30	15	19.6	473	1
Detection Percentage: 86.7 % (>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	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5493.8	1
12	5498.2	1
13	5497.4	1
14	5497.0	1
15	5493.0	1
16	5495.8	1
17	5497.4	1
18	5496.2	1
19	5496.6	1
20	5497.8	1
21	5503.0	1
22	5504.2	1
23	5505.0	1
24	5501.8	1
25	5507.0	1
26	5502.6	1
27	5501.8	1
28	5502.2	1
29	5501.8	1
30	5505.4	1
Detection Percentage: 100 % (>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	5	81.7	1768		0.334039	
1	2	5	68.3	1549		1.520146	
2	1	5	84.5			1.679714	
3	1	5	64.4			2.854169	
4	2	5	80.7	1997		3.522107	
5	2	5	58.3	1047		4.515605	
6	2	5	70.0	1041		4.966702	
7	2	5	68.5	1372		5.865236	1
8	3	5	70.0	1505	1223	7.182451	
9	3	5	52.9	1635	1894	7.526689	
10	2	5	63.2	1782		8.696248	
11	1	5	99.6			9.042230	
12	3	5	59.1	1929	1614	9.743669	
13	2	5	51.7	1733		10.839786	
14	1	5	94.3			11.972045	

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	87.3	1849		0.079895	
1	1	12	76.5			1.211616	
2	2	12	72.1	1428		2.184020	
3	2	12	92.3	1586		3.932327	
4	2	12	58.5	1293		4.117344	
5	2	12	83.6	1954		5.980680	
6	1	12	64.2			6.703403	1
7	2	12	58.2	1433		7.336546	
8	2	12	80.7	1818		8.212775	
9	2	12	93.6	1045		9.696613	
10	2	12	78.0	1724		10.338517	
11	2	12	85.7	1841		11.992186	
0	2	12	87.3	1849		0.079895	

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	7	55.4			0.280952	1
1	3	7	67.1	1556	1208	0.683521	
2	3	7	70.8	1196	1869	1.206987	
3	1	7	89.7			2.007192	
4	1	7	88.7			2.737607	
5	3	7	80.1	1619	1862	3.212230	
6	3	7	87.7	1139	1677	3.874980	
7	2	7	62.1	1031		4.294657	
8	2	7	86.6	1249		4.859308	
9	1	7	62.5			5.507521	
10	3	7	84.5	1067	1347	6.334566	
11	1	7	74.8			6.967394	
12	3	7	95.4	1516	1894	7.608467	
13	1	7	81.0			8.000234	
14	1	7	59.7			8.708533	
15	2	7	54.7	1935		9.306028	
16	2	7	88.7	1060		10.047840	
17	2	7	73.0	1954		10.613457	
18	2	7	57.4	1430		11.087823	
19	2	7	56.0	1627		11.904656	

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	7	94.6			0.496334	
1	3	7	90.2	1428	1685	0.797698	
2	2	7	77.6	1529		1.988478	
3	3	7	92.1	1734	1395	2.520965	
4	3	7	84.8	1251	1382	3.138561	
5	1	7	51.4			3.915986	
6	1	7	81.0			4.405980	
7	2	7	78.4	1454		4.953620	
8	3	7	86.0	1551	1009	5.791550	1
9	3	7	80.6	1776	1569	6.580107	
10	3	7	71.2	1337	1180	7.723775	
11	3	7	75.8	1224	1586	8.415520	
12	1	7	90.4			9.038124	
13	2	7	52.4	1573		9.489086	
14	1	7	71.2			10.005895	
15	2	7	71.0	1859		10.642140	
16	2	7	60.8	1626		11.440179	

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	5	59.7	1435		0.128998	1
1	3	5	75.0	1366	1909	0.953561	
2	3	5	90.1	1001	1785	1.443511	
3	3	5	90.3	1645	1509	2.269369	
4	2	5	67.9	1470		2.614060	
5	2	5	85.7	1371		3.028023	
6	3	5	60.8	1631	1177	3.935841	
7	1	5	97.9			4.582021	
8	1	5	94.6			5.085197	
9	2	5	98.2	1104		5.444307	
10	2	5	66.6	1894		6.464582	
11	3	5	81.0	1024	1094	6.884740	
12	1	5	63.6			7.449854	
13	3	5	87.0	1331	1036	8.390842	
14	2	5	65.0	1569		8.529100	
15	2	5	88.9	1761		9.091415	
16	2	5	61.0	1746		9.872540	
17	1	5	74.4			10.671886	
18	1	5	91.6			11.276962	
19	3	5	58.7	1054	1433	11.677586	

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	12	86.9			0.169263	
1	2	12	92.5	1615		1.360244	
2	2	12	94.0	1311		2.020430	
3	1	12	77.1			2.375258	
4	2	12	63.5	1187		3.347947	
5	2	12	61.1	1800		3.811132	
6	2	12	64.3	1064		4.424619	
7	2	12	88.5	1043		5.010505	
8	1	12	72.2			6.112211	1
9	1	12	57.1			6.447032	
10	2	12	87.7	1867		7.111082	
11	3	12	55.2	1998	1824	8.118563	
12	3	12	63.3	1367	1407	8.635863	
13	1	12	79.8			9.320234	
14	2	12	79.3	1442		9.897319	
15	3	12	82.1	1639	1268	11.137853	
16	1	12	61.4			11.657106	

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	8	61.4	1273		0.392663	
1	2	8	58.2	1726		0.941685	
2	2	8	85.2	1601		2.097760	
3	2	8	81.1	1400		3.055573	
4	3	8	91.1	1950	1123	3.965233	
5	1	8	80.3			4.338927	
6	2	8	92.4	1669		4.927574	
7	2	8	62.1	1591		6.269942	1
8	1	8	87.7			6.912992	
9	1	8	52.6			7.821446	
10	1	8	79.1			8.698717	
11	1	8	52.7			8.979248	
12	1	8	92.9			10.099265	
13	3	8	70.2	1633	1807	11.112501	
14	2	8	89.5	1350		11.226901	

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	3	6	99.0	1963	1246	0.139760	
1	1	6	56.8			0.783775	
2	2	6	82.1	1495		2.051216	
3	1	6	65.1			2.236327	
4	3	6	58.5	1489	1406	3.322230	
5	2	6	65.0	1893		4.114997	
6	1	6	66.9			4.527367	
7	2	6	56.0	1306		5.560888	
8	1	6	53.9			6.234002	1
9	2	6	70.5	1126		6.802400	
10	1	6	62.3			7.299655	
11	1	6	50.0			8.016027	
12	1	6	68.8			8.636506	
13	1	6	84.0			9.739768	
14	1	6	98.5			10.342915	
15	1	6	91.9			11.113086	
16	3	6	82.3	1474	1836	11.752328	

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	12	53.1	1774		0.907353	1
1	2	12	90.7	1936		1.570346	
2	2	12	64.8	1142		4.249426	
3	2	12	98.8	1331		4.913737	
4	3	12	59.2	1551	1097	6.234335	
5	2	12	88.6	1070		8.140449	
6	2	12	99.0	1832		10.050181	
7	2	12	68.4	1595		11.854923	

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	1	14	66.9			0.058815	1
1	2	14	52.9	1563		1.229841	
2	2	14	54.4	1459		1.739792	
3	2	14	77.9	1350		2.099321	
4	3	14	57.2	1455	1833	3.131234	
5	2	14	50.9	1032		3.505154	
6	2	14	52.4	1859		4.138907	
7	2	14	88.3	1575		4.470784	
8	3	14	74.2	1755	1773	5.105959	
9	2	14	91.5	1801		5.984320	
10	3	14	84.1	1403	1264	6.629824	
11	1	14	63.0			7.136671	
12	2	14	99.4	1587		7.945129	
13	2	14	83.7	1849		8.601165	
14	3	14	78.0	1883	1212	9.284096	
15	1	14	86.0			9.544927	
16	2	14	65.6	1947		10.432288	
17	1	14	85.4			10.768037	
18	1	14	88.2			11.843165	

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	7	83.7			0.013181	
1	3	7	93.9	1225	1235	0.863739	
2	3	7	92.5	1609	1665	1.467212	
3	1	7	64.9			2.278818	
4	1	7	50.9			2.854936	
5	2	7	93.3	1736		3.521010	
6	1	7	77.3			4.038219	
7	2	7	59.4	1217		4.568263	
8	2	7	85.2	1042		5.511305	
9	2	7	79.3	1342		5.723420	1
10	3	7	52.8	1988	1683	6.419780	
11	2	7	58.8	1198		7.177692	
12	1	7	84.4			8.159777	
13	2	7	91.4	1526		8.597850	
14	2	7	98.5	1345		8.940120	
15	2	7	92.1	1288		9.475847	
16	2	7	58.5	1413		10.595326	
17	1	7	97.4			11.302104	
18	3	7	82.8	1042	1091	11.952560	

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	18	92.3	1911		0.180677	
1	2	18	76.6	1301		0.711487	
2	1	18	71.9			1.420062	
3	1	18	92.1			2.231294	
4	1	18	53.1			3.043897	
5	2	18	52.3	1798		4.095630	
6	3	18	91.9	1551	1996	4.782695	
7	2	18	77.6	1209		5.251449	
8	2	18	59.6	1167		5.986435	1
9	2	18	78.9	1571		6.504265	
10	3	18	73.9	1225	1543	7.517106	
11	1	18	97.7			7.947614	
12	2	18	81.4	1759		8.670840	
13	2	18	89.4	1262		9.445594	
14	2	18	65.4	1623		10.091751	
15	3	18	71.8	1070	1239	11.215968	
16	2	18	85.7	1185		11.410653	

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	16	89.4			0.690239	
1	2	16	75.2	1038		0.824948	
2	2	16	61.2	1390		1.758987	
3	2	16	66.4	1273		2.778348	
4	2	16	65.6	1853		3.219794	
5	2	16	77.6	1286		3.785807	
6	2	16	64.5	1773		4.667812	
7	1	16	64.0			5.206457	
8	2	16	81.9	1233		6.180075	1
9	2	16	55.3	1352		6.806581	
10	2	16	89.6	1749		7.371919	
11	3	16	58.3	1535	1214	7.806659	
12	1	16	68.2			9.027416	
13	2	16	87.1	1859		9.877214	
14	1	16	75.4			10.395604	
15	2	16	56.2	1967		11.281018	
16	2	16	84.7	1734		11.737393	

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	80.5	1198		0.580033	
1	3	15	71.0	1744	1158	1.032125	
2	3	15	98.6	1926	1822	1.379370	
3	2	15	96.9	1935		2.472998	
4	2	15	85.4	1572		3.097967	
5	3	15	97.7	1494	1333	3.534082	
6	3	15	78.6	1423	1091	4.286005	
7	2	15	51.4	1043		4.774921	
8	3	15	66.2	1745	1538	5.376675	1
9	3	15	71.5	1923	1859	6.489402	
10	2	15	59.0	1134		6.994338	
11	2	15	68.8	1707		7.615155	
12	2	15	71.6	1780		8.340326	
13	1	15	80.5			9.070322	
14	3	15	53.1	1983	1330	9.932592	
15	3	15	54.9	1874	1679	10.322792	
16	2	15	90.8	1067		10.967855	
17	1	15	50.1			11.370343	

Bin5 Statistic 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	2	5	69.3	1273		0.317808	
1	2	5	94.6	1190		0.963521	
2	1	5	78.6			1.945967	
3	1	5	86.5			2.671965	
4	3	5	87.1	1714	1684	3.421301	
5	1	5	82.1			4.201319	
6	2	5	93.8	1412		5.517128	
7	2	5	82.9	1313		6.340614	1
8	1	5	58.4			6.874425	
9	1	5	72.6			7.717739	
10	2	5	89.2	1409		8.634135	
11	1	5	91.9			9.388819	
12	2	5	60.0	1320		10.310182	
13	2	5	87.1	1259		10.717906	
14	1	5	66.0			11.710680	

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	12	92.6			0.139936	1
1	1	12	87.9			1.936186	
2	2	12	71.4	1069		2.344068	
3	2	12	59.2	1464		3.432906	
4	2	12	83.6	1569		4.825426	
5	2	12	55.8	1602		5.102382	
6	2	12	79.6	1426		6.969565	
7	1	12	77.8			7.788701	
8	2	12	99.0	1703		8.715615	
9	2	12	71.6	1611		9.630591	
10	1	12	50.1			10.087154	
11	1	12	75.3			11.456791	

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	16	50.9			0.594873	1
1	3	16	75.1	1837	1427	0.980524	
2	3	16	97.4	1346	1246	1.913854	
3	2	16	63.4	1709		2.207851	
4	2	16	66.1	1410		3.124245	
5	3	16	90.8	1723	1165	4.199519	
6	1	16	59.5			4.253811	
7	2	16	72.1	1277		5.586273	
8	2	16	95.0	1005		5.686340	
9	2	16	96.3	1382		6.993866	
10	3	16	95.2	1062	1200	7.125161	
11	3	16	56.1	1536	1417	7.966051	
12	2	16	51.7	1814		8.620348	
13	2	16	79.0	1936		9.640827	
14	1	16	60.2			10.269304	
15	3	16	51.2	1546	1424	11.195428	
16	3	16	53.3	1789	1794	11.899065	

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	82.5			0.529041	1
1	3	13	78.0	1836	1311	0.939006	
2	3	13	61.1	1388	1407	1.473111	
3	1	13	66.9			2.579706	
4	2	13	94.7	1619		3.137541	
5	2	13	85.7	1637		3.691486	
6	2	13	56.1	1505		4.178775	
7	2	13	69.5	1752		5.309558	
8	1	13	59.5			5.459358	
9	1	13	93.8			6.054643	
10	2	13	55.0	1194		7.291263	
11	2	13	54.0	1402		7.922248	
12	3	13	74.3	1875	1160	8.424459	
13	2	13	80.0	1772		8.960787	
14	2	13	98.7	1819		9.575074	
15	2	13	91.2	1992		10.125568	
16	1	13	74.7			11.037122	
17	1	13	62.4			11.510775	

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	14	54.5	1994		0.465411	1
1	2	14	59.2	1311		0.864146	
2	2	14	63.2	1417		2.241969	
3	1	14	99.5			2.726884	
4	2	14	70.4	1150		3.733533	
5	3	14	74.9	1978	1724	3.964690	
6	1	14	75.4			4.959863	
7	2	14	60.1	1973		5.693545	
8	2	14	50.0	1737		6.363283	
9	1	14	52.5			7.273725	
10	1	14	57.6			8.142918	
11	2	14	87.8	1981		8.384385	
12	3	14	70.5	1084	1199	9.014575	
13	3	14	96.9	1468	1900	10.348972	
14	2	14	87.2	1383		10.855878	
15	1	14	65.9			11.418328	

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	17	98.5			0.776684	1
1	1	17	52.4			1.893914	
2	2	17	95.1	1964		2.244050	
3	3	17	52.7	1479	1296	4.010311	
4	2	17	74.5	1324		4.533778	
5	3	17	58.5	1566	1534	6.146554	
6	2	17	75.5	1452		7.358931	
7	2	17	76.5	1081		8.647275	
8	3	17	69.0	1963	1604	8.926655	
9	2	17	69.8	1125		10.602693	
10	2	17	59.0	1119		10.913194	

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	15	71.8	1957		0.285936	
1	2	15	94.8	1992		1.476529	
2	2	15	62.8	1366		2.349823	
3	3	15	87.0	1192	1792	3.151569	
4	2	15	65.4	1997		3.336916	
5	3	15	66.3	1276	1250	4.588688	
6	2	15	63.9	1923		4.900916	
7	2	15	56.7	1683		6.111741	1
8	3	15	56.9	1014	1768	6.541457	
9	2	15	74.2	1729		7.741561	
10	1	15	53.0			8.497969	
11	2	15	95.9	1192		9.070100	
12	2	15	67.4	1861		10.191502	
13	2	15	54.5	1364		11.132229	
14	3	15	92.0	1434	1919	11.688786	

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	12	69.2	1411		0.569779	
1	2	12	61.9	1488		1.930241	
2	1	12	96.6			4.256500	
3	3	12	54.6	1596	1524	5.294568	1
4	2	12	69.3	1472		6.268934	
5	1	12	54.8			8.095624	
6	2	12	52.2	1975		10.098715	
7	1	12	52.3			11.235288	

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	10	69.0	1206		1.308166	1
1	3	10	68.7	1154	1354	1.524840	
2	3	10	69.0	1051	1546	3.740969	
3	2	10	56.0	1432		5.243427	
4	3	10	83.3	1920	1579	6.256279	
5	1	10	68.5			8.255150	
6	2	10	90.2	1791		9.017030	
7	1	10	89.2			11.557783	

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	18	84.2	1510		0.626947	1
1	2	18	67.9	1450		1.595719	
2	2	18	79.7	1957		1.945523	
3	2	18	66.9	1851		2.978693	
4	2	18	93.4	1203		4.226884	
5	2	18	96.7	1704		4.759630	
6	2	18	74.9	1703		5.966098	
7	3	18	58.6	1743	1123	6.950127	
8	2	18	52.4	1491		7.581283	
9	2	18	56.8	1729		8.473995	
10	1	18	80.5			9.709286	
11	3	18	77.3	1358	1913	10.685233	
12	3	18	86.0	1723	1368	11.416177	

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	5	70.1			0.242602	1
1	2	5	54.2	1497		1.467287	
2	1	5	74.1			1.575794	
3	3	5	55.7	1465	1787	2.513979	
4	3	5	72.4	1910	1202	3.059395	
5	2	5	52.4	1753		4.045961	
6	3	5	85.5	1908	1728	4.852699	
7	2	5	87.5	1878		5.988975	
8	2	5	59.9	1031		6.166171	
9	1	5	65.0			6.794180	
10	3	5	57.3	1227	1497	7.617165	
11	2	5	51.5	1297		8.550294	
12	1	5	97.7			9.422154	
13	1	5	58.9			10.351928	
14	3	5	52.7	1280	1683	10.539854	
15	2	5	87.3	1392		11.790438	

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	16	55.4			0.683515	1
1	1	16	64.4			0.950013	
2	2	16	81.1	1813		1.915673	
3	3	16	59.4	1949	1194	2.744900	
4	2	16	79.1	1898		3.736850	
5	2	16	93.6	1567		4.460424	
6	3	16	79.4	1463	1092	5.511112	
7	2	16	89.2	1901		6.019624	
8	2	16	98.7	1154		6.492010	
9	1	16	61.9			7.662556	
10	3	16	82.4	1188	1728	8.197025	
11	2	16	81.7	1071		9.151504	
12	3	16	93.6	1063	1196	10.082955	
13	1	16	58.4			10.428898	
14	1	16	74.7			11.492183	

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	18	55.1	1493		0.609190	
1	3	18	74.1	1730	1798	1.376681	
2	2	18	56.3	1771		2.236027	
3	2	18	64.1	1330		3.089493	
4	1	18	56.1			4.275825	
5	2	18	72.5	1726		5.199481	
6	2	18	60.9	1002		6.354754	1
7	1	18	80.9			6.830536	
8	1	18	87.3			8.032289	
9	2	18	52.7	1077		8.604916	
10	1	18	74.3			9.695568	
11	2	18	72.9	1267		10.675107	
12	2	18	74.8	1555		11.267021	

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	1	17	65.0			0.349196	
1	2	17	83.1	1634		1.560190	
2	1	17	96.4			1.932671	
3	3	17	53.7	1175	1445	2.684805	
4	3	17	75.3	1348	1611	3.668037	
5	2	17	54.9	1569		4.231436	
6	1	17	99.8			5.369786	
7	2	17	53.9	1210		6.234018	1
8	1	17	60.2			6.512782	
9	2	17	53.8	1523		7.423929	
10	2	17	73.0	1365		8.015227	
11	3	17	95.3	1855	1426	9.083572	
12	2	17	82.7	1056		9.836883	
13	2	17	60.4	1960		11.155916	
14	2	17	98.9	1465		11.516964	

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	18	56.6	1560		0.368953	
1	1	18	95.3			1.388167	
2	2	18	80.1	1425		1.766309	
3	2	18	74.3	1229		2.738812	
4	2	18	71.8	1403		2.968667	
5	2	18	60.7	1198		3.946142	
6	1	18	72.9			4.281488	
7	1	18	62.4			5.405152	
8	1	18	51.8			6.279924	1
9	3	18	51.9	1411	1512	6.632594	
10	1	18	89.2			7.167852	
11	2	18	64.9	1442		8.097411	
12	3	18	67.9	1041	1018	8.948921	
13	1	18	53.4			9.297050	
14	1	18	81.3			10.566738	
15	3	18	100.0	1099	1890	11.188516	
16	3	18	73.1	1738	1200	11.585566	

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	63.4	1370	1410	0.781990	
1	2	9	93.2	1988		2.010034	
2	3	9	89.3	1765	1590	2.191149	
3	2	9	69.4	1524		3.499087	
4	2	9	60.5	1855		5.161330	
5	2	9	74.8	1040		5.976724	1
6	2	9	55.8	1922		7.218350	
7	2	9	87.9	1631		8.379717	
8	3	9	76.2	1324	1997	9.046354	
9	3	9	58.6	1914	1037	9.932914	
10	1	9	88.9			11.948342	

s

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	5500.0	9	1.0	333	1	5571.0, 5327.0, 5356.0, 5508.0, 5394.0, 5332.0, 5656.0, 5386.0, 5560.0, 5660.0, 5310.0, 5283.0, 5260.0, 5679.0, 5388.0, 5639.0, 5401.0, 5616.0, 5671.0, 5279.0, 5607.0, 5496.0, 5527.0, 5372.0, 5345.0, 5336.0, 5434.0, 5673.0, 5422.0, 5300.0, 5257.0, 5475.0, 5709.0, 5485.0, 5505.0, 5577.0, 5552.0, 5396.0, 5669.0, 5603.0, 5448.0, 5617.0, 5711.0, 5615.0, 5265.0, 5273.0, 5583.0, 5326.0, 5672.0, 5313.0, 5517.0, 5287.0, 5483.0, 5529.0, 5651.0, 5271.0, 5534.0, 5481.0, 5548.0, 5642.0, 5584.0, 5570.0, 5701.0, 5341.0, 5623.0, 5466.0, 5343.0, 5293.0, 5516.0, 5406.0, 5634.0, 5717.0, 5395.0, 5373.0, 5592.0, 5670.0, 5462.0, 5435.0, 5489.0, 5474.0, 5322.0, 5382.0, 5426.0, 5282.0, 5612.0, 5579.0, 5582.0, 5688.0, 5526.0, 5549.0, 5574.0, 5427.0, 5354.0, 5602.0, 5407.0, 5614.0, 5366.0, 5503.0, 5572.0, 5522.0 (number of hits: 4)
2	5500.0	9	1.0	333	1	5630.0, 5495.0, 5628.0, 5475.0, 5253.0, 5440.0, 5526.0, 5639.0, 5292.0, 5510.0, 5276.0, 5709.0, 5548.0, 5326.0, 5604.0, 5530.0, 5297.0, 5654.0, 5603.0, 5509.0, 5618.0, 5370.0, 5522.0, 5513.0, 5362.0, 5622.0, 5655.0, 5488.0, 5719.0, 5547.0, 5658.0, 5421.0, 5612.0, 5711.0, 5400.0, 5310.0, 5680.0, 5521.0, 5713.0, 5501.0, 5645.0, 5646.0, 5272.0, 5336.0, 5279.0, 5637.0, 5311.0, 5555.0, 5492.0, 5703.0, 5414.0, 5691.0, 5308.0, 5358.0, 5624.0, 5422.0, 5621.0, 5271.0, 5479.0, 5477.0, 5597.0, 5472.0, 5572.0, 5525.0, 5349.0, 5718.0, 5410.0, 5546.0, 5651.0, 5633.0, 5427.0, 5496.0, 5600.0, 5423.0, 5334.0, 5282.0, 5626.0, 5617.0, 5429.0, 5471.0, 5394.0, 5409.0, 5720.0, 5552.0, 5602.0, 5275.0, 5556.0, 5354.0, 5466.0, 5607.0, 5460.0, 5674.0, 5364.0, 5662.0, 5518.0, 5668.0, 5721.0, 5468.0, 5540.0, 5707.0 (number of hits: 4)
3	5500.0	9	1.0	333	1	5257.0, 5669.0, 5510.0, 5430.0, 5500.0, 5715.0, 5681.0, 5381.0, 5253.0, 5318.0, 5666.0, 5578.0, 5378.0, 5370.0, 5519.0, 5478.0, 5388.0, 5583.0, 5586.0, 5336.0, 5362.0, 5356.0, 5453.0, 5295.0, 5700.0, 5649.0, 5498.0, 5326.0, 5383.0, 5588.0, 5667.0, 5682.0, 5439.0, 5625.0, 5286.0, 5712.0, 5596.0, 5674.0, 5558.0, 5333.0, 5254.0, 5281.0, 5434.0, 5657.0, 5577.0, 5547.0, 5310.0, 5273.0, 5415.0, 5537.0, 5409.0, 5556.0, 5337.0, 5617.0, 5352.0, 5446.0, 5374.0, 5299.0, 5598.0, 5591.0, 5525.0, 5648.0, 5621.0, 5491.0, 5291.0, 5260.0, 5676.0, 5405.0, 5516.0, 5543.0, 5401.0, 5631.0, 5601.0, 5348.0, 5508.0, 5580.0, 5463.0, 5444.0, 5523.0, 5660.0, 5637.0, 5437.0, 5316.0, 5470.0, 5626.0, 5595.0, 5433.0, 5481.0, 5419.0, 5705.0, 5406.0, 5372.0, 5694.0, 5432.0, 5472.0, 5719.0, 5294.0, 5630.0, 5465.0, 5509.0 (number of hits: 4)
4	5500.0	9	1.0	333	1	5686.0, 5613.0, 5512.0, 5685.0, 5526.0, 5329.0, 5544.0, 5698.0, 5279.0, 5543.0, 5594.0, 5446.0, 5336.0, 5321.0, 5339.0, 5672.0, 5386.0, 5700.0, 5612.0, 5431.0, 5630.0, 5314.0, 5655.0, 5625.0, 5647.0, 5690.0, 5434.0, 5557.0, 5461.0, 5684.0, 5460.0, 5718.0, 5510.0, 5267.0, 5521.0, 5387.0, 5349.0, 5692.0, 5419.0, 5588.0, 5300.0, 5683.0, 5601.0, 5642.0, 5530.0, 5597.0, 5474.0, 5667.0, 5359.0, 5422.0, 5469.0, 5367.0, 5511.0, 5703.0, 5298.0, 5397.0, 5532.0, 5514.0, 5648.0, 5606.0, 5533.0, 5603.0, 5547.0, 5715.0, 5641.0, 5516.0, 5472.0, 5342.0, 5539.0, 5454.0,

						5632.0, 5318.0, 5457.0, 5394.0, 5263.0, 5459.0, 5576.0, 5256.0, 5548.0, 5285.0, 5312.0, 5583.0, 5675.0, 5618.0, 5274.0, 5360.0, 5668.0, 5303.0, 5368.0, 5701.0, 5545.0, 5702.0, 5370.0, 5676.0, 5449.0, 5585.0, 5639.0, 5377.0, 5680.0, 5492.0 (number of hits: 1)
5	5500.0	9	1.0	333	1	5359.0, 5641.0, 5691.0, 5458.0, 5352.0, 5459.0, 5680.0, 5341.0, 5695.0, 5619.0, 5611.0, 5524.0, 5623.0, 5317.0, 5464.0, 5461.0, 5266.0, 5694.0, 5281.0, 5532.0, 5544.0, 5489.0, 5467.0, 5491.0, 5671.0, 5663.0, 5700.0, 5387.0, 5256.0, 5686.0, 5679.0, 5607.0, 5470.0, 5321.0, 5559.0, 5597.0, 5534.0, 5669.0, 5261.0, 5613.0, 5492.0, 5372.0, 5552.0, 5689.0, 5631.0, 5672.0, 5374.0, 5545.0, 5483.0, 5357.0, 5541.0, 5598.0, 5315.0, 5667.0, 5621.0, 5579.0, 5553.0, 5495.0, 5653.0, 5445.0, 5508.0, 5448.0, 5328.0, 5684.0, 5650.0, 5670.0, 5319.0, 5473.0, 5406.0, 5498.0, 5709.0, 5626.0, 5440.0, 5624.0, 5329.0, 5646.0, 5542.0, 5316.0, 5481.0, 5681.0, 5363.0, 5699.0, 5487.0, 5297.0, 5409.0, 5602.0, 5585.0, 5402.0, 5431.0, 5262.0, 5538.0, 5420.0, 5390.0, 5347.0, 5530.0, 5452.0, 5284.0, 5398.0, 5550.0, 5572.0 (number of hits: 5)
6	5500.0	9	1.0	333	1	5489.0, 5269.0, 5487.0, 5553.0, 5265.0, 5533.0, 5682.0, 5511.0, 5531.0, 5573.0, 5722.0, 5721.0, 5525.0, 5416.0, 5686.0, 5354.0, 5510.0, 5567.0, 5536.0, 5434.0, 5423.0, 5613.0, 5647.0, 5324.0, 5477.0, 5440.0, 5497.0, 5360.0, 5395.0, 5524.0, 5540.0, 5545.0, 5296.0, 5274.0, 5380.0, 5400.0, 5575.0, 5635.0, 5679.0, 5661.0, 5271.0, 5312.0, 5551.0, 5607.0, 5345.0, 5565.0, 5350.0, 5438.0, 5562.0, 5632.0, 5314.0, 5486.0, 5455.0, 5287.0, 5556.0, 5466.0, 5377.0, 5259.0, 5594.0, 5662.0, 5710.0, 5408.0, 5382.0, 5584.0, 5506.0, 5396.0, 5488.0, 5453.0, 5689.0, 5428.0, 5554.0, 5491.0, 5369.0, 5695.0, 5496.0, 5723.0, 5409.0, 5598.0, 5419.0, 5252.0, 5582.0, 5505.0, 5450.0, 5652.0, 5490.0, 5357.0, 5634.0, 5370.0, 5330.0, 5458.0, 5714.0, 5319.0, 5461.0, 5518.0, 5581.0, 5625.0, 5482.0, 5388.0, 5520.0, 5570.0 (number of hits: 5)
7	5500.0	9	1.0	333	1	5613.0, 5561.0, 5573.0, 5526.0, 5671.0, 5500.0, 5362.0, 5643.0, 5335.0, 5633.0, 5717.0, 5611.0, 5385.0, 5279.0, 5586.0, 5501.0, 5608.0, 5635.0, 5277.0, 5582.0, 5642.0, 5393.0, 5505.0, 5617.0, 5711.0, 5702.0, 5546.0, 5636.0, 5549.0, 5295.0, 5262.0, 5591.0, 5553.0, 5343.0, 5332.0, 5411.0, 5416.0, 5584.0, 5274.0, 5338.0, 5334.0, 5454.0, 5278.0, 5481.0, 5697.0, 5386.0, 5644.0, 5581.0, 5666.0, 5710.0, 5314.0, 5578.0, 5355.0, 5551.0, 5384.0, 5280.0, 5290.0, 5463.0, 5447.0, 5254.0, 5698.0, 5618.0, 5510.0, 5259.0, 5388.0, 5341.0, 5539.0, 5431.0, 5630.0, 5394.0, 5603.0, 5506.0, 5273.0, 5668.0, 5580.0, 5374.0, 5256.0, 5402.0, 5287.0, 5451.0, 5331.0, 5495.0, 5270.0, 5634.0, 5307.0, 5429.0, 5350.0, 5657.0, 5672.0, 5704.0, 5502.0, 5375.0, 5400.0, 5627.0, 5284.0, 5412.0, 5436.0, 5661.0, 5336.0, 5508.0 (number of hits: 7)
8	5500.0	9	1.0	333	1	5665.0, 5436.0, 5518.0, 5623.0, 5515.0, 5412.0, 5520.0, 5593.0, 5285.0, 5565.0, 5687.0, 5492.0, 5500.0, 5564.0, 5326.0, 5391.0, 5526.0, 5477.0, 5335.0, 5345.0, 5568.0, 5472.0, 5582.0, 5337.0, 5336.0, 5365.0, 5510.0, 5362.0, 5537.0, 5704.0, 5693.0, 5667.0, 5585.0, 5479.0, 5531.0, 5713.0, 5524.0, 5507.0, 5475.0, 5576.0, 5605.0, 5720.0, 5511.0, 5304.0, 5266.0, 5274.0, 5273.0, 5330.0, 5671.0, 5331.0, 5516.0, 5599.0, 5470.0, 5314.0, 5269.0, 5280.0, 5490.0, 5346.0, 5466.0, 5429.0, 5277.0, 5527.0, 5418.0, 5533.0, 5607.0, 5367.0, 5478.0, 5493.0, 5439.0, 5639.0, 5386.0, 5715.0, 5446.0, 5381.0, 5672.0, 5342.0, 5404.0, 5714.0, 5289.0, 5505.0, 5443.0, 5570.0, 5706.0, 5389.0,

						5449.0, 5349.0, 5666.0, 5615.0, 5522.0, 5333.0, 5719.0, 5566.0, 5532.0, 5554.0, 5557.0, 5541.0, 5270.0, 5344.0, 5703.0, 5355.0 (number of hits: 5)
9	5500.0	9	1.0	333	1	5622.0, 5324.0, 5417.0, 5445.0, 5612.0, 5263.0, 5321.0, 5371.0, 5706.0, 5659.0, 5402.0, 5690.0, 5596.0, 5438.0, 5686.0, 5667.0, 5470.0, 5705.0, 5258.0, 5411.0, 5651.0, 5364.0, 5605.0, 5319.0, 5367.0, 5476.0, 5654.0, 5460.0, 5284.0, 5538.0, 5310.0, 5573.0, 5256.0, 5282.0, 5329.0, 5339.0, 5697.0, 5558.0, 5616.0, 5359.0, 5699.0, 5623.0, 5513.0, 5574.0, 5253.0, 5439.0, 5606.0, 5601.0, 5637.0, 5553.0, 5547.0, 5517.0, 5462.0, 5541.0, 5410.0, 5608.0, 5528.0, 5314.0, 5307.0, 5412.0, 5322.0, 5251.0, 5327.0, 5663.0, 5384.0, 5276.0, 5254.0, 5698.0, 5679.0, 5682.0, 5488.0, 5348.0, 5334.0, 5274.0, 5544.0, 5446.0, 5266.0, 5683.0, 5409.0, 5337.0, 5587.0, 5537.0, 5546.0, 5267.0, 5535.0, 5493.0, 5520.0, 5370.0, 5618.0, 5631.0, 5721.0, 5461.0, 5710.0, 5374.0, 5392.0, 5308.0, 5586.0, 5548.0, 5427.0, 5309.0 (number of hits: 1)
10	5500.0	9	1.0	333	1	5576.0, 5570.0, 5253.0, 5585.0, 5613.0, 5438.0, 5634.0, 5641.0, 5427.0, 5550.0, 5494.0, 5612.0, 5419.0, 5426.0, 5541.0, 5336.0, 5535.0, 5442.0, 5679.0, 5507.0, 5430.0, 5518.0, 5538.0, 5493.0, 5557.0, 5394.0, 5372.0, 5590.0, 5300.0, 5548.0, 5325.0, 5676.0, 5545.0, 5512.0, 5341.0, 5558.0, 5695.0, 5717.0, 5381.0, 5588.0, 5539.0, 5366.0, 5400.0, 5500.0, 5649.0, 5380.0, 5262.0, 5328.0, 5403.0, 5478.0, 5449.0, 5632.0, 5671.0, 5305.0, 5627.0, 5392.0, 5388.0, 5289.0, 5486.0, 5596.0, 5574.0, 5490.0, 5575.0, 5292.0, 5669.0, 5533.0, 5405.0, 5625.0, 5605.0, 5555.0, 5685.0, 5658.0, 5505.0, 5622.0, 5333.0, 5406.0, 5276.0, 5479.0, 5620.0, 5706.0, 5320.0, 5473.0, 5263.0, 5256.0, 5600.0, 5668.0, 5678.0, 5531.0, 5265.0, 5457.0, 5552.0, 5364.0, 5456.0, 5472.0, 5504.0, 5350.0, 5724.0, 5708.0, 5355.0, 5594.0 (number of hits: 6)
11	5500.0	9	1.0	333	1	5357.0, 5590.0, 5314.0, 5368.0, 5519.0, 5613.0, 5724.0, 5265.0, 5620.0, 5640.0, 5579.0, 5436.0, 5482.0, 5638.0, 5378.0, 5720.0, 5322.0, 5675.0, 5339.0, 5647.0, 5560.0, 5283.0, 5303.0, 5514.0, 5261.0, 5302.0, 5364.0, 5599.0, 5419.0, 5307.0, 5313.0, 5306.0, 5625.0, 5713.0, 5417.0, 5292.0, 5512.0, 5441.0, 5521.0, 5465.0, 5461.0, 5691.0, 5319.0, 5312.0, 5710.0, 5572.0, 5619.0, 5480.0, 5495.0, 5505.0, 5676.0, 5474.0, 5701.0, 5525.0, 5550.0, 5250.0, 5722.0, 5427.0, 5553.0, 5577.0, 5387.0, 5266.0, 5347.0, 5372.0, 5629.0, 5437.0, 5520.0, 5342.0, 5696.0, 5476.0, 5466.0, 5530.0, 5308.0, 5529.0, 5263.0, 5458.0, 5440.0, 5497.0, 5301.0, 5367.0, 5551.0, 5473.0, 5598.0, 5502.0, 5422.0, 5280.0, 5479.0, 5356.0, 5382.0, 5698.0, 5526.0, 5646.0, 5681.0, 5719.0, 5546.0, 5254.0, 5714.0, 5703.0, 5557.0, 5291.0 (number of hits: 4)
12	5500.0	9	1.0	333	0	

13	5500.0	9	1.0	333	1	5496.0, 5291.0, 5645.0, 5550.0, 5652.0, 5316.0, 5437.0, 5587.0, 5571.0, 5320.0, 5621.0, 5689.0, 5487.0, 5651.0, 5372.0, 5273.0, 5623.0, 5401.0, 5301.0, 5302.0, 5698.0, 5387.0, 5711.0, 5647.0, 5448.0, 5335.0, 5521.0, 5583.0, 5530.0, 5344.0, 5674.0, 5319.0, 5663.0, 5416.0, 5641.0, 5325.0, 5627.0, 5528.0, 5386.0, 5357.0, 5439.0, 5253.0, 5670.0, 5359.0, 5635.0, 5586.0, 5431.0, 5631.0, 5604.0, 5683.0, 5540.0, 5304.0, 5563.0, 5593.0, 5691.0, 5688.0, 5351.0, 5411.0, 5662.0, 5478.0, 5584.0, 5657.0, 5608.0, 5490.0, 5618.0, 5462.0, 5594.0, 5607.0, 5366.0, 5678.0, 5572.0, 5435.0, 5671.0, 5444.0, 5599.0, 5353.0, 5483.0, 5508.0, 5488.0, 5549.0, 5592.0, 5371.0, 5373.0, 5646.0, 5520.0, 5278.0, 5421.0, 5388.0, 5512.0, 5511.0, 5588.0, 5578.0, 5361.0, 5327.0, 5423.0, 5717.0, 5517.0, 5346.0, 5324.0, 5276.0 (number of hits: 2)
14	5500.0	9	1.0	333	1	5581.0, 5548.0, 5345.0, 5622.0, 5420.0, 5484.0, 5709.0, 5516.0, 5551.0, 5266.0, 5667.0, 5297.0, 5526.0, 5269.0, 5708.0, 5513.0, 5464.0, 5315.0, 5254.0, 5356.0, 5509.0, 5423.0, 5529.0, 5711.0, 5592.0, 5634.0, 5646.0, 5528.0, 5561.0, 5261.0, 5323.0, 5371.0, 5571.0, 5328.0, 5451.0, 5522.0, 5536.0, 5256.0, 5288.0, 5257.0, 5401.0, 5518.0, 5542.0, 5374.0, 5400.0, 5305.0, 5348.0, 5350.0, 5365.0, 5293.0, 5278.0, 5651.0, 5538.0, 5689.0, 5564.0, 5336.0, 5608.0, 5712.0, 5361.0, 5286.0, 5260.0, 5597.0, 5422.0, 5373.0, 5478.0, 5669.0, 5448.0, 5702.0, 5340.0, 5304.0, 5481.0, 5687.0, 5611.0, 5510.0, 5310.0, 5583.0, 5636.0, 5403.0, 5507.0, 5584.0, 5552.0, 5648.0, 5638.0, 5582.0, 5555.0, 5493.0, 5675.0, 5557.0, 5378.0, 5722.0, 5585.0, 5322.0, 5627.0, 5663.0, 5274.0, 5549.0, 5650.0, 5317.0, 5472.0, 5468.0 (number of hits: 2)
15	5500.0	9	1.0	333	1	5474.0, 5276.0, 5369.0, 5349.0, 5368.0, 5269.0, 5716.0, 5564.0, 5574.0, 5494.0, 5510.0, 5598.0, 5593.0, 5336.0, 5524.0, 5485.0, 5698.0, 5677.0, 5409.0, 5535.0, 5714.0, 5472.0, 5556.0, 5417.0, 5254.0, 5398.0, 5608.0, 5599.0, 5508.0, 5648.0, 5565.0, 5263.0, 5516.0, 5444.0, 5391.0, 5471.0, 5712.0, 5582.0, 5459.0, 5285.0, 5541.0, 5403.0, 5331.0, 5663.0, 5422.0, 5436.0, 5330.0, 5334.0, 5446.0, 5258.0, 5266.0, 5686.0, 5586.0, 5366.0, 5522.0, 5559.0, 5506.0, 5576.0, 5380.0, 5603.0, 5589.0, 5388.0, 5685.0, 5345.0, 5358.0, 5708.0, 5615.0, 5548.0, 5442.0, 5646.0, 5577.0, 5372.0, 5478.0, 5480.0, 5338.0, 5280.0, 5546.0, 5529.0, 5504.0, 5631.0, 5282.0, 5364.0, 5526.0, 5384.0, 5519.0, 5309.0, 5597.0, 5722.0, 5344.0, 5392.0, 5427.0, 5539.0, 5682.0, 5329.0, 5635.0, 5340.0, 5536.0, 5413.0, 5421.0, 5319.0 (number of hits: 4)
16	5500.0	9	1.0	333	1	5653.0, 5548.0, 5570.0, 5634.0, 5543.0, 5319.0, 5676.0, 5454.0, 5690.0, 5314.0, 5545.0, 5677.0, 5416.0, 5711.0, 5497.0, 5610.0, 5496.0, 5438.0, 5324.0, 5649.0, 5254.0, 5355.0, 5612.0, 5274.0, 5281.0, 5620.0, 5437.0, 5687.0, 5589.0, 5415.0, 5259.0, 5529.0, 5641.0, 5691.0, 5717.0, 5621.0, 5270.0, 5278.0, 5577.0, 5407.0, 5341.0, 5638.0, 5562.0, 5516.0, 5293.0, 5668.0, 5356.0, 5255.0, 5526.0, 5515.0, 5605.0, 5453.0, 5313.0, 5401.0, 5321.0, 5490.0, 5424.0, 5336.0, 5643.0, 5406.0, 5595.0, 5252.0, 5604.0, 5307.0, 5308.0, 5463.0, 5386.0, 5450.0, 5549.0, 5629.0, 5467.0, 5342.0, 5483.0, 5574.0, 5714.0, 5712.0, 5339.0, 5390.0, 5458.0, 5330.0, 5661.0, 5384.0, 5435.0, 5571.0, 5280.0, 5352.0, 5707.0, 5579.0, 5361.0, 5553.0, 5702.0, 5584.0, 5654.0, 5273.0, 5353.0, 5507.0, 5616.0, 5328.0,

						5511.0, 5556.0 (number of hits: 3)
17	5500.0	9	1.0	333	1	5579.0, 5266.0, 5356.0, 5567.0, 5598.0, 5676.0, 5662.0, 5590.0, 5311.0, 5497.0, 5326.0, 5713.0, 5459.0, 5264.0, 5611.0, 5474.0, 5653.0, 5253.0, 5317.0, 5599.0, 5282.0, 5652.0, 5595.0, 5257.0, 5649.0, 5445.0, 5412.0, 5701.0, 5651.0, 5295.0, 5422.0, 5455.0, 5644.0, 5288.0, 5648.0, 5617.0, 5256.0, 5358.0, 5707.0, 5381.0, 5525.0, 5390.0, 5564.0, 5292.0, 5684.0, 5524.0, 5271.0, 5637.0, 5685.0, 5670.0, 5478.0, 5565.0, 5338.0, 5404.0, 5438.0, 5385.0, 5577.0, 5587.0, 5376.0, 5666.0, 5700.0, 5533.0, 5411.0, 5380.0, 5312.0, 5366.0, 5502.0, 5643.0, 5560.0, 5492.0, 5484.0, 5342.0, 5548.0, 5300.0, 5614.0, 5368.0, 5618.0, 5424.0, 5465.0, 5378.0, 5401.0, 5432.0, 5628.0, 5667.0, 5273.0, 5669.0, 5327.0, 5513.0, 5536.0, 5429.0, 5447.0, 5489.0, 5355.0, 5307.0, 5408.0, 5703.0, 5479.0, 5393.0, 5294.0, 5677.0 (number of hits: 3)
18	5500.0	9	1.0	333	1	5602.0, 5492.0, 5320.0, 5447.0, 5413.0, 5548.0, 5294.0, 5704.0, 5369.0, 5609.0, 5347.0, 5285.0, 5374.0, 5589.0, 5332.0, 5256.0, 5466.0, 5712.0, 5333.0, 5351.0, 5677.0, 5316.0, 5334.0, 5569.0, 5556.0, 5430.0, 5718.0, 5297.0, 5395.0, 5634.0, 5493.0, 5266.0, 5702.0, 5386.0, 5280.0, 5612.0, 5261.0, 5464.0, 5496.0, 5639.0, 5418.0, 5446.0, 5660.0, 5617.0, 5376.0, 5610.0, 5270.0, 5498.0, 5302.0, 5471.0, 5623.0, 5306.0, 5252.0, 5452.0, 5441.0, 5257.0, 5433.0, 5650.0, 5582.0, 5603.0, 5519.0, 5703.0, 5449.0, 5605.0, 5384.0, 5335.0, 5352.0, 5264.0, 5648.0, 5364.0, 5405.0, 5303.0, 5474.0, 5357.0, 5455.0, 5679.0, 5409.0, 5358.0, 5509.0, 5296.0, 5550.0, 5485.0, 5489.0, 5635.0, 5284.0, 5619.0, 5437.0, 5502.0, 5621.0, 5460.0, 5315.0, 5542.0, 5378.0, 5293.0, 5341.0, 5343.0, 5710.0, 5691.0, 5439.0, 5530.0 (number of hits: 5)
19	5500.0	9	1.0	333	1	5328.0, 5466.0, 5456.0, 5683.0, 5382.0, 5371.0, 5580.0, 5386.0, 5541.0, 5464.0, 5483.0, 5431.0, 5522.0, 5437.0, 5496.0, 5374.0, 5636.0, 5458.0, 5321.0, 5693.0, 5655.0, 5399.0, 5303.0, 5552.0, 5348.0, 5554.0, 5296.0, 5597.0, 5312.0, 5689.0, 5533.0, 5537.0, 5453.0, 5429.0, 5411.0, 5274.0, 5670.0, 5305.0, 5534.0, 5562.0, 5661.0, 5463.0, 5293.0, 5474.0, 5403.0, 5412.0, 5292.0, 5710.0, 5251.0, 5503.0, 5702.0, 5294.0, 5322.0, 5724.0, 5486.0, 5648.0, 5478.0, 5626.0, 5663.0, 5591.0, 5565.0, 5398.0, 5297.0, 5525.0, 5476.0, 5550.0, 5256.0, 5646.0, 5551.0, 5434.0, 5282.0, 5250.0, 5703.0, 5404.0, 5701.0, 5475.0, 5266.0, 5353.0, 5637.0, 5276.0, 5479.0, 5594.0, 5570.0, 5602.0, 5579.0, 5649.0, 5631.0, 5526.0, 5521.0, 5635.0, 5505.0, 5668.0, 5609.0, 5659.0, 5539.0, 5424.0, 5333.0, 5390.0, 5275.0, 5480.0 (number of hits: 3)
20	5500.0	9	1.0	333	1	5531.0, 5389.0, 5480.0, 5342.0, 5638.0, 5432.0, 5549.0, 5290.0, 5633.0, 5501.0, 5361.0, 5408.0, 5545.0, 5407.0, 5515.0, 5711.0, 5416.0, 5455.0, 5448.0, 5481.0, 5520.0, 5631.0, 5490.0, 5626.0, 5525.0, 5697.0, 5610.0, 5528.0, 5596.0, 5569.0, 5510.0, 5403.0, 5541.0, 5547.0, 5322.0, 5474.0, 5255.0, 5723.0, 5508.0, 5611.0, 5379.0, 5665.0, 5278.0, 5537.0, 5304.0, 5666.0, 5396.0, 5418.0, 5331.0, 5658.0, 5373.0, 5266.0, 5718.0, 5527.0, 5297.0, 5599.0, 5488.0, 5353.0, 5532.0, 5720.0, 5556.0, 5623.0, 5410.0, 5707.0, 5397.0, 5579.0, 5693.0, 5319.0, 5709.0, 5365.0, 5694.0, 5338.0, 5674.0, 5655.0, 5287.0, 5491.0, 5309.0, 5259.0, 5482.0, 5478.0, 5264.0, 5574.0, 5317.0, 5334.0, 5288.0, 5568.0, 5606.0, 5461.0, 5314.0, 5546.0, 5642.0, 5533.0, 5686.0, 5517.0, 5452.0, 5636.0, 5296.0, 5714.0, 5544.0, 5691.0 (number of hits: 3)
21	5500.0	9	1.0	333	1	5466.0, 5326.0, 5663.0, 5624.0, 5586.0, 5653.0, 5545.0,

						5680.0, 5669.0, 5538.0, 5616.0, 5388.0, 5527.0, 5289.0, 5650.0, 5617.0, 5261.0, 5630.0, 5426.0, 5279.0, 5453.0, 5570.0, 5693.0, 5689.0, 5336.0, 5295.0, 5543.0, 5482.0, 5258.0, 5422.0, 5674.0, 5621.0, 5378.0, 5458.0, 5599.0, 5550.0, 5460.0, 5461.0, 5610.0, 5643.0, 5304.0, 5686.0, 5314.0, 5511.0, 5506.0, 5354.0, 5392.0, 5274.0, 5486.0, 5687.0, 5637.0, 5395.0, 5291.0, 5553.0, 5684.0, 5682.0, 5407.0, 5702.0, 5496.0, 5715.0, 5446.0, 5678.0, 5670.0, 5350.0, 5330.0, 5720.0, 5363.0, 5589.0, 5419.0, 5302.0, 5463.0, 5450.0, 5522.0, 5691.0, 5560.0, 5313.0, 5428.0, 5308.0, 5331.0, 5580.0, 5677.0, 5503.0, 5360.0, 5294.0, 5646.0, 5355.0, 5264.0, 5579.0, 5605.0, 5414.0, 5338.0, 5555.0, 5311.0, 5659.0, 5437.0, 5277.0, 5384.0, 5484.0, 5683.0, 5499.0 (number of hits: 4)
22	5500.0	9	1.0	333	1	5488.0, 5372.0, 5677.0, 5283.0, 5438.0, 5631.0, 5723.0, 5435.0, 5644.0, 5485.0, 5697.0, 5643.0, 5358.0, 5568.0, 5387.0, 5388.0, 5480.0, 5468.0, 5591.0, 5432.0, 5399.0, 5279.0, 5486.0, 5616.0, 5284.0, 5263.0, 5492.0, 5671.0, 5285.0, 5681.0, 5421.0, 5580.0, 5331.0, 5429.0, 5558.0, 5289.0, 5416.0, 5638.0, 5504.0, 5709.0, 5662.0, 5319.0, 5687.0, 5376.0, 5505.0, 5507.0, 5301.0, 5721.0, 5510.0, 5547.0, 5473.0, 5600.0, 5623.0, 5378.0, 5604.0, 5266.0, 5663.0, 5595.0, 5702.0, 5436.0, 5713.0, 5592.0, 5484.0, 5552.0, 5695.0, 5622.0, 5386.0, 5439.0, 5546.0, 5290.0, 5409.0, 5601.0, 5715.0, 5654.0, 5437.0, 5278.0, 5443.0, 5684.0, 5277.0, 5579.0, 5673.0, 5613.0, 5642.0, 5444.0, 5699.0, 5460.0, 5337.0, 5479.0, 5410.0, 5585.0, 5475.0, 5441.0, 5626.0, 5391.0, 5720.0, 5506.0, 5603.0, 5653.0, 5621.0, 5608.0 (number of hits: 5)
23	5500.0	9	1.0	333	1	5278.0, 5418.0, 5371.0, 5704.0, 5415.0, 5600.0, 5634.0, 5651.0, 5618.0, 5491.0, 5266.0, 5614.0, 5294.0, 5684.0, 5396.0, 5564.0, 5641.0, 5500.0, 5669.0, 5288.0, 5253.0, 5312.0, 5559.0, 5674.0, 5468.0, 5297.0, 5653.0, 5417.0, 5652.0, 5604.0, 5404.0, 5611.0, 5265.0, 5627.0, 5280.0, 5298.0, 5724.0, 5485.0, 5712.0, 5444.0, 5587.0, 5322.0, 5501.0, 5596.0, 5697.0, 5624.0, 5629.0, 5570.0, 5333.0, 5426.0, 5451.0, 5399.0, 5551.0, 5649.0, 5680.0, 5296.0, 5291.0, 5366.0, 5636.0, 5345.0, 5339.0, 5304.0, 5532.0, 5646.0, 5543.0, 5408.0, 5691.0, 5695.0, 5277.0, 5394.0, 5545.0, 5575.0, 5374.0, 5286.0, 5380.0, 5483.0, 5593.0, 5437.0, 5710.0, 5637.0, 5667.0, 5413.0, 5562.0, 5310.0, 5552.0, 5591.0, 5369.0, 5631.0, 5576.0, 5454.0, 5698.0, 5539.0, 5456.0, 5654.0, 5449.0, 5703.0, 5683.0, 5572.0, 5685.0, 5459.0 (number of hits: 3)
24	5500.0	9	1.0	333	1	5441.0, 5312.0, 5502.0, 5358.0, 5497.0, 5390.0, 5291.0, 5410.0, 5388.0, 5671.0, 5607.0, 5261.0, 5637.0, 5276.0, 5339.0, 5274.0, 5702.0, 5354.0, 5483.0, 5361.0, 5466.0, 5382.0, 5289.0, 5327.0, 5469.0, 5711.0, 5631.0, 5498.0, 5336.0, 5318.0, 5377.0, 5337.0, 5470.0, 5515.0, 5567.0, 5550.0, 5544.0, 5640.0, 5334.0, 5595.0, 5719.0, 5448.0, 5468.0, 5647.0, 5548.0, 5621.0, 5547.0, 5614.0, 5452.0, 5343.0, 5556.0, 5579.0, 5663.0, 5683.0, 5463.0, 5541.0, 5672.0, 5316.0, 5700.0, 5409.0, 5383.0, 5303.0, 5449.0, 5529.0, 5504.0, 5370.0, 5253.0, 5475.0, 5264.0, 5348.0, 5698.0, 5335.0, 5517.0, 5674.0, 5415.0, 5387.0, 5534.0, 5537.0, 5555.0, 5720.0, 5496.0, 5299.0, 5461.0, 5266.0, 5660.0, 5625.0, 5279.0, 5514.0, 5362.0, 5416.0, 5371.0, 5643.0, 5632.0, 5414.0, 5396.0, 5360.0, 5582.0, 5724.0, 5451.0, 5656.0 (number of hits: 5)
25	5500.0	9	1.0	333	1	5354.0, 5282.0, 5502.0, 5326.0, 5465.0, 5267.0, 5620.0, 5334.0, 5560.0, 5317.0, 5686.0, 5625.0, 5350.0, 5714.0, 5700.0, 5469.0, 5551.0, 5672.0, 5343.0, 5667.0, 5256.0,

						5298.0, 5342.0, 5650.0, 5567.0, 5542.0, 5332.0, 5628.0, 5591.0, 5374.0, 5603.0, 5333.0, 5558.0, 5513.0, 5368.0, 5713.0, 5312.0, 5697.0, 5536.0, 5266.0, 5476.0, 5565.0, 5475.0, 5606.0, 5657.0, 5576.0, 5712.0, 5441.0, 5609.0, 5404.0, 5356.0, 5472.0, 5501.0, 5452.0, 5627.0, 5324.0, 5685.0, 5438.0, 5491.0, 5388.0, 5546.0, 5410.0, 5517.0, 5489.0, 5599.0, 5431.0, 5464.0, 5656.0, 5336.0, 5429.0, 5305.0, 5337.0, 5391.0, 5577.0, 5376.0, 5286.0, 5633.0, 5678.0, 5525.0, 5313.0, 5432.0, 5398.0, 5519.0, 5499.0, 5654.0, 5379.0, 5439.0, 5386.0, 5710.0, 5275.0, 5588.0, 5381.0, 5581.0, 5524.0, 5480.0, 5533.0, 5493.0, 5539.0, 5447.0, 5361.0 (number of hits: 5)
26	5500.0	9	1.0	333	1	5580.0, 5620.0, 5695.0, 5711.0, 5720.0, 5650.0, 5533.0, 5334.0, 5419.0, 5704.0, 5473.0, 5296.0, 5593.0, 5415.0, 5536.0, 5715.0, 5450.0, 5674.0, 5712.0, 5668.0, 5476.0, 5723.0, 5346.0, 5442.0, 5494.0, 5313.0, 5667.0, 5586.0, 5274.0, 5641.0, 5617.0, 5263.0, 5601.0, 5434.0, 5646.0, 5529.0, 5421.0, 5615.0, 5626.0, 5647.0, 5531.0, 5280.0, 5504.0, 5696.0, 5463.0, 5355.0, 5642.0, 5548.0, 5590.0, 5275.0, 5483.0, 5341.0, 5664.0, 5652.0, 5485.0, 5555.0, 5666.0, 5271.0, 5669.0, 5395.0, 5673.0, 5452.0, 5510.0, 5629.0, 5459.0, 5389.0, 5369.0, 5493.0, 5497.0, 5520.0, 5401.0, 5690.0, 5468.0, 5491.0, 5335.0, 5591.0, 5307.0, 5388.0, 5530.0, 5576.0, 5507.0, 5435.0, 5628.0, 5498.0, 5581.0, 5479.0, 5428.0, 5635.0, 5359.0, 5420.0, 5322.0, 5397.0, 5525.0, 5427.0, 5717.0, 5486.0, 5550.0, 5423.0, 5662.0, 5708.0 (number of hits: 7)
27	5500.0	9	1.0	333	1	5440.0, 5363.0, 5516.0, 5402.0, 5645.0, 5445.0, 5630.0, 5495.0, 5594.0, 5626.0, 5367.0, 5505.0, 5715.0, 5470.0, 5675.0, 5677.0, 5397.0, 5463.0, 5590.0, 5462.0, 5377.0, 5342.0, 5410.0, 5304.0, 5430.0, 5459.0, 5391.0, 5268.0, 5498.0, 5616.0, 5472.0, 5523.0, 5503.0, 5539.0, 5317.0, 5532.0, 5584.0, 5634.0, 5465.0, 5279.0, 5707.0, 5272.0, 5256.0, 5497.0, 5511.0, 5706.0, 5609.0, 5665.0, 5401.0, 5644.0, 5678.0, 5451.0, 5366.0, 5278.0, 5345.0, 5293.0, 5658.0, 5716.0, 5534.0, 5348.0, 5263.0, 5435.0, 5507.0, 5583.0, 5443.0, 5587.0, 5521.0, 5332.0, 5335.0, 5423.0, 5637.0, 5453.0, 5573.0, 5322.0, 5687.0, 5257.0, 5585.0, 5540.0, 5319.0, 5447.0, 5520.0, 5254.0, 5650.0, 5437.0, 5565.0, 5631.0, 5571.0, 5628.0, 5399.0, 5499.0, 5619.0, 5448.0, 5528.0, 5595.0, 5674.0, 5374.0, 5456.0, 5622.0, 5562.0, 5686.0 (number of hits: 7)
28	5500.0	9	1.0	333	1	5605.0, 5336.0, 5509.0, 5327.0, 5363.0, 5472.0, 5322.0, 5348.0, 5420.0, 5515.0, 5367.0, 5492.0, 5287.0, 5291.0, 5546.0, 5647.0, 5253.0, 5621.0, 5266.0, 5665.0, 5576.0, 5282.0, 5645.0, 5575.0, 5722.0, 5711.0, 5588.0, 5325.0, 5698.0, 5391.0, 5371.0, 5649.0, 5417.0, 5265.0, 5555.0, 5490.0, 5672.0, 5432.0, 5405.0, 5498.0, 5333.0, 5650.0, 5611.0, 5305.0, 5568.0, 5435.0, 5632.0, 5361.0, 5464.0, 5355.0, 5504.0, 5713.0, 5362.0, 5445.0, 5260.0, 5467.0, 5534.0, 5690.0, 5694.0, 5482.0, 5569.0, 5251.0, 5456.0, 5256.0, 5549.0, 5474.0, 5701.0, 5293.0, 5687.0, 5312.0, 5262.0, 5517.0, 5473.0, 5328.0, 5481.0, 5661.0, 5425.0, 5478.0, 5634.0, 5535.0, 5512.0, 5631.0, 5708.0, 5502.0, 5676.0, 5646.0, 5677.0, 5601.0, 5317.0, 5453.0, 5344.0, 5447.0, 5654.0, 5477.0, 5409.0, 5706.0, 5377.0, 5542.0, 5259.0, 5304.0 (number of hits: 4)
29	5500.0	9	1.0	333	1	5617.0, 5602.0, 5603.0, 5656.0, 5497.0, 5368.0, 5302.0, 5557.0, 5493.0, 5347.0, 5482.0, 5280.0, 5692.0, 5475.0, 5521.0, 5606.0, 5314.0, 5444.0, 5591.0, 5598.0, 5438.0, 5267.0, 5642.0, 5549.0, 5513.0, 5416.0, 5367.0, 5489.0, 5629.0, 5510.0, 5454.0, 5527.0, 5283.0, 5470.0, 5685.0,

						5348.0, 5547.0, 5695.0, 5706.0, 5335.0, 5597.0, 5468.0, 5452.0, 5519.0, 5492.0, 5350.0, 5623.0, 5563.0, 5634.0, 5671.0, 5346.0, 5469.0, 5635.0, 5578.0, 5370.0, 5650.0, 5619.0, 5345.0, 5681.0, 5621.0, 5465.0, 5566.0, 5329.0, 5590.0, 5661.0, 5417.0, 5718.0, 5618.0, 5463.0, 5512.0, 5570.0, 5298.0, 5716.0, 5467.0, 5456.0, 5411.0, 5707.0, 5441.0, 5708.0, 5715.0, 5336.0, 5323.0, 5500.0, 5387.0, 5487.0, 5250.0, 5613.0, 5631.0, 5667.0, 5516.0, 5447.0, 5275.0, 5544.0, 5614.0, 5253.0, 5474.0, 5532.0, 5272.0, 5382.0, 5263.0 (number of hits: 4)
30	5500.0	9	1.0	333	1	5429.0, 5472.0, 5717.0, 5673.0, 5277.0, 5304.0, 5565.0, 5278.0, 5305.0, 5397.0, 5529.0, 5708.0, 5386.0, 5711.0, 5596.0, 5522.0, 5459.0, 5426.0, 5270.0, 5542.0, 5566.0, 5398.0, 5539.0, 5377.0, 5464.0, 5493.0, 5618.0, 5463.0, 5540.0, 5329.0, 5668.0, 5371.0, 5600.0, 5338.0, 5294.0, 5276.0, 5688.0, 5521.0, 5628.0, 5342.0, 5498.0, 5422.0, 5359.0, 5536.0, 5581.0, 5262.0, 5320.0, 5384.0, 5553.0, 5417.0, 5316.0, 5689.0, 5416.0, 5321.0, 5679.0, 5654.0, 5291.0, 5544.0, 5486.0, 5678.0, 5576.0, 5326.0, 5579.0, 5641.0, 5558.0, 5355.0, 5577.0, 5547.0, 5364.0, 5345.0, 5363.0, 5311.0, 5438.0, 5552.0, 5412.0, 5474.0, 5604.0, 5458.0, 5352.0, 5453.0, 5674.0, 5714.0, 5575.0, 5273.0, 5530.0, 5361.0, 5410.0, 5419.0, 5667.0, 5640.0, 5335.0, 5518.0, 5457.0, 5639.0, 5503.0, 5450.0, 5593.0, 5255.0, 5681.0, 5624.0 (number of hits: 3)

AP Mode
Pine Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	72	1.0	738	1
2	76	1.0	698	1
3	59	1.0	898	1
4	92	1.0	578	1
5	57	1.0	938	1
6	81	1.0	658	1
7	62	1.0	858	1
8	78	1.0	678	1
9	89	1.0	598	1
10	67	1.0	798	1
11	86	1.0	618	1
12	74	1.0	718	0
13	83	1.0	638	1
14	65	1.0	818	1
15	67	1.0	518	1
16	31	1.0	1743	1
17	33	1.0	1649	1
18	62	1.0	864	1
19	21	1.0	2605	1
20	27	1.0	2008	1
21	102	1.0	519	1
22	37	1.0	1446	1
23	25	1.0	2170	1
24	27	1.0	1984	1
25	62	1.0	862	1
26	22	1.0	2456	1
27	33	1.0	1625	1
28	100	1.0	533	1
29	37	1.0	1427	1
30	60	1.0	890	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	29	1.5	196	1
2	23	1.1	163	1
3	28	4.8	198	1
4	24	1.1	189	1
5	28	3.2	205	1
6	23	2.3	200	1
7	24	5.0	193	1
8	24	3.6	229	1
9	29	3.3	160	1
10	29	1.7	197	0
11	27	3.5	227	1
12	28	4.1	169	1
13	26	3.9	178	1
14	26	4.5	178	1
15	25	4.2	199	0
16	26	1.1	152	1
17	24	3.1	220	1
18	23	4.2	160	1
19	28	3.8	201	1
20	23	1.6	229	1
21	27	2.9	196	0
22	29	1.9	187	1
23	26	2.3	221	1
24	23	4.9	173	0
25	24	4.8	209	1
26	24	2.4	177	1
27	26	2.5	200	1
28	25	1.5	155	0
29	23	2.2	162	1
30	24	3.1	204	1
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	9.4	482	1
2	18	8.2	353	1
3	17	7.7	341	1
4	17	9.1	296	1
5	16	6.7	244	1
6	17	7.0	442	1
7	17	7.1	308	0
8	18	8.0	354	1
9	16	7.9	341	1
10	16	8.9	275	1
11	16	8.5	409	1
12	17	9.2	336	1
13	18	9.6	379	0
14	17	8.1	419	1
15	18	7.2	487	1
16	17	9.8	217	1
17	18	8.3	316	1
18	17	7.7	229	1
19	17	8.8	500	1
20	18	6.7	220	1
21	16	7.7	357	0
22	18	10.0	428	0
23	18	7.4	493	1
24	18	9.5	251	1
25	17	7.7	342	1
26	18	10.0	392	1
27	18	7.1	406	1
28	18	7.5	285	1
29	16	8.1	381	1
30	16	7.7	389	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	14	17.4	320	1
2	16	12.8	305	1
3	15	18.4	409	0
4	14	16.8	315	1
5	15	17.2	240	1
6	14	14.2	446	0
7	16	13.7	285	1
8	13	18.1	226	1
9	13	17.1	478	1
10	13	13.0	465	0
11	13	16.3	299	1
12	16	12.1	273	1
13	16	12.4	457	1
14	16	19.0	339	1
15	12	15.3	462	1
16	13	17.1	202	1
17	12	13.0	441	1
18	15	12.1	428	0
19	15	19.4	329	1
20	15	17.0	494	1
21	15	13.1	392	1
22	16	12.4	211	0
23	12	11.6	305	1
24	13	12.6	259	0
25	15	11.7	220	1
26	15	11.9	447	1
27	15	19.7	263	1
28	14	15.4	405	1
a29	12	20.0	462	1
30	14	14.6	337	0
Detection Percentage: 76.7 % (>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	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5497.6	1
12	5500.0	1
13	5496.0	1
14	5495.6	1
15	5498.8	1
16	5499.2	1
17	5498.0	1
18	5499.6	1
19	5494.8	1
20	5497.2	1
21	5526.0	1
22	5521.6	1
23	5521.2	1
24	5520.8	1
25	5521.6	1
26	5522.0	1
27	5520.4	1
28	5524.4	1
29	5520.8	1
30	5522.0	1
Detection Percentage: 100 % (>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	85.7	1484	1878	0.618181	
1	2	12	95.0	1409		1.132669	
2	3	12	81.0	1398	1909	2.003124	
3	2	12	52.6	1850		2.401009	
4	1	12	92.3			3.215587	
5	3	12	88.9	1901	1458	3.551280	
6	1	12	53.5			4.335136	
7	3	12	80.5	1015	1326	5.430783	
8	3	12	79.6	1845	1761	5.660010	1
9	2	12	54.7	1612		6.504618	
10	2	12	74.7	1400		7.702590	
11	2	12	64.3	1836		7.930381	
12	3	12	81.2	1988	1753	8.674802	
13	1	12	97.0			9.795555	
14	2	12	99.2	1621		10.234298	
15	1	12	53.7			11.062103	
16	1	12	82.7			11.965303	

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	14	57.7	1939	1397	0.180842	
1	1	14	71.8			1.148877	
2	2	14	99.8	1127		2.099394	
3	2	14	71.0	1005		2.896583	
4	1	14	50.1			3.886667	
5	1	14	78.5			4.759632	
6	3	14	82.0	1993	1048	5.024921	
7	2	14	57.7	1044		6.249001	1
8	2	14	97.7	1266		6.764601	
9	1	14	74.8			7.490854	
10	2	14	91.9	1645		8.578940	
11	3	14	98.1	1898	1733	9.428854	
12	1	14	66.6			10.091576	
13	1	14	68.3			10.645373	
14	3	14	58.3	1427	1727	11.649394	

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	15	85.4	1043		0.318120	1
1	1	15	98.7			1.026366	
2	2	15	70.4	1135		1.664936	
3	3	15	80.4	1255	1277	2.671979	
4	2	15	87.7	1809		3.177567	
5	2	15	58.4	1504		4.100769	
6	2	15	66.3	1193		5.077834	
7	2	15	51.1	1286		5.835156	
8	2	15	75.2	1830		6.468075	
9	1	15	98.2			7.436140	
10	2	15	67.0	1307		8.081764	
11	3	15	87.5	1386	1060	8.901608	
12	2	15	87.4	1694		9.635292	
13	1	15	72.2			10.186628	
14	2	15	77.7	1262		10.709854	
15	3	15	84.3	1859	1615	11.661597	

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	14	79.3			0.631724	1
1	2	14	67.3	1106		1.741485	
2	2	14	53.3	1727		2.657106	
3	2	14	63.2	1952		3.804490	
4	2	14	64.8	1713		4.868518	
5	1	14	73.1			6.040576	
6	2	14	61.6	1583		6.568509	
7	1	14	83.5			8.129597	
8	3	14	72.6	1065	1462	9.319398	
9	3	14	55.1	1846	1352	10.129595	
10	2	14	50.2	1933		11.642279	

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	55.4	1147		0.548425	
1	1	9	89.3			0.992741	
2	2	9	60.7	1686		1.665479	
3	1	9	74.0			2.753545	
4	2	9	59.7	1351		3.133126	
5	1	9	87.7			3.827760	
6	2	9	58.0	1772		4.648044	
7	3	9	71.3	1887	1802	5.102837	
8	2	9	67.8	1050		5.987960	1
9	2	9	68.0	1140		6.422964	
10	2	9	57.2	1555		7.369469	
11	3	9	83.9	1492	1863	7.893415	
12	1	9	80.1			8.514544	
13	1	9	85.4			9.599686	
14	1	9	54.3			10.283389	
15	3	9	62.7	1011	1747	11.029875	
16	2	9	99.2	1878		11.592819	

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	12	53.1			0.952973	
1	2	12	90.0	1372		1.372652	
2	2	12	82.5	1317		2.439469	
3	1	12	78.0			3.707340	
4	3	12	73.9	1807	1997	4.896186	
5	2	12	59.6	1170		5.539476	1
6	2	12	63.4	1616		6.806772	
7	3	12	84.8	1759	1854	8.404741	
8	2	12	52.4	1480		9.309421	
9	3	12	74.9	1128	1726	10.026173	
10	2	12	64.7	1006		11.786694	

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	7	73.4	1915	1804	0.142868	
1	3	7	66.5	1552	1146	1.249343	
2	1	7	87.6			1.530523	
3	2	7	69.6	1988		2.457304	
4	1	7	63.2			2.957353	
5	2	7	63.7	1382		3.219953	
6	2	7	59.8	1657		4.095634	
7	3	7	95.0	1973	1514	4.682093	
8	3	7	51.0	1123	1211	5.364284	
9	1	7	67.2			5.744551	1
10	1	7	96.9			6.715015	
11	2	7	81.6	1229		7.315479	
12	1	7	67.0			8.199115	
13	2	7	74.5	1471		8.708018	
14	3	7	70.4	1710	1729	9.178359	
15	2	7	60.5	1229		9.759929	
16	2	7	93.7	1653		10.555074	
17	2	7	99.6	1769		11.286007	
18	2	7	82.4	1650		11.648674	

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	91.0	1566		0.719406	
1	2	11	85.4	1836		0.857720	
2	1	11	73.1			1.768781	
3	2	11	93.2	1018		3.362755	
4	1	11	78.6			3.726588	
5	3	11	53.4	1358	1962	4.310829	
6	2	11	79.3	1797		5.359498	
7	3	11	67.6	1743	1510	6.400090	1
8	1	11	73.4			6.930191	
9	3	11	96.9	1146	1865	8.099286	
10	2	11	69.9	1465		8.750918	
11	1	11	90.7			9.855841	
12	3	11	64.6	1823	1910	11.006105	
13	1	11	94.4			11.275252	

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	12	98.1	1208		1.054522	
1	1	12	92.3			1.776251	
2	3	12	52.2	1939	1584	3.146961	
3	1	12	97.3			4.197130	
4	2	12	94.8	1673		6.110117	1
5	2	12	60.3	1216		6.738234	
6	3	12	66.3	1528	1854	8.030113	
7	1	12	52.5			10.583865	
8	3	12	55.6	1261	1435	11.852554	

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	8	88.3	1388	1847	0.671112	
1	3	8	92.0	1215	1023	1.036116	
2	2	8	91.8	1059		1.726494	
3	3	8	79.9	1543	1074	2.722723	
4	2	8	76.0	1497		3.869746	
5	1	8	85.4			4.587765	
6	2	8	100.0	1161		5.022343	
7	2	8	67.9	1902		5.815664	1
8	2	8	71.7	1876		7.186360	
9	1	8	88.5			7.825860	
10	2	8	83.0	1854		8.089591	
11	3	8	82.1	1617	1668	9.051765	
12	2	8	59.5	1097		10.224979	
13	3	8	93.3	1593	1509	10.828159	
14	2	8	59.7	1312		11.641847	

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	87.4			0.149033	
1	1	14	91.3			1.145138	
2	1	14	53.0			2.234460	
3	2	14	51.3	1523		3.016303	
4	2	14	94.8	1220		3.264874	
5	3	14	54.5	1837	1967	4.156345	
6	1	14	55.2			4.934709	
7	2	14	70.0	1004		6.190556	1
8	2	14	84.9	1751		7.187652	
9	2	14	82.6	1574		7.538336	
10	2	14	51.9	1397		8.454754	
11	3	14	91.1	1387	1450	9.536787	
12	3	14	81.6	1639	1359	10.218917	
13	2	14	52.4	1625		10.866024	
14	2	14	91.4	1558		11.468509	

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	20	68.4	1136	1341	0.021361	
1	3	20	85.5	1066	1831	1.263586	
2	2	20	77.6	1634		2.252966	
3	3	20	53.3	1915	1486	2.815808	
4	2	20	71.3	1223		3.575074	
5	2	20	71.1	1558		4.506009	
6	2	20	60.8	1026		5.544748	
7	2	20	86.3	1327		6.018473	1
8	2	20	76.5	1292		6.762517	
9	2	20	76.2	1121		7.892867	
10	1	20	75.3			8.255594	
11	3	20	62.1	1563	1681	9.485642	
12	2	20	83.7	1250		10.198266	
13	1	20	98.6			10.897437	
14	1	20	86.7			11.412485	

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	90.7	1416	1536	0.899933	
1	2	10	72.7	1977		1.292016	
2	2	10	93.0	1792		3.134386	
3	1	10	76.7			3.361053	
4	2	10	98.9	1531		4.536721	
5	2	10	61.9	1886		6.459933	1
6	1	10	86.3			7.363334	
7	2	10	67.9	1952		8.361742	
8	1	10	53.9			9.675899	
9	3	10	69.9	1405	1667	10.097677	
10	2	10	82.1	1659		11.323493	

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	9	83.3			0.246271	
1	2	9	82.7	1541		1.589650	
2	3	9	57.5	1254	1673	1.622156	
3	2	9	59.3	1081		2.950567	
4	3	9	85.5	1300	1036	3.755709	
5	3	9	71.1	1881	1637	4.554298	
6	2	9	70.4	1530		5.397437	
7	2	9	76.6	1331		5.837222	1
8	3	9	67.8	1316	1543	6.691027	
9	2	9	97.0	1368		7.320458	
10	2	9	59.8	1720		8.736726	
11	2	9	55.2	1404		8.875204	
12	2	9	64.3	1701		9.615153	
13	1	9	78.8			11.073058	
14	1	9	65.4			11.941647	

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	17	65.2			0.069397	1
1	2	17	55.6	1070		1.196173	
2	2	17	62.1	1020		1.834917	
3	1	17	58.9			2.073276	
4	3	17	78.8	1778	1018	2.866191	
5	3	17	54.3	1799	1888	3.375025	
6	1	17	71.6			4.315866	
7	2	17	81.4	1468		4.928845	
8	1	17	54.9			5.272711	
9	1	17	75.2			6.215488	
10	1	17	79.9			6.548056	
11	3	17	71.4	1710	1909	7.262094	
12	2	17	66.0	1682		7.941419	
13	2	17	66.7	1592		8.392304	
14	3	17	91.4	1003	1393	9.372772	
15	1	17	89.3			9.614829	
16	2	17	85.1	1675		10.303942	
17	2	17	92.7	1213		11.284901	
18	3	17	64.1	1257	1707	11.535340	

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	18	84.1	1829		0.559060	1
1	3	18	90.3	1863	1375	1.716020	
2	2	18	68.1	1925		3.427916	
3	1	18	90.1			4.247555	
4	1	18	65.7			5.362368	
5	1	18	93.1			7.771986	
6	2	18	71.4	1190		8.699854	
7	3	18	78.1	1068	1274	9.523885	
8	1	18	85.5			10.828153	

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	15	79.1			0.338513	
1	3	15	72.2	1109	1358	1.279200	
2	2	15	94.7	1258		1.558560	
3	2	15	98.5	1524		2.715924	
4	2	15	90.5	1788		3.125179	
5	3	15	97.0	1296	1564	3.865729	
6	1	15	89.4			4.381618	
7	2	15	88.7	1506		5.284730	
8	1	15	85.3			5.743721	1
9	2	15	98.3	1776		6.642154	
10	2	15	74.6	1476		7.287015	
11	2	15	87.6	1532		8.161941	
12	1	15	97.3			8.816639	
13	1	15	52.3			9.219327	
14	2	15	91.5	1955		10.342397	
15	2	15	65.9	1496		10.984517	
16	2	15	64.6	1500		11.898047	

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	90.7	1700		0.165499	
1	3	19	96.6	1384	1686	1.443556	
2	2	19	57.7	1266		2.481688	
3	2	19	99.5	1994		2.878488	
4	1	19	70.7			4.508714	
5	1	19	51.9			5.186092	
6	2	19	68.6	1170		5.780380	1
7	2	19	69.7	1245		7.371396	
8	3	19	72.6	1079	1084	8.291521	
9	2	19	77.1	1482		8.501546	
10	3	19	99.9	1297	1922	10.082680	
11	3	19	82.5	1627	1218	10.337545	
12	1	19	64.8			11.833313	

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	7	67.9			0.437671	
1	2	7	87.3	1280		1.211808	
2	2	7	100.0	1808		2.602143	
3	2	7	58.2	1871		3.559538	
4	2	7	66.1	1434		3.869111	
5	3	7	50.1	1632	1625	5.445853	
6	3	7	97.3	1094	1720	5.945854	1
7	3	7	84.6	1874	1171	6.547093	
8	1	7	93.9			7.971677	
9	2	7	51.6	1459		8.643453	
10	1	7	65.2			9.590407	
11	3	7	76.9	1337	1325	10.702117	
12	2	7	60.0	1694		11.449905	

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	13	63.5	1925		0.999015	
1	2	13	83.3	1452		1.226067	
2	1	13	85.2			2.287111	
3	3	13	63.2	1087	1471	3.590168	
4	3	13	88.8	1029	1065	5.447211	
5	2	13	67.7	1334		6.124360	1
6	2	13	87.3	1113		7.183425	
7	2	13	61.1	1231		7.742534	
8	3	13	68.0	1346	1257	9.003451	
9	2	13	53.4	1901		10.871775	
10	3	13	58.8	1141	1231	11.241269	

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	3	5	53.2	1945	1793	0.118545	1
1	2	5	93.0	1759		0.841743	
2	3	5	88.2	1983	1505	1.989702	
3	1	5	78.0			2.544719	
4	3	5	62.1	1038	1174	3.068484	
5	3	5	87.1	1493	1637	3.767592	
6	3	5	56.4	1746	1536	5.239276	
7	2	5	69.7	1123		5.818906	
8	3	5	65.9	1532	1689	6.395403	
9	3	5	80.8	1547	1855	6.766381	
10	2	5	80.8	1768		8.217403	
11	3	5	57.6	1440	1760	8.958330	
12	2	5	50.8	1548		9.160535	
13	1	5	51.1			9.778279	
14	2	5	81.5	1064		10.820654	
15	1	5	95.5			11.601740	

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	79.0	1256		0.046770	0
1	2	16	71.0	1614		1.852267	
2	2	16	98.0	1431		2.037184	
3	1	16	80.7			3.076135	
4	2	16	83.5	1689		4.888731	
5	2	16	95.2	1406		5.035134	
6	1	16	98.1			6.469827	
7	2	16	96.8	1511		7.491350	
8	3	16	81.8	1651	1070	8.947211	
9	2	16	62.4	1312		9.991616	
10	1	16	87.4			10.122414	
11	2	16	88.4	1121		11.462745	

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	17	61.9	1346		0.196376	
1	3	17	85.9	1247	1752	1.984171	
2	2	17	81.7	1503		3.224304	
3	2	17	97.8	1118		4.200440	
4	1	17	66.4			5.358360	1
5	2	17	65.9	1001		6.971086	
6	2	17	97.0	1971		8.809639	
7	3	17	63.6	1716	1227	10.458569	
8	3	17	83.2	1762	1948	11.626964	

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	99.1			0.476652	
1	2	18	77.3	1162		1.121114	
2	3	18	98.7	1690	1694	2.756020	
3	3	18	74.3	1837	1454	3.671377	
4	1	18	55.7			4.602336	
5	1	18	90.7			5.475569	
6	3	18	72.2	1104	1380	6.227905	1
7	3	18	95.8	1171	1955	6.760167	
8	3	18	89.2	1868	1630	8.089427	
9	3	18	88.3	1365	1309	8.864681	
10	2	18	76.6	1744		9.262987	
11	2	18	64.8	1853		10.901268	
12	3	18	54.4	1319	1313	11.535902	

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	78.6	1615		0.009867	
1	2	16	83.2	1646		1.132724	
2	2	16	53.9	1598		1.325998	
3	3	16	95.6	1123	1242	2.189584	
4	2	16	92.2	1425		3.004862	
5	3	16	64.1	1289	1236	3.491867	
6	1	16	65.4			3.864473	
7	1	16	55.8			4.626699	
8	1	16	65.1			5.275583	
9	3	16	94.7	1100	1040	5.933745	1
10	3	16	94.8	1581	1767	6.861313	
11	1	16	97.2			7.415373	
12	1	16	80.5			8.037331	
13	3	16	60.6	1371	1484	8.442730	
14	2	16	80.8	1177		9.234428	
15	2	16	75.8	1394		9.883115	
16	2	16	76.2	1927		10.629344	
17	2	16	67.3	1067		11.046378	
18	2	16	56.2	1259		11.602535	

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	15	78.1	1538		0.152346	
1	2	15	59.8	1505		1.031263	
2	1	15	94.2			1.796891	
3	3	15	87.9	1264	1114	3.087429	
4	1	15	84.2			3.643776	
5	2	15	75.4	1220		4.721416	
6	2	15	72.8	1152		5.813237	
7	2	15	89.1	1331		6.712568	0
8	2	15	86.3	1695		7.662006	
9	2	15	64.0	1673		8.052120	
10	3	15	83.8	1462	1768	8.686547	
11	1	15	68.6			9.888380	
12	2	15	61.9	1894		10.795130	
13	3	15	69.4	1250	1920	11.958784	

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	19	54.2			0.683920	1
1	2	19	98.1	1124		0.756736	
2	3	19	83.4	1141	1582	1.550950	
3	3	19	64.0	1821	1595	2.259018	
4	3	19	60.5	1870	1850	3.367836	
5	2	19	91.7	1072		4.248453	
6	2	19	54.0	1224		5.017691	
7	1	19	60.8			5.974471	
8	1	19	92.8			6.204731	
9	3	19	84.9	1326	1277	7.246825	
10	2	19	98.1	1224		8.044583	
11	3	19	64.5	1597	1734	8.477845	
12	1	19	75.1			9.080907	
13	2	19	63.9	1770		9.851599	
14	3	19	71.5	1335	1497	10.638504	
15	1	19	81.9			11.887942	

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	9	60.9	1558		0.682490	1
1	2	9	85.1	1271		0.995825	
2	2	9	94.5	1369		2.728412	
3	1	9	67.7			3.584601	
4	2	9	76.1	1620		3.737643	
5	3	9	84.1	1252	1777	5.057054	
6	3	9	88.7	1962	1395	6.132260	
7	3	9	62.4	1331	1052	6.598908	
8	2	9	87.5	1448		7.979088	
9	2	9	99.4	1339		8.480659	
10	2	9	94.3	1854		9.580421	
11	3	9	95.2	1335	1896	10.476651	
12	1	9	92.2			11.972870	

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	56.0	1626	1442	0.543732	
1	2	18	64.1	1350		1.555868	
2	1	18	50.8			2.658764	
3	3	18	87.9	1774	1104	3.007996	
4	2	18	61.4	1698		4.427286	
5	2	18	99.4	1651		5.247964	
6	2	18	51.2	1845		6.147810	1
7	2	18	98.5	1486		6.643815	
8	3	18	88.0	1004	1765	8.235753	
9	2	18	93.5	1174		8.643084	
10	3	18	55.2	1961	1156	9.733965	
11	1	18	56.5			10.851445	
12	2	18	83.9	1569		11.843904	

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	15	59.7	1802	1822	0.448283	
1	1	15	76.5			1.388864	
2	1	15	58.3			1.728129	
3	3	15	52.9	1997	1081	2.422989	
4	3	15	58.2	1033	1506	3.130060	
5	3	15	59.7	1274	1332	4.139674	
6	1	15	79.1			4.997535	
7	1	15	96.6			5.352719	
8	2	15	50.0	1112		6.375145	1
9	1	15	83.4			7.022853	
10	3	15	62.5	1055	1327	7.570422	
11	3	15	95.9	1107	1078	8.633530	
12	2	15	62.4	1976		9.225102	
13	2	15	52.9	1259		9.943966	
14	2	15	81.1	1328		10.722164	
15	1	15	62.3			11.375333	

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	5510.0	9	1.0	333	1	5375.0, 5654.0, 5649.0, 5443.0, 5354.0, 5691.0, 5304.0, 5314.0, 5286.0, 5420.0, 5424.0, 5586.0, 5647.0, 5705.0, 5570.0, 5693.0, 5302.0, 5588.0, 5394.0, 5567.0, 5607.0, 5477.0, 5390.0, 5715.0, 5657.0, 5491.0, 5313.0, 5602.0, 5554.0, 5257.0, 5347.0, 5587.0, 5685.0, 5358.0, 5383.0, 5403.0, 5350.0, 5517.0, 5622.0, 5373.0, 5407.0, 5322.0, 5565.0, 5294.0, 5640.0, 5563.0, 5613.0, 5659.0, 5580.0, 5494.0, 5316.0, 5487.0, 5448.0, 5538.0, 5525.0, 5331.0, 5596.0, 5528.0, 5463.0, 5610.0, 5518.0, 5393.0, 5365.0, 5503.0, 5701.0, 5271.0, 5330.0, 5558.0, 5395.0, 5664.0, 5569.0, 5549.0, 5272.0, 5492.0, 5321.0, 5710.0, 5694.0, 5406.0, 5464.0, 5256.0, 5618.0, 5496.0, 5695.0, 5629.0, 5508.0, 5412.0, 5399.0, 5592.0, 5536.0, 5663.0, 5382.0, 5349.0, 5506.0, 5425.0, 5510.0, 5402.0, 5712.0, 5346.0, 5501.0, 5426.0 (number of hits: 11)
2	5510.0	9	1.0	333	1	5709.0, 5549.0, 5345.0, 5356.0, 5487.0, 5298.0, 5566.0, 5537.0, 5586.0, 5389.0, 5450.0, 5592.0, 5502.0, 5425.0, 5479.0, 5647.0, 5323.0, 5390.0, 5271.0, 5581.0, 5521.0, 5440.0, 5612.0, 5527.0, 5334.0, 5509.0, 5711.0, 5530.0, 5451.0, 5569.0, 5340.0, 5358.0, 5648.0, 5375.0, 5587.0, 5490.0, 5706.0, 5721.0, 5445.0, 5286.0, 5252.0, 5477.0, 5436.0, 5552.0, 5535.0, 5503.0, 5715.0, 5433.0, 5575.0, 5420.0, 5506.0, 5704.0, 5455.0, 5630.0, 5608.0, 5679.0, 5496.0, 5427.0, 5429.0, 5351.0, 5316.0, 5259.0, 5600.0, 5378.0, 5293.0, 5482.0, 5710.0, 5532.0, 5554.0, 5485.0, 5460.0, 5533.0, 5317.0, 5641.0, 5516.0, 5288.0, 5692.0, 5406.0, 5683.0, 5671.0, 5294.0, 5310.0, 5577.0, 5415.0, 5611.0, 5352.0, 5379.0, 5257.0, 5622.0, 5571.0, 5355.0, 5413.0, 5462.0, 5705.0, 5452.0, 5595.0, 5655.0, 5385.0, 5558.0, 5290.0 (number of hits: 8)
3	5510.0	9	1.0	333	1	5617.0, 5406.0, 5675.0, 5350.0, 5564.0, 5671.0, 5345.0, 5484.0, 5414.0, 5442.0, 5648.0, 5439.0, 5567.0, 5552.0, 5495.0, 5628.0, 5575.0, 5456.0, 5635.0, 5264.0, 5623.0, 5654.0, 5504.0, 5305.0, 5479.0, 5300.0, 5694.0, 5307.0, 5444.0, 5587.0, 5351.0, 5578.0, 5318.0, 5304.0, 5284.0, 5518.0, 5288.0, 5474.0, 5664.0, 5604.0, 5478.0, 5543.0, 5404.0, 5651.0, 5472.0, 5491.0, 5561.0, 5538.0, 5430.0, 5454.0, 5541.0, 5492.0, 5374.0, 5521.0, 5723.0, 5315.0, 5308.0, 5340.0, 5287.0, 5524.0, 5331.0, 5692.0, 5396.0, 5347.0, 5643.0, 5607.0, 5353.0, 5610.0, 5534.0, 5710.0,

						5359.0, 5393.0, 5292.0, 5629.0, 5309.0, 5501.0, 5645.0, 5632.0, 5294.0, 5388.0, 5532.0, 5644.0, 5410.0, 5357.0, 5550.0, 5640.0, 5656.0, 5375.0, 5314.0, 5646.0, 5642.0, 5597.0, 5462.0, 5259.0, 5659.0, 5382.0, 5650.0, 5708.0, 5510.0, 5577.0 (number of hits: 8)
4	5510.0	9	1.0	333	1	5452.0, 5269.0, 5410.0, 5450.0, 5650.0, 5387.0, 5568.0, 5381.0, 5417.0, 5399.0, 5267.0, 5354.0, 5343.0, 5421.0, 5540.0, 5370.0, 5576.0, 5564.0, 5501.0, 5573.0, 5281.0, 5537.0, 5553.0, 5558.0, 5438.0, 5665.0, 5441.0, 5675.0, 5272.0, 5722.0, 5608.0, 5541.0, 5692.0, 5336.0, 5637.0, 5283.0, 5534.0, 5544.0, 5480.0, 5621.0, 5488.0, 5300.0, 5340.0, 5524.0, 5595.0, 5436.0, 5482.0, 5616.0, 5565.0, 5465.0, 5486.0, 5320.0, 5335.0, 5380.0, 5655.0, 5645.0, 5350.0, 5539.0, 5492.0, 5411.0, 5404.0, 5517.0, 5390.0, 5531.0, 5424.0, 5369.0, 5671.0, 5526.0, 5401.0, 5643.0, 5538.0, 5337.0, 5552.0, 5668.0, 5463.0, 5626.0, 5478.0, 5700.0, 5391.0, 5701.0, 5273.0, 5634.0, 5494.0, 5279.0, 5707.0, 5559.0, 5430.0, 5264.0, 5719.0, 5632.0, 5435.0, 5357.0, 5407.0, 5378.0, 5333.0, 5400.0, 5705.0, 5446.0, 5386.0, 5328.0 (number of hits: 6)
5	5510.0	9	1.0	333	1	5689.0, 5273.0, 5584.0, 5440.0, 5698.0, 5577.0, 5672.0, 5258.0, 5647.0, 5365.0, 5424.0, 5453.0, 5536.0, 5414.0, 5685.0, 5373.0, 5521.0, 5430.0, 5556.0, 5353.0, 5626.0, 5644.0, 5346.0, 5420.0, 5387.0, 5486.0, 5633.0, 5594.0, 5350.0, 5360.0, 5275.0, 5569.0, 5664.0, 5399.0, 5645.0, 5501.0, 5533.0, 5615.0, 5334.0, 5694.0, 5564.0, 5359.0, 5372.0, 5449.0, 5279.0, 5296.0, 5442.0, 5291.0, 5650.0, 5471.0, 5299.0, 5362.0, 5410.0, 5530.0, 5580.0, 5543.0, 5272.0, 5307.0, 5598.0, 5479.0, 5635.0, 5634.0, 5351.0, 5480.0, 5509.0, 5277.0, 5409.0, 5603.0, 5402.0, 5670.0, 5396.0, 5681.0, 5331.0, 5310.0, 5262.0, 5619.0, 5487.0, 5447.0, 5355.0, 5450.0, 5587.0, 5659.0, 5305.0, 5364.0, 5641.0, 5468.0, 5267.0, 5378.0, 5476.0, 5270.0, 5519.0, 5411.0, 5488.0, 5451.0, 5600.0, 5675.0, 5687.0, 5563.0, 5415.0, 5271.0 (number of hits: 4)
6	5510.0	9	1.0	333	1	5315.0, 5286.0, 5445.0, 5557.0, 5271.0, 5401.0, 5311.0, 5471.0, 5680.0, 5330.0, 5658.0, 5267.0, 5472.0, 5663.0, 5561.0, 5612.0, 5479.0, 5253.0, 5254.0, 5258.0, 5502.0, 5702.0, 5447.0, 5456.0, 5538.0, 5700.0, 5443.0, 5371.0, 5435.0, 5664.0, 5524.0, 5515.0, 5706.0, 5287.0, 5506.0, 5424.0, 5367.0, 5362.0, 5428.0, 5719.0, 5418.0, 5251.0, 5492.0, 5647.0, 5685.0, 5257.0, 5477.0, 5280.0, 5331.0, 5687.0, 5482.0, 5613.0, 5684.0, 5566.0, 5572.0, 5436.0, 5300.0, 5328.0, 5358.0, 5442.0, 5313.0, 5306.0, 5619.0, 5633.0, 5533.0,

						5691.0, 5420.0, 5568.0, 5319.0, 5535.0, 5378.0, 5335.0, 5292.0, 5490.0, 5369.0, 5657.0, 5688.0, 5334.0, 5350.0, 5289.0, 5402.0, 5659.0, 5583.0, 5654.0, 5411.0, 5629.0, 5357.0, 5694.0, 5386.0, 5610.0, 5642.0, 5444.0, 5528.0, 5455.0, 5591.0, 5573.0, 5494.0, 5632.0, 5703.0, 5525.0 (number of hits: 7)
7	5510.0	9	1.0	333	1	5300.0, 5611.0, 5508.0, 5314.0, 5309.0, 5663.0, 5464.0, 5373.0, 5478.0, 5549.0, 5388.0, 5570.0, 5363.0, 5320.0, 5702.0, 5415.0, 5330.0, 5695.0, 5370.0, 5664.0, 5466.0, 5421.0, 5255.0, 5542.0, 5635.0, 5709.0, 5586.0, 5697.0, 5448.0, 5577.0, 5460.0, 5671.0, 5684.0, 5261.0, 5534.0, 5423.0, 5474.0, 5313.0, 5701.0, 5285.0, 5323.0, 5477.0, 5354.0, 5407.0, 5654.0, 5686.0, 5561.0, 5361.0, 5350.0, 5683.0, 5703.0, 5442.0, 5634.0, 5710.0, 5704.0, 5418.0, 5252.0, 5503.0, 5512.0, 5343.0, 5444.0, 5677.0, 5319.0, 5381.0, 5539.0, 5412.0, 5486.0, 5331.0, 5572.0, 5267.0, 5659.0, 5558.0, 5638.0, 5377.0, 5557.0, 5706.0, 5525.0, 5530.0, 5457.0, 5578.0, 5322.0, 5526.0, 5538.0, 5436.0, 5680.0, 5437.0, 5450.0, 5513.0, 5428.0, 5345.0, 5587.0, 5485.0, 5514.0, 5627.0, 5641.0, 5494.0, 5292.0, 5357.0, 5359.0, 5276.0 (number of hits: 8)
8	5510.0	9	1.0	333	1	5317.0, 5302.0, 5372.0, 5645.0, 5330.0, 5547.0, 5563.0, 5423.0, 5558.0, 5460.0, 5524.0, 5386.0, 5281.0, 5684.0, 5657.0, 5661.0, 5588.0, 5681.0, 5395.0, 5534.0, 5355.0, 5633.0, 5587.0, 5561.0, 5438.0, 5348.0, 5653.0, 5596.0, 5541.0, 5488.0, 5376.0, 5268.0, 5497.0, 5494.0, 5552.0, 5299.0, 5347.0, 5434.0, 5550.0, 5451.0, 5428.0, 5363.0, 5368.0, 5431.0, 5662.0, 5383.0, 5325.0, 5335.0, 5676.0, 5539.0, 5654.0, 5664.0, 5632.0, 5313.0, 5620.0, 5272.0, 5699.0, 5381.0, 5569.0, 5445.0, 5604.0, 5396.0, 5519.0, 5629.0, 5256.0, 5277.0, 5643.0, 5288.0, 5252.0, 5295.0, 5265.0, 5471.0, 5532.0, 5658.0, 5520.0, 5579.0, 5602.0, 5619.0, 5374.0, 5530.0, 5294.0, 5334.0, 5672.0, 5482.0, 5510.0, 5584.0, 5370.0, 5447.0, 5443.0, 5575.0, 5280.0, 5548.0, 5673.0, 5436.0, 5590.0, 5594.0, 5608.0, 5600.0, 5474.0, 5591.0 (number of hits: 6)
9	5510.0	9	1.0	333	1	5275.0, 5253.0, 5580.0, 5462.0, 5338.0, 5610.0, 5496.0, 5411.0, 5373.0, 5364.0, 5281.0, 5423.0, 5626.0, 5445.0, 5451.0, 5384.0, 5721.0, 5420.0, 5449.0, 5509.0, 5262.0, 5605.0, 5581.0, 5304.0, 5639.0, 5333.0, 5625.0, 5382.0, 5600.0, 5381.0, 5428.0, 5664.0, 5653.0, 5409.0, 5402.0, 5432.0, 5629.0, 5712.0, 5311.0, 5263.0, 5540.0, 5361.0, 5376.0, 5429.0, 5472.0, 5467.0, 5640.0, 5553.0, 5488.0, 5606.0, 5471.0, 5334.0, 5293.0, 5318.0, 5497.0, 5658.0, 5583.0, 5425.0, 5258.0, 5644.0,

						5339.0, 5594.0, 5567.0, 5575.0, 5679.0, 5706.0, 5342.0, 5326.0, 5577.0, 5510.0, 5621.0, 5560.0, 5369.0, 5349.0, 5654.0, 5418.0, 5336.0, 5447.0, 5424.0, 5690.0, 5358.0, 5696.0, 5416.0, 5649.0, 5284.0, 5522.0, 5365.0, 5265.0, 5662.0, 5341.0, 5454.0, 5327.0, 5701.0, 5470.0, 5638.0, 5579.0, 5524.0, 5332.0, 5588.0, 5532.0 (number of hits: 6)
10	5510.0	9	1.0	333	1	5667.0, 5375.0, 5365.0, 5384.0, 5571.0, 5460.0, 5664.0, 5420.0, 5588.0, 5332.0, 5689.0, 5619.0, 5360.0, 5367.0, 5599.0, 5323.0, 5253.0, 5431.0, 5405.0, 5637.0, 5321.0, 5276.0, 5309.0, 5666.0, 5677.0, 5532.0, 5534.0, 5691.0, 5478.0, 5252.0, 5407.0, 5524.0, 5517.0, 5480.0, 5492.0, 5497.0, 5483.0, 5577.0, 5721.0, 5623.0, 5254.0, 5388.0, 5421.0, 5373.0, 5681.0, 5372.0, 5592.0, 5546.0, 5656.0, 5639.0, 5398.0, 5533.0, 5336.0, 5445.0, 5313.0, 5427.0, 5256.0, 5482.0, 5255.0, 5496.0, 5419.0, 5645.0, 5262.0, 5668.0, 5362.0, 5294.0, 5401.0, 5531.0, 5417.0, 5707.0, 5324.0, 5565.0, 5350.0, 5444.0, 5434.0, 5393.0, 5450.0, 5357.0, 5414.0, 5695.0, 5525.0, 5300.0, 5579.0, 5555.0, 5260.0, 5416.0, 5488.0, 5302.0, 5400.0, 5425.0, 5451.0, 5560.0, 5395.0, 5485.0, 5274.0, 5603.0, 5448.0, 5464.0, 5715.0, 5572.0 (number of hits: 6)
11	5510.0	9	1.0	333	1	5605.0, 5388.0, 5590.0, 5290.0, 5554.0, 5384.0, 5612.0, 5273.0, 5368.0, 5719.0, 5666.0, 5523.0, 5301.0, 5426.0, 5274.0, 5614.0, 5295.0, 5697.0, 5467.0, 5411.0, 5264.0, 5418.0, 5638.0, 5487.0, 5500.0, 5630.0, 5266.0, 5300.0, 5548.0, 5268.0, 5723.0, 5615.0, 5577.0, 5550.0, 5448.0, 5599.0, 5686.0, 5643.0, 5436.0, 5428.0, 5685.0, 5706.0, 5562.0, 5352.0, 5588.0, 5396.0, 5425.0, 5322.0, 5440.0, 5479.0, 5475.0, 5283.0, 5431.0, 5294.0, 5512.0, 5416.0, 5513.0, 5714.0, 5646.0, 5674.0, 5441.0, 5680.0, 5571.0, 5401.0, 5364.0, 5490.0, 5675.0, 5606.0, 5508.0, 5257.0, 5511.0, 5618.0, 5470.0, 5688.0, 5485.0, 5542.0, 5309.0, 5430.0, 5433.0, 5499.0, 5421.0, 5458.0, 5271.0, 5711.0, 5398.0, 5506.0, 5335.0, 5359.0, 5261.0, 5591.0, 5278.0, 5645.0, 5576.0, 5449.0, 5486.0, 5510.0, 5259.0, 5468.0, 5437.0, 5704.0 (number of hits: 9)
12	5510.0	9	1.0	333	1	5272.0, 5591.0, 5346.0, 5695.0, 5575.0, 5434.0, 5635.0, 5482.0, 5650.0, 5582.0, 5631.0, 5665.0, 5340.0, 5604.0, 5488.0, 5308.0, 5568.0, 5481.0, 5424.0, 5585.0, 5406.0, 5466.0, 5403.0, 5645.0, 5455.0, 5507.0, 5677.0, 5606.0, 5266.0, 5510.0, 5417.0, 5527.0, 5661.0, 5492.0, 5339.0, 5518.0, 5528.0, 5420.0, 5344.0, 5580.0, 5709.0, 5291.0, 5323.0, 5615.0, 5425.0, 5394.0, 5307.0, 5693.0, 5380.0, 5258.0, 5418.0, 5313.0, 5321.0, 5662.0, 5595.0,

						5343.0, 5666.0, 5566.0, 5625.0, 5586.0, 5375.0, 5688.0, 5301.0, 5576.0, 5458.0, 5251.0, 5597.0, 5464.0, 5409.0, 5587.0, 5462.0, 5294.0, 5441.0, 5717.0, 5463.0, 5288.0, 5345.0, 5664.0, 5298.0, 5603.0, 5552.0, 5460.0, 5476.0, 5720.0, 5703.0, 5404.0, 5263.0, 5451.0, 5553.0, 5697.0, 5428.0, 5636.0, 5357.0, 5473.0, 5523.0, 5289.0, 5469.0, 5383.0, 5348.0, 5433.0 (number of hits: 6)
13	5510.0	9	1.0	333	1	5427.0, 5557.0, 5715.0, 5443.0, 5411.0, 5372.0, 5654.0, 5325.0, 5488.0, 5462.0, 5564.0, 5603.0, 5466.0, 5647.0, 5358.0, 5708.0, 5622.0, 5660.0, 5626.0, 5509.0, 5444.0, 5294.0, 5468.0, 5390.0, 5397.0, 5452.0, 5641.0, 5436.0, 5433.0, 5547.0, 5592.0, 5575.0, 5481.0, 5329.0, 5512.0, 5560.0, 5610.0, 5689.0, 5506.0, 5572.0, 5591.0, 5685.0, 5321.0, 5393.0, 5377.0, 5627.0, 5537.0, 5304.0, 5636.0, 5463.0, 5678.0, 5649.0, 5687.0, 5308.0, 5296.0, 5476.0, 5713.0, 5350.0, 5587.0, 5683.0, 5545.0, 5551.0, 5322.0, 5252.0, 5295.0, 5677.0, 5422.0, 5664.0, 5277.0, 5418.0, 5624.0, 5435.0, 5605.0, 5334.0, 5356.0, 5542.0, 5396.0, 5502.0, 5608.0, 5440.0, 5428.0, 5259.0, 5675.0, 5510.0, 5548.0, 5491.0, 5595.0, 5578.0, 5712.0, 5409.0, 5640.0, 5541.0, 5351.0, 5297.0, 5375.0, 5596.0, 5408.0, 5521.0, 5266.0, 5265.0 (number of hits: 6)
14	5510.0	9	1.0	333	1	5313.0, 5346.0, 5573.0, 5358.0, 5468.0, 5613.0, 5337.0, 5473.0, 5481.0, 5694.0, 5543.0, 5724.0, 5401.0, 5670.0, 5622.0, 5402.0, 5391.0, 5710.0, 5366.0, 5513.0, 5449.0, 5693.0, 5268.0, 5559.0, 5687.0, 5672.0, 5638.0, 5595.0, 5553.0, 5711.0, 5369.0, 5410.0, 5631.0, 5662.0, 5684.0, 5419.0, 5704.0, 5267.0, 5665.0, 5351.0, 5593.0, 5647.0, 5678.0, 5564.0, 5689.0, 5621.0, 5258.0, 5349.0, 5343.0, 5508.0, 5561.0, 5635.0, 5300.0, 5272.0, 5348.0, 5692.0, 5436.0, 5411.0, 5589.0, 5465.0, 5321.0, 5342.0, 5472.0, 5283.0, 5431.0, 5590.0, 5334.0, 5394.0, 5467.0, 5389.0, 5424.0, 5602.0, 5339.0, 5340.0, 5661.0, 5652.0, 5580.0, 5496.0, 5390.0, 5531.0, 5676.0, 5485.0, 5423.0, 5301.0, 5718.0, 5667.0, 5375.0, 5265.0, 5522.0, 5445.0, 5696.0, 5320.0, 5399.0, 5545.0, 5633.0, 5596.0, 5642.0, 5376.0, 5398.0, 5518.0 (number of hits: 5)
15	5510.0	9	1.0	333	1	5487.0, 5271.0, 5615.0, 5456.0, 5419.0, 5567.0, 5512.0, 5650.0, 5340.0, 5551.0, 5574.0, 5638.0, 5388.0, 5366.0, 5510.0, 5364.0, 5452.0, 5449.0, 5372.0, 5298.0, 5649.0, 5386.0, 5538.0, 5252.0, 5709.0, 5319.0, 5359.0, 5327.0, 5439.0, 5703.0, 5622.0, 5718.0, 5686.0, 5529.0, 5648.0, 5651.0, 5485.0, 5430.0, 5614.0, 5417.0, 5610.0, 5426.0, 5637.0, 5424.0, 5258.0, 5448.0, 5674.0, 5338.0, 5707.0, 5609.0,

						5263.0, 5458.0, 5585.0, 5312.0, 5657.0, 5272.0, 5373.0, 5484.0, 5656.0, 5556.0, 5441.0, 5612.0, 5444.0, 5278.0, 5334.0, 5460.0, 5481.0, 5613.0, 5463.0, 5311.0, 5446.0, 5535.0, 5618.0, 5639.0, 5520.0, 5636.0, 5506.0, 5341.0, 5570.0, 5345.0, 5273.0, 5320.0, 5667.0, 5542.0, 5505.0, 5274.0, 5658.0, 5719.0, 5464.0, 5575.0, 5299.0, 5680.0, 5669.0, 5694.0, 5468.0, 5500.0, 5502.0, 5611.0, 5289.0, 5626.0 (number of hits: 7)
16	5510.0	9	1.0	333	1	5710.0, 5663.0, 5711.0, 5416.0, 5621.0, 5466.0, 5455.0, 5500.0, 5307.0, 5426.0, 5406.0, 5352.0, 5583.0, 5652.0, 5532.0, 5478.0, 5281.0, 5470.0, 5679.0, 5380.0, 5595.0, 5344.0, 5351.0, 5261.0, 5326.0, 5502.0, 5485.0, 5602.0, 5629.0, 5682.0, 5394.0, 5512.0, 5712.0, 5574.0, 5469.0, 5693.0, 5434.0, 5717.0, 5376.0, 5564.0, 5431.0, 5510.0, 5553.0, 5452.0, 5408.0, 5327.0, 5336.0, 5306.0, 5505.0, 5628.0, 5414.0, 5418.0, 5360.0, 5668.0, 5639.0, 5323.0, 5592.0, 5442.0, 5530.0, 5515.0, 5603.0, 5341.0, 5262.0, 5439.0, 5349.0, 5686.0, 5561.0, 5631.0, 5653.0, 5325.0, 5257.0, 5356.0, 5580.0, 5359.0, 5481.0, 5594.0, 5399.0, 5303.0, 5613.0, 5571.0, 5279.0, 5350.0, 5319.0, 5568.0, 5428.0, 5635.0, 5427.0, 5310.0, 5391.0, 5588.0, 5290.0, 5713.0, 5681.0, 5433.0, 5254.0, 5546.0, 5448.0, 5490.0, 5280.0, 5368.0 (number of hits: 6)
17	5510.0	9	1.0	333	1	5584.0, 5687.0, 5561.0, 5312.0, 5620.0, 5516.0, 5502.0, 5369.0, 5326.0, 5476.0, 5492.0, 5591.0, 5538.0, 5482.0, 5468.0, 5671.0, 5583.0, 5269.0, 5712.0, 5629.0, 5618.0, 5588.0, 5537.0, 5412.0, 5510.0, 5418.0, 5597.0, 5499.0, 5689.0, 5407.0, 5431.0, 5391.0, 5365.0, 5270.0, 5478.0, 5496.0, 5254.0, 5551.0, 5384.0, 5569.0, 5575.0, 5702.0, 5706.0, 5595.0, 5471.0, 5652.0, 5292.0, 5645.0, 5554.0, 5362.0, 5688.0, 5701.0, 5486.0, 5299.0, 5469.0, 5599.0, 5615.0, 5414.0, 5543.0, 5475.0, 5611.0, 5286.0, 5450.0, 5479.0, 5274.0, 5557.0, 5363.0, 5417.0, 5385.0, 5459.0, 5508.0, 5694.0, 5376.0, 5556.0, 5330.0, 5644.0, 5485.0, 5503.0, 5284.0, 5540.0, 5631.0, 5446.0, 5340.0, 5565.0, 5647.0, 5302.0, 5315.0, 5670.0, 5466.0, 5612.0, 5291.0, 5370.0, 5577.0, 5525.0, 5264.0, 5655.0, 5703.0, 5521.0, 5372.0, 5666.0 (number of hits: 10)
18	5510.0	9	1.0	333	1	5676.0, 5384.0, 5432.0, 5666.0, 5479.0, 5440.0, 5486.0, 5337.0, 5414.0, 5699.0, 5382.0, 5528.0, 5550.0, 5433.0, 5284.0, 5377.0, 5303.0, 5292.0, 5536.0, 5373.0, 5426.0, 5702.0, 5412.0, 5326.0, 5365.0, 5682.0, 5709.0, 5555.0, 5467.0, 5649.0, 5416.0, 5461.0, 5274.0, 5380.0, 5624.0, 5334.0, 5720.0, 5631.0, 5515.0, 5489.0, 5710.0, 5309.0, 5393.0, 5724.0, 5496.0,

						5718.0, 5254.0, 5691.0, 5375.0, 5508.0, 5504.0, 5614.0, 5639.0, 5641.0, 5419.0, 5453.0, 5436.0, 5653.0, 5430.0, 5635.0, 5539.0, 5618.0, 5408.0, 5472.0, 5422.0, 5455.0, 5265.0, 5421.0, 5559.0, 5689.0, 5570.0, 5349.0, 5514.0, 5275.0, 5616.0, 5395.0, 5698.0, 5558.0, 5642.0, 5253.0, 5431.0, 5389.0, 5509.0, 5630.0, 5450.0, 5670.0, 5281.0, 5379.0, 5634.0, 5424.0, 5636.0, 5547.0, 5369.0, 5314.0, 5439.0, 5647.0, 5451.0, 5533.0, 5663.0, 5535.0 (number of hits: 6)
19	5510.0	9	1.0	333	1	5254.0, 5359.0, 5322.0, 5522.0, 5552.0, 5577.0, 5404.0, 5302.0, 5335.0, 5344.0, 5506.0, 5353.0, 5710.0, 5297.0, 5430.0, 5602.0, 5588.0, 5364.0, 5671.0, 5358.0, 5687.0, 5640.0, 5625.0, 5559.0, 5702.0, 5472.0, 5619.0, 5649.0, 5695.0, 5432.0, 5320.0, 5454.0, 5637.0, 5446.0, 5700.0, 5436.0, 5553.0, 5591.0, 5300.0, 5451.0, 5673.0, 5699.0, 5573.0, 5415.0, 5473.0, 5526.0, 5326.0, 5707.0, 5290.0, 5453.0, 5705.0, 5449.0, 5375.0, 5575.0, 5520.0, 5283.0, 5682.0, 5624.0, 5373.0, 5652.0, 5630.0, 5356.0, 5623.0, 5258.0, 5628.0, 5275.0, 5425.0, 5724.0, 5467.0, 5594.0, 5622.0, 5613.0, 5352.0, 5337.0, 5583.0, 5582.0, 5325.0, 5269.0, 5251.0, 5340.0, 5379.0, 5354.0, 5596.0, 5276.0, 5313.0, 5450.0, 5256.0, 5542.0, 5299.0, 5514.0, 5614.0, 5709.0, 5312.0, 5510.0, 5321.0, 5544.0, 5357.0, 5645.0, 5484.0, 5429.0 (number of hits: 6)
20	5510.0	9	1.0	333	1	5582.0, 5382.0, 5587.0, 5523.0, 5399.0, 5672.0, 5412.0, 5497.0, 5686.0, 5389.0, 5559.0, 5608.0, 5508.0, 5482.0, 5578.0, 5484.0, 5522.0, 5434.0, 5719.0, 5641.0, 5359.0, 5663.0, 5315.0, 5278.0, 5421.0, 5343.0, 5598.0, 5580.0, 5524.0, 5285.0, 5280.0, 5675.0, 5444.0, 5405.0, 5662.0, 5441.0, 5509.0, 5329.0, 5458.0, 5350.0, 5372.0, 5555.0, 5622.0, 5332.0, 5594.0, 5414.0, 5682.0, 5650.0, 5625.0, 5494.0, 5448.0, 5466.0, 5527.0, 5402.0, 5299.0, 5712.0, 5647.0, 5361.0, 5486.0, 5690.0, 5708.0, 5301.0, 5711.0, 5507.0, 5312.0, 5384.0, 5255.0, 5602.0, 5720.0, 5298.0, 5423.0, 5519.0, 5592.0, 5289.0, 5548.0, 5261.0, 5381.0, 5336.0, 5395.0, 5496.0, 5295.0, 5344.0, 5532.0, 5378.0, 5377.0, 5333.0, 5284.0, 5326.0, 5438.0, 5267.0, 5549.0, 5699.0, 5562.0, 5303.0, 5566.0, 5429.0, 5291.0, 5366.0, 5287.0, 5391.0 (number of hits: 11)
21	5510.0	9	1.0	333	1	5512.0, 5479.0, 5584.0, 5441.0, 5671.0, 5688.0, 5623.0, 5705.0, 5519.0, 5426.0, 5286.0, 5285.0, 5609.0, 5411.0, 5335.0, 5489.0, 5308.0, 5638.0, 5256.0, 5428.0, 5523.0, 5598.0, 5720.0, 5323.0, 5646.0, 5424.0, 5446.0, 5438.0, 5542.0, 5406.0, 5498.0, 5408.0, 5567.0, 5448.0, 5306.0, 5625.0, 5332.0, 5462.0, 5366.0, 5552.0,

						5470.0, 5310.0, 5724.0, 5513.0, 5463.0, 5683.0, 5298.0, 5524.0, 5443.0, 5398.0, 5483.0, 5580.0, 5396.0, 5384.0, 5500.0, 5719.0, 5499.0, 5270.0, 5419.0, 5535.0, 5316.0, 5572.0, 5305.0, 5612.0, 5651.0, 5351.0, 5296.0, 5607.0, 5356.0, 5333.0, 5510.0, 5670.0, 5672.0, 5601.0, 5258.0, 5566.0, 5365.0, 5532.0, 5376.0, 5403.0, 5416.0, 5252.0, 5378.0, 5309.0, 5277.0, 5718.0, 5714.0, 5268.0, 5327.0, 5288.0, 5560.0, 5556.0, 5534.0, 5445.0, 5320.0, 5409.0, 5585.0, 5349.0, 5548.0, 5364.0 (number of hits: 9)
22	5510.0	9	1.0	333	1	5487.0, 5532.0, 5498.0, 5254.0, 5407.0, 5373.0, 5615.0, 5490.0, 5339.0, 5330.0, 5558.0, 5686.0, 5653.0, 5682.0, 5357.0, 5353.0, 5648.0, 5607.0, 5601.0, 5405.0, 5283.0, 5304.0, 5447.0, 5575.0, 5473.0, 5362.0, 5348.0, 5329.0, 5376.0, 5355.0, 5523.0, 5592.0, 5649.0, 5692.0, 5483.0, 5538.0, 5707.0, 5643.0, 5430.0, 5404.0, 5593.0, 5480.0, 5336.0, 5346.0, 5379.0, 5638.0, 5322.0, 5580.0, 5603.0, 5679.0, 5331.0, 5639.0, 5549.0, 5499.0, 5482.0, 5332.0, 5571.0, 5321.0, 5684.0, 5478.0, 5529.0, 5257.0, 5268.0, 5628.0, 5398.0, 5397.0, 5394.0, 5388.0, 5479.0, 5454.0, 5625.0, 5367.0, 5720.0, 5486.0, 5306.0, 5437.0, 5399.0, 5436.0, 5295.0, 5294.0, 5714.0, 5389.0, 5340.0, 5674.0, 5611.0, 5461.0, 5262.0, 5299.0, 5582.0, 5614.0, 5382.0, 5507.0, 5699.0, 5576.0, 5416.0, 5328.0, 5524.0, 5401.0, 5569.0, 5281.0 (number of hits: 5)
23	5510.0	9	1.0	333	1	5649.0, 5497.0, 5681.0, 5419.0, 5555.0, 5718.0, 5563.0, 5562.0, 5558.0, 5448.0, 5513.0, 5413.0, 5580.0, 5440.0, 5696.0, 5710.0, 5680.0, 5567.0, 5717.0, 5432.0, 5500.0, 5625.0, 5471.0, 5540.0, 5715.0, 5629.0, 5501.0, 5494.0, 5252.0, 5528.0, 5721.0, 5476.0, 5672.0, 5600.0, 5554.0, 5628.0, 5646.0, 5499.0, 5441.0, 5359.0, 5348.0, 5453.0, 5425.0, 5683.0, 5524.0, 5692.0, 5510.0, 5586.0, 5376.0, 5665.0, 5335.0, 5287.0, 5589.0, 5372.0, 5604.0, 5489.0, 5664.0, 5347.0, 5385.0, 5575.0, 5388.0, 5326.0, 5485.0, 5474.0, 5590.0, 5375.0, 5295.0, 5428.0, 5573.0, 5327.0, 5461.0, 5670.0, 5707.0, 5341.0, 5412.0, 5473.0, 5297.0, 5653.0, 5436.0, 5652.0, 5439.0, 5277.0, 5682.0, 5702.0, 5636.0, 5264.0, 5393.0, 5714.0, 5659.0, 5339.0, 5654.0, 5465.0, 5361.0, 5408.0, 5679.0, 5317.0, 5316.0, 5431.0, 5550.0, 5466.0 (number of hits: 8)
24	5510.0	9	1.0	333	1	5552.0, 5384.0, 5347.0, 5318.0, 5494.0, 5372.0, 5679.0, 5507.0, 5694.0, 5582.0, 5445.0, 5520.0, 5439.0, 5381.0, 5610.0, 5282.0, 5698.0, 5595.0, 5676.0, 5533.0, 5409.0, 5467.0, 5452.0, 5560.0, 5453.0, 5526.0, 5596.0, 5397.0, 5273.0, 5706.0, 5631.0, 5400.0, 5358.0, 5499.0, 5604.0,

						5471.0, 5447.0, 5570.0, 5369.0, 5695.0, 5424.0, 5301.0, 5686.0, 5259.0, 5393.0, 5715.0, 5648.0, 5547.0, 5664.0, 5332.0, 5624.0, 5477.0, 5479.0, 5300.0, 5609.0, 5258.0, 5717.0, 5666.0, 5383.0, 5585.0, 5408.0, 5723.0, 5521.0, 5625.0, 5370.0, 5315.0, 5297.0, 5614.0, 5406.0, 5577.0, 5672.0, 5469.0, 5326.0, 5411.0, 5304.0, 5602.0, 5650.0, 5253.0, 5711.0, 5620.0, 5565.0, 5272.0, 5335.0, 5360.0, 5719.0, 5591.0, 5290.0, 5421.0, 5323.0, 5378.0, 5663.0, 5567.0, 5474.0, 5687.0, 5325.0, 5460.0, 5549.0, 5495.0, 5266.0, 5357.0 (number of hits: 7)
25	5510.0	9	1.0	333	1	5375.0, 5608.0, 5312.0, 5362.0, 5371.0, 5706.0, 5441.0, 5516.0, 5549.0, 5680.0, 5488.0, 5561.0, 5473.0, 5626.0, 5329.0, 5447.0, 5587.0, 5624.0, 5359.0, 5471.0, 5598.0, 5509.0, 5550.0, 5305.0, 5720.0, 5714.0, 5688.0, 5334.0, 5540.0, 5510.0, 5422.0, 5458.0, 5657.0, 5691.0, 5659.0, 5360.0, 5435.0, 5639.0, 5383.0, 5591.0, 5507.0, 5664.0, 5256.0, 5499.0, 5682.0, 5546.0, 5707.0, 5262.0, 5321.0, 5475.0, 5556.0, 5445.0, 5643.0, 5389.0, 5421.0, 5715.0, 5300.0, 5497.0, 5464.0, 5535.0, 5500.0, 5419.0, 5284.0, 5679.0, 5382.0, 5649.0, 5313.0, 5368.0, 5559.0, 5324.0, 5487.0, 5465.0, 5580.0, 5611.0, 5542.0, 5272.0, 5670.0, 5545.0, 5322.0, 5625.0, 5385.0, 5348.0, 5565.0, 5489.0, 5333.0, 5589.0, 5408.0, 5287.0, 5428.0, 5367.0, 5558.0, 5604.0, 5514.0, 5716.0, 5692.0, 5570.0, 5710.0, 5266.0, 5628.0, 5437.0 (number of hits: 8)
26	5510.0	9	1.0	333	1	5475.0, 5385.0, 5567.0, 5466.0, 5397.0, 5290.0, 5496.0, 5263.0, 5482.0, 5506.0, 5652.0, 5377.0, 5401.0, 5329.0, 5623.0, 5585.0, 5548.0, 5481.0, 5618.0, 5509.0, 5372.0, 5348.0, 5663.0, 5522.0, 5411.0, 5313.0, 5514.0, 5512.0, 5262.0, 5641.0, 5702.0, 5447.0, 5709.0, 5558.0, 5517.0, 5395.0, 5423.0, 5374.0, 5398.0, 5584.0, 5394.0, 5501.0, 5318.0, 5428.0, 5670.0, 5563.0, 5619.0, 5470.0, 5479.0, 5486.0, 5571.0, 5308.0, 5426.0, 5298.0, 5689.0, 5384.0, 5693.0, 5459.0, 5421.0, 5590.0, 5575.0, 5259.0, 5375.0, 5634.0, 5321.0, 5635.0, 5691.0, 5692.0, 5380.0, 5507.0, 5304.0, 5490.0, 5468.0, 5473.0, 5471.0, 5334.0, 5545.0, 5489.0, 5457.0, 5669.0, 5491.0, 5286.0, 5569.0, 5628.0, 5467.0, 5570.0, 5687.0, 5339.0, 5527.0, 5465.0, 5373.0, 5404.0, 5265.0, 5713.0, 5441.0, 5413.0, 5356.0, 5424.0, 5418.0, 5708.0 (number of hits: 10)
27	5510.0	9	1.0	333	1	5386.0, 5298.0, 5554.0, 5361.0, 5251.0, 5409.0, 5286.0, 5433.0, 5591.0, 5404.0, 5482.0, 5436.0, 5665.0, 5701.0, 5671.0, 5435.0, 5483.0, 5284.0, 5547.0, 5573.0, 5604.0, 5302.0, 5469.0, 5303.0, 5683.0, 5506.0, 5519.0, 5711.0, 5558.0, 5476.0,

						5328.0, 5343.0, 5352.0, 5575.0, 5645.0, 5531.0, 5618.0, 5391.0, 5510.0, 5445.0, 5291.0, 5395.0, 5707.0, 5279.0, 5264.0, 5337.0, 5681.0, 5660.0, 5365.0, 5632.0, 5428.0, 5598.0, 5322.0, 5376.0, 5700.0, 5353.0, 5538.0, 5341.0, 5570.0, 5694.0, 5347.0, 5718.0, 5680.0, 5600.0, 5649.0, 5513.0, 5424.0, 5619.0, 5383.0, 5548.0, 5693.0, 5408.0, 5455.0, 5662.0, 5387.0, 5540.0, 5308.0, 5497.0, 5560.0, 5440.0, 5488.0, 5567.0, 5414.0, 5425.0, 5342.0, 5406.0, 5451.0, 5628.0, 5545.0, 5719.0, 5307.0, 5431.0, 5461.0, 5318.0, 5381.0, 5269.0, 5699.0, 5338.0, 5280.0, 5258.0 (number of hits: 5)
28	5510.0	9	1.0	333	1	5692.0, 5348.0, 5639.0, 5521.0, 5505.0, 5357.0, 5513.0, 5605.0, 5669.0, 5655.0, 5445.0, 5421.0, 5297.0, 5276.0, 5429.0, 5392.0, 5663.0, 5323.0, 5495.0, 5339.0, 5617.0, 5654.0, 5314.0, 5679.0, 5265.0, 5540.0, 5343.0, 5563.0, 5338.0, 5650.0, 5552.0, 5616.0, 5410.0, 5520.0, 5474.0, 5656.0, 5580.0, 5721.0, 5389.0, 5290.0, 5708.0, 5559.0, 5543.0, 5414.0, 5632.0, 5682.0, 5712.0, 5648.0, 5257.0, 5585.0, 5302.0, 5481.0, 5352.0, 5716.0, 5483.0, 5627.0, 5433.0, 5403.0, 5442.0, 5269.0, 5346.0, 5318.0, 5425.0, 5402.0, 5572.0, 5319.0, 5327.0, 5447.0, 5393.0, 5693.0, 5385.0, 5436.0, 5698.0, 5364.0, 5275.0, 5486.0, 5273.0, 5723.0, 5620.0, 5526.0, 5409.0, 5449.0, 5683.0, 5547.0, 5609.0, 5588.0, 5647.0, 5515.0, 5476.0, 5324.0, 5635.0, 5493.0, 5270.0, 5562.0, 5250.0, 5717.0, 5646.0, 5564.0, 5406.0, 5489.0 (number of hits: 8)
29	5510.0	9	1.0	333	1	5509.0, 5555.0, 5455.0, 5571.0, 5456.0, 5375.0, 5656.0, 5625.0, 5257.0, 5664.0, 5679.0, 5547.0, 5441.0, 5653.0, 5274.0, 5677.0, 5430.0, 5628.0, 5712.0, 5661.0, 5564.0, 5668.0, 5301.0, 5385.0, 5326.0, 5518.0, 5319.0, 5627.0, 5267.0, 5617.0, 5252.0, 5377.0, 5277.0, 5295.0, 5622.0, 5296.0, 5362.0, 5254.0, 5643.0, 5568.0, 5480.0, 5639.0, 5594.0, 5540.0, 5401.0, 5685.0, 5675.0, 5469.0, 5328.0, 5350.0, 5537.0, 5534.0, 5535.0, 5558.0, 5336.0, 5546.0, 5578.0, 5600.0, 5596.0, 5599.0, 5666.0, 5512.0, 5405.0, 5300.0, 5523.0, 5510.0, 5554.0, 5588.0, 5619.0, 5331.0, 5394.0, 5330.0, 5421.0, 5395.0, 5305.0, 5442.0, 5611.0, 5424.0, 5323.0, 5593.0, 5570.0, 5437.0, 5485.0, 5399.0, 5447.0, 5415.0, 5429.0, 5318.0, 5382.0, 5715.0, 5428.0, 5490.0, 5465.0, 5494.0, 5311.0, 5652.0, 5364.0, 5640.0, 5438.0, 5608.0 (number of hits: 6)
30	5510.0	9	1.0	333	1	5331.0, 5352.0, 5255.0, 5587.0, 5318.0, 5396.0, 5566.0, 5428.0, 5562.0, 5467.0, 5621.0, 5264.0, 5372.0, 5685.0, 5722.0, 5544.0, 5674.0, 5577.0, 5449.0, 5340.0, 5530.0, 5495.0, 5510.0, 5462.0, 5400.0,

						5683.0, 5515.0, 5436.0, 5349.0, 5589.0, 5460.0, 5355.0, 5551.0, 5611.0, 5676.0, 5500.0, 5581.0, 5438.0, 5409.0, 5378.0, 5662.0, 5595.0, 5276.0, 5539.0, 5661.0, 5416.0, 5371.0, 5419.0, 5432.0, 5325.0, 5609.0, 5480.0, 5388.0, 5672.0, 5403.0, 5254.0, 5488.0, 5314.0, 5476.0, 5475.0, 5705.0, 5693.0, 5701.0, 5333.0, 5616.0, 5274.0, 5469.0, 5404.0, 5266.0, 5418.0, 5554.0, 5446.0, 5524.0, 5631.0, 5366.0, 5386.0, 5256.0, 5311.0, 5289.0, 5251.0, 5496.0, 5648.0, 5673.0, 5278.0, 5426.0, 5474.0, 5549.0, 5288.0, 5270.0, 5284.0, 5399.0, 5313.0, 5473.0, 5543.0, 5657.0, 5583.0, 5456.0, 5514.0, 5716.0, 5447.0 (number of hits: 7)

AP Mode
Pine Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	95 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	81	1.0	658	1
2	18	1.0	3066	1
3	78	1.0	678	1
4	68	1.0	778	1
5	76	1.0	698	1
6	83	1.0	638	1
7	63	1.0	838	1
8	72	1.0	738	1
9	89	1.0	598	1
10	86	1.0	618	1
11	65	1.0	818	1
12	62	1.0	858	1
13	59	1.0	898	1
14	70	1.0	758	1
15	95	1.0	558	1
16	28	1.0	1913	1
17	34	1.0	1563	1
18	30	1.0	1796	1
19	20	1.0	2688	1
20	25	1.0	2182	1
21	53	1.0	1013	1
22	27	1.0	1962	1
23	24	1.0	2256	1
24	29	1.0	1850	1
25	21	1.0	2561	1
26	39	1.0	1365	1
27	21	1.0	2607	1
28	55	1.0	961	1
29	23	1.0	2380	1
30	27	1.0	2020	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	27	1.9	160	1
2	25	4.1	206	1
3	24	3.8	187	1
4	29	3.8	193	1
5	23	4.5	150	1
6	25	1.7	163	0
7	27	1.4	223	1
8	26	3.1	175	1
9	28	2.4	172	1
10	27	1.7	175	1
11	28	3.0	158	1
12	23	3.5	223	0
13	23	3.7	155	1
14	27	4.8	193	1
15	28	3.0	168	1
16	25	3.0	222	1
17	24	4.3	215	1
18	26	3.1	183	1
19	27	4.1	191	1
20	26	3.3	206	1
21	28	2.1	170	1
22	23	3.3	212	1
23	27	2.7	199	1
24	25	4.0	194	1
25	29	3.8	215	1
26	25	2.5	199	0
27	29	2.0	197	1
28	24	2.9	215	1
29	24	1.5	187	1
30	26	1.7	177	1
Detection Percentage: 90 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	8.4	385	1
2	18	7.9	342	1
3	16	6.5	257	1
4	18	8.7	263	1
5	18	9.4	325	1
6	16	7.5	456	1
7	17	8.1	293	1
8	18	8.2	278	1
9	17	8.8	399	1
10	18	9.3	453	1
11	18	6.6	414	1
12	17	8.2	305	1
13	17	6.2	341	1
14	17	8.2	350	1
15	16	7.8	202	1
16	18	6.3	265	0
17	16	8.8	343	1
18	17	9.3	480	1
19	18	7.7	333	1
20	17	9.1	317	1
21	17	7.7	298	1
22	16	6.6	493	0
23	18	7.8	245	1
24	16	7.3	496	1
25	16	7.8	241	1
26	18	8.1	428	1
27	18	9.1	361	1
28	17	9.3	319	1
29	16	7.8	327	1
30	18	7.1	242	1
Detection Percentage: 93.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	11.0	359	1
2	13	14.9	477	1
3	15	11.3	312	1
4	12	15.7	374	1
5	15	12.0	477	1
6	16	20.0	295	0
7	12	14.9	453	1
8	15	11.3	411	1
9	13	13.1	358	1
10	16	17.4	236	1
11	16	18.7	381	1
12	14	11.2	222	1
13	14	12.1	483	1
14	14	13.0	276	1
15	15	13.7	357	1
16	15	16.0	357	1
17	12	12.1	358	1
18	15	16.3	463	1
19	16	19.5	427	1
20	15	19.8	318	1
21	16	19.1	291	1
22	13	11.4	224	1
23	13	15.8	229	1
24	12	13.3	304	1
25	15	14.7	301	1
26	16	19.9	254	1
27	15	19.8	450	1
28	16	12.9	244	1
29	12	19.4	423	1
30	14	17.2	202	1
Detection Percentage: 96.7 % (>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	5500.5	1
12	5500.1	1
13	5495.3	1
14	5497.3	1
15	5499.3	1
16	5494.9	1
17	5495.7	1
18	5494.9	1
19	5500.1	1
20	5497.7	1
21	5563.1	1
22	5561.9	1
23	5564.7	1
24	5560.3	1
25	5562.3	1
26	5559.9	1
27	5559.5	1
28	5563.5	1
29	5563.1	1
30	5562.3	1
Detection Percentage: 100 % (>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	11	50.2	1826	1825	0.615897	1
1	2	11	70.7	1783		1.088896	
2	3	11	93.6	1464	1601	1.891678	
3	3	11	76.2	1831	1442	2.123364	
4	1	11	77.7			3.057859	
5	1	11	76.7			3.376312	
6	1	11	62.9			4.490643	
7	3	11	92.5	1018	1094	4.759871	
8	3	11	57.3	1408	1896	5.557580	
9	2	11	69.7	1988		6.363901	
10	1	11	68.0			6.751811	
11	1	11	75.8			7.761580	
12	2	11	67.7	1640		8.165234	
13	2	11	73.2	1327		9.142152	
14	2	11	75.3	1443		9.621880	
15	2	11	79.8	1513		10.346350	
16	3	11	64.2	1768	1564	10.847260	
17	1	11	63.7			11.886197	

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	10	95.9			0.495259	1
1	3	10	59.8	1846	1777	1.830907	
2	2	10	82.0	1849		2.559272	
3	2	10	86.8	1357		3.762165	
4	3	10	54.5	1836	1290	5.000962	
5	3	10	76.4	1719	1380	5.778598	
6	1	10	77.8			7.520188	
7	1	10	69.2			7.686749	
8	2	10	80.0	1232		8.816877	
9	3	10	98.8	1377	1406	10.777246	
10	2	10	93.6	1705		11.969024	

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	15	69.7	1204	1455	0.730750	1
1	3	15	61.3	1558	1481	1.870454	
2	1	15	73.1			3.428836	
3	2	15	95.7	1252		5.434542	
4	1	15	69.4			7.075242	
5	1	15	63.2			7.718335	
6	2	15	95.8	1445		10.297092	
7	2	15	86.7	1421		11.304087	

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	6	99.2	1258		0.633528	1
1	1	6	55.5			1.085054	
2	1	6	86.4			2.127914	
3	3	6	71.4	1540	1823	3.098855	
4	3	6	86.6	1916	1970	3.427330	
5	2	6	62.2	1829		4.057404	
6	2	6	65.5	1159		5.392227	
7	2	6	54.2	1756		6.322291	
8	3	6	74.5	1985	1933	6.567582	
9	3	6	62.9	1647	1948	7.871108	
10	1	6	94.7			8.622425	
11	3	6	93.6	1444	1209	9.233739	
12	2	6	97.5	1437		10.374781	
13	2	6	67.0	1482		10.578103	
14	3	6	98.9	1705	1489	11.893337	

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	1	8	84.1			0.281392	
1	3	8	100.0	1074	1143	0.917616	
2	2	8	67.9	1393		1.585064	
3	1	8	57.9			2.306095	
4	3	8	72.9	1301	1709	2.804909	
5	1	8	67.4			3.075503	
6	2	8	81.8	1396		3.612152	
7	2	8	53.4	1171		4.542284	
8	1	8	83.6			4.983957	
9	1	8	85.4			5.401176	
10	3	8	94.1	1787	1206	6.121369	1
11	1	8	75.7			7.008036	
12	2	8	63.4	1051		7.636317	
13	3	8	53.6	1118	1169	7.965192	
14	3	8	76.2	1040	1857	8.438068	
15	3	8	53.2	1156	1089	9.575780	
16	3	8	60.0	1254	1133	9.706556	
17	1	8	69.8			10.641861	
18	3	8	81.4	1470	1358	10.991151	
19	2	8	52.1	1312		11.841012	

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	13	63.2	1051		0.291353	
1	1	13	70.5			1.444200	
2	3	13	55.5	1648	1406	2.029180	
3	1	13	84.6			3.082386	
4	3	13	52.9	1534	1008	3.512484	
5	3	13	83.0	1429	1751	4.022119	
6	2	13	80.0	1604		4.884789	
7	2	13	69.5	1959		6.056142	1
8	2	13	88.4	1796		6.735496	
9	2	13	89.4	1569		7.906995	
10	1	13	64.0			8.686861	
11	1	13	77.7			9.203748	
12	2	13	59.8	1598		9.946548	
13	1	13	69.4			10.618491	
14	2	13	72.3	1466		11.618532	

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	60.7	1704	1605	0.749289	
1	1	11	70.9			1.745020	
2	3	11	87.5	1546	1942	3.644067	
3	2	11	62.0	1300		5.229956	
4	2	11	89.6	1572		5.566150	1
5	2	11	70.7	1761		6.718491	
6	2	11	85.9	1563		8.213224	
7	3	11	57.5	1922	1191	10.381465	
8	3	11	98.8	1796	1102	11.370422	

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	5	85.7			0.572742	
1	3	5	74.2	1865	1810	0.755196	
2	1	5	63.1			1.575985	
3	2	5	51.5	1505		2.368719	
4	3	5	67.9	1641	1521	2.934568	
5	2	5	75.9	1741		3.610038	
6	2	5	58.3	1263		4.430911	
7	3	5	84.1	1438	1184	5.320156	
8	2	5	71.1	1091		5.366049	
9	3	5	74.4	1625	1718	6.167165	1
10	3	5	75.7	1581	1245	7.163296	
11	2	5	74.3	1793		7.598247	
12	3	5	62.3	1774	1225	8.246929	
13	2	5	78.6	1744		9.281533	
14	1	5	78.4			9.549345	
15	2	5	71.7	1107		10.004452	
16	2	5	60.4	1433		11.284588	
17	2	5	56.8	1099		11.574487	

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	8	71.3	1774		0.702337	
1	3	8	50.8	1568	1195	1.489412	
2	1	8	92.3			2.727706	
3	1	8	58.6			4.150521	
4	2	8	55.8	1038		5.046279	
5	1	8	95.3			6.482399	1
6	3	8	71.0	1763	1404	7.159330	
7	2	8	77.4	1804		8.158428	
8	3	8	95.8	1574	1532	9.605104	
9	1	8	61.0			10.706581	
10	2	8	75.9	1982		11.883228	

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	62.4	1503		0.641071	
1	2	10	74.2	1982		2.273352	
2	2	10	71.6	1106		2.947853	
3	2	10	69.6	1443		5.157959	
4	2	10	56.5	1100		5.544047	1
5	3	10	61.2	1824	1535	6.847909	
6	3	10	80.7	1842	1728	9.071932	
7	1	10	95.2			10.218232	
8	1	10	96.3			11.184803	

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	20	77.5	1960		0.526248	
1	3	20	85.7	1471	1548	1.786910	
2	3	20	96.3	1720	1524	1.949804	
3	2	20	65.2	1014		2.908343	
4	1	20	73.3			4.284245	
5	3	20	97.2	1732	1312	5.476059	
6	1	20	87.0			6.428602	1
7	1	20	57.9			6.575887	
8	2	20	77.8	1352		7.883398	
9	3	20	70.4	1991	1198	9.185824	
10	1	20	90.4			9.247187	
11	2	20	90.9	1469		10.260906	
12	2	20	94.2	1408		11.797878	

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	19	70.2			0.190127	
1	3	19	98.0	1053	1181	2.317611	
2	3	19	68.8	1452	1799	2.674008	
3	3	19	91.1	1672	1637	4.154601	
4	2	19	62.2	1164		5.726173	1
5	2	19	90.5	1267		7.906752	
6	2	19	89.9	1302		8.599858	
7	1	19	63.3			10.550036	
8	2	19	59.5	1846		10.768861	

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	7	61.5	1973	1611	0.959956	
1	3	7	71.9	1174	1716	1.363343	
2	2	7	93.5	1253		2.271717	
3	2	7	95.2	1462		3.765170	
4	1	7	81.5			5.365024	
5	2	7	78.1	1415		5.888311	1
6	3	7	66.9	1786	1873	7.513136	
7	2	7	79.7	1673		8.067648	
8	1	7	87.2			9.054795	
9	2	7	74.9	1569		10.427618	
10	1	7	64.1			11.776358	

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	12	73.0	1262	1325	0.416596	
1	3	12	82.5	1916	1963	1.051558	
2	2	12	52.7	1783		1.719258	
3	2	12	66.6	1061		1.936318	
4	1	12	68.7			3.057441	
5	1	12	51.7			3.343016	
6	2	12	59.7	1580		4.120585	
7	2	12	57.7	1729		4.646013	
8	2	12	88.3	1522		5.357384	
9	3	12	90.9	1538	1498	6.270251	1
10	2	12	74.8	1944		6.864392	
11	2	12	83.9	1887		7.030788	
12	2	12	66.4	1524		8.022039	
13	2	12	79.6	1975		8.650331	
14	2	12	94.0	1185		9.005554	
15	3	12	76.5	1662	1637	10.016750	
16	3	12	92.8	1844	1460	10.662383	
17	1	12	71.6			10.942706	
18	1	12	70.1			11.863795	

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	17	55.8			0.979023	1
1	1	17	93.3			1.206065	
2	3	17	64.9	1717	1127	2.828714	
3	2	17	75.6	1266		4.443642	
4	3	17	69.1	1224	1558	5.762822	
5	2	17	92.8	1421		6.131258	
6	2	17	62.4	1593		8.001693	
7	2	17	57.4	1381		8.533854	
8	3	17	88.9	1228	1652	10.206471	
9	2	17	73.8	1769		10.816007	

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	6	59.1			0.641787	1
1	2	6	85.6	1847		1.164509	
2	3	6	75.1	1192	1774	2.311016	
3	2	6	65.3	1172		2.510961	
4	1	6	72.8			3.320109	
5	2	6	68.0	1056		4.459807	
6	2	6	50.6	1884		5.593488	
7	3	6	85.4	1345	1141	5.686329	
8	2	6	55.6	1704		6.575824	
9	2	6	61.4	1459		7.686555	
10	2	6	92.6	1069		8.085044	
11	1	6	96.3			9.235496	
12	1	6	73.3			10.281412	
13	1	6	52.9			10.566585	
14	3	6	70.8	1101	1618	11.564674	

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	78.5	1182		0.901272	
1	3	8	65.6	1510	1805	2.064362	
2	1	8	90.3			3.022986	
3	1	8	93.5			5.326149	
4	2	8	70.2	1148		6.633341	1
5	2	8	68.9	1079		7.175089	
6	2	8	57.7	1003		8.622189	
7	3	8	81.3	1918	1624	9.780067	
8	2	8	75.0	1977		11.583924	

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	6	63.0	1011		0.082554	
1	2	6	82.1	1878		1.219665	
2	2	6	53.1	1306		1.665677	
3	2	6	73.7	1300		2.324090	
4	1	6	59.0			2.913594	
5	2	6	55.4	1028		3.430932	
6	2	6	79.8	1501		4.155439	
7	2	6	90.1	1539		5.192810	
8	3	6	95.8	1878	1295	5.912603	1
9	3	6	83.6	1066	1542	6.245571	
10	2	6	81.2	1648		6.874505	
11	1	6	66.2			7.500238	
12	2	6	75.6	1890		8.655969	
13	1	6	69.9			9.054026	
14	3	6	62.8	1873	1189	9.586890	
15	2	6	76.0	1814		10.192497	
16	2	6	70.7	1166		10.768172	
17	1	6	62.4			11.552796	

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	19	92.2			0.015296	1
1	2	19	84.8	1036		1.602947	
2	3	19	57.9	1467	1026	3.868512	
3	2	19	95.4	1374		4.037987	
4	3	19	87.1	1885	1671	6.451902	
5	1	19	59.6			7.676103	
6	1	19	95.6			8.231778	
7	2	19	90.2	1110		10.524603	
8	2	19	77.1	1381		10.730863	

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	13	94.0	1193		0.515351	1
1	3	13	65.5	1528	1381	1.100585	
2	2	13	82.1	1596		1.644925	
3	3	13	83.7	1075	1033	2.654122	
4	2	13	89.5	1597		3.206025	
5	2	13	93.4	1697		3.476079	
6	2	13	71.7	1741		4.285001	
7	3	13	64.8	1671	1185	4.790732	
8	1	13	88.6			5.910063	
9	3	13	98.2	1156	1159	6.047826	
10	3	13	70.8	1683	1881	7.118931	
11	2	13	97.5	1676		7.920027	
12	3	13	54.8	1738	1625	8.063094	
13	3	13	93.9	1729	1321	9.065528	
14	2	13	81.5	1329		9.901553	
15	2	13	96.3	1759		10.603623	
16	3	13	92.8	1779	1523	11.273873	
17	3	13	98.9	1019	1220	11.506964	

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	56.5	1140		0.842021	
1	3	11	95.5	1230	1259	1.542220	
2	2	11	74.4	1478		2.141886	
3	2	11	70.8	1473		3.426322	
4	3	11	97.3	1120	1976	4.116889	
5	1	11	59.2			5.116499	
6	3	11	98.5	1066	1271	5.773242	1
7	3	11	89.5	1200	1068	6.546632	
8	1	11	51.1			7.860070	
9	3	11	82.8	1190	1247	8.736096	
10	2	11	64.6	1735		9.719189	
11	3	11	92.1	1225	1666	10.551967	
12	2	11	55.3	1932		11.485466	

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	14	85.6			0.788186	
1	1	14	94.8			1.522964	
2	3	14	72.2	1295	1082	2.001816	
3	1	14	67.3			3.344709	
4	1	14	92.3			3.620613	
5	3	14	74.5	1724	1488	4.837665	
6	2	14	79.2	1285		5.648969	1
7	2	14	98.7	1490		6.281320	
8	1	14	79.9			7.019049	
9	1	14	53.0			7.735952	
10	2	14	92.6	1919		9.273738	
11	2	14	79.3	1067		9.490335	
12	1	14	98.8			10.691465	
13	3	14	55.3	1601	1635	11.545781	

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	7	98.6	1013		0.019112	
1	1	7	59.5			0.826407	
2	1	7	59.3			2.086824	
3	2	7	52.8	1748		2.131393	
4	1	7	82.3			3.182226	
5	2	7	90.3	1283		3.757561	
6	1	7	82.0			4.553216	
7	2	7	72.9	1581		5.374366	
8	3	7	54.2	1377	1658	6.297195	1
9	3	7	50.3	1338	1117	6.995502	
10	2	7	82.3	1021		7.219369	
11	3	7	99.2	1494	1384	7.936722	
12	3	7	84.8	1472	1780	8.666128	
13	2	7	78.0	1508		9.821310	
14	2	7	83.2	1995		10.221751	
15	2	7	59.8	1969		10.812022	
16	1	7	82.9			11.329942	

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	18	66.8	1076		0.492326	
1	2	18	77.7	1302		0.612166	
2	3	18	78.7	1206	1254	1.591990	
3	3	18	99.9	1628	1559	1.803768	
4	3	18	84.0	1489	1223	2.911988	
5	2	18	95.6	1605		3.557720	
6	3	18	91.7	1112	1096	3.895568	
7	2	18	77.9	1011		4.213892	
8	3	18	92.0	1433	1477	5.343945	
9	3	18	93.1	1647	1544	5.536525	1
10	2	18	85.7	1540		6.242514	
11	2	18	59.1	1804		6.736277	
12	1	18	69.5			7.293154	
13	3	18	77.4	1120	1902	8.377175	
14	1	18	92.3			8.551199	
15	2	18	65.5	1380		9.344417	
16	2	18	75.3	1663		9.763757	
17	2	18	55.4	1686		10.359669	
18	3	18	93.1	1340	1204	10.944946	

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	13	57.0			0.612526	
1	1	13	89.9			1.407703	
2	3	13	56.7	1771	1479	2.631725	
3	1	13	57.3			3.939366	
4	1	13	91.4			5.418975	
5	2	13	97.8	1632		5.913849	1
6	3	13	58.3	1165	1174	6.818439	
7	2	13	87.6	1270		8.601858	
8	2	13	76.9	1491		9.720768	
9	2	13	84.3	1067		10.315496	
10	2	13	76.4	1816		11.641759	
0	1	13	57.0			0.612526	

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	19	89.2			0.285279	
1	2	19	73.9	1773		0.956990	
2	2	19	60.1	1426		2.098361	
3	2	19	69.4	1704		2.698305	
4	2	19	60.4	1496		3.510126	
5	3	19	57.9	1364	1616	3.985806	
6	2	19	82.0	1328		4.629080	
7	1	19	72.8			5.391063	
8	2	19	86.5	1598		6.226241	1
9	2	19	68.5	1599		6.670313	
10	2	19	67.2	1060		7.297546	
11	2	19	96.4	1960		8.369100	
12	2	19	58.5	1654		8.934199	
13	2	19	59.0	1249		9.436545	
14	2	19	98.9	1185		10.257256	
15	2	19	63.9	1131		11.111118	
16	1	19	87.2			11.315353	

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	20	75.2	1310		0.187986	
1	3	20	85.2	1416	1916	0.749682	
2	3	20	94.8	1281	1825	1.766252	
3	1	20	50.5			2.630494	
4	2	20	53.0	1247		3.198368	
5	2	20	81.7	1244		4.074899	
6	2	20	73.8	1942		4.838227	
7	2	20	67.6	1176		5.320104	
8	3	20	61.8	1691	1304	5.681761	1
9	2	20	98.6	1874		6.899414	
10	2	20	75.6	1286		7.239175	
11	2	20	81.1	1549		7.866539	
12	2	20	97.2	1302		8.893354	
13	2	20	97.5	1505		9.525653	
14	2	20	80.5	1951		10.422757	
15	2	20	58.7	1210		10.733039	
16	3	20	98.2	1490	1400	11.813803	

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	10	92.6	1639	1610	0.110528	1
1	2	10	70.8	1169		0.743614	
2	2	10	67.9	1204		1.667983	
3	1	10	53.7			1.844052	
4	2	10	88.0	1535		2.698261	
5	1	10	74.0			3.524253	
6	2	10	73.3	1137		3.716902	
7	3	10	51.2	1648	1352	4.376149	
8	2	10	86.3	1152		4.977093	
9	1	10	51.9			5.941776	
10	2	10	96.1	1157		6.065416	
11	2	10	62.5	1586		6.970573	
12	2	10	71.1	1965		7.257738	
13	2	10	51.5	1287		8.343182	
14	2	10	96.9	1563		8.589559	
15	2	10	65.2	1811		9.000570	
16	2	10	57.1	1075		9.921388	
17	2	10	63.2	1371		10.521540	
18	1	10	87.9			11.173244	
19	2	10	82.8	1859		11.561679	

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	11	97.6			0.691983	1
1	3	11	95.6	1021	1800	1.230556	
2	1	11	78.6			2.820648	
3	2	11	51.7	1243		3.540745	
4	2	11	67.5	1446		4.247355	
5	2	11	98.9	1457		5.809946	
6	3	11	63.4	1798	1051	6.369105	
7	2	11	73.6	1834		7.595493	
8	2	11	58.0	1402		8.251647	
9	2	11	63.6	1560		9.798985	
10	2	11	67.2	1366		10.770872	
11	3	11	79.0	1846	1838	11.015095	

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	13	81.8	1605	1718	0.294204	1
1	2	13	73.6	1888		1.216244	
2	2	13	92.1	1435		2.190772	
3	2	13	54.2	1259		2.574638	
4	3	13	94.8	1071	1766	4.265642	
5	3	13	70.1	1282	1232	4.879975	
6	2	13	54.5	1742		5.417253	
7	1	13	78.9			6.801651	
8	2	13	90.7	1817		7.433648	
9	2	13	95.9	1322		8.085232	
10	1	13	75.8			9.013264	
11	3	13	72.0	1098	1346	10.057538	
12	1	13	96.5			11.026891	
13	2	13	67.0	1316		11.500097	

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	5530.0	9	1.0	333	1	5485.0, 5298.0, 5576.0, 5330.0, 5636.0, 5546.0, 5408.0, 5372.0, 5386.0, 5269.0, 5544.0, 5285.0, 5460.0, 5373.0, 5464.0, 5706.0, 5717.0, 5599.0, 5389.0, 5377.0, 5685.0, 5411.0, 5619.0, 5251.0, 5575.0, 5603.0, 5434.0, 5324.0, 5600.0, 5428.0, 5689.0, 5586.0, 5353.0, 5277.0, 5639.0, 5307.0, 5681.0, 5397.0, 5553.0, 5391.0, 5260.0, 5347.0, 5473.0, 5289.0, 5455.0, 5572.0, 5450.0, 5466.0, 5325.0, 5257.0, 5499.0, 5534.0, 5638.0, 5615.0, 5635.0, 5637.0, 5381.0, 5559.0, 5678.0, 5533.0, 5640.0, 5370.0, 5493.0, 5454.0, 5392.0, 5612.0, 5258.0, 5383.0, 5308.0, 5440.0, 5597.0, 5447.0, 5659.0, 5714.0, 5294.0, 5318.0, 5710.0, 5525.0, 5579.0, 5375.0, 5641.0, 5401.0, 5574.0, 5608.0, 5360.0, 5426.0, 5594.0, 5626.0, 5716.0, 5633.0, 5452.0, 5437.0, 5602.0, 5492.0, 5467.0, 5445.0, 5513.0, 5573.0, 5518.0, 5299.0 (number of hits: 12)
2	5530.0	9	1.0	333	1	5645.0, 5615.0, 5599.0, 5614.0, 5391.0, 5719.0, 5346.0, 5612.0, 5378.0, 5480.0, 5448.0, 5252.0, 5589.0, 5541.0, 5369.0, 5656.0, 5533.0, 5689.0, 5591.0, 5284.0, 5634.0, 5341.0, 5504.0, 5280.0, 5512.0, 5344.0, 5439.0, 5445.0, 5309.0, 5442.0, 5272.0, 5364.0, 5268.0, 5411.0, 5630.0, 5406.0, 5685.0, 5574.0, 5602.0, 5381.0, 5658.0, 5613.0, 5701.0, 5363.0, 5555.0, 5408.0, 5649.0, 5379.0, 5607.0, 5371.0, 5700.0, 5419.0, 5570.0, 5459.0, 5489.0, 5266.0, 5513.0, 5356.0, 5440.0, 5675.0, 5644.0, 5253.0, 5484.0, 5528.0, 5606.0, 5572.0, 5702.0, 5710.0, 5328.0, 5550.0, 5389.0, 5255.0, 5690.0, 5287.0, 5618.0, 5592.0, 5631.0, 5650.0, 5330.0, 5581.0, 5715.0, 5322.0, 5340.0, 5605.0, 5271.0, 5670.0, 5444.0, 5466.0, 5404.0, 5470.0, 5441.0, 5527.0, 5707.0, 5545.0, 5563.0, 5598.0, 5400.0, 5483.0, 5386.0, 5333.0 (number of hits: 11)
3	5530.0	9	1.0	333	1	5397.0, 5605.0, 5316.0, 5307.0, 5666.0, 5715.0, 5427.0, 5723.0, 5483.0, 5507.0, 5679.0, 5381.0, 5602.0, 5491.0, 5494.0, 5269.0, 5615.0, 5433.0, 5438.0, 5594.0, 5454.0, 5380.0, 5402.0, 5376.0, 5412.0, 5568.0, 5385.0, 5479.0, 5358.0, 5720.0, 5446.0, 5553.0, 5556.0, 5611.0, 5387.0, 5578.0, 5400.0, 5654.0, 5545.0, 5281.0, 5702.0, 5267.0, 5682.0, 5712.0, 5492.0, 5473.0, 5522.0, 5613.0, 5511.0, 5565.0, 5687.0, 5439.0, 5343.0, 5449.0, 5669.0, 5468.0, 5411.0, 5328.0, 5332.0, 5560.0, 5505.0, 5373.0, 5630.0, 5525.0, 5620.0, 5541.0, 5665.0, 5254.0, 5295.0, 5266.0, 5701.0, 5490.0, 5509.0, 5610.0, 5270.0, 5641.0, 5356.0, 5489.0, 5347.0, 5495.0, 5423.0, 5425.0, 5648.0, 5398.0, 5684.0, 5477.0, 5417.0, 5690.0, 5319.0, 5546.0, 5670.0, 5472.0, 5482.0, 5707.0, 5496.0, 5515.0, 5627.0, 5367.0, 5256.0, 5636.0 (number of hits: 18)
4	5530.0	9	1.0	333	1	5331.0, 5519.0, 5720.0, 5618.0, 5323.0, 5493.0, 5529.0, 5556.0, 5269.0, 5516.0, 5598.0, 5309.0, 5352.0, 5697.0, 5682.0, 5448.0, 5296.0, 5538.0, 5353.0, 5396.0, 5462.0, 5675.0, 5523.0, 5398.0, 5477.0, 5573.0, 5600.0, 5605.0, 5666.0, 5662.0, 5488.0, 5545.0, 5700.0, 5714.0, 5716.0, 5655.0, 5515.0, 5702.0, 5698.0, 5587.0, 5429.0, 5602.0, 5342.0, 5386.0, 5487.0, 5576.0, 5616.0, 5678.0, 5674.0, 5301.0, 5512.0, 5432.0, 5524.0, 5385.0, 5463.0, 5379.0, 5578.0, 5645.0, 5401.0, 5268.0, 5329.0, 5664.0, 5526.0, 5451.0, 5657.0, 5522.0, 5672.0, 5612.0, 5617.0, 5622.0, 5621.0, 5533.0, 5537.0, 5507.0, 5343.0, 5468.0, 5411.0, 5715.0, 5260.0, 5417.0, 5717.0, 5601.0, 5422.0, 5501.0, 5711.0, 5639.0, 5681.0, 5661.0, 5695.0, 5514.0, 5297.0, 5415.0, 5416.0, 5377.0, 5356.0, 5668.0, 5611.0, 5624.0, 5696.0, 5472.0 (number of hits: 18)
5	5530.0	9	1.0	333	1	5723.0, 5386.0, 5405.0, 5510.0, 5588.0, 5284.0, 5355.0, 5471.0, 5682.0, 5274.0, 5704.0, 5428.0, 5331.0, 5306.0, 5347.0, 5587.0, 5642.0, 5554.0, 5360.0, 5318.0, 5657.0, 5513.0, 5634.0, 5278.0, 5557.0, 5450.0, 5442.0, 5586.0, 5276.0, 5622.0, 5484.0, 5267.0,

						5288.0, 5691.0, 5285.0, 5671.0, 5547.0, 5579.0, 5465.0, 5421.0, 5494.0, 5523.0, 5305.0, 5566.0, 5303.0, 5672.0, 5263.0, 5584.0, 5384.0, 5630.0, 5500.0, 5429.0, 5310.0, 5283.0, 5661.0, 5611.0, 5608.0, 5297.0, 5426.0, 5532.0, 5571.0, 5596.0, 5253.0, 5322.0, 5632.0, 5499.0, 5550.0, 5433.0, 5390.0, 5623.0, 5572.0, 5353.0, 5382.0, 5698.0, 5527.0, 5286.0, 5464.0, 5625.0, 5264.0, 5439.0, 5261.0, 5272.0, 5289.0, 5486.0, 5334.0, 5251.0, 5653.0, 5307.0, 5710.0, 5299.0, 5635.0, 5637.0, 5454.0, 5563.0, 5271.0, 5675.0, 5600.0, 5448.0, 5366.0, 5567.0 (number of hits: 15)
6	5530.0	9	1.0	333	1	5655.0, 5414.0, 5609.0, 5621.0, 5401.0, 5276.0, 5261.0, 5485.0, 5316.0, 5577.0, 5298.0, 5281.0, 5692.0, 5721.0, 5512.0, 5286.0, 5722.0, 5572.0, 5677.0, 5498.0, 5632.0, 5465.0, 5368.0, 5416.0, 5628.0, 5463.0, 5569.0, 5263.0, 5324.0, 5669.0, 5541.0, 5321.0, 5301.0, 5447.0, 5398.0, 5369.0, 5409.0, 5635.0, 5283.0, 5335.0, 5394.0, 5564.0, 5273.0, 5439.0, 5425.0, 5718.0, 5643.0, 5543.0, 5351.0, 5413.0, 5362.0, 5491.0, 5519.0, 5342.0, 5420.0, 5703.0, 5534.0, 5481.0, 5328.0, 5446.0, 5472.0, 5521.0, 5275.0, 5295.0, 5489.0, 5653.0, 5528.0, 5279.0, 5607.0, 5387.0, 5675.0, 5339.0, 5370.0, 5345.0, 5660.0, 5395.0, 5611.0, 5662.0, 5548.0, 5399.0, 5674.0, 5665.0, 5424.0, 5338.0, 5510.0, 5588.0, 5327.0, 5639.0, 5603.0, 5410.0, 5673.0, 5482.0, 5644.0, 5553.0, 5388.0, 5596.0, 5520.0, 5353.0, 5576.0, 5495.0 (number of hits: 14)
7	5530.0	9	1.0	333	1	5266.0, 5356.0, 5449.0, 5255.0, 5468.0, 5404.0, 5543.0, 5704.0, 5544.0, 5360.0, 5442.0, 5460.0, 5284.0, 5480.0, 5624.0, 5411.0, 5695.0, 5613.0, 5394.0, 5699.0, 5602.0, 5312.0, 5512.0, 5397.0, 5560.0, 5367.0, 5378.0, 5598.0, 5672.0, 5707.0, 5670.0, 5491.0, 5713.0, 5364.0, 5439.0, 5673.0, 5650.0, 5723.0, 5314.0, 5592.0, 5519.0, 5509.0, 5427.0, 5635.0, 5337.0, 5678.0, 5398.0, 5594.0, 5711.0, 5507.0, 5535.0, 5458.0, 5577.0, 5627.0, 5369.0, 5557.0, 5485.0, 5269.0, 5308.0, 5264.0, 5267.0, 5420.0, 5652.0, 5319.0, 5692.0, 5634.0, 5694.0, 5461.0, 5338.0, 5426.0, 5298.0, 5574.0, 5642.0, 5490.0, 5541.0, 5630.0, 5590.0, 5373.0, 5601.0, 5396.0, 5633.0, 5701.0, 5520.0, 5444.0, 5591.0, 5629.0, 5665.0, 5552.0, 5481.0, 5572.0, 5465.0, 5472.0, 5355.0, 5417.0, 5565.0, 5474.0, 5462.0, 5431.0, 5567.0, 5280.0 (number of hits: 14)
8	5530.0	9	1.0	333	1	5608.0, 5399.0, 5643.0, 5498.0, 5676.0, 5323.0, 5448.0, 5483.0, 5664.0, 5481.0, 5471.0, 5457.0, 5623.0, 5406.0, 5449.0, 5252.0, 5324.0, 5365.0, 5503.0, 5428.0, 5712.0, 5605.0, 5285.0, 5280.0, 5509.0, 5580.0, 5321.0, 5650.0, 5472.0, 5701.0, 5372.0, 5377.0, 5615.0, 5562.0, 5722.0, 5427.0, 5389.0, 5489.0, 5549.0, 5686.0, 5296.0, 5564.0, 5697.0, 5329.0, 5272.0, 5341.0, 5470.0, 5446.0, 5495.0, 5258.0, 5555.0, 5271.0, 5354.0, 5454.0, 5547.0, 5696.0, 5589.0, 5515.0, 5313.0, 5526.0, 5527.0, 5426.0, 5378.0, 5675.0, 5560.0, 5622.0, 5631.0, 5281.0, 5672.0, 5496.0, 5533.0, 5665.0, 5525.0, 5574.0, 5322.0, 5535.0, 5353.0, 5450.0, 5582.0, 5275.0, 5505.0, 5657.0, 5402.0, 5349.0, 5551.0, 5444.0, 5432.0, 5619.0, 5641.0, 5325.0, 5255.0, 5569.0, 5656.0, 5266.0, 5721.0, 5588.0, 5606.0, 5531.0, 5332.0, 5673.0 (number of hits: 20)
9	5530.0	9	1.0	333	1	5556.0, 5418.0, 5719.0, 5679.0, 5672.0, 5674.0, 5474.0, 5289.0, 5551.0, 5319.0, 5566.0, 5283.0, 5438.0, 5293.0, 5254.0, 5295.0, 5660.0, 5616.0, 5377.0, 5408.0, 5491.0, 5437.0, 5617.0, 5476.0, 5472.0, 5682.0, 5256.0, 5508.0, 5375.0, 5251.0, 5393.0, 5397.0, 5447.0, 5302.0, 5471.0, 5349.0, 5490.0, 5500.0, 5677.0, 5580.0, 5610.0, 5433.0, 5364.0, 5665.0, 5278.0, 5322.0, 5480.0, 5441.0, 5483.0, 5582.0, 5332.0, 5415.0, 5316.0, 5605.0, 5632.0, 5315.0, 5427.0, 5275.0, 5530.0, 5381.0, 5718.0, 5390.0, 5473.0, 5619.0, 5396.0, 5354.0, 5313.0, 5618.0, 5504.0, 5633.0, 5686.0, 5274.0, 5342.0, 5694.0, 5505.0, 5631.0, 5479.0, 5374.0, 5537.0, 5711.0, 5386.0, 5272.0, 5503.0, 5517.0, 5510.0, 5590.0, 5549.0, 5655.0, 5271.0, 5482.0, 5555.0, 5515.0, 5680.0, 5599.0, 5341.0, 5399.0, 5266.0, 5499.0, 5535.0, 5602.0 (number of hits: 17)
10	5530.0	9	1.0	333	1	5439.0, 5274.0, 5570.0, 5649.0, 5688.0, 5617.0, 5486.0, 5494.0,

						5650.0, 5612.0, 5701.0, 5372.0, 5402.0, 5474.0, 5438.0, 5629.0, 5476.0, 5484.0, 5669.0, 5401.0, 5291.0, 5266.0, 5574.0, 5495.0, 5699.0, 5463.0, 5694.0, 5615.0, 5329.0, 5251.0, 5336.0, 5391.0, 5365.0, 5564.0, 5611.0, 5269.0, 5583.0, 5465.0, 5343.0, 5700.0, 5487.0, 5622.0, 5387.0, 5603.0, 5609.0, 5561.0, 5349.0, 5327.0, 5540.0, 5651.0, 5403.0, 5717.0, 5575.0, 5656.0, 5480.0, 5317.0, 5446.0, 5644.0, 5690.0, 5560.0, 5723.0, 5370.0, 5681.0, 5341.0, 5369.0, 5507.0, 5308.0, 5533.0, 5459.0, 5374.0, 5522.0, 5250.0, 5538.0, 5519.0, 5342.0, 5488.0, 5397.0, 5552.0, 5687.0, 5415.0, 5255.0, 5485.0, 5722.0, 5277.0, 5470.0, 5590.0, 5534.0, 5481.0, 5539.0, 5528.0, 5442.0, 5366.0, 5626.0, 5703.0, 5436.0, 5393.0, 5624.0, 5716.0, 5616.0, 5623.0 (number of hits: 15)
11	5530.0	9	1.0	333	1	5691.0, 5252.0, 5297.0, 5576.0, 5578.0, 5354.0, 5273.0, 5690.0, 5254.0, 5673.0, 5635.0, 5280.0, 5682.0, 5683.0, 5310.0, 5438.0, 5638.0, 5705.0, 5459.0, 5639.0, 5674.0, 5258.0, 5289.0, 5363.0, 5665.0, 5630.0, 5390.0, 5442.0, 5675.0, 5692.0, 5625.0, 5523.0, 5460.0, 5381.0, 5424.0, 5623.0, 5589.0, 5598.0, 5361.0, 5510.0, 5468.0, 5670.0, 5417.0, 5270.0, 5420.0, 5710.0, 5267.0, 5602.0, 5430.0, 5446.0, 5646.0, 5386.0, 5648.0, 5601.0, 5535.0, 5484.0, 5371.0, 5264.0, 5521.0, 5491.0, 5452.0, 5555.0, 5295.0, 5512.0, 5312.0, 5388.0, 5693.0, 5661.0, 5338.0, 5641.0, 5664.0, 5482.0, 5372.0, 5612.0, 5294.0, 5706.0, 5407.0, 5291.0, 5393.0, 5723.0, 5448.0, 5643.0, 5603.0, 5292.0, 5469.0, 5704.0, 5569.0, 5501.0, 5724.0, 5434.0, 5493.0, 5553.0, 5307.0, 5700.0, 5419.0, 5610.0, 5617.0, 5627.0, 5650.0, 5668.0 (number of hits: 9)
12	5530.0	9	1.0	333	1	5463.0, 5517.0, 5607.0, 5602.0, 5291.0, 5361.0, 5481.0, 5512.0, 5368.0, 5708.0, 5299.0, 5620.0, 5309.0, 5495.0, 5389.0, 5686.0, 5526.0, 5519.0, 5706.0, 5274.0, 5404.0, 5338.0, 5304.0, 5499.0, 5341.0, 5266.0, 5623.0, 5405.0, 5645.0, 5317.0, 5693.0, 5415.0, 5257.0, 5507.0, 5505.0, 5647.0, 5377.0, 5364.0, 5352.0, 5487.0, 5285.0, 5392.0, 5613.0, 5724.0, 5513.0, 5343.0, 5579.0, 5348.0, 5531.0, 5272.0, 5402.0, 5432.0, 5715.0, 5268.0, 5489.0, 5503.0, 5283.0, 5333.0, 5633.0, 5486.0, 5253.0, 5452.0, 5397.0, 5263.0, 5575.0, 5636.0, 5612.0, 5294.0, 5474.0, 5644.0, 5327.0, 5529.0, 5384.0, 5571.0, 5608.0, 5542.0, 5310.0, 5460.0, 5689.0, 5446.0, 5420.0, 5369.0, 5649.0, 5583.0, 5314.0, 5582.0, 5472.0, 5545.0, 5713.0, 5625.0, 5595.0, 5270.0, 5450.0, 5611.0, 5490.0, 5648.0, 5508.0, 5297.0, 5350.0, 5395.0 (number of hits: 15)
13	5530.0	9	1.0	333	1	5350.0, 5337.0, 5306.0, 5515.0, 5338.0, 5709.0, 5621.0, 5614.0, 5456.0, 5617.0, 5684.0, 5615.0, 5267.0, 5666.0, 5397.0, 5345.0, 5620.0, 5562.0, 5594.0, 5628.0, 5451.0, 5355.0, 5527.0, 5581.0, 5510.0, 5586.0, 5370.0, 5344.0, 5346.0, 5689.0, 5695.0, 5323.0, 5303.0, 5384.0, 5365.0, 5662.0, 5373.0, 5552.0, 5686.0, 5270.0, 5300.0, 5450.0, 5535.0, 5292.0, 5424.0, 5672.0, 5277.0, 5690.0, 5484.0, 5655.0, 5302.0, 5334.0, 5500.0, 5445.0, 5325.0, 5703.0, 5711.0, 5349.0, 5506.0, 5598.0, 5301.0, 5611.0, 5631.0, 5367.0, 5606.0, 5316.0, 5251.0, 5443.0, 5512.0, 5356.0, 5293.0, 5722.0, 5379.0, 5575.0, 5333.0, 5305.0, 5491.0, 5578.0, 5369.0, 5568.0, 5312.0, 5271.0, 5438.0, 5466.0, 5646.0, 5296.0, 5471.0, 5332.0, 5419.0, 5520.0, 5671.0, 5693.0, 5536.0, 5428.0, 5554.0, 5412.0, 5564.0, 5604.0, 5261.0, 5281.0 (number of hits: 13)
14	5530.0	9	1.0	333	1	5645.0, 5513.0, 5574.0, 5714.0, 5556.0, 5448.0, 5298.0, 5318.0, 5495.0, 5635.0, 5580.0, 5523.0, 5264.0, 5480.0, 5322.0, 5282.0, 5593.0, 5432.0, 5520.0, 5624.0, 5350.0, 5589.0, 5583.0, 5305.0, 5675.0, 5628.0, 5658.0, 5692.0, 5594.0, 5295.0, 5643.0, 5607.0, 5496.0, 5347.0, 5423.0, 5294.0, 5439.0, 5510.0, 5505.0, 5419.0, 5598.0, 5676.0, 5370.0, 5536.0, 5412.0, 5440.0, 5469.0, 5557.0, 5527.0, 5302.0, 5646.0, 5712.0, 5579.0, 5274.0, 5614.0, 5634.0, 5621.0, 5564.0, 5325.0, 5304.0, 5582.0, 5476.0, 5577.0, 5616.0, 5407.0, 5689.0, 5267.0, 5394.0, 5271.0, 5569.0, 5474.0, 5560.0, 5268.0, 5436.0, 5345.0, 5286.0, 5559.0, 5430.0, 5487.0, 5351.0, 5312.0, 5638.0, 5586.0, 5261.0, 5596.0, 5361.0, 5718.0, 5426.0,

						5685.0, 5526.0, 5668.0, 5688.0, 5330.0, 5403.0, 5299.0, 5674.0, 5567.0, 5693.0, 5669.0, 5297.0 (number of hits: 16)
15	5530.0	9	1.0	333	1	5487.0, 5436.0, 5595.0, 5621.0, 5393.0, 5620.0, 5524.0, 5423.0, 5623.0, 5572.0, 5715.0, 5259.0, 5347.0, 5335.0, 5678.0, 5293.0, 5704.0, 5641.0, 5265.0, 5437.0, 5357.0, 5518.0, 5285.0, 5539.0, 5368.0, 5651.0, 5709.0, 5484.0, 5507.0, 5564.0, 5405.0, 5342.0, 5338.0, 5341.0, 5510.0, 5580.0, 5603.0, 5629.0, 5444.0, 5318.0, 5600.0, 5471.0, 5447.0, 5468.0, 5583.0, 5311.0, 5573.0, 5669.0, 5689.0, 5356.0, 5438.0, 5377.0, 5522.0, 5319.0, 5267.0, 5660.0, 5375.0, 5465.0, 5661.0, 5520.0, 5680.0, 5606.0, 5491.0, 5538.0, 5586.0, 5659.0, 5264.0, 5551.0, 5694.0, 5692.0, 5260.0, 5571.0, 5398.0, 5366.0, 5269.0, 5322.0, 5579.0, 5355.0, 5275.0, 5673.0, 5533.0, 5633.0, 5379.0, 5420.0, 5535.0, 5271.0, 5263.0, 5639.0, 5618.0, 5527.0, 5568.0, 5638.0, 5359.0, 5298.0, 5404.0, 5435.0, 5417.0, 5408.0, 5668.0, 5708.0 (number of hits: 13)
16	5530.0	9	1.0	333	1	5721.0, 5668.0, 5547.0, 5451.0, 5446.0, 5574.0, 5629.0, 5301.0, 5703.0, 5712.0, 5469.0, 5380.0, 5506.0, 5386.0, 5366.0, 5426.0, 5681.0, 5617.0, 5692.0, 5468.0, 5327.0, 5387.0, 5465.0, 5595.0, 5278.0, 5626.0, 5688.0, 5362.0, 5389.0, 5302.0, 5299.0, 5641.0, 5654.0, 5689.0, 5345.0, 5363.0, 5421.0, 5502.0, 5554.0, 5405.0, 5667.0, 5533.0, 5542.0, 5490.0, 5383.0, 5697.0, 5699.0, 5291.0, 5323.0, 5503.0, 5505.0, 5676.0, 5536.0, 5368.0, 5596.0, 5640.0, 5311.0, 5351.0, 5259.0, 5358.0, 5719.0, 5659.0, 5687.0, 5494.0, 5678.0, 5464.0, 5504.0, 5686.0, 5384.0, 5418.0, 5572.0, 5413.0, 5496.0, 5254.0, 5559.0, 5602.0, 5458.0, 5333.0, 5403.0, 5525.0, 5484.0, 5390.0, 5570.0, 5316.0, 5452.0, 5359.0, 5275.0, 5609.0, 5379.0, 5575.0, 5661.0, 5616.0, 5402.0, 5639.0, 5423.0, 5483.0, 5273.0, 5649.0, 5336.0, 5549.0 (number of hits: 15)
17	5530.0	9	1.0	333	1	5651.0, 5275.0, 5256.0, 5609.0, 5493.0, 5414.0, 5283.0, 5575.0, 5406.0, 5514.0, 5478.0, 5285.0, 5301.0, 5564.0, 5418.0, 5604.0, 5374.0, 5674.0, 5692.0, 5523.0, 5270.0, 5558.0, 5713.0, 5460.0, 5606.0, 5681.0, 5442.0, 5702.0, 5517.0, 5345.0, 5554.0, 5317.0, 5437.0, 5443.0, 5673.0, 5325.0, 5597.0, 5645.0, 5721.0, 5370.0, 5449.0, 5625.0, 5408.0, 5503.0, 5268.0, 5361.0, 5656.0, 5543.0, 5337.0, 5319.0, 5376.0, 5438.0, 5378.0, 5338.0, 5633.0, 5344.0, 5351.0, 5646.0, 5289.0, 5568.0, 5684.0, 5293.0, 5722.0, 5398.0, 5292.0, 5700.0, 5534.0, 5488.0, 5714.0, 5658.0, 5339.0, 5340.0, 5605.0, 5453.0, 5380.0, 5423.0, 5565.0, 5389.0, 5300.0, 5615.0, 5649.0, 5266.0, 5311.0, 5504.0, 5395.0, 5281.0, 5521.0, 5411.0, 5551.0, 5709.0, 5509.0, 5399.0, 5392.0, 5608.0, 5294.0, 5675.0, 5617.0, 5377.0, 5661.0, 5315.0 (number of hits: 15)
18	5530.0	9	1.0	333	0	
19	5530.0	9	1.0	333	1	5711.0, 5673.0, 5487.0, 5344.0, 5558.0, 5445.0, 5355.0, 5599.0, 5438.0, 5513.0, 5552.0, 5372.0, 5272.0, 5443.0, 5697.0, 5478.0, 5518.0, 5332.0, 5640.0, 5339.0, 5466.0, 5451.0, 5605.0, 5568.0, 5602.0, 5719.0, 5488.0, 5392.0, 5610.0, 5654.0, 5337.0, 5698.0, 5565.0, 5595.0, 5393.0, 5276.0, 5724.0, 5556.0, 5364.0, 5645.0, 5289.0, 5718.0, 5427.0, 5709.0, 5569.0, 5622.0, 5442.0, 5334.0, 5576.0, 5320.0, 5688.0, 5496.0, 5641.0, 5722.0, 5351.0, 5545.0, 5340.0, 5684.0, 5507.0, 5297.0, 5413.0, 5525.0, 5262.0, 5685.0, 5589.0, 5485.0, 5676.0, 5491.0, 5586.0, 5476.0, 5363.0, 5632.0, 5553.0, 5377.0, 5402.0, 5560.0, 5281.0, 5519.0, 5412.0, 5329.0, 5333.0, 5416.0, 5636.0, 5303.0, 5517.0, 5607.0, 5644.0, 5411.0, 5359.0, 5325.0, 5662.0, 5627.0, 5703.0, 5446.0, 5651.0, 5378.0, 5345.0, 5511.0, 5433.0, 5710.0 (number of hits: 15)
20	5530.0	9	1.0	333	1	5318.0, 5561.0, 5275.0, 5577.0, 5375.0, 5489.0, 5542.0, 5333.0, 5501.0, 5662.0, 5677.0, 5323.0, 5500.0, 5314.0, 5530.0, 5617.0, 5261.0, 5329.0, 5706.0, 5340.0, 5528.0, 5644.0, 5438.0, 5338.0, 5267.0, 5288.0, 5610.0, 5536.0, 5268.0, 5686.0, 5458.0, 5414.0, 5657.0, 5372.0, 5300.0, 5455.0, 5685.0, 5440.0, 5650.0, 5397.0, 5715.0, 5317.0, 5413.0, 5583.0, 5611.0, 5641.0, 5623.0, 5493.0, 5469.0, 5620.0, 5416.0, 5605.0, 5527.0, 5631.0, 5699.0, 5700.0,

						5283.0, 5368.0, 5271.0, 5667.0, 5562.0, 5593.0, 5628.0, 5495.0, 5400.0, 5447.0, 5573.0, 5512.0, 5252.0, 5560.0, 5259.0, 5479.0, 5435.0, 5382.0, 5639.0, 5585.0, 5723.0, 5587.0, 5621.0, 5302.0, 5401.0, 5462.0, 5497.0, 5377.0, 5666.0, 5627.0, 5387.0, 5452.0, 5309.0, 5669.0, 5376.0, 5367.0, 5448.0, 5694.0, 5649.0, 5546.0, 5362.0, 5357.0, 5354.0, 5682.0 (number of hits: 15)
21	5530.0	9	1.0	333	1	5384.0, 5623.0, 5374.0, 5519.0, 5451.0, 5570.0, 5552.0, 5335.0, 5515.0, 5540.0, 5658.0, 5643.0, 5415.0, 5469.0, 5667.0, 5616.0, 5263.0, 5348.0, 5690.0, 5553.0, 5425.0, 5561.0, 5364.0, 5541.0, 5430.0, 5320.0, 5428.0, 5486.0, 5328.0, 5668.0, 5390.0, 5597.0, 5514.0, 5584.0, 5341.0, 5714.0, 5465.0, 5477.0, 5261.0, 5334.0, 5412.0, 5296.0, 5287.0, 5628.0, 5548.0, 5595.0, 5380.0, 5513.0, 5687.0, 5653.0, 5409.0, 5492.0, 5647.0, 5253.0, 5327.0, 5645.0, 5368.0, 5311.0, 5567.0, 5273.0, 5312.0, 5338.0, 5421.0, 5539.0, 5560.0, 5708.0, 5336.0, 5344.0, 5649.0, 5503.0, 5707.0, 5446.0, 5332.0, 5569.0, 5566.0, 5523.0, 5286.0, 5441.0, 5360.0, 5259.0, 5453.0, 5387.0, 5461.0, 5547.0, 5659.0, 5413.0, 5508.0, 5442.0, 5382.0, 5592.0, 5534.0, 5401.0, 5264.0, 5706.0, 5502.0, 5400.0, 5299.0, 5542.0, 5482.0, 5262.0 (number of hits: 22)
22	5530.0	9	1.0	333	1	5605.0, 5390.0, 5350.0, 5614.0, 5317.0, 5552.0, 5518.0, 5650.0, 5555.0, 5564.0, 5495.0, 5649.0, 5352.0, 5295.0, 5348.0, 5301.0, 5522.0, 5489.0, 5651.0, 5609.0, 5282.0, 5576.0, 5280.0, 5587.0, 5443.0, 5486.0, 5676.0, 5394.0, 5459.0, 5380.0, 5267.0, 5412.0, 5612.0, 5599.0, 5433.0, 5515.0, 5292.0, 5481.0, 5277.0, 5351.0, 5572.0, 5722.0, 5684.0, 5692.0, 5263.0, 5391.0, 5395.0, 5484.0, 5562.0, 5283.0, 5602.0, 5715.0, 5695.0, 5719.0, 5250.0, 5270.0, 5303.0, 5470.0, 5483.0, 5510.0, 5367.0, 5674.0, 5720.0, 5505.0, 5346.0, 5705.0, 5388.0, 5627.0, 5507.0, 5536.0, 5713.0, 5316.0, 5302.0, 5467.0, 5279.0, 5537.0, 5294.0, 5424.0, 5573.0, 5349.0, 5694.0, 5365.0, 5686.0, 5321.0, 5444.0, 5698.0, 5323.0, 5611.0, 5630.0, 5383.0, 5417.0, 5716.0, 5621.0, 5406.0, 5710.0, 5670.0, 5330.0, 5286.0, 5574.0, 5556.0 (number of hits: 14)
23	5530.0	9	1.0	333	1	5589.0, 5690.0, 5360.0, 5709.0, 5561.0, 5269.0, 5378.0, 5469.0, 5255.0, 5313.0, 5311.0, 5375.0, 5407.0, 5304.0, 5684.0, 5569.0, 5460.0, 5702.0, 5305.0, 5431.0, 5496.0, 5315.0, 5683.0, 5718.0, 5618.0, 5290.0, 5712.0, 5619.0, 5408.0, 5640.0, 5485.0, 5265.0, 5297.0, 5470.0, 5353.0, 5429.0, 5615.0, 5438.0, 5468.0, 5449.0, 5251.0, 5442.0, 5689.0, 5550.0, 5667.0, 5688.0, 5381.0, 5388.0, 5636.0, 5380.0, 5609.0, 5258.0, 5319.0, 5557.0, 5386.0, 5270.0, 5620.0, 5263.0, 5668.0, 5682.0, 5521.0, 5317.0, 5489.0, 5544.0, 5685.0, 5504.0, 5294.0, 5593.0, 5502.0, 5585.0, 5261.0, 5605.0, 5266.0, 5505.0, 5581.0, 5602.0, 5272.0, 5364.0, 5412.0, 5549.0, 5322.0, 5721.0, 5553.0, 5532.0, 5363.0, 5588.0, 5275.0, 5657.0, 5632.0, 5293.0, 5681.0, 5660.0, 5256.0, 5570.0, 5526.0, 5369.0, 5652.0, 5541.0, 5264.0, 5630.0 (number of hits: 14)
24	5530.0	9	1.0	333	1	5348.0, 5545.0, 5538.0, 5527.0, 5683.0, 5706.0, 5703.0, 5395.0, 5312.0, 5344.0, 5487.0, 5447.0, 5415.0, 5586.0, 5515.0, 5495.0, 5455.0, 5294.0, 5480.0, 5513.0, 5660.0, 5518.0, 5631.0, 5680.0, 5342.0, 5300.0, 5704.0, 5618.0, 5514.0, 5560.0, 5272.0, 5369.0, 5468.0, 5441.0, 5501.0, 5387.0, 5287.0, 5723.0, 5621.0, 5613.0, 5461.0, 5476.0, 5286.0, 5306.0, 5429.0, 5489.0, 5485.0, 5376.0, 5437.0, 5372.0, 5498.0, 5507.0, 5630.0, 5341.0, 5310.0, 5499.0, 5673.0, 5465.0, 5406.0, 5283.0, 5497.0, 5648.0, 5632.0, 5681.0, 5353.0, 5579.0, 5663.0, 5386.0, 5548.0, 5413.0, 5346.0, 5265.0, 5357.0, 5425.0, 5529.0, 5510.0, 5414.0, 5713.0, 5270.0, 5315.0, 5620.0, 5676.0, 5333.0, 5685.0, 5700.0, 5598.0, 5654.0, 5362.0, 5635.0, 5572.0, 5405.0, 5643.0, 5293.0, 5382.0, 5653.0, 5321.0, 5616.0, 5334.0, 5568.0, 5347.0 (number of hits: 17)
25	5530.0	9	1.0	333	1	5475.0, 5616.0, 5500.0, 5361.0, 5359.0, 5559.0, 5543.0, 5462.0, 5586.0, 5597.0, 5664.0, 5524.0, 5598.0, 5281.0, 5526.0, 5673.0, 5679.0, 5693.0, 5717.0, 5512.0, 5376.0, 5449.0, 5626.0, 5627.0, 5579.0, 5711.0, 5676.0, 5697.0, 5505.0, 5467.0, 5662.0, 5667.0,

						5431.0, 5521.0, 5550.0, 5292.0, 5335.0, 5705.0, 5338.0, 5652.0, 5548.0, 5610.0, 5600.0, 5720.0, 5476.0, 5418.0, 5581.0, 5516.0, 5639.0, 5568.0, 5508.0, 5463.0, 5540.0, 5300.0, 5723.0, 5669.0, 5473.0, 5419.0, 5714.0, 5573.0, 5696.0, 5390.0, 5308.0, 5344.0, 5640.0, 5360.0, 5375.0, 5328.0, 5683.0, 5391.0, 5444.0, 5493.0, 5590.0, 5591.0, 5599.0, 5428.0, 5374.0, 5349.0, 5668.0, 5454.0, 5506.0, 5332.0, 5564.0, 5523.0, 5538.0, 5602.0, 5495.0, 5641.0, 5298.0, 5478.0, 5348.0, 5634.0, 5520.0, 5563.0, 5529.0, 5309.0, 5584.0, 5441.0, 5263.0, 5681.0 (number of hits: 22)
26	5530.0	9	1.0	333	1	5613.0, 5466.0, 5499.0, 5415.0, 5691.0, 5387.0, 5478.0, 5645.0, 5266.0, 5420.0, 5257.0, 5418.0, 5619.0, 5712.0, 5685.0, 5697.0, 5690.0, 5291.0, 5290.0, 5368.0, 5403.0, 5333.0, 5687.0, 5546.0, 5607.0, 5425.0, 5355.0, 5446.0, 5296.0, 5597.0, 5322.0, 5465.0, 5599.0, 5336.0, 5396.0, 5282.0, 5299.0, 5298.0, 5511.0, 5563.0, 5614.0, 5477.0, 5615.0, 5331.0, 5306.0, 5548.0, 5433.0, 5437.0, 5413.0, 5432.0, 5714.0, 5459.0, 5703.0, 5484.0, 5672.0, 5664.0, 5302.0, 5693.0, 5316.0, 5388.0, 5392.0, 5279.0, 5661.0, 5688.0, 5401.0, 5452.0, 5273.0, 5390.0, 5384.0, 5325.0, 5572.0, 5552.0, 5476.0, 5315.0, 5258.0, 5581.0, 5488.0, 5448.0, 5487.0, 5666.0, 5326.0, 5468.0, 5710.0, 5261.0, 5702.0, 5692.0, 5683.0, 5633.0, 5513.0, 5534.0, 5349.0, 5364.0, 5426.0, 5720.0, 5573.0, 5555.0, 5570.0, 5606.0, 5391.0, 5520.0 (number of hits: 10)
27	5530.0	9	1.0	333	1	5535.0, 5402.0, 5630.0, 5253.0, 5431.0, 5388.0, 5499.0, 5646.0, 5466.0, 5534.0, 5487.0, 5305.0, 5623.0, 5601.0, 5260.0, 5598.0, 5639.0, 5633.0, 5318.0, 5264.0, 5369.0, 5437.0, 5404.0, 5336.0, 5293.0, 5411.0, 5301.0, 5692.0, 5364.0, 5707.0, 5341.0, 5536.0, 5355.0, 5552.0, 5483.0, 5663.0, 5704.0, 5557.0, 5518.0, 5650.0, 5616.0, 5450.0, 5383.0, 5366.0, 5367.0, 5551.0, 5572.0, 5618.0, 5576.0, 5720.0, 5683.0, 5509.0, 5315.0, 5440.0, 5539.0, 5365.0, 5544.0, 5329.0, 5543.0, 5709.0, 5712.0, 5279.0, 5360.0, 5382.0, 5608.0, 5359.0, 5374.0, 5356.0, 5461.0, 5573.0, 5631.0, 5526.0, 5467.0, 5585.0, 5545.0, 5622.0, 5310.0, 5254.0, 5525.0, 5362.0, 5538.0, 5420.0, 5476.0, 5480.0, 5465.0, 5719.0, 5288.0, 5559.0, 5548.0, 5432.0, 5391.0, 5606.0, 5531.0, 5653.0, 5415.0, 5453.0, 5297.0, 5698.0, 5635.0, 5629.0 (number of hits: 19)
28	5530.0	9	1.0	333	1	5705.0, 5284.0, 5472.0, 5437.0, 5365.0, 5640.0, 5636.0, 5577.0, 5572.0, 5262.0, 5688.0, 5722.0, 5703.0, 5571.0, 5466.0, 5260.0, 5346.0, 5331.0, 5296.0, 5387.0, 5318.0, 5268.0, 5454.0, 5653.0, 5338.0, 5607.0, 5386.0, 5364.0, 5558.0, 5455.0, 5634.0, 5463.0, 5563.0, 5713.0, 5578.0, 5470.0, 5274.0, 5509.0, 5500.0, 5413.0, 5366.0, 5586.0, 5520.0, 5451.0, 5381.0, 5488.0, 5681.0, 5277.0, 5478.0, 5259.0, 5666.0, 5392.0, 5512.0, 5334.0, 5620.0, 5316.0, 5441.0, 5627.0, 5370.0, 5576.0, 5426.0, 5594.0, 5615.0, 5630.0, 5315.0, 5255.0, 5332.0, 5409.0, 5446.0, 5639.0, 5485.0, 5456.0, 5269.0, 5337.0, 5378.0, 5513.0, 5591.0, 5702.0, 5461.0, 5410.0, 5658.0, 5536.0, 5299.0, 5600.0, 5279.0, 5507.0, 5505.0, 5367.0, 5401.0, 5623.0, 5398.0, 5305.0, 5490.0, 5476.0, 5704.0, 5445.0, 5679.0, 5288.0, 5581.0, 5278.0 (number of hits: 10)
29	5530.0	9	1.0	333	1	5599.0, 5475.0, 5632.0, 5668.0, 5365.0, 5406.0, 5545.0, 5362.0, 5505.0, 5411.0, 5277.0, 5263.0, 5514.0, 5572.0, 5420.0, 5424.0, 5345.0, 5506.0, 5280.0, 5255.0, 5597.0, 5677.0, 5497.0, 5393.0, 5525.0, 5462.0, 5353.0, 5309.0, 5341.0, 5635.0, 5273.0, 5427.0, 5472.0, 5443.0, 5315.0, 5394.0, 5469.0, 5366.0, 5317.0, 5675.0, 5292.0, 5544.0, 5571.0, 5524.0, 5511.0, 5325.0, 5515.0, 5372.0, 5528.0, 5611.0, 5578.0, 5399.0, 5316.0, 5693.0, 5410.0, 5522.0, 5685.0, 5457.0, 5499.0, 5684.0, 5398.0, 5407.0, 5607.0, 5278.0, 5358.0, 5537.0, 5692.0, 5634.0, 5508.0, 5566.0, 5286.0, 5588.0, 5446.0, 5403.0, 5565.0, 5262.0, 5455.0, 5250.0, 5363.0, 5408.0, 5346.0, 5547.0, 5435.0, 5627.0, 5558.0, 5268.0, 5373.0, 5396.0, 5392.0, 5542.0, 5474.0, 5252.0, 5666.0, 5327.0, 5689.0, 5500.0, 5722.0, 5661.0, 5284.0, 5468.0 (number of hits: 21)
30	5530.0	9	1.0	333	1	5712.0, 5492.0, 5500.0, 5383.0, 5320.0, 5705.0, 5463.0, 5316.0,

						5591.0, 5502.0, 5574.0, 5398.0, 5436.0, 5370.0, 5470.0, 5367.0, 5551.0, 5428.0, 5314.0, 5696.0, 5471.0, 5581.0, 5687.0, 5537.0, 5333.0, 5363.0, 5484.0, 5595.0, 5624.0, 5344.0, 5626.0, 5298.0, 5346.0, 5659.0, 5674.0, 5419.0, 5351.0, 5498.0, 5264.0, 5301.0, 5507.0, 5433.0, 5557.0, 5635.0, 5490.0, 5547.0, 5326.0, 5522.0, 5633.0, 5385.0, 5270.0, 5435.0, 5702.0, 5521.0, 5619.0, 5648.0, 5720.0, 5275.0, 5677.0, 5271.0, 5604.0, 5391.0, 5400.0, 5396.0, 5287.0, 5613.0, 5553.0, 5485.0, 5281.0, 5504.0, 5616.0, 5636.0, 5607.0, 5426.0, 5469.0, 5304.0, 5587.0, 5388.0, 5545.0, 5387.0, 5684.0, 5430.0, 5707.0, 5573.0, 5268.0, 5605.0, 5576.0, 5691.0, 5614.0, 5603.0, 5361.0, 5349.0, 5709.0, 5608.0, 5527.0, 5489.0, 5434.0, 5680.0, 5293.0, 5615.0 (number of hits: 15)

AP Mode
Pine Radio

5570 MHz, 160 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	87.5 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	58	1.0	918	1
2	89	1.0	598	1
3	59	1.0	898	1
4	68	1.0	778	1
5	67	1.0	798	1
6	92	1.0	578	1
7	95	1.0	558	1
8	74	1.0	718	0
9	70	1.0	758	1
10	102	1.0	518	1
11	63	1.0	838	1
12	62	1.0	858	1
13	61	1.0	878	1
14	72	1.0	738	1
15	76	1.0	698	1
1	49	1.0	1093	1
2	20	1.0	2665	1
3	28	1.0	1948	1
4	21	1.0	2576	1
5	23	1.0	2394	1
6	33	1.0	1629	1
7	45	1.0	1173	1
8	19	1.0	2813	1
9	35	1.0	1546	1
10	50	1.0	1065	1
11	24	1.0	2215	1
12	57	1.0	939	1
13	23	1.0	2368	1
14	24	1.0	2281	1
15	20	1.0	2777	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	27	3.7	182	1
2	26	4.4	182	1
3	25	4.7	217	1
4	28	4.7	190	1
5	28	4.5	205	1
6	28	1.2	158	1
7	29	2.1	154	1
8	28	1.3	220	1
9	26	2.4	171	1
10	28	4.8	159	1
11	29	1.6	205	1
12	28	1.7	166	1
13	25	2.5	204	1
14	28	4.2	174	1
15	24	3.9	184	1
16	24	2.0	153	1
17	25	4.7	155	0
18	28	2.8	197	1
19	23	2.1	196	1
20	26	4.9	173	0
21	28	2.2	193	1
22	29	1.2	169	0
23	23	4.2	191	1
24	27	4.4	159	1
25	25	3.6	207	1
26	25	3.0	170	1
27	28	3.1	196	1
28	25	1.2	187	1
29	28	4.1	155	1
30	26	3.0	157	1
Detection Percentage: 90 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	7.4	258	0
2	16	9.2	428	1
3	16	7.3	279	1
4	18	6.9	219	1
5	17	7.4	404	1
6	16	7.3	355	0
7	17	6.1	310	1
8	16	6.6	240	1
9	18	9.3	498	1
10	17	6.7	303	1
11	17	9.8	352	1
12	17	7.0	428	1
13	18	8.3	219	1
14	18	9.0	335	0
15	18	6.1	289	1
16	18	8.6	395	1
17	16	6.9	289	0
18	16	9.9	375	1
19	17	9.2	433	1
20	17	8.5	488	1
21	17	8.8	356	1
22	18	6.5	388	1
23	18	6.3	341	1
24	16	7.4	276	1
25	17	9.4	220	1
26	16	7.4	208	1
27	16	7.5	362	1
28	16	6.0	309	0
29	18	7.1	289	1
30	18	8.6	239	1
Detection Percentage: 83.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	15.1	373	1
2	12	15.6	207	0
3	13	14.3	397	1
4	14	13.3	256	1
5	15	19.4	473	1
6	12	11.4	201	1
7	15	13.0	453	1
8	16	19.2	493	1
9	15	14.8	220	1
10	15	16.1	342	1
11	13	18.9	460	1
12	16	17.7	209	0
13	15	17.1	344	1
14	15	14.3	342	1
15	14	15.7	224	1
16	15	14.9	309	0
17	16	15.2	413	1
18	14	14.4	422	0
19	13	11.3	385	1
20	12	17.1	227	1
21	15	18.3	373	1
22	14	14.2	400	0
23	15	15.5	410	1
24	12	16.7	215	1
25	16	11.9	483	1
26	13	13.2	225	1
27	13	11.3	284	1
28	14	13.9	484	0
29	13	16.7	316	1
30	12	18.9	419	1
Detection Percentage: 80 % (>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	1
7	5570	1
8	5570	1
9	5570	1
10	5570	1
11	5500.1	1
12	5497.7	1
13	5500.1	1
14	5495.7	1
15	5498.1	1
16	5500.1	1
17	5496.1	1
18	5494.9	1
19	5499.7	1
20	5498.5	1
21	5642.7	1
22	5640.7	1
23	5643.1	1
24	5639.5	1
25	5643.1	1
26	5642.3	1
27	5644.3	1
28	5643.9	1
29	5642.3	1
30	5645.1	1
Detection Percentage: 100 % (>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	6	89.1	1483		0.511037	
1	2	6	91.9	1602		0.844270	
2	1	6	62.9			1.574033	
3	2	6	73.1	1558		2.125472	
4	2	6	61.8	1777		2.608816	
5	1	6	82.8			3.056418	
6	2	6	88.8	1271		4.074961	
7	1	6	74.9			4.484684	
8	1	6	69.9			5.058344	
9	2	6	75.5	1395		5.951574	
10	1	6	75.2			6.037660	1
11	3	6	79.1	1872	1828	7.138527	
12	2	6	73.2	1075		7.590433	
13	2	6	54.3	1337		7.914198	
14	2	6	87.9	1369		8.860195	
15	1	6	67.0			9.191439	
16	1	6	70.1			9.989088	
17	2	6	57.7	1773		10.268650	
18	2	6	91.7	1578		11.015163	
19	3	6	52.1	1807	1994	11.429127	

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	88.3	1632		0.108841	
1	2	10	71.7	1797		0.932828	
2	3	10	84.9	1791	1261	1.899418	
3	2	10	64.1	1066		2.924064	
4	3	10	79.7	1374	1358	3.367389	
5	3	10	52.5	1329	1221	4.610745	
6	3	10	95.1	1641	1355	5.084255	
7	2	10	79.7	1286		6.010327	1
8	2	10	85.3	1930		7.066084	
9	1	10	67.8			7.384425	
10	1	10	54.0			8.373484	
11	3	10	51.4	1568	1054	9.503343	
12	2	10	82.2	1382		10.003050	
13	2	10	61.0	1256		10.435265	
14	2	10	68.6	1559		11.500712	

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	12	99.1			0.248873	
1	2	12	92.6	1248		0.762164	
2	1	12	54.1			1.639853	
3	2	12	86.5	1462		2.088190	
4	2	12	97.6	1850		2.749012	
5	1	12	73.1			3.610338	
6	2	12	91.7	1836		4.293415	
7	2	12	72.5	1723		4.756415	
8	3	12	85.4	1095	1965	5.110166	
9	2	12	57.6	1505		5.881612	1
10	1	12	84.8			6.429938	
11	2	12	97.2	1933		7.329313	
12	1	12	86.1			8.180781	
13	2	12	78.4	1399		8.284338	
14	1	12	75.8			9.101010	
15	2	12	62.4	1359		9.885413	
16	1	12	66.8			10.531888	
17	1	12	88.9			11.190795	
18	2	12	53.9	1342		11.534929	

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	7	58.4			0.437753	
1	1	7	98.1			1.146897	
2	2	7	69.5	1811		1.874258	
3	2	7	68.3	1966		1.912086	
4	3	7	53.9	1966	1508	2.872283	
5	1	7	74.1			3.496570	
6	2	7	80.8	1129		3.917468	
7	2	7	68.8	1215		4.554289	
8	3	7	86.1	1361	1549	5.333604	
9	2	7	55.4	1964		6.086181	1
10	2	7	56.4	1010		6.938956	
11	3	7	90.6	1813	1996	7.086757	
12	3	7	83.1	1984	1791	7.617382	
13	3	7	60.4	1100	1970	8.636510	
14	1	7	72.0			9.027866	
15	1	7	80.9			10.000781	
16	2	7	68.6	1956		10.271944	
17	2	7	74.5	1752		11.022288	
18	3	7	56.2	1598	1973	11.585906	

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	1	9	68.9			0.063029	1
1	3	9	88.8	1194	1771	1.259817	
2	3	9	85.8	1156	1956	2.294065	
3	3	9	54.5	1344	1086	3.678060	
4	1	9	71.8			4.194579	
5	2	9	72.3	1236		5.453051	
6	2	9	53.8	1311		5.901276	
7	2	9	71.2	1906		6.874301	
8	3	9	63.8	1897	1150	7.638495	
9	1	9	73.8			8.722028	
10	1	9	68.3			9.526805	
11	3	9	89.9	1125	1984	10.182088	
12	2	9	93.3	1797		11.867940	

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	55.8	1964		0.629910	1
1	1	9	86.1			1.021894	
2	1	9	94.4			2.596160	
3	3	9	62.9	1769	1128	3.376334	
4	2	9	69.2	1650		4.859677	
5	2	9	87.7	1676		5.113225	
6	1	9	76.7			6.343516	
7	1	9	74.2			7.470064	
8	3	9	91.1	1715	1170	8.795368	
9	2	9	77.3	1880		9.266476	
10	1	9	71.7			10.902606	
11	2	9	89.5	1264		11.830273	

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	11	70.6	1429		0.598613	1
1	2	11	84.3	1457		2.111637	
2	3	11	55.2	1319	1660	3.296948	
3	1	11	53.8			4.744747	
4	2	11	78.9	1093		5.898452	
5	2	11	91.5	1724		6.723688	
6	1	11	50.1			7.712240	
7	1	11	79.2			8.990912	
8	2	11	78.8	1420		10.730455	
9	1	11	70.2			11.121881	

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	3	14	51.6	1816	1267	0.373938	1
1	2	14	70.1	1230		1.311913	
2	3	14	87.3	1844	1922	1.981470	
3	3	14	93.2	1240	1544	2.430725	
4	1	14	69.4			3.358275	
5	3	14	66.4	1194	1743	3.556338	
6	2	14	55.3	1066		4.478731	
7	2	14	83.7	1710		5.467954	
8	2	14	79.9	1444		6.148846	
9	1	14	99.1			6.497418	
10	1	14	72.9			7.207207	
11	2	14	75.1	1143		8.216081	
12	1	14	70.9			8.939128	
13	2	14	76.7	1496		9.420736	
14	1	14	82.7			10.076037	
15	2	14	50.2	1825		10.795034	
16	2	14	86.0	1424		11.856549	

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	14	82.7			0.223894	1
1	1	14	68.9			1.232555	
2	3	14	59.6	1681	1703	1.871340	
3	2	14	74.4	1166		2.215107	
4	2	14	51.6	1558		2.993909	
5	2	14	68.5	1572		3.991690	
6	2	14	77.3	1256		4.233086	
7	1	14	96.4			4.889549	
8	1	14	73.3			5.912575	
9	2	14	99.7	1920		6.339070	
10	2	14	71.4	1394		7.215110	
11	2	14	61.1	1293		7.599602	
12	3	14	58.3	1288	1334	8.107193	
13	1	14	64.3			8.797089	
14	1	14	84.0			9.772878	
15	2	14	57.0	1735		10.005245	
16	1	14	64.4			11.123512	
17	1	14	83.4			11.624359	

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	6	89.1	1331		0.175553	1
1	2	6	82.4	1374		0.800818	
2	3	6	53.2	1894	1055	1.434263	
3	2	6	89.8	1428		1.960104	
4	1	6	84.7			2.940211	
5	3	6	64.1	1555	1358	3.728291	
6	2	6	67.2	1899		4.261926	
7	1	6	71.2			4.969665	
8	2	6	72.4	1207		5.621446	
9	2	6	88.0	1989		5.722876	
10	3	6	50.5	1631	1207	6.752730	
11	2	6	94.1	1975		7.452195	
12	1	6	84.2			7.966540	
13	2	6	62.7	1227		8.653083	
14	2	6	80.6	1380		9.092120	
15	3	6	72.0	1312	1322	9.623412	
16	2	6	63.0	1288		10.666011	
17	2	6	89.8	1312		11.080274	

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	66.4			0.361875	
1	2	19	58.6	1021		1.657639	
2	2	19	69.2	1628		1.947667	
3	2	19	56.8	1410		3.371094	
4	2	19	83.2	1564		3.747572	
5	2	19	62.5	1869		5.176470	
6	2	19	51.6	1951		5.568090	1
7	1	19	80.8			7.212795	
8	2	19	93.8	1563		8.067508	
9	2	19	88.1	1230		8.453607	
10	2	19	56.3	1220		9.741008	
11	2	19	75.7	1296		10.912225	
12	2	19	52.2	1955		11.108868	

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	13	60.3	1965	1656	0.230359	
1	2	13	82.7	1928		1.672111	
2	1	13	71.4			2.640001	
3	2	13	87.5	1142		3.213575	
4	1	13	74.8			4.059580	
5	2	13	65.7	1216		5.045941	
6	3	13	77.5	1989	1585	6.596232	1
7	1	13	73.0			7.486554	
8	3	13	65.6	1123	1406	8.223544	
9	1	13	88.6			9.889373	
10	2	13	71.8	1331		10.720567	
11	1	13	62.8			11.314721	

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	19	55.5	1307		0.542749	
1	2	19	56.9	1662		0.884183	
2	1	19	79.4			1.697447	
3	3	19	99.6	1876	1013	2.333741	
4	1	19	64.0			2.972966	
5	1	19	99.7			3.909772	
6	3	19	97.0	1386	1247	4.101727	
7	2	19	50.4	1900		5.222685	
8	1	19	83.7			5.853954	1
9	1	19	56.3			6.110345	
10	3	19	68.3	1512	1090	6.998212	
11	2	19	59.2	1935		7.537042	
12	3	19	59.7	1760	1347	8.590941	
13	1	19	93.6			8.667161	
14	2	19	73.4	1926		9.603532	
15	1	19	77.3			10.174065	
16	2	19	90.9	1448		11.061813	
17	2	19	62.4	1315		11.693947	

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	8	54.9	1551		0.530170	
1	2	8	69.4	1851		1.167487	
2	2	8	51.2	1272		3.267606	
3	3	8	80.0	1974	1703	3.430401	
4	1	8	71.9			5.365039	
5	1	8	72.7			6.065379	
6	2	8	52.1	1963		7.381367	1
7	2	8	89.7	1671		8.428371	
8	3	8	74.3	1918	1975	9.177680	
9	2	8	50.9	1520		9.895895	
10	2	8	74.1	1829		11.143835	
0	2	8	54.9	1551		0.530170	

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	2	14	88.1	1478		0.625006	1
1	3	14	88.5	1559	1025	1.612179	
2	3	14	64.3	1773	1823	3.296464	
3	2	14	66.5	1481		3.765943	
4	2	14	72.5	1204		5.261139	
5	1	14	88.9			6.468767	
6	2	14	95.8	1804		8.088177	
7	1	14	70.4			9.203538	
8	2	14	51.0	1934		10.742821	
9	2	14	64.0	1767		11.972746	

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	19	96.3			0.252327	1
1	2	19	75.0	1924		1.070925	
2	2	19	65.9	1061		1.866861	
3	1	19	62.6			2.239164	
4	2	19	98.0	1868		3.344560	
5	2	19	67.6	1256		3.682183	
6	1	19	62.8			4.803274	
7	2	19	73.1	1144		5.205206	
8	2	19	99.6	1592		5.769667	
9	2	19	96.0	1132		6.792958	
10	1	19	82.5			7.280724	
11	3	19	82.2	1939	1305	7.814921	
12	3	19	70.7	1452	1075	8.894561	
13	1	19	83.2			9.467959	
14	3	19	59.1	1158	1385	10.186599	

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	9	88.6	1111		0.233733	
1	2	9	65.2	1687		0.720440	
2	3	9	57.2	1308	1253	2.077883	
3	2	9	66.6	1594		2.745224	
4	2	9	52.4	1593		3.095215	
5	3	9	98.1	1922	1749	4.090239	
6	3	9	92.4	1687	1989	4.296260	
7	3	9	79.9	1882	1706	5.176710	
8	2	9	67.0	1924		6.192518	
9	3	9	88.6	1476	1874	6.927387	1
10	2	9	58.5	1212		7.461699	
11	2	9	98.7	1661		8.237512	
12	2	9	76.2	1142		8.970961	
13	1	9	63.8			9.426975	
14	1	9	79.1			10.216718	
15	2	9	89.7	1158		11.139627	
16	2	9	75.0	1424		11.645958	
0	2	9	88.6	1111		0.233733	
1	2	9	65.2	1687		0.720440	

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	6	55.7	1986		0.195706	
1	2	6	50.9	1627		1.708714	
2	3	6	69.7	1839	1047	2.089184	
3	2	6	60.7	1529		3.876879	
4	3	6	75.5	1224	1297	4.576774	
5	2	6	95.9	1749		5.749666	1
6	2	6	97.9	1165		6.804907	
7	2	6	93.6	1155		7.933263	
8	3	6	75.3	1327	1087	8.656085	
9	1	6	79.7			9.215328	
10	1	6	75.4			10.920805	
11	2	6	90.0	1230		11.137028	

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	18	79.3			0.812896	1
1	3	18	84.4	1903	1779	1.203856	
2	3	18	78.5	1626	1975	1.734271	
3	3	18	71.0	1198	1539	3.387049	
4	2	18	92.2	1122		4.001674	
5	3	18	73.1	1840	1890	4.459432	
6	3	18	63.7	1124	1077	5.232885	
7	3	18	67.8	1936	1859	6.590930	
8	1	18	80.2			7.273213	
9	1	18	97.1			8.090120	
10	3	18	87.5	1378	1196	9.264971	
11	3	18	75.4	1679	1013	10.063195	
12	2	18	59.0	1310		10.456629	
13	2	18	70.4	1357		11.774075	

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	57.4	1038		0.032533	1
1	2	15	55.5	1601		0.977669	
2	2	15	92.3	1974		2.235994	
3	3	15	50.4	1968	1626	3.587162	
4	2	15	68.1	1282		3.713151	
5	3	15	78.5	1365	1317	5.213296	
6	2	15	90.0	1904		6.201244	
7	3	15	72.4	1472	1693	6.593887	
8	1	15	50.9			7.973150	
9	1	15	61.0			8.983110	
10	2	15	50.1	1828		9.568855	
11	2	15	96.9	1742		10.597998	
12	2	15	84.3	1368		11.367393	

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	12	57.0			0.262264	1
1	1	12	70.2			0.822219	
2	1	12	95.6			1.565823	
3	2	12	94.3	1759		2.281033	
4	2	12	96.5	1222		2.694070	
5	2	12	82.2	1502		3.604759	
6	2	12	62.9	1731		4.515793	
7	1	12	80.2			4.902588	
8	1	12	92.6			5.782339	
9	3	12	66.4	1400	1990	6.159003	
10	2	12	96.4	1037		6.697389	
11	2	12	80.4	1509		7.657776	
12	1	12	74.4			8.285973	
13	3	12	77.8	1017	1843	8.750018	
14	2	12	60.9	1918		9.823974	
15	2	12	76.5	1842		10.174538	
16	3	12	60.6	1394	1176	11.075487	
17	2	12	72.4	1373		11.854640	

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	17	70.0			0.762433	1
1	2	17	56.4	1928		1.194868	
2	2	17	79.7	1173		2.511050	
3	3	17	61.4	1218	1321	3.565927	
4	3	17	88.0	1588	1048	4.516739	
5	2	17	59.6	1299		5.755979	
6	3	17	75.2	1769	1405	6.559563	
7	1	17	82.7			7.389151	
8	2	17	56.4	1785		8.810178	
9	2	17	95.1	1286		9.201047	
10	1	17	71.0			10.706799	
11	2	17	90.7	1738		11.142527	

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	11	53.3	1006		0.577617	1
1	2	11	72.0	1336		0.965290	
2	2	11	86.6	1106		1.909200	
3	2	11	87.6	1593		2.916547	
4	1	11	71.0			3.480289	
5	1	11	89.3			3.795784	
6	2	11	62.1	1292		5.165856	
7	3	11	88.8	1577	1974	5.968317	
8	3	11	92.5	1959	1293	6.466560	
9	2	11	82.5	1146		7.143107	
10	2	11	87.9	1520		7.814234	
11	2	11	75.3	1488		8.775444	
12	2	11	67.4	1663		9.045048	
13	2	11	58.0	1960		9.754844	
14	3	11	90.8	1930	1962	10.932705	
15	1	11	71.3			11.886745	

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	20	74.1	1305		0.681093	
1	2	20	78.2	1520		0.933918	
2	3	20	95.8	1783	1398	1.628050	
3	2	20	96.4	1866		2.510172	
4	1	20	62.0			3.620247	
5	2	20	91.7	1856		4.735969	
6	2	20	95.8	1244		5.593521	
7	3	20	81.3	1606	1147	5.686425	1
8	2	20	84.0	1899		7.159708	
9	1	20	89.7			7.936480	
10	2	20	82.0	1142		8.598349	
11	2	20	81.6	1827		9.406610	
12	2	20	86.9	1128		10.081225	
13	2	20	74.8	1061		10.503505	
14	1	20	75.8			11.525557	

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	11	53.3	1358		0.600529	
1	1	11	59.8			1.665142	
2	3	11	68.6	1341	1285	3.512939	
3	3	11	64.5	1506	1705	4.840471	
4	2	11	89.9	1823		5.449014	1
5	2	11	61.7	1093		7.034623	
6	2	11	79.7	1489		8.682451	
7	1	11	95.2			10.229716	
8	2	11	65.6	1257		11.973546	

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	13	74.1	1520		0.073590	1
1	2	13	53.1	1826		1.790385	
2	1	13	79.7			2.577227	
3	1	13	84.4			4.523402	
4	1	13	81.5			5.074418	
5	1	13	82.0			6.844943	
6	1	13	86.1			7.511290	
7	2	13	75.6	1475		8.657526	
8	2	13	52.8	1162		9.765535	
9	1	13	77.3			11.620931	

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	8	61.8	1454		0.516045	1
1	2	8	50.6	1102		1.288244	
2	1	8	65.9			1.666020	
3	2	8	77.0	1980		2.982089	
4	2	8	58.6	1574		3.447628	
5	1	8	79.3			4.125056	
6	1	8	55.0			4.682801	
7	2	8	53.7	1442		5.347163	
8	3	8	69.2	1017	1048	6.572125	
9	2	8	50.8	1470		6.818731	
10	2	8	82.7	1552		8.088169	
11	2	8	66.5	1096		8.769439	
12	3	8	90.5	1175	1065	9.121214	
13	3	8	75.7	1265	1958	9.755338	
14	1	8	90.7			10.585981	
15	3	8	97.8	1399	1547	11.762437	

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	9	82.5	1677		0.275278	1
1	2	9	95.8	1861		0.957932	
2	2	9	96.9	1889		1.675946	
3	3	9	90.6	1389	1408	2.136365	
4	2	9	79.8	1495		2.693218	
5	3	9	85.5	1559	1347	3.602696	
6	3	9	94.6	1011	1542	4.189668	
7	3	9	98.6	1722	1248	4.796495	
8	2	9	56.9	1282		5.919987	
9	2	9	86.0	1113		6.635078	
10	2	9	79.0	1781		7.217594	
11	3	9	81.2	1444	1672	7.918895	
12	3	9	61.7	1607	1837	8.259807	
13	3	9	97.4	1491	1712	9.169385	
14	2	9	77.1	1121		9.847963	
15	3	9	87.4	1767	1402	10.025743	
16	2	9	80.0	1558		11.185190	
17	3	9	70.1	1428	1763	11.962851	

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	60.4	1084		0.074953	1
1	2	13	88.1	1261		1.099761	
2	3	13	76.0	1112	1168	1.663697	
3	2	13	99.5	1681		2.416917	
4	1	13	51.0			2.728575	
5	3	13	59.4	1589	1765	3.721154	
6	1	13	80.0			4.541501	
7	3	13	53.0	1544	1994	4.943882	
8	1	13	65.1			5.375567	
9	1	13	55.2			6.405327	
10	3	13	89.1	1047	1345	7.143989	
11	1	13	87.9			7.673168	
12	1	13	70.3			8.103668	
13	2	13	50.5	1309		9.304089	
14	2	13	85.5	1410		9.557029	
15	2	13	53.0	1026		10.249155	
16	3	13	58.7	1280	1953	10.934616	
17	2	13	69.0	1877		11.994455	

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	6	71.8			0.278003	1
1	2	6	58.6	1107		1.044449	
2	2	6	89.7	1317		2.453710	
3	1	6	81.3			2.909127	
4	3	6	56.5	1243	1898	4.170053	
5	2	6	57.5	1401		4.968753	
6	1	6	78.6			5.878889	
7	1	6	93.0			6.772662	
8	2	6	72.3	1488		7.234746	
9	2	6	65.2	1475		7.903098	
10	3	6	95.2	1080	1442	8.818847	
11	2	6	57.6	1288		9.931425	
12	3	6	50.5	1285	1487	10.762473	
13	2	6	77.7	1609		11.739930	

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	5570.0	9	1.0	333	1	5428.0, 5559.0, 5675.0, 5553.0, 5628.0, 5614.0, 5347.0, 5341.0, 5687.0, 5592.0, 5677.0, 5517.0, 5343.0, 5299.0, 5336.0, 5484.0, 5411.0, 5703.0, 5477.0, 5494.0, 5710.0, 5695.0, 5387.0, 5493.0, 5538.0, 5676.0, 5651.0, 5253.0, 5510.0, 5540.0, 5589.0, 5255.0, 5601.0, 5384.0, 5266.0, 5270.0, 5550.0, 5458.0, 5620.0, 5681.0, 5423.0, 5504.0, 5716.0, 5525.0, 5646.0, 5291.0, 5547.0, 5316.0, 5400.0, 5329.0, 5554.0, 5526.0, 5267.0, 5334.0, 5678.0, 5498.0, 5539.0, 5569.0, 5644.0, 5656.0, 5372.0, 5546.0, 5549.0, 5287.0, 5606.0, 5572.0, 5335.0, 5453.0, 5666.0, 5633.0, 5388.0, 5327.0, 5378.0, 5281.0, 5358.0, 5598.0, 5608.0, 5433.0, 5294.0, 5421.0, 5360.0, 5350.0, 5367.0, 5618.0, 5706.0, 5649.0, 5305.0, 5640.0, 5609.0, 5643.0, 5435.0, 5295.0, 5349.0, 5465.0, 5479.0, 5602.0, 5634.0, 5417.0, 5293.0, 5369.0 (number of hits: 38)
2	5570.0	9	1.0	333	1	5284.0, 5435.0, 5330.0, 5371.0, 5647.0, 5492.0, 5277.0, 5292.0, 5618.0, 5531.0, 5458.0, 5624.0, 5685.0, 5582.0, 5465.0, 5602.0, 5579.0, 5557.0, 5558.0, 5693.0, 5338.0, 5570.0, 5357.0, 5257.0, 5551.0, 5715.0, 5440.0, 5632.0, 5380.0, 5569.0, 5625.0, 5544.0, 5573.0, 5468.0, 5421.0, 5271.0, 5391.0, 5318.0, 5571.0, 5545.0, 5705.0, 5311.0, 5376.0, 5543.0, 5702.0, 5603.0, 5527.0, 5496.0, 5549.0, 5641.0, 5562.0, 5300.0, 5703.0, 5260.0, 5566.0, 5276.0, 5327.0, 5668.0, 5375.0, 5536.0, 5474.0, 5447.0, 5619.0, 5432.0, 5434.0, 5288.0, 5651.0, 5495.0, 5594.0, 5655.0, 5568.0, 5328.0, 5460.0, 5712.0, 5524.0, 5626.0, 5596.0, 5667.0, 5671.0, 5588.0, 5485.0, 5519.0, 5535.0, 5433.0, 5305.0, 5555.0, 5443.0, 5637.0, 5261.0, 5441.0, 5423.0, 5512.0, 5303.0, 5542.0, 5428.0, 5589.0, 5503.0, 5308.0, 5614.0, 5607.0 (number of hits: 46)
3	5570.0	9	1.0	333	1	5317.0, 5685.0, 5517.0, 5721.0, 5610.0, 5443.0, 5588.0, 5265.0, 5276.0, 5461.0, 5641.0, 5698.0, 5255.0, 5387.0, 5577.0, 5515.0, 5542.0, 5488.0, 5722.0, 5496.0, 5382.0, 5407.0, 5680.0, 5373.0, 5376.0, 5335.0, 5332.0, 5621.0, 5550.0, 5637.0, 5381.0, 5415.0, 5378.0, 5323.0, 5312.0, 5658.0, 5673.0, 5457.0, 5599.0, 5262.0, 5393.0, 5394.0, 5389.0, 5660.0, 5575.0, 5363.0, 5693.0, 5318.0, 5687.0, 5705.0, 5435.0, 5279.0, 5253.0, 5321.0, 5569.0, 5490.0, 5445.0, 5647.0, 5545.0, 5338.0, 5481.0, 5432.0, 5384.0, 5260.0, 5581.0, 5586.0, 5611.0, 5643.0, 5650.0, 5552.0, 5314.0, 5283.0, 5450.0, 5261.0, 5701.0, 5580.0, 5423.0, 5408.0, 5362.0, 5388.0, 5480.0, 5360.0, 5612.0, 5635.0, 5699.0, 5661.0, 5374.0, 5560.0, 5655.0, 5446.0, 5596.0, 5574.0, 5274.0, 5367.0, 5344.0, 5290.0, 5278.0, 5626.0, 5346.0, 5695.0 (number of hits: 28)
4	5570.0	9	1.0	333	1	5485.0, 5634.0, 5448.0, 5422.0, 5570.0, 5653.0, 5412.0, 5459.0, 5699.0, 5384.0, 5442.0, 5356.0, 5703.0, 5444.0, 5520.0, 5522.0, 5331.0, 5333.0, 5454.0, 5441.0, 5601.0, 5704.0, 5695.0, 5645.0, 5588.0, 5473.0, 5439.0, 5494.0, 5628.0, 5435.0, 5683.0, 5467.0, 5401.0, 5470.0, 5710.0, 5719.0, 5446.0, 5542.0, 5264.0, 5673.0, 5277.0, 5324.0, 5508.0, 5363.0, 5337.0, 5591.0, 5497.0, 5515.0, 5562.0, 5627.0, 5358.0, 5530.0, 5283.0, 5546.0, 5270.0, 5495.0, 5524.0, 5537.0, 5354.0, 5516.0, 5437.0, 5256.0, 5294.0, 5453.0, 5392.0, 5655.0, 5598.0, 5541.0, 5429.0, 5263.0, 5573.0, 5698.0, 5600.0, 5478.0, 5457.0, 5625.0, 5348.0, 5489.0, 5670.0, 5273.0, 5664.0, 5477.0, 5445.0, 5696.0, 5697.0, 5487.0, 5575.0, 5370.0, 5531.0, 5606.0, 5662.0, 5269.0, 5347.0, 5589.0, 5259.0, 5301.0, 5675.0, 5594.0, 5350.0, 5689.0 (number of hits: 32)
5	5570.0	9	1.0	333	1	5272.0, 5472.0, 5301.0, 5427.0, 5665.0, 5449.0, 5696.0, 5559.0, 5690.0, 5705.0, 5617.0, 5463.0, 5491.0, 5496.0, 5615.0, 5591.0, 5369.0, 5578.0, 5508.0, 5641.0, 5722.0, 5271.0, 5505.0, 5356.0, 5529.0, 5453.0, 5652.0, 5266.0, 5507.0, 5710.0, 5459.0, 5565.0,

						5543.0, 5539.0, 5435.0, 5550.0, 5630.0, 5257.0, 5692.0, 5538.0, 5519.0, 5606.0, 5490.0, 5583.0, 5636.0, 5715.0, 5468.0, 5610.0, 5659.0, 5414.0, 5471.0, 5328.0, 5497.0, 5264.0, 5569.0, 5280.0, 5618.0, 5622.0, 5269.0, 5656.0, 5704.0, 5287.0, 5465.0, 5595.0, 5523.0, 5590.0, 5393.0, 5698.0, 5548.0, 5580.0, 5311.0, 5607.0, 5520.0, 5290.0, 5481.0, 5283.0, 5345.0, 5379.0, 5382.0, 5700.0, 5575.0, 5718.0, 5318.0, 5268.0, 5348.0, 5326.0, 5473.0, 5461.0, 5334.0, 5359.0, 5434.0, 5545.0, 5605.0, 5514.0, 5310.0, 5702.0, 5682.0, 5711.0, 5592.0, 5325.0 (number of hits: 38)
6	5570.0	9	1.0	333	1	5274.0, 5453.0, 5658.0, 5303.0, 5251.0, 5285.0, 5522.0, 5268.0, 5681.0, 5506.0, 5664.0, 5629.0, 5468.0, 5689.0, 5686.0, 5550.0, 5722.0, 5534.0, 5627.0, 5514.0, 5671.0, 5600.0, 5257.0, 5594.0, 5318.0, 5512.0, 5438.0, 5445.0, 5564.0, 5458.0, 5360.0, 5619.0, 5637.0, 5256.0, 5533.0, 5598.0, 5352.0, 5715.0, 5355.0, 5572.0, 5646.0, 5578.0, 5560.0, 5328.0, 5581.0, 5448.0, 5269.0, 5265.0, 5272.0, 5548.0, 5426.0, 5264.0, 5353.0, 5327.0, 5672.0, 5478.0, 5559.0, 5591.0, 5309.0, 5490.0, 5668.0, 5397.0, 5466.0, 5693.0, 5499.0, 5292.0, 5660.0, 5341.0, 5337.0, 5638.0, 5278.0, 5529.0, 5471.0, 5443.0, 5501.0, 5454.0, 5577.0, 5663.0, 5297.0, 5532.0, 5551.0, 5463.0, 5659.0, 5523.0, 5536.0, 5700.0, 5470.0, 5423.0, 5288.0, 5587.0, 5418.0, 5618.0, 5304.0, 5373.0, 5273.0, 5437.0, 5701.0, 5315.0, 5625.0, 5372.0 (number of hits: 35)
7	5570.0	9	1.0	333	1	5643.0, 5332.0, 5370.0, 5618.0, 5464.0, 5466.0, 5591.0, 5390.0, 5425.0, 5301.0, 5710.0, 5435.0, 5718.0, 5593.0, 5554.0, 5307.0, 5602.0, 5525.0, 5365.0, 5395.0, 5335.0, 5660.0, 5347.0, 5357.0, 5276.0, 5608.0, 5408.0, 5481.0, 5378.0, 5534.0, 5717.0, 5455.0, 5253.0, 5292.0, 5348.0, 5595.0, 5583.0, 5586.0, 5275.0, 5708.0, 5646.0, 5529.0, 5284.0, 5549.0, 5344.0, 5532.0, 5712.0, 5371.0, 5603.0, 5340.0, 5475.0, 5672.0, 5291.0, 5678.0, 5617.0, 5575.0, 5684.0, 5703.0, 5663.0, 5363.0, 5544.0, 5281.0, 5353.0, 5511.0, 5561.0, 5272.0, 5607.0, 5448.0, 5659.0, 5373.0, 5358.0, 5715.0, 5693.0, 5327.0, 5507.0, 5701.0, 5413.0, 5719.0, 5711.0, 5688.0, 5679.0, 5263.0, 5356.0, 5397.0, 5447.0, 5542.0, 5650.0, 5485.0, 5654.0, 5546.0, 5355.0, 5604.0, 5270.0, 5634.0, 5322.0, 5565.0, 5463.0, 5401.0, 5300.0, 5714.0 (number of hits: 29)
8	5570.0	9	1.0	333	1	5296.0, 5722.0, 5389.0, 5365.0, 5544.0, 5641.0, 5355.0, 5384.0, 5252.0, 5312.0, 5388.0, 5524.0, 5391.0, 5636.0, 5425.0, 5596.0, 5642.0, 5424.0, 5676.0, 5338.0, 5378.0, 5390.0, 5632.0, 5459.0, 5428.0, 5646.0, 5416.0, 5574.0, 5561.0, 5556.0, 5529.0, 5263.0, 5654.0, 5711.0, 5444.0, 5707.0, 5287.0, 5490.0, 5343.0, 5253.0, 5543.0, 5693.0, 5501.0, 5599.0, 5487.0, 5551.0, 5538.0, 5306.0, 5573.0, 5460.0, 5554.0, 5358.0, 5454.0, 5342.0, 5367.0, 5679.0, 5664.0, 5380.0, 5262.0, 5595.0, 5673.0, 5657.0, 5442.0, 5612.0, 5407.0, 5658.0, 5688.0, 5488.0, 5575.0, 5348.0, 5710.0, 5326.0, 5507.0, 5406.0, 5706.0, 5291.0, 5628.0, 5350.0, 5503.0, 5533.0, 5638.0, 5619.0, 5581.0, 5559.0, 5420.0, 5505.0, 5294.0, 5553.0, 5402.0, 5481.0, 5489.0, 5504.0, 5499.0, 5439.0, 5446.0, 5661.0, 5511.0, 5677.0, 5578.0, 5414.0 (number of hits: 36)
9	5570.0	9	1.0	333	1	5596.0, 5476.0, 5610.0, 5642.0, 5280.0, 5450.0, 5402.0, 5542.0, 5302.0, 5444.0, 5653.0, 5282.0, 5291.0, 5698.0, 5608.0, 5381.0, 5366.0, 5417.0, 5524.0, 5368.0, 5639.0, 5699.0, 5409.0, 5537.0, 5299.0, 5567.0, 5422.0, 5288.0, 5272.0, 5555.0, 5481.0, 5697.0, 5374.0, 5674.0, 5285.0, 5628.0, 5585.0, 5715.0, 5570.0, 5277.0, 5518.0, 5427.0, 5412.0, 5595.0, 5544.0, 5362.0, 5719.0, 5301.0, 5260.0, 5617.0, 5463.0, 5652.0, 5320.0, 5598.0, 5308.0, 5667.0, 5485.0, 5376.0, 5495.0, 5643.0, 5714.0, 5505.0, 5619.0, 5318.0, 5531.0, 5287.0, 5577.0, 5359.0, 5689.0, 5664.0, 5419.0, 5637.0, 5391.0, 5369.0, 5448.0, 5325.0, 5685.0, 5331.0, 5615.0, 5346.0, 5397.0, 5449.0, 5624.0, 5680.0, 5553.0, 5522.0, 5379.0, 5447.0, 5723.0, 5563.0, 5441.0, 5613.0, 5693.0, 5309.0, 5632.0, 5713.0, 5646.0, 5487.0, 5644.0, 5478.0 (number of hits: 34)
10	5570.0	9	1.0	333	1	5280.0, 5504.0, 5264.0, 5722.0, 5253.0, 5524.0, 5500.0, 5643.0,

						5475.0, 5262.0, 5593.0, 5323.0, 5423.0, 5558.0, 5646.0, 5543.0, 5509.0, 5618.0, 5258.0, 5685.0, 5639.0, 5453.0, 5673.0, 5254.0, 5656.0, 5687.0, 5371.0, 5594.0, 5397.0, 5318.0, 5718.0, 5674.0, 5576.0, 5595.0, 5537.0, 5411.0, 5502.0, 5364.0, 5480.0, 5708.0, 5452.0, 5585.0, 5449.0, 5333.0, 5651.0, 5535.0, 5572.0, 5518.0, 5255.0, 5701.0, 5316.0, 5314.0, 5503.0, 5281.0, 5441.0, 5567.0, 5400.0, 5429.0, 5609.0, 5541.0, 5665.0, 5430.0, 5658.0, 5561.0, 5306.0, 5443.0, 5664.0, 5311.0, 5488.0, 5421.0, 5260.0, 5401.0, 5712.0, 5370.0, 5589.0, 5427.0, 5650.0, 5581.0, 5563.0, 5446.0, 5277.0, 5583.0, 5315.0, 5464.0, 5611.0, 5346.0, 5398.0, 5415.0, 5519.0, 5511.0, 5625.0, 5694.0, 5321.0, 5374.0, 5322.0, 5278.0, 5458.0, 5420.0, 5626.0, 5379.0 (number of hits: 34)
11	5570.0	9	1.0	333	1	5614.0, 5507.0, 5302.0, 5346.0, 5572.0, 5402.0, 5473.0, 5412.0, 5527.0, 5456.0, 5568.0, 5296.0, 5647.0, 5558.0, 5464.0, 5597.0, 5277.0, 5398.0, 5559.0, 5602.0, 5453.0, 5410.0, 5472.0, 5306.0, 5611.0, 5486.0, 5493.0, 5618.0, 5623.0, 5634.0, 5696.0, 5690.0, 5545.0, 5374.0, 5461.0, 5497.0, 5367.0, 5304.0, 5275.0, 5432.0, 5436.0, 5581.0, 5476.0, 5356.0, 5517.0, 5562.0, 5278.0, 5442.0, 5516.0, 5510.0, 5564.0, 5646.0, 5333.0, 5285.0, 5571.0, 5417.0, 5349.0, 5677.0, 5403.0, 5615.0, 5253.0, 5454.0, 5693.0, 5721.0, 5323.0, 5661.0, 5351.0, 5290.0, 5298.0, 5703.0, 5429.0, 5301.0, 5434.0, 5609.0, 5709.0, 5557.0, 5723.0, 5660.0, 5659.0, 5502.0, 5582.0, 5299.0, 5580.0, 5519.0, 5573.0, 5492.0, 5326.0, 5668.0, 5551.0, 5384.0, 5641.0, 5397.0, 5469.0, 5406.0, 5538.0, 5293.0, 5256.0, 5544.0, 5478.0, 5633.0 (number of hits: 39)
12	5570.0	9	1.0	333	1	5661.0, 5270.0, 5584.0, 5421.0, 5283.0, 5400.0, 5381.0, 5687.0, 5308.0, 5382.0, 5355.0, 5619.0, 5364.0, 5359.0, 5287.0, 5452.0, 5537.0, 5444.0, 5705.0, 5380.0, 5477.0, 5676.0, 5722.0, 5571.0, 5418.0, 5614.0, 5696.0, 5481.0, 5465.0, 5590.0, 5416.0, 5282.0, 5446.0, 5714.0, 5673.0, 5467.0, 5517.0, 5330.0, 5567.0, 5259.0, 5533.0, 5563.0, 5541.0, 5422.0, 5443.0, 5601.0, 5387.0, 5677.0, 5638.0, 5596.0, 5572.0, 5693.0, 5318.0, 5626.0, 5475.0, 5593.0, 5588.0, 5485.0, 5620.0, 5469.0, 5543.0, 5450.0, 5692.0, 5285.0, 5257.0, 5327.0, 5675.0, 5297.0, 5578.0, 5316.0, 5653.0, 5417.0, 5602.0, 5622.0, 5276.0, 5524.0, 5709.0, 5339.0, 5482.0, 5717.0, 5489.0, 5343.0, 5488.0, 5654.0, 5556.0, 5515.0, 5288.0, 5331.0, 5398.0, 5723.0, 5529.0, 5342.0, 5386.0, 5644.0, 5295.0, 5595.0, 5314.0, 5463.0, 5649.0, 5420.0 (number of hits: 29)
13	5570.0	9	1.0	333	1	5530.0, 5556.0, 5277.0, 5672.0, 5292.0, 5709.0, 5666.0, 5602.0, 5264.0, 5439.0, 5643.0, 5435.0, 5340.0, 5259.0, 5532.0, 5443.0, 5653.0, 5708.0, 5508.0, 5594.0, 5302.0, 5718.0, 5448.0, 5307.0, 5578.0, 5503.0, 5568.0, 5345.0, 5417.0, 5705.0, 5479.0, 5315.0, 5618.0, 5669.0, 5333.0, 5659.0, 5582.0, 5514.0, 5617.0, 5395.0, 5563.0, 5272.0, 5636.0, 5679.0, 5421.0, 5583.0, 5337.0, 5510.0, 5714.0, 5565.0, 5655.0, 5365.0, 5723.0, 5364.0, 5367.0, 5445.0, 5410.0, 5533.0, 5414.0, 5534.0, 5665.0, 5387.0, 5349.0, 5640.0, 5486.0, 5434.0, 5699.0, 5330.0, 5326.0, 5717.0, 5507.0, 5637.0, 5469.0, 5674.0, 5484.0, 5406.0, 5411.0, 5692.0, 5319.0, 5300.0, 5343.0, 5263.0, 5306.0, 5541.0, 5472.0, 5422.0, 5412.0, 5405.0, 5521.0, 5558.0, 5691.0, 5611.0, 5620.0, 5696.0, 5320.0, 5427.0, 5456.0, 5492.0, 5254.0, 5318.0 (number of hits: 30)
14	5570.0	9	1.0	333	1	5343.0, 5424.0, 5498.0, 5572.0, 5288.0, 5423.0, 5379.0, 5272.0, 5531.0, 5649.0, 5530.0, 5482.0, 5683.0, 5286.0, 5271.0, 5324.0, 5680.0, 5632.0, 5397.0, 5344.0, 5517.0, 5270.0, 5578.0, 5448.0, 5640.0, 5590.0, 5313.0, 5452.0, 5301.0, 5369.0, 5601.0, 5338.0, 5367.0, 5501.0, 5556.0, 5399.0, 5516.0, 5481.0, 5553.0, 5269.0, 5494.0, 5306.0, 5636.0, 5688.0, 5617.0, 5581.0, 5388.0, 5321.0, 5274.0, 5499.0, 5511.0, 5427.0, 5456.0, 5698.0, 5551.0, 5377.0, 5461.0, 5603.0, 5445.0, 5604.0, 5349.0, 5287.0, 5358.0, 5723.0, 5623.0, 5446.0, 5366.0, 5483.0, 5254.0, 5535.0, 5584.0, 5715.0, 5533.0, 5682.0, 5719.0, 5492.0, 5450.0, 5629.0, 5401.0, 5293.0, 5666.0, 5295.0, 5355.0, 5326.0, 5686.0, 5484.0, 5314.0, 5308.0,

						5385.0, 5624.0, 5702.0, 5256.0, 5643.0, 5465.0, 5518.0, 5627.0, 5540.0, 5332.0, 5661.0, 5468.0 (number of hits: 34)
15	5570.0	9	1.0	333	1	5451.0, 5276.0, 5654.0, 5426.0, 5550.0, 5664.0, 5699.0, 5269.0, 5409.0, 5327.0, 5455.0, 5411.0, 5285.0, 5719.0, 5267.0, 5708.0, 5375.0, 5629.0, 5519.0, 5493.0, 5255.0, 5685.0, 5492.0, 5361.0, 5342.0, 5700.0, 5566.0, 5580.0, 5655.0, 5259.0, 5392.0, 5586.0, 5461.0, 5542.0, 5476.0, 5628.0, 5400.0, 5329.0, 5358.0, 5610.0, 5579.0, 5625.0, 5271.0, 5403.0, 5591.0, 5539.0, 5294.0, 5639.0, 5668.0, 5442.0, 5471.0, 5396.0, 5364.0, 5545.0, 5485.0, 5567.0, 5599.0, 5368.0, 5516.0, 5531.0, 5717.0, 5568.0, 5366.0, 5656.0, 5352.0, 5609.0, 5353.0, 5266.0, 5616.0, 5398.0, 5393.0, 5549.0, 5337.0, 5348.0, 5536.0, 5503.0, 5715.0, 5525.0, 5701.0, 5440.0, 5314.0, 5326.0, 5602.0, 5405.0, 5410.0, 5460.0, 5453.0, 5469.0, 5650.0, 5308.0, 5603.0, 5504.0, 5527.0, 5480.0, 5397.0, 5661.0, 5350.0, 5277.0, 5324.0, 5347.0 (number of hits: 32)
16	5570.0	9	1.0	333	1	5677.0, 5589.0, 5359.0, 5453.0, 5257.0, 5671.0, 5590.0, 5396.0, 5314.0, 5348.0, 5656.0, 5367.0, 5280.0, 5509.0, 5615.0, 5633.0, 5522.0, 5309.0, 5602.0, 5569.0, 5467.0, 5452.0, 5524.0, 5606.0, 5617.0, 5719.0, 5478.0, 5549.0, 5264.0, 5368.0, 5337.0, 5592.0, 5720.0, 5605.0, 5448.0, 5630.0, 5641.0, 5476.0, 5411.0, 5409.0, 5555.0, 5689.0, 5632.0, 5721.0, 5259.0, 5423.0, 5626.0, 5702.0, 5714.0, 5387.0, 5687.0, 5519.0, 5355.0, 5492.0, 5561.0, 5688.0, 5316.0, 5560.0, 5577.0, 5363.0, 5251.0, 5375.0, 5433.0, 5609.0, 5624.0, 5350.0, 5315.0, 5461.0, 5343.0, 5473.0, 5427.0, 5437.0, 5322.0, 5723.0, 5682.0, 5712.0, 5499.0, 5320.0, 5514.0, 5495.0, 5331.0, 5262.0, 5329.0, 5462.0, 5614.0, 5603.0, 5517.0, 5397.0, 5652.0, 5364.0, 5582.0, 5700.0, 5404.0, 5489.0, 5520.0, 5471.0, 5573.0, 5458.0, 5699.0, 5326.0 (number of hits: 35)
17	5570.0	9	1.0	333	1	5420.0, 5465.0, 5344.0, 5372.0, 5540.0, 5553.0, 5630.0, 5723.0, 5316.0, 5516.0, 5308.0, 5269.0, 5476.0, 5260.0, 5268.0, 5301.0, 5666.0, 5421.0, 5579.0, 5632.0, 5557.0, 5456.0, 5359.0, 5653.0, 5304.0, 5675.0, 5697.0, 5429.0, 5600.0, 5606.0, 5435.0, 5507.0, 5273.0, 5551.0, 5672.0, 5285.0, 5690.0, 5274.0, 5442.0, 5257.0, 5490.0, 5544.0, 5388.0, 5286.0, 5311.0, 5466.0, 5661.0, 5510.0, 5410.0, 5452.0, 5705.0, 5357.0, 5349.0, 5432.0, 5439.0, 5267.0, 5500.0, 5258.0, 5319.0, 5556.0, 5621.0, 5334.0, 5567.0, 5497.0, 5657.0, 5699.0, 5461.0, 5297.0, 5671.0, 5615.0, 5279.0, 5424.0, 5561.0, 5314.0, 5582.0, 5698.0, 5505.0, 5302.0, 5348.0, 5610.0, 5667.0, 5417.0, 5501.0, 5641.0, 5524.0, 5321.0, 5577.0, 5338.0, 5324.0, 5370.0, 5369.0, 5578.0, 5701.0, 5538.0, 5272.0, 5447.0, 5608.0, 5547.0, 5413.0, 5322.0 (number of hits: 31)
18	5570.0	9	1.0	333	1	5684.0, 5494.0, 5605.0, 5376.0, 5533.0, 5294.0, 5701.0, 5531.0, 5441.0, 5288.0, 5613.0, 5296.0, 5359.0, 5400.0, 5342.0, 5481.0, 5366.0, 5486.0, 5501.0, 5525.0, 5412.0, 5474.0, 5351.0, 5372.0, 5637.0, 5371.0, 5468.0, 5565.0, 5520.0, 5282.0, 5458.0, 5394.0, 5614.0, 5514.0, 5585.0, 5556.0, 5633.0, 5664.0, 5314.0, 5581.0, 5484.0, 5631.0, 5598.0, 5663.0, 5615.0, 5301.0, 5510.0, 5373.0, 5346.0, 5350.0, 5390.0, 5317.0, 5425.0, 5499.0, 5303.0, 5551.0, 5387.0, 5710.0, 5636.0, 5419.0, 5465.0, 5388.0, 5554.0, 5408.0, 5599.0, 5411.0, 5680.0, 5316.0, 5610.0, 5271.0, 5517.0, 5694.0, 5407.0, 5434.0, 5328.0, 5564.0, 5298.0, 5708.0, 5500.0, 5281.0, 5361.0, 5521.0, 5502.0, 5577.0, 5448.0, 5270.0, 5487.0, 5707.0, 5515.0, 5711.0, 5451.0, 5391.0, 5548.0, 5367.0, 5297.0, 5403.0, 5253.0, 5326.0, 5261.0, 5343.0 (number of hits: 34)
19	5570.0	9	1.0	333	1	5373.0, 5624.0, 5358.0, 5329.0, 5455.0, 5506.0, 5386.0, 5437.0, 5596.0, 5547.0, 5696.0, 5430.0, 5647.0, 5521.0, 5559.0, 5477.0, 5447.0, 5319.0, 5352.0, 5601.0, 5292.0, 5714.0, 5258.0, 5556.0, 5385.0, 5269.0, 5448.0, 5251.0, 5261.0, 5660.0, 5382.0, 5670.0, 5323.0, 5513.0, 5378.0, 5289.0, 5399.0, 5505.0, 5298.0, 5587.0, 5496.0, 5569.0, 5364.0, 5459.0, 5688.0, 5607.0, 5539.0, 5349.0, 5609.0, 5567.0, 5416.0, 5489.0, 5303.0, 5646.0, 5677.0, 5438.0, 5685.0, 5522.0, 5461.0, 5396.0, 5288.0, 5284.0, 5498.0, 5580.0,

						5479.0, 5414.0, 5275.0, 5692.0, 5462.0, 5619.0, 5431.0, 5526.0, 5302.0, 5620.0, 5671.0, 5473.0, 5631.0, 5441.0, 5446.0, 5468.0, 5555.0, 5464.0, 5629.0, 5433.0, 5554.0, 5491.0, 5621.0, 5651.0, 5617.0, 5585.0, 5420.0, 5457.0, 5387.0, 5380.0, 5530.0, 5694.0, 5436.0, 5576.0, 5517.0, 5583.0 (number of hits: 36)
20	5570.0	9	1.0	333	1	5310.0, 5362.0, 5622.0, 5704.0, 5349.0, 5620.0, 5261.0, 5638.0, 5388.0, 5469.0, 5266.0, 5482.0, 5394.0, 5458.0, 5260.0, 5274.0, 5305.0, 5257.0, 5383.0, 5501.0, 5604.0, 5483.0, 5663.0, 5432.0, 5518.0, 5475.0, 5393.0, 5644.0, 5716.0, 5499.0, 5637.0, 5439.0, 5452.0, 5592.0, 5424.0, 5562.0, 5565.0, 5416.0, 5399.0, 5667.0, 5422.0, 5584.0, 5589.0, 5455.0, 5488.0, 5387.0, 5444.0, 5438.0, 5291.0, 5696.0, 5502.0, 5423.0, 5392.0, 5686.0, 5700.0, 5465.0, 5270.0, 5510.0, 5433.0, 5478.0, 5600.0, 5400.0, 5427.0, 5635.0, 5443.0, 5539.0, 5714.0, 5559.0, 5283.0, 5406.0, 5536.0, 5447.0, 5541.0, 5418.0, 5571.0, 5632.0, 5649.0, 5352.0, 5307.0, 5582.0, 5634.0, 5564.0, 5500.0, 5661.0, 5492.0, 5445.0, 5308.0, 5395.0, 5713.0, 5415.0, 5643.0, 5288.0, 5506.0, 5286.0, 5299.0, 5703.0, 5586.0, 5665.0, 5532.0, 5556.0 (number of hits: 34)
21	5570.0	9	1.0	333	1	5627.0, 5539.0, 5439.0, 5378.0, 5414.0, 5296.0, 5547.0, 5325.0, 5351.0, 5344.0, 5546.0, 5381.0, 5620.0, 5534.0, 5369.0, 5273.0, 5639.0, 5633.0, 5420.0, 5278.0, 5332.0, 5662.0, 5453.0, 5447.0, 5555.0, 5653.0, 5626.0, 5308.0, 5399.0, 5652.0, 5357.0, 5572.0, 5718.0, 5711.0, 5346.0, 5677.0, 5480.0, 5632.0, 5481.0, 5526.0, 5272.0, 5517.0, 5304.0, 5591.0, 5421.0, 5367.0, 5570.0, 5611.0, 5422.0, 5394.0, 5562.0, 5435.0, 5643.0, 5571.0, 5551.0, 5509.0, 5427.0, 5575.0, 5354.0, 5342.0, 5395.0, 5400.0, 5360.0, 5716.0, 5580.0, 5323.0, 5253.0, 5277.0, 5430.0, 5686.0, 5649.0, 5424.0, 5667.0, 5407.0, 5638.0, 5262.0, 5651.0, 5584.0, 5496.0, 5691.0, 5668.0, 5345.0, 5607.0, 5641.0, 5713.0, 5605.0, 5531.0, 5687.0, 5404.0, 5490.0, 5443.0, 5701.0, 5437.0, 5266.0, 5623.0, 5375.0, 5408.0, 5590.0, 5650.0, 5301.0 (number of hits: 33)
22	5570.0	9	1.0	333	1	5333.0, 5291.0, 5498.0, 5570.0, 5297.0, 5372.0, 5342.0, 5686.0, 5672.0, 5607.0, 5324.0, 5300.0, 5724.0, 5494.0, 5476.0, 5346.0, 5586.0, 5550.0, 5408.0, 5496.0, 5430.0, 5645.0, 5509.0, 5525.0, 5614.0, 5414.0, 5600.0, 5719.0, 5492.0, 5592.0, 5616.0, 5690.0, 5480.0, 5444.0, 5279.0, 5654.0, 5446.0, 5421.0, 5535.0, 5425.0, 5716.0, 5658.0, 5271.0, 5355.0, 5567.0, 5287.0, 5691.0, 5605.0, 5582.0, 5419.0, 5382.0, 5718.0, 5325.0, 5256.0, 5536.0, 5595.0, 5386.0, 5303.0, 5668.0, 5472.0, 5639.0, 5269.0, 5581.0, 5635.0, 5420.0, 5459.0, 5713.0, 5389.0, 5493.0, 5650.0, 5557.0, 5500.0, 5268.0, 5465.0, 5343.0, 5617.0, 5290.0, 5580.0, 5553.0, 5354.0, 5579.0, 5265.0, 5280.0, 5294.0, 5556.0, 5640.0, 5502.0, 5705.0, 5546.0, 5362.0, 5413.0, 5620.0, 5504.0, 5627.0, 5688.0, 5293.0, 5646.0, 5560.0, 5403.0, 5368.0 (number of hits: 40)
23	5570.0	9	1.0	333	1	5567.0, 5666.0, 5712.0, 5616.0, 5455.0, 5481.0, 5448.0, 5638.0, 5299.0, 5426.0, 5624.0, 5276.0, 5593.0, 5491.0, 5716.0, 5549.0, 5255.0, 5368.0, 5447.0, 5615.0, 5629.0, 5442.0, 5528.0, 5408.0, 5395.0, 5501.0, 5521.0, 5405.0, 5635.0, 5430.0, 5413.0, 5437.0, 5456.0, 5671.0, 5480.0, 5312.0, 5618.0, 5608.0, 5700.0, 5660.0, 5647.0, 5496.0, 5636.0, 5362.0, 5541.0, 5406.0, 5576.0, 5351.0, 5628.0, 5667.0, 5524.0, 5400.0, 5648.0, 5487.0, 5457.0, 5497.0, 5303.0, 5680.0, 5705.0, 5394.0, 5584.0, 5708.0, 5633.0, 5586.0, 5403.0, 5420.0, 5717.0, 5251.0, 5441.0, 5311.0, 5302.0, 5581.0, 5338.0, 5485.0, 5314.0, 5397.0, 5531.0, 5569.0, 5269.0, 5280.0, 5513.0, 5259.0, 5346.0, 5472.0, 5453.0, 5289.0, 5306.0, 5478.0, 5547.0, 5428.0, 5610.0, 5556.0, 5335.0, 5504.0, 5365.0, 5676.0, 5494.0, 5512.0, 5713.0, 5622.0 (number of hits: 36)
24	5570.0	9	1.0	333	1	5303.0, 5265.0, 5607.0, 5369.0, 5564.0, 5421.0, 5327.0, 5645.0, 5620.0, 5451.0, 5383.0, 5608.0, 5708.0, 5292.0, 5495.0, 5532.0, 5449.0, 5342.0, 5543.0, 5684.0, 5456.0, 5424.0, 5301.0, 5721.0, 5252.0, 5575.0, 5679.0, 5673.0, 5258.0, 5317.0, 5676.0, 5300.0, 5669.0, 5362.0, 5666.0, 5400.0, 5671.0, 5256.0, 5484.0, 5516.0,

						5572.0, 5641.0, 5349.0, 5266.0, 5372.0, 5333.0, 5386.0, 5475.0, 5544.0, 5720.0, 5704.0, 5250.0, 5384.0, 5462.0, 5335.0, 5590.0, 5592.0, 5324.0, 5494.0, 5344.0, 5438.0, 5393.0, 5311.0, 5648.0, 5661.0, 5681.0, 5567.0, 5493.0, 5257.0, 5445.0, 5672.0, 5555.0, 5595.0, 5404.0, 5573.0, 5350.0, 5457.0, 5481.0, 5347.0, 5446.0, 5604.0, 5707.0, 5635.0, 5496.0, 5588.0, 5328.0, 5315.0, 5370.0, 5568.0, 5656.0, 5598.0, 5469.0, 5546.0, 5429.0, 5600.0, 5649.0, 5331.0, 5428.0, 5485.0, 5723.0 (number of hits: 29)
25	5570.0	9	1.0	333	1	5355.0, 5287.0, 5268.0, 5411.0, 5462.0, 5576.0, 5585.0, 5253.0, 5611.0, 5698.0, 5558.0, 5527.0, 5260.0, 5288.0, 5638.0, 5609.0, 5426.0, 5404.0, 5394.0, 5706.0, 5444.0, 5678.0, 5559.0, 5572.0, 5348.0, 5552.0, 5555.0, 5663.0, 5656.0, 5478.0, 5381.0, 5405.0, 5713.0, 5252.0, 5618.0, 5458.0, 5719.0, 5297.0, 5631.0, 5533.0, 5650.0, 5460.0, 5704.0, 5673.0, 5396.0, 5540.0, 5465.0, 5685.0, 5395.0, 5377.0, 5449.0, 5310.0, 5350.0, 5466.0, 5705.0, 5292.0, 5636.0, 5432.0, 5628.0, 5617.0, 5388.0, 5374.0, 5398.0, 5299.0, 5401.0, 5549.0, 5308.0, 5483.0, 5560.0, 5623.0, 5367.0, 5406.0, 5386.0, 5392.0, 5689.0, 5477.0, 5445.0, 5403.0, 5574.0, 5430.0, 5481.0, 5490.0, 5675.0, 5271.0, 5707.0, 5561.0, 5534.0, 5289.0, 5655.0, 5393.0, 5586.0, 5647.0, 5557.0, 5361.0, 5506.0, 5595.0, 5662.0, 5291.0, 5484.0, 5644.0 (number of hits: 30)
26	5570.0	9	1.0	333	1	5445.0, 5479.0, 5453.0, 5538.0, 5673.0, 5430.0, 5663.0, 5623.0, 5690.0, 5444.0, 5686.0, 5464.0, 5282.0, 5293.0, 5582.0, 5343.0, 5496.0, 5344.0, 5370.0, 5548.0, 5403.0, 5605.0, 5368.0, 5649.0, 5305.0, 5330.0, 5364.0, 5597.0, 5300.0, 5463.0, 5260.0, 5425.0, 5296.0, 5552.0, 5320.0, 5723.0, 5645.0, 5478.0, 5418.0, 5450.0, 5685.0, 5475.0, 5427.0, 5307.0, 5707.0, 5380.0, 5510.0, 5714.0, 5480.0, 5287.0, 5514.0, 5642.0, 5433.0, 5281.0, 5266.0, 5574.0, 5523.0, 5697.0, 5688.0, 5455.0, 5262.0, 5471.0, 5356.0, 5708.0, 5660.0, 5392.0, 5567.0, 5654.0, 5596.0, 5292.0, 5269.0, 5263.0, 5495.0, 5474.0, 5347.0, 5699.0, 5695.0, 5357.0, 5648.0, 5537.0, 5443.0, 5585.0, 5704.0, 5494.0, 5396.0, 5408.0, 5587.0, 5508.0, 5527.0, 5511.0, 5358.0, 5566.0, 5304.0, 5363.0, 5519.0, 5711.0, 5565.0, 5693.0, 5308.0, 5599.0 (number of hits: 28)
27	5570.0	9	1.0	333	1	5584.0, 5400.0, 5491.0, 5448.0, 5613.0, 5647.0, 5289.0, 5268.0, 5281.0, 5411.0, 5717.0, 5430.0, 5591.0, 5678.0, 5518.0, 5378.0, 5426.0, 5498.0, 5263.0, 5404.0, 5677.0, 5597.0, 5634.0, 5370.0, 5578.0, 5352.0, 5355.0, 5609.0, 5602.0, 5565.0, 5311.0, 5657.0, 5624.0, 5453.0, 5408.0, 5366.0, 5636.0, 5533.0, 5596.0, 5688.0, 5632.0, 5403.0, 5345.0, 5256.0, 5527.0, 5303.0, 5633.0, 5666.0, 5361.0, 5719.0, 5544.0, 5440.0, 5710.0, 5557.0, 5598.0, 5497.0, 5567.0, 5539.0, 5644.0, 5450.0, 5511.0, 5441.0, 5507.0, 5671.0, 5293.0, 5351.0, 5468.0, 5314.0, 5594.0, 5603.0, 5324.0, 5372.0, 5424.0, 5251.0, 5346.0, 5480.0, 5347.0, 5523.0, 5643.0, 5500.0, 5337.0, 5502.0, 5398.0, 5568.0, 5434.0, 5712.0, 5330.0, 5481.0, 5654.0, 5333.0, 5659.0, 5560.0, 5716.0, 5417.0, 5551.0, 5718.0, 5295.0, 5531.0, 5653.0, 5563.0 (number of hits: 39)
28	5570.0	9	1.0	333	1	5387.0, 5420.0, 5513.0, 5358.0, 5352.0, 5560.0, 5505.0, 5251.0, 5291.0, 5493.0, 5614.0, 5677.0, 5371.0, 5391.0, 5308.0, 5555.0, 5415.0, 5478.0, 5363.0, 5712.0, 5396.0, 5461.0, 5468.0, 5421.0, 5443.0, 5698.0, 5460.0, 5656.0, 5401.0, 5630.0, 5636.0, 5572.0, 5710.0, 5673.0, 5457.0, 5483.0, 5319.0, 5381.0, 5286.0, 5402.0, 5591.0, 5458.0, 5611.0, 5296.0, 5454.0, 5287.0, 5515.0, 5395.0, 5385.0, 5280.0, 5327.0, 5413.0, 5288.0, 5500.0, 5361.0, 5588.0, 5647.0, 5538.0, 5262.0, 5540.0, 5549.0, 5253.0, 5437.0, 5603.0, 5393.0, 5268.0, 5298.0, 5289.0, 5301.0, 5455.0, 5343.0, 5610.0, 5305.0, 5587.0, 5676.0, 5509.0, 5672.0, 5510.0, 5568.0, 5442.0, 5273.0, 5340.0, 5643.0, 5257.0, 5629.0, 5441.0, 5580.0, 5586.0, 5376.0, 5366.0, 5639.0, 5295.0, 5369.0, 5569.0, 5490.0, 5692.0, 5661.0, 5480.0, 5662.0, 5409.0 (number of hits: 30)
29	5570.0	9	1.0	333	1	5599.0, 5510.0, 5606.0, 5532.0, 5573.0, 5284.0, 5451.0, 5680.0, 5512.0, 5569.0, 5365.0, 5527.0, 5392.0, 5453.0, 5525.0, 5639.0,

						5259.0, 5538.0, 5307.0, 5471.0, 5628.0, 5547.0, 5588.0, 5643.0, 5417.0, 5721.0, 5277.0, 5567.0, 5291.0, 5268.0, 5373.0, 5448.0, 5469.0, 5668.0, 5614.0, 5646.0, 5616.0, 5579.0, 5263.0, 5553.0, 5710.0, 5333.0, 5661.0, 5321.0, 5537.0, 5711.0, 5691.0, 5394.0, 5322.0, 5361.0, 5572.0, 5251.0, 5593.0, 5705.0, 5621.0, 5416.0, 5544.0, 5585.0, 5595.0, 5390.0, 5626.0, 5431.0, 5375.0, 5269.0, 5497.0, 5660.0, 5706.0, 5428.0, 5395.0, 5496.0, 5605.0, 5702.0, 5511.0, 5552.0, 5442.0, 5664.0, 5276.0, 5473.0, 5339.0, 5364.0, 5485.0, 5520.0, 5575.0, 5359.0, 5648.0, 5371.0, 5304.0, 5562.0, 5295.0, 5479.0, 5655.0, 5722.0, 5335.0, 5424.0, 5279.0, 5677.0, 5713.0, 5443.0, 5467.0, 5413.0 (number of hits: 37)
30	5570.0	9	1.0	333	1	5557.0, 5257.0, 5342.0, 5362.0, 5475.0, 5644.0, 5396.0, 5352.0, 5632.0, 5679.0, 5329.0, 5278.0, 5508.0, 5429.0, 5356.0, 5714.0, 5719.0, 5288.0, 5465.0, 5495.0, 5478.0, 5692.0, 5479.0, 5404.0, 5603.0, 5500.0, 5297.0, 5338.0, 5658.0, 5307.0, 5524.0, 5483.0, 5502.0, 5384.0, 5421.0, 5552.0, 5358.0, 5695.0, 5380.0, 5706.0, 5616.0, 5646.0, 5643.0, 5287.0, 5301.0, 5612.0, 5482.0, 5549.0, 5631.0, 5368.0, 5408.0, 5435.0, 5687.0, 5543.0, 5464.0, 5395.0, 5518.0, 5467.0, 5400.0, 5341.0, 5258.0, 5317.0, 5640.0, 5445.0, 5715.0, 5438.0, 5702.0, 5556.0, 5485.0, 5491.0, 5431.0, 5283.0, 5414.0, 5291.0, 5480.0, 5573.0, 5680.0, 5553.0, 5314.0, 5433.0, 5323.0, 5373.0, 5418.0, 5420.0, 5468.0, 5578.0, 5561.0, 5311.0, 5387.0, 5529.0, 5685.0, 5450.0, 5422.0, 5583.0, 5656.0, 5671.0, 5681.0, 5312.0, 5277.0, 5440.0 (number of hits: 26)

P2P Mode
Iron Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	68	1.0	778	1
2	72	1.0	738	1
3	81	1.0	658	0
4	83	1.0	638	1
5	76	1.0	698	1
6	70	1.0	758	1
7	57	1.0	938	1
8	59	1.0	898	1
9	65	1.0	818	1
10	61	1.0	878	1
11	62	1.0	858	1
12	89	1.0	598	1
13	99	1.0	538	1
14	95	1.0	558	1
15	58	1.0	918	1
16	32	1.0	1677	1
17	19	1.0	2915	1
18	82	1.0	648	1
19	30	1.0	1760	1
20	50	1.0	1060	1
21	26	1.0	2098	1
22	21	1.0	2592	1
23	33	1.0	1610	1
24	34	1.0	1560	1
25	23	1.0	2379	1
26	51	1.0	1035	1
27	35	1.0	1550	1
28	18	1.0	2944	1
29	19	1.0	2923	0
30	91	1.0	581	1
Detection Percentage: 93.3 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	26	3.5	208	1
2	26	2.1	190	1
3	27	4.8	167	1
4	25	4.8	225	1
5	23	2.3	198	1
6	27	2.6	182	1
7	28	1.1	161	1
8	27	5.0	168	1
9	27	1.6	200	1
10	24	1.2	159	1
11	28	3.9	192	1
12	25	3.4	226	0
13	25	3.4	152	1
14	26	1.5	215	1
15	25	1.7	190	1
16	28	1.9	196	1
17	26	4.4	225	0
18	25	2.3	189	1
19	25	3.5	173	1
20	28	3.6	200	1
21	28	3.9	216	1
22	29	1.0	160	1
23	26	4.0	208	1
24	24	3.6	197	1
25	24	3.3	167	1
26	23	2.4	178	1
27	28	3.2	215	1
28	28	2.9	183	1
29	24	1.5	196	1
30	29	2.9	157	0
Detection Percentage: 90 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	7.9	445	1
2	18	8.8	295	1
3	17	9.7	438	1
4	18	9.0	231	1
5	16	6.9	266	0
6	17	8.6	435	1
7	16	7.0	497	0
8	16	6.7	336	1
9	18	8.9	454	1
10	16	9.7	203	1
11	16	7.1	384	1
12	16	7.4	417	1
13	16	7.7	277	1
14	16	6.1	439	1
15	18	9.5	427	1
16	17	9.4	246	0
17	17	10.0	248	1
18	16	10.0	399	1
19	17	9.4	384	1
20	17	7.5	464	1
21	16	7.9	244	1
22	16	6.2	207	1
23	17	7.7	269	0
24	17	7.5	212	0
25	17	7.2	271	0
26	18	7.2	439	1
27	16	6.1	339	1
28	16	6.0	250	1
29	17	7.8	469	1
30	16	7.2	279	1
Detection Percentage: 80 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	11.2	426	1
2	15	12.0	278	0
3	13	19.2	494	1
4	16	11.2	214	1
5	15	14.5	206	1
6	16	13.0	274	1
7	16	11.0	253	0
8	14	12.1	267	1
9	15	17.9	396	1
10	13	14.1	247	1
11	15	12.0	246	1
12	15	18.3	414	1
13	15	16.8	289	0
14	12	16.5	206	1
15	13	17.3	470	1
16	14	11.0	484	0
17	15	11.3	261	1
18	14	14.3	233	0
19	13	14.2	388	1
20	16	12.5	310	1
21	16	14.6	320	1
22	14	15.7	301	1
23	15	19.4	317	1
24	12	14.5	206	0
25	15	17.8	495	1
26	15	14.5	415	1
27	16	19.1	304	1
28	13	16.4	318	1
29	14	12.7	254	1
30	15	18.1	496	0
Detection Percentage: 76.7 % (>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	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5494.7	1
12	5494.7	1
13	5493.9	1
14	5495.1	1
15	5497.1	1
16	5493.5	1
17	5493.9	1
18	5499.1	1
19	5499.1	1
20	5494.3	1
21	5501.7	1
22	5503.3	1
23	5504.1	1
24	5505.7	1
25	5503.3	1
26	5504.9	1
27	5500.9	1
28	5501.7	1
29	5503.7	1
30	5502.1	1
Detection Percentage: 100 % (>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	10	59.2	1211		0.515572	1
1	3	10	95.4	1957	1437	1.106962	
2	2	10	53.6	1089		1.760196	
3	1	10	83.3			2.519634	
4	2	10	51.9	1244		2.943831	
5	2	10	79.2	1909		3.864386	
6	3	10	87.3	1368	1435	4.811903	
7	3	10	78.6	1543	1087	5.075788	
8	3	10	75.1	1567	1854	5.999094	
9	2	10	75.6	1455		6.784990	
10	2	10	82.6	1090		7.103754	
11	3	10	96.8	1057	1909	8.202704	
12	2	10	57.7	1354		8.957337	
13	2	10	96.8	1633		9.224819	
14	2	10	56.9	1644		9.991979	
15	2	10	89.3	1291		11.083197	
16	3	10	50.8	1367	1701	11.731445	

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	12	77.7	1405	1988	0.565939	1
1	1	12	54.1			1.264605	
2	2	12	52.1	1068		2.895913	
3	2	12	71.3	1345		3.497989	
4	1	12	69.1			4.707747	
5	1	12	58.8			5.650543	
6	2	12	91.9	1126		6.679025	
7	2	12	67.9	1840		8.051651	
8	3	12	53.2	1621	1815	9.754060	
9	3	12	52.9	1740	1158	10.235313	
10	3	12	52.1	1552	1365	11.676886	

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	61.3	1460		0.406141	
1	1	6	89.7			1.071619	
2	1	6	98.1			2.034379	
3	2	6	68.7	1474		3.194662	
4	1	6	90.3			3.378650	
5	3	6	51.3	1201	1037	4.018748	
6	3	6	69.3	1825	1781	5.351501	
7	3	6	58.1	1741	1503	5.822942	1
8	2	6	88.5	1046		7.025061	
9	1	6	90.1			7.269661	
10	2	6	58.3	1415		8.250404	
11	3	6	64.4	1056	1035	9.535308	
12	3	6	74.4	1900	1943	10.173375	
13	2	6	98.7	1664		10.925282	
14	2	6	62.9	1008		11.760645	

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	12	64.6	1459		0.109534	
1	2	12	65.5	1792		0.984763	
2	2	12	71.4	1260		1.350156	
3	1	12	76.3			2.301729	
4	2	12	53.3	1175		3.014079	
5	2	12	68.8	1344		3.666487	
6	2	12	53.0	1647		4.040687	
7	2	12	52.6	1281		4.519919	
8	3	12	59.8	1499	1387	5.341837	
9	1	12	69.3			5.867182	1
10	3	12	59.0	1580	1177	6.920449	
11	2	12	73.9	1753		7.521364	
12	2	12	58.7	1275		7.642108	
13	1	12	60.7			8.355092	
14	2	12	99.0	1768		9.220988	
15	2	12	94.4	1845		10.051804	
16	2	12	70.0	1553		10.610211	
17	2	12	74.9	1512		11.308739	
18	1	12	77.8			11.973566	

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	1	12	88.9			0.761634	1
1	3	12	84.8	1356	1835	1.815120	
2	1	12	66.8			3.502782	
3	2	12	63.9	1972		4.616370	
4	2	12	97.7	1910		5.572448	
5	2	12	87.2	1357		7.746109	
6	2	12	60.1	1350		8.182100	
7	2	12	50.1	1221		9.927888	
8	2	12	97.0	1863		10.800838	

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	5	61.3			0.824470	1
1	3	5	90.6	1319	1147	1.465769	
2	2	5	62.4	1681		1.812564	
3	2	5	66.9	1923		2.883288	
4	2	5	71.7	1653		3.505561	
5	3	5	52.9	1301	1108	4.583403	
6	2	5	74.5	1607		5.757222	
7	1	5	72.7			6.813132	
8	1	5	95.6			7.479776	
9	2	5	73.7	1466		8.260520	
10	2	5	59.1	1646		8.868105	
11	2	5	94.9	1117		10.027067	
12	2	5	82.9	1397		10.505383	
13	3	5	55.3	1286	1651	11.713671	

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	58.0	1664	1255	0.933585	
1	2	11	85.5	1198		1.232336	
2	2	11	51.7	1300		3.102930	
3	3	11	75.5	1074	1435	4.036528	
4	3	11	90.8	1654	1184	4.781090	
5	2	11	75.4	1268		6.284913	1
6	2	11	56.5	1601		6.548185	
7	3	11	64.0	1300	1078	7.647498	
8	1	11	58.0			9.311944	
9	3	11	89.4	1822	1027	9.923013	
10	2	11	66.2	1811		11.033082	

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	3	7	75.4	1460	1036	0.059896	
1	2	7	54.1	1173		1.166128	
2	2	7	65.8	1957		1.508742	
3	2	7	55.7	1615		2.521506	
4	1	7	69.3			2.807331	
5	1	7	84.9			3.186729	
6	3	7	68.8	1232	1918	4.246886	
7	2	7	77.3	1547		4.445032	
8	2	7	65.7	1553		5.577417	
9	2	7	52.9	1510		5.801473	1
10	2	7	99.6	1290		6.742004	
11	3	7	51.6	1374	1192	7.231959	
12	3	7	79.4	1625	1929	8.098380	
13	1	7	66.8			8.806271	
14	2	7	83.2	1652		9.016859	
15	3	7	62.9	1476	1491	9.967856	
16	2	7	53.7	1836		10.293562	
17	3	7	70.8	1202	1021	11.318768	
18	3	7	84.2	1641	1486	11.977677	

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	12	60.5	1778		0.073280	1
1	2	12	83.3	1687		1.913313	
2	2	12	64.8	1934		3.292200	
3	3	12	94.6	1341	1844	4.605894	
4	1	12	64.5			5.615662	
5	2	12	84.3	1066		6.468492	
6	2	12	92.4	1953		7.682777	
7	2	12	77.1	1004		9.583046	
8	2	12	79.3	1221		10.766513	
9	1	12	75.3			11.655241	

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	6	75.9	1550		0.308891	1
1	2	6	66.8	1280		1.331746	
2	2	6	53.3	1221		2.505695	
3	1	6	77.6			3.255870	
4	2	6	57.3	1510		3.953249	
5	2	6	74.5	1733		4.950799	
6	1	6	99.5			6.246278	
7	3	6	93.9	1975	1066	7.196571	
8	1	6	65.3			7.962552	
9	1	6	53.4			8.873267	
10	1	6	69.5			9.934521	
11	2	6	61.4	1299		10.290594	
12	3	6	50.3	1257	1549	11.174654	

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	8	89.6	1419		0.559809	1
1	2	8	51.2	1311		0.987442	
2	1	8	51.0			1.308497	
3	2	8	77.1	1029		1.810582	
4	1	8	87.0			2.812470	
5	2	8	53.5	1018		3.065189	
6	2	8	80.2	1107		3.745228	
7	3	8	56.2	1689	1547	4.468386	
8	1	8	52.5			4.906202	
9	1	8	89.0			5.968805	
10	2	8	74.1	1958		6.415966	
11	2	8	98.3	1468		6.724480	
12	3	8	69.0	1916	1038	7.279041	
13	2	8	80.7	1543		8.057292	
14	2	8	96.6	1964		8.808518	
15	2	8	50.1	1261		9.184753	
16	1	8	73.3			10.041460	
17	2	8	76.8	1644		10.507069	
18	2	8	92.8	1135		11.350753	
19	3	8	71.6	1561	1095	11.875092	

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	92.9	1494	1264	0.850463	1
1	1	8	60.2			0.863223	
2	2	8	65.2	1730		1.736454	
3	2	8	78.1	1764		2.571549	
4	3	8	80.9	1902	1510	3.543867	
5	1	8	90.8			4.684985	
6	3	8	89.5	1441	1981	5.251269	
7	2	8	67.6	1408		6.267533	
8	2	8	56.8	1250		7.213040	
9	2	8	75.5	1304		7.947103	
10	1	8	89.3			8.768559	
11	3	8	56.4	1115	1723	9.661501	
12	2	8	52.2	1618		10.357335	
13	2	8	62.4	1249		11.299149	

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	6	62.6	1083		0.277443	1
1	2	6	75.1	1510		1.278610	
2	1	6	60.4			2.596328	
3	3	6	69.3	1247	1462	3.895058	
4	1	6	82.7			4.579028	
5	2	6	62.6	1256		5.107459	
6	1	6	82.6			6.473952	
7	3	6	57.1	1682	1294	7.537281	
8	1	6	51.8			8.435253	
9	2	6	56.8	1623		9.974105	
10	2	6	98.1	1750		10.409412	
11	1	6	89.6			11.086586	

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	9	91.6	1234	1638	0.353482	1
1	2	9	58.5	1254		1.343617	
2	2	9	82.7	1355		2.099845	
3	3	9	81.4	1572	1935	2.719169	
4	3	9	81.2	1109	1469	3.567325	
5	2	9	62.3	1375		4.804765	
6	3	9	84.6	1804	1079	5.490957	
7	1	9	91.0			6.623392	
8	2	9	71.9	1803		7.515345	
9	1	9	76.0			7.813408	
10	1	9	89.6			9.303509	
11	3	9	80.5	1977	1920	9.604073	
12	2	9	57.9	1646		10.746975	
13	2	9	76.4	1027		11.859544	

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	2	14	76.4	1143		0.508977	
1	1	14	54.4			1.167365	
2	1	14	83.0			1.435406	
3	3	14	71.3	1376	1018	2.146580	
4	2	14	66.9	1253		3.319605	
5	2	14	75.8	1006		3.868462	
6	3	14	53.3	1818	1893	4.788740	
7	2	14	82.1	1574		5.103422	
8	3	14	54.3	1325	1576	6.252850	1
9	3	14	74.9	1155	1137	6.476479	
10	2	14	80.3	1280		7.063578	
11	1	14	87.7			7.989157	
12	2	14	68.4	1822		8.962899	
13	1	14	78.6			9.610268	
14	2	14	86.3	1587		10.010029	
15	3	14	55.2	1165	1004	10.984065	
16	3	14	95.3	1514	1694	11.389319	

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	3	5	53.8	1995	1380	0.097502	
1	1	5	89.9			1.064910	
2	2	5	90.4	1219		2.498978	
3	3	5	82.4	1248	1907	3.321026	
4	2	5	96.5	1410		3.954435	
5	2	5	77.1	1025		5.093011	
6	3	5	98.5	1064	1692	5.237525	1
7	3	5	63.6	1931	1024	6.455989	
8	2	5	82.3	1637		7.221531	
9	3	5	97.5	1340	1713	8.440619	
10	2	5	71.7	1314		9.075972	
11	1	5	93.0			10.022036	
12	1	5	60.5			10.491441	
13	1	5	89.6			11.470733	

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	82.0	1986		0.735475	1
1	3	6	91.8	1618	1780	1.874178	
2	2	6	93.9	1212		2.892971	
3	1	6	75.1			3.933158	
4	3	6	72.5	1950	1363	4.659963	
5	2	6	63.2	1692		5.713289	
6	2	6	56.1	1477		6.551222	
7	2	6	50.1	1044		7.366853	
8	3	6	75.2	1054	1085	8.197986	
9	1	6	52.1			9.859626	
10	3	6	99.5	1302	1273	10.527291	
11	3	6	88.5	1148	1472	11.079528	

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	68.4	1979		0.297532	1
1	3	19	81.7	1495	1735	1.195452	
2	2	19	61.7	1730		2.142538	
3	1	19	53.1			2.674594	
4	3	19	57.5	1996	1328	3.361170	
5	1	19	97.7			4.164760	
6	1	19	76.7			4.766764	
7	1	19	61.2			5.508578	
8	2	19	62.4	1688		6.557290	
9	3	19	55.4	1653	1400	7.259253	
10	1	19	63.7			7.970423	
11	1	19	86.0			8.499877	
12	1	19	63.9			9.376000	
13	2	19	89.8	1293		9.760871	
14	3	19	60.8	1890	1676	11.106491	
15	1	19	73.4			11.913070	

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	19	95.7	1086		0.307529	
1	2	19	64.0	1567		2.645304	
2	2	19	56.2	1932		3.860427	
3	1	19	85.5			4.720127	
4	3	19	60.2	1407	1078	6.213731	1
5	3	19	61.3	1718	1389	6.842371	
6	1	19	76.6			8.058647	
7	2	19	89.0	1416		9.901861	
8	1	19	96.2			11.180057	

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	7	80.9	1829		0.389544	
1	1	7	70.8			0.756421	
2	3	7	51.4	1849	1412	1.976859	
3	3	7	70.2	1408	1993	2.598655	
4	3	7	51.7	1716	1315	3.559355	
5	2	7	54.4	1495		4.407951	
6	3	7	83.8	1740	1374	5.200200	
7	3	7	72.4	1252	1046	5.485458	1
8	2	7	70.2	1655		6.086713	
9	3	7	90.3	1783	1341	6.989234	
10	3	7	97.3	1711	1994	7.819523	
11	3	7	76.3	1330	1087	8.370530	
12	2	7	98.1	1366		9.336591	
13	2	7	61.0	1615		10.185539	
14	2	7	57.9	1107		10.527448	
15	3	7	87.9	1166	1031	11.658437	

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	3	17	67.3	1203	1107	0.989176	1
1	1	17	79.1			1.735621	
2	2	17	81.6	1102		2.664425	
3	2	17	99.7	1315		3.801983	
4	1	17	74.5			4.970780	
5	2	17	68.5	1054		5.115359	
6	2	17	71.1	1494		6.528571	
7	2	17	72.4	1950		7.965404	
8	2	17	81.8	1527		8.934101	
9	2	17	60.7	1255		9.839995	
10	3	17	93.8	1229	1261	10.112486	
11	3	17	58.3	1534	1951	11.458365	

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	13	65.6	1369		0.251127	1
1	2	13	69.9	1473		0.742248	
2	2	13	81.8	1238		1.573926	
3	3	13	99.1	1538	1011	2.313781	
4	2	13	91.0	1729		3.172725	
5	1	13	50.6			3.889287	
6	3	13	89.8	1298	1658	4.542176	
7	2	13	81.6	1519		5.027751	
8	2	13	82.1	1503		5.794706	
9	3	13	72.0	1874	1889	6.591337	
10	1	13	67.8			6.977148	
11	2	13	99.3	1876		7.664097	
12	3	13	54.6	1019	1402	8.174663	
13	2	13	69.8	1708		8.884276	
14	1	13	69.9			9.841634	
15	2	13	77.8	1042		10.040321	
16	1	13	67.5			10.865719	
17	2	13	99.5	1042		11.902397	

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	11	62.7	1306		0.126257	1
1	3	11	55.8	1225	1971	1.826264	
2	2	11	87.6	1807		2.400487	
3	1	11	96.6			3.405921	
4	1	11	94.5			4.615583	
5	2	11	78.3	1813		5.862089	
6	2	11	65.2	1464		6.198047	
7	3	11	53.1	1833	1633	7.081428	
8	2	11	51.7	1470		8.901944	
9	2	11	87.3	1676		9.219229	
10	2	11	88.2	1483		10.441830	
11	3	11	73.4	1509	1427	11.558632	

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	7	58.3			0.563410	1
1	3	7	84.6	1922	1620	0.825840	
2	2	7	78.2	1491		1.861505	
3	2	7	67.1	1576		2.665152	
4	1	7	76.2			3.221131	
5	2	7	88.5	1008		4.396410	
6	1	7	59.2			4.554223	
7	2	7	66.1	1809		5.989897	
8	2	7	96.6	1540		6.031026	
9	2	7	69.5	1114		7.374116	
10	1	7	57.3			7.876198	
11	1	7	75.7			8.627006	
12	1	7	61.7			9.373815	
13	2	7	54.9	1793		10.357066	
14	1	7	52.0			10.962916	
15	2	7	90.7	1355		11.378131	

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	13	73.9	1900		0.506828	1
1	2	13	77.2	1117		1.322227	
2	3	13	84.9	1385	1233	3.221289	
3	2	13	61.9	1567		3.541557	
4	2	13	76.1	1595		4.365707	
5	2	13	88.5	1107		5.725708	
6	2	13	79.6	1784		7.297268	
7	2	13	68.1	1653		8.128671	
8	3	13	72.3	1706	1926	9.149730	
9	3	13	69.0	1445	1603	10.528860	
10	2	13	79.6	1156		11.122156	

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	9	84.7			0.380356	1
1	1	9	54.6			1.145830	
2	3	9	87.7	1569	1607	1.692991	
3	2	9	60.2	1810		2.127357	
4	2	9	79.1	1185		2.911257	
5	2	9	57.4	1850		3.714973	
6	1	9	69.1			4.125182	
7	2	9	64.5	1347		5.125440	
8	2	9	50.7	1006		5.465808	
9	2	9	54.4	1251		6.101044	
10	2	9	66.4	1727		6.762519	
11	3	9	91.6	1020	1923	7.517078	
12	2	9	73.5	1043		8.370798	
13	3	9	92.8	1634	1289	9.006372	
14	3	9	58.6	1510	1176	9.801830	
15	2	9	81.0	1115		10.637448	
16	2	9	77.0	1312		11.253380	
17	2	9	85.2	1442		11.957330	

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	19	93.8	1688	1005	0.225526	1
1	2	19	92.1	1682		1.432250	
2	1	19	87.6			1.748930	
3	2	19	96.3	1698		2.408418	
4	2	19	97.5	1561		3.263351	
5	3	19	88.1	1365	1771	4.528408	
6	1	19	66.1			4.915003	
7	1	19	92.0			5.712088	
8	3	19	55.5	1129	1041	6.601697	
9	2	19	73.8	1787		7.767930	
10	1	19	87.9			8.330225	
11	3	19	70.7	1500	1854	9.408102	
12	3	19	50.7	1433	1481	9.922415	
13	1	19	82.8			10.972654	
14	3	19	97.5	1664	1772	11.773120	

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	17	55.6	1541		0.740245	1
1	2	17	77.3	1695		1.418489	
2	1	17	89.8			2.235641	
3	2	17	55.3	1244		3.568950	
4	1	17	57.7			4.142596	
5	2	17	59.7	1570		5.965363	
6	2	17	91.8	1693		6.749373	
7	2	17	86.3	1191		7.127357	
8	1	17	93.1			8.468150	
9	1	17	97.2			9.727132	
10	1	17	95.9			10.573334	
11	1	17	55.3			11.373393	

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	12	71.9			0.635773	1
1	1	12	55.1			0.786672	
2	2	12	72.3	1434		1.510487	
3	2	12	71.3	1496		2.140732	
4	1	12	89.3			3.329123	
5	2	12	57.3	1431		3.976167	
6	1	12	51.5			4.807484	
7	3	12	93.7	1632	1272	5.489135	
8	2	12	53.8	1025		5.836075	
9	2	12	74.7	1506		6.748736	
10	2	12	60.6	1572		7.463630	
11	2	12	69.3	1119		8.419846	
12	3	12	61.4	1665	1876	8.682186	
13	1	12	58.0			9.807433	
14	1	12	64.1			10.212882	
15	2	12	57.3	1451		10.700110	
16	2	12	72.6	1578		11.950838	

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	16	92.6	1735	1791	0.176679	
1	3	16	64.4	1822	1208	1.268991	
2	1	16	63.0			1.751950	
3	2	16	81.4	1691		2.345623	
4	1	16	83.9			2.874810	
5	3	16	63.9	1696	1912	3.894304	
6	2	16	70.8	1741		4.278596	
7	1	16	78.6			5.574249	
8	2	16	94.7	1955		6.253950	1
9	1	16	91.8			6.780924	
10	2	16	54.5	1354		7.293953	
11	2	16	77.5	1476		8.355328	
12	2	16	73.6	1918		8.532043	
13	2	16	89.1	1042		9.385030	
14	2	16	97.9	1101		10.499774	
15	2	16	78.3	1344		10.903315	
16	1	16	97.5			11.428200	

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	5500.0	9	1.0	333	1	5295.0, 5483.0, 5537.0, 5539.0, 5631.0, 5321.0, 5635.0, 5622.0, 5257.0, 5318.0, 5520.0, 5724.0, 5502.0, 5479.0, 5523.0, 5488.0, 5348.0, 5452.0, 5289.0, 5445.0, 5617.0, 5700.0, 5711.0, 5651.0, 5484.0, 5721.0, 5528.0, 5485.0, 5447.0, 5522.0, 5258.0, 5668.0, 5288.0, 5494.0, 5566.0, 5678.0, 5699.0, 5719.0, 5364.0, 5705.0, 5547.0, 5473.0, 5591.0, 5417.0, 5595.0, 5510.0, 5340.0, 5409.0, 5461.0, 5659.0, 5368.0, 5273.0, 5506.0, 5371.0, 5501.0, 5715.0, 5507.0, 5372.0, 5524.0, 5323.0, 5637.0, 5549.0, 5532.0, 5337.0, 5665.0, 5660.0, 5513.0, 5514.0, 5615.0, 5261.0, 5366.0, 5477.0, 5594.0, 5344.0, 5378.0, 5640.0, 5675.0, 5278.0, 5512.0, 5439.0, 5468.0, 5274.0, 5267.0, 5260.0, 5487.0, 5361.0, 5633.0, 5434.0, 5689.0, 5305.0, 5717.0, 5459.0, 5373.0, 5569.0, 5664.0, 5396.0, 5620.0, 5428.0, 5354.0, 5683.0 (number of hits: 5)
2	5500.0	9	1.0	333	1	5591.0, 5695.0, 5287.0, 5321.0, 5608.0, 5341.0, 5539.0, 5473.0, 5371.0, 5335.0, 5402.0, 5466.0, 5510.0, 5528.0, 5701.0, 5603.0, 5709.0, 5292.0, 5273.0, 5412.0, 5600.0, 5474.0, 5597.0, 5288.0, 5571.0, 5349.0, 5579.0, 5526.0, 5426.0, 5652.0, 5251.0, 5506.0, 5601.0, 5282.0, 5463.0, 5547.0, 5625.0, 5267.0, 5609.0, 5260.0, 5715.0, 5285.0, 5663.0, 5407.0, 5553.0, 5640.0, 5530.0, 5536.0, 5572.0, 5703.0, 5445.0, 5379.0, 5343.0, 5277.0, 5622.0, 5499.0, 5637.0, 5257.0, 5612.0, 5296.0, 5657.0, 5707.0, 5594.0, 5480.0, 5517.0, 5478.0, 5279.0, 5639.0, 5577.0, 5589.0, 5710.0, 5486.0, 5593.0, 5323.0, 5648.0, 5582.0, 5654.0, 5315.0, 5718.0, 5261.0, 5634.0, 5271.0, 5578.0, 5641.0, 5458.0, 5665.0, 5533.0, 5492.0, 5413.0, 5501.0, 5512.0, 5348.0, 5331.0, 5515.0, 5650.0, 5613.0, 5319.0, 5516.0, 5632.0, 5716.0 (number of hits: 4)
3	5500.0	9	1.0	333	1	5396.0, 5586.0, 5713.0, 5500.0, 5668.0, 5460.0, 5392.0, 5330.0, 5447.0, 5662.0, 5290.0, 5479.0, 5667.0, 5474.0, 5291.0, 5323.0, 5453.0, 5455.0, 5696.0, 5540.0, 5362.0, 5438.0, 5612.0, 5336.0, 5692.0, 5653.0, 5496.0, 5663.0, 5341.0, 5564.0, 5485.0, 5378.0, 5316.0, 5370.0, 5470.0, 5641.0, 5546.0, 5443.0, 5352.0, 5494.0, 5709.0, 5277.0, 5486.0, 5441.0, 5482.0, 5685.0, 5417.0, 5298.0, 5680.0, 5683.0, 5270.0, 5615.0, 5311.0, 5260.0, 5718.0, 5669.0, 5423.0, 5334.0, 5465.0, 5371.0, 5395.0, 5463.0, 5682.0, 5589.0, 5723.0, 5617.0, 5655.0, 5652.0, 5434.0, 5690.0, 5481.0, 5318.0, 5429.0, 5608.0, 5537.0, 5269.0, 5516.0, 5393.0, 5358.0, 5414.0, 5720.0, 5271.0, 5394.0, 5675.0, 5255.0, 5674.0, 5419.0, 5268.0, 5510.0, 5520.0, 5252.0, 5602.0, 5530.0, 5493.0, 5621.0, 5639.0, 5477.0, 5563.0, 5308.0, 5495.0 (number of hits: 5)
4	5500.0	9	1.0	333	1	5299.0, 5418.0, 5703.0, 5695.0, 5325.0, 5482.0, 5646.0, 5445.0, 5408.0, 5450.0, 5590.0, 5606.0, 5558.0, 5433.0, 5693.0, 5621.0, 5711.0, 5593.0, 5611.0, 5362.0, 5497.0, 5718.0, 5287.0, 5345.0, 5260.0, 5531.0, 5435.0, 5439.0, 5431.0, 5682.0, 5305.0, 5421.0, 5395.0, 5691.0, 5365.0, 5713.0, 5523.0, 5642.0, 5603.0, 5443.0, 5322.0, 5647.0, 5461.0, 5618.0, 5565.0, 5517.0, 5599.0, 5572.0, 5428.0, 5405.0, 5696.0, 5556.0, 5667.0, 5333.0, 5659.0, 5591.0, 5580.0, 5379.0, 5259.0, 5451.0, 5684.0, 5334.0, 5344.0, 5683.0, 5460.0, 5314.0, 5518.0, 5459.0, 5278.0, 5504.0, 5610.0, 5274.0, 5468.0, 5253.0, 5633.0, 5631.0, 5719.0, 5359.0, 5628.0, 5547.0, 5650.0, 5679.0, 5486.0, 5526.0, 5582.0, 5490.0, 5437.0, 5583.0, 5644.0, 5424.0, 5276.0, 5448.0, 5513.0, 5478.0, 5665.0, 5417.0, 5350.0, 5281.0, 5560.0, 5289.0 (number of hits: 2)
5	5500.0	9	1.0	333	1	5406.0, 5319.0, 5500.0, 5343.0, 5442.0, 5308.0, 5335.0, 5589.0, 5705.0, 5586.0, 5583.0, 5268.0, 5635.0, 5474.0, 5464.0, 5710.0, 5598.0, 5653.0, 5434.0, 5417.0, 5353.0, 5555.0, 5306.0, 5323.0, 5642.0, 5253.0, 5348.0, 5626.0, 5574.0, 5293.0, 5413.0, 5651.0,

						5613.0, 5657.0, 5520.0, 5643.0, 5617.0, 5479.0, 5659.0, 5568.0, 5272.0, 5680.0, 5530.0, 5403.0, 5267.0, 5278.0, 5349.0, 5438.0, 5376.0, 5546.0, 5433.0, 5281.0, 5261.0, 5492.0, 5453.0, 5450.0, 5469.0, 5426.0, 5344.0, 5368.0, 5390.0, 5490.0, 5341.0, 5362.0, 5435.0, 5446.0, 5481.0, 5686.0, 5671.0, 5332.0, 5639.0, 5668.0, 5569.0, 5655.0, 5365.0, 5370.0, 5454.0, 5337.0, 5457.0, 5445.0, 5491.0, 5449.0, 5437.0, 5539.0, 5425.0, 5347.0, 5326.0, 5665.0, 5681.0, 5573.0, 5715.0, 5509.0, 5596.0, 5317.0, 5532.0, 5640.0, 5607.0, 5294.0, 5428.0, 5264.0 (number of hits: 3)
6	5500.0	9	1.0	333	1	5437.0, 5608.0, 5447.0, 5634.0, 5414.0, 5406.0, 5580.0, 5689.0, 5582.0, 5693.0, 5551.0, 5273.0, 5255.0, 5547.0, 5601.0, 5613.0, 5543.0, 5550.0, 5651.0, 5657.0, 5299.0, 5308.0, 5370.0, 5417.0, 5662.0, 5633.0, 5315.0, 5477.0, 5511.0, 5490.0, 5558.0, 5321.0, 5520.0, 5372.0, 5425.0, 5703.0, 5605.0, 5319.0, 5562.0, 5311.0, 5269.0, 5373.0, 5314.0, 5683.0, 5316.0, 5348.0, 5600.0, 5274.0, 5688.0, 5548.0, 5284.0, 5646.0, 5427.0, 5604.0, 5466.0, 5429.0, 5518.0, 5667.0, 5691.0, 5568.0, 5660.0, 5615.0, 5507.0, 5360.0, 5595.0, 5687.0, 5301.0, 5423.0, 5461.0, 5563.0, 5344.0, 5681.0, 5479.0, 5495.0, 5438.0, 5705.0, 5340.0, 5281.0, 5320.0, 5474.0, 5499.0, 5298.0, 5515.0, 5366.0, 5718.0, 5586.0, 5522.0, 5722.0, 5658.0, 5620.0, 5627.0, 5524.0, 5386.0, 5506.0, 5330.0, 5639.0, 5395.0, 5575.0, 5268.0, 5663.0 (number of hits: 4)
7	5500.0	9	1.0	333	1	5413.0, 5523.0, 5272.0, 5645.0, 5607.0, 5277.0, 5365.0, 5270.0, 5713.0, 5603.0, 5540.0, 5364.0, 5687.0, 5606.0, 5465.0, 5723.0, 5571.0, 5513.0, 5255.0, 5350.0, 5619.0, 5258.0, 5395.0, 5650.0, 5491.0, 5392.0, 5371.0, 5636.0, 5629.0, 5649.0, 5579.0, 5298.0, 5658.0, 5421.0, 5676.0, 5363.0, 5500.0, 5528.0, 5275.0, 5711.0, 5362.0, 5474.0, 5494.0, 5324.0, 5425.0, 5675.0, 5691.0, 5463.0, 5253.0, 5715.0, 5343.0, 5408.0, 5555.0, 5594.0, 5666.0, 5310.0, 5529.0, 5440.0, 5397.0, 5485.0, 5401.0, 5534.0, 5688.0, 5654.0, 5393.0, 5538.0, 5437.0, 5405.0, 5338.0, 5448.0, 5431.0, 5488.0, 5601.0, 5617.0, 5592.0, 5647.0, 5415.0, 5563.0, 5259.0, 5497.0, 5556.0, 5462.0, 5256.0, 5693.0, 5565.0, 5614.0, 5446.0, 5511.0, 5548.0, 5613.0, 5564.0, 5367.0, 5637.0, 5347.0, 5596.0, 5677.0, 5335.0, 5323.0, 5281.0, 5504.0 (number of hits: 5)
8	5500.0	9	1.0	333	1	5550.0, 5362.0, 5517.0, 5397.0, 5393.0, 5365.0, 5479.0, 5556.0, 5692.0, 5316.0, 5431.0, 5677.0, 5662.0, 5396.0, 5481.0, 5386.0, 5702.0, 5529.0, 5266.0, 5602.0, 5264.0, 5578.0, 5456.0, 5436.0, 5444.0, 5684.0, 5500.0, 5579.0, 5713.0, 5723.0, 5495.0, 5443.0, 5447.0, 5614.0, 5464.0, 5405.0, 5410.0, 5528.0, 5721.0, 5292.0, 5573.0, 5627.0, 5526.0, 5561.0, 5596.0, 5576.0, 5618.0, 5318.0, 5271.0, 5717.0, 5440.0, 5302.0, 5518.0, 5565.0, 5463.0, 5524.0, 5483.0, 5611.0, 5646.0, 5324.0, 5426.0, 5409.0, 5423.0, 5343.0, 5285.0, 5644.0, 5415.0, 5435.0, 5433.0, 5706.0, 5364.0, 5282.0, 5631.0, 5643.0, 5398.0, 5477.0, 5298.0, 5252.0, 5369.0, 5256.0, 5319.0, 5452.0, 5487.0, 5404.0, 5384.0, 5623.0, 5714.0, 5648.0, 5370.0, 5610.0, 5652.0, 5269.0, 5510.0, 5255.0, 5359.0, 5381.0, 5560.0, 5470.0, 5582.0, 5461.0 (number of hits: 2)
9	5500.0	9	1.0	333	1	5461.0, 5347.0, 5707.0, 5699.0, 5632.0, 5365.0, 5382.0, 5358.0, 5582.0, 5490.0, 5427.0, 5300.0, 5675.0, 5349.0, 5704.0, 5491.0, 5442.0, 5267.0, 5500.0, 5261.0, 5674.0, 5294.0, 5714.0, 5663.0, 5409.0, 5346.0, 5681.0, 5721.0, 5630.0, 5367.0, 5447.0, 5538.0, 5524.0, 5277.0, 5623.0, 5502.0, 5290.0, 5722.0, 5628.0, 5584.0, 5552.0, 5430.0, 5287.0, 5263.0, 5718.0, 5338.0, 5631.0, 5607.0, 5641.0, 5396.0, 5664.0, 5691.0, 5393.0, 5560.0, 5541.0, 5441.0, 5647.0, 5364.0, 5257.0, 5682.0, 5683.0, 5423.0, 5689.0, 5416.0, 5679.0, 5322.0, 5372.0, 5395.0, 5333.0, 5254.0, 5505.0, 5363.0, 5710.0, 5557.0, 5477.0, 5706.0, 5345.0, 5550.0, 5426.0, 5535.0, 5446.0, 5444.0, 5627.0, 5465.0, 5421.0, 5509.0, 5669.0, 5712.0, 5344.0, 5279.0, 5709.0, 5595.0, 5487.0, 5284.0, 5515.0, 5614.0, 5479.0, 5425.0, 5527.0, 5401.0 (number of hits: 4)
10	5500.0	9	1.0	333	1	5349.0, 5564.0, 5528.0, 5721.0, 5481.0, 5441.0, 5634.0, 5516.0,

						5395.0, 5288.0, 5710.0, 5443.0, 5343.0, 5487.0, 5362.0, 5402.0, 5424.0, 5718.0, 5616.0, 5550.0, 5472.0, 5305.0, 5437.0, 5303.0, 5408.0, 5454.0, 5702.0, 5488.0, 5648.0, 5269.0, 5580.0, 5511.0, 5326.0, 5316.0, 5387.0, 5723.0, 5590.0, 5641.0, 5505.0, 5611.0, 5666.0, 5665.0, 5698.0, 5323.0, 5464.0, 5342.0, 5309.0, 5691.0, 5279.0, 5596.0, 5388.0, 5716.0, 5655.0, 5480.0, 5674.0, 5340.0, 5562.0, 5682.0, 5268.0, 5295.0, 5320.0, 5694.0, 5662.0, 5651.0, 5467.0, 5690.0, 5373.0, 5673.0, 5324.0, 5383.0, 5559.0, 5282.0, 5381.0, 5396.0, 5422.0, 5551.0, 5493.0, 5330.0, 5589.0, 5571.0, 5483.0, 5404.0, 5394.0, 5613.0, 5384.0, 5470.0, 5676.0, 5499.0, 5553.0, 5489.0, 5429.0, 5253.0, 5296.0, 5574.0, 5459.0, 5415.0, 5706.0, 5256.0, 5423.0, 5600.0 (number of hits: 3)
11	5500.0	9	1.0	333	1	5555.0, 5563.0, 5713.0, 5556.0, 5395.0, 5513.0, 5296.0, 5693.0, 5261.0, 5494.0, 5456.0, 5588.0, 5589.0, 5587.0, 5465.0, 5554.0, 5300.0, 5662.0, 5549.0, 5580.0, 5495.0, 5350.0, 5643.0, 5583.0, 5653.0, 5459.0, 5409.0, 5528.0, 5572.0, 5357.0, 5328.0, 5305.0, 5327.0, 5564.0, 5483.0, 5682.0, 5652.0, 5471.0, 5359.0, 5360.0, 5469.0, 5686.0, 5524.0, 5441.0, 5534.0, 5434.0, 5679.0, 5575.0, 5538.0, 5374.0, 5445.0, 5676.0, 5706.0, 5301.0, 5623.0, 5290.0, 5265.0, 5457.0, 5253.0, 5490.0, 5577.0, 5633.0, 5695.0, 5665.0, 5283.0, 5569.0, 5407.0, 5353.0, 5388.0, 5344.0, 5430.0, 5604.0, 5428.0, 5546.0, 5561.0, 5438.0, 5497.0, 5391.0, 5404.0, 5496.0, 5332.0, 5422.0, 5284.0, 5352.0, 5510.0, 5680.0, 5303.0, 5333.0, 5705.0, 5293.0, 5372.0, 5454.0, 5262.0, 5658.0, 5585.0, 5307.0, 5455.0, 5531.0, 5334.0, 5345.0 (number of hits: 4)
12	5500.0	9	1.0	333	1	5701.0, 5700.0, 5253.0, 5706.0, 5265.0, 5318.0, 5530.0, 5453.0, 5547.0, 5638.0, 5645.0, 5512.0, 5509.0, 5555.0, 5421.0, 5435.0, 5690.0, 5657.0, 5365.0, 5719.0, 5581.0, 5637.0, 5448.0, 5659.0, 5723.0, 5306.0, 5628.0, 5370.0, 5385.0, 5644.0, 5461.0, 5600.0, 5266.0, 5576.0, 5437.0, 5623.0, 5404.0, 5535.0, 5396.0, 5270.0, 5656.0, 5525.0, 5665.0, 5287.0, 5546.0, 5607.0, 5507.0, 5682.0, 5427.0, 5290.0, 5696.0, 5258.0, 5500.0, 5469.0, 5428.0, 5574.0, 5283.0, 5332.0, 5717.0, 5520.0, 5279.0, 5326.0, 5619.0, 5480.0, 5492.0, 5484.0, 5684.0, 5650.0, 5479.0, 5567.0, 5352.0, 5483.0, 5699.0, 5312.0, 5688.0, 5307.0, 5532.0, 5310.0, 5557.0, 5323.0, 5721.0, 5333.0, 5280.0, 5380.0, 5718.0, 5470.0, 5338.0, 5337.0, 5476.0, 5446.0, 5300.0, 5490.0, 5272.0, 5596.0, 5622.0, 5429.0, 5405.0, 5451.0, 5493.0, 5711.0 (number of hits: 4)
13	5500.0	9	1.0	333	1	5598.0, 5435.0, 5649.0, 5587.0, 5428.0, 5662.0, 5471.0, 5666.0, 5543.0, 5681.0, 5528.0, 5544.0, 5521.0, 5411.0, 5539.0, 5467.0, 5284.0, 5486.0, 5403.0, 5462.0, 5383.0, 5305.0, 5386.0, 5668.0, 5385.0, 5721.0, 5278.0, 5524.0, 5555.0, 5618.0, 5391.0, 5433.0, 5375.0, 5678.0, 5534.0, 5332.0, 5351.0, 5669.0, 5630.0, 5347.0, 5256.0, 5432.0, 5645.0, 5374.0, 5340.0, 5422.0, 5553.0, 5416.0, 5288.0, 5341.0, 5576.0, 5406.0, 5695.0, 5389.0, 5331.0, 5358.0, 5646.0, 5628.0, 5338.0, 5285.0, 5689.0, 5387.0, 5394.0, 5559.0, 5530.0, 5552.0, 5676.0, 5292.0, 5561.0, 5424.0, 5512.0, 5603.0, 5478.0, 5483.0, 5452.0, 5691.0, 5600.0, 5361.0, 5352.0, 5500.0, 5538.0, 5442.0, 5631.0, 5670.0, 5363.0, 5490.0, 5466.0, 5607.0, 5624.0, 5348.0, 5627.0, 5617.0, 5453.0, 5547.0, 5639.0, 5515.0, 5605.0, 5313.0, 5353.0, 5399.0 (number of hits: 1)
14	5500.0	9	1.0	333	1	5322.0, 5325.0, 5346.0, 5374.0, 5327.0, 5652.0, 5383.0, 5641.0, 5629.0, 5679.0, 5440.0, 5598.0, 5502.0, 5526.0, 5673.0, 5471.0, 5636.0, 5312.0, 5558.0, 5657.0, 5480.0, 5453.0, 5265.0, 5574.0, 5544.0, 5390.0, 5708.0, 5577.0, 5436.0, 5572.0, 5676.0, 5488.0, 5362.0, 5701.0, 5492.0, 5459.0, 5516.0, 5560.0, 5373.0, 5361.0, 5305.0, 5675.0, 5308.0, 5659.0, 5709.0, 5663.0, 5371.0, 5498.0, 5661.0, 5279.0, 5343.0, 5722.0, 5671.0, 5349.0, 5364.0, 5404.0, 5711.0, 5497.0, 5430.0, 5423.0, 5706.0, 5416.0, 5666.0, 5451.0, 5465.0, 5672.0, 5294.0, 5688.0, 5350.0, 5287.0, 5381.0, 5289.0, 5550.0, 5654.0, 5674.0, 5640.0, 5616.0, 5621.0, 5523.0, 5678.0, 5643.0, 5689.0, 5439.0, 5656.0, 5406.0, 5703.0, 5542.0, 5467.0,

						5481.0, 5317.0, 5389.0, 5320.0, 5588.0, 5594.0, 5298.0, 5623.0, 5391.0, 5677.0, 5531.0, 5326.0 (number of hits: 4)
15	5500.0	9	1.0	333	1	5564.0, 5290.0, 5704.0, 5277.0, 5293.0, 5545.0, 5666.0, 5576.0, 5514.0, 5593.0, 5276.0, 5337.0, 5674.0, 5622.0, 5438.0, 5315.0, 5288.0, 5311.0, 5263.0, 5594.0, 5471.0, 5251.0, 5711.0, 5489.0, 5256.0, 5652.0, 5416.0, 5366.0, 5408.0, 5668.0, 5542.0, 5552.0, 5455.0, 5323.0, 5390.0, 5400.0, 5579.0, 5686.0, 5364.0, 5414.0, 5321.0, 5328.0, 5558.0, 5352.0, 5559.0, 5444.0, 5543.0, 5342.0, 5261.0, 5447.0, 5506.0, 5289.0, 5505.0, 5413.0, 5478.0, 5367.0, 5707.0, 5287.0, 5660.0, 5696.0, 5347.0, 5692.0, 5353.0, 5507.0, 5631.0, 5393.0, 5351.0, 5305.0, 5643.0, 5723.0, 5720.0, 5254.0, 5469.0, 5607.0, 5624.0, 5712.0, 5387.0, 5518.0, 5474.0, 5587.0, 5621.0, 5512.0, 5374.0, 5360.0, 5649.0, 5398.0, 5672.0, 5325.0, 5569.0, 5682.0, 5644.0, 5411.0, 5415.0, 5428.0, 5619.0, 5470.0, 5308.0, 5534.0, 5326.0, 5520.0 (number of hits: 3)
16	5500.0	9	1.0	333	1	5453.0, 5568.0, 5399.0, 5676.0, 5692.0, 5393.0, 5617.0, 5611.0, 5602.0, 5306.0, 5478.0, 5684.0, 5619.0, 5661.0, 5670.0, 5312.0, 5576.0, 5544.0, 5720.0, 5302.0, 5662.0, 5686.0, 5569.0, 5448.0, 5560.0, 5490.0, 5501.0, 5526.0, 5268.0, 5429.0, 5690.0, 5525.0, 5585.0, 5616.0, 5254.0, 5723.0, 5305.0, 5400.0, 5330.0, 5706.0, 5280.0, 5537.0, 5514.0, 5412.0, 5259.0, 5647.0, 5274.0, 5333.0, 5464.0, 5352.0, 5298.0, 5688.0, 5367.0, 5606.0, 5533.0, 5649.0, 5322.0, 5709.0, 5426.0, 5319.0, 5374.0, 5572.0, 5557.0, 5555.0, 5354.0, 5320.0, 5673.0, 5419.0, 5328.0, 5256.0, 5341.0, 5604.0, 5359.0, 5615.0, 5573.0, 5498.0, 5394.0, 5492.0, 5421.0, 5704.0, 5563.0, 5547.0, 5293.0, 5614.0, 5625.0, 5579.0, 5401.0, 5307.0, 5423.0, 5414.0, 5365.0, 5721.0, 5415.0, 5435.0, 5668.0, 5262.0, 5566.0, 5300.0, 5428.0, 5646.0 (number of hits: 3)
17	5500.0	9	1.0	333	1	5303.0, 5588.0, 5661.0, 5500.0, 5327.0, 5709.0, 5580.0, 5389.0, 5710.0, 5474.0, 5568.0, 5640.0, 5312.0, 5573.0, 5584.0, 5533.0, 5700.0, 5461.0, 5502.0, 5253.0, 5458.0, 5629.0, 5452.0, 5663.0, 5510.0, 5499.0, 5529.0, 5283.0, 5260.0, 5371.0, 5326.0, 5651.0, 5434.0, 5368.0, 5265.0, 5603.0, 5251.0, 5675.0, 5611.0, 5376.0, 5383.0, 5335.0, 5578.0, 5655.0, 5493.0, 5583.0, 5369.0, 5271.0, 5641.0, 5654.0, 5472.0, 5526.0, 5254.0, 5328.0, 5400.0, 5685.0, 5413.0, 5418.0, 5366.0, 5456.0, 5609.0, 5419.0, 5449.0, 5364.0, 5677.0, 5525.0, 5451.0, 5489.0, 5252.0, 5325.0, 5262.0, 5577.0, 5602.0, 5385.0, 5411.0, 5485.0, 5531.0, 5619.0, 5307.0, 5476.0, 5598.0, 5382.0, 5703.0, 5694.0, 5488.0, 5723.0, 5430.0, 5498.0, 5534.0, 5618.0, 5683.0, 5514.0, 5687.0, 5295.0, 5284.0, 5398.0, 5595.0, 5497.0, 5541.0, 5316.0 (number of hits: 6)
18	5500.0	9	1.0	333	1	5714.0, 5387.0, 5661.0, 5600.0, 5458.0, 5550.0, 5468.0, 5503.0, 5567.0, 5546.0, 5494.0, 5668.0, 5537.0, 5281.0, 5477.0, 5612.0, 5534.0, 5312.0, 5492.0, 5562.0, 5325.0, 5521.0, 5539.0, 5308.0, 5309.0, 5452.0, 5632.0, 5624.0, 5706.0, 5709.0, 5361.0, 5296.0, 5674.0, 5583.0, 5489.0, 5373.0, 5407.0, 5676.0, 5447.0, 5701.0, 5290.0, 5549.0, 5431.0, 5573.0, 5640.0, 5553.0, 5267.0, 5510.0, 5505.0, 5408.0, 5291.0, 5406.0, 5343.0, 5629.0, 5671.0, 5388.0, 5547.0, 5572.0, 5542.0, 5662.0, 5569.0, 5618.0, 5645.0, 5320.0, 5509.0, 5587.0, 5658.0, 5478.0, 5628.0, 5420.0, 5264.0, 5651.0, 5712.0, 5409.0, 5596.0, 5356.0, 5269.0, 5353.0, 5538.0, 5297.0, 5460.0, 5445.0, 5470.0, 5322.0, 5490.0, 5311.0, 5391.0, 5418.0, 5563.0, 5483.0, 5700.0, 5548.0, 5544.0, 5555.0, 5675.0, 5692.0, 5529.0, 5575.0, 5379.0, 5508.0 (number of hits: 5)
19	5500.0	9	1.0	333	1	5646.0, 5711.0, 5379.0, 5264.0, 5309.0, 5268.0, 5399.0, 5305.0, 5364.0, 5519.0, 5326.0, 5658.0, 5715.0, 5580.0, 5603.0, 5368.0, 5629.0, 5605.0, 5466.0, 5664.0, 5716.0, 5569.0, 5544.0, 5286.0, 5668.0, 5404.0, 5262.0, 5635.0, 5608.0, 5495.0, 5479.0, 5703.0, 5652.0, 5336.0, 5559.0, 5542.0, 5610.0, 5461.0, 5463.0, 5269.0, 5508.0, 5289.0, 5589.0, 5415.0, 5527.0, 5710.0, 5618.0, 5337.0, 5624.0, 5308.0, 5709.0, 5430.0, 5356.0, 5334.0, 5391.0, 5692.0, 5604.0, 5684.0, 5643.0, 5317.0, 5541.0, 5377.0, 5686.0, 5284.0,

						5483.0, 5609.0, 5523.0, 5549.0, 5285.0, 5454.0, 5394.0, 5426.0, 5562.0, 5681.0, 5662.0, 5382.0, 5584.0, 5644.0, 5420.0, 5498.0, 5677.0, 5612.0, 5613.0, 5602.0, 5693.0, 5530.0, 5571.0, 5298.0, 5457.0, 5311.0, 5413.0, 5281.0, 5252.0, 5339.0, 5357.0, 5680.0, 5270.0, 5441.0, 5511.0, 5586.0 (number of hits: 3)
20	5500.0	9	1.0	333	1	5280.0, 5585.0, 5611.0, 5326.0, 5711.0, 5532.0, 5706.0, 5519.0, 5577.0, 5314.0, 5391.0, 5683.0, 5720.0, 5687.0, 5378.0, 5646.0, 5477.0, 5252.0, 5559.0, 5361.0, 5680.0, 5622.0, 5564.0, 5448.0, 5312.0, 5368.0, 5494.0, 5317.0, 5602.0, 5583.0, 5498.0, 5388.0, 5455.0, 5718.0, 5418.0, 5318.0, 5634.0, 5489.0, 5458.0, 5292.0, 5716.0, 5457.0, 5523.0, 5331.0, 5324.0, 5589.0, 5399.0, 5484.0, 5691.0, 5366.0, 5462.0, 5684.0, 5584.0, 5377.0, 5700.0, 5395.0, 5593.0, 5470.0, 5582.0, 5423.0, 5682.0, 5518.0, 5592.0, 5562.0, 5629.0, 5363.0, 5617.0, 5552.0, 5422.0, 5261.0, 5364.0, 5347.0, 5557.0, 5591.0, 5614.0, 5661.0, 5709.0, 5424.0, 5618.0, 5440.0, 5402.0, 5325.0, 5663.0, 5717.0, 5304.0, 5371.0, 5365.0, 5288.0, 5323.0, 5571.0, 5686.0, 5648.0, 5578.0, 5407.0, 5434.0, 5573.0, 5650.0, 5267.0, 5544.0, 5561.0 (number of hits: 2)
21	5500.0	9	1.0	333	1	5499.0, 5455.0, 5488.0, 5388.0, 5323.0, 5279.0, 5448.0, 5687.0, 5292.0, 5527.0, 5269.0, 5259.0, 5703.0, 5510.0, 5614.0, 5472.0, 5307.0, 5263.0, 5495.0, 5492.0, 5277.0, 5578.0, 5364.0, 5453.0, 5598.0, 5509.0, 5651.0, 5711.0, 5389.0, 5485.0, 5605.0, 5257.0, 5633.0, 5596.0, 5676.0, 5577.0, 5542.0, 5426.0, 5652.0, 5639.0, 5386.0, 5717.0, 5440.0, 5643.0, 5679.0, 5446.0, 5484.0, 5343.0, 5265.0, 5395.0, 5415.0, 5722.0, 5281.0, 5425.0, 5503.0, 5640.0, 5556.0, 5721.0, 5602.0, 5673.0, 5296.0, 5665.0, 5684.0, 5383.0, 5273.0, 5649.0, 5597.0, 5682.0, 5512.0, 5538.0, 5715.0, 5289.0, 5431.0, 5680.0, 5352.0, 5272.0, 5658.0, 5449.0, 5313.0, 5280.0, 5644.0, 5468.0, 5297.0, 5311.0, 5522.0, 5432.0, 5299.0, 5473.0, 5622.0, 5600.0, 5491.0, 5704.0, 5710.0, 5270.0, 5647.0, 5253.0, 5565.0, 5478.0, 5489.0, 5521.0 (number of hits: 5)
22	5500.0	9	1.0	333	1	5390.0, 5275.0, 5332.0, 5584.0, 5454.0, 5253.0, 5311.0, 5296.0, 5718.0, 5557.0, 5323.0, 5675.0, 5724.0, 5279.0, 5304.0, 5696.0, 5519.0, 5674.0, 5514.0, 5394.0, 5508.0, 5649.0, 5351.0, 5624.0, 5554.0, 5671.0, 5520.0, 5255.0, 5547.0, 5694.0, 5697.0, 5681.0, 5606.0, 5400.0, 5475.0, 5691.0, 5540.0, 5711.0, 5269.0, 5700.0, 5608.0, 5655.0, 5280.0, 5549.0, 5664.0, 5719.0, 5405.0, 5446.0, 5570.0, 5444.0, 5300.0, 5348.0, 5507.0, 5431.0, 5610.0, 5560.0, 5605.0, 5261.0, 5558.0, 5650.0, 5602.0, 5646.0, 5509.0, 5418.0, 5429.0, 5366.0, 5715.0, 5692.0, 5556.0, 5478.0, 5276.0, 5523.0, 5378.0, 5622.0, 5619.0, 5425.0, 5601.0, 5686.0, 5316.0, 5517.0, 5633.0, 5470.0, 5539.0, 5342.0, 5695.0, 5585.0, 5483.0, 5472.0, 5271.0, 5653.0, 5528.0, 5363.0, 5461.0, 5481.0, 5611.0, 5545.0, 5490.0, 5538.0, 5496.0, 5705.0 (number of hits: 3)
23	5500.0	9	1.0	333	1	5647.0, 5618.0, 5619.0, 5440.0, 5307.0, 5555.0, 5395.0, 5261.0, 5668.0, 5343.0, 5534.0, 5370.0, 5386.0, 5717.0, 5391.0, 5496.0, 5358.0, 5390.0, 5470.0, 5623.0, 5663.0, 5411.0, 5356.0, 5303.0, 5512.0, 5604.0, 5497.0, 5653.0, 5721.0, 5615.0, 5327.0, 5460.0, 5456.0, 5560.0, 5336.0, 5469.0, 5465.0, 5508.0, 5457.0, 5308.0, 5342.0, 5371.0, 5349.0, 5703.0, 5607.0, 5407.0, 5622.0, 5506.0, 5670.0, 5662.0, 5523.0, 5352.0, 5720.0, 5422.0, 5535.0, 5709.0, 5507.0, 5400.0, 5257.0, 5448.0, 5527.0, 5627.0, 5511.0, 5367.0, 5474.0, 5292.0, 5368.0, 5380.0, 5564.0, 5542.0, 5310.0, 5416.0, 5661.0, 5266.0, 5679.0, 5428.0, 5492.0, 5269.0, 5592.0, 5521.0, 5426.0, 5458.0, 5423.0, 5438.0, 5613.0, 5481.0, 5451.0, 5325.0, 5634.0, 5405.0, 5300.0, 5518.0, 5687.0, 5712.0, 5593.0, 5650.0, 5406.0, 5431.0, 5666.0, 5334.0 (number of hits: 6)
24	5500.0	9	1.0	333	1	5544.0, 5578.0, 5334.0, 5359.0, 5716.0, 5408.0, 5636.0, 5693.0, 5687.0, 5273.0, 5700.0, 5601.0, 5713.0, 5596.0, 5652.0, 5363.0, 5470.0, 5318.0, 5708.0, 5382.0, 5456.0, 5533.0, 5434.0, 5720.0, 5403.0, 5719.0, 5418.0, 5526.0, 5650.0, 5453.0, 5477.0, 5675.0, 5590.0, 5264.0, 5464.0, 5300.0, 5494.0, 5569.0, 5573.0, 5493.0,

						5426.0, 5279.0, 5447.0, 5575.0, 5461.0, 5251.0, 5686.0, 5455.0, 5267.0, 5276.0, 5582.0, 5522.0, 5625.0, 5342.0, 5486.0, 5458.0, 5280.0, 5400.0, 5259.0, 5648.0, 5680.0, 5386.0, 5454.0, 5619.0, 5392.0, 5479.0, 5584.0, 5404.0, 5321.0, 5330.0, 5560.0, 5379.0, 5583.0, 5371.0, 5260.0, 5443.0, 5310.0, 5510.0, 5424.0, 5653.0, 5368.0, 5406.0, 5324.0, 5289.0, 5514.0, 5281.0, 5299.0, 5518.0, 5372.0, 5502.0, 5287.0, 5642.0, 5432.0, 5600.0, 5694.0, 5662.0, 5347.0, 5376.0, 5547.0, 5459.0 (number of hits: 3)
25	5500.0	9	1.0	333	1	5539.0, 5629.0, 5507.0, 5421.0, 5358.0, 5368.0, 5552.0, 5286.0, 5705.0, 5397.0, 5517.0, 5363.0, 5625.0, 5356.0, 5536.0, 5649.0, 5631.0, 5713.0, 5301.0, 5316.0, 5720.0, 5297.0, 5447.0, 5401.0, 5535.0, 5499.0, 5340.0, 5255.0, 5330.0, 5348.0, 5295.0, 5440.0, 5481.0, 5601.0, 5362.0, 5405.0, 5454.0, 5310.0, 5463.0, 5432.0, 5355.0, 5679.0, 5618.0, 5550.0, 5354.0, 5686.0, 5409.0, 5519.0, 5437.0, 5312.0, 5431.0, 5619.0, 5327.0, 5276.0, 5500.0, 5595.0, 5441.0, 5502.0, 5468.0, 5452.0, 5572.0, 5554.0, 5538.0, 5375.0, 5434.0, 5518.0, 5570.0, 5564.0, 5357.0, 5612.0, 5670.0, 5701.0, 5620.0, 5268.0, 5639.0, 5715.0, 5336.0, 5279.0, 5449.0, 5482.0, 5385.0, 5580.0, 5579.0, 5644.0, 5710.0, 5433.0, 5456.0, 5717.0, 5288.0, 5263.0, 5302.0, 5597.0, 5494.0, 5489.0, 5590.0, 5383.0, 5537.0, 5556.0, 5391.0, 5324.0 (number of hits: 5)
26	5500.0	9	1.0	333	1	5374.0, 5315.0, 5710.0, 5698.0, 5255.0, 5650.0, 5411.0, 5704.0, 5332.0, 5623.0, 5407.0, 5599.0, 5338.0, 5302.0, 5273.0, 5323.0, 5387.0, 5597.0, 5318.0, 5342.0, 5497.0, 5419.0, 5645.0, 5670.0, 5459.0, 5573.0, 5495.0, 5666.0, 5543.0, 5616.0, 5354.0, 5636.0, 5380.0, 5394.0, 5390.0, 5253.0, 5294.0, 5534.0, 5564.0, 5549.0, 5536.0, 5508.0, 5452.0, 5522.0, 5632.0, 5307.0, 5519.0, 5340.0, 5373.0, 5608.0, 5348.0, 5654.0, 5368.0, 5398.0, 5643.0, 5276.0, 5463.0, 5513.0, 5451.0, 5449.0, 5525.0, 5690.0, 5316.0, 5649.0, 5702.0, 5484.0, 5584.0, 5403.0, 5510.0, 5523.0, 5641.0, 5496.0, 5588.0, 5381.0, 5646.0, 5279.0, 5547.0, 5346.0, 5384.0, 5712.0, 5671.0, 5663.0, 5266.0, 5326.0, 5516.0, 5252.0, 5283.0, 5556.0, 5355.0, 5414.0, 5593.0, 5367.0, 5467.0, 5617.0, 5539.0, 5439.0, 5618.0, 5651.0, 5502.0, 5560.0 (number of hits: 5)
27	5500.0	9	1.0	333	1	5300.0, 5392.0, 5350.0, 5285.0, 5380.0, 5251.0, 5495.0, 5384.0, 5652.0, 5594.0, 5632.0, 5570.0, 5330.0, 5353.0, 5590.0, 5679.0, 5602.0, 5605.0, 5636.0, 5265.0, 5510.0, 5401.0, 5448.0, 5527.0, 5698.0, 5470.0, 5468.0, 5705.0, 5260.0, 5445.0, 5458.0, 5398.0, 5693.0, 5407.0, 5284.0, 5513.0, 5309.0, 5620.0, 5335.0, 5366.0, 5582.0, 5699.0, 5253.0, 5456.0, 5567.0, 5628.0, 5501.0, 5297.0, 5370.0, 5424.0, 5642.0, 5614.0, 5685.0, 5341.0, 5540.0, 5616.0, 5477.0, 5587.0, 5597.0, 5452.0, 5629.0, 5482.0, 5334.0, 5399.0, 5646.0, 5321.0, 5661.0, 5289.0, 5543.0, 5604.0, 5455.0, 5451.0, 5425.0, 5443.0, 5442.0, 5303.0, 5612.0, 5467.0, 5288.0, 5593.0, 5615.0, 5489.0, 5423.0, 5702.0, 5559.0, 5529.0, 5282.0, 5462.0, 5416.0, 5465.0, 5493.0, 5408.0, 5474.0, 5403.0, 5595.0, 5275.0, 5349.0, 5653.0, 5518.0, 5622.0 (number of hits: 3)
28	5500.0	9	1.0	333	0	
29	5500.0	9	1.0	333	1	5340.0, 5544.0, 5392.0, 5413.0, 5662.0, 5416.0, 5601.0, 5574.0, 5674.0, 5459.0, 5528.0, 5540.0, 5464.0, 5636.0, 5282.0, 5319.0, 5701.0, 5682.0, 5590.0, 5261.0, 5277.0, 5366.0, 5533.0, 5642.0, 5284.0, 5463.0, 5690.0, 5646.0, 5266.0, 5605.0, 5264.0, 5323.0, 5623.0, 5708.0, 5541.0, 5616.0, 5677.0, 5691.0, 5514.0, 5336.0, 5479.0, 5497.0, 5365.0, 5276.0, 5385.0, 5291.0, 5562.0, 5501.0, 5696.0, 5567.0, 5431.0, 5295.0, 5474.0, 5705.0, 5706.0, 5565.0, 5685.0, 5578.0, 5402.0, 5398.0, 5316.0, 5663.0, 5551.0, 5410.0, 5650.0, 5350.0, 5441.0, 5415.0, 5298.0, 5689.0, 5351.0, 5506.0, 5614.0, 5668.0, 5476.0, 5549.0, 5468.0, 5612.0, 5391.0, 5675.0, 5676.0, 5704.0, 5641.0, 5488.0, 5489.0, 5280.0, 5337.0, 5664.0, 5364.0, 5253.0, 5352.0, 5498.0, 5500.0, 5469.0, 5624.0, 5659.0, 5692.0, 5557.0, 5330.0, 5635.0 (number of hits: 5)
30	5500.0	9	1.0	333	1	5289.0, 5523.0, 5612.0, 5646.0, 5419.0, 5685.0, 5251.0, 5301.0,

						5577.0, 5308.0, 5501.0, 5498.0, 5354.0, 5562.0, 5263.0, 5579.0, 5628.0, 5571.0, 5373.0, 5668.0, 5431.0, 5462.0, 5368.0, 5453.0, 5629.0, 5533.0, 5570.0, 5514.0, 5657.0, 5324.0, 5403.0, 5353.0, 5578.0, 5620.0, 5456.0, 5252.0, 5576.0, 5507.0, 5619.0, 5439.0, 5607.0, 5429.0, 5624.0, 5448.0, 5363.0, 5667.0, 5631.0, 5563.0, 5495.0, 5322.0, 5371.0, 5555.0, 5394.0, 5557.0, 5702.0, 5641.0, 5574.0, 5399.0, 5575.0, 5566.0, 5374.0, 5270.0, 5709.0, 5706.0, 5276.0, 5475.0, 5336.0, 5569.0, 5469.0, 5636.0, 5466.0, 5461.0, 5470.0, 5268.0, 5271.0, 5722.0, 5325.0, 5411.0, 5381.0, 5596.0, 5335.0, 5681.0, 5511.0, 5606.0, 5643.0, 5705.0, 5285.0, 5264.0, 5390.0, 5337.0, 5517.0, 5467.0, 5508.0, 5590.0, 5564.0, 5589.0, 5282.0, 5703.0, 5644.0, 5535.0 (number of hits: 5)

P2P Mode
Iron Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	73.3 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	1.0	3066	1
2	78	1.0	678	1
3	67	1.0	798	1
4	70	1.0	758	1
5	76	1.0	698	1
6	99	1.0	538	1
7	81	1.0	658	1
8	92	1.0	578	1
9	102	1.0	518	1
10	89	1.0	598	1
11	72	1.0	738	1
12	68	1.0	778	1
13	74	1.0	718	0
14	86	1.0	618	1
15	83	1.0	638	1
16	21	1.0	2520	1
17	28	1.0	1937	1
18	23	1.0	2316	1
19	46	1.0	1149	1
20	20	1.0	2654	1
21	46	1.0	1171	1
22	20	1.0	2656	1
23	22	1.0	2416	1
24	25	1.0	2167	1
25	70	1.0	762	1
26	25	1.0	2183	1
27	26	1.0	2071	1
28	33	1.0	1640	1
29	22	1.0	2484	1
30	21	1.0	2532	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	27	2.8	217	1
2	23	1.0	152	0
3	28	2.0	185	1
4	28	3.4	155	1
5	23	1.8	202	1
6	25	5.0	204	1
7	23	4.5	154	1
8	28	2.3	187	1
9	27	3.2	180	1
10	26	4.2	191	1
11	25	3.8	179	1
12	27	1.8	172	1
13	24	3.3	217	0
14	28	2.1	158	1
15	24	1.4	214	1
16	26	1.2	208	0
17	26	3.5	183	1
18	26	4.0	170	1
19	23	2.8	226	0
20	24	4.2	214	1
21	23	1.4	213	1
22	28	5.0	179	1
23	25	4.4	173	1
24	27	1.8	186	1
25	28	2.5	151	1
26	29	4.1	174	1
27	24	2.8	156	1
28	24	1.7	196	1
29	28	2.3	225	1
30	27	2.0	224	0
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.2	379	0
2	18	10.0	289	1
3	18	7.5	480	1
4	16	10.0	426	0
5	18	7.3	382	1
6	16	9.0	375	1
7	16	7.1	450	1
8	18	8.4	216	1
9	16	9.5	465	1
10	16	8.7	297	0
11	16	6.6	348	1
12	17	6.4	347	1
13	16	9.8	472	0
14	17	8.3	302	1
15	18	6.9	251	1
16	18	8.6	372	0
17	16	9.6	462	0
18	16	9.4	434	1
19	16	6.1	495	1
20	17	10.0	292	1
21	18	8.9	275	1
22	17	7.6	469	0
23	16	7.2	352	1
24	16	9.7	203	1
25	16	8.4	341	1
26	18	8.1	212	1
27	16	8.6	275	0
28	18	7.8	222	1
29	17	9.1	492	1
30	16	8.5	464	1
Detection Percentage: 73.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	11.9	411	1
2	16	13.9	303	1
3	15	17.4	421	1
4	12	12.9	442	1
5	14	16.7	328	1
6	12	16.7	489	0
7	12	16.9	250	1
8	16	15.7	404	1
9	12	19.9	415	1
10	16	20.0	206	1
11	15	17.3	398	1
12	15	14.5	488	1
13	15	16.6	460	0
14	13	13.0	470	1
15	16	14.3	203	1
16	15	18.4	353	1
17	12	11.5	355	1
18	14	15.0	396	1
19	12	13.4	211	1
20	13	19.1	440	1
21	15	16.3	235	1
22	16	18.6	314	1
23	15	19.1	216	1
24	15	13.5	265	0
25	14	13.2	242	1
26	16	19.5	306	1
27	15	14.7	385	1
28	16	19.2	315	1
29	14	16.1	319	0
30	13	17.8	234	1
Detection Percentage: 86.7 % (>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	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5498.3	1
12	5495.1	1
13	5495.5	1
14	5499.1	1
15	5496.3	1
16	5495.9	1
17	5495.1	1
18	5496.7	1
19	5496.7	1
20	5498.7	1
21	5525.7	1
22	5521.3	1
23	5523.3	1
24	5525.7	1
25	5524.5	1
26	5520.9	1
27	5524.1	1
28	5521.3	1
29	5523.7	1
30	5525.3	1
Detection Percentage: 100 % (>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	1	11	65.5			0.409622	1
1	2	11	98.4	1480		0.944904	
2	3	11	96.0	1087	1551	1.796777	
3	2	11	80.9	1143		2.613318	
4	2	11	52.8	1569		3.986826	
5	2	11	67.1	1193		4.025349	
6	2	11	64.2	1527		5.272454	
7	3	11	97.7	1229	1155	5.628355	
8	1	11	86.5			6.459926	
9	2	11	64.3	1587		7.478714	
10	3	11	55.1	1098	1182	8.676481	
11	1	11	53.7			8.936375	
12	2	11	54.3	1714		10.115460	
13	3	11	70.1	1719	1634	11.057740	
14	1	11	59.5			11.542885	

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	7	92.2			0.486569	1
1	2	7	87.6	1384		0.896983	
2	3	7	75.7	1060	1571	1.670558	
3	2	7	72.9	1445		2.101320	
4	2	7	55.1	1938		2.739625	
5	3	7	88.0	1876	1996	3.625250	
6	2	7	99.8	1309		4.502599	
7	2	7	71.7	1682		4.688600	
8	2	7	78.1	1759		5.547164	
9	2	7	94.3	1643		6.660569	
10	1	7	73.8			7.159145	
11	1	7	99.4			7.964057	
12	1	7	58.5			8.043936	
13	2	7	68.9	1145		8.832015	
14	1	7	64.2			9.598743	
15	3	7	63.3	1269	1276	10.217128	
16	2	7	88.7	1362		11.087583	
17	3	7	98.7	1392	1834	11.406173	

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	81.4	1932		0.574696	
1	3	11	72.7	1713	1505	0.791668	
2	1	11	99.4			1.446768	
3	2	11	93.9	1511		2.132295	
4	2	11	85.2	1218		3.269015	
5	3	11	86.7	1679	1519	4.080242	
6	1	11	83.1			4.877989	
7	3	11	75.8	1091	1946	5.199210	
8	2	11	83.9	1902		6.019229	1
9	1	11	74.9			6.547151	
10	1	11	99.4			7.272686	
11	1	11	71.8			7.874332	
12	3	11	69.8	1641	1961	8.563476	
13	2	11	90.6	1593		9.506847	
14	1	11	78.9			10.173202	
15	3	11	66.9	1770	1979	11.161676	
16	2	11	59.0	1508		11.586356	

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	14	56.5	1473	1042	0.681332	
1	1	14	99.8			2.310858	
2	2	14	94.2	1057		2.601707	
3	2	14	96.3	1490		3.900585	
4	2	14	74.0	1885		5.638655	
5	3	14	65.4	1431	1235	6.348609	1
6	3	14	83.8	1365	1693	7.338424	
7	2	14	66.9	1644		9.161341	
8	1	14	96.1			10.048660	
9	3	14	79.3	1957	1130	11.771396	

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	87.0	1912		0.128764	
1	1	12	90.3			1.361927	
2	2	12	63.7	1450		3.639683	
3	1	12	61.1			4.489044	
4	1	12	70.5			6.109169	1
5	3	12	71.7	1850	1074	7.890065	
6	1	12	82.6			8.893369	
7	3	12	85.2	1176	1625	10.329385	
8	1	12	98.7			11.529906	

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	15	65.9			0.154526	
1	2	15	86.9	1421		1.183027	
2	1	15	95.0			2.394636	
3	2	15	95.2	1367		2.941118	
4	2	15	99.3	1550		3.753241	
5	1	15	90.3			4.726784	
6	3	15	97.1	1865	1194	5.281596	
7	3	15	57.2	1349	1497	6.204835	1
8	1	15	98.9			7.251745	
9	1	15	59.2			7.883351	
10	1	15	52.3			9.392814	
11	1	15	86.5			9.542097	
12	1	15	65.1			10.567250	
13	3	15	75.7	1198	1680	11.535249	

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	12	89.9			0.111084	1
1	1	12	50.7			0.685070	
2	2	12	94.0	1325		1.505329	
3	2	12	83.1	1984		2.392087	
4	2	12	99.4	1065		3.267190	
5	2	12	78.4	1322		3.928807	
6	2	12	96.8	1310		4.232032	
7	3	12	53.7	1109	1231	4.963800	
8	3	12	74.7	1754	1883	5.494584	
9	2	12	86.9	1661		6.064485	
10	1	12	58.9			7.063370	
11	2	12	73.7	1451		7.893535	
12	2	12	65.8	1951		8.410734	
13	2	12	61.8	1432		9.160397	
14	1	12	68.3			9.895756	
15	1	12	70.5			10.022295	
16	3	12	99.1	1431	1203	11.200953	
17	1	12	81.5			11.629860	

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	3	9	93.5	1703	1470	0.377584	
1	3	9	91.6	1599	1569	1.490816	
2	1	9	87.9			1.854650	
3	1	9	89.3			2.579696	
4	1	9	95.7			3.279153	
5	2	9	92.7	1115		4.331282	
6	2	9	68.2	1258		5.497765	
7	2	9	88.7	1929		6.028251	1
8	2	9	55.4	1877		6.764282	
9	1	9	51.5			7.328305	
10	2	9	90.6	1172		8.767304	
11	2	9	95.4	1900		8.981252	
12	2	9	82.6	1465		10.294007	
13	2	9	57.1	1750		10.577569	
14	1	9	57.5			11.694674	

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	15	79.5			0.425049	
1	2	15	52.2	1677		1.204005	
2	1	15	52.0			1.944997	
3	2	15	54.7	1588		3.399954	
4	2	15	79.6	1540		4.055359	
5	1	15	78.2			4.676844	
6	2	15	80.5	1519		5.546392	
7	1	15	62.6			6.585811	1
8	3	15	88.0	1182	1995	7.096781	
9	1	15	85.5			8.071424	
10	2	15	58.6	1505		8.827893	
11	1	15	72.9			9.448211	
12	2	15	62.4	1245		10.667363	
13	1	15	92.1			11.766461	

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	7	54.1	1953		0.693607	
1	1	7	68.3			1.079967	
2	1	7	59.2			2.397095	
3	2	7	93.1	1206		3.663028	
4	3	7	94.5	1165	1885	3.913361	
5	2	7	54.6	1906		5.090993	
6	3	7	72.3	1927	1188	5.775619	1
7	1	7	67.2			6.967794	
8	3	7	55.9	1380	1621	8.148798	
9	1	7	86.1			8.956109	
10	2	7	78.9	1924		9.931586	
11	2	7	97.8	1975		10.499039	
12	2	7	52.8	1537		11.684823	

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	17	70.0	1675		0.447719	
1	2	17	82.2	1929		1.501305	
2	2	17	81.2	1881		2.907432	
3	2	17	91.4	1726		3.731364	
4	3	17	96.2	1699	1195	5.178627	
5	2	17	78.9	1705		5.457583	1
6	2	17	56.9	1195		6.672066	
7	1	17	70.4			8.288944	
8	1	17	78.8			8.816134	
9	3	17	73.9	1607	1042	10.443713	
10	3	17	74.4	1784	1150	11.606829	

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	9	61.4			0.475878	
1	3	9	69.2	1800	1391	1.270486	
2	2	9	83.8	1415		3.463458	
3	2	9	67.9	1918		4.586869	
4	3	9	77.5	1448	1456	5.497500	
5	1	9	84.8			6.931303	1
6	3	9	55.7	1673	1042	7.978880	
7	2	9	75.5	1065		8.929161	
8	2	9	70.4	1677		10.236869	
9	1	9	55.3			11.494956	

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	10	65.6	1436		0.131584	1
1	2	10	100.0	1770		1.934016	
2	3	10	64.3	1549	1662	4.473219	
3	2	10	79.9	1460		4.928914	
4	2	10	55.0	1956		6.216610	
5	2	10	54.6	1575		8.451930	
6	2	10	80.7	1660		9.828496	
7	2	10	72.3	1668		11.944880	

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	19	55.9	1014	1792	0.169289	1
1	1	19	80.6			1.080427	
2	1	19	71.2			1.689504	
3	3	19	50.2	1206	1286	2.087421	
4	2	19	72.8	1116		2.875943	
5	3	19	54.8	1578	1360	3.310579	
6	2	19	58.8	1562		3.601242	
7	1	19	86.6			4.504918	
8	1	19	84.6			5.161780	
9	2	19	51.1	1726		5.515280	
10	1	19	64.1			6.022444	
11	1	19	84.5			6.720442	
12	1	19	79.8			7.200077	
13	1	19	76.1			8.303326	
14	2	19	76.4	1458		8.914543	
15	3	19	89.7	1481	1445	9.550033	
16	3	19	72.1	1701	1569	9.884573	
17	3	19	64.1	1043	1530	10.235254	
18	2	19	99.9	1686		11.242925	
19	1	19	62.1			11.955453	

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	94.2	1668	1970	0.339920	
1	3	12	73.9	1800	1476	1.315194	
2	2	12	56.9	1491		2.045386	
3	1	12	65.2			2.754038	
4	1	12	81.0			3.183863	
5	3	12	99.6	1394	1025	3.995725	
6	1	12	87.0			4.490613	
7	3	12	67.6	1913	1420	5.316744	
8	3	12	78.7	1313	1872	5.740009	1
9	2	12	94.2	1052		6.610660	
10	3	12	88.4	1894	1195	7.685526	
11	2	12	96.7	1950		7.862328	
12	3	12	76.6	1477	1649	8.874509	
13	2	12	63.0	1443		9.498124	
14	2	12	60.4	1316		10.428485	
15	2	12	90.6	1996		11.265714	
16	2	12	96.8	1161		11.815235	

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	3	11	71.6	1760	1263	0.968341	
1	1	11	97.9			1.237665	
2	2	11	89.9	1963		2.217790	
3	2	11	72.9	1851		4.208331	
4	3	11	90.0	1565	1986	4.819757	
5	2	11	83.9	1631		6.526054	1
6	2	11	54.7	1209		7.407306	
7	2	11	62.8	1532		8.309660	
8	2	11	83.9	1111		8.842377	
9	3	11	79.9	1379	1525	10.568681	
10	2	11	77.3	1567		11.287398	

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	99.7	1343	1730	0.295206	1
1	2	9	93.8	1813		0.693108	
2	1	9	82.9			1.408845	
3	2	9	78.7	1443		2.612183	
4	2	9	70.6	1137		3.034187	
5	1	9	74.9			3.961573	
6	1	9	98.1			4.550825	
7	1	9	58.4			5.012415	
8	3	9	70.6	1453	1343	5.537016	
9	2	9	76.7	1391		6.466823	
10	3	9	95.3	1845	1890	6.904997	
11	1	9	62.7			7.949236	
12	2	9	88.9	1097		8.067948	
13	2	9	79.8	1494		8.841870	
14	3	9	68.3	1483	1792	9.863324	
15	2	9	77.2	1443		10.060559	
16	1	9	97.7			10.740398	
17	3	9	89.3	1147	1949	11.657443	

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	94.8			0.470322	
1	3	13	59.7	1801	1971	0.768538	
2	2	13	86.0	1795		1.680956	
3	2	13	67.5	1529		2.058398	
4	1	13	90.4			3.131621	
5	1	13	51.4			3.390554	
6	2	13	96.9	1915		4.263134	
7	2	13	61.8	1504		4.958190	
8	2	13	60.2	1135		5.485870	
9	2	13	90.5	1167		5.744034	1
10	1	13	54.7			6.835011	
11	2	13	97.2	1763		7.039443	
12	1	13	99.3			7.876524	
13	3	13	92.1	1663	1947	8.775799	
14	3	13	64.9	1770	1678	9.155889	
15	1	13	85.6			9.753785	
16	2	13	67.5	1039		10.304172	
17	3	13	86.9	1622	1996	10.864228	
18	3	13	93.2	1940	1961	11.749810	

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	13	75.4	1150		0.128066	1
1	2	13	67.8	1052		0.767621	
2	3	13	62.5	1808	1624	1.632209	
3	1	13	85.1			2.579979	
4	2	13	82.5	1643		3.155235	
5	2	13	80.0	1695		4.372712	
6	1	13	99.1			4.888277	
7	2	13	91.1	1477		5.817911	
8	3	13	65.3	1951	1496	6.361580	
9	2	13	99.4	1603		6.767566	
10	3	13	70.1	1842	1463	7.687313	
11	3	13	67.1	1594	1693	8.928638	
12	2	13	90.3	1804		9.438363	
13	2	13	54.3	1351		10.261721	
14	3	13	91.6	1012	1854	10.906723	
15	2	13	87.6	1335		11.427318	

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	18	82.2	1367	1844	0.294189	1
1	2	18	61.1	1382		1.766609	
2	2	18	74.3	1642		2.573210	
3	2	18	50.1	1307		3.138197	
4	1	18	83.0			4.518679	
5	1	18	73.6			4.883350	
6	1	18	63.6			5.599615	
7	2	18	91.5	1604		6.474104	
8	1	18	89.6			8.005577	
9	1	18	90.1			9.175358	
10	2	18	68.4	1496		9.799714	
11	2	18	92.4	1467		10.481258	
12	1	18	90.6			11.849125	

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	63.0			0.086744	
1	2	7	96.2	1018		1.081439	
2	2	7	55.9	1742		1.526803	
3	2	7	55.1	1723		2.554772	
4	3	7	92.8	1126	1450	3.002591	
5	3	7	91.4	1090	1787	4.088492	
6	1	7	50.2			4.879472	
7	3	7	51.2	1793	1806	5.463931	
8	2	7	93.3	1645		5.903090	1
9	1	7	77.2			6.463493	
10	1	7	74.3			7.380980	
11	2	7	76.6	1733		7.896787	
12	2	7	89.1	1600		8.747445	
13	2	7	71.0	1948		9.874187	
14	1	7	93.4			10.106516	
15	3	7	51.7	1016	1785	11.243254	
16	3	7	71.9	1914	1006	11.908453	

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	18	55.2	1344		0.990068	
1	3	18	78.8	1985	1358	1.269452	
2	1	18	99.5			2.552091	
3	1	18	97.1			3.289910	
4	2	18	50.7	1516		4.078888	
5	2	18	58.7	1644		5.330618	1
6	2	18	83.1	1433		6.619780	
7	1	18	83.8			7.150467	
8	1	18	94.4			8.742953	
9	3	18	84.9	1682	1335	9.659483	
10	2	18	74.1	1025		10.485684	
11	2	18	60.2	1845		11.107230	

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	13	67.0	1428	1271	0.354934	1
1	3	13	56.1	1200	1169	1.152977	
2	2	13	98.0	1594		1.285516	
3	3	13	77.5	1812	1766	2.025752	
4	2	13	69.8	1480		2.702791	
5	1	13	74.7			3.238096	
6	3	13	65.2	1357	1730	3.896282	
7	3	13	61.9	1807	1099	4.588930	
8	3	13	64.9	1289	1108	5.025957	
9	3	13	92.4	1796	1673	5.537913	
10	3	13	99.3	1276	1827	6.054451	
11	3	13	88.4	1779	1600	6.917414	
12	3	13	68.1	1806	1742	7.224643	
13	2	13	68.9	1739		8.166026	
14	1	13	99.1			8.407494	
15	2	13	64.6	1696		9.274700	
16	2	13	87.8	1374		9.723789	
17	1	13	71.2			10.566552	
18	1	13	79.1			10.828605	
19	3	13	65.3	1448	1448	11.905188	

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	7	83.7	1900		1.126330	
1	2	7	52.4	1496		2.391576	
2	1	7	99.4			2.831469	
3	3	7	93.0	1990	1285	4.692864	
4	1	7	66.9			6.204040	1
5	2	7	67.5	1796		7.955795	
6	2	7	88.1	1503		8.233369	
7	3	7	68.1	1772	1601	10.654943	
8	2	7	69.1	1991		11.484185	

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	10	89.3			0.383403	
1	2	10	91.1	1642		0.761240	
2	2	10	91.7	1547		1.294335	
3	2	10	69.7	1379		2.361382	
4	1	10	55.7			2.858455	
5	3	10	83.9	1015	1440	3.718224	
6	2	10	52.3	1706		4.121158	
7	3	10	70.1	1898	1536	4.989788	
8	2	10	91.4	1674		5.196049	
9	2	10	95.0	1307		6.049477	1
10	2	10	55.1	1499		6.859995	
11	2	10	99.2	1960		7.117674	
12	3	10	71.0	1321	1961	8.181015	
13	2	10	72.0	1641		8.252543	
14	1	10	58.0			9.095158	
15	3	10	64.6	1280	1506	10.085898	
16	2	10	94.6	1936		10.171898	
17	2	10	79.8	1483		11.196212	
18	3	10	77.4	1258	1544	11.439019	

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	19	94.0	1774		0.473186	
1	2	19	77.2	1062		2.341269	
2	1	19	87.8			3.183278	
3	2	19	76.1	1243		4.501685	
4	2	19	87.7	1500		5.835080	1
5	1	19	77.0			7.002035	
6	3	19	66.1	1955	1905	9.248138	
7	3	19	59.0	1442	1509	10.594602	
8	3	19	69.8	1475	1636	11.544861	

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	54.8	1495		0.668676	
1	2	11	66.1	1008		2.253898	
2	2	11	76.4	1682		2.713744	
3	3	11	50.5	1497	1584	4.639804	
4	2	11	55.1	1743		5.816351	
5	2	11	88.1	1540		6.001445	1
6	2	11	95.6	1377		8.308176	
7	2	11	72.6	1669		8.577755	
8	2	11	63.0	1788		10.702275	
9	1	11	87.7			11.797420	

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	76.8	1909		0.267715	1
1	2	18	82.3	1832		1.458010	
2	1	18	58.2			3.001479	
3	2	18	61.5	1956		4.651705	
4	1	18	77.5			5.503357	
5	2	18	73.4	1062		6.901773	
6	2	18	55.0	1501		7.201967	
7	3	18	89.1	1268	1873	8.847497	
8	2	18	69.8	1594		10.391557	
9	1	18	83.9			11.522981	

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	12	66.1	1651		0.448216	1
1	1	12	92.3			1.219344	
2	2	12	70.7	1303		2.302022	
3	2	12	60.6	1042		3.337335	
4	1	12	50.3			4.143464	
5	3	12	96.3	1299	1918	4.773510	
6	2	12	60.2	1227		6.148397	
7	2	12	98.0	1408		7.155228	
8	1	12	92.5			7.463274	
9	2	12	76.3	1314		8.420982	
10	1	12	72.5			9.250940	
11	2	12	61.6	1308		10.789958	
12	1	12	74.1			11.474405	

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	69.7	1454		0.247425	1
1	2	8	52.5	1373		1.023872	
2	2	8	54.0	1754		1.737511	
3	3	8	74.9	1336	1172	2.536136	
4	2	8	81.5	1861		3.292589	
5	2	8	65.3	1283		4.482306	
6	3	8	62.5	1958	1454	4.909012	
7	1	8	86.4			5.838103	
8	2	8	76.1	1217		6.236159	
9	2	8	99.4	1821		7.126833	
10	1	8	98.8			7.821173	
11	2	8	56.1	1410		8.882878	
12	3	8	70.6	1850	1742	9.401215	
13	1	8	69.2			10.263362	
14	3	8	51.9	1061	1775	11.220376	
15	2	8	64.3	1569		11.655722	

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	5510.0	9	1.0	333	1	5346.0, 5326.0, 5543.0, 5315.0, 5645.0, 5261.0, 5593.0, 5269.0, 5702.0, 5388.0, 5532.0, 5465.0, 5459.0, 5612.0, 5685.0, 5304.0, 5339.0, 5448.0, 5429.0, 5364.0, 5704.0, 5719.0, 5471.0, 5705.0, 5460.0, 5396.0, 5671.0, 5401.0, 5428.0, 5343.0, 5697.0, 5686.0, 5472.0, 5621.0, 5273.0, 5490.0, 5279.0, 5553.0, 5464.0, 5405.0, 5619.0, 5609.0, 5638.0, 5511.0, 5310.0, 5414.0, 5591.0, 5635.0, 5519.0, 5395.0, 5425.0, 5445.0, 5616.0, 5306.0, 5444.0, 5659.0, 5289.0, 5417.0, 5699.0, 5432.0, 5533.0, 5710.0, 5271.0, 5267.0, 5623.0, 5351.0, 5637.0, 5361.0, 5559.0, 5522.0, 5462.0, 5662.0, 5534.0, 5336.0, 5416.0, 5706.0, 5358.0, 5250.0, 5693.0, 5439.0, 5557.0, 5602.0, 5276.0, 5368.0, 5528.0, 5260.0, 5424.0, 5518.0, 5467.0, 5334.0, 5576.0, 5583.0, 5436.0, 5331.0, 5524.0, 5674.0, 5324.0, 5453.0, 5426.0, 5579.0 (number of hits: 5)
2	5510.0	9	1.0	333	1	5307.0, 5536.0, 5450.0, 5558.0, 5389.0, 5622.0, 5700.0, 5537.0, 5494.0, 5708.0, 5490.0, 5395.0, 5369.0, 5324.0, 5686.0, 5435.0, 5585.0, 5670.0, 5523.0, 5288.0, 5426.0, 5662.0, 5449.0, 5574.0, 5386.0, 5380.0, 5353.0, 5253.0, 5392.0, 5346.0, 5607.0, 5535.0, 5569.0, 5605.0, 5284.0, 5391.0, 5624.0, 5547.0, 5676.0, 5348.0, 5303.0, 5557.0, 5269.0, 5268.0, 5362.0, 5612.0, 5355.0, 5489.0, 5423.0, 5681.0, 5598.0, 5408.0, 5283.0, 5589.0, 5478.0, 5310.0, 5314.0, 5255.0, 5347.0, 5718.0, 5438.0, 5396.0, 5363.0, 5591.0, 5397.0, 5480.0, 5707.0, 5293.0, 5652.0, 5366.0, 5684.0, 5637.0, 5563.0, 5654.0, 5374.0, 5566.0, 5368.0, 5373.0, 5533.0, 5251.0, 5615.0, 5638.0, 5635.0, 5714.0, 5365.0, 5705.0, 5516.0, 5428.0, 5695.0, 5672.0, 5433.0, 5399.0, 5488.0, 5722.0, 5342.0, 5437.0, 5543.0, 5275.0, 5692.0, 5584.0 (number of hits: 3)
3	5510.0	9	1.0	333	1	5417.0, 5408.0, 5435.0, 5695.0, 5429.0, 5721.0, 5292.0, 5412.0, 5430.0, 5718.0, 5275.0, 5687.0, 5679.0, 5402.0, 5477.0, 5678.0, 5656.0, 5348.0, 5357.0, 5354.0, 5533.0, 5359.0, 5339.0, 5294.0, 5253.0, 5401.0, 5420.0, 5298.0, 5352.0, 5335.0, 5377.0, 5617.0, 5650.0, 5536.0, 5513.0, 5381.0, 5640.0, 5493.0, 5392.0, 5411.0, 5545.0, 5301.0, 5647.0, 5643.0, 5660.0, 5351.0, 5550.0, 5422.0, 5319.0, 5659.0, 5631.0, 5633.0, 5542.0, 5538.0, 5334.0, 5674.0, 5312.0, 5611.0, 5286.0, 5442.0, 5537.0, 5432.0, 5488.0, 5618.0, 5649.0, 5507.0, 5558.0, 5562.0, 5293.0, 5379.0, 5481.0, 5713.0, 5317.0, 5474.0, 5531.0, 5637.0, 5385.0, 5388.0, 5698.0, 5372.0, 5321.0, 5278.0, 5518.0, 5622.0, 5448.0, 5255.0, 5304.0, 5461.0, 5588.0, 5361.0, 5290.0, 5638.0, 5459.0, 5376.0, 5452.0, 5595.0, 5389.0, 5272.0, 5482.0, 5509.0 (number of hits: 5)
4	5510.0	9	1.0	333	1	5590.0, 5288.0, 5369.0, 5289.0, 5704.0, 5591.0, 5615.0, 5694.0, 5455.0, 5284.0, 5422.0, 5583.0, 5414.0, 5373.0, 5302.0, 5709.0, 5416.0, 5341.0, 5478.0, 5286.0, 5503.0, 5347.0, 5333.0, 5710.0, 5650.0, 5527.0, 5380.0, 5699.0, 5688.0, 5398.0, 5700.0, 5608.0, 5473.0, 5469.0, 5480.0, 5620.0, 5570.0, 5544.0, 5264.0, 5479.0, 5300.0, 5498.0, 5466.0, 5653.0, 5553.0, 5607.0, 5673.0, 5330.0, 5277.0, 5312.0, 5538.0, 5656.0, 5342.0, 5371.0, 5431.0, 5415.0, 5702.0, 5658.0, 5529.0, 5408.0, 5715.0, 5487.0, 5581.0, 5677.0, 5334.0, 5616.0, 5519.0, 5453.0, 5520.0, 5603.0, 5436.0, 5571.0, 5502.0, 5338.0, 5525.0, 5429.0, 5372.0, 5589.0, 5403.0, 5323.0, 5705.0, 5521.0, 5435.0, 5395.0, 5567.0, 5522.0, 5692.0, 5434.0, 5427.0, 5625.0, 5446.0, 5317.0, 5489.0, 5606.0, 5365.0, 5550.0, 5297.0, 5463.0, 5685.0, 5610.0 (number of hits: 9)
5	5510.0	9	1.0	333	1	5723.0, 5518.0, 5570.0, 5600.0, 5377.0, 5478.0, 5514.0, 5704.0, 5614.0, 5490.0, 5521.0, 5296.0, 5433.0, 5421.0, 5592.0, 5264.0, 5456.0, 5359.0, 5284.0, 5524.0, 5404.0, 5257.0, 5550.0, 5644.0, 5326.0, 5278.0, 5640.0, 5715.0, 5664.0, 5392.0, 5629.0, 5455.0,

						5575.0, 5677.0, 5448.0, 5692.0, 5358.0, 5530.0, 5252.0, 5363.0, 5689.0, 5522.0, 5653.0, 5365.0, 5674.0, 5268.0, 5310.0, 5681.0, 5645.0, 5387.0, 5714.0, 5687.0, 5636.0, 5457.0, 5487.0, 5544.0, 5481.0, 5540.0, 5553.0, 5595.0, 5543.0, 5426.0, 5334.0, 5442.0, 5443.0, 5724.0, 5602.0, 5606.0, 5566.0, 5619.0, 5657.0, 5305.0, 5351.0, 5696.0, 5690.0, 5666.0, 5655.0, 5608.0, 5625.0, 5357.0, 5650.0, 5622.0, 5532.0, 5716.0, 5418.0, 5682.0, 5468.0, 5605.0, 5267.0, 5588.0, 5298.0, 5498.0, 5459.0, 5561.0, 5597.0, 5590.0, 5510.0, 5599.0, 5516.0, 5438.0 (number of hits: 8)
6	5510.0	9	1.0	333	1	5355.0, 5675.0, 5251.0, 5505.0, 5637.0, 5628.0, 5656.0, 5702.0, 5281.0, 5396.0, 5365.0, 5542.0, 5558.0, 5588.0, 5566.0, 5579.0, 5649.0, 5493.0, 5361.0, 5616.0, 5685.0, 5435.0, 5364.0, 5259.0, 5693.0, 5252.0, 5537.0, 5585.0, 5388.0, 5501.0, 5390.0, 5691.0, 5320.0, 5467.0, 5321.0, 5624.0, 5314.0, 5583.0, 5657.0, 5310.0, 5516.0, 5568.0, 5528.0, 5368.0, 5398.0, 5670.0, 5510.0, 5530.0, 5271.0, 5322.0, 5430.0, 5485.0, 5436.0, 5456.0, 5369.0, 5318.0, 5707.0, 5526.0, 5470.0, 5543.0, 5590.0, 5457.0, 5698.0, 5641.0, 5597.0, 5445.0, 5521.0, 5570.0, 5348.0, 5392.0, 5274.0, 5443.0, 5488.0, 5716.0, 5487.0, 5448.0, 5384.0, 5700.0, 5366.0, 5513.0, 5489.0, 5715.0, 5667.0, 5386.0, 5293.0, 5546.0, 5619.0, 5653.0, 5341.0, 5548.0, 5552.0, 5294.0, 5327.0, 5466.0, 5701.0, 5564.0, 5647.0, 5300.0, 5370.0, 5553.0 (number of hits: 8)
7	5510.0	9	1.0	333	1	5462.0, 5723.0, 5293.0, 5578.0, 5315.0, 5357.0, 5464.0, 5722.0, 5498.0, 5554.0, 5696.0, 5333.0, 5588.0, 5650.0, 5500.0, 5266.0, 5386.0, 5428.0, 5613.0, 5409.0, 5523.0, 5460.0, 5490.0, 5513.0, 5424.0, 5430.0, 5648.0, 5262.0, 5694.0, 5711.0, 5717.0, 5406.0, 5564.0, 5550.0, 5395.0, 5488.0, 5477.0, 5495.0, 5604.0, 5275.0, 5492.0, 5695.0, 5314.0, 5280.0, 5414.0, 5626.0, 5444.0, 5686.0, 5491.0, 5342.0, 5399.0, 5302.0, 5383.0, 5317.0, 5676.0, 5600.0, 5407.0, 5555.0, 5517.0, 5679.0, 5258.0, 5358.0, 5587.0, 5325.0, 5707.0, 5590.0, 5670.0, 5606.0, 5423.0, 5546.0, 5638.0, 5605.0, 5416.0, 5359.0, 5405.0, 5378.0, 5521.0, 5439.0, 5313.0, 5601.0, 5585.0, 5410.0, 5436.0, 5635.0, 5472.0, 5445.0, 5697.0, 5364.0, 5354.0, 5703.0, 5365.0, 5273.0, 5557.0, 5471.0, 5291.0, 5435.0, 5712.0, 5515.0, 5681.0, 5279.0 (number of hits: 9)
8	5510.0	9	1.0	333	1	5268.0, 5554.0, 5401.0, 5503.0, 5638.0, 5269.0, 5687.0, 5339.0, 5297.0, 5636.0, 5608.0, 5364.0, 5719.0, 5648.0, 5492.0, 5303.0, 5441.0, 5325.0, 5412.0, 5522.0, 5649.0, 5536.0, 5561.0, 5419.0, 5690.0, 5483.0, 5612.0, 5709.0, 5398.0, 5435.0, 5660.0, 5360.0, 5481.0, 5683.0, 5603.0, 5442.0, 5342.0, 5270.0, 5482.0, 5326.0, 5674.0, 5255.0, 5552.0, 5274.0, 5506.0, 5628.0, 5432.0, 5541.0, 5717.0, 5617.0, 5459.0, 5627.0, 5599.0, 5624.0, 5343.0, 5563.0, 5298.0, 5451.0, 5665.0, 5579.0, 5553.0, 5572.0, 5352.0, 5309.0, 5511.0, 5293.0, 5547.0, 5461.0, 5489.0, 5333.0, 5580.0, 5404.0, 5583.0, 5363.0, 5626.0, 5408.0, 5558.0, 5421.0, 5349.0, 5264.0, 5559.0, 5654.0, 5453.0, 5540.0, 5631.0, 5322.0, 5373.0, 5605.0, 5679.0, 5686.0, 5418.0, 5543.0, 5693.0, 5294.0, 5313.0, 5671.0, 5677.0, 5692.0, 5454.0, 5698.0 (number of hits: 5)
9	5510.0	9	1.0	333	1	5640.0, 5465.0, 5271.0, 5547.0, 5560.0, 5684.0, 5274.0, 5605.0, 5361.0, 5658.0, 5581.0, 5352.0, 5460.0, 5687.0, 5347.0, 5257.0, 5594.0, 5704.0, 5568.0, 5691.0, 5645.0, 5293.0, 5444.0, 5587.0, 5694.0, 5362.0, 5252.0, 5259.0, 5661.0, 5493.0, 5603.0, 5413.0, 5600.0, 5439.0, 5432.0, 5534.0, 5567.0, 5395.0, 5320.0, 5692.0, 5562.0, 5570.0, 5405.0, 5399.0, 5313.0, 5609.0, 5650.0, 5431.0, 5359.0, 5653.0, 5619.0, 5262.0, 5573.0, 5552.0, 5384.0, 5264.0, 5453.0, 5294.0, 5666.0, 5417.0, 5486.0, 5455.0, 5305.0, 5593.0, 5637.0, 5670.0, 5622.0, 5390.0, 5283.0, 5503.0, 5526.0, 5724.0, 5541.0, 5324.0, 5615.0, 5409.0, 5492.0, 5555.0, 5507.0, 5565.0, 5527.0, 5392.0, 5383.0, 5285.0, 5497.0, 5496.0, 5394.0, 5281.0, 5430.0, 5404.0, 5631.0, 5391.0, 5385.0, 5457.0, 5696.0, 5360.0, 5290.0, 5310.0, 5675.0, 5596.0 (number of hits: 8)
10	5510.0	9	1.0	333	1	5373.0, 5286.0, 5577.0, 5721.0, 5523.0, 5416.0, 5424.0, 5549.0,

						5426.0, 5421.0, 5317.0, 5515.0, 5449.0, 5453.0, 5302.0, 5351.0, 5511.0, 5507.0, 5396.0, 5694.0, 5643.0, 5609.0, 5380.0, 5562.0, 5415.0, 5715.0, 5539.0, 5292.0, 5442.0, 5398.0, 5713.0, 5557.0, 5369.0, 5284.0, 5336.0, 5258.0, 5500.0, 5354.0, 5639.0, 5672.0, 5493.0, 5414.0, 5556.0, 5675.0, 5333.0, 5611.0, 5637.0, 5687.0, 5673.0, 5359.0, 5534.0, 5594.0, 5702.0, 5632.0, 5420.0, 5417.0, 5496.0, 5708.0, 5305.0, 5401.0, 5622.0, 5649.0, 5455.0, 5465.0, 5677.0, 5624.0, 5642.0, 5506.0, 5593.0, 5532.0, 5603.0, 5481.0, 5665.0, 5521.0, 5504.0, 5578.0, 5487.0, 5631.0, 5710.0, 5591.0, 5298.0, 5352.0, 5605.0, 5274.0, 5629.0, 5469.0, 5546.0, 5490.0, 5444.0, 5320.0, 5457.0, 5559.0, 5697.0, 5301.0, 5707.0, 5540.0, 5310.0, 5689.0, 5502.0, 5617.0 (number of hits: 11)
11	5510.0	9	1.0	333	1	5327.0, 5583.0, 5491.0, 5281.0, 5702.0, 5670.0, 5345.0, 5662.0, 5334.0, 5625.0, 5514.0, 5329.0, 5615.0, 5276.0, 5456.0, 5372.0, 5418.0, 5310.0, 5695.0, 5517.0, 5614.0, 5716.0, 5504.0, 5290.0, 5642.0, 5706.0, 5443.0, 5707.0, 5408.0, 5306.0, 5400.0, 5577.0, 5476.0, 5277.0, 5283.0, 5453.0, 5318.0, 5284.0, 5570.0, 5580.0, 5335.0, 5460.0, 5708.0, 5705.0, 5436.0, 5421.0, 5715.0, 5356.0, 5632.0, 5259.0, 5363.0, 5678.0, 5289.0, 5651.0, 5500.0, 5658.0, 5428.0, 5637.0, 5664.0, 5357.0, 5569.0, 5533.0, 5413.0, 5348.0, 5669.0, 5370.0, 5660.0, 5488.0, 5657.0, 5427.0, 5671.0, 5565.0, 5376.0, 5523.0, 5445.0, 5322.0, 5717.0, 5430.0, 5381.0, 5256.0, 5502.0, 5267.0, 5594.0, 5382.0, 5721.0, 5485.0, 5424.0, 5603.0, 5552.0, 5576.0, 5515.0, 5682.0, 5328.0, 5602.0, 5287.0, 5251.0, 5588.0, 5470.0, 5503.0, 5599.0 (number of hits: 8)
12	5510.0	9	1.0	333	1	5533.0, 5714.0, 5323.0, 5520.0, 5651.0, 5671.0, 5699.0, 5432.0, 5559.0, 5516.0, 5645.0, 5521.0, 5413.0, 5394.0, 5306.0, 5680.0, 5623.0, 5548.0, 5608.0, 5298.0, 5363.0, 5600.0, 5561.0, 5355.0, 5354.0, 5586.0, 5682.0, 5614.0, 5295.0, 5599.0, 5617.0, 5370.0, 5653.0, 5281.0, 5538.0, 5264.0, 5305.0, 5388.0, 5396.0, 5560.0, 5309.0, 5266.0, 5616.0, 5549.0, 5253.0, 5332.0, 5417.0, 5395.0, 5541.0, 5410.0, 5369.0, 5334.0, 5694.0, 5550.0, 5661.0, 5575.0, 5572.0, 5672.0, 5447.0, 5302.0, 5523.0, 5275.0, 5610.0, 5658.0, 5542.0, 5251.0, 5662.0, 5450.0, 5481.0, 5382.0, 5494.0, 5571.0, 5475.0, 5465.0, 5265.0, 5372.0, 5574.0, 5712.0, 5350.0, 5365.0, 5453.0, 5686.0, 5487.0, 5581.0, 5441.0, 5556.0, 5625.0, 5322.0, 5642.0, 5506.0, 5412.0, 5525.0, 5255.0, 5299.0, 5379.0, 5584.0, 5529.0, 5507.0, 5673.0, 5459.0 (number of hits: 8)
13	5510.0	9	1.0	333	1	5565.0, 5548.0, 5359.0, 5491.0, 5559.0, 5318.0, 5337.0, 5335.0, 5283.0, 5439.0, 5481.0, 5370.0, 5504.0, 5373.0, 5348.0, 5468.0, 5416.0, 5563.0, 5646.0, 5555.0, 5279.0, 5402.0, 5429.0, 5506.0, 5720.0, 5587.0, 5721.0, 5644.0, 5470.0, 5389.0, 5523.0, 5423.0, 5394.0, 5408.0, 5594.0, 5648.0, 5308.0, 5446.0, 5400.0, 5552.0, 5711.0, 5297.0, 5532.0, 5573.0, 5675.0, 5546.0, 5535.0, 5320.0, 5590.0, 5482.0, 5557.0, 5415.0, 5372.0, 5710.0, 5520.0, 5537.0, 5606.0, 5505.0, 5636.0, 5263.0, 5516.0, 5451.0, 5353.0, 5591.0, 5611.0, 5574.0, 5409.0, 5438.0, 5650.0, 5419.0, 5258.0, 5461.0, 5310.0, 5399.0, 5256.0, 5450.0, 5474.0, 5252.0, 5417.0, 5660.0, 5542.0, 5582.0, 5624.0, 5444.0, 5612.0, 5334.0, 5509.0, 5525.0, 5580.0, 5314.0, 5494.0, 5670.0, 5254.0, 5501.0, 5529.0, 5683.0, 5329.0, 5336.0, 5355.0, 5722.0 (number of hits: 10)
14	5510.0	9	1.0	333	1	5406.0, 5608.0, 5382.0, 5271.0, 5557.0, 5606.0, 5641.0, 5562.0, 5399.0, 5292.0, 5349.0, 5680.0, 5425.0, 5605.0, 5718.0, 5307.0, 5263.0, 5670.0, 5395.0, 5565.0, 5685.0, 5715.0, 5272.0, 5524.0, 5553.0, 5567.0, 5704.0, 5544.0, 5570.0, 5447.0, 5571.0, 5316.0, 5403.0, 5387.0, 5573.0, 5415.0, 5504.0, 5474.0, 5681.0, 5470.0, 5378.0, 5419.0, 5710.0, 5442.0, 5380.0, 5617.0, 5405.0, 5377.0, 5628.0, 5352.0, 5679.0, 5614.0, 5521.0, 5705.0, 5722.0, 5712.0, 5426.0, 5652.0, 5564.0, 5519.0, 5344.0, 5332.0, 5650.0, 5467.0, 5328.0, 5686.0, 5538.0, 5381.0, 5319.0, 5481.0, 5516.0, 5337.0, 5625.0, 5308.0, 5287.0, 5633.0, 5522.0, 5527.0, 5383.0, 5434.0, 5629.0, 5638.0, 5368.0, 5459.0, 5376.0, 5512.0, 5321.0, 5311.0,

						5465.0, 5372.0, 5475.0, 5412.0, 5645.0, 5499.0, 5530.0, 5551.0, 5661.0, 5257.0, 5266.0, 5618.0 (number of hits: 9)
15	5510.0	9	1.0	333	1	5322.0, 5254.0, 5339.0, 5422.0, 5545.0, 5709.0, 5335.0, 5529.0, 5531.0, 5450.0, 5398.0, 5694.0, 5643.0, 5704.0, 5406.0, 5716.0, 5613.0, 5646.0, 5600.0, 5312.0, 5623.0, 5476.0, 5527.0, 5371.0, 5447.0, 5331.0, 5589.0, 5360.0, 5641.0, 5341.0, 5288.0, 5467.0, 5718.0, 5683.0, 5400.0, 5657.0, 5556.0, 5585.0, 5607.0, 5602.0, 5399.0, 5570.0, 5603.0, 5301.0, 5276.0, 5705.0, 5659.0, 5611.0, 5547.0, 5621.0, 5678.0, 5579.0, 5494.0, 5651.0, 5692.0, 5338.0, 5415.0, 5508.0, 5453.0, 5387.0, 5319.0, 5413.0, 5477.0, 5620.0, 5403.0, 5452.0, 5283.0, 5455.0, 5566.0, 5437.0, 5383.0, 5558.0, 5311.0, 5264.0, 5259.0, 5365.0, 5518.0, 5510.0, 5554.0, 5673.0, 5606.0, 5583.0, 5270.0, 5333.0, 5401.0, 5530.0, 5294.0, 5433.0, 5258.0, 5574.0, 5261.0, 5642.0, 5513.0, 5472.0, 5356.0, 5321.0, 5293.0, 5428.0, 5257.0, 5419.0 (number of hits: 6)
16	5510.0	9	1.0	333	1	5407.0, 5616.0, 5624.0, 5659.0, 5704.0, 5365.0, 5324.0, 5259.0, 5561.0, 5557.0, 5513.0, 5334.0, 5368.0, 5331.0, 5533.0, 5622.0, 5439.0, 5474.0, 5554.0, 5532.0, 5681.0, 5357.0, 5475.0, 5478.0, 5270.0, 5310.0, 5364.0, 5294.0, 5420.0, 5438.0, 5606.0, 5655.0, 5312.0, 5581.0, 5346.0, 5275.0, 5341.0, 5516.0, 5456.0, 5358.0, 5696.0, 5591.0, 5343.0, 5541.0, 5490.0, 5419.0, 5643.0, 5511.0, 5361.0, 5716.0, 5338.0, 5455.0, 5384.0, 5258.0, 5703.0, 5692.0, 5257.0, 5307.0, 5514.0, 5562.0, 5254.0, 5723.0, 5416.0, 5574.0, 5401.0, 5316.0, 5551.0, 5683.0, 5584.0, 5360.0, 5485.0, 5537.0, 5279.0, 5496.0, 5664.0, 5295.0, 5710.0, 5644.0, 5640.0, 5706.0, 5568.0, 5480.0, 5488.0, 5669.0, 5422.0, 5471.0, 5453.0, 5697.0, 5721.0, 5709.0, 5442.0, 5403.0, 5373.0, 5345.0, 5441.0, 5306.0, 5332.0, 5291.0, 5255.0, 5435.0 (number of hits: 5)
17	5510.0	9	1.0	333	1	5387.0, 5456.0, 5586.0, 5447.0, 5511.0, 5476.0, 5369.0, 5473.0, 5440.0, 5554.0, 5690.0, 5306.0, 5601.0, 5461.0, 5316.0, 5572.0, 5355.0, 5332.0, 5413.0, 5724.0, 5325.0, 5318.0, 5295.0, 5683.0, 5539.0, 5251.0, 5337.0, 5479.0, 5723.0, 5269.0, 5716.0, 5637.0, 5660.0, 5675.0, 5320.0, 5597.0, 5334.0, 5490.0, 5540.0, 5340.0, 5436.0, 5599.0, 5343.0, 5624.0, 5697.0, 5429.0, 5688.0, 5409.0, 5363.0, 5264.0, 5514.0, 5636.0, 5585.0, 5462.0, 5364.0, 5525.0, 5583.0, 5319.0, 5620.0, 5270.0, 5652.0, 5282.0, 5443.0, 5538.0, 5263.0, 5380.0, 5284.0, 5602.0, 5439.0, 5486.0, 5560.0, 5670.0, 5513.0, 5581.0, 5534.0, 5575.0, 5527.0, 5422.0, 5388.0, 5497.0, 5644.0, 5654.0, 5470.0, 5310.0, 5396.0, 5649.0, 5477.0, 5365.0, 5412.0, 5299.0, 5271.0, 5621.0, 5699.0, 5432.0, 5414.0, 5608.0, 5533.0, 5702.0, 5417.0, 5459.0 (number of hits: 6)
18	5510.0	9	1.0	333	1	5634.0, 5351.0, 5611.0, 5558.0, 5385.0, 5527.0, 5260.0, 5633.0, 5691.0, 5436.0, 5265.0, 5612.0, 5328.0, 5709.0, 5337.0, 5470.0, 5653.0, 5697.0, 5303.0, 5285.0, 5508.0, 5294.0, 5605.0, 5479.0, 5407.0, 5564.0, 5447.0, 5600.0, 5593.0, 5333.0, 5377.0, 5630.0, 5562.0, 5621.0, 5454.0, 5293.0, 5679.0, 5493.0, 5614.0, 5498.0, 5268.0, 5354.0, 5304.0, 5281.0, 5571.0, 5283.0, 5389.0, 5502.0, 5371.0, 5387.0, 5567.0, 5541.0, 5504.0, 5555.0, 5289.0, 5539.0, 5559.0, 5336.0, 5437.0, 5687.0, 5713.0, 5460.0, 5507.0, 5629.0, 5526.0, 5362.0, 5579.0, 5536.0, 5520.0, 5299.0, 5659.0, 5487.0, 5306.0, 5442.0, 5386.0, 5626.0, 5430.0, 5531.0, 5326.0, 5492.0, 5261.0, 5705.0, 5706.0, 5471.0, 5365.0, 5528.0, 5503.0, 5379.0, 5363.0, 5711.0, 5533.0, 5368.0, 5452.0, 5544.0, 5616.0, 5714.0, 5696.0, 5624.0, 5718.0, 5262.0 (number of hits: 11)
19	5510.0	9	1.0	333	1	5414.0, 5260.0, 5333.0, 5606.0, 5654.0, 5390.0, 5656.0, 5482.0, 5586.0, 5721.0, 5434.0, 5665.0, 5618.0, 5548.0, 5504.0, 5339.0, 5623.0, 5608.0, 5662.0, 5447.0, 5467.0, 5715.0, 5629.0, 5533.0, 5661.0, 5564.0, 5311.0, 5521.0, 5571.0, 5511.0, 5644.0, 5460.0, 5593.0, 5325.0, 5526.0, 5631.0, 5674.0, 5507.0, 5408.0, 5349.0, 5565.0, 5588.0, 5635.0, 5368.0, 5321.0, 5466.0, 5269.0, 5285.0, 5598.0, 5439.0, 5381.0, 5293.0, 5643.0, 5251.0, 5323.0, 5342.0, 5268.0, 5397.0, 5378.0, 5639.0, 5463.0, 5398.0, 5527.0, 5428.0,

						5619.0, 5355.0, 5304.0, 5258.0, 5401.0, 5705.0, 5496.0, 5549.0, 5332.0, 5450.0, 5331.0, 5617.0, 5531.0, 5281.0, 5313.0, 5330.0, 5469.0, 5430.0, 5502.0, 5513.0, 5710.0, 5280.0, 5711.0, 5659.0, 5663.0, 5724.0, 5712.0, 5580.0, 5686.0, 5508.0, 5655.0, 5612.0, 5410.0, 5690.0, 5433.0, 5613.0 (number of hits: 10)
20	5510.0	9	1.0	333	1	5315.0, 5579.0, 5555.0, 5683.0, 5360.0, 5331.0, 5312.0, 5482.0, 5672.0, 5350.0, 5615.0, 5384.0, 5250.0, 5395.0, 5405.0, 5515.0, 5401.0, 5470.0, 5564.0, 5691.0, 5568.0, 5472.0, 5468.0, 5293.0, 5685.0, 5427.0, 5397.0, 5545.0, 5347.0, 5357.0, 5487.0, 5708.0, 5449.0, 5551.0, 5534.0, 5392.0, 5547.0, 5478.0, 5454.0, 5495.0, 5593.0, 5484.0, 5282.0, 5473.0, 5713.0, 5616.0, 5509.0, 5716.0, 5375.0, 5715.0, 5387.0, 5629.0, 5562.0, 5526.0, 5453.0, 5541.0, 5546.0, 5634.0, 5373.0, 5260.0, 5623.0, 5514.0, 5388.0, 5654.0, 5302.0, 5592.0, 5341.0, 5416.0, 5619.0, 5650.0, 5601.0, 5383.0, 5295.0, 5308.0, 5278.0, 5575.0, 5719.0, 5567.0, 5254.0, 5695.0, 5443.0, 5266.0, 5420.0, 5276.0, 5442.0, 5644.0, 5452.0, 5438.0, 5556.0, 5469.0, 5505.0, 5303.0, 5396.0, 5253.0, 5500.0, 5413.0, 5286.0, 5668.0, 5289.0, 5577.0 (number of hits: 7)
21	5510.0	9	1.0	333	1	5272.0, 5688.0, 5461.0, 5312.0, 5436.0, 5561.0, 5360.0, 5417.0, 5278.0, 5387.0, 5497.0, 5685.0, 5483.0, 5654.0, 5710.0, 5711.0, 5494.0, 5706.0, 5521.0, 5271.0, 5317.0, 5533.0, 5619.0, 5472.0, 5466.0, 5660.0, 5457.0, 5386.0, 5516.0, 5342.0, 5332.0, 5297.0, 5430.0, 5716.0, 5486.0, 5361.0, 5646.0, 5600.0, 5480.0, 5717.0, 5565.0, 5452.0, 5589.0, 5618.0, 5364.0, 5693.0, 5509.0, 5574.0, 5553.0, 5550.0, 5707.0, 5325.0, 5379.0, 5677.0, 5334.0, 5327.0, 5628.0, 5319.0, 5695.0, 5594.0, 5602.0, 5601.0, 5636.0, 5351.0, 5662.0, 5495.0, 5629.0, 5656.0, 5348.0, 5577.0, 5605.0, 5671.0, 5287.0, 5701.0, 5340.0, 5692.0, 5454.0, 5344.0, 5469.0, 5626.0, 5546.0, 5254.0, 5459.0, 5471.0, 5485.0, 5622.0, 5359.0, 5432.0, 5437.0, 5293.0, 5669.0, 5463.0, 5331.0, 5337.0, 5595.0, 5551.0, 5639.0, 5623.0, 5400.0, 5416.0 (number of hits: 6)
22	5510.0	9	1.0	333	1	5650.0, 5477.0, 5366.0, 5542.0, 5370.0, 5392.0, 5275.0, 5623.0, 5536.0, 5659.0, 5395.0, 5402.0, 5349.0, 5345.0, 5271.0, 5397.0, 5346.0, 5699.0, 5627.0, 5711.0, 5256.0, 5313.0, 5478.0, 5301.0, 5334.0, 5344.0, 5361.0, 5710.0, 5589.0, 5548.0, 5709.0, 5653.0, 5430.0, 5618.0, 5697.0, 5564.0, 5462.0, 5606.0, 5642.0, 5369.0, 5409.0, 5613.0, 5687.0, 5488.0, 5664.0, 5427.0, 5321.0, 5480.0, 5388.0, 5672.0, 5553.0, 5707.0, 5270.0, 5583.0, 5322.0, 5451.0, 5720.0, 5312.0, 5549.0, 5365.0, 5465.0, 5469.0, 5570.0, 5704.0, 5667.0, 5304.0, 5666.0, 5378.0, 5586.0, 5581.0, 5619.0, 5533.0, 5421.0, 5490.0, 5578.0, 5323.0, 5379.0, 5700.0, 5303.0, 5337.0, 5668.0, 5492.0, 5407.0, 5324.0, 5617.0, 5418.0, 5621.0, 5487.0, 5594.0, 5662.0, 5585.0, 5591.0, 5425.0, 5405.0, 5608.0, 5433.0, 5449.0, 5643.0, 5317.0, 5639.0 (number of hits: 1)
23	5510.0	9	1.0	333	1	5618.0, 5492.0, 5664.0, 5496.0, 5709.0, 5665.0, 5623.0, 5331.0, 5281.0, 5534.0, 5536.0, 5702.0, 5601.0, 5408.0, 5266.0, 5351.0, 5426.0, 5330.0, 5696.0, 5335.0, 5465.0, 5639.0, 5706.0, 5370.0, 5652.0, 5451.0, 5259.0, 5314.0, 5383.0, 5340.0, 5317.0, 5304.0, 5506.0, 5679.0, 5505.0, 5620.0, 5589.0, 5372.0, 5443.0, 5348.0, 5564.0, 5280.0, 5673.0, 5499.0, 5642.0, 5648.0, 5407.0, 5488.0, 5498.0, 5354.0, 5591.0, 5574.0, 5429.0, 5605.0, 5497.0, 5470.0, 5399.0, 5432.0, 5250.0, 5277.0, 5458.0, 5484.0, 5645.0, 5386.0, 5336.0, 5507.0, 5597.0, 5283.0, 5385.0, 5555.0, 5476.0, 5624.0, 5535.0, 5543.0, 5375.0, 5286.0, 5441.0, 5691.0, 5657.0, 5363.0, 5377.0, 5315.0, 5567.0, 5504.0, 5514.0, 5460.0, 5668.0, 5569.0, 5481.0, 5660.0, 5576.0, 5456.0, 5588.0, 5355.0, 5617.0, 5392.0, 5459.0, 5401.0, 5477.0, 5346.0 (number of hits: 10)
24	5510.0	9	1.0	333	1	5508.0, 5405.0, 5625.0, 5669.0, 5519.0, 5608.0, 5303.0, 5379.0, 5464.0, 5527.0, 5398.0, 5310.0, 5439.0, 5315.0, 5252.0, 5565.0, 5355.0, 5709.0, 5715.0, 5548.0, 5717.0, 5510.0, 5588.0, 5649.0, 5352.0, 5543.0, 5317.0, 5516.0, 5613.0, 5455.0, 5529.0, 5606.0, 5670.0, 5593.0, 5544.0, 5371.0, 5621.0, 5435.0, 5618.0, 5639.0,

						5366.0, 5722.0, 5489.0, 5301.0, 5456.0, 5590.0, 5348.0, 5389.0, 5390.0, 5278.0, 5681.0, 5474.0, 5388.0, 5571.0, 5647.0, 5479.0, 5302.0, 5698.0, 5614.0, 5699.0, 5484.0, 5347.0, 5443.0, 5497.0, 5462.0, 5694.0, 5619.0, 5403.0, 5721.0, 5449.0, 5485.0, 5326.0, 5269.0, 5471.0, 5627.0, 5364.0, 5362.0, 5539.0, 5423.0, 5558.0, 5710.0, 5292.0, 5594.0, 5402.0, 5354.0, 5445.0, 5340.0, 5308.0, 5319.0, 5534.0, 5298.0, 5334.0, 5723.0, 5322.0, 5682.0, 5630.0, 5631.0, 5492.0, 5693.0, 5601.0 (number of hits: 7)
25	5510.0	9	1.0	333	1	5578.0, 5468.0, 5711.0, 5601.0, 5256.0, 5396.0, 5673.0, 5449.0, 5700.0, 5343.0, 5456.0, 5504.0, 5323.0, 5677.0, 5620.0, 5466.0, 5682.0, 5463.0, 5683.0, 5542.0, 5557.0, 5523.0, 5507.0, 5631.0, 5264.0, 5442.0, 5357.0, 5713.0, 5655.0, 5722.0, 5278.0, 5704.0, 5418.0, 5401.0, 5281.0, 5532.0, 5492.0, 5266.0, 5255.0, 5506.0, 5708.0, 5476.0, 5522.0, 5619.0, 5337.0, 5540.0, 5723.0, 5590.0, 5585.0, 5481.0, 5336.0, 5690.0, 5331.0, 5432.0, 5322.0, 5724.0, 5525.0, 5641.0, 5448.0, 5475.0, 5461.0, 5535.0, 5718.0, 5689.0, 5714.0, 5719.0, 5467.0, 5603.0, 5408.0, 5477.0, 5497.0, 5380.0, 5537.0, 5611.0, 5424.0, 5450.0, 5455.0, 5562.0, 5600.0, 5630.0, 5515.0, 5712.0, 5269.0, 5656.0, 5410.0, 5643.0, 5667.0, 5638.0, 5344.0, 5321.0, 5470.0, 5346.0, 5524.0, 5622.0, 5340.0, 5674.0, 5279.0, 5577.0, 5521.0, 5604.0 (number of hits: 11)
26	5510.0	9	1.0	333	1	5658.0, 5345.0, 5585.0, 5649.0, 5300.0, 5301.0, 5560.0, 5484.0, 5296.0, 5265.0, 5565.0, 5572.0, 5620.0, 5497.0, 5405.0, 5279.0, 5664.0, 5506.0, 5559.0, 5694.0, 5639.0, 5588.0, 5290.0, 5678.0, 5420.0, 5259.0, 5636.0, 5490.0, 5385.0, 5587.0, 5322.0, 5542.0, 5496.0, 5724.0, 5554.0, 5451.0, 5340.0, 5319.0, 5364.0, 5707.0, 5374.0, 5679.0, 5584.0, 5673.0, 5555.0, 5254.0, 5294.0, 5313.0, 5492.0, 5611.0, 5459.0, 5696.0, 5621.0, 5599.0, 5686.0, 5715.0, 5415.0, 5304.0, 5527.0, 5400.0, 5305.0, 5514.0, 5625.0, 5321.0, 5352.0, 5538.0, 5262.0, 5268.0, 5662.0, 5509.0, 5702.0, 5417.0, 5468.0, 5339.0, 5718.0, 5691.0, 5504.0, 5586.0, 5652.0, 5705.0, 5616.0, 5380.0, 5635.0, 5614.0, 5608.0, 5487.0, 5423.0, 5370.0, 5641.0, 5256.0, 5551.0, 5522.0, 5637.0, 5258.0, 5716.0, 5271.0, 5722.0, 5406.0, 5266.0, 5529.0 (number of hits: 9)
27	5510.0	9	1.0	333	1	5264.0, 5465.0, 5397.0, 5420.0, 5360.0, 5567.0, 5469.0, 5338.0, 5590.0, 5666.0, 5576.0, 5673.0, 5562.0, 5591.0, 5368.0, 5634.0, 5348.0, 5371.0, 5661.0, 5679.0, 5327.0, 5699.0, 5443.0, 5483.0, 5455.0, 5289.0, 5540.0, 5706.0, 5409.0, 5603.0, 5668.0, 5379.0, 5575.0, 5471.0, 5454.0, 5596.0, 5616.0, 5437.0, 5669.0, 5648.0, 5298.0, 5494.0, 5393.0, 5274.0, 5708.0, 5608.0, 5647.0, 5549.0, 5617.0, 5436.0, 5559.0, 5273.0, 5317.0, 5365.0, 5506.0, 5478.0, 5467.0, 5615.0, 5594.0, 5411.0, 5561.0, 5628.0, 5520.0, 5414.0, 5370.0, 5646.0, 5347.0, 5381.0, 5349.0, 5498.0, 5341.0, 5681.0, 5399.0, 5369.0, 5686.0, 5290.0, 5408.0, 5695.0, 5421.0, 5321.0, 5410.0, 5473.0, 5390.0, 5279.0, 5700.0, 5580.0, 5588.0, 5415.0, 5707.0, 5463.0, 5627.0, 5501.0, 5333.0, 5312.0, 5675.0, 5480.0, 5546.0, 5692.0, 5340.0, 5622.0 (number of hits: 5)
28	5510.0	9	1.0	333	1	5589.0, 5646.0, 5711.0, 5292.0, 5649.0, 5439.0, 5369.0, 5605.0, 5717.0, 5432.0, 5681.0, 5523.0, 5478.0, 5563.0, 5429.0, 5459.0, 5669.0, 5707.0, 5467.0, 5298.0, 5535.0, 5658.0, 5398.0, 5328.0, 5366.0, 5545.0, 5490.0, 5543.0, 5392.0, 5709.0, 5464.0, 5673.0, 5322.0, 5561.0, 5421.0, 5261.0, 5400.0, 5484.0, 5625.0, 5620.0, 5304.0, 5491.0, 5498.0, 5270.0, 5628.0, 5331.0, 5335.0, 5668.0, 5465.0, 5258.0, 5621.0, 5381.0, 5348.0, 5704.0, 5302.0, 5423.0, 5531.0, 5592.0, 5505.0, 5585.0, 5307.0, 5690.0, 5425.0, 5299.0, 5705.0, 5629.0, 5329.0, 5352.0, 5599.0, 5607.0, 5715.0, 5520.0, 5434.0, 5506.0, 5635.0, 5315.0, 5399.0, 5353.0, 5548.0, 5282.0, 5376.0, 5297.0, 5306.0, 5470.0, 5325.0, 5443.0, 5634.0, 5564.0, 5512.0, 5456.0, 5511.0, 5286.0, 5281.0, 5583.0, 5591.0, 5451.0, 5339.0, 5567.0, 5384.0, 5268.0 (number of hits: 7)
29	5510.0	9	1.0	333	1	5572.0, 5514.0, 5506.0, 5631.0, 5457.0, 5564.0, 5539.0, 5546.0, 5394.0, 5317.0, 5567.0, 5454.0, 5322.0, 5429.0, 5353.0, 5582.0,

						5705.0, 5282.0, 5531.0, 5327.0, 5338.0, 5521.0, 5369.0, 5442.0, 5522.0, 5652.0, 5283.0, 5660.0, 5439.0, 5695.0, 5651.0, 5587.0, 5267.0, 5718.0, 5292.0, 5339.0, 5629.0, 5397.0, 5259.0, 5689.0, 5500.0, 5654.0, 5313.0, 5268.0, 5543.0, 5717.0, 5569.0, 5471.0, 5273.0, 5390.0, 5456.0, 5687.0, 5497.0, 5499.0, 5453.0, 5516.0, 5545.0, 5638.0, 5430.0, 5311.0, 5343.0, 5470.0, 5329.0, 5647.0, 5458.0, 5413.0, 5716.0, 5507.0, 5321.0, 5358.0, 5611.0, 5403.0, 5490.0, 5474.0, 5709.0, 5488.0, 5518.0, 5264.0, 5360.0, 5619.0, 5296.0, 5293.0, 5359.0, 5462.0, 5491.0, 5642.0, 5580.0, 5341.0, 5666.0, 5481.0, 5676.0, 5368.0, 5620.0, 5288.0, 5342.0, 5604.0, 5713.0, 5281.0, 5644.0, 5537.0 (number of hits: 10)
30	5510.0	9	1.0	333	1	5645.0, 5503.0, 5322.0, 5435.0, 5647.0, 5693.0, 5326.0, 5589.0, 5385.0, 5606.0, 5453.0, 5699.0, 5529.0, 5525.0, 5410.0, 5301.0, 5416.0, 5464.0, 5450.0, 5409.0, 5397.0, 5571.0, 5306.0, 5315.0, 5698.0, 5336.0, 5722.0, 5376.0, 5504.0, 5700.0, 5386.0, 5612.0, 5547.0, 5477.0, 5250.0, 5382.0, 5610.0, 5685.0, 5309.0, 5663.0, 5481.0, 5513.0, 5515.0, 5532.0, 5554.0, 5600.0, 5613.0, 5392.0, 5641.0, 5353.0, 5576.0, 5509.0, 5677.0, 5373.0, 5665.0, 5443.0, 5660.0, 5599.0, 5333.0, 5654.0, 5466.0, 5585.0, 5502.0, 5341.0, 5472.0, 5407.0, 5619.0, 5417.0, 5591.0, 5287.0, 5690.0, 5377.0, 5621.0, 5267.0, 5337.0, 5494.0, 5517.0, 5557.0, 5651.0, 5642.0, 5275.0, 5391.0, 5523.0, 5582.0, 5609.0, 5411.0, 5467.0, 5724.0, 5583.0, 5302.0, 5709.0, 5495.0, 5408.0, 5295.0, 5412.0, 5424.0, 5475.0, 5552.0, 5460.0, 5680.0 (number of hits: 11)

P2P Mode
Iron Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	88.3 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	62	1.0	858	1
2	81	1.0	658	1
3	86	1.0	618	1
4	76	1.0	698	1
5	68	1.0	778	1
6	65	1.0	818	1
7	95	1.0	558	1
8	99	1.0	538	1
9	78	1.0	678	1
10	58	1.0	918	1
11	83	1.0	638	1
12	74	1.0	718	0
13	70	1.0	758	1
14	61	1.0	878	1
15	102	1.0	518	1
1	19	1.0	2844	1
2	20	1.0	2681	1
3	73	1.0	732	1
4	35	1.0	1523	1
5	19	1.0	2838	1
6	24	1.0	2282	1
7	40	1.0	1322	1
8	93	1.0	570	1
9	21	1.0	2568	1
10	18	1.0	3040	1
11	19	1.0	2878	1
12	44	1.0	1223	1
13	80	1.0	663	1
14	21	1.0	2560	1
15	57	1.0	927	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	25	2.7	164	1
2	25	4.2	167	0
3	24	1.3	165	1
4	25	1.9	184	1
5	24	1.2	174	1
6	24	3.4	216	1
7	25	1.0	173	1
8	25	4.9	192	1
9	25	2.4	182	1
10	26	3.8	225	1
11	25	2.7	230	1
12	27	2.9	169	1
13	29	4.4	215	1
14	29	2.0	213	1
15	29	4.4	203	1
16	27	4.6	224	0
17	28	1.8	219	1
18	24	4.7	199	1
19	28	2.6	167	1
20	26	2.4	225	1
21	27	3.5	226	1
22	26	1.7	177	1
23	28	4.8	213	1
24	28	3.7	153	1
25	29	2.5	152	1
26	26	4.7	222	1
27	26	2.6	209	0
28	28	2.4	183	1
29	28	4.7	168	1
30	26	2.7	190	0
Detection Percentage: 86.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	7.5	253	1
2	17	7.2	266	1
3	16	6.5	310	1
4	18	6.2	392	1
5	17	9.6	222	1
6	18	6.8	322	1
7	17	9.7	459	1
8	16	9.8	334	1
9	16	6.4	360	1
10	17	6.3	401	1
11	17	9.0	404	1
12	16	9.6	411	0
13	18	10.0	336	0
14	17	7.8	363	1
15	18	9.7	352	1
16	18	9.2	430	0
17	18	8.0	320	1
18	17	6.5	284	1
19	18	8.5	326	1
20	17	8.3	368	1
21	17	9.7	334	1
22	16	8.5	248	0
23	16	8.7	320	1
24	16	6.5	467	1
25	17	9.8	215	1
26	18	8.0	456	1
27	16	10.0	271	1
28	16	9.1	478	0
29	16	8.2	421	1
30	18	6.9	262	1
Detection Percentage: 83.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	15.4	437	1
2	13	11.2	241	1
3	14	15.4	345	0
4	14	12.2	226	1
5	16	11.0	318	1
6	12	13.9	483	1
7	14	14.1	282	1
8	12	16.9	281	1
9	15	17.3	206	1
10	14	16.1	324	1
11	14	15.0	252	1
12	14	11.5	246	0
13	16	14.2	316	1
14	12	19.5	475	1
15	12	16.3	382	1
16	12	11.0	216	1
17	15	18.3	300	1
18	15	16.4	479	0
19	14	12.2	389	1
20	13	11.3	280	1
21	15	17.9	472	1
22	15	13.8	345	1
23	15	11.4	328	0
24	13	17.1	204	1
25	16	15.5	210	1
26	14	11.9	475	1
27	16	15.5	494	1
28	14	13.8	366	1
29	15	13.1	368	1
30	16	19.6	474	1
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	5494.4	1
12	5497.2	1
13	5496.4	1
14	5495.2	1
15	5496.8	1
16	5496.4	1
17	5498.0	1
18	5498.4	1
19	5497.2	1
20	5495.2	1
21	5566.0	1
22	5561.2	1
23	5560.8	1
24	5560.8	1
25	5561.6	1
26	5562.0	1
27	5562.4	1
28	5564.0	1
29	5563.6	1
30	5561.6	1
Detection Percentage: 100 % (>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	1	8	93.3			0.218590	
1	1	8	58.8			0.848389	
2	2	8	84.1	1483		1.323863	
3	3	8	84.4	1329	1240	2.357737	
4	3	8	86.5	1353	1235	3.097778	
5	1	8	69.8			3.236307	
6	3	8	91.9	1676	1336	4.198103	
7	2	8	59.2	1253		4.627874	
8	2	8	95.1	1502		5.466045	
9	2	8	73.4	1799		6.233062	1
10	2	8	85.9	1891		6.828356	
11	2	8	91.0	1941		7.327721	
12	3	8	54.9	1244	1835	7.906809	
13	3	8	54.6	1734	1254	8.798238	
14	3	8	78.6	1151	1553	9.134059	
15	3	8	84.1	1944	1941	9.515612	
16	2	8	78.7	1819		10.687423	
17	2	8	78.5	1910		10.761154	
18	3	8	63.1	1943	1991	11.379771	

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	11	79.4	1325		0.395351	1
1	1	11	87.2			0.783652	
2	2	11	92.6	1328		1.203435	
3	2	11	84.3	1626		2.017718	
4	2	11	63.4	1343		2.697816	
5	1	11	90.5			3.098122	
6	3	11	85.5	1480	1935	4.035119	
7	3	11	88.4	1288	1504	4.610437	
8	2	11	58.7	1120		5.268373	
9	1	11	62.1			5.450957	
10	2	11	64.8	1348		6.364979	
11	3	11	78.9	1334	1259	6.735836	
12	2	11	58.8	1465		7.648307	
13	2	11	66.2	1343		7.916234	
14	2	11	80.6	1096		8.908036	
15	2	11	98.4	1613		9.073471	
16	1	11	81.4			9.870368	
17	2	11	87.7	1350		10.308755	
18	3	11	63.7	1288	1398	11.134269	
19	2	11	57.7	1738		11.635701	

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	76.5			0.482821	1
1	3	14	67.8	1112	1114	0.966435	
2	3	14	84.5	1596	1679	1.900349	
3	3	14	85.8	1225	1941	2.413214	
4	2	14	50.6	1014		3.073926	
5	2	14	68.6	1307		4.453642	
6	3	14	88.4	1822	1686	5.182106	
7	2	14	82.0	1103		5.542636	
8	1	14	59.5			6.574155	
9	2	14	88.6	1805		6.871267	
10	3	14	67.1	1886	1445	7.643391	
11	3	14	76.5	1453	1869	8.541748	
12	3	14	91.5	1951	1481	9.346073	
13	3	14	87.8	1320	1541	9.750727	
14	2	14	90.3	1661		11.134425	
15	3	14	76.5	1534	1352	11.897167	

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	9	57.8	1842	1590	0.566055	1
1	1	9	60.8			1.446805	
2	3	9	74.2	1686	1156	1.893508	
3	2	9	50.3	1383		3.572997	
4	3	9	64.1	1398	1472	4.045542	
5	3	9	81.3	1389	1852	4.727164	
6	1	9	68.8			5.744362	
7	2	9	69.9	1205		7.217574	
8	3	9	59.6	1265	1563	8.085341	
9	3	9	68.6	1159	1750	8.443349	
10	3	9	76.4	1843	1558	9.516750	
11	3	9	75.4	1902	1670	10.810061	
12	3	9	91.6	1655	1431	11.111238	

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	11	62.2	1375		0.519372	
1	3	11	52.9	1128	1100	0.749698	
2	2	11	66.3	1545		1.681905	
3	2	11	99.8	1863		1.942622	
4	2	11	86.2	1635		2.690096	
5	3	11	88.2	1013	1138	3.745233	
6	3	11	58.9	1222	1737	4.360236	
7	3	11	69.1	1447	1608	4.735893	
8	2	11	53.4	1487		5.294935	
9	2	11	60.0	1429		6.120763	1
10	2	11	70.0	1542		6.647373	
11	1	11	55.9			7.432775	
12	1	11	56.9			8.140940	
13	3	11	50.3	1427	1717	8.337038	
14	1	11	82.1			9.293149	
15	2	11	58.2	1605		9.524969	
16	3	11	97.9	1515	1924	10.173948	
17	2	11	79.7	1281		11.011487	
18	1	11	76.7			11.840322	

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	77.6	1204		0.458896	1
1	2	9	69.5	1244		1.300990	
2	3	9	65.5	1717	1818	2.238150	
3	1	9	89.7			2.793577	
4	2	9	83.8	1513		3.454813	
5	3	9	85.6	1471	1801	4.223904	
6	2	9	80.9	1953		4.544981	
7	1	9	55.7			5.966829	
8	3	9	50.9	1367	1978	6.121892	
9	2	9	70.9	1873		7.239385	
10	2	9	74.8	1635		7.697789	
11	2	9	92.0	1236		8.406635	
12	1	9	58.0			9.189648	
13	2	9	70.4	1160		10.145914	
14	2	9	81.9	1869		11.043628	
15	3	9	80.9	1229	1995	11.920671	

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	11	62.3	1243		0.223693	1
1	2	11	61.3	1177		2.174727	
2	3	11	99.5	1632	1550	2.565209	
3	3	11	86.4	1466	1245	3.842150	
4	2	11	90.7	1376		4.940624	
5	2	11	62.3	1177		6.726377	
6	3	11	91.8	1961	1431	8.280290	
7	2	11	59.2	1746		9.040950	
8	1	11	92.8			10.477962	
9	2	11	73.6	1739		11.814013	

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	12	76.9			0.673025	1
1	1	12	66.3			1.618422	
2	2	12	53.7	1721		3.136374	
3	1	12	95.8			4.005046	
4	3	12	54.2	1461	1150	5.312247	
5	3	12	69.1	1659	1313	6.963007	
6	1	12	78.2			7.317736	
7	3	12	50.5	1280	1311	9.271196	
8	2	12	73.7	1890		10.080939	
9	2	12	58.4	1761		11.487525	

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	12	60.0	1622		0.166175	1
1	1	12	54.8			2.654144	
2	1	12	69.8			3.265088	
3	2	12	92.3	1708		5.871231	
4	2	12	55.6	1963		6.868380	
5	2	12	77.5	1750		8.908633	
6	1	12	70.0			9.167626	
7	3	12	64.1	1378	1253	10.771347	

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	73.3	1922		1.157954	1
1	2	14	67.8	1843		1.584609	
2	2	14	88.0	1465		2.834402	
3	2	14	66.2	1878		4.178049	
4	1	14	93.3			5.337196	
5	2	14	55.1	1119		6.805116	
6	1	14	74.2			8.942917	
7	1	14	96.7			10.535570	
8	2	14	60.2	1392		11.013116	

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	3	6	68.4	1545	1065	0.011838	1
1	2	6	84.1	1534		2.338769	
2	2	6	84.4	1016		2.738668	
3	2	6	50.7	1642		4.575164	
4	3	6	72.4	1122	1941	5.405822	
5	1	6	50.8			6.169123	
6	2	6	95.1	1158		7.399000	
7	2	6	89.1	1396		9.108841	
8	2	6	83.9	1996		9.619677	
9	2	6	54.2	1785		10.900910	

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	13	72.3	1218		0.549696	1
1	2	13	93.5	1695		1.792353	
2	1	13	85.6			3.662739	
3	1	13	87.6			4.666013	
4	2	13	96.4	1706		6.291417	
5	3	13	73.2	1666	1518	7.132464	
6	2	13	93.5	1607		9.270828	
7	3	13	84.9	1921	1582	10.348743	
8	2	13	88.4	1514		11.361541	

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	94.5	1514		0.534968	
1	3	11	75.8	1246	1689	1.027328	
2	1	11	52.9			1.583483	
3	3	11	50.3	1404	1302	1.986500	
4	3	11	71.4	1028	1358	2.534239	
5	2	11	87.9	1841		3.664434	
6	1	11	83.6			3.982976	
7	3	11	76.8	1791	1500	4.816015	
8	1	11	91.7			5.211155	
9	2	11	63.5	1284		6.075047	1
10	2	11	57.5	1149		6.673197	
11	3	11	76.4	1264	1859	7.051388	
12	2	11	59.3	1116		8.090357	
13	2	11	52.4	1540		8.648538	
14	3	11	77.4	1950	1793	9.310776	
15	2	11	69.7	1535		9.751009	
16	1	11	53.9			10.717632	
17	3	11	87.4	1665	1026	11.050558	
18	2	11	62.5	1792		11.956728	

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	8	96.3	1707		0.161492	
1	2	8	72.5	1503		2.057759	
2	2	8	83.2	1907		3.241277	
3	2	8	61.9	1114		3.794406	
4	1	8	73.5			4.828240	
5	2	8	91.4	1505		5.609236	
6	2	8	97.3	1881		6.876260	
7	2	8	52.5	1543		8.378637	1
8	1	8	90.9			9.199928	
9	2	8	68.8	1922		10.267966	
10	2	8	87.4	1296		11.801248	
0	2	8	96.3	1707		0.161492	
1	2	8	72.5	1503		2.057759	
2	2	8	83.2	1907		3.241277	

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	12	77.1			0.583559	1
1	1	12	52.4			1.455019	
2	1	12	90.7			2.637112	
3	2	12	52.6	1590		3.550113	
4	1	12	95.0			4.380485	
5	2	12	72.8	1610		5.901851	
6	3	12	57.1	1131	1616	6.803944	
7	2	12	91.2	1330		7.455468	
8	2	12	89.5	1310		8.206053	
9	1	12	56.8			9.323875	
10	1	12	63.6			10.606604	
11	3	12	74.8	1965	1820	11.174479	

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	85.0	1591		0.944981	1
1	3	11	65.2	1115	1889	2.071603	
2	2	11	51.4	1500		2.654517	
3	2	11	58.6	1434		4.331194	
4	2	11	52.7	1860		5.069450	
5	2	11	95.3	1467		7.083910	
6	1	11	56.3			7.929070	
7	2	11	61.3	1913		9.310103	
8	3	11	85.2	1964	1852	10.319548	
9	1	11	82.9			11.830949	

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	15	89.0	1052		0.553941	1
1	3	15	72.9	1600	1199	1.240575	
2	2	15	95.1	1328		2.498735	
3	3	15	93.6	1284	1078	3.065016	
4	1	15	97.9			3.644534	
5	3	15	73.3	1244	1406	4.891665	
6	1	15	50.5			5.522609	
7	3	15	98.3	1958	1206	6.000620	
8	2	15	54.6	1053		7.238472	
9	3	15	85.3	1563	1844	8.097752	
10	2	15	77.7	1496		8.593151	
11	2	15	55.2	1086		9.930212	
12	2	15	70.1	1291		10.432249	
13	1	15	88.5			11.918240	

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	16	87.6	1359		0.428847	1
1	1	16	62.9			1.486894	
2	2	16	87.6	1034		3.468063	
3	3	16	61.3	1924	1070	4.465839	
4	2	16	93.5	1131		4.926499	
5	1	16	67.2			7.059015	
6	3	16	56.8	1726	1254	8.253577	
7	2	16	79.0	1151		9.551961	
8	1	16	65.5			10.299729	
9	2	16	85.7	1607		11.356096	

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	13	55.0	1720		0.710300	1
1	2	13	81.8	1008		2.314830	
2	2	13	81.6	1145		2.781277	
3	3	13	87.7	1404	1211	4.624718	
4	1	13	89.6			5.066601	
5	3	13	65.7	1939	1018	6.455378	
6	3	13	74.6	1679	1442	7.508900	
7	1	13	63.8			9.125488	
8	2	13	55.1	1416		9.754927	
9	1	13	57.1			11.472737	

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	8	75.9	1761		0.645516	1
1	2	8	95.5	1484		1.568636	
2	3	8	76.2	1641	1063	1.813383	
3	1	8	85.6			2.807038	
4	1	8	72.7			3.536989	
5	3	8	62.2	1597	1933	4.662919	
6	2	8	58.2	1723		5.603939	
7	2	8	77.1	1545		6.264786	
8	2	8	92.0	1117		7.082633	
9	2	8	82.3	1704		8.096892	
10	1	8	95.5			8.721201	
11	2	8	75.6	1948		10.007859	
12	2	8	96.5	1710		10.428055	
13	2	8	89.6	1552		11.702933	

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	5	67.7	1390		0.835480	1
1	2	5	59.1	1052		1.078218	
2	3	5	88.9	1881	1209	2.623009	
3	2	5	87.4	1414		3.171759	
4	2	5	75.1	1503		4.127224	
5	3	5	72.9	1507	1495	5.856613	
6	1	5	85.1			6.833335	
7	2	5	98.6	1896		7.675544	
8	2	5	76.5	1149		8.255544	
9	2	5	88.7	1215		9.037016	
10	1	5	68.1			10.548180	
11	2	5	90.0	1087		11.740428	

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	17	86.5	1405		0.572479	1
1	2	17	67.4	1111		1.250428	
2	2	17	70.6	1868		1.623771	
3	1	17	79.7			2.049473	
4	2	17	60.0	1702		3.312459	
5	2	17	99.8	1896		3.485334	
6	3	17	94.7	1439	1830	4.143798	
7	3	17	61.0	1792	1408	4.780067	
8	1	17	76.8			5.373371	
9	3	17	51.8	1164	1570	6.596287	
10	2	17	75.9	1894		7.252144	
11	2	17	95.5	1905		7.554421	
12	2	17	92.3	1794		8.485423	
13	1	17	73.1			8.698528	
14	3	17	90.7	1657	1972	9.369827	
15	2	17	94.8	1952		10.266453	
16	1	17	72.8			11.071880	
17	1	17	59.7			11.403767	

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	18	52.9	1542		0.569323	
1	2	18	57.5	1097		0.805101	
2	2	18	63.4	1755		1.303858	
3	2	18	51.6	1355		2.000423	
4	2	18	97.9	1377		2.592605	
5	1	18	58.9			3.518930	
6	1	18	53.1			4.123262	
7	2	18	59.9	1883		4.728084	
8	2	18	71.8	1890		5.340248	
9	2	18	54.4	1496		5.875202	1
10	3	18	82.9	1329	1373	6.854005	
11	3	18	74.1	1202	1510	7.565399	
12	2	18	61.0	1853		7.698493	
13	2	18	98.2	1179		8.239439	
14	2	18	52.4	1038		8.971281	
15	3	18	79.1	1240	1676	9.948077	
16	1	18	56.9			10.221387	
17	2	18	53.1	1963		10.861624	
18	2	18	55.6	1102		11.955926	

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	18	58.4	1149		0.364075	1
1	3	18	95.7	1411	1168	1.100954	
2	2	18	66.9	1845		1.483261	
3	1	18	91.2			2.055839	
4	2	18	51.3	1829		2.483016	
5	3	18	76.3	1604	1738	3.168496	
6	3	18	59.5	1104	1369	4.043861	
7	2	18	59.9	1322		4.517238	
8	1	18	51.8			5.068851	
9	2	18	71.6	1209		5.862743	
10	1	18	65.1			6.372713	
11	2	18	83.9	1940		6.833065	
12	3	18	69.1	1900	1626	7.368767	
13	2	18	82.2	1789		8.362358	
14	2	18	74.6	1836		8.400324	
15	3	18	92.9	1957	1563	9.413580	
16	3	18	96.1	1160	1000	10.067103	
17	2	18	96.7	1800		10.631910	
18	2	18	78.1	1886		10.909335	
19	3	18	90.8	1684	1197	11.855273	

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	70.8	1963		0.070982	1
1	3	16	64.2	1394	1607	1.139681	
2	3	16	55.5	1845	1372	1.735413	
3	2	16	98.3	1700		2.393670	
4	2	16	54.4	1105		3.342330	
5	2	16	93.1	1372		4.480079	
6	1	16	50.3			5.234520	
7	2	16	58.8	1766		5.694205	
8	3	16	82.2	1948	1780	6.654036	
9	1	16	80.5			7.425461	
10	2	16	89.2	1805		7.635890	
11	2	16	72.0	1266		8.430932	
12	3	16	97.7	1260	1680	9.468401	
13	2	16	86.4	1158		9.872782	
14	2	16	71.9	1496		11.123071	
15	3	16	50.2	1284	1676	11.676455	

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	15	80.7			0.612732	
1	2	15	77.8	1488		1.556309	
2	3	15	98.6	1626	1862	2.222284	
3	2	15	81.6	1597		3.347676	
4	1	15	84.7			5.007260	
5	2	15	79.8	1326		6.296600	1
6	2	15	74.3	1706		7.283903	
7	2	15	53.7	1176		8.243574	
8	2	15	80.1	1464		9.675704	
9	2	15	88.9	1328		10.240727	
10	2	15	55.5	1766		11.555131	

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	14	80.0	1743	1395	0.196546	
1	1	14	76.5			0.828411	
2	3	14	62.5	1165	1965	1.931117	
3	2	14	72.2	1078		2.553769	
4	2	14	92.1	1150		3.495386	
5	2	14	60.7	1158		3.745937	
6	2	14	94.2	1612		4.343542	
7	1	14	68.1			5.359260	
8	1	14	78.3			5.978266	1
9	1	14	93.2			6.435388	
10	1	14	89.7			7.477587	
11	1	14	74.6			7.861242	
12	2	14	55.7	1211		8.877798	
13	2	14	79.5	1119		9.764336	
14	3	14	96.3	1281	1368	10.009067	
15	1	14	58.0			10.916470	
16	1	14	63.4			11.656832	

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	10	75.9	1507		0.451057	
1	2	10	80.6	1951		1.230991	
2	1	10	66.4			1.959456	
3	1	10	81.5			3.565235	
4	1	10	75.4			4.254063	
5	1	10	64.9			5.141157	
6	3	10	58.9	1333	1570	5.965478	1
7	3	10	64.8	1980	1257	7.123226	
8	2	10	62.8	1276		7.640018	
9	3	10	61.2	1378	1523	8.405744	
10	2	10	56.8	1970		9.533926	
11	2	10	81.0	1407		10.638739	
12	2	10	67.4	1255		11.443233	

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	74.3	1495	1648	0.247729	
1	1	11	82.0			0.975396	
2	1	11	84.6			1.348579	
3	1	11	84.0			2.249734	
4	2	11	80.8	1648		2.559444	
5	2	11	97.1	1034		3.452184	
6	2	11	70.4	1824		4.155649	
7	2	11	56.2	1367		4.678198	
8	2	11	89.0	1408		5.065970	
9	2	11	69.9	1891		5.653672	
10	3	11	91.3	1822	1415	6.107101	1
11	1	11	87.9			6.949198	
12	1	11	76.6			7.454878	
13	2	11	94.1	1572		7.801066	
14	2	11	66.6	1053		8.457966	
15	2	11	83.5	1617		9.298859	
16	3	11	70.1	1578	1535	10.078635	
17	2	11	61.8	1937		10.219873	
18	1	11	73.0			11.362797	
19	2	11	96.1	1792		11.718006	

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	16	66.1	1108	1873	0.056627	
1	2	16	86.6	1194		2.220484	
2	1	16	69.6			3.405960	
3	2	16	88.5	1480		4.314532	
4	3	16	84.2	1466	1957	5.575628	1
5	2	16	87.8	1484		7.729759	
6	1	16	67.3			9.318770	
7	3	16	76.2	1061	1320	10.566695	
8	2	16	65.0	1715		11.417303	

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	5530.0	9	1.0	333	1	5634.0, 5604.0, 5595.0, 5613.0, 5639.0, 5717.0, 5578.0, 5433.0, 5714.0, 5520.0, 5334.0, 5447.0, 5418.0, 5272.0, 5369.0, 5264.0, 5558.0, 5656.0, 5336.0, 5707.0, 5612.0, 5253.0, 5479.0, 5360.0, 5381.0, 5395.0, 5516.0, 5298.0, 5444.0, 5415.0, 5531.0, 5373.0, 5429.0, 5403.0, 5720.0, 5644.0, 5537.0, 5471.0, 5694.0, 5572.0, 5651.0, 5588.0, 5252.0, 5568.0, 5255.0, 5643.0, 5426.0, 5556.0, 5495.0, 5388.0, 5468.0, 5408.0, 5569.0, 5409.0, 5709.0, 5299.0, 5357.0, 5609.0, 5330.0, 5335.0, 5329.0, 5337.0, 5637.0, 5629.0, 5627.0, 5347.0, 5528.0, 5583.0, 5303.0, 5423.0, 5515.0, 5287.0, 5461.0, 5700.0, 5280.0, 5652.0, 5546.0, 5710.0, 5509.0, 5279.0, 5632.0, 5658.0, 5589.0, 5359.0, 5321.0, 5554.0, 5580.0, 5327.0, 5697.0, 5543.0, 5261.0, 5454.0, 5561.0, 5305.0, 5489.0, 5649.0, 5586.0, 5631.0, 5284.0, 5645.0 (number of hits: 14)
2	5530.0	9	1.0	333	1	5466.0, 5256.0, 5516.0, 5672.0, 5387.0, 5458.0, 5585.0, 5522.0, 5668.0, 5693.0, 5625.0, 5501.0, 5385.0, 5406.0, 5496.0, 5661.0, 5376.0, 5690.0, 5674.0, 5434.0, 5643.0, 5430.0, 5287.0, 5502.0, 5265.0, 5445.0, 5327.0, 5367.0, 5594.0, 5378.0, 5538.0, 5692.0, 5671.0, 5295.0, 5438.0, 5391.0, 5319.0, 5519.0, 5606.0, 5397.0, 5443.0, 5572.0, 5345.0, 5723.0, 5504.0, 5554.0, 5611.0, 5719.0, 5635.0, 5305.0, 5410.0, 5567.0, 5253.0, 5704.0, 5322.0, 5468.0, 5465.0, 5426.0, 5441.0, 5500.0, 5658.0, 5666.0, 5439.0, 5453.0, 5583.0, 5277.0, 5571.0, 5412.0, 5602.0, 5720.0, 5588.0, 5529.0, 5645.0, 5507.0, 5560.0, 5313.0, 5302.0, 5460.0, 5650.0, 5284.0, 5681.0, 5486.0, 5632.0, 5442.0, 5409.0, 5377.0, 5598.0, 5404.0, 5652.0, 5639.0, 5326.0, 5545.0, 5415.0, 5675.0, 5306.0, 5561.0, 5649.0, 5436.0, 5644.0, 5416.0 (number of hits: 16)
3	5530.0	9	1.0	333	1	5536.0, 5398.0, 5284.0, 5474.0, 5489.0, 5492.0, 5374.0, 5340.0, 5582.0, 5347.0, 5283.0, 5386.0, 5418.0, 5700.0, 5559.0, 5270.0, 5530.0, 5351.0, 5470.0, 5467.0, 5395.0, 5288.0, 5520.0, 5471.0, 5629.0, 5539.0, 5657.0, 5438.0, 5491.0, 5381.0, 5638.0, 5496.0, 5346.0, 5671.0, 5625.0, 5702.0, 5317.0, 5640.0, 5639.0, 5535.0, 5454.0, 5327.0, 5362.0, 5302.0, 5265.0, 5595.0, 5660.0, 5280.0, 5619.0, 5678.0, 5594.0, 5513.0, 5609.0, 5661.0, 5547.0, 5540.0, 5585.0, 5402.0, 5253.0, 5436.0, 5587.0, 5286.0, 5290.0, 5512.0, 5427.0, 5526.0, 5504.0, 5425.0, 5394.0, 5390.0, 5518.0, 5606.0, 5524.0, 5304.0, 5367.0, 5430.0, 5416.0, 5571.0, 5252.0, 5355.0, 5635.0, 5465.0, 5617.0, 5589.0, 5688.0, 5674.0, 5672.0, 5373.0, 5564.0, 5258.0, 5651.0, 5490.0, 5325.0, 5377.0, 5369.0, 5469.0, 5679.0, 5262.0, 5689.0, 5695.0 (number of hits: 17)
4	5530.0	9	1.0	333	1	5378.0, 5485.0, 5604.0, 5255.0, 5321.0, 5660.0, 5467.0, 5304.0, 5591.0, 5525.0, 5444.0, 5634.0, 5315.0, 5602.0, 5605.0, 5666.0, 5653.0, 5538.0, 5452.0, 5314.0, 5709.0, 5332.0, 5568.0, 5644.0, 5339.0, 5640.0, 5329.0, 5375.0, 5397.0, 5376.0, 5486.0, 5554.0, 5432.0, 5703.0, 5354.0, 5630.0, 5623.0, 5544.0, 5416.0, 5583.0, 5578.0, 5696.0, 5584.0, 5607.0, 5365.0, 5698.0, 5570.0, 5657.0, 5386.0, 5495.0, 5344.0, 5405.0, 5613.0, 5358.0, 5273.0, 5423.0, 5422.0, 5536.0, 5371.0, 5532.0, 5296.0, 5320.0, 5594.0, 5373.0, 5394.0, 5686.0, 5603.0, 5406.0, 5269.0, 5473.0, 5287.0, 5328.0, 5608.0, 5398.0, 5374.0, 5348.0, 5537.0, 5276.0, 5615.0, 5592.0, 5576.0, 5500.0, 5419.0, 5336.0, 5301.0, 5338.0, 5392.0, 5324.0, 5288.0, 5345.0, 5606.0, 5393.0, 5299.0, 5706.0, 5437.0, 5651.0, 5253.0, 5261.0, 5567.0, 5685.0 (number of hits: 10)
5	5530.0	9	1.0	333	1	5663.0, 5611.0, 5380.0, 5386.0, 5459.0, 5591.0, 5467.0, 5280.0, 5628.0, 5433.0, 5304.0, 5269.0, 5267.0, 5507.0, 5261.0, 5423.0, 5641.0, 5710.0, 5616.0, 5344.0, 5707.0, 5388.0, 5455.0, 5373.0, 5279.0, 5723.0, 5670.0, 5722.0, 5316.0, 5477.0, 5610.0, 5631.0,

						5325.0, 5251.0, 5366.0, 5509.0, 5326.0, 5586.0, 5451.0, 5468.0, 5258.0, 5605.0, 5370.0, 5655.0, 5697.0, 5474.0, 5501.0, 5293.0, 5429.0, 5355.0, 5368.0, 5553.0, 5406.0, 5460.0, 5539.0, 5512.0, 5602.0, 5635.0, 5568.0, 5529.0, 5711.0, 5630.0, 5497.0, 5505.0, 5620.0, 5330.0, 5439.0, 5353.0, 5418.0, 5542.0, 5709.0, 5453.0, 5271.0, 5436.0, 5678.0, 5384.0, 5600.0, 5653.0, 5343.0, 5294.0, 5712.0, 5578.0, 5637.0, 5629.0, 5708.0, 5454.0, 5391.0, 5574.0, 5276.0, 5324.0, 5717.0, 5716.0, 5503.0, 5525.0, 5530.0, 5554.0, 5302.0, 5298.0, 5682.0, 5685.0 (number of hits: 14)
6	5530.0	9	1.0	333	1	5605.0, 5544.0, 5333.0, 5634.0, 5671.0, 5665.0, 5578.0, 5431.0, 5519.0, 5402.0, 5337.0, 5636.0, 5608.0, 5524.0, 5609.0, 5459.0, 5481.0, 5515.0, 5623.0, 5429.0, 5408.0, 5670.0, 5715.0, 5540.0, 5564.0, 5644.0, 5425.0, 5267.0, 5522.0, 5722.0, 5274.0, 5625.0, 5631.0, 5511.0, 5444.0, 5309.0, 5661.0, 5559.0, 5615.0, 5652.0, 5393.0, 5575.0, 5660.0, 5475.0, 5314.0, 5269.0, 5278.0, 5613.0, 5688.0, 5308.0, 5443.0, 5502.0, 5510.0, 5363.0, 5455.0, 5477.0, 5662.0, 5323.0, 5531.0, 5526.0, 5572.0, 5256.0, 5566.0, 5483.0, 5676.0, 5318.0, 5508.0, 5391.0, 5458.0, 5374.0, 5503.0, 5419.0, 5535.0, 5496.0, 5415.0, 5316.0, 5707.0, 5339.0, 5448.0, 5418.0, 5690.0, 5350.0, 5338.0, 5537.0, 5463.0, 5310.0, 5717.0, 5692.0, 5545.0, 5386.0, 5709.0, 5450.0, 5369.0, 5701.0, 5377.0, 5436.0, 5595.0, 5499.0, 5721.0, 5321.0 (number of hits: 21)
7	5530.0	9	1.0	333	1	5666.0, 5518.0, 5377.0, 5263.0, 5601.0, 5593.0, 5568.0, 5519.0, 5431.0, 5626.0, 5411.0, 5307.0, 5285.0, 5578.0, 5540.0, 5251.0, 5513.0, 5572.0, 5309.0, 5563.0, 5710.0, 5469.0, 5674.0, 5611.0, 5529.0, 5352.0, 5253.0, 5523.0, 5455.0, 5336.0, 5638.0, 5521.0, 5530.0, 5471.0, 5438.0, 5682.0, 5605.0, 5517.0, 5256.0, 5437.0, 5690.0, 5380.0, 5363.0, 5407.0, 5484.0, 5482.0, 5364.0, 5370.0, 5398.0, 5512.0, 5654.0, 5281.0, 5317.0, 5496.0, 5434.0, 5602.0, 5532.0, 5300.0, 5372.0, 5647.0, 5547.0, 5681.0, 5427.0, 5680.0, 5275.0, 5258.0, 5672.0, 5453.0, 5525.0, 5595.0, 5267.0, 5661.0, 5335.0, 5360.0, 5628.0, 5397.0, 5334.0, 5677.0, 5526.0, 5483.0, 5289.0, 5604.0, 5577.0, 5330.0, 5466.0, 5569.0, 5357.0, 5592.0, 5579.0, 5685.0, 5383.0, 5454.0, 5533.0, 5389.0, 5351.0, 5600.0, 5668.0, 5259.0, 5287.0, 5346.0 (number of hits: 17)
8	5530.0	9	1.0	333	1	5644.0, 5554.0, 5431.0, 5266.0, 5680.0, 5488.0, 5510.0, 5380.0, 5486.0, 5405.0, 5284.0, 5606.0, 5355.0, 5252.0, 5270.0, 5476.0, 5391.0, 5543.0, 5308.0, 5294.0, 5688.0, 5333.0, 5607.0, 5452.0, 5325.0, 5505.0, 5559.0, 5384.0, 5430.0, 5458.0, 5435.0, 5363.0, 5710.0, 5330.0, 5394.0, 5360.0, 5257.0, 5496.0, 5498.0, 5723.0, 5448.0, 5259.0, 5347.0, 5271.0, 5615.0, 5382.0, 5376.0, 5722.0, 5633.0, 5705.0, 5685.0, 5636.0, 5268.0, 5509.0, 5424.0, 5441.0, 5717.0, 5632.0, 5631.0, 5669.0, 5272.0, 5474.0, 5522.0, 5629.0, 5712.0, 5684.0, 5682.0, 5588.0, 5658.0, 5373.0, 5449.0, 5292.0, 5454.0, 5587.0, 5443.0, 5568.0, 5401.0, 5562.0, 5494.0, 5340.0, 5331.0, 5473.0, 5293.0, 5657.0, 5484.0, 5408.0, 5548.0, 5619.0, 5393.0, 5569.0, 5508.0, 5630.0, 5462.0, 5262.0, 5549.0, 5418.0, 5516.0, 5312.0, 5538.0, 5573.0 (number of hits: 16)
9	5530.0	9	1.0	333	1	5276.0, 5561.0, 5621.0, 5698.0, 5440.0, 5553.0, 5685.0, 5689.0, 5565.0, 5585.0, 5403.0, 5618.0, 5509.0, 5637.0, 5605.0, 5414.0, 5452.0, 5261.0, 5707.0, 5412.0, 5476.0, 5450.0, 5545.0, 5601.0, 5537.0, 5566.0, 5391.0, 5676.0, 5526.0, 5582.0, 5644.0, 5482.0, 5486.0, 5271.0, 5472.0, 5335.0, 5547.0, 5505.0, 5281.0, 5380.0, 5683.0, 5285.0, 5629.0, 5426.0, 5672.0, 5485.0, 5615.0, 5587.0, 5364.0, 5336.0, 5691.0, 5384.0, 5620.0, 5358.0, 5448.0, 5515.0, 5571.0, 5597.0, 5574.0, 5457.0, 5616.0, 5415.0, 5262.0, 5492.0, 5539.0, 5420.0, 5570.0, 5711.0, 5642.0, 5385.0, 5256.0, 5556.0, 5330.0, 5251.0, 5355.0, 5290.0, 5651.0, 5348.0, 5389.0, 5595.0, 5280.0, 5445.0, 5481.0, 5266.0, 5455.0, 5697.0, 5664.0, 5278.0, 5295.0, 5376.0, 5665.0, 5250.0, 5643.0, 5345.0, 5291.0, 5282.0, 5563.0, 5703.0, 5367.0, 5454.0 (number of hits: 15)
10	5530.0	9	1.0	333	1	5517.0, 5487.0, 5415.0, 5386.0, 5618.0, 5453.0, 5427.0, 5636.0,

						5398.0, 5265.0, 5700.0, 5352.0, 5540.0, 5699.0, 5524.0, 5718.0, 5556.0, 5602.0, 5620.0, 5512.0, 5433.0, 5461.0, 5401.0, 5313.0, 5465.0, 5485.0, 5378.0, 5357.0, 5294.0, 5364.0, 5432.0, 5362.0, 5632.0, 5614.0, 5704.0, 5367.0, 5411.0, 5660.0, 5328.0, 5519.0, 5671.0, 5520.0, 5496.0, 5332.0, 5466.0, 5306.0, 5305.0, 5505.0, 5553.0, 5270.0, 5683.0, 5425.0, 5454.0, 5489.0, 5258.0, 5475.0, 5391.0, 5353.0, 5279.0, 5579.0, 5361.0, 5514.0, 5491.0, 5314.0, 5359.0, 5619.0, 5407.0, 5379.0, 5442.0, 5684.0, 5634.0, 5471.0, 5503.0, 5445.0, 5347.0, 5679.0, 5528.0, 5467.0, 5590.0, 5360.0, 5256.0, 5272.0, 5687.0, 5591.0, 5568.0, 5720.0, 5366.0, 5509.0, 5257.0, 5288.0, 5330.0, 5478.0, 5326.0, 5404.0, 5603.0, 5285.0, 5410.0, 5443.0, 5469.0, 5629.0 (number of hits: 14)
11	5530.0	9	1.0	333	1	5493.0, 5356.0, 5268.0, 5486.0, 5457.0, 5476.0, 5677.0, 5469.0, 5620.0, 5267.0, 5526.0, 5276.0, 5390.0, 5376.0, 5669.0, 5562.0, 5649.0, 5481.0, 5344.0, 5619.0, 5369.0, 5595.0, 5428.0, 5648.0, 5349.0, 5473.0, 5556.0, 5535.0, 5557.0, 5701.0, 5357.0, 5445.0, 5651.0, 5374.0, 5712.0, 5687.0, 5404.0, 5632.0, 5604.0, 5582.0, 5441.0, 5351.0, 5419.0, 5305.0, 5342.0, 5252.0, 5570.0, 5508.0, 5392.0, 5578.0, 5710.0, 5655.0, 5400.0, 5656.0, 5434.0, 5496.0, 5417.0, 5672.0, 5478.0, 5361.0, 5663.0, 5524.0, 5306.0, 5715.0, 5347.0, 5711.0, 5517.0, 5514.0, 5279.0, 5616.0, 5378.0, 5458.0, 5625.0, 5452.0, 5696.0, 5285.0, 5630.0, 5560.0, 5592.0, 5384.0, 5614.0, 5442.0, 5519.0, 5521.0, 5364.0, 5315.0, 5273.0, 5431.0, 5553.0, 5275.0, 5358.0, 5541.0, 5340.0, 5674.0, 5529.0, 5332.0, 5421.0, 5373.0, 5594.0, 5302.0 (number of hits: 17)
12	5530.0	9	1.0	333	1	5454.0, 5545.0, 5362.0, 5451.0, 5353.0, 5417.0, 5481.0, 5581.0, 5636.0, 5548.0, 5559.0, 5688.0, 5288.0, 5291.0, 5405.0, 5544.0, 5512.0, 5364.0, 5630.0, 5667.0, 5519.0, 5442.0, 5553.0, 5531.0, 5499.0, 5473.0, 5374.0, 5391.0, 5445.0, 5647.0, 5450.0, 5399.0, 5610.0, 5533.0, 5356.0, 5624.0, 5343.0, 5443.0, 5576.0, 5568.0, 5517.0, 5385.0, 5543.0, 5322.0, 5695.0, 5346.0, 5660.0, 5404.0, 5253.0, 5651.0, 5510.0, 5696.0, 5691.0, 5277.0, 5382.0, 5428.0, 5270.0, 5584.0, 5486.0, 5689.0, 5441.0, 5352.0, 5635.0, 5644.0, 5259.0, 5409.0, 5681.0, 5679.0, 5702.0, 5251.0, 5276.0, 5416.0, 5642.0, 5297.0, 5433.0, 5255.0, 5377.0, 5386.0, 5357.0, 5492.0, 5509.0, 5332.0, 5257.0, 5300.0, 5267.0, 5392.0, 5389.0, 5547.0, 5476.0, 5290.0, 5460.0, 5669.0, 5615.0, 5380.0, 5375.0, 5716.0, 5419.0, 5629.0, 5312.0, 5279.0 (number of hits: 16)
13	5530.0	9	1.0	333	1	5582.0, 5513.0, 5411.0, 5672.0, 5310.0, 5451.0, 5611.0, 5460.0, 5488.0, 5270.0, 5496.0, 5718.0, 5539.0, 5422.0, 5395.0, 5493.0, 5557.0, 5637.0, 5711.0, 5497.0, 5481.0, 5527.0, 5574.0, 5484.0, 5414.0, 5614.0, 5615.0, 5470.0, 5575.0, 5275.0, 5326.0, 5653.0, 5254.0, 5417.0, 5383.0, 5415.0, 5284.0, 5483.0, 5396.0, 5504.0, 5393.0, 5305.0, 5512.0, 5431.0, 5309.0, 5549.0, 5522.0, 5663.0, 5531.0, 5416.0, 5565.0, 5598.0, 5406.0, 5606.0, 5716.0, 5679.0, 5456.0, 5487.0, 5266.0, 5386.0, 5724.0, 5387.0, 5678.0, 5705.0, 5332.0, 5318.0, 5583.0, 5629.0, 5540.0, 5425.0, 5424.0, 5703.0, 5498.0, 5259.0, 5363.0, 5502.0, 5358.0, 5317.0, 5463.0, 5364.0, 5277.0, 5263.0, 5662.0, 5304.0, 5302.0, 5509.0, 5423.0, 5613.0, 5650.0, 5308.0, 5722.0, 5567.0, 5708.0, 5316.0, 5333.0, 5589.0, 5628.0, 5391.0, 5635.0, 5296.0 (number of hits: 18)
14	5530.0	9	1.0	333	1	5573.0, 5349.0, 5537.0, 5295.0, 5715.0, 5554.0, 5273.0, 5289.0, 5433.0, 5641.0, 5405.0, 5531.0, 5481.0, 5297.0, 5382.0, 5487.0, 5366.0, 5497.0, 5703.0, 5532.0, 5528.0, 5545.0, 5411.0, 5506.0, 5530.0, 5454.0, 5605.0, 5621.0, 5520.0, 5590.0, 5395.0, 5252.0, 5293.0, 5400.0, 5261.0, 5547.0, 5459.0, 5307.0, 5665.0, 5687.0, 5690.0, 5633.0, 5453.0, 5560.0, 5422.0, 5636.0, 5290.0, 5699.0, 5660.0, 5452.0, 5706.0, 5572.0, 5544.0, 5386.0, 5485.0, 5682.0, 5593.0, 5713.0, 5473.0, 5642.0, 5359.0, 5718.0, 5578.0, 5685.0, 5691.0, 5676.0, 5345.0, 5710.0, 5365.0, 5681.0, 5490.0, 5401.0, 5669.0, 5495.0, 5516.0, 5583.0, 5704.0, 5595.0, 5440.0, 5412.0, 5449.0, 5511.0, 5527.0, 5423.0, 5561.0, 5444.0, 5634.0, 5277.0,

						5589.0, 5565.0, 5613.0, 5639.0, 5330.0, 5684.0, 5640.0, 5407.0, 5586.0, 5409.0, 5371.0, 5264.0 (number of hits: 19)
15	5530.0	9	1.0	333	1	5326.0, 5401.0, 5270.0, 5463.0, 5602.0, 5584.0, 5404.0, 5670.0, 5433.0, 5506.0, 5605.0, 5624.0, 5601.0, 5683.0, 5381.0, 5473.0, 5636.0, 5704.0, 5528.0, 5503.0, 5306.0, 5486.0, 5394.0, 5678.0, 5690.0, 5418.0, 5599.0, 5323.0, 5578.0, 5484.0, 5253.0, 5577.0, 5485.0, 5669.0, 5587.0, 5668.0, 5676.0, 5659.0, 5588.0, 5421.0, 5611.0, 5654.0, 5315.0, 5269.0, 5549.0, 5511.0, 5389.0, 5685.0, 5362.0, 5405.0, 5530.0, 5537.0, 5705.0, 5307.0, 5539.0, 5318.0, 5514.0, 5264.0, 5574.0, 5335.0, 5440.0, 5724.0, 5557.0, 5606.0, 5585.0, 5465.0, 5470.0, 5351.0, 5276.0, 5304.0, 5452.0, 5544.0, 5660.0, 5431.0, 5689.0, 5573.0, 5397.0, 5333.0, 5491.0, 5538.0, 5548.0, 5313.0, 5321.0, 5350.0, 5338.0, 5527.0, 5437.0, 5691.0, 5561.0, 5556.0, 5478.0, 5518.0, 5344.0, 5658.0, 5569.0, 5256.0, 5434.0, 5265.0, 5312.0, 5424.0 (number of hits: 17)
16	5530.0	9	1.0	333	1	5332.0, 5645.0, 5303.0, 5617.0, 5411.0, 5421.0, 5683.0, 5532.0, 5711.0, 5512.0, 5260.0, 5471.0, 5299.0, 5694.0, 5614.0, 5615.0, 5333.0, 5459.0, 5366.0, 5463.0, 5718.0, 5523.0, 5670.0, 5466.0, 5438.0, 5425.0, 5721.0, 5451.0, 5722.0, 5410.0, 5604.0, 5709.0, 5324.0, 5315.0, 5498.0, 5592.0, 5686.0, 5570.0, 5578.0, 5441.0, 5586.0, 5551.0, 5412.0, 5561.0, 5700.0, 5419.0, 5256.0, 5516.0, 5527.0, 5563.0, 5464.0, 5564.0, 5583.0, 5481.0, 5580.0, 5330.0, 5620.0, 5293.0, 5510.0, 5603.0, 5402.0, 5713.0, 5289.0, 5618.0, 5371.0, 5693.0, 5473.0, 5503.0, 5309.0, 5381.0, 5714.0, 5364.0, 5340.0, 5379.0, 5350.0, 5430.0, 5647.0, 5321.0, 5389.0, 5370.0, 5273.0, 5565.0, 5403.0, 5268.0, 5545.0, 5525.0, 5374.0, 5378.0, 5619.0, 5254.0, 5661.0, 5336.0, 5601.0, 5528.0, 5656.0, 5504.0, 5505.0, 5552.0, 5520.0, 5409.0 (number of hits: 20)
17	5530.0	9	1.0	333	1	5530.0, 5560.0, 5514.0, 5584.0, 5610.0, 5470.0, 5268.0, 5401.0, 5407.0, 5533.0, 5280.0, 5380.0, 5571.0, 5261.0, 5686.0, 5312.0, 5641.0, 5575.0, 5484.0, 5272.0, 5698.0, 5262.0, 5431.0, 5469.0, 5439.0, 5508.0, 5420.0, 5498.0, 5685.0, 5320.0, 5298.0, 5504.0, 5369.0, 5606.0, 5578.0, 5608.0, 5378.0, 5703.0, 5436.0, 5586.0, 5567.0, 5473.0, 5406.0, 5490.0, 5461.0, 5585.0, 5543.0, 5434.0, 5696.0, 5561.0, 5394.0, 5390.0, 5269.0, 5699.0, 5640.0, 5704.0, 5553.0, 5674.0, 5462.0, 5273.0, 5550.0, 5647.0, 5672.0, 5592.0, 5724.0, 5638.0, 5255.0, 5303.0, 5475.0, 5410.0, 5405.0, 5324.0, 5658.0, 5614.0, 5347.0, 5382.0, 5289.0, 5596.0, 5258.0, 5253.0, 5343.0, 5311.0, 5569.0, 5302.0, 5635.0, 5358.0, 5580.0, 5607.0, 5496.0, 5611.0, 5595.0, 5279.0, 5500.0, 5299.0, 5370.0, 5388.0, 5512.0, 5525.0, 5376.0, 5455.0 (number of hits: 16)
18	5530.0	9	1.0	333	1	5288.0, 5506.0, 5280.0, 5605.0, 5691.0, 5399.0, 5384.0, 5628.0, 5721.0, 5572.0, 5299.0, 5513.0, 5383.0, 5504.0, 5422.0, 5552.0, 5584.0, 5263.0, 5548.0, 5254.0, 5559.0, 5264.0, 5375.0, 5466.0, 5293.0, 5545.0, 5440.0, 5267.0, 5443.0, 5522.0, 5631.0, 5449.0, 5557.0, 5251.0, 5616.0, 5302.0, 5470.0, 5560.0, 5283.0, 5597.0, 5287.0, 5367.0, 5623.0, 5709.0, 5438.0, 5450.0, 5371.0, 5561.0, 5397.0, 5420.0, 5297.0, 5650.0, 5332.0, 5683.0, 5305.0, 5378.0, 5336.0, 5334.0, 5634.0, 5682.0, 5660.0, 5514.0, 5431.0, 5651.0, 5274.0, 5363.0, 5724.0, 5581.0, 5475.0, 5392.0, 5640.0, 5502.0, 5544.0, 5398.0, 5606.0, 5412.0, 5362.0, 5546.0, 5252.0, 5310.0, 5720.0, 5604.0, 5454.0, 5646.0, 5340.0, 5424.0, 5717.0, 5716.0, 5657.0, 5621.0, 5550.0, 5377.0, 5306.0, 5637.0, 5674.0, 5503.0, 5447.0, 5629.0, 5351.0, 5565.0 (number of hits: 18)
19	5530.0	9	1.0	333	1	5653.0, 5655.0, 5327.0, 5387.0, 5326.0, 5318.0, 5436.0, 5551.0, 5607.0, 5694.0, 5707.0, 5457.0, 5658.0, 5494.0, 5562.0, 5469.0, 5379.0, 5673.0, 5455.0, 5683.0, 5475.0, 5570.0, 5495.0, 5316.0, 5468.0, 5405.0, 5716.0, 5504.0, 5353.0, 5278.0, 5277.0, 5287.0, 5502.0, 5517.0, 5649.0, 5555.0, 5628.0, 5700.0, 5516.0, 5484.0, 5667.0, 5566.0, 5616.0, 5648.0, 5483.0, 5718.0, 5441.0, 5680.0, 5464.0, 5651.0, 5385.0, 5621.0, 5598.0, 5322.0, 5404.0, 5386.0, 5619.0, 5712.0, 5342.0, 5465.0, 5274.0, 5380.0, 5310.0, 5645.0,

						5426.0, 5659.0, 5293.0, 5314.0, 5720.0, 5639.0, 5519.0, 5430.0, 5273.0, 5650.0, 5439.0, 5290.0, 5446.0, 5284.0, 5268.0, 5721.0, 5544.0, 5350.0, 5355.0, 5643.0, 5305.0, 5546.0, 5506.0, 5509.0, 5505.0, 5630.0, 5589.0, 5463.0, 5665.0, 5423.0, 5550.0, 5440.0, 5382.0, 5474.0, 5499.0, 5376.0 (number of hits: 18)
20	5530.0	9	1.0	333	1	5605.0, 5560.0, 5339.0, 5443.0, 5366.0, 5297.0, 5658.0, 5433.0, 5593.0, 5575.0, 5641.0, 5517.0, 5681.0, 5436.0, 5557.0, 5673.0, 5346.0, 5451.0, 5439.0, 5723.0, 5583.0, 5338.0, 5551.0, 5630.0, 5573.0, 5279.0, 5306.0, 5485.0, 5699.0, 5714.0, 5370.0, 5519.0, 5465.0, 5274.0, 5257.0, 5377.0, 5525.0, 5610.0, 5683.0, 5472.0, 5541.0, 5529.0, 5570.0, 5707.0, 5321.0, 5645.0, 5375.0, 5314.0, 5498.0, 5535.0, 5634.0, 5564.0, 5420.0, 5492.0, 5343.0, 5620.0, 5711.0, 5662.0, 5317.0, 5704.0, 5312.0, 5261.0, 5275.0, 5453.0, 5652.0, 5494.0, 5428.0, 5305.0, 5629.0, 5432.0, 5405.0, 5277.0, 5304.0, 5705.0, 5507.0, 5258.0, 5429.0, 5478.0, 5335.0, 5686.0, 5365.0, 5550.0, 5302.0, 5632.0, 5309.0, 5703.0, 5717.0, 5383.0, 5435.0, 5679.0, 5672.0, 5700.0, 5273.0, 5680.0, 5342.0, 5521.0, 5406.0, 5322.0, 5469.0, 5706.0 (number of hits: 16)
21	5530.0	9	1.0	333	1	5270.0, 5714.0, 5393.0, 5611.0, 5498.0, 5700.0, 5331.0, 5420.0, 5609.0, 5485.0, 5438.0, 5489.0, 5314.0, 5293.0, 5419.0, 5257.0, 5519.0, 5296.0, 5441.0, 5501.0, 5596.0, 5544.0, 5463.0, 5280.0, 5341.0, 5271.0, 5346.0, 5695.0, 5505.0, 5345.0, 5652.0, 5577.0, 5268.0, 5659.0, 5626.0, 5406.0, 5458.0, 5708.0, 5638.0, 5344.0, 5565.0, 5443.0, 5676.0, 5499.0, 5308.0, 5355.0, 5553.0, 5509.0, 5415.0, 5654.0, 5630.0, 5391.0, 5407.0, 5705.0, 5482.0, 5453.0, 5591.0, 5387.0, 5396.0, 5278.0, 5322.0, 5599.0, 5712.0, 5682.0, 5694.0, 5681.0, 5541.0, 5379.0, 5311.0, 5500.0, 5302.0, 5642.0, 5348.0, 5333.0, 5670.0, 5634.0, 5646.0, 5381.0, 5666.0, 5632.0, 5444.0, 5294.0, 5408.0, 5584.0, 5589.0, 5517.0, 5288.0, 5472.0, 5373.0, 5254.0, 5283.0, 5548.0, 5717.0, 5446.0, 5604.0, 5411.0, 5570.0, 5540.0, 5685.0, 5343.0 (number of hits: 14)
22	5530.0	9	1.0	333	1	5632.0, 5534.0, 5380.0, 5679.0, 5486.0, 5636.0, 5414.0, 5437.0, 5408.0, 5282.0, 5383.0, 5580.0, 5618.0, 5415.0, 5347.0, 5579.0, 5642.0, 5419.0, 5647.0, 5354.0, 5696.0, 5333.0, 5483.0, 5572.0, 5474.0, 5374.0, 5407.0, 5707.0, 5506.0, 5513.0, 5262.0, 5520.0, 5281.0, 5442.0, 5353.0, 5631.0, 5464.0, 5589.0, 5259.0, 5676.0, 5533.0, 5704.0, 5628.0, 5395.0, 5344.0, 5688.0, 5641.0, 5389.0, 5266.0, 5613.0, 5350.0, 5602.0, 5420.0, 5551.0, 5658.0, 5461.0, 5615.0, 5712.0, 5351.0, 5478.0, 5503.0, 5612.0, 5588.0, 5684.0, 5576.0, 5301.0, 5377.0, 5561.0, 5567.0, 5400.0, 5623.0, 5256.0, 5476.0, 5587.0, 5705.0, 5396.0, 5610.0, 5275.0, 5296.0, 5458.0, 5630.0, 5489.0, 5491.0, 5292.0, 5583.0, 5430.0, 5462.0, 5570.0, 5723.0, 5680.0, 5360.0, 5267.0, 5566.0, 5352.0, 5721.0, 5607.0, 5568.0, 5308.0, 5595.0, 5330.0 (number of hits: 10)
23	5530.0	9	1.0	333	1	5679.0, 5465.0, 5425.0, 5483.0, 5525.0, 5335.0, 5336.0, 5438.0, 5634.0, 5341.0, 5418.0, 5533.0, 5443.0, 5522.0, 5502.0, 5604.0, 5571.0, 5358.0, 5539.0, 5391.0, 5476.0, 5332.0, 5279.0, 5286.0, 5390.0, 5432.0, 5366.0, 5313.0, 5257.0, 5540.0, 5591.0, 5485.0, 5617.0, 5278.0, 5291.0, 5428.0, 5333.0, 5624.0, 5549.0, 5646.0, 5355.0, 5542.0, 5698.0, 5576.0, 5475.0, 5420.0, 5570.0, 5360.0, 5312.0, 5290.0, 5718.0, 5263.0, 5560.0, 5386.0, 5454.0, 5307.0, 5515.0, 5600.0, 5588.0, 5705.0, 5636.0, 5545.0, 5520.0, 5416.0, 5255.0, 5565.0, 5409.0, 5362.0, 5550.0, 5628.0, 5303.0, 5670.0, 5254.0, 5704.0, 5492.0, 5441.0, 5597.0, 5414.0, 5478.0, 5551.0, 5519.0, 5411.0, 5277.0, 5590.0, 5677.0, 5330.0, 5524.0, 5685.0, 5260.0, 5293.0, 5719.0, 5532.0, 5401.0, 5671.0, 5298.0, 5690.0, 5469.0, 5701.0, 5601.0, 5521.0 (number of hits: 20)
24	5530.0	9	1.0	333	1	5524.0, 5329.0, 5424.0, 5615.0, 5623.0, 5339.0, 5607.0, 5679.0, 5626.0, 5436.0, 5415.0, 5465.0, 5507.0, 5663.0, 5517.0, 5611.0, 5252.0, 5720.0, 5566.0, 5706.0, 5613.0, 5723.0, 5355.0, 5589.0, 5292.0, 5504.0, 5263.0, 5373.0, 5320.0, 5665.0, 5348.0, 5650.0, 5505.0, 5719.0, 5460.0, 5459.0, 5254.0, 5293.0, 5545.0, 5508.0,

						5667.0, 5646.0, 5450.0, 5495.0, 5624.0, 5601.0, 5561.0, 5313.0, 5278.0, 5315.0, 5326.0, 5282.0, 5491.0, 5486.0, 5455.0, 5333.0, 5651.0, 5541.0, 5653.0, 5711.0, 5534.0, 5408.0, 5586.0, 5657.0, 5251.0, 5272.0, 5499.0, 5260.0, 5414.0, 5571.0, 5319.0, 5658.0, 5281.0, 5490.0, 5416.0, 5452.0, 5336.0, 5496.0, 5702.0, 5269.0, 5398.0, 5305.0, 5722.0, 5598.0, 5380.0, 5261.0, 5298.0, 5388.0, 5359.0, 5347.0, 5338.0, 5661.0, 5664.0, 5567.0, 5318.0, 5413.0, 5583.0, 5375.0, 5713.0, 5255.0 (number of hits: 15)
25	5530.0	9	1.0	333	1	5262.0, 5722.0, 5388.0, 5530.0, 5525.0, 5554.0, 5566.0, 5657.0, 5667.0, 5398.0, 5348.0, 5277.0, 5616.0, 5444.0, 5442.0, 5413.0, 5420.0, 5682.0, 5483.0, 5585.0, 5494.0, 5366.0, 5294.0, 5263.0, 5381.0, 5374.0, 5614.0, 5313.0, 5383.0, 5571.0, 5628.0, 5282.0, 5391.0, 5639.0, 5260.0, 5319.0, 5373.0, 5515.0, 5565.0, 5579.0, 5630.0, 5486.0, 5526.0, 5534.0, 5325.0, 5326.0, 5303.0, 5465.0, 5660.0, 5592.0, 5284.0, 5446.0, 5703.0, 5462.0, 5350.0, 5341.0, 5668.0, 5550.0, 5369.0, 5382.0, 5533.0, 5623.0, 5522.0, 5286.0, 5346.0, 5666.0, 5654.0, 5578.0, 5407.0, 5385.0, 5368.0, 5441.0, 5675.0, 5560.0, 5269.0, 5418.0, 5540.0, 5613.0, 5701.0, 5671.0, 5513.0, 5317.0, 5636.0, 5573.0, 5596.0, 5481.0, 5344.0, 5400.0, 5607.0, 5719.0, 5330.0, 5647.0, 5355.0, 5669.0, 5479.0, 5395.0, 5478.0, 5297.0, 5538.0, 5678.0 (number of hits: 16)
26	5530.0	9	1.0	333	1	5333.0, 5491.0, 5619.0, 5407.0, 5441.0, 5273.0, 5554.0, 5721.0, 5471.0, 5346.0, 5405.0, 5555.0, 5309.0, 5395.0, 5436.0, 5621.0, 5350.0, 5612.0, 5498.0, 5479.0, 5251.0, 5705.0, 5390.0, 5266.0, 5503.0, 5275.0, 5384.0, 5661.0, 5563.0, 5671.0, 5527.0, 5543.0, 5393.0, 5382.0, 5669.0, 5634.0, 5420.0, 5632.0, 5329.0, 5322.0, 5404.0, 5585.0, 5276.0, 5724.0, 5504.0, 5289.0, 5700.0, 5327.0, 5638.0, 5488.0, 5458.0, 5568.0, 5557.0, 5455.0, 5684.0, 5575.0, 5499.0, 5620.0, 5355.0, 5633.0, 5608.0, 5256.0, 5368.0, 5284.0, 5357.0, 5451.0, 5508.0, 5487.0, 5411.0, 5297.0, 5389.0, 5253.0, 5433.0, 5540.0, 5295.0, 5361.0, 5345.0, 5423.0, 5267.0, 5538.0, 5653.0, 5694.0, 5435.0, 5703.0, 5325.0, 5474.0, 5681.0, 5511.0, 5566.0, 5454.0, 5549.0, 5682.0, 5478.0, 5521.0, 5501.0, 5490.0, 5610.0, 5396.0, 5480.0, 5506.0 (number of hits: 19)
27	5530.0	9	1.0	333	1	5304.0, 5395.0, 5309.0, 5643.0, 5392.0, 5519.0, 5286.0, 5311.0, 5535.0, 5262.0, 5413.0, 5552.0, 5663.0, 5424.0, 5561.0, 5609.0, 5444.0, 5423.0, 5461.0, 5422.0, 5676.0, 5451.0, 5516.0, 5494.0, 5288.0, 5564.0, 5569.0, 5724.0, 5361.0, 5463.0, 5428.0, 5665.0, 5648.0, 5259.0, 5692.0, 5622.0, 5675.0, 5638.0, 5401.0, 5656.0, 5720.0, 5343.0, 5256.0, 5616.0, 5440.0, 5493.0, 5279.0, 5382.0, 5497.0, 5611.0, 5448.0, 5637.0, 5612.0, 5295.0, 5669.0, 5592.0, 5321.0, 5574.0, 5641.0, 5723.0, 5354.0, 5372.0, 5400.0, 5570.0, 5654.0, 5586.0, 5335.0, 5606.0, 5292.0, 5277.0, 5323.0, 5441.0, 5344.0, 5306.0, 5300.0, 5481.0, 5545.0, 5338.0, 5393.0, 5670.0, 5518.0, 5655.0, 5347.0, 5664.0, 5667.0, 5353.0, 5503.0, 5261.0, 5317.0, 5559.0, 5617.0, 5420.0, 5397.0, 5264.0, 5662.0, 5360.0, 5364.0, 5307.0, 5411.0, 5351.0 (number of hits: 13)
28	5530.0	9	1.0	333	1	5649.0, 5576.0, 5286.0, 5384.0, 5608.0, 5418.0, 5670.0, 5409.0, 5411.0, 5662.0, 5713.0, 5256.0, 5314.0, 5425.0, 5587.0, 5477.0, 5555.0, 5644.0, 5377.0, 5621.0, 5673.0, 5315.0, 5554.0, 5405.0, 5419.0, 5295.0, 5640.0, 5679.0, 5424.0, 5539.0, 5559.0, 5328.0, 5374.0, 5569.0, 5340.0, 5692.0, 5284.0, 5272.0, 5600.0, 5277.0, 5293.0, 5574.0, 5352.0, 5607.0, 5486.0, 5697.0, 5712.0, 5550.0, 5484.0, 5611.0, 5462.0, 5458.0, 5497.0, 5542.0, 5274.0, 5516.0, 5688.0, 5674.0, 5385.0, 5653.0, 5522.0, 5548.0, 5366.0, 5660.0, 5305.0, 5694.0, 5457.0, 5693.0, 5338.0, 5708.0, 5501.0, 5699.0, 5626.0, 5666.0, 5528.0, 5597.0, 5276.0, 5491.0, 5622.0, 5667.0, 5487.0, 5474.0, 5580.0, 5682.0, 5432.0, 5709.0, 5624.0, 5435.0, 5716.0, 5298.0, 5719.0, 5370.0, 5288.0, 5285.0, 5590.0, 5480.0, 5465.0, 5561.0, 5495.0, 5343.0 (number of hits: 14)
29	5530.0	9	1.0	333	1	5492.0, 5629.0, 5639.0, 5428.0, 5659.0, 5656.0, 5605.0, 5344.0, 5715.0, 5468.0, 5577.0, 5320.0, 5252.0, 5713.0, 5274.0, 5337.0,

						5334.0, 5503.0, 5675.0, 5372.0, 5306.0, 5482.0, 5559.0, 5679.0, 5618.0, 5529.0, 5291.0, 5384.0, 5545.0, 5620.0, 5317.0, 5600.0, 5369.0, 5668.0, 5406.0, 5645.0, 5494.0, 5505.0, 5508.0, 5411.0, 5451.0, 5462.0, 5410.0, 5649.0, 5569.0, 5322.0, 5667.0, 5480.0, 5288.0, 5721.0, 5644.0, 5297.0, 5336.0, 5464.0, 5471.0, 5314.0, 5473.0, 5622.0, 5287.0, 5263.0, 5285.0, 5653.0, 5628.0, 5427.0, 5610.0, 5528.0, 5459.0, 5538.0, 5458.0, 5338.0, 5512.0, 5589.0, 5328.0, 5567.0, 5389.0, 5688.0, 5454.0, 5440.0, 5586.0, 5418.0, 5556.0, 5642.0, 5592.0, 5509.0, 5700.0, 5521.0, 5657.0, 5258.0, 5547.0, 5279.0, 5277.0, 5518.0, 5342.0, 5632.0, 5692.0, 5696.0, 5487.0, 5621.0, 5331.0, 5650.0 (number of hits: 17)
30	5530.0	9	1.0	333	1	5336.0, 5297.0, 5622.0, 5502.0, 5712.0, 5422.0, 5657.0, 5298.0, 5721.0, 5530.0, 5685.0, 5320.0, 5618.0, 5713.0, 5587.0, 5723.0, 5521.0, 5321.0, 5301.0, 5687.0, 5427.0, 5634.0, 5373.0, 5263.0, 5506.0, 5351.0, 5478.0, 5323.0, 5376.0, 5640.0, 5419.0, 5565.0, 5477.0, 5309.0, 5593.0, 5571.0, 5698.0, 5508.0, 5673.0, 5535.0, 5541.0, 5267.0, 5666.0, 5415.0, 5452.0, 5329.0, 5293.0, 5558.0, 5724.0, 5604.0, 5668.0, 5440.0, 5284.0, 5635.0, 5701.0, 5324.0, 5487.0, 5395.0, 5630.0, 5564.0, 5273.0, 5382.0, 5402.0, 5596.0, 5455.0, 5342.0, 5528.0, 5690.0, 5325.0, 5658.0, 5708.0, 5283.0, 5570.0, 5276.0, 5722.0, 5468.0, 5660.0, 5674.0, 5642.0, 5285.0, 5676.0, 5281.0, 5391.0, 5527.0, 5532.0, 5400.0, 5501.0, 5305.0, 5399.0, 5499.0, 5580.0, 5381.0, 5485.0, 5691.0, 5462.0, 5533.0, 5520.0, 5699.0, 5304.0, 5289.0 (number of hits: 17)

P2P Mode
Pine Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	57	1.0	938	1
2	63	1.0	838	1
3	72	1.0	738	1
4	81	1.0	658	1
5	83	1.0	638	1
6	61	1.0	878	1
7	76	1.0	698	1
8	92	1.0	578	1
9	78	1.0	678	0
10	65	1.0	818	1
11	86	1.0	618	1
12	59	1.0	898	1
13	74	1.0	718	0
14	67	1.0	798	1
15	99	1.0	538	1
16	20	1.0	2720	1
17	20	1.0	2693	1
18	50	1.0	1056	1
19	55	1.0	961	1
20	97	1.0	546	0
21	52	1.0	1019	1
22	19	1.0	2908	1
23	20	1.0	2747	1
24	69	1.0	767	1
25	54	1.0	989	1
26	43	1.0	1244	1
27	63	1.0	848	1
28	24	1.0	2279	1
29	20	1.0	2664	1
30	18	1.0	2959	1
Detection Percentage: 90.0 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	29	4.1	210	1
2	23	1.3	187	1
3	27	3.0	176	1
4	28	4.8	194	1
5	29	5.0	225	1
6	24	2.7	174	0
7	25	3.4	225	1
8	28	2.0	199	0
9	26	3.4	187	1
10	27	4.3	228	1
11	25	3.1	194	1
12	27	4.1	206	1
13	27	3.2	205	1
14	29	3.0	205	1
15	28	1.6	190	1
16	24	3.0	191	0
17	29	1.3	204	1
18	28	2.3	202	1
19	26	2.2	166	1
20	27	3.2	179	1
21	27	3.4	154	1
22	23	3.6	201	1
23	24	4.1	229	1
24	25	5.0	218	0
25	25	1.4	187	1
26	26	4.0	202	1
27	29	2.0	177	0
28	27	1.0	205	1
29	28	4.8	173	1
30	24	4.3	190	1
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	6.9	481	0
2	17	8.4	313	1
3	18	7.8	228	0
4	16	8.5	457	1
5	16	9.6	430	1
6	18	8.8	440	1
7	17	6.9	261	0
8	18	7.1	485	1
9	16	6.5	395	1
10	16	6.8	256	1
11	16	6.5	348	1
12	18	8.5	285	1
13	17	9.4	222	1
14	18	7.9	385	1
15	18	8.7	262	1
16	18	6.6	384	1
17	16	8.9	418	1
18	17	7.2	421	1
19	17	7.2	441	1
20	18	6.2	289	1
21	16	8.6	483	1
22	16	8.0	347	1
23	16	6.0	287	1
24	16	6.7	274	1
25	16	9.3	279	1
26	16	6.7	488	1
27	16	9.9	400	1
28	17	6.3	333	1
29	17	6.2	439	1
30	17	8.1	444	1
Detection Percentage: 90 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	14.9	240	1
2	15	19.6	307	1
3	12	17.2	203	1
4	12	19.5	262	1
5	12	15.2	380	1
6	16	16.1	490	1
7	14	18.4	219	1
8	13	12.9	339	1
9	15	14.6	274	1
10	15	15.8	236	0
11	13	17.8	338	0
12	16	19.5	312	1
13	16	17.4	318	1
14	12	19.4	468	1
15	15	19.9	325	1
16	12	14.9	342	1
17	15	11.3	483	0
18	13	11.2	433	1
19	16	19.7	396	0
20	14	11.7	465	1
21	13	12.0	430	1
22	12	14.7	262	0
23	12	17.7	210	1
24	14	13.0	381	1
25	14	18.9	242	0
26	12	11.1	380	1
27	12	17.4	225	1
28	14	15.3	384	1
29	12	11.9	227	0
30	13	11.9	400	1
Detection Percentage: 76.7 % (>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	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5494.6	1
12	5499.0	1
13	5496.2	1
14	5498.2	1
15	5496.2	1
16	5497.4	1
17	5497.8	1
18	5496.2	1
19	5494.2	1
20	5497.0	1
21	5506.2	1
22	5503.8	1
23	5502.6	1
24	5504.6	1
25	5501.0	1
26	5501.4	1
27	5504.6	1
28	5505.4	1
29	5505.0	1
30	5501.4	1
Detection Percentage: 100 % (>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	1	11	94.5			0.394894	1
1	2	11	86.9	1374		1.220610	
2	2	11	55.6	1249		1.778904	
3	1	11	50.7			2.231707	
4	1	11	77.8			2.850636	
5	3	11	76.5	1549	1751	3.935516	
6	2	11	98.3	1613		4.559369	
7	1	11	63.3			4.851219	
8	1	11	97.1			5.391662	
9	2	11	88.9	1177		6.421578	
10	3	11	92.4	1203	1575	7.241025	
11	3	11	71.7	1394	1496	7.832260	
12	3	11	95.9	1929	1512	8.273850	
13	1	11	52.5			8.688755	
14	2	11	80.5	1923		9.845991	
15	2	11	86.6	1232		10.228612	
16	3	11	96.1	1593	1243	11.196874	
17	1	11	76.1			11.976099	

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	10	58.2	2000	1218	0.385734	1
1	2	10	50.8	1789		1.510010	
2	2	10	53.4	1281		2.314836	
3	2	10	89.0	1660		3.332561	
4	2	10	67.2	1861		3.447768	
5	3	10	60.8	1135	1446	4.337849	
6	1	10	62.9			5.254307	
7	2	10	59.1	1377		6.276140	
8	1	10	59.8			7.698362	
9	2	10	93.2	1962		8.112688	
10	3	10	73.4	1755	1692	8.845862	
11	2	10	90.1	1739		9.801571	
12	3	10	54.0	1564	1283	10.546564	
13	3	10	75.8	1792	1913	11.648027	

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	10	93.0			0.614404	1
1	3	10	53.9	1257	1860	1.783115	
2	3	10	57.5	1694	1481	2.981134	
3	2	10	52.5	1711		4.239639	
4	2	10	63.2	1011		4.816733	
5	2	10	82.8	1575		6.895114	
6	3	10	80.0	1774	1701	8.111358	
7	1	10	50.1			8.983392	
8	1	10	52.7			10.555889	
9	2	10	60.0	1544		11.372424	

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	11	52.6	1132	1058	0.880941	1
1	2	11	95.3	1252		1.808665	
2	2	11	67.3	1162		2.358768	
3	1	11	60.4			3.429186	
4	3	11	78.1	1816	1263	4.281713	
5	2	11	53.1	1770		5.185157	
6	1	11	60.0			6.359845	
7	1	11	83.2			7.605828	
8	2	11	99.1	1374		8.705600	
9	3	11	69.4	1666	1475	9.834526	
10	2	11	88.9	1195		10.603814	
11	2	11	79.5	1324		11.430005	

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	1	11	93.7			0.875513	1
1	2	11	53.4	1739		2.167039	
2	1	11	86.5			3.223980	
3	2	11	63.7	1379		3.790649	
4	3	11	99.6	1147	1982	5.526044	
5	3	11	84.8	1603	1115	6.656146	
6	2	11	95.4	1752		7.871807	
7	2	11	95.7	1023		9.117000	
8	2	11	69.7	1890		9.915270	
9	2	11	63.3	1285		11.928956	

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	92.3	1645		0.073207	1
1	1	6	69.2			0.706739	
2	3	6	84.1	1116	1154	1.378106	
3	3	6	84.7	1380	1578	1.953478	
4	2	6	74.4	1681		2.711660	
5	3	6	79.2	1774	1894	3.376044	
6	3	6	76.4	1943	1680	3.930440	
7	2	6	79.5	1910		4.943622	
8	1	6	79.6			5.645573	
9	2	6	54.6	1487		5.779039	
10	3	6	75.2	1741	1437	6.463560	
11	2	6	93.8	1264		7.451175	
12	1	6	82.0			7.996711	
13	2	6	54.8	1352		8.299734	
14	1	6	65.3			9.107856	
15	3	6	64.1	1072	1584	10.076913	
16	3	6	55.3	1396	1782	10.336171	
17	2	6	81.9	1856		11.313139	
18	3	6	65.9	1497	1072	11.820476	

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	10	75.5	1720	1137	0.775773	1
1	3	10	63.6	1533	1722	1.354511	
2	3	10	81.2	1435	1115	2.346979	
3	2	10	61.1	1411		2.803429	
4	1	10	57.1			4.184132	
5	2	10	56.7	1821		4.297746	
6	2	10	73.5	1555		5.308896	
7	1	10	80.0			6.792795	
8	2	10	51.3	1458		7.284705	
9	1	10	92.8			8.224764	
10	2	10	75.6	1645		8.870893	
11	1	10	98.2			9.817929	
12	3	10	70.9	1636	1621	10.309884	
13	2	10	54.9	1250		11.185570	

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	11	76.6			0.728112	1
1	3	11	72.4	1584	1837	1.785831	
2	3	11	72.2	1351	1911	2.013375	
3	1	11	95.5			3.180941	
4	3	11	69.8	1841	1259	4.242402	
5	1	11	58.0			5.514904	
6	1	11	84.5			6.034534	
7	2	11	77.5	1504		6.604560	
8	2	11	87.6	1449		8.264426	
9	3	11	92.4	1988	1358	9.051406	
10	2	11	97.5	1537		9.828159	
11	2	11	66.0	1161		10.318755	
12	2	11	67.8	1203		11.741385	

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	7	71.1			0.071939	
1	3	7	67.5	1838	1652	1.239101	
2	2	7	79.0	1579		1.728504	
3	2	7	80.3	1737		1.987645	
4	1	7	62.3			3.072742	
5	1	7	79.7			3.696985	
6	3	7	50.6	1639	1086	4.078508	
7	1	7	80.5			4.663622	
8	2	7	64.6	1347		5.379679	
9	2	7	60.5	1004		5.800357	1
10	2	7	81.5	1377		6.383548	
11	1	7	72.6			7.476359	
12	2	7	57.3	1259		8.199582	
13	2	7	98.1	1955		8.823899	
14	3	7	85.1	1435	1800	9.437166	
15	1	7	65.0			9.599182	
16	1	7	69.6			10.416428	
17	1	7	96.6			11.337617	
18	3	7	55.9	1118	1862	11.557511	

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	9	90.7	1358		0.479244	1
1	1	9	50.1			1.072366	
2	2	9	80.8	1712		1.571566	
3	2	9	94.7	1704		2.268398	
4	2	9	81.1	1640		2.813683	
5	1	9	59.9			3.936055	
6	2	9	87.6	1876		4.515921	
7	2	9	70.5	1734		4.801441	
8	1	9	98.0			5.957527	
9	2	9	82.8	1425		6.264476	
10	1	9	65.1			6.987350	
11	3	9	94.6	1519	1100	7.420408	
12	2	9	76.4	1044		8.092933	
13	2	9	51.5	1073		9.184290	
14	3	9	95.9	1345	1194	9.750571	
15	2	9	99.7	1107		10.231225	
16	2	9	62.1	1925		11.228324	
17	2	9	68.0	1557		11.963105	

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	9	61.2	1415		0.700541	
1	2	9	79.4	1026		1.370551	
2	1	9	84.1			3.369514	
3	3	9	60.2	1169	1906	4.017532	
4	2	9	76.1	1289		6.282431	1
5	2	9	71.9	1540		7.688954	
6	3	9	82.5	1447	1467	8.312055	
7	2	9	93.2	1757		10.632278	
8	3	9	52.7	1407	1822	11.378932	

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	96.2	1820		0.088791	
1	2	20	79.3	1653		1.884703	
2	2	20	57.7	1623		3.565974	
3	3	20	87.2	1049	1549	3.781280	
4	1	20	74.1			4.992326	
5	3	20	90.2	1408	1023	6.962697	1
6	1	20	75.9			7.314719	
7	2	20	75.3	1255		8.660909	
8	3	20	95.5	1146	1207	9.617651	
9	2	20	89.9	1749		11.132550	

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	13	63.4	1394		0.244494	
1	3	13	96.1	1978	1361	1.865269	
2	1	13	57.7			3.042454	
3	3	13	94.9	1014	1725	4.547448	
4	1	13	93.7			5.037676	1
5	2	13	59.7	1025		6.971116	
6	3	13	91.0	1262	1915	7.833262	
7	2	13	82.6	1939		8.655028	
8	2	13	67.2	1658		10.124312	
9	1	13	61.3			11.522169	

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	90.1	1037		0.563242	
1	2	18	56.8	1554		0.850097	
2	2	18	97.7	1907		1.752650	
3	2	18	73.1	1051		2.152754	
4	2	18	68.3	1516		3.154029	
5	3	18	69.8	1048	1120	4.222624	
6	2	18	72.4	1617		4.515773	
7	2	18	53.6	1833		5.501123	
8	2	18	57.5	1507		5.657800	1
9	2	18	89.4	1598		6.746878	
10	3	18	52.3	1339	1744	7.088128	
11	1	18	79.8			7.825997	
12	1	18	61.3			8.539654	
13	1	18	50.9			9.184099	
14	1	18	95.2			10.436539	
15	2	18	78.5	1997		11.226745	
16	2	18	70.0	1044		11.973064	

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	80.1	1191	1320	0.085168	1
1	2	13	97.5	1566		1.583083	
2	2	13	96.2	1534		2.427534	
3	3	13	68.1	1202	1211	3.103410	
4	3	13	73.4	1429	1924	4.149020	
5	2	13	86.9	1301		4.621712	
6	1	13	53.0			5.538627	
7	2	13	89.8	1374		6.326417	
8	3	13	82.1	1452	1405	7.301837	
9	1	13	93.1			8.347296	
10	2	13	61.5	1954		9.195417	
11	3	13	84.2	1004	1352	10.000850	
12	2	13	53.2	1995		10.868209	
13	2	13	89.9	1965		11.974192	

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	3	16	90.3	1832	1163	0.330815	1
1	2	16	94.4	1506		1.084462	
2	1	16	91.2			1.722090	
3	3	16	80.0	1087	1297	3.173529	
4	2	16	57.8	1953		3.691882	
5	2	16	95.3	1767		4.515850	
6	1	16	94.4			4.969205	
7	2	16	56.5	1303		6.242912	
8	2	16	82.6	1230		6.610260	
9	2	16	99.0	1904		7.420324	
10	2	16	96.8	1985		8.471725	
11	2	16	52.7	1766		9.059782	
12	2	16	96.8	1358		9.729915	
13	3	16	84.7	1057	1381	10.835169	
14	1	16	50.0			11.707928	

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	92.2			0.077248	
1	2	17	75.3	1323		1.247209	
2	2	17	77.3	1906		2.245791	
3	1	17	72.7			3.600673	
4	1	17	96.5			4.532120	
5	2	17	51.1	1357		4.819423	
6	2	17	96.6	1374		6.385881	1
7	2	17	86.1	1181		6.978807	
8	1	17	76.2			7.698377	
9	3	17	79.2	1666	1660	8.343391	
10	2	17	62.5	1384		10.024713	
11	2	17	68.1	1242		10.404432	
12	2	17	85.8	1694		11.540158	

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	13	74.0	1333		0.105569	
1	2	13	82.5	1242		1.276529	
2	2	13	52.2	1380		1.955730	
3	2	13	64.4	1047		2.474047	
4	1	13	55.6			3.686889	
5	1	13	80.1			4.104905	
6	2	13	58.8	1581		5.183495	
7	2	13	68.5	1328		5.661403	1
8	1	13	86.3			7.157408	
9	2	13	93.3	1939		7.368539	
10	2	13	83.1	1981		8.583249	
11	2	13	67.3	1963		9.224511	
12	3	13	81.4	1375	1712	10.348340	
13	2	13	87.6	1671		10.410163	
14	2	13	95.8	1868		11.704482	

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	8	97.9	1174		0.842145	1
1	2	8	65.4	1015		2.022515	
2	2	8	91.2	1859		2.587407	
3	3	8	91.8	1023	1043	3.776357	
4	1	8	66.4			5.252044	
5	2	8	86.7	1445		7.178843	
6	2	8	90.4	1657		8.353342	
7	3	8	61.8	1882	1081	9.561994	
8	1	8	76.8			10.086184	
9	2	8	97.6	1101		11.882867	

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	15	84.3			0.455826	1
1	2	15	54.6	1009		1.480018	
2	2	15	98.8	1576		1.985984	
3	3	15	59.2	1592	1298	3.179454	
4	3	15	76.4	1970	1236	4.241760	
5	3	15	70.6	1982	1954	4.386251	
6	2	15	64.1	1136		5.322511	
7	1	15	86.9			6.627254	
8	1	15	69.3			6.951470	
9	1	15	53.5			7.891497	
10	2	15	83.5	1675		8.988028	
11	2	15	58.8	1836		9.763630	
12	2	15	83.0	1692		10.428408	
13	2	15	58.9	1249		11.652308	

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	3	7	88.7	1659	1170	0.189994	
1	2	7	87.8	1255		0.734982	
2	2	7	56.1	1708		1.466631	
3	1	7	74.7			2.106310	
4	2	7	96.2	1767		3.070565	
5	2	7	66.0	1469		3.228679	
6	2	7	60.8	1095		3.987167	
7	2	7	75.1	1055		4.466958	
8	2	7	83.3	1476		5.590289	
9	1	7	58.8			6.054407	1
10	1	7	57.8			6.742353	
11	1	7	55.1			7.004433	
12	2	7	65.6	1203		7.778672	
13	2	7	57.8	1880		8.344470	
14	2	7	91.0	1122		9.274495	
15	3	7	87.0	1041	1610	9.665239	
16	1	7	96.4			10.627766	
17	1	7	89.7			10.981310	
18	2	7	60.4	1232		11.974816	

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	13	65.1	1082		0.742521	
1	2	13	63.4	1777		1.154002	
2	2	13	88.2	1780		2.495701	
3	1	13	68.4			2.689882	
4	3	13	63.1	1340	1097	4.131414	
5	1	13	82.2			4.535009	
6	2	13	86.4	1425		5.614032	
7	3	13	91.1	1658	1059	6.238990	1
8	1	13	66.9			6.990872	
9	2	13	55.6	1147		7.889218	
10	1	13	77.5			8.919084	
11	2	13	70.8	1445		9.741328	
12	2	13	80.8	1720		10.364330	
13	1	13	85.3			11.301542	

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	16	84.2			0.575546	
1	1	16	64.7			0.948449	
2	1	16	90.1			1.485819	
3	3	16	74.8	1955	1943	2.332171	
4	2	16	51.0	1066		3.440502	
5	2	16	79.2	1659		3.746180	
6	3	16	70.8	1941	1299	4.849829	
7	2	16	81.8	1264		5.145774	
8	3	16	68.5	1762	1173	5.918172	1
9	3	16	76.2	1422	1448	6.896622	
10	2	16	93.1	1085		7.196276	
11	3	16	67.0	1456	1858	8.188664	
12	3	16	69.7	1886	1011	9.019564	
13	2	16	95.1	1436		9.735035	
14	3	16	78.2	1020	1607	10.262414	
15	2	16	82.1	1532		10.949619	
16	1	16	61.9			11.307206	

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	11	80.0	1239		0.233147	1
1	3	11	60.3	1246	1587	1.566795	
2	1	11	71.3			2.187528	
3	3	11	75.3	1205	1131	3.328878	
4	2	11	66.6	1099		4.422796	
5	2	11	58.6	1897		5.151948	
6	2	11	51.1	1743		6.034101	
7	2	11	60.9	1665		7.071674	
8	2	11	54.2	1379		8.022017	
9	2	11	52.4	1006		9.687065	
10	3	11	89.6	1931	1363	10.503205	
11	3	11	94.4	1362	1985	11.838963	

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	20	87.9	1854		0.226491	1
1	1	20	80.5			0.826269	
2	3	20	96.3	1079	1770	1.689875	
3	1	20	69.0			2.142955	
4	2	20	92.9	1943		2.532982	
5	1	20	70.9			3.418427	
6	2	20	79.4	1717		4.316439	
7	2	20	93.1	1928		5.025241	
8	3	20	60.8	1695	1183	5.354630	
9	3	20	81.9	1657	1178	5.831509	
10	1	20	85.4			6.766709	
11	2	20	81.3	1521		7.188932	
12	1	20	81.4			7.814712	
13	2	20	59.3	1661		8.365994	
14	3	20	76.9	1792	1568	9.459040	
15	1	20	65.7			9.598836	
16	2	20	89.6	1648		10.693767	
17	3	20	61.5	1156	1912	10.889986	
18	2	20	58.7	1545		11.873618	

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	19	51.9	1256	1696	0.944300	
1	2	19	95.5	1442		1.904129	
2	3	19	62.3	1831	1307	3.598217	
3	2	19	92.7	1847		4.766749	
4	3	19	59.7	1999	1237	5.389020	1
5	2	19	77.8	1774		7.759496	
6	2	19	84.1	1348		8.060712	
7	2	19	80.3	1395		9.405498	
8	2	19	80.6	1099		11.844886	

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	89.0	1735	1620	0.147494	
1	2	11	60.7	1239		0.812700	
2	2	11	85.4	1127		1.891932	
3	2	11	68.6	1382		2.675809	
4	1	11	82.5			3.052847	
5	2	11	72.8	1219		4.200838	
6	2	11	50.7	1105		4.499243	
7	3	11	89.0	1978	1053	5.275625	
8	1	11	93.8			6.191877	1
9	2	11	53.2	1226		6.734420	
10	1	11	65.9			7.216432	
11	1	11	93.2			7.828525	
12	1	11	99.2			8.713179	
13	3	11	68.9	1462	1012	9.464025	
14	3	11	87.9	1411	1529	10.112707	
15	2	11	56.8	1469		10.916524	
16	2	11	57.0	1250		11.881731	

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	1	9	77.7			0.271468	
1	3	9	59.8	1055	1344	0.859179	
2	1	9	88.6			1.946835	
3	2	9	71.5	1466		2.987306	
4	1	9	99.8			3.535258	
5	3	9	96.9	1833	1465	4.126754	
6	1	9	75.7			5.499452	
7	3	9	69.2	1293	1502	6.125090	1
8	3	9	67.1	1108	1445	6.743634	
9	1	9	57.7			7.791041	
10	2	9	77.7	1636		8.545150	
11	2	9	81.6	1374		9.478466	
12	2	9	96.7	1169		9.997158	
13	2	9	96.3	1328		10.480882	
14	2	9	52.1	1656		11.843419	

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	10	86.1	1672	1399	0.800549	
1	2	10	86.6	1428		0.938402	
2	2	10	60.9	1415		1.764541	
3	3	10	72.1	1927	1931	3.332791	
4	2	10	95.0	1733		3.951262	
5	2	10	94.4	1794		4.757112	
6	2	10	51.8	1993		5.722993	
7	2	10	50.5	1708		6.498120	1
8	2	10	98.0	1494		7.650742	
9	1	10	72.8			7.777858	
10	2	10	99.9	1955		9.199958	
11	1	10	87.0			9.944059	
12	2	10	57.6	1058		10.299824	
13	2	10	93.8	1669		11.298962	

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	19	91.3			0.518771	
1	2	19	58.9	1486		0.798930	
2	2	19	84.5	1995		2.106719	
3	2	19	56.1	1986		2.291833	
4	3	19	80.4	1115	1983	3.439386	
5	1	19	51.0			4.135307	
6	1	19	97.3			4.826189	
7	2	19	81.8	1430		5.123728	
8	2	19	56.1	1751		6.207056	1
9	3	19	74.4	1119	1174	6.994775	
10	2	19	58.2	1097		7.389210	
11	2	19	79.4	1146		8.100121	
12	2	19	58.3	1789		8.855422	
13	3	19	90.7	1713	1731	9.506547	
14	2	19	73.2	1684		10.098843	
15	2	19	66.8	1553		10.989219	
16	2	19	93.2	1299		11.530590	

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	5500.0	9	1.0	333	1	5454.0, 5513.0, 5465.0, 5380.0, 5288.0, 5721.0, 5300.0, 5315.0, 5528.0, 5480.0, 5569.0, 5505.0, 5643.0, 5675.0, 5347.0, 5500.0, 5419.0, 5472.0, 5642.0, 5451.0, 5375.0, 5432.0, 5299.0, 5278.0, 5485.0, 5378.0, 5366.0, 5687.0, 5508.0, 5556.0, 5527.0, 5702.0, 5374.0, 5355.0, 5322.0, 5416.0, 5404.0, 5655.0, 5612.0, 5597.0, 5579.0, 5626.0, 5407.0, 5705.0, 5520.0, 5498.0, 5413.0, 5403.0, 5387.0, 5630.0, 5305.0, 5414.0, 5379.0, 5356.0, 5593.0, 5540.0, 5491.0, 5684.0, 5563.0, 5671.0, 5492.0, 5256.0, 5549.0, 5628.0, 5589.0, 5506.0, 5599.0, 5306.0, 5614.0, 5282.0, 5706.0, 5385.0, 5295.0, 5560.0, 5346.0, 5453.0, 5686.0, 5565.0, 5590.0, 5688.0, 5269.0, 5707.0, 5555.0, 5388.0, 5678.0, 5275.0, 5372.0, 5341.0, 5677.0, 5490.0, 5578.0, 5682.0, 5312.0, 5586.0, 5348.0, 5620.0, 5576.0, 5423.0, 5272.0, 5328.0 (number of hits: 7)
2	5500.0	9	1.0	333	1	5650.0, 5356.0, 5389.0, 5555.0, 5285.0, 5344.0, 5446.0, 5444.0, 5466.0, 5656.0, 5290.0, 5541.0, 5688.0, 5594.0, 5585.0, 5670.0, 5660.0, 5453.0, 5269.0, 5361.0, 5488.0, 5343.0, 5414.0, 5448.0, 5634.0, 5487.0, 5716.0, 5601.0, 5358.0, 5607.0, 5415.0, 5324.0, 5704.0, 5637.0, 5438.0, 5328.0, 5686.0, 5598.0, 5286.0, 5421.0, 5406.0, 5318.0, 5341.0, 5294.0, 5479.0, 5516.0, 5553.0, 5508.0, 5427.0, 5310.0, 5420.0, 5579.0, 5372.0, 5387.0, 5667.0, 5276.0, 5552.0, 5558.0, 5266.0, 5250.0, 5417.0, 5482.0, 5404.0, 5450.0, 5472.0, 5467.0, 5380.0, 5698.0, 5373.0, 5506.0, 5695.0, 5375.0, 5465.0, 5262.0, 5546.0, 5474.0, 5580.0, 5510.0, 5538.0, 5329.0, 5306.0, 5490.0, 5591.0, 5481.0, 5301.0, 5507.0, 5297.0, 5714.0, 5288.0, 5363.0, 5331.0, 5436.0, 5257.0, 5526.0, 5334.0, 5511.0, 5330.0, 5674.0, 5316.0, 5293.0 (number of hits: 3)
3	5500.0	9	1.0	333	1	5670.0, 5586.0, 5295.0, 5637.0, 5694.0, 5559.0, 5575.0, 5604.0, 5513.0, 5263.0, 5634.0, 5614.0, 5620.0, 5503.0, 5510.0, 5669.0, 5522.0, 5266.0, 5463.0, 5520.0, 5673.0, 5280.0, 5679.0, 5343.0, 5648.0, 5502.0, 5294.0, 5486.0, 5386.0, 5429.0, 5692.0, 5585.0, 5308.0, 5283.0, 5435.0, 5340.0, 5332.0, 5718.0, 5711.0, 5609.0, 5439.0, 5253.0, 5579.0, 5589.0, 5269.0, 5539.0, 5468.0, 5677.0, 5287.0, 5484.0, 5676.0, 5516.0, 5479.0, 5717.0, 5583.0, 5455.0, 5275.0, 5309.0, 5501.0, 5426.0, 5642.0, 5506.0, 5681.0, 5584.0, 5371.0, 5490.0, 5600.0, 5282.0, 5538.0, 5457.0, 5574.0, 5432.0, 5528.0, 5594.0, 5437.0, 5687.0, 5706.0, 5317.0, 5356.0, 5359.0, 5545.0, 5289.0, 5469.0, 5654.0, 5431.0, 5722.0, 5383.0, 5601.0, 5668.0, 5542.0, 5278.0, 5264.0, 5492.0, 5422.0, 5285.0, 5412.0, 5635.0, 5701.0, 5689.0, 5705.0 (number of hits: 5)
4	5500.0	9	1.0	333	1	5429.0, 5473.0, 5502.0, 5349.0, 5255.0, 5662.0, 5323.0, 5589.0, 5525.0, 5378.0, 5265.0, 5360.0, 5636.0, 5634.0, 5722.0, 5359.0, 5300.0, 5690.0, 5575.0, 5650.0, 5267.0, 5695.0, 5583.0, 5602.0, 5285.0, 5254.0, 5720.0, 5317.0, 5708.0, 5563.0, 5251.0, 5266.0, 5597.0, 5494.0, 5334.0, 5550.0, 5337.0, 5599.0, 5584.0, 5628.0, 5655.0, 5402.0, 5275.0, 5347.0, 5389.0, 5384.0, 5499.0, 5472.0, 5469.0, 5475.0, 5452.0, 5455.0, 5707.0, 5699.0, 5656.0, 5289.0, 5430.0, 5519.0, 5566.0, 5321.0, 5350.0, 5433.0, 5310.0, 5333.0, 5567.0, 5490.0, 5508.0, 5620.0, 5459.0, 5410.0, 5479.0, 5311.0, 5406.0, 5713.0, 5495.0, 5328.0, 5439.0, 5427.0, 5441.0, 5683.0, 5382.0, 5598.0, 5282.0, 5422.0, 5336.0, 5668.0, 5533.0, 5308.0, 5609.0, 5447.0, 5458.0, 5312.0, 5465.0, 5432.0, 5257.0, 5449.0, 5444.0, 5610.0, 5424.0, 5586.0 (number of hits: 5)
5	5500.0	9	1.0	333	1	5316.0, 5282.0, 5680.0, 5358.0, 5376.0, 5263.0, 5381.0, 5253.0, 5517.0, 5470.0, 5667.0, 5519.0, 5614.0, 5452.0, 5295.0, 5599.0, 5387.0, 5702.0, 5618.0, 5413.0, 5711.0, 5569.0, 5553.0, 5557.0, 5598.0, 5343.0, 5529.0, 5314.0, 5523.0, 5556.0, 5455.0, 5612.0,

						5607.0, 5461.0, 5595.0, 5615.0, 5699.0, 5401.0, 5477.0, 5262.0, 5320.0, 5697.0, 5284.0, 5723.0, 5379.0, 5393.0, 5275.0, 5645.0, 5628.0, 5417.0, 5306.0, 5625.0, 5346.0, 5532.0, 5724.0, 5572.0, 5585.0, 5300.0, 5402.0, 5713.0, 5448.0, 5698.0, 5543.0, 5676.0, 5634.0, 5663.0, 5475.0, 5717.0, 5509.0, 5403.0, 5409.0, 5534.0, 5666.0, 5303.0, 5355.0, 5605.0, 5259.0, 5682.0, 5357.0, 5431.0, 5591.0, 5479.0, 5656.0, 5496.0, 5481.0, 5305.0, 5290.0, 5687.0, 5555.0, 5281.0, 5261.0, 5549.0, 5545.0, 5671.0, 5685.0, 5264.0, 5374.0, 5644.0, 5512.0, 5621.0 (number of hits: 1)
6	5500.0	9	1.0	333	1	5326.0, 5657.0, 5461.0, 5477.0, 5490.0, 5413.0, 5647.0, 5449.0, 5458.0, 5323.0, 5502.0, 5250.0, 5376.0, 5294.0, 5574.0, 5274.0, 5394.0, 5262.0, 5393.0, 5692.0, 5445.0, 5510.0, 5633.0, 5626.0, 5545.0, 5651.0, 5592.0, 5324.0, 5336.0, 5279.0, 5659.0, 5473.0, 5434.0, 5253.0, 5320.0, 5708.0, 5452.0, 5690.0, 5299.0, 5642.0, 5388.0, 5540.0, 5484.0, 5500.0, 5395.0, 5609.0, 5700.0, 5619.0, 5401.0, 5341.0, 5565.0, 5566.0, 5416.0, 5457.0, 5465.0, 5300.0, 5369.0, 5276.0, 5364.0, 5677.0, 5618.0, 5464.0, 5305.0, 5663.0, 5284.0, 5358.0, 5332.0, 5646.0, 5681.0, 5408.0, 5693.0, 5600.0, 5590.0, 5363.0, 5359.0, 5656.0, 5448.0, 5514.0, 5485.0, 5306.0, 5389.0, 5415.0, 5503.0, 5713.0, 5418.0, 5544.0, 5638.0, 5588.0, 5628.0, 5367.0, 5519.0, 5624.0, 5604.0, 5271.0, 5440.0, 5622.0, 5701.0, 5436.0, 5384.0, 5614.0 (number of hits: 3)
7	5500.0	9	1.0	333	1	5329.0, 5524.0, 5579.0, 5680.0, 5252.0, 5472.0, 5302.0, 5691.0, 5470.0, 5378.0, 5694.0, 5435.0, 5311.0, 5571.0, 5520.0, 5577.0, 5341.0, 5721.0, 5319.0, 5411.0, 5261.0, 5547.0, 5503.0, 5583.0, 5582.0, 5719.0, 5683.0, 5498.0, 5483.0, 5450.0, 5622.0, 5325.0, 5328.0, 5631.0, 5452.0, 5678.0, 5404.0, 5564.0, 5463.0, 5481.0, 5644.0, 5256.0, 5558.0, 5700.0, 5284.0, 5453.0, 5489.0, 5669.0, 5661.0, 5626.0, 5714.0, 5504.0, 5713.0, 5616.0, 5613.0, 5594.0, 5543.0, 5414.0, 5663.0, 5595.0, 5346.0, 5409.0, 5705.0, 5377.0, 5593.0, 5273.0, 5286.0, 5407.0, 5650.0, 5612.0, 5304.0, 5589.0, 5681.0, 5445.0, 5545.0, 5560.0, 5526.0, 5492.0, 5662.0, 5458.0, 5693.0, 5355.0, 5395.0, 5614.0, 5446.0, 5287.0, 5702.0, 5525.0, 5624.0, 5689.0, 5563.0, 5516.0, 5356.0, 5704.0, 5270.0, 5371.0, 5508.0, 5358.0, 5465.0, 5335.0 (number of hits: 5)
8	5500.0	9	1.0	333	1	5437.0, 5575.0, 5279.0, 5405.0, 5716.0, 5539.0, 5571.0, 5530.0, 5696.0, 5456.0, 5305.0, 5632.0, 5587.0, 5413.0, 5411.0, 5377.0, 5306.0, 5564.0, 5401.0, 5396.0, 5520.0, 5307.0, 5609.0, 5681.0, 5421.0, 5450.0, 5608.0, 5415.0, 5511.0, 5502.0, 5644.0, 5532.0, 5352.0, 5585.0, 5717.0, 5651.0, 5301.0, 5275.0, 5645.0, 5388.0, 5345.0, 5485.0, 5378.0, 5631.0, 5284.0, 5546.0, 5459.0, 5343.0, 5395.0, 5602.0, 5426.0, 5500.0, 5253.0, 5259.0, 5453.0, 5668.0, 5625.0, 5514.0, 5425.0, 5683.0, 5260.0, 5723.0, 5361.0, 5708.0, 5417.0, 5385.0, 5718.0, 5510.0, 5597.0, 5386.0, 5440.0, 5357.0, 5338.0, 5656.0, 5288.0, 5488.0, 5513.0, 5444.0, 5490.0, 5521.0, 5448.0, 5398.0, 5393.0, 5484.0, 5635.0, 5699.0, 5451.0, 5489.0, 5325.0, 5496.0, 5406.0, 5293.0, 5351.0, 5454.0, 5326.0, 5391.0, 5572.0, 5422.0, 5629.0, 5669.0 (number of hits: 3)
9	5500.0	9	1.0	333	1	5260.0, 5462.0, 5352.0, 5624.0, 5299.0, 5690.0, 5270.0, 5359.0, 5446.0, 5585.0, 5310.0, 5630.0, 5506.0, 5626.0, 5430.0, 5368.0, 5345.0, 5565.0, 5510.0, 5355.0, 5274.0, 5603.0, 5483.0, 5631.0, 5289.0, 5386.0, 5373.0, 5406.0, 5532.0, 5514.0, 5396.0, 5415.0, 5576.0, 5551.0, 5344.0, 5617.0, 5663.0, 5290.0, 5364.0, 5489.0, 5527.0, 5586.0, 5469.0, 5698.0, 5697.0, 5353.0, 5252.0, 5418.0, 5432.0, 5614.0, 5693.0, 5504.0, 5691.0, 5311.0, 5322.0, 5314.0, 5461.0, 5397.0, 5564.0, 5492.0, 5724.0, 5553.0, 5590.0, 5676.0, 5438.0, 5543.0, 5654.0, 5363.0, 5662.0, 5275.0, 5517.0, 5439.0, 5688.0, 5712.0, 5525.0, 5669.0, 5578.0, 5457.0, 5437.0, 5650.0, 5416.0, 5482.0, 5327.0, 5452.0, 5389.0, 5354.0, 5308.0, 5339.0, 5607.0, 5621.0, 5604.0, 5623.0, 5419.0, 5377.0, 5548.0, 5531.0, 5562.0, 5474.0, 5554.0, 5284.0 (number of hits: 3)
10	5500.0	9	1.0	333	1	5471.0, 5390.0, 5578.0, 5637.0, 5576.0, 5464.0, 5314.0, 5509.0,

						5479.0, 5600.0, 5588.0, 5553.0, 5498.0, 5428.0, 5702.0, 5698.0, 5328.0, 5703.0, 5294.0, 5398.0, 5405.0, 5417.0, 5683.0, 5529.0, 5484.0, 5711.0, 5527.0, 5452.0, 5488.0, 5646.0, 5414.0, 5403.0, 5586.0, 5303.0, 5616.0, 5668.0, 5393.0, 5654.0, 5269.0, 5493.0, 5615.0, 5573.0, 5307.0, 5685.0, 5449.0, 5396.0, 5457.0, 5650.0, 5631.0, 5717.0, 5542.0, 5548.0, 5442.0, 5706.0, 5300.0, 5454.0, 5451.0, 5429.0, 5318.0, 5338.0, 5506.0, 5568.0, 5603.0, 5359.0, 5565.0, 5351.0, 5496.0, 5539.0, 5273.0, 5492.0, 5339.0, 5281.0, 5422.0, 5383.0, 5612.0, 5341.0, 5411.0, 5354.0, 5374.0, 5424.0, 5520.0, 5434.0, 5696.0, 5518.0, 5572.0, 5664.0, 5688.0, 5592.0, 5357.0, 5278.0, 5387.0, 5459.0, 5673.0, 5665.0, 5329.0, 5371.0, 5407.0, 5298.0, 5584.0, 5567.0 (number of hits: 5)
11	5500.0	9	1.0	333	1	5261.0, 5587.0, 5495.0, 5641.0, 5583.0, 5481.0, 5699.0, 5349.0, 5634.0, 5542.0, 5360.0, 5367.0, 5301.0, 5443.0, 5589.0, 5662.0, 5576.0, 5390.0, 5704.0, 5626.0, 5464.0, 5435.0, 5656.0, 5332.0, 5357.0, 5579.0, 5568.0, 5554.0, 5279.0, 5694.0, 5649.0, 5633.0, 5270.0, 5378.0, 5717.0, 5472.0, 5305.0, 5364.0, 5457.0, 5640.0, 5500.0, 5255.0, 5515.0, 5697.0, 5710.0, 5408.0, 5291.0, 5572.0, 5574.0, 5713.0, 5492.0, 5483.0, 5582.0, 5596.0, 5513.0, 5668.0, 5427.0, 5555.0, 5539.0, 5505.0, 5280.0, 5655.0, 5277.0, 5402.0, 5646.0, 5497.0, 5321.0, 5411.0, 5263.0, 5380.0, 5371.0, 5310.0, 5520.0, 5437.0, 5677.0, 5296.0, 5518.0, 5410.0, 5253.0, 5394.0, 5383.0, 5288.0, 5571.0, 5387.0, 5343.0, 5358.0, 5345.0, 5359.0, 5450.0, 5335.0, 5265.0, 5405.0, 5645.0, 5724.0, 5487.0, 5315.0, 5642.0, 5691.0, 5672.0, 5278.0 (number of hits: 5)
12	5500.0	9	1.0	333	1	5449.0, 5427.0, 5696.0, 5467.0, 5463.0, 5558.0, 5624.0, 5629.0, 5405.0, 5475.0, 5385.0, 5276.0, 5690.0, 5581.0, 5597.0, 5498.0, 5510.0, 5574.0, 5649.0, 5252.0, 5684.0, 5298.0, 5494.0, 5488.0, 5366.0, 5430.0, 5582.0, 5327.0, 5390.0, 5491.0, 5679.0, 5490.0, 5615.0, 5286.0, 5698.0, 5559.0, 5451.0, 5656.0, 5652.0, 5278.0, 5360.0, 5599.0, 5688.0, 5633.0, 5303.0, 5617.0, 5515.0, 5711.0, 5486.0, 5611.0, 5296.0, 5255.0, 5422.0, 5403.0, 5564.0, 5267.0, 5312.0, 5419.0, 5534.0, 5431.0, 5440.0, 5536.0, 5540.0, 5621.0, 5608.0, 5348.0, 5373.0, 5374.0, 5602.0, 5263.0, 5472.0, 5323.0, 5522.0, 5409.0, 5605.0, 5369.0, 5441.0, 5670.0, 5552.0, 5350.0, 5526.0, 5380.0, 5512.0, 5372.0, 5271.0, 5480.0, 5315.0, 5476.0, 5435.0, 5456.0, 5382.0, 5673.0, 5406.0, 5719.0, 5663.0, 5718.0, 5714.0, 5557.0, 5667.0, 5685.0 (number of hits: 3)
13	5500.0	9	1.0	333	1	5681.0, 5433.0, 5687.0, 5553.0, 5587.0, 5689.0, 5385.0, 5338.0, 5412.0, 5583.0, 5251.0, 5502.0, 5648.0, 5703.0, 5289.0, 5460.0, 5402.0, 5360.0, 5471.0, 5370.0, 5380.0, 5615.0, 5411.0, 5717.0, 5601.0, 5457.0, 5369.0, 5482.0, 5477.0, 5503.0, 5371.0, 5342.0, 5403.0, 5718.0, 5300.0, 5575.0, 5576.0, 5381.0, 5262.0, 5638.0, 5340.0, 5390.0, 5332.0, 5641.0, 5488.0, 5438.0, 5663.0, 5475.0, 5692.0, 5530.0, 5352.0, 5279.0, 5651.0, 5297.0, 5444.0, 5548.0, 5700.0, 5722.0, 5667.0, 5306.0, 5534.0, 5654.0, 5462.0, 5274.0, 5481.0, 5631.0, 5356.0, 5597.0, 5704.0, 5532.0, 5611.0, 5455.0, 5679.0, 5658.0, 5292.0, 5588.0, 5344.0, 5655.0, 5520.0, 5598.0, 5285.0, 5551.0, 5350.0, 5288.0, 5528.0, 5252.0, 5579.0, 5335.0, 5546.0, 5709.0, 5296.0, 5250.0, 5512.0, 5684.0, 5539.0, 5313.0, 5626.0, 5256.0, 5569.0, 5653.0 (number of hits: 2)
14	5500.0	9	1.0	333	1	5536.0, 5668.0, 5550.0, 5620.0, 5513.0, 5336.0, 5518.0, 5720.0, 5657.0, 5393.0, 5535.0, 5292.0, 5715.0, 5483.0, 5279.0, 5410.0, 5564.0, 5253.0, 5590.0, 5379.0, 5635.0, 5444.0, 5487.0, 5367.0, 5447.0, 5417.0, 5676.0, 5337.0, 5348.0, 5612.0, 5309.0, 5304.0, 5490.0, 5493.0, 5601.0, 5511.0, 5422.0, 5687.0, 5713.0, 5603.0, 5466.0, 5313.0, 5662.0, 5595.0, 5570.0, 5679.0, 5655.0, 5477.0, 5597.0, 5647.0, 5453.0, 5324.0, 5664.0, 5276.0, 5488.0, 5366.0, 5555.0, 5370.0, 5315.0, 5319.0, 5598.0, 5320.0, 5388.0, 5512.0, 5256.0, 5609.0, 5645.0, 5551.0, 5694.0, 5543.0, 5381.0, 5510.0, 5357.0, 5705.0, 5480.0, 5274.0, 5382.0, 5529.0, 5573.0, 5549.0, 5283.0, 5307.0, 5409.0, 5580.0, 5478.0, 5621.0, 5686.0, 5684.0,

						5390.0, 5458.0, 5351.0, 5514.0, 5434.0, 5408.0, 5267.0, 5314.0, 5264.0, 5285.0, 5352.0, 5389.0 (number of hits: 1)
15	5500.0	9	1.0	333	1	5491.0, 5274.0, 5569.0, 5544.0, 5641.0, 5250.0, 5715.0, 5360.0, 5398.0, 5280.0, 5262.0, 5256.0, 5425.0, 5532.0, 5652.0, 5689.0, 5650.0, 5293.0, 5598.0, 5366.0, 5583.0, 5330.0, 5281.0, 5358.0, 5681.0, 5574.0, 5336.0, 5355.0, 5712.0, 5456.0, 5629.0, 5371.0, 5489.0, 5322.0, 5644.0, 5564.0, 5509.0, 5409.0, 5578.0, 5289.0, 5610.0, 5708.0, 5403.0, 5345.0, 5592.0, 5704.0, 5265.0, 5448.0, 5498.0, 5266.0, 5317.0, 5423.0, 5723.0, 5541.0, 5510.0, 5251.0, 5519.0, 5643.0, 5305.0, 5717.0, 5506.0, 5416.0, 5318.0, 5370.0, 5485.0, 5316.0, 5570.0, 5577.0, 5396.0, 5388.0, 5465.0, 5675.0, 5260.0, 5380.0, 5713.0, 5261.0, 5341.0, 5617.0, 5461.0, 5557.0, 5505.0, 5351.0, 5411.0, 5384.0, 5474.0, 5391.0, 5346.0, 5682.0, 5484.0, 5304.0, 5466.0, 5457.0, 5585.0, 5511.0, 5395.0, 5724.0, 5596.0, 5635.0, 5608.0, 5662.0 (number of hits: 4)
16	5500.0	9	1.0	333	1	5376.0, 5319.0, 5723.0, 5399.0, 5303.0, 5532.0, 5370.0, 5309.0, 5507.0, 5320.0, 5329.0, 5570.0, 5621.0, 5258.0, 5582.0, 5710.0, 5375.0, 5338.0, 5630.0, 5341.0, 5533.0, 5534.0, 5653.0, 5486.0, 5359.0, 5435.0, 5459.0, 5413.0, 5474.0, 5608.0, 5505.0, 5308.0, 5513.0, 5695.0, 5501.0, 5663.0, 5575.0, 5504.0, 5476.0, 5569.0, 5527.0, 5365.0, 5677.0, 5332.0, 5535.0, 5587.0, 5576.0, 5652.0, 5706.0, 5269.0, 5378.0, 5354.0, 5543.0, 5624.0, 5620.0, 5654.0, 5705.0, 5657.0, 5510.0, 5278.0, 5439.0, 5310.0, 5279.0, 5481.0, 5664.0, 5650.0, 5392.0, 5545.0, 5633.0, 5379.0, 5434.0, 5522.0, 5637.0, 5467.0, 5588.0, 5475.0, 5684.0, 5400.0, 5389.0, 5358.0, 5577.0, 5312.0, 5302.0, 5446.0, 5581.0, 5683.0, 5609.0, 5502.0, 5512.0, 5518.0, 5295.0, 5349.0, 5493.0, 5260.0, 5590.0, 5605.0, 5321.0, 5619.0, 5414.0, 5437.0 (number of hits: 6)
17	5500.0	9	1.0	333	1	5358.0, 5576.0, 5686.0, 5602.0, 5551.0, 5413.0, 5540.0, 5535.0, 5544.0, 5484.0, 5338.0, 5555.0, 5632.0, 5354.0, 5622.0, 5277.0, 5360.0, 5336.0, 5294.0, 5433.0, 5284.0, 5271.0, 5528.0, 5312.0, 5305.0, 5442.0, 5451.0, 5568.0, 5507.0, 5688.0, 5381.0, 5254.0, 5468.0, 5320.0, 5486.0, 5491.0, 5445.0, 5502.0, 5664.0, 5587.0, 5283.0, 5508.0, 5256.0, 5387.0, 5428.0, 5472.0, 5716.0, 5645.0, 5637.0, 5398.0, 5250.0, 5276.0, 5617.0, 5412.0, 5455.0, 5272.0, 5707.0, 5530.0, 5559.0, 5343.0, 5712.0, 5552.0, 5600.0, 5604.0, 5405.0, 5404.0, 5498.0, 5655.0, 5673.0, 5446.0, 5307.0, 5423.0, 5457.0, 5379.0, 5477.0, 5542.0, 5293.0, 5386.0, 5607.0, 5616.0, 5391.0, 5599.0, 5514.0, 5372.0, 5672.0, 5410.0, 5392.0, 5408.0, 5400.0, 5281.0, 5709.0, 5368.0, 5661.0, 5724.0, 5482.0, 5653.0, 5340.0, 5426.0, 5492.0, 5304.0 (number of hits: 6)
18	5500.0	9	1.0	333	1	5522.0, 5711.0, 5286.0, 5370.0, 5632.0, 5328.0, 5580.0, 5683.0, 5403.0, 5276.0, 5371.0, 5260.0, 5492.0, 5664.0, 5675.0, 5422.0, 5586.0, 5417.0, 5535.0, 5608.0, 5707.0, 5710.0, 5667.0, 5468.0, 5546.0, 5342.0, 5529.0, 5302.0, 5278.0, 5320.0, 5454.0, 5695.0, 5270.0, 5438.0, 5392.0, 5493.0, 5435.0, 5410.0, 5495.0, 5414.0, 5268.0, 5565.0, 5336.0, 5385.0, 5638.0, 5610.0, 5439.0, 5540.0, 5670.0, 5451.0, 5633.0, 5573.0, 5509.0, 5634.0, 5543.0, 5256.0, 5521.0, 5391.0, 5261.0, 5285.0, 5672.0, 5662.0, 5407.0, 5446.0, 5331.0, 5677.0, 5387.0, 5539.0, 5375.0, 5351.0, 5263.0, 5591.0, 5678.0, 5271.0, 5483.0, 5587.0, 5681.0, 5692.0, 5564.0, 5471.0, 5423.0, 5307.0, 5624.0, 5647.0, 5569.0, 5549.0, 5545.0, 5443.0, 5570.0, 5262.0, 5406.0, 5497.0, 5686.0, 5552.0, 5615.0, 5412.0, 5252.0, 5349.0, 5612.0, 5551.0 (number of hits: 4)
19	5500.0	9	1.0	333	1	5668.0, 5503.0, 5382.0, 5659.0, 5635.0, 5649.0, 5258.0, 5359.0, 5670.0, 5551.0, 5556.0, 5682.0, 5296.0, 5261.0, 5714.0, 5554.0, 5581.0, 5290.0, 5644.0, 5316.0, 5262.0, 5483.0, 5323.0, 5723.0, 5688.0, 5368.0, 5418.0, 5517.0, 5396.0, 5618.0, 5454.0, 5350.0, 5270.0, 5308.0, 5622.0, 5326.0, 5694.0, 5711.0, 5504.0, 5295.0, 5676.0, 5303.0, 5628.0, 5492.0, 5255.0, 5564.0, 5528.0, 5557.0, 5487.0, 5657.0, 5285.0, 5493.0, 5541.0, 5673.0, 5598.0, 5651.0, 5352.0, 5568.0, 5443.0, 5422.0, 5613.0, 5260.0, 5612.0, 5275.0,

						5405.0, 5250.0, 5639.0, 5569.0, 5544.0, 5268.0, 5367.0, 5338.0, 5424.0, 5417.0, 5441.0, 5647.0, 5715.0, 5621.0, 5589.0, 5324.0, 5457.0, 5571.0, 5573.0, 5468.0, 5408.0, 5642.0, 5411.0, 5412.0, 5605.0, 5650.0, 5440.0, 5680.0, 5654.0, 5353.0, 5595.0, 5393.0, 5579.0, 5330.0, 5444.0, 5580.0 (number of hits: 4)
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21	5500.0	9	1.0	333	1	5694.0, 5540.0, 5250.0, 5388.0, 5576.0, 5700.0, 5483.0, 5434.0, 5573.0, 5544.0, 5288.0, 5354.0, 5655.0, 5500.0, 5299.0, 5547.0, 5300.0, 5510.0, 5339.0, 5652.0, 5701.0, 5319.0, 5351.0, 5683.0, 5587.0, 5341.0, 5612.0, 5423.0, 5306.0, 5326.0, 5407.0, 5639.0, 5685.0, 5381.0, 5565.0, 5595.0, 5343.0, 5479.0, 5475.0, 5391.0, 5697.0, 5719.0, 5581.0, 5721.0, 5537.0, 5428.0, 5292.0, 5278.0, 5584.0, 5330.0, 5715.0, 5397.0, 5501.0, 5545.0, 5447.0, 5450.0, 5509.0, 5714.0, 5645.0, 5674.0, 5609.0, 5307.0, 5525.0, 5535.0, 5303.0, 5285.0, 5444.0, 5267.0, 5638.0, 5690.0, 5366.0, 5462.0, 5469.0, 5294.0, 5259.0, 5317.0, 5296.0, 5579.0, 5506.0, 5528.0, 5702.0, 5350.0, 5542.0, 5359.0, 5521.0, 5409.0, 5642.0, 5657.0, 5474.0, 5552.0, 5274.0, 5619.0, 5538.0, 5424.0, 5591.0, 5654.0, 5383.0, 5503.0, 5313.0, 5254.0 (number of hits: 4)
22	5500.0	9	1.0	333	1	5587.0, 5376.0, 5641.0, 5440.0, 5368.0, 5553.0, 5424.0, 5297.0, 5579.0, 5718.0, 5646.0, 5344.0, 5439.0, 5494.0, 5662.0, 5476.0, 5356.0, 5382.0, 5568.0, 5627.0, 5304.0, 5426.0, 5566.0, 5379.0, 5309.0, 5703.0, 5550.0, 5602.0, 5347.0, 5445.0, 5291.0, 5449.0, 5598.0, 5419.0, 5444.0, 5644.0, 5643.0, 5691.0, 5576.0, 5561.0, 5369.0, 5681.0, 5551.0, 5288.0, 5582.0, 5638.0, 5495.0, 5509.0, 5455.0, 5481.0, 5390.0, 5609.0, 5358.0, 5538.0, 5366.0, 5701.0, 5659.0, 5411.0, 5639.0, 5265.0, 5322.0, 5559.0, 5365.0, 5463.0, 5423.0, 5479.0, 5682.0, 5557.0, 5621.0, 5394.0, 5563.0, 5328.0, 5485.0, 5666.0, 5461.0, 5690.0, 5497.0, 5284.0, 5342.0, 5651.0, 5693.0, 5716.0, 5562.0, 5412.0, 5404.0, 5320.0, 5578.0, 5280.0, 5723.0, 5335.0, 5408.0, 5537.0, 5517.0, 5605.0, 5617.0, 5714.0, 5307.0, 5407.0, 5293.0, 5624.0 (number of hits: 3)
23	5500.0	9	1.0	333	1	5304.0, 5576.0, 5708.0, 5463.0, 5628.0, 5680.0, 5554.0, 5350.0, 5281.0, 5661.0, 5504.0, 5618.0, 5318.0, 5402.0, 5397.0, 5328.0, 5273.0, 5296.0, 5491.0, 5539.0, 5698.0, 5634.0, 5610.0, 5314.0, 5466.0, 5544.0, 5379.0, 5568.0, 5484.0, 5613.0, 5358.0, 5395.0, 5507.0, 5380.0, 5569.0, 5565.0, 5487.0, 5414.0, 5373.0, 5359.0, 5388.0, 5687.0, 5635.0, 5259.0, 5679.0, 5369.0, 5303.0, 5460.0, 5417.0, 5561.0, 5681.0, 5404.0, 5716.0, 5677.0, 5564.0, 5714.0, 5376.0, 5556.0, 5570.0, 5427.0, 5662.0, 5658.0, 5584.0, 5607.0, 5592.0, 5603.0, 5627.0, 5693.0, 5345.0, 5488.0, 5701.0, 5457.0, 5453.0, 5319.0, 5665.0, 5650.0, 5636.0, 5435.0, 5405.0, 5341.0, 5719.0, 5493.0, 5541.0, 5694.0, 5534.0, 5499.0, 5450.0, 5699.0, 5309.0, 5666.0, 5312.0, 5271.0, 5340.0, 5548.0, 5574.0, 5642.0, 5583.0, 5385.0, 5349.0, 5285.0 (number of hits: 5)
24	5500.0	9	1.0	333	1	5499.0, 5697.0, 5642.0, 5557.0, 5625.0, 5438.0, 5459.0, 5583.0, 5682.0, 5703.0, 5556.0, 5494.0, 5643.0, 5348.0, 5272.0, 5260.0, 5674.0, 5288.0, 5410.0, 5306.0, 5507.0, 5452.0, 5526.0, 5601.0, 5585.0, 5350.0, 5393.0, 5692.0, 5537.0, 5341.0, 5578.0, 5345.0, 5442.0, 5605.0, 5685.0, 5343.0, 5429.0, 5577.0, 5647.0, 5273.0,

						5723.0, 5427.0, 5535.0, 5652.0, 5664.0, 5603.0, 5434.0, 5394.0, 5699.0, 5330.0, 5717.0, 5320.0, 5571.0, 5270.0, 5404.0, 5359.0, 5533.0, 5392.0, 5721.0, 5477.0, 5344.0, 5614.0, 5274.0, 5632.0, 5584.0, 5455.0, 5631.0, 5305.0, 5395.0, 5331.0, 5566.0, 5665.0, 5576.0, 5702.0, 5693.0, 5450.0, 5636.0, 5711.0, 5384.0, 5678.0, 5377.0, 5357.0, 5398.0, 5567.0, 5396.0, 5302.0, 5722.0, 5473.0, 5401.0, 5430.0, 5538.0, 5284.0, 5559.0, 5706.0, 5336.0, 5544.0, 5387.0, 5714.0, 5408.0, 5653.0 (number of hits: 3)
25	5500.0	9	1.0	333	1	5425.0, 5435.0, 5464.0, 5350.0, 5516.0, 5688.0, 5392.0, 5709.0, 5691.0, 5678.0, 5649.0, 5652.0, 5343.0, 5638.0, 5558.0, 5603.0, 5591.0, 5311.0, 5643.0, 5610.0, 5712.0, 5295.0, 5380.0, 5296.0, 5388.0, 5487.0, 5307.0, 5630.0, 5546.0, 5281.0, 5389.0, 5576.0, 5607.0, 5305.0, 5563.0, 5347.0, 5360.0, 5497.0, 5261.0, 5284.0, 5330.0, 5656.0, 5667.0, 5449.0, 5693.0, 5680.0, 5612.0, 5511.0, 5346.0, 5324.0, 5609.0, 5270.0, 5513.0, 5423.0, 5480.0, 5413.0, 5368.0, 5622.0, 5418.0, 5713.0, 5592.0, 5287.0, 5282.0, 5642.0, 5250.0, 5401.0, 5407.0, 5633.0, 5298.0, 5707.0, 5475.0, 5549.0, 5362.0, 5719.0, 5545.0, 5353.0, 5457.0, 5674.0, 5528.0, 5303.0, 5508.0, 5340.0, 5716.0, 5505.0, 5339.0, 5575.0, 5535.0, 5322.0, 5554.0, 5312.0, 5567.0, 5501.0, 5280.0, 5377.0, 5708.0, 5662.0, 5570.0, 5529.0, 5671.0, 5562.0 (number of hits: 4)
26	5500.0	9	1.0	333	1	5424.0, 5496.0, 5611.0, 5414.0, 5427.0, 5310.0, 5358.0, 5603.0, 5559.0, 5474.0, 5593.0, 5631.0, 5581.0, 5568.0, 5493.0, 5378.0, 5692.0, 5555.0, 5353.0, 5549.0, 5385.0, 5556.0, 5521.0, 5369.0, 5516.0, 5648.0, 5497.0, 5600.0, 5601.0, 5492.0, 5622.0, 5646.0, 5615.0, 5570.0, 5416.0, 5712.0, 5288.0, 5584.0, 5574.0, 5388.0, 5677.0, 5420.0, 5322.0, 5463.0, 5461.0, 5286.0, 5487.0, 5498.0, 5456.0, 5591.0, 5341.0, 5630.0, 5426.0, 5520.0, 5675.0, 5386.0, 5438.0, 5293.0, 5668.0, 5387.0, 5531.0, 5676.0, 5657.0, 5363.0, 5696.0, 5616.0, 5507.0, 5642.0, 5305.0, 5580.0, 5321.0, 5325.0, 5468.0, 5575.0, 5263.0, 5499.0, 5566.0, 5500.0, 5267.0, 5525.0, 5389.0, 5477.0, 5504.0, 5586.0, 5536.0, 5711.0, 5366.0, 5319.0, 5309.0, 5422.0, 5674.0, 5469.0, 5440.0, 5715.0, 5443.0, 5311.0, 5298.0, 5610.0, 5666.0, 5576.0 (number of hits: 9)
27	5500.0	9	1.0	333	1	5511.0, 5591.0, 5502.0, 5722.0, 5261.0, 5552.0, 5693.0, 5377.0, 5559.0, 5285.0, 5343.0, 5476.0, 5517.0, 5447.0, 5687.0, 5506.0, 5481.0, 5643.0, 5403.0, 5597.0, 5640.0, 5450.0, 5645.0, 5718.0, 5501.0, 5438.0, 5636.0, 5510.0, 5713.0, 5308.0, 5656.0, 5425.0, 5595.0, 5437.0, 5277.0, 5480.0, 5606.0, 5671.0, 5455.0, 5570.0, 5668.0, 5290.0, 5646.0, 5456.0, 5400.0, 5325.0, 5644.0, 5360.0, 5642.0, 5352.0, 5345.0, 5641.0, 5430.0, 5465.0, 5634.0, 5435.0, 5603.0, 5350.0, 5270.0, 5697.0, 5565.0, 5336.0, 5458.0, 5626.0, 5692.0, 5596.0, 5654.0, 5408.0, 5572.0, 5535.0, 5368.0, 5562.0, 5322.0, 5522.0, 5392.0, 5394.0, 5378.0, 5347.0, 5294.0, 5677.0, 5315.0, 5346.0, 5624.0, 5258.0, 5398.0, 5683.0, 5690.0, 5542.0, 5386.0, 5479.0, 5585.0, 5269.0, 5541.0, 5311.0, 5628.0, 5376.0, 5662.0, 5464.0, 5705.0, 5384.0 (number of hits: 3)
28	5500.0	9	1.0	333	1	5274.0, 5451.0, 5333.0, 5458.0, 5719.0, 5652.0, 5585.0, 5490.0, 5344.0, 5528.0, 5328.0, 5548.0, 5566.0, 5706.0, 5277.0, 5630.0, 5551.0, 5561.0, 5364.0, 5427.0, 5671.0, 5424.0, 5582.0, 5299.0, 5500.0, 5261.0, 5599.0, 5578.0, 5426.0, 5253.0, 5415.0, 5477.0, 5398.0, 5360.0, 5593.0, 5295.0, 5391.0, 5540.0, 5704.0, 5439.0, 5612.0, 5554.0, 5641.0, 5392.0, 5445.0, 5617.0, 5536.0, 5563.0, 5518.0, 5376.0, 5346.0, 5607.0, 5256.0, 5608.0, 5687.0, 5379.0, 5508.0, 5502.0, 5620.0, 5260.0, 5639.0, 5541.0, 5644.0, 5600.0, 5479.0, 5368.0, 5519.0, 5481.0, 5409.0, 5367.0, 5337.0, 5650.0, 5312.0, 5678.0, 5606.0, 5514.0, 5450.0, 5418.0, 5504.0, 5568.0, 5672.0, 5486.0, 5498.0, 5455.0, 5289.0, 5437.0, 5480.0, 5384.0, 5509.0, 5383.0, 5483.0, 5342.0, 5262.0, 5276.0, 5651.0, 5558.0, 5340.0, 5403.0, 5640.0, 5697.0 (number of hits: 5)
29	5500.0	9	1.0	333	1	5316.0, 5676.0, 5299.0, 5697.0, 5487.0, 5534.0, 5722.0, 5395.0, 5557.0, 5427.0, 5685.0, 5447.0, 5454.0, 5466.0, 5364.0, 5724.0,

						5683.0, 5331.0, 5691.0, 5402.0, 5401.0, 5527.0, 5624.0, 5694.0, 5690.0, 5713.0, 5573.0, 5327.0, 5502.0, 5590.0, 5386.0, 5258.0, 5535.0, 5615.0, 5269.0, 5424.0, 5273.0, 5431.0, 5298.0, 5387.0, 5626.0, 5300.0, 5405.0, 5385.0, 5501.0, 5337.0, 5652.0, 5296.0, 5576.0, 5396.0, 5372.0, 5556.0, 5650.0, 5284.0, 5434.0, 5260.0, 5643.0, 5696.0, 5301.0, 5347.0, 5581.0, 5339.0, 5282.0, 5266.0, 5620.0, 5450.0, 5341.0, 5644.0, 5476.0, 5550.0, 5582.0, 5324.0, 5721.0, 5496.0, 5640.0, 5363.0, 5274.0, 5514.0, 5720.0, 5326.0, 5482.0, 5338.0, 5491.0, 5600.0, 5634.0, 5368.0, 5488.0, 5409.0, 5570.0, 5435.0, 5321.0, 5504.0, 5390.0, 5594.0, 5394.0, 5718.0, 5366.0, 5506.0, 5539.0, 5436.0 (number of hits: 6)
30	5500.0	9	1.0	333	1	5657.0, 5255.0, 5480.0, 5596.0, 5550.0, 5421.0, 5282.0, 5633.0, 5554.0, 5559.0, 5587.0, 5474.0, 5357.0, 5310.0, 5530.0, 5373.0, 5341.0, 5617.0, 5313.0, 5278.0, 5533.0, 5494.0, 5482.0, 5292.0, 5594.0, 5528.0, 5427.0, 5293.0, 5622.0, 5508.0, 5420.0, 5676.0, 5714.0, 5593.0, 5690.0, 5263.0, 5661.0, 5481.0, 5330.0, 5487.0, 5466.0, 5491.0, 5469.0, 5669.0, 5256.0, 5465.0, 5680.0, 5565.0, 5429.0, 5435.0, 5711.0, 5623.0, 5262.0, 5548.0, 5369.0, 5276.0, 5430.0, 5367.0, 5685.0, 5601.0, 5674.0, 5488.0, 5713.0, 5447.0, 5484.0, 5320.0, 5513.0, 5681.0, 5570.0, 5605.0, 5721.0, 5718.0, 5382.0, 5542.0, 5590.0, 5335.0, 5569.0, 5434.0, 5695.0, 5684.0, 5644.0, 5372.0, 5485.0, 5647.0, 5627.0, 5543.0, 5697.0, 5326.0, 5342.0, 5359.0, 5412.0, 5291.0, 5390.0, 5702.0, 5536.0, 5258.0, 5630.0, 5700.0, 5505.0, 5446.0 (number of hits: 4)

P2P Mode
Pine Radio

5510 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	83.3 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	89.1 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	72	1.0	738	1
2	57	1.0	938	1
3	92	1.0	578	1
4	81	1.0	658	1
5	68	1.0	778	1
6	99	1.0	538	1
7	70	1.0	758	1
8	61	1.0	878	0
9	102	1.0	518	1
10	63	1.0	838	1
11	89	1.0	598	1
12	65	1.0	818	1
13	67	1.0	798	1
14	83	1.0	638	1
15	62	1.0	858	1
16	48	1.0	1103	1
17	19	1.0	2812	1
18	43	1.0	1255	1
19	26	1.0	2111	1
20	28	1.0	1952	1
21	20	1.0	2709	1
22	40	1.0	1328	0
23	26	1.0	2058	1
24	19	1.0	2858	1
25	24	1.0	2232	1
26	40	1.0	1348	1
27	95	1.0	560	1
28	30	1.0	1795	1
29	20	1.0	2685	1
30	19	1.0	2789	1
Detection Percentage: 93.3 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	27	1.5	205	1
2	24	3.8	206	1
3	29	1.6	169	1
4	29	1.8	172	1
5	28	1.2	198	0
6	29	1.1	189	1
7	26	4.5	215	1
8	25	3.8	167	1
9	26	4.7	208	1
10	23	3.1	172	1
11	25	3.7	207	1
12	27	3.7	150	1
13	26	2.7	157	1
14	24	2.4	230	1
15	25	1.5	179	1
16	24	2.7	225	1
17	29	1.3	201	1
18	23	3.6	188	0
19	25	2.4	161	1
20	26	2.7	219	0
21	24	2.8	205	1
22	24	2.2	161	1
23	24	4.0	206	0
24	29	2.3	169	1
25	24	4.2	218	1
26	24	3.3	223	0
27	23	4.9	184	1
28	29	3.6	217	1
29	27	2.6	223	1
30	23	4.8	194	1
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	8.0	437	1
2	16	8.5	358	1
3	17	7.8	447	1
4	16	9.6	451	1
5	16	6.4	479	1
6	18	9.0	405	1
7	16	8.9	271	1
8	17	9.5	399	1
9	18	9.3	385	1
10	17	9.1	228	1
11	16	8.9	458	1
12	16	9.2	341	1
13	17	7.0	278	1
14	18	6.0	424	1
15	17	7.5	470	0
16	16	9.1	386	0
17	16	9.4	431	1
18	17	10.0	202	0
19	16	8.5	428	1
20	18	9.6	432	1
21	16	9.5	442	1
22	16	8.8	437	1
23	17	7.5	269	1
24	17	9.5	404	1
25	18	8.0	320	1
26	16	6.0	282	1
27	18	8.7	465	1
28	18	8.8	247	1
29	17	6.9	237	1
30	18	7.3	226	1
Detection Percentage: 90 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	14.6	295	1
2	14	15.3	463	1
3	15	16.0	224	1
4	16	17.1	474	1
5	13	18.1	265	1
6	12	13.0	312	1
7	14	13.3	450	1
8	15	14.5	367	0
9	15	12.7	431	1
10	14	15.9	496	1
11	16	14.2	241	1
12	14	15.1	274	1
13	15	20.0	301	1
14	14	11.0	224	1
15	12	14.1	254	1
16	13	16.1	242	1
17	15	15.0	275	1
18	14	16.7	317	1
19	16	17.3	232	1
20	15	13.8	338	1
21	12	15.3	283	1
22	13	19.3	264	0
23	14	16.8	222	1
24	13	15.3	493	1
25	15	13.1	425	1
26	13	17.6	289	1
27	12	14.6	234	0
28	16	17.8	475	1
29	12	14.9	218	1
30	13	17.6	428	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	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5498.8	1
12	5495.2	1
13	5499.6	1
14	5499.2	1
15	5495.6	1
16	5499.6	1
17	5498.0	1
18	5496.8	1
19	5498.0	1
20	5495.6	1
21	5524.4	1
22	5523.2	1
23	5523.6	1
24	5523.2	1
25	5525.2	1
26	5524.0	1
27	5524.4	1
28	5524.8	1
29	5524.8	1
30	5524.0	1
Detection Percentage: 100 % (>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	58.0	1550	1513	0.538339	1
1	1	9	85.7			1.272422	
2	3	9	62.2	1327	1866	1.957500	
3	2	9	61.3	1807		2.476508	
4	3	9	61.9	1565	1646	3.112879	
5	2	9	87.3	1552		3.629002	
6	1	9	81.3			4.314988	
7	1	9	61.0			4.836588	
8	2	9	78.7	1022		5.570101	
9	1	9	92.7			6.596617	
10	2	9	50.8	1772		7.095984	
11	3	9	100.0	1795	1537	7.927772	
12	2	9	87.7	1421		8.605054	
13	1	9	88.5			8.952251	
14	2	9	61.1	1378		9.912974	
15	3	9	63.1	1645	1344	10.558827	
16	2	9	54.2	1244		10.987363	
17	1	9	71.3			11.357404	

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	5	95.1	1319		0.367166	1
1	2	5	51.6	1138		0.792702	
2	2	5	51.9	1111		1.728436	
3	1	5	89.2			2.703013	
4	1	5	57.8			3.091474	
5	3	5	79.7	1295	1803	3.752850	
6	1	5	82.8			4.692195	
7	2	5	53.5	1615		5.316972	
8	3	5	68.5	1819	1441	6.525094	
9	1	5	78.8			6.878278	
10	1	5	99.5			8.238512	
11	2	5	96.0	1276		8.558603	
12	1	5	69.6			9.617567	
13	1	5	71.9			10.237871	
14	2	5	62.2	1385		10.538233	
15	1	5	99.0			11.714378	

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	80.7	1512	1216	0.167200	
1	1	11	72.3			1.572901	
2	2	11	68.2	1095		2.218499	
3	2	11	87.7	1535		3.015362	
4	2	11	50.8	1821		3.969904	
5	3	11	85.1	1507	1865	4.444416	
6	3	11	52.2	1861	1217	5.008467	
7	2	11	69.5	1622		5.669736	1
8	3	11	99.3	1691	1086	6.670071	
9	3	11	84.5	1176	1080	7.219276	
10	3	11	66.0	1768	1283	8.733863	
11	2	11	73.6	1930		9.106629	
12	1	11	96.4			10.139912	
13	3	11	63.8	1440	1697	10.585603	
14	2	11	87.5	1911		11.736897	

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	8	57.5	1141		0.395266	
1	3	8	56.9	1507	1348	0.837769	
2	1	8	77.5			1.876331	
3	1	8	52.4			2.061540	
4	2	8	88.7	1582		3.083797	
5	3	8	57.5	1733	1344	3.335286	
6	1	8	85.0			3.917275	
7	1	8	53.3			4.632521	
8	2	8	68.8	1207		5.166670	
9	2	8	81.1	1363		6.096943	1
10	3	8	64.6	1577	1775	6.782607	
11	2	8	74.1	1579		7.237322	
12	2	8	59.4	1208		7.911051	
13	2	8	94.7	1340		8.754283	
14	3	8	90.5	1519	1344	9.430515	
15	1	8	53.4			9.913941	
16	2	8	60.4	1336		10.494243	
17	2	8	78.3	1887		11.034782	
18	3	8	78.8	1799	1751	11.495889	

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	8	89.0	1857		0.650346	
1	3	8	83.0	1360	1027	2.166387	
2	1	8	67.7			3.237624	
3	1	8	77.4			4.168725	
4	3	8	92.0	1157	1817	5.792747	
5	2	8	60.3	1464		7.083553	1
6	1	8	74.7			7.873143	
7	2	8	56.5	1796		8.878977	
8	2	8	91.5	1013		9.713191	
9	2	8	82.0	1643		11.539143	

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	76.0	1596		0.139969	
1	2	15	57.7	1691		0.747151	
2	2	15	90.9	1998		1.382828	
3	2	15	79.4	1922		2.334121	
4	2	15	58.4	1537		3.076703	
5	2	15	93.6	1598		3.497548	
6	3	15	83.3	1358	1237	4.002106	
7	1	15	98.8			4.700605	
8	2	15	75.2	1899		5.159953	
9	2	15	61.1	1650		5.871001	1
10	2	15	80.8	1207		6.336362	
11	1	15	99.6			7.293333	
12	1	15	94.5			8.202470	
13	2	15	88.2	1624		8.449982	
14	2	15	84.6	1150		9.433987	
15	2	15	52.9	1785		9.727927	
16	2	15	84.1	1587		10.544698	
17	2	15	71.9	1838		10.944436	
18	2	15	98.4	1894		11.752772	

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	6	99.6	1414		0.115606	
1	2	6	96.0	1534		1.228667	
2	1	6	95.9			2.135925	
3	2	6	88.3	1505		2.710446	
4	2	6	62.7	1834		3.792846	
5	3	6	69.5	1305	1433	4.198392	
6	2	6	54.1	1035		5.131408	
7	3	6	81.6	1806	1669	5.773550	1
8	1	6	54.8			6.621320	
9	1	6	63.3			7.247819	
10	3	6	64.4	1571	1596	8.245177	
11	1	6	73.4			8.927960	
12	2	6	84.7	1145		10.193475	
13	1	6	89.1			10.446215	
14	2	6	98.4	1419		11.705121	

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	3	9	85.0	1336	1139	0.314609	
1	2	9	71.6	1546		0.797761	
2	3	9	96.3	1835	1482	1.581959	
3	2	9	52.3	1165		2.729544	
4	1	9	84.8			2.876373	
5	3	9	82.3	1296	1192	3.901670	
6	1	9	85.6			4.410311	
7	3	9	83.2	1561	1421	5.471631	
8	1	9	77.3			5.885599	1
9	2	9	72.2	1482		6.891405	
10	2	9	92.7	1944		7.670349	
11	2	9	95.9	1271		8.286692	
12	3	9	67.3	1747	1515	8.991336	
13	3	9	63.2	1122	1879	9.456718	
14	2	9	97.8	1163		10.048302	
15	2	9	99.4	1230		10.726415	
16	2	9	79.4	1583		11.534388	

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	81.3			0.479262	1
1	2	8	81.4	1225		1.587225	
2	3	8	66.5	1683	1150	2.185446	
3	2	8	96.2	1307		3.372598	
4	2	8	66.7	1712		4.567326	
5	2	8	54.1	1181		5.903303	
6	3	8	62.6	1610	1515	6.768722	
7	2	8	77.7	1317		7.537181	
8	2	8	95.4	1612		8.570742	
9	3	8	62.6	1785	1162	9.175763	
10	2	8	53.3	1436		10.140828	
11	2	8	52.3	1156		11.195056	

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	13	90.7	1839		0.961489	1
1	2	13	75.5	1318		1.473498	
2	1	13	98.6			2.742840	
3	2	13	56.2	1526		4.245840	
4	2	13	69.3	1934		5.385143	
5	2	13	88.6	1305		7.060071	
6	3	13	85.1	1338	1613	8.337705	
7	2	13	60.3	1644		8.783014	
8	2	13	59.1	1174		9.676465	
9	1	13	97.8			11.720984	

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	17	80.7	1719		0.383314	
1	2	17	86.3	1439		1.175990	
2	2	17	54.6	1385		1.423858	
3	1	17	59.3			2.422602	
4	1	17	83.5			2.733544	
5	2	17	78.4	1042		3.968529	
6	1	17	59.8			4.113798	
7	1	17	93.9			5.239654	
8	1	17	86.4			5.947327	
9	1	17	97.1			6.243108	1
10	2	17	50.3	1478		6.949091	
11	2	17	83.8	1111		7.799899	
12	3	17	85.7	1217	1730	8.115332	
13	2	17	69.5	1417		8.736555	
14	1	17	62.7			9.392252	
15	3	17	94.3	1247	1797	10.515604	
16	3	17	63.9	1680	1906	11.113811	
17	3	17	52.8	1964	1497	11.704500	

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	8	83.8	1892		0.568407	
1	2	8	83.1	1112		1.212844	
2	2	8	80.4	1195		2.238843	
3	2	8	88.3	1190		3.627030	
4	2	8	66.3	1671		4.785631	
5	3	8	59.9	1585	1414	5.564416	1
6	1	8	62.2			6.920592	
7	1	8	90.6			8.393445	
8	1	8	95.1			9.726311	
9	2	8	95.7	1562		10.715539	
10	3	8	59.2	1758	1672	11.454680	

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	19	54.9	1909		0.186518	1
1	2	19	64.5	1275		1.045527	
2	2	19	87.9	1290		1.294192	
3	2	19	68.6	1589		1.850443	
4	2	19	55.7	1796		2.663903	
5	2	19	86.9	1253		3.233378	
6	3	19	59.5	1249	1829	3.805949	
7	2	19	81.6	1874		4.587139	
8	2	19	62.8	1401		4.912131	
9	3	19	90.5	1618	1612	5.738159	
10	1	19	77.6			6.433603	
11	2	19	80.7	1123		6.804857	
12	3	19	81.8	1350	1835	7.681397	
13	2	19	80.9	1270		8.261056	
14	2	19	70.4	1111		8.589403	
15	1	19	62.0			9.549393	
16	2	19	69.9	1677		9.922511	
17	3	19	57.6	1818	1504	10.423142	
18	2	19	58.8	1942		11.101243	
19	3	19	88.1	1439	1570	11.837225	

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	18	58.5			0.141848	1
1	2	18	85.9	1991		2.043910	
2	1	18	61.8			3.542880	
3	2	18	77.1	1744		4.080909	
4	3	18	96.9	1460	1528	5.637845	
5	3	18	60.4	1114	1057	6.006131	
6	1	18	76.9			7.737792	
7	2	18	96.4	1003		8.869530	
8	2	18	93.1	1541		9.608374	
9	2	18	94.1	1955		11.768358	

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	9	79.8	1379	1200	0.785693	1
1	2	9	63.2	1020		1.784544	
2	1	9	81.9			2.305697	
3	2	9	97.1	1749		3.245244	
4	3	9	64.5	1466	1631	4.288531	
5	1	9	80.4			5.811459	
6	2	9	91.0	1479		6.844005	
7	3	9	54.8	1895	1039	7.211546	
8	2	9	74.2	1162		8.833004	
9	3	9	56.3	1412	1782	9.159309	
10	1	9	77.1			10.845466	
11	2	9	51.9	1570		11.663111	

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	19	98.7			1.318412	1
1	2	19	67.5	1308		2.580258	
2	3	19	71.8	1022	1828	3.193624	
3	3	19	75.9	1767	1409	5.278336	
4	1	19	76.7			6.558043	
5	3	19	68.8	1442	1678	7.700881	
6	2	19	69.5	1981		9.107339	
7	3	19	61.1	1459	1270	9.363196	
8	1	19	85.3			11.065375	

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	15	60.7	1379	1028	0.679587	
1	3	15	76.5	1743	1591	1.738986	
2	1	15	85.9			3.456229	
3	2	15	96.2	1694		4.863335	
4	2	15	66.4	1711		5.434970	1
5	2	15	57.4	1643		7.070012	
6	1	15	77.8			8.527055	
7	2	15	98.7	1361		10.461227	
8	2	15	88.4	1032		10.755899	

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	12	59.9			0.793808	
1	1	12	76.6			1.640959	
2	2	12	63.0	1377		2.115694	
3	1	12	51.8			2.929956	
4	1	12	55.4			3.849378	
5	1	12	76.9			4.751519	
6	2	12	84.9	1751		5.341126	
7	1	12	70.8			6.279218	1
8	3	12	93.7	1902	1315	7.320218	
9	2	12	63.8	1848		8.308282	
10	2	12	83.1	1104		9.272614	
11	2	12	76.8	1511		9.702285	
12	2	12	80.4	1116		10.828421	
13	2	12	95.5	1913		11.448962	

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	15	60.5	1333		0.703089	
1	2	15	82.1	1564		0.844014	
2	3	15	58.7	1595	1332	2.392926	
3	3	15	97.4	1909	1263	2.939227	
4	1	15	92.5			3.637944	
5	2	15	61.1	1369		4.082425	
6	3	15	68.5	1427	1025	5.193185	
7	2	15	54.0	1034		5.867199	1
8	1	15	89.1			6.996545	
9	2	15	59.9	1706		7.323571	
10	2	15	52.1	1658		8.342619	
11	1	15	98.5			8.872758	
12	1	15	81.8			9.798473	
13	2	15	69.0	1386		11.171782	
14	1	15	92.2			11.899076	

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	9	97.3	1190	1103	0.199338	
1	1	9	53.5			0.851927	
2	1	9	70.8			2.043602	
3	2	9	68.2	1999		2.989366	
4	2	9	97.6	1390		3.714928	
5	2	9	67.8	1472		4.439985	
6	1	9	89.2			5.219846	
7	3	9	51.6	1126	1095	5.803612	
8	2	9	87.6	1662		6.696748	1
9	3	9	74.5	1668	1590	7.018751	
10	2	9	78.8	1255		7.575346	
11	3	9	86.1	1459	1539	8.753920	
12	1	9	93.8			9.475753	
13	3	9	86.1	1812	1207	10.017253	
14	2	9	56.1	1082		11.021407	
15	2	9	62.8	1040		11.940213	

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	3	9	83.9	1262	1779	0.584083	
1	1	9	65.6			1.229366	
2	2	9	94.9	1804		1.696024	
3	1	9	52.2			2.603461	
4	2	9	60.8	1827		3.082894	
5	2	9	88.3	1194		3.373169	
6	3	9	71.9	1469	1659	4.285999	
7	2	9	90.4	1871		4.717913	
8	3	9	76.6	1406	1285	5.593856	
9	3	9	63.0	1371	1656	6.620099	1
10	2	9	51.4	1783		7.306350	
11	1	9	78.1			7.428452	
12	1	9	73.0			8.290590	
13	1	9	65.1			8.985465	
14	2	9	56.3	1764		9.909261	
15	3	9	90.7	1445	1150	10.390176	
16	3	9	85.0	1404	1759	11.077354	
17	1	9	84.1			11.344535	

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	12	97.4	1618		0.147300	
1	2	12	75.4	1535		1.142449	
2	2	12	76.2	1945		2.307315	
3	2	12	68.6	1679		3.164508	
4	1	12	76.5			3.407353	
5	1	12	83.5			4.282205	
6	2	12	77.2	1331		5.265735	
7	2	12	60.7	1623		5.820720	1
8	2	12	85.8	1630		6.577882	
9	2	12	62.6	1939		7.420070	
10	2	12	80.4	1208		8.259127	
11	2	12	68.0	1385		9.470080	
12	2	12	77.0	1355		10.236542	
13	2	12	78.0	1978		10.795365	
14	2	12	79.1	1109		11.394925	

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	11	75.2	1463		1.057987	
1	1	11	97.4			2.070687	
2	2	11	90.2	1244		2.745596	
3	3	11	67.0	1817	1804	3.535508	
4	2	11	96.9	1189		5.312442	
5	2	11	70.2	1714		5.708345	1
6	1	11	53.8			7.068575	
7	2	11	94.3	1222		7.988735	
8	3	11	65.1	1132	1074	8.748337	
9	1	11	68.3			9.881219	
10	1	11	95.0			10.928315	

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	12	55.0	1382		0.148013	
1	2	12	57.1	1887		0.815132	
2	2	12	69.9	1901		1.761763	
3	2	12	50.6	1156		2.459606	
4	2	12	52.4	1088		3.072084	
5	2	12	90.9	1098		3.605928	
6	2	12	51.7	1109		4.411886	
7	3	12	59.8	1766	1387	5.116772	
8	1	12	86.3			5.362332	
9	3	12	64.9	1468	1693	6.368624	1
10	3	12	92.9	1083	1234	7.129857	
11	1	12	53.9			7.985852	
12	2	12	77.4	1361		8.129072	
13	3	12	82.7	1957	1367	9.033285	
14	1	12	58.8			9.706876	
15	2	12	63.6	1392		10.323594	
16	2	12	90.5	1171		11.304035	
17	2	12	80.0	1675		11.988677	

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	7	92.9	1983		0.084697	1
1	1	7	75.6			2.051202	
2	2	7	51.6	1981		3.254088	
3	2	7	95.2	1841		4.068842	
4	2	7	66.7	1958		5.002098	
5	2	7	85.2	1203		6.991061	
6	3	7	95.3	1206	1233	7.643700	
7	2	7	84.6	1496		8.994173	
8	3	7	64.0	1251	1292	10.653515	
9	3	7	69.2	1256	1123	10.886550	

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	10	82.8			0.663838	1
1	2	10	59.5	1693		1.794134	
2	2	10	60.8	1455		3.542272	
3	1	10	72.3			3.994649	
4	2	10	51.4	1380		5.702130	
5	1	10	54.8			6.573410	
6	1	10	78.1			7.468223	
7	1	10	87.9			9.175932	
8	3	10	89.1	1184	1908	9.639124	
9	1	10	58.4			11.569342	

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	9	98.5	1906	1054	0.116679	1
1	3	9	94.9	1731	1915	0.848418	
2	1	9	53.9			1.848352	
3	2	9	55.1	1423		2.368240	
4	2	9	52.9	1069		2.997178	
5	3	9	83.6	1131	1647	3.645968	
6	2	9	55.1	1247		4.292464	
7	2	9	90.0	1257		4.495182	
8	2	9	83.5	1107		5.209897	
9	2	9	62.5	1050		6.233996	
10	3	9	58.9	1969	1579	6.910942	
11	2	9	84.8	1408		7.194317	
12	2	9	97.3	1818		8.037661	
13	2	9	71.7	1406		8.277250	
14	2	9	90.4	1999		8.865328	
15	2	9	80.7	1585		9.693471	
16	2	9	61.7	1974		10.298454	
17	2	9	68.1	1993		10.777694	
18	2	9	65.7	1063		11.702926	

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	81.8	1040	1964	0.077565	
1	2	8	50.3	1757		0.688891	
2	1	8	97.7			1.628732	
3	3	8	85.1	1333	1285	2.236754	
4	2	8	76.1	1775		3.134109	
5	2	8	60.1	1690		3.637480	
6	2	8	64.8	1754		4.106269	
7	1	8	85.6			4.519885	
8	2	8	59.7	1353		5.313471	
9	1	8	76.7			5.710902	1
10	1	8	51.9			6.378467	
11	2	8	60.9	1168		7.350093	
12	3	8	66.8	1423	1932	8.069988	
13	3	8	52.6	1198	1224	8.595630	
14	2	8	61.3	1498		8.842346	
15	3	8	92.1	1754	1385	9.901556	
16	3	8	65.1	1080	1448	10.658401	
17	2	8	62.4	1679		11.213500	
18	2	8	78.8	1824		11.607512	

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	8	60.8	1020	1818	0.284123	1
1	2	8	94.6	1861		0.969140	
2	2	8	82.7	1334		2.245284	
3	2	8	82.6	1009		2.408508	
4	2	8	50.5	1953		3.107307	
5	3	8	83.5	1001	1793	3.999184	
6	3	8	64.2	1207	1259	4.707086	
7	1	8	91.5			5.508335	
8	3	8	54.1	1677	1038	6.419851	
9	2	8	80.4	1215		6.832765	
10	2	8	53.8	1095		7.533690	
11	2	8	55.0	1698		8.451711	
12	1	8	90.7			9.173954	
13	2	8	84.3	1450		10.268264	
14	2	8	54.6	1127		10.889018	
15	3	8	90.9	1845	1193	11.823025	

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	10	66.7	1355		0.098526	
1	2	10	91.1	1071		0.935585	
2	1	10	88.8			1.511505	
3	2	10	94.6	1216		2.050402	
4	2	10	53.7	1661		2.670505	
5	2	10	55.4	1287		3.673835	
6	3	10	70.3	1118	1843	3.930026	
7	2	10	50.6	1301		4.882376	
8	2	10	95.3	1297		5.201668	
9	3	10	99.1	1438	1721	6.107089	1
10	2	10	95.5	1097		6.495572	
11	2	10	62.5	1598		7.490339	
12	3	10	78.0	1826	1545	7.715900	
13	2	10	84.7	1611		8.243568	
14	1	10	64.2			9.180670	
15	2	10	98.9	1937		9.990308	
16	1	10	67.9			10.189851	
17	3	10	74.5	1599	1157	11.103324	
18	2	10	69.8	1263		11.931199	

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	5510.0	9	1.0	333	1	5691.0, 5335.0, 5476.0, 5638.0, 5411.0, 5254.0, 5397.0, 5440.0, 5263.0, 5267.0, 5614.0, 5689.0, 5370.0, 5253.0, 5720.0, 5294.0, 5536.0, 5711.0, 5601.0, 5433.0, 5676.0, 5448.0, 5305.0, 5347.0, 5625.0, 5610.0, 5517.0, 5592.0, 5682.0, 5281.0, 5446.0, 5259.0, 5383.0, 5474.0, 5627.0, 5498.0, 5679.0, 5283.0, 5325.0, 5360.0, 5686.0, 5545.0, 5685.0, 5688.0, 5380.0, 5468.0, 5717.0, 5269.0, 5420.0, 5473.0, 5388.0, 5298.0, 5528.0, 5466.0, 5268.0, 5432.0, 5299.0, 5622.0, 5409.0, 5443.0, 5357.0, 5718.0, 5484.0, 5599.0, 5389.0, 5308.0, 5289.0, 5422.0, 5376.0, 5655.0, 5355.0, 5525.0, 5436.0, 5403.0, 5594.0, 5522.0, 5349.0, 5555.0, 5317.0, 5377.0, 5714.0, 5552.0, 5646.0, 5361.0, 5423.0, 5705.0, 5539.0, 5252.0, 5538.0, 5604.0, 5300.0, 5338.0, 5531.0, 5674.0, 5405.0, 5455.0, 5606.0, 5519.0, 5351.0, 5514.0 (number of hits: 6)
2	5510.0	9	1.0	333	1	5463.0, 5608.0, 5613.0, 5563.0, 5572.0, 5326.0, 5391.0, 5664.0, 5373.0, 5294.0, 5449.0, 5611.0, 5574.0, 5341.0, 5394.0, 5475.0, 5684.0, 5448.0, 5682.0, 5544.0, 5480.0, 5612.0, 5521.0, 5600.0, 5722.0, 5498.0, 5336.0, 5312.0, 5610.0, 5415.0, 5678.0, 5353.0, 5319.0, 5491.0, 5554.0, 5658.0, 5452.0, 5591.0, 5632.0, 5398.0, 5432.0, 5648.0, 5422.0, 5576.0, 5656.0, 5523.0, 5721.0, 5343.0, 5269.0, 5418.0, 5641.0, 5267.0, 5547.0, 5698.0, 5324.0, 5602.0, 5640.0, 5582.0, 5354.0, 5403.0, 5539.0, 5630.0, 5588.0, 5668.0, 5393.0, 5599.0, 5569.0, 5724.0, 5368.0, 5659.0, 5714.0, 5665.0, 5293.0, 5666.0, 5559.0, 5361.0, 5686.0, 5308.0, 5711.0, 5357.0, 5397.0, 5515.0, 5536.0, 5701.0, 5500.0, 5261.0, 5705.0, 5486.0, 5279.0, 5411.0, 5301.0, 5720.0, 5545.0, 5718.0, 5439.0, 5647.0, 5579.0, 5478.0, 5447.0, 5337.0 (number of hits: 5)
3	5510.0	9	1.0	333	1	5595.0, 5265.0, 5369.0, 5377.0, 5604.0, 5272.0, 5583.0, 5698.0, 5392.0, 5423.0, 5627.0, 5296.0, 5556.0, 5500.0, 5285.0, 5606.0, 5290.0, 5360.0, 5644.0, 5313.0, 5718.0, 5391.0, 5492.0, 5534.0, 5333.0, 5260.0, 5633.0, 5254.0, 5526.0, 5304.0, 5281.0, 5367.0, 5609.0, 5516.0, 5447.0, 5387.0, 5336.0, 5319.0, 5717.0, 5485.0, 5674.0, 5438.0, 5512.0, 5283.0, 5540.0, 5514.0, 5503.0, 5337.0, 5584.0, 5385.0, 5568.0, 5531.0, 5524.0, 5279.0, 5267.0, 5560.0, 5437.0, 5380.0, 5463.0, 5366.0, 5591.0, 5453.0, 5405.0, 5646.0, 5413.0, 5432.0, 5700.0, 5612.0, 5714.0, 5537.0, 5299.0, 5466.0, 5269.0, 5640.0, 5440.0, 5251.0, 5576.0, 5491.0, 5480.0, 5709.0, 5486.0, 5552.0, 5562.0, 5569.0, 5710.0, 5722.0, 5498.0, 5684.0, 5465.0, 5566.0, 5323.0, 5519.0, 5701.0, 5550.0, 5404.0, 5691.0, 5431.0, 5670.0, 5553.0, 5284.0 (number of hits: 10)
4	5510.0	9	1.0	333	1	5352.0, 5274.0, 5303.0, 5675.0, 5686.0, 5515.0, 5579.0, 5520.0, 5617.0, 5545.0, 5405.0, 5355.0, 5528.0, 5256.0, 5687.0, 5723.0, 5338.0, 5356.0, 5609.0, 5601.0, 5536.0, 5290.0, 5722.0, 5320.0, 5293.0, 5698.0, 5490.0, 5654.0, 5600.0, 5558.0, 5477.0, 5473.0, 5444.0, 5606.0, 5431.0, 5275.0, 5481.0, 5465.0, 5539.0, 5514.0, 5436.0, 5517.0, 5700.0, 5369.0, 5324.0, 5389.0, 5315.0, 5503.0, 5714.0, 5366.0, 5383.0, 5434.0, 5426.0, 5291.0, 5541.0, 5470.0, 5590.0, 5446.0, 5316.0, 5466.0, 5507.0, 5623.0, 5304.0, 5586.0, 5419.0, 5450.0, 5420.0, 5493.0, 5653.0, 5486.0, 5277.0, 5464.0, 5488.0, 5691.0, 5359.0, 5678.0, 5351.0, 5272.0, 5364.0, 5498.0, 5608.0, 5448.0, 5457.0, 5585.0, 5598.0, 5683.0, 5593.0, 5401.0, 5312.0, 5266.0, 5378.0, 5495.0, 5299.0, 5562.0, 5533.0, 5552.0, 5509.0, 5702.0, 5716.0, 5574.0 (number of hits: 10)
5	5510.0	9	1.0	333	1	5424.0, 5610.0, 5692.0, 5632.0, 5595.0, 5657.0, 5634.0, 5691.0, 5332.0, 5617.0, 5596.0, 5325.0, 5339.0, 5598.0, 5494.0, 5254.0, 5706.0, 5272.0, 5721.0, 5270.0, 5522.0, 5697.0, 5599.0, 5717.0, 5376.0, 5584.0, 5458.0, 5536.0, 5540.0, 5294.0, 5429.0, 5532.0,

						5639.0, 5523.0, 5489.0, 5579.0, 5501.0, 5574.0, 5415.0, 5481.0, 5265.0, 5396.0, 5577.0, 5586.0, 5264.0, 5408.0, 5541.0, 5628.0, 5531.0, 5499.0, 5652.0, 5399.0, 5566.0, 5259.0, 5710.0, 5350.0, 5724.0, 5578.0, 5594.0, 5397.0, 5437.0, 5520.0, 5625.0, 5317.0, 5473.0, 5288.0, 5257.0, 5406.0, 5619.0, 5280.0, 5544.0, 5546.0, 5302.0, 5348.0, 5662.0, 5504.0, 5518.0, 5524.0, 5367.0, 5486.0, 5569.0, 5368.0, 5464.0, 5495.0, 5405.0, 5392.0, 5387.0, 5722.0, 5705.0, 5664.0, 5417.0, 5669.0, 5444.0, 5448.0, 5435.0, 5597.0, 5468.0, 5528.0, 5573.0, 5384.0 (number of hits: 10)
6	5510.0	9	1.0	333	1	5594.0, 5315.0, 5563.0, 5260.0, 5297.0, 5569.0, 5457.0, 5626.0, 5266.0, 5362.0, 5344.0, 5508.0, 5278.0, 5581.0, 5416.0, 5562.0, 5341.0, 5515.0, 5535.0, 5601.0, 5701.0, 5629.0, 5408.0, 5618.0, 5302.0, 5379.0, 5283.0, 5467.0, 5523.0, 5573.0, 5659.0, 5570.0, 5409.0, 5536.0, 5384.0, 5459.0, 5585.0, 5620.0, 5394.0, 5330.0, 5360.0, 5650.0, 5434.0, 5322.0, 5695.0, 5321.0, 5377.0, 5516.0, 5481.0, 5420.0, 5599.0, 5272.0, 5634.0, 5378.0, 5627.0, 5421.0, 5331.0, 5285.0, 5608.0, 5465.0, 5514.0, 5616.0, 5682.0, 5307.0, 5415.0, 5668.0, 5595.0, 5640.0, 5663.0, 5306.0, 5388.0, 5350.0, 5357.0, 5652.0, 5293.0, 5548.0, 5604.0, 5367.0, 5375.0, 5485.0, 5574.0, 5477.0, 5646.0, 5264.0, 5657.0, 5631.0, 5261.0, 5349.0, 5698.0, 5715.0, 5577.0, 5550.0, 5691.0, 5686.0, 5572.0, 5339.0, 5554.0, 5471.0, 5298.0, 5271.0 (number of hits: 5)
7	5510.0	9	1.0	333	1	5282.0, 5258.0, 5703.0, 5407.0, 5590.0, 5532.0, 5281.0, 5562.0, 5294.0, 5618.0, 5467.0, 5352.0, 5628.0, 5560.0, 5514.0, 5684.0, 5653.0, 5423.0, 5642.0, 5486.0, 5402.0, 5717.0, 5394.0, 5255.0, 5678.0, 5573.0, 5527.0, 5315.0, 5651.0, 5286.0, 5327.0, 5504.0, 5529.0, 5304.0, 5655.0, 5623.0, 5708.0, 5723.0, 5580.0, 5387.0, 5719.0, 5644.0, 5430.0, 5328.0, 5579.0, 5385.0, 5478.0, 5464.0, 5409.0, 5353.0, 5288.0, 5453.0, 5598.0, 5295.0, 5259.0, 5677.0, 5265.0, 5646.0, 5535.0, 5344.0, 5596.0, 5503.0, 5433.0, 5502.0, 5455.0, 5257.0, 5268.0, 5581.0, 5482.0, 5564.0, 5381.0, 5364.0, 5404.0, 5500.0, 5622.0, 5291.0, 5459.0, 5577.0, 5601.0, 5609.0, 5536.0, 5261.0, 5570.0, 5431.0, 5462.0, 5711.0, 5358.0, 5664.0, 5683.0, 5426.0, 5692.0, 5370.0, 5626.0, 5278.0, 5540.0, 5443.0, 5416.0, 5488.0, 5640.0, 5340.0 (number of hits: 6)
8	5510.0	9	1.0	333	1	5354.0, 5601.0, 5561.0, 5363.0, 5497.0, 5700.0, 5438.0, 5264.0, 5458.0, 5346.0, 5553.0, 5568.0, 5558.0, 5489.0, 5577.0, 5556.0, 5415.0, 5401.0, 5616.0, 5599.0, 5262.0, 5307.0, 5600.0, 5344.0, 5529.0, 5462.0, 5258.0, 5290.0, 5545.0, 5469.0, 5654.0, 5631.0, 5554.0, 5602.0, 5544.0, 5328.0, 5430.0, 5648.0, 5571.0, 5429.0, 5608.0, 5507.0, 5278.0, 5522.0, 5617.0, 5667.0, 5657.0, 5279.0, 5313.0, 5271.0, 5662.0, 5640.0, 5511.0, 5466.0, 5672.0, 5506.0, 5671.0, 5380.0, 5702.0, 5367.0, 5515.0, 5294.0, 5668.0, 5334.0, 5586.0, 5385.0, 5260.0, 5349.0, 5305.0, 5651.0, 5656.0, 5393.0, 5339.0, 5597.0, 5494.0, 5696.0, 5436.0, 5311.0, 5459.0, 5440.0, 5364.0, 5433.0, 5298.0, 5453.0, 5528.0, 5615.0, 5488.0, 5391.0, 5620.0, 5309.0, 5614.0, 5319.0, 5419.0, 5476.0, 5357.0, 5360.0, 5663.0, 5689.0, 5578.0, 5692.0 (number of hits: 7)
9	5510.0	9	1.0	333	1	5553.0, 5376.0, 5711.0, 5453.0, 5516.0, 5562.0, 5544.0, 5707.0, 5596.0, 5327.0, 5263.0, 5504.0, 5624.0, 5438.0, 5409.0, 5394.0, 5488.0, 5272.0, 5360.0, 5706.0, 5275.0, 5350.0, 5672.0, 5258.0, 5657.0, 5637.0, 5447.0, 5621.0, 5318.0, 5650.0, 5540.0, 5528.0, 5442.0, 5255.0, 5301.0, 5408.0, 5287.0, 5487.0, 5461.0, 5403.0, 5548.0, 5495.0, 5422.0, 5622.0, 5714.0, 5628.0, 5513.0, 5607.0, 5441.0, 5259.0, 5386.0, 5618.0, 5310.0, 5617.0, 5704.0, 5588.0, 5715.0, 5482.0, 5462.0, 5593.0, 5457.0, 5665.0, 5303.0, 5336.0, 5614.0, 5292.0, 5676.0, 5662.0, 5439.0, 5699.0, 5608.0, 5375.0, 5678.0, 5464.0, 5395.0, 5547.0, 5434.0, 5592.0, 5400.0, 5612.0, 5341.0, 5353.0, 5660.0, 5522.0, 5506.0, 5654.0, 5281.0, 5465.0, 5270.0, 5339.0, 5519.0, 5655.0, 5402.0, 5387.0, 5433.0, 5526.0, 5559.0, 5455.0, 5674.0, 5641.0 (number of hits: 8)
10	5510.0	9	1.0	333	1	5463.0, 5553.0, 5585.0, 5638.0, 5671.0, 5433.0, 5452.0, 5631.0,

						5276.0, 5447.0, 5538.0, 5573.0, 5327.0, 5252.0, 5657.0, 5425.0, 5481.0, 5517.0, 5467.0, 5388.0, 5332.0, 5484.0, 5519.0, 5574.0, 5303.0, 5291.0, 5365.0, 5542.0, 5376.0, 5564.0, 5379.0, 5664.0, 5313.0, 5294.0, 5679.0, 5720.0, 5285.0, 5308.0, 5405.0, 5466.0, 5722.0, 5693.0, 5641.0, 5563.0, 5480.0, 5363.0, 5640.0, 5432.0, 5479.0, 5420.0, 5661.0, 5532.0, 5630.0, 5469.0, 5636.0, 5253.0, 5626.0, 5545.0, 5637.0, 5339.0, 5418.0, 5702.0, 5549.0, 5715.0, 5565.0, 5274.0, 5390.0, 5622.0, 5415.0, 5499.0, 5269.0, 5310.0, 5665.0, 5605.0, 5436.0, 5642.0, 5389.0, 5489.0, 5695.0, 5654.0, 5535.0, 5416.0, 5314.0, 5546.0, 5295.0, 5453.0, 5273.0, 5368.0, 5464.0, 5460.0, 5650.0, 5673.0, 5635.0, 5263.0, 5315.0, 5284.0, 5558.0, 5414.0, 5723.0, 5437.0 (number of hits: 3)
11	5510.0	9	1.0	333	1	5324.0, 5646.0, 5584.0, 5445.0, 5701.0, 5489.0, 5631.0, 5382.0, 5280.0, 5391.0, 5304.0, 5642.0, 5522.0, 5648.0, 5544.0, 5480.0, 5530.0, 5273.0, 5560.0, 5704.0, 5348.0, 5360.0, 5250.0, 5664.0, 5264.0, 5571.0, 5635.0, 5321.0, 5394.0, 5453.0, 5691.0, 5404.0, 5485.0, 5659.0, 5586.0, 5556.0, 5550.0, 5595.0, 5467.0, 5624.0, 5524.0, 5598.0, 5655.0, 5496.0, 5384.0, 5625.0, 5436.0, 5305.0, 5501.0, 5441.0, 5271.0, 5333.0, 5679.0, 5706.0, 5318.0, 5668.0, 5396.0, 5378.0, 5474.0, 5534.0, 5434.0, 5594.0, 5579.0, 5470.0, 5681.0, 5583.0, 5309.0, 5408.0, 5256.0, 5316.0, 5569.0, 5529.0, 5390.0, 5630.0, 5525.0, 5658.0, 5612.0, 5559.0, 5488.0, 5561.0, 5415.0, 5653.0, 5311.0, 5566.0, 5447.0, 5553.0, 5610.0, 5685.0, 5413.0, 5513.0, 5278.0, 5517.0, 5475.0, 5457.0, 5463.0, 5665.0, 5647.0, 5350.0, 5287.0, 5693.0 (number of hits: 7)
12	5510.0	9	1.0	333	1	5427.0, 5591.0, 5407.0, 5478.0, 5340.0, 5675.0, 5530.0, 5692.0, 5251.0, 5401.0, 5652.0, 5415.0, 5311.0, 5253.0, 5268.0, 5637.0, 5713.0, 5679.0, 5537.0, 5495.0, 5484.0, 5604.0, 5689.0, 5440.0, 5296.0, 5455.0, 5544.0, 5337.0, 5432.0, 5650.0, 5477.0, 5297.0, 5510.0, 5447.0, 5272.0, 5295.0, 5686.0, 5369.0, 5631.0, 5517.0, 5511.0, 5643.0, 5305.0, 5482.0, 5362.0, 5624.0, 5391.0, 5541.0, 5257.0, 5423.0, 5306.0, 5569.0, 5275.0, 5528.0, 5445.0, 5558.0, 5557.0, 5480.0, 5540.0, 5283.0, 5444.0, 5635.0, 5403.0, 5532.0, 5547.0, 5413.0, 5314.0, 5654.0, 5497.0, 5607.0, 5396.0, 5561.0, 5355.0, 5475.0, 5720.0, 5721.0, 5671.0, 5281.0, 5452.0, 5582.0, 5638.0, 5358.0, 5294.0, 5494.0, 5579.0, 5420.0, 5262.0, 5443.0, 5573.0, 5621.0, 5697.0, 5501.0, 5263.0, 5633.0, 5388.0, 5548.0, 5559.0, 5583.0, 5500.0, 5429.0 (number of hits: 8)
13	5510.0	9	1.0	333	1	5547.0, 5555.0, 5564.0, 5599.0, 5470.0, 5498.0, 5263.0, 5603.0, 5568.0, 5647.0, 5582.0, 5482.0, 5434.0, 5620.0, 5465.0, 5505.0, 5304.0, 5269.0, 5500.0, 5414.0, 5332.0, 5549.0, 5395.0, 5443.0, 5597.0, 5677.0, 5363.0, 5566.0, 5429.0, 5303.0, 5411.0, 5643.0, 5511.0, 5515.0, 5337.0, 5487.0, 5536.0, 5278.0, 5369.0, 5370.0, 5360.0, 5353.0, 5446.0, 5537.0, 5655.0, 5416.0, 5665.0, 5344.0, 5492.0, 5480.0, 5523.0, 5366.0, 5290.0, 5426.0, 5342.0, 5387.0, 5636.0, 5563.0, 5530.0, 5560.0, 5402.0, 5338.0, 5619.0, 5673.0, 5516.0, 5406.0, 5318.0, 5309.0, 5410.0, 5615.0, 5642.0, 5299.0, 5718.0, 5626.0, 5664.0, 5670.0, 5578.0, 5562.0, 5314.0, 5720.0, 5377.0, 5330.0, 5528.0, 5601.0, 5260.0, 5691.0, 5570.0, 5596.0, 5423.0, 5527.0, 5569.0, 5723.0, 5682.0, 5404.0, 5407.0, 5431.0, 5255.0, 5430.0, 5652.0, 5529.0 (number of hits: 9)
14	5510.0	9	1.0	333	1	5681.0, 5403.0, 5393.0, 5465.0, 5653.0, 5510.0, 5348.0, 5552.0, 5568.0, 5615.0, 5364.0, 5596.0, 5550.0, 5409.0, 5491.0, 5362.0, 5702.0, 5523.0, 5426.0, 5685.0, 5700.0, 5360.0, 5638.0, 5718.0, 5714.0, 5467.0, 5562.0, 5548.0, 5358.0, 5329.0, 5300.0, 5320.0, 5293.0, 5553.0, 5662.0, 5466.0, 5710.0, 5602.0, 5370.0, 5444.0, 5318.0, 5371.0, 5516.0, 5506.0, 5335.0, 5707.0, 5595.0, 5448.0, 5250.0, 5429.0, 5534.0, 5399.0, 5538.0, 5286.0, 5593.0, 5476.0, 5518.0, 5275.0, 5684.0, 5367.0, 5368.0, 5503.0, 5669.0, 5309.0, 5384.0, 5588.0, 5687.0, 5280.0, 5635.0, 5274.0, 5383.0, 5709.0, 5301.0, 5299.0, 5346.0, 5425.0, 5690.0, 5342.0, 5487.0, 5345.0, 5272.0, 5673.0, 5591.0, 5606.0, 5459.0, 5493.0, 5541.0, 5589.0,

						5450.0, 5547.0, 5340.0, 5269.0, 5332.0, 5665.0, 5724.0, 5719.0, 5695.0, 5612.0, 5643.0, 5427.0 (number of hits: 7)
15	5510.0	9	1.0	333	1	5391.0, 5546.0, 5272.0, 5718.0, 5463.0, 5477.0, 5293.0, 5708.0, 5481.0, 5551.0, 5269.0, 5404.0, 5310.0, 5468.0, 5398.0, 5570.0, 5383.0, 5689.0, 5704.0, 5623.0, 5316.0, 5709.0, 5723.0, 5461.0, 5252.0, 5344.0, 5607.0, 5395.0, 5273.0, 5439.0, 5515.0, 5558.0, 5688.0, 5487.0, 5275.0, 5505.0, 5715.0, 5476.0, 5647.0, 5577.0, 5365.0, 5627.0, 5263.0, 5363.0, 5407.0, 5321.0, 5712.0, 5371.0, 5268.0, 5653.0, 5285.0, 5423.0, 5659.0, 5474.0, 5291.0, 5327.0, 5426.0, 5557.0, 5534.0, 5592.0, 5579.0, 5510.0, 5630.0, 5445.0, 5651.0, 5669.0, 5488.0, 5535.0, 5519.0, 5440.0, 5541.0, 5329.0, 5480.0, 5698.0, 5307.0, 5409.0, 5555.0, 5454.0, 5527.0, 5665.0, 5455.0, 5589.0, 5419.0, 5279.0, 5276.0, 5394.0, 5526.0, 5368.0, 5433.0, 5531.0, 5587.0, 5637.0, 5508.0, 5615.0, 5436.0, 5255.0, 5289.0, 5387.0, 5603.0, 5478.0 (number of hits: 7)
16	5510.0	9	1.0	333	1	5715.0, 5674.0, 5707.0, 5359.0, 5564.0, 5601.0, 5573.0, 5312.0, 5492.0, 5416.0, 5306.0, 5435.0, 5342.0, 5704.0, 5679.0, 5358.0, 5641.0, 5487.0, 5518.0, 5651.0, 5273.0, 5399.0, 5363.0, 5411.0, 5314.0, 5666.0, 5527.0, 5590.0, 5427.0, 5394.0, 5272.0, 5624.0, 5657.0, 5291.0, 5443.0, 5453.0, 5520.0, 5400.0, 5290.0, 5253.0, 5718.0, 5511.0, 5336.0, 5257.0, 5562.0, 5304.0, 5697.0, 5454.0, 5319.0, 5438.0, 5381.0, 5626.0, 5633.0, 5386.0, 5561.0, 5620.0, 5544.0, 5444.0, 5555.0, 5396.0, 5517.0, 5420.0, 5595.0, 5612.0, 5698.0, 5302.0, 5458.0, 5495.0, 5576.0, 5547.0, 5575.0, 5502.0, 5678.0, 5295.0, 5638.0, 5493.0, 5403.0, 5423.0, 5588.0, 5611.0, 5479.0, 5500.0, 5450.0, 5553.0, 5357.0, 5603.0, 5471.0, 5570.0, 5659.0, 5372.0, 5689.0, 5349.0, 5334.0, 5496.0, 5254.0, 5667.0, 5422.0, 5309.0, 5604.0, 5395.0 (number of hits: 11)
17	5510.0	9	1.0	333	1	5399.0, 5278.0, 5434.0, 5620.0, 5545.0, 5536.0, 5686.0, 5437.0, 5441.0, 5296.0, 5302.0, 5662.0, 5634.0, 5708.0, 5523.0, 5308.0, 5707.0, 5292.0, 5518.0, 5618.0, 5459.0, 5396.0, 5342.0, 5511.0, 5590.0, 5477.0, 5674.0, 5505.0, 5684.0, 5440.0, 5328.0, 5567.0, 5294.0, 5343.0, 5551.0, 5464.0, 5376.0, 5528.0, 5326.0, 5460.0, 5273.0, 5387.0, 5507.0, 5550.0, 5487.0, 5290.0, 5281.0, 5722.0, 5282.0, 5454.0, 5309.0, 5344.0, 5462.0, 5608.0, 5605.0, 5385.0, 5566.0, 5537.0, 5360.0, 5609.0, 5697.0, 5580.0, 5293.0, 5447.0, 5448.0, 5351.0, 5540.0, 5368.0, 5626.0, 5631.0, 5559.0, 5664.0, 5403.0, 5522.0, 5252.0, 5521.0, 5632.0, 5384.0, 5371.0, 5577.0, 5563.0, 5414.0, 5444.0, 5610.0, 5587.0, 5557.0, 5470.0, 5515.0, 5602.0, 5614.0, 5306.0, 5524.0, 5541.0, 5366.0, 5546.0, 5456.0, 5335.0, 5652.0, 5509.0, 5300.0 (number of hits: 10)
18	5510.0	9	1.0	333	1	5330.0, 5649.0, 5419.0, 5449.0, 5583.0, 5341.0, 5281.0, 5288.0, 5310.0, 5378.0, 5277.0, 5487.0, 5620.0, 5650.0, 5338.0, 5664.0, 5577.0, 5663.0, 5478.0, 5481.0, 5714.0, 5275.0, 5586.0, 5379.0, 5266.0, 5600.0, 5562.0, 5318.0, 5542.0, 5405.0, 5626.0, 5625.0, 5398.0, 5489.0, 5424.0, 5693.0, 5688.0, 5608.0, 5635.0, 5446.0, 5513.0, 5590.0, 5713.0, 5537.0, 5291.0, 5486.0, 5273.0, 5250.0, 5643.0, 5464.0, 5422.0, 5344.0, 5633.0, 5602.0, 5697.0, 5325.0, 5572.0, 5721.0, 5369.0, 5258.0, 5483.0, 5653.0, 5443.0, 5265.0, 5674.0, 5529.0, 5438.0, 5639.0, 5675.0, 5421.0, 5352.0, 5400.0, 5690.0, 5283.0, 5391.0, 5466.0, 5584.0, 5440.0, 5497.0, 5255.0, 5576.0, 5504.0, 5298.0, 5326.0, 5703.0, 5308.0, 5580.0, 5564.0, 5636.0, 5274.0, 5670.0, 5427.0, 5321.0, 5468.0, 5368.0, 5477.0, 5689.0, 5582.0, 5428.0, 5417.0 (number of hits: 3)
19	5510.0	9	1.0	333	1	5656.0, 5442.0, 5718.0, 5552.0, 5708.0, 5567.0, 5445.0, 5710.0, 5599.0, 5691.0, 5432.0, 5315.0, 5370.0, 5455.0, 5565.0, 5607.0, 5375.0, 5626.0, 5391.0, 5609.0, 5658.0, 5611.0, 5420.0, 5345.0, 5434.0, 5535.0, 5294.0, 5384.0, 5713.0, 5615.0, 5340.0, 5313.0, 5288.0, 5422.0, 5660.0, 5333.0, 5331.0, 5321.0, 5715.0, 5495.0, 5358.0, 5371.0, 5634.0, 5716.0, 5688.0, 5484.0, 5557.0, 5365.0, 5693.0, 5405.0, 5311.0, 5323.0, 5436.0, 5419.0, 5523.0, 5684.0, 5670.0, 5286.0, 5721.0, 5548.0, 5377.0, 5401.0, 5566.0, 5580.0,

						5496.0, 5382.0, 5380.0, 5435.0, 5540.0, 5489.0, 5603.0, 5287.0, 5645.0, 5669.0, 5301.0, 5665.0, 5446.0, 5257.0, 5636.0, 5610.0, 5256.0, 5686.0, 5300.0, 5490.0, 5579.0, 5253.0, 5485.0, 5430.0, 5470.0, 5689.0, 5346.0, 5618.0, 5568.0, 5525.0, 5378.0, 5703.0, 5438.0, 5624.0, 5559.0, 5463.0 (number of hits: 4)
20	5510.0	9	1.0	333	1	5551.0, 5577.0, 5712.0, 5585.0, 5544.0, 5609.0, 5459.0, 5253.0, 5633.0, 5531.0, 5488.0, 5398.0, 5573.0, 5693.0, 5526.0, 5651.0, 5497.0, 5527.0, 5579.0, 5513.0, 5684.0, 5630.0, 5437.0, 5586.0, 5420.0, 5440.0, 5376.0, 5461.0, 5255.0, 5572.0, 5701.0, 5270.0, 5607.0, 5363.0, 5554.0, 5473.0, 5300.0, 5328.0, 5533.0, 5505.0, 5422.0, 5658.0, 5254.0, 5659.0, 5600.0, 5330.0, 5282.0, 5677.0, 5575.0, 5409.0, 5344.0, 5265.0, 5700.0, 5678.0, 5720.0, 5421.0, 5520.0, 5276.0, 5301.0, 5408.0, 5592.0, 5675.0, 5436.0, 5608.0, 5271.0, 5541.0, 5320.0, 5288.0, 5705.0, 5721.0, 5713.0, 5439.0, 5657.0, 5555.0, 5349.0, 5556.0, 5292.0, 5587.0, 5444.0, 5302.0, 5484.0, 5273.0, 5596.0, 5263.0, 5370.0, 5590.0, 5360.0, 5333.0, 5631.0, 5280.0, 5387.0, 5316.0, 5496.0, 5426.0, 5335.0, 5680.0, 5625.0, 5567.0, 5417.0, 5362.0 (number of hits: 7)
21	5510.0	9	1.0	333	1	5631.0, 5334.0, 5554.0, 5669.0, 5702.0, 5542.0, 5703.0, 5389.0, 5720.0, 5413.0, 5455.0, 5649.0, 5341.0, 5432.0, 5600.0, 5620.0, 5511.0, 5271.0, 5499.0, 5662.0, 5426.0, 5589.0, 5325.0, 5352.0, 5482.0, 5661.0, 5496.0, 5297.0, 5468.0, 5603.0, 5572.0, 5382.0, 5671.0, 5321.0, 5529.0, 5663.0, 5660.0, 5312.0, 5251.0, 5522.0, 5349.0, 5568.0, 5280.0, 5571.0, 5675.0, 5614.0, 5379.0, 5457.0, 5535.0, 5711.0, 5394.0, 5717.0, 5384.0, 5690.0, 5449.0, 5722.0, 5418.0, 5677.0, 5420.0, 5586.0, 5484.0, 5408.0, 5371.0, 5559.0, 5514.0, 5406.0, 5414.0, 5295.0, 5409.0, 5647.0, 5458.0, 5412.0, 5553.0, 5689.0, 5460.0, 5507.0, 5276.0, 5436.0, 5547.0, 5257.0, 5577.0, 5536.0, 5419.0, 5544.0, 5706.0, 5563.0, 5497.0, 5628.0, 5697.0, 5429.0, 5684.0, 5464.0, 5304.0, 5520.0, 5644.0, 5695.0, 5357.0, 5366.0, 5691.0, 5339.0 (number of hits: 8)
22	5510.0	9	1.0	333	1	5635.0, 5515.0, 5365.0, 5260.0, 5657.0, 5480.0, 5670.0, 5490.0, 5363.0, 5626.0, 5463.0, 5485.0, 5516.0, 5389.0, 5545.0, 5487.0, 5282.0, 5310.0, 5571.0, 5264.0, 5334.0, 5640.0, 5569.0, 5512.0, 5359.0, 5318.0, 5458.0, 5493.0, 5325.0, 5597.0, 5664.0, 5273.0, 5492.0, 5256.0, 5576.0, 5536.0, 5358.0, 5532.0, 5303.0, 5425.0, 5396.0, 5445.0, 5312.0, 5675.0, 5348.0, 5525.0, 5674.0, 5317.0, 5296.0, 5546.0, 5394.0, 5577.0, 5288.0, 5579.0, 5362.0, 5621.0, 5560.0, 5379.0, 5468.0, 5603.0, 5580.0, 5655.0, 5653.0, 5355.0, 5595.0, 5634.0, 5680.0, 5687.0, 5341.0, 5543.0, 5287.0, 5517.0, 5376.0, 5374.0, 5462.0, 5612.0, 5556.0, 5671.0, 5498.0, 5439.0, 5411.0, 5692.0, 5665.0, 5718.0, 5360.0, 5587.0, 5645.0, 5697.0, 5261.0, 5593.0, 5648.0, 5574.0, 5488.0, 5453.0, 5421.0, 5422.0, 5565.0, 5417.0, 5251.0, 5470.0 (number of hits: 8)
23	5510.0	9	1.0	333	1	5411.0, 5536.0, 5546.0, 5298.0, 5537.0, 5319.0, 5486.0, 5467.0, 5717.0, 5525.0, 5694.0, 5529.0, 5384.0, 5271.0, 5371.0, 5352.0, 5456.0, 5708.0, 5631.0, 5262.0, 5713.0, 5369.0, 5460.0, 5434.0, 5611.0, 5274.0, 5279.0, 5690.0, 5507.0, 5556.0, 5647.0, 5600.0, 5253.0, 5416.0, 5395.0, 5574.0, 5608.0, 5517.0, 5597.0, 5372.0, 5259.0, 5617.0, 5328.0, 5592.0, 5320.0, 5378.0, 5628.0, 5266.0, 5615.0, 5356.0, 5396.0, 5566.0, 5361.0, 5674.0, 5436.0, 5665.0, 5555.0, 5680.0, 5316.0, 5716.0, 5335.0, 5300.0, 5705.0, 5543.0, 5636.0, 5418.0, 5671.0, 5413.0, 5721.0, 5656.0, 5703.0, 5394.0, 5338.0, 5424.0, 5614.0, 5435.0, 5545.0, 5624.0, 5329.0, 5344.0, 5380.0, 5432.0, 5401.0, 5720.0, 5292.0, 5531.0, 5421.0, 5548.0, 5503.0, 5542.0, 5629.0, 5479.0, 5609.0, 5702.0, 5480.0, 5475.0, 5658.0, 5523.0, 5454.0, 5718.0 (number of hits: 5)
24	5510.0	9	1.0	333	1	5576.0, 5721.0, 5507.0, 5650.0, 5411.0, 5602.0, 5432.0, 5429.0, 5670.0, 5361.0, 5568.0, 5495.0, 5403.0, 5555.0, 5685.0, 5471.0, 5675.0, 5304.0, 5290.0, 5348.0, 5563.0, 5706.0, 5681.0, 5592.0, 5466.0, 5271.0, 5253.0, 5295.0, 5359.0, 5503.0, 5682.0, 5330.0, 5445.0, 5379.0, 5420.0, 5268.0, 5508.0, 5360.0, 5611.0, 5666.0,

						5582.0, 5461.0, 5528.0, 5315.0, 5566.0, 5572.0, 5629.0, 5521.0, 5307.0, 5367.0, 5702.0, 5399.0, 5553.0, 5262.0, 5331.0, 5581.0, 5410.0, 5549.0, 5593.0, 5637.0, 5484.0, 5405.0, 5537.0, 5475.0, 5401.0, 5402.0, 5301.0, 5327.0, 5319.0, 5603.0, 5667.0, 5406.0, 5358.0, 5424.0, 5557.0, 5298.0, 5427.0, 5639.0, 5483.0, 5362.0, 5377.0, 5512.0, 5547.0, 5480.0, 5594.0, 5374.0, 5317.0, 5462.0, 5469.0, 5381.0, 5477.0, 5439.0, 5587.0, 5562.0, 5266.0, 5523.0, 5659.0, 5255.0, 5352.0, 5422.0 (number of hits: 7)
25	5510.0	9	1.0	333	1	5522.0, 5442.0, 5272.0, 5572.0, 5425.0, 5433.0, 5576.0, 5708.0, 5438.0, 5328.0, 5450.0, 5631.0, 5375.0, 5556.0, 5547.0, 5422.0, 5354.0, 5437.0, 5706.0, 5266.0, 5551.0, 5440.0, 5575.0, 5679.0, 5394.0, 5453.0, 5639.0, 5265.0, 5308.0, 5302.0, 5352.0, 5587.0, 5669.0, 5296.0, 5586.0, 5700.0, 5350.0, 5638.0, 5703.0, 5257.0, 5509.0, 5365.0, 5360.0, 5441.0, 5489.0, 5720.0, 5492.0, 5364.0, 5483.0, 5293.0, 5343.0, 5533.0, 5447.0, 5516.0, 5718.0, 5702.0, 5418.0, 5691.0, 5331.0, 5408.0, 5543.0, 5416.0, 5688.0, 5396.0, 5544.0, 5521.0, 5482.0, 5481.0, 5311.0, 5305.0, 5411.0, 5616.0, 5381.0, 5487.0, 5696.0, 5361.0, 5719.0, 5314.0, 5327.0, 5348.0, 5281.0, 5390.0, 5637.0, 5317.0, 5612.0, 5651.0, 5667.0, 5549.0, 5406.0, 5642.0, 5662.0, 5477.0, 5430.0, 5569.0, 5701.0, 5621.0, 5377.0, 5380.0, 5323.0, 5674.0 (number of hits: 5)
26	5510.0	9	1.0	333	1	5533.0, 5529.0, 5306.0, 5580.0, 5575.0, 5670.0, 5646.0, 5398.0, 5573.0, 5363.0, 5589.0, 5358.0, 5568.0, 5357.0, 5360.0, 5361.0, 5400.0, 5266.0, 5345.0, 5667.0, 5428.0, 5438.0, 5714.0, 5570.0, 5715.0, 5567.0, 5432.0, 5681.0, 5631.0, 5678.0, 5503.0, 5588.0, 5291.0, 5586.0, 5429.0, 5662.0, 5557.0, 5475.0, 5356.0, 5439.0, 5642.0, 5635.0, 5491.0, 5416.0, 5532.0, 5611.0, 5273.0, 5559.0, 5680.0, 5411.0, 5326.0, 5566.0, 5396.0, 5323.0, 5492.0, 5507.0, 5340.0, 5287.0, 5585.0, 5413.0, 5617.0, 5419.0, 5397.0, 5640.0, 5602.0, 5285.0, 5701.0, 5312.0, 5691.0, 5457.0, 5664.0, 5353.0, 5299.0, 5437.0, 5548.0, 5294.0, 5653.0, 5393.0, 5467.0, 5524.0, 5369.0, 5430.0, 5261.0, 5344.0, 5722.0, 5386.0, 5634.0, 5536.0, 5455.0, 5612.0, 5402.0, 5601.0, 5281.0, 5581.0, 5308.0, 5480.0, 5389.0, 5688.0, 5560.0, 5253.0 (number of hits: 4)
27	5510.0	9	1.0	333	1	5407.0, 5259.0, 5565.0, 5714.0, 5251.0, 5401.0, 5336.0, 5408.0, 5470.0, 5324.0, 5387.0, 5542.0, 5536.0, 5622.0, 5660.0, 5262.0, 5502.0, 5426.0, 5307.0, 5630.0, 5267.0, 5695.0, 5436.0, 5357.0, 5300.0, 5396.0, 5344.0, 5306.0, 5404.0, 5539.0, 5554.0, 5447.0, 5365.0, 5617.0, 5697.0, 5304.0, 5314.0, 5298.0, 5624.0, 5659.0, 5341.0, 5713.0, 5513.0, 5266.0, 5491.0, 5406.0, 5494.0, 5558.0, 5674.0, 5395.0, 5333.0, 5679.0, 5489.0, 5402.0, 5479.0, 5484.0, 5386.0, 5664.0, 5371.0, 5286.0, 5473.0, 5582.0, 5514.0, 5560.0, 5703.0, 5629.0, 5478.0, 5411.0, 5522.0, 5627.0, 5636.0, 5583.0, 5511.0, 5639.0, 5606.0, 5698.0, 5481.0, 5657.0, 5302.0, 5490.0, 5709.0, 5381.0, 5315.0, 5312.0, 5445.0, 5619.0, 5269.0, 5327.0, 5459.0, 5497.0, 5612.0, 5618.0, 5317.0, 5555.0, 5724.0, 5295.0, 5694.0, 5496.0, 5716.0, 5264.0 (number of hits: 8)
28	5510.0	9	1.0	333	1	5410.0, 5377.0, 5582.0, 5467.0, 5299.0, 5550.0, 5420.0, 5525.0, 5434.0, 5579.0, 5251.0, 5305.0, 5311.0, 5484.0, 5474.0, 5268.0, 5656.0, 5708.0, 5306.0, 5529.0, 5432.0, 5532.0, 5395.0, 5459.0, 5409.0, 5615.0, 5478.0, 5574.0, 5688.0, 5387.0, 5674.0, 5511.0, 5258.0, 5339.0, 5546.0, 5488.0, 5486.0, 5262.0, 5545.0, 5270.0, 5571.0, 5527.0, 5499.0, 5623.0, 5692.0, 5602.0, 5314.0, 5370.0, 5629.0, 5575.0, 5654.0, 5280.0, 5715.0, 5439.0, 5601.0, 5655.0, 5668.0, 5502.0, 5508.0, 5473.0, 5690.0, 5372.0, 5698.0, 5350.0, 5317.0, 5549.0, 5466.0, 5711.0, 5558.0, 5535.0, 5429.0, 5479.0, 5604.0, 5337.0, 5650.0, 5680.0, 5363.0, 5424.0, 5427.0, 5437.0, 5598.0, 5513.0, 5622.0, 5386.0, 5389.0, 5540.0, 5275.0, 5320.0, 5382.0, 5587.0, 5665.0, 5366.0, 5627.0, 5404.0, 5265.0, 5331.0, 5517.0, 5349.0, 5287.0, 5634.0 (number of hits: 8)
29	5510.0	9	1.0	333	1	5288.0, 5373.0, 5452.0, 5329.0, 5483.0, 5401.0, 5399.0, 5445.0, 5512.0, 5506.0, 5584.0, 5665.0, 5290.0, 5605.0, 5411.0, 5692.0,

						5537.0, 5426.0, 5612.0, 5375.0, 5709.0, 5606.0, 5474.0, 5619.0, 5307.0, 5654.0, 5336.0, 5409.0, 5462.0, 5419.0, 5637.0, 5420.0, 5596.0, 5641.0, 5707.0, 5470.0, 5313.0, 5593.0, 5436.0, 5311.0, 5374.0, 5397.0, 5422.0, 5615.0, 5320.0, 5642.0, 5455.0, 5614.0, 5431.0, 5481.0, 5719.0, 5625.0, 5424.0, 5521.0, 5718.0, 5344.0, 5697.0, 5717.0, 5354.0, 5496.0, 5525.0, 5305.0, 5711.0, 5381.0, 5346.0, 5350.0, 5476.0, 5327.0, 5510.0, 5570.0, 5301.0, 5581.0, 5527.0, 5571.0, 5534.0, 5379.0, 5695.0, 5618.0, 5650.0, 5261.0, 5326.0, 5710.0, 5678.0, 5706.0, 5338.0, 5294.0, 5309.0, 5673.0, 5390.0, 5522.0, 5557.0, 5716.0, 5308.0, 5721.0, 5574.0, 5486.0, 5687.0, 5646.0, 5603.0, 5702.0 (number of hits: 8)
30	5510.0	9	1.0	333	1	5438.0, 5351.0, 5375.0, 5619.0, 5723.0, 5570.0, 5271.0, 5319.0, 5335.0, 5596.0, 5445.0, 5384.0, 5482.0, 5592.0, 5589.0, 5305.0, 5504.0, 5463.0, 5717.0, 5290.0, 5568.0, 5612.0, 5707.0, 5609.0, 5429.0, 5395.0, 5623.0, 5586.0, 5510.0, 5654.0, 5285.0, 5643.0, 5628.0, 5470.0, 5273.0, 5591.0, 5495.0, 5296.0, 5380.0, 5478.0, 5550.0, 5462.0, 5677.0, 5505.0, 5542.0, 5309.0, 5515.0, 5557.0, 5392.0, 5533.0, 5678.0, 5682.0, 5679.0, 5330.0, 5670.0, 5454.0, 5306.0, 5358.0, 5685.0, 5649.0, 5604.0, 5493.0, 5506.0, 5313.0, 5680.0, 5699.0, 5558.0, 5566.0, 5655.0, 5644.0, 5301.0, 5694.0, 5302.0, 5471.0, 5718.0, 5720.0, 5287.0, 5527.0, 5545.0, 5466.0, 5286.0, 5517.0, 5399.0, 5414.0, 5674.0, 5624.0, 5449.0, 5424.0, 5667.0, 5485.0, 5518.0, 5430.0, 5354.0, 5601.0, 5540.0, 5698.0, 5348.0, 5585.0, 5372.0, 5553.0 (number of hits: 10)

P2P Mode
Pine Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	99	1.0	538	1
2	63	1.0	838	1
3	62	1.0	858	1
4	65	1.0	818	0
5	67	1.0	798	1
6	58	1.0	918	1
7	61	1.0	878	1
8	89	1.0	598	1
9	95	1.0	558	1
10	92	1.0	578	1
11	57	1.0	938	1
12	72	1.0	738	1
13	83	1.0	638	1
14	70	1.0	758	1
15	86	1.0	618	1
16	58	1.0	910	1
17	31	1.0	1745	1
18	47	1.0	1138	1
19	18	1.0	2977	1
20	25	1.0	2177	1
21	52	1.0	1031	1
22	69	1.0	767	1
23	43	1.0	1228	1
24	20	1.0	2708	1
25	50	1.0	1066	1
26	54	1.0	983	1
27	33	1.0	1649	0
28	21	1.0	2601	1
29	85	1.0	621	0
30	46	1.0	1166	1
Detection Percentage: 90 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	23	4.1	196	1
2	28	1.6	201	1
3	24	4.6	190	1
4	25	1.0	195	0
5	28	4.0	184	1
6	27	4.5	222	0
7	29	3.7	166	1
8	25	3.2	178	1
9	27	3.9	172	1
10	28	1.5	230	1
11	28	4.3	203	1
12	26	1.8	170	1
13	23	3.1	170	1
14	25	1.4	193	1
15	23	3.8	171	1
16	25	2.8	215	1
17	29	1.7	216	1
18	28	1.9	202	1
19	29	3.1	225	1
20	24	4.3	183	0
21	27	4.2	210	1
22	23	2.1	182	0
23	28	4.9	199	1
24	23	1.6	152	1
25	23	4.1	155	1
26	27	3.7	157	1
27	24	3.3	172	1
28	27	3.9	178	1
29	23	3.6	171	1
30	28	1.7	155	0
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	8.1	256	1
2	16	7.0	251	1
3	18	7.6	225	1
4	16	6.7	225	1
5	17	6.2	499	1
6	18	8.4	322	1
7	16	8.6	240	1
8	18	7.7	402	1
9	16	6.3	475	1
10	17	8.6	229	1
11	17	6.4	211	0
12	16	6.8	439	1
13	17	9.7	370	1
14	17	8.3	214	1
15	17	9.3	434	1
16	16	6.0	436	1
17	17	9.4	465	1
18	18	8.9	242	1
19	18	7.0	247	1
20	16	9.4	401	1
21	16	7.3	239	1
22	16	9.5	215	1
23	18	9.6	234	0
24	17	7.2	482	1
25	16	8.1	266	1
26	18	9.9	388	1
27	18	7.8	270	1
28	18	8.7	275	0
29	17	7.1	500	1
30	16	6.2	470	1
Detection Percentage: 90 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	15.5	382	1
2	13	11.0	203	0
3	12	19.7	207	1
4	12	13.6	248	1
5	12	15.7	230	1
6	12	15.4	479	1
7	15	18.8	476	1
8	12	11.0	412	1
9	14	19.9	223	1
10	15	12.8	419	1
11	14	16.4	306	0
12	14	19.8	335	1
13	15	19.9	241	1
14	13	15.3	452	1
15	16	12.7	395	1
16	14	17.2	319	1
17	12	15.3	489	1
18	15	19.1	378	0
19	13	20.0	493	1
20	12	17.0	461	1
21	14	16.8	270	1
22	15	18.6	257	1
23	15	12.2	490	1
24	16	16.0	246	0
25	12	14.6	493	0
26	14	11.6	411	1
27	14	18.3	313	1
28	14	14.4	429	0
29	16	17.7	217	1
30	13	11.3	204	1
Detection Percentage: 80 % (>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	5499.5	1
12	5495.9	1
13	5495.1	1
14	5495.5	1
15	5494.3	1
16	5495.1	1
17	5495.9	1
18	5497.5	1
19	5496.7	1
20	5495.9	1
21	5566.1	1
22	5561.3	1
23	5561.3	1
24	5562.5	1
25	5562.9	1
26	5564.9	1
27	5565.3	1
28	5563.7	1
29	5560.5	1
30	5562.5	1
Detection Percentage: 100 % (>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	10	71.9	1940	1421	0.648179	1
1	1	10	99.5			1.949001	
2	1	10	84.6			2.540533	
3	2	10	88.5	1086		4.633922	
4	1	10	87.6			5.763683	
5	1	10	70.3			6.874397	
6	2	10	56.3	1008		7.307057	
7	3	10	51.4	1131	1186	8.578762	
8	2	10	79.6	1448		10.540951	
9	2	10	82.5	1878		11.662703	

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	91.8	1383		0.396870	1
1	1	8	55.3			1.094517	
2	2	8	95.2	1644		2.026365	
3	3	8	67.7	1693	1670	2.430421	
4	3	8	76.0	1862	1227	3.445315	
5	3	8	82.6	1636	1965	3.598119	
6	3	8	69.8	1728	1355	4.408971	
7	1	8	51.1			5.192531	
8	3	8	90.4	1783	1969	6.208058	
9	3	8	94.4	1839	1313	6.804808	
10	2	8	63.1	1997		7.716345	
11	2	8	56.0	1097		8.431535	
12	1	8	93.5			8.766329	
13	3	8	98.8	1370	1027	9.270674	
14	2	8	67.1	1809		10.168932	
15	1	8	99.2			11.190169	
16	2	8	55.6	1457		11.830872	

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	11	55.5			0.316267	1
1	3	11	80.9	1020	1705	1.491486	
2	2	11	83.8	1687		3.841517	
3	2	11	89.9	1913		5.296828	
4	3	11	82.6	1749	1620	6.208008	
5	2	11	99.0	1982		6.827410	
6	2	11	93.6	1992		8.587455	
7	1	11	87.5			10.327325	
8	2	11	77.0	1627		11.289011	

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	15	80.9	1258		0.256622	1
1	3	15	90.5	1351	1491	1.378783	
2	3	15	57.5	1020	1707	2.360457	
3	2	15	51.2	1372		3.055564	
4	3	15	62.0	1126	1800	4.082000	
5	1	15	97.4			5.230089	
6	1	15	62.9			5.992031	
7	2	15	72.5	1064		6.749102	
8	2	15	94.3	1833		7.926763	
9	2	15	58.7	1699		8.407485	
10	2	15	57.0	1661		9.420850	
11	2	15	50.2	1894		10.601090	
12	2	15	84.8	1263		11.499093	

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	9	87.0	1851	1544	1.072566	
1	3	9	51.0	1531	1487	1.605545	
2	2	9	79.5	1503		2.671645	
3	2	9	70.9	1476		4.400472	
4	3	9	89.5	1435	1877	5.798735	1
5	1	9	52.4			6.880941	
6	2	9	63.0	1974		8.616181	
7	3	9	93.1	1569	1700	9.971491	
8	2	9	91.5	1263		11.350807	

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	6	68.8			0.443207	
1	2	6	63.8	1734		1.084093	
2	3	6	98.9	1947	1452	2.132449	
3	3	6	58.6	1410	1981	2.414580	
4	2	6	93.1	1083		3.466633	
5	1	6	75.2			4.103940	
6	2	6	74.5	1863		4.938610	
7	2	6	94.7	1320		5.567523	
8	1	6	76.8			6.260864	1
9	2	6	87.8	1530		6.810457	
10	1	6	59.1			7.737488	
11	1	6	83.8			8.324590	
12	2	6	85.8	1726		9.127513	
13	2	6	95.2	1943		9.965099	
14	1	6	90.6			11.224130	
15	3	6	99.1	1494	1964	11.477596	

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	10	79.4	1515		1.013613	1
1	3	10	86.0	1770	1981	1.328609	
2	3	10	57.6	1320	1321	2.971343	
3	1	10	78.6			3.552640	
4	2	10	89.5	1304		5.224501	
5	2	10	91.2	1495		6.168555	
6	2	10	61.0	1666		7.464238	
7	3	10	87.3	1405	1161	8.128314	
8	3	10	55.7	1659	1356	9.465520	
9	2	10	84.9	1940		10.607193	
10	2	10	98.9	1719		11.537431	

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	14	94.3	1231		0.354004	1
1	1	14	83.7			1.432907	
2	2	14	60.0	1479		1.607651	
3	3	14	77.6	1539	1460	2.313713	
4	3	14	81.3	1590	1508	3.485679	
5	2	14	69.6	1604		4.255458	
6	2	14	96.5	1616		4.553625	
7	2	14	84.7	1106		5.386310	
8	1	14	61.9			6.496258	
9	2	14	79.6	1545		7.106732	
10	2	14	58.0	1114		7.624014	
11	2	14	85.9	1371		8.970666	
12	2	14	52.1	1669		9.198150	
13	2	14	73.3	1307		9.833765	
14	1	14	97.3			10.735213	
15	1	14	75.2			11.443777	

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	7	64.8	1610		0.348377	
1	2	7	96.2	1673		1.844391	
2	2	7	53.6	1736		2.872588	
3	3	7	93.1	1171	1496	3.389354	
4	3	7	63.3	1787	1900	4.372386	
5	2	7	87.8	1617		6.424751	1
6	2	7	64.2	1277		7.173617	
7	2	7	81.5	1772		7.903484	
8	2	7	55.3	1564		9.597867	
9	3	7	73.0	1534	1815	10.856504	
10	3	7	70.1	1089	1216	11.712378	

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	73.0	1092		0.339519	
1	3	14	88.8	1272	1963	0.901256	
2	1	14	57.6			2.103430	
3	3	14	69.2	1402	1084	2.805437	
4	3	14	59.0	1137	1737	3.213556	
5	3	14	60.9	1246	1390	4.620969	
6	2	14	68.0	1856		5.062904	
7	2	14	72.4	1281		6.045319	1
8	3	14	98.8	1141	1440	6.741045	
9	3	14	67.8	1967	1702	7.461856	
10	1	14	91.9			8.717916	
11	1	14	99.7			9.173422	
12	1	14	61.1			10.302322	
13	1	14	77.0			10.479520	
14	1	14	57.9			11.819568	

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	20	78.0	1133		0.097194	
1	1	20	73.2			1.190252	
2	3	20	52.8	1012	1181	1.840807	
3	1	20	78.6			2.566621	
4	1	20	61.0			3.327835	
5	2	20	86.1	1192		4.102277	
6	1	20	79.5			4.730780	
7	3	20	58.2	1453	1747	5.519621	
8	2	20	74.1	1448		5.769561	1
9	2	20	61.2	1859		6.579013	
10	1	20	60.7			7.496360	
11	3	20	69.3	1049	1401	8.354254	
12	2	20	82.7	1976		8.921490	
13	3	20	67.3	1400	1696	9.594595	
14	1	20	95.3			9.999209	
15	3	20	70.1	1786	1774	11.239380	
16	2	20	50.4	1640		11.382309	

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	78.1	1364		0.259504	
1	2	11	70.2	1704		1.835067	
2	2	11	65.4	1398		2.764498	
3	1	11	57.4			3.951741	
4	3	11	88.8	1257	1025	4.562828	
5	3	11	57.5	1412	1934	5.661958	1
6	2	11	80.3	1333		6.716856	
7	1	11	96.6			8.533422	
8	3	11	67.4	1025	1967	9.148481	
9	1	11	64.0			10.387345	
10	2	11	76.8	1841		11.765817	

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	9	79.5	1056	1626	0.054424	1
1	2	9	55.8	1546		1.188668	
2	3	9	71.6	1661	1821	1.524765	
3	3	9	51.6	1142	1004	2.042038	
4	2	9	90.4	1652		2.887220	
5	1	9	69.1			3.420505	
6	2	9	88.8	1025		3.780323	
7	2	9	65.4	1737		4.513086	
8	2	9	70.6	1237		4.909450	
9	3	9	80.5	1000	1944	5.837895	
10	2	9	99.5	1509		6.429014	
11	3	9	91.1	1479	1297	7.058330	
12	2	9	76.9	1151		7.560229	
13	1	9	71.6			7.874717	
14	2	9	55.2	1670		8.872181	
15	3	9	58.4	1409	1339	9.181530	
16	2	9	93.2	1836		10.091369	
17	2	9	68.1	1345		10.528471	
18	2	9	69.9	1084		11.339981	
19	1	9	80.5			11.912324	

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	10	95.7	1650	1950	0.476505	1
1	2	10	52.5	1384		0.784511	
2	2	10	67.7	1893		1.819544	
3	3	10	69.7	1053	1154	2.628838	
4	3	10	56.9	1586	1205	2.848952	
5	2	10	61.5	1431		3.719134	
6	2	10	51.1	1092		4.235382	
7	2	10	55.1	1488		4.812437	
8	3	10	56.4	1225	1497	5.554693	
9	3	10	73.4	1675	1156	6.348565	
10	2	10	87.7	1323		6.940577	
11	2	10	88.1	1208		7.592761	
12	1	10	90.2			8.327089	
13	1	10	55.5			9.113654	
14	2	10	53.3	1818		9.555932	
15	2	10	65.9	1570		10.296807	
16	3	10	99.3	1448	1764	11.119926	
17	3	10	68.3	1739	1811	11.594126	

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	7	95.5	1022	1465	0.264491	
1	1	7	82.1			0.932641	
2	2	7	75.7	1428		2.039334	
3	2	7	69.2	1542		3.093486	
4	2	7	82.7	1404		4.030432	
5	3	7	98.9	1021	1931	5.346633	
6	3	7	50.7	1184	1175	6.440663	1
7	1	7	81.0			6.493380	
8	2	7	80.7	1416		8.106155	
9	1	7	66.2			8.983110	
10	1	7	86.3			9.636991	
11	3	7	76.1	1264	1062	10.996012	
12	3	7	73.9	1103	1048	11.466578	

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	9	56.4	1704		0.371340	
1	2	9	53.5	1765		1.444409	
2	3	9	75.5	1431	1007	2.379921	
3	2	9	50.3	1804		3.245904	
4	3	9	71.3	1314	1349	3.628380	
5	1	9	50.9			5.066562	
6	2	9	74.1	1952		5.494617	
7	1	9	65.9			6.378340	1
8	3	9	80.3	1004	1056	7.420616	
9	3	9	97.3	1260	1792	8.106815	
10	1	9	76.9			8.827868	
11	3	9	50.0	1750	1680	10.151085	
12	1	9	83.4			10.635923	
13	3	9	53.4	1425	1360	11.660706	

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	11	80.2	1132		0.753788	1
1	2	11	60.3	1506		1.765081	
2	1	11	70.1			3.174481	
3	2	11	91.9	1599		3.687586	
4	2	11	83.8	1253		4.830795	
5	3	11	82.4	1583	1813	6.604948	
6	2	11	91.1	1502		7.883092	
7	1	11	84.4			9.267782	
8	2	11	66.7	1645		10.130118	
9	1	11	94.3			11.925229	

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	15	89.1	1137		0.145532	1
1	2	15	90.7	1764		1.161145	
2	3	15	80.4	1800	1568	1.395455	
3	2	15	51.7	1748		2.438545	
4	2	15	64.8	1334		2.801237	
5	2	15	55.4	1286		3.391737	
6	3	15	53.7	1586	1769	4.460795	
7	2	15	70.6	1259		5.066321	
8	2	15	54.9	1772		5.386267	
9	2	15	91.8	1651		6.036224	
10	1	15	76.0			7.085977	
11	2	15	63.5	1519		7.752046	
12	3	15	92.0	1405	1030	8.430838	
13	3	15	73.4	1836	1760	9.007385	
14	1	15	56.2			9.644723	
15	1	15	90.1			10.052702	
16	3	15	90.1	1097	1591	11.184479	
17	3	15	77.8	1764	1816	11.520199	

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	13	69.0	1279	1750	0.569931	
1	2	13	94.4	1960		0.969903	
2	3	13	65.9	1878	1427	2.456609	
3	2	13	75.5	1104		3.654068	
4	2	13	81.9	1019		3.835683	
5	2	13	90.6	1142		4.809187	
6	3	13	93.2	1150	1149	5.806079	1
7	3	13	63.1	1422	1423	6.903558	
8	2	13	88.6	1337		7.642905	
9	1	13	76.0			9.026088	
10	2	13	75.1	1105		9.880543	
11	3	13	80.2	1614	1296	11.060014	
12	3	13	91.0	1158	1112	11.668144	

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	11	52.9	1233	1552	0.538106	
1	1	11	84.6			1.588199	
2	2	11	57.2	1010		3.156041	
3	2	11	54.3	1333		4.108518	
4	3	11	56.7	1659	1404	5.504611	1
5	2	11	84.0	1686		6.436213	
6	3	11	83.3	1468	1383	8.273186	
7	2	11	96.6	1780		8.437948	
8	1	11	92.4			10.629420	
9	2	11	72.2	1154		11.630825	

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	6	93.0	1574		0.580880	
1	2	6	88.0	1313		0.838217	
2	2	6	82.6	1727		1.722156	
3	1	6	85.0			2.937336	
4	3	6	97.8	1867	1330	3.232966	
5	2	6	80.3	1656		4.401527	
6	3	6	98.4	1094	1519	5.228840	
7	2	6	80.4	1853		6.087883	1
8	1	6	77.4			6.581925	
9	2	6	81.8	1783		7.230053	
10	1	6	69.7			8.535318	
11	3	6	55.2	1867	1609	9.309983	
12	2	6	65.5	1411		10.289636	
13	2	6	98.5	1250		10.847146	
14	2	6	92.5	1417		11.861190	

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	18	84.8	1778		0.804231	
1	1	18	83.4			1.259538	
2	2	18	68.9	1995		3.037214	
3	3	18	56.5	1832	1557	4.628221	
4	2	18	58.9	1653		5.381085	
5	1	18	57.2			6.093964	1
6	2	18	61.7	1524		7.409275	
7	2	18	87.1	1837		9.054722	
8	2	18	88.3	1562		10.145221	
9	1	18	54.4			11.571849	

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	18	79.7	1906		0.562057	
1	2	18	95.3	1231		1.013852	
2	3	18	67.8	1908	1184	1.819363	
3	2	18	90.5	1872		2.198271	
4	1	18	82.1			3.404327	
5	1	18	94.5			3.996790	
6	1	18	76.8			4.634999	
7	2	18	54.6	1378		5.340169	
8	2	18	86.1	1197		6.199069	1
9	2	18	86.8	1624		6.536200	
10	2	18	55.5	1188		7.443491	
11	2	18	60.8	1945		8.254824	
12	2	18	65.6	1232		8.733953	
13	3	18	60.8	1020	1610	9.683001	
14	3	18	64.9	1273	1865	9.981649	
15	2	18	77.5	1846		10.736365	
16	2	18	95.6	1848		11.648924	

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	15	50.5	1508	1070	0.294777	1
1	3	15	60.8	1359	1608	1.282241	
2	2	15	67.2	1995		1.645541	
3	3	15	52.2	1029	1746	2.709361	
4	1	15	58.0			3.084541	
5	3	15	85.4	1391	1279	4.041988	
6	1	15	66.3			4.569902	
7	1	15	61.8			5.612484	
8	3	15	98.1	1585	1831	6.481636	
9	3	15	61.3	1858	1764	7.317960	
10	2	15	83.5	1836		7.912909	
11	3	15	50.4	1221	1640	8.631389	
12	1	15	97.1			9.045663	
13	2	15	52.6	1161		9.770151	
14	2	15	98.5	1602		11.076706	
15	2	15	91.1	1252		11.615153	

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	14	55.8	1569		0.413758	1
1	2	14	70.3	1504		1.738211	
2	2	14	51.7	1278		2.710076	
3	2	14	55.8	1535		4.442325	
4	1	14	54.1			5.126556	
5	1	14	97.1			6.900927	
6	1	14	51.8			7.535828	
7	2	14	74.9	1819		8.954284	
8	3	14	72.9	1781	1542	10.452758	
9	2	14	91.0	1847		11.492995	

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	64.6	1097		0.523703	
1	1	9	97.0			1.512634	
2	2	9	76.2	1828		1.718082	
3	2	9	70.0	1958		2.906391	
4	1	9	68.9			3.832004	
5	3	9	80.4	1220	1602	4.690704	
6	2	9	98.4	1041		4.941457	
7	1	9	53.3			6.191477	1
8	3	9	55.3	1146	1105	6.904877	
9	1	9	76.9			7.808610	
10	1	9	65.9			8.044991	
11	2	9	80.5	1914		8.855794	
12	3	9	72.1	1725	1062	9.936184	
13	2	9	84.8	1493		10.969280	
14	2	9	54.5	1749		11.682793	

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	87.4	1647	1065	0.567827	
1	1	8	93.0			0.769385	
2	1	8	87.2			1.924164	
3	2	8	85.7	1402		2.404834	
4	3	8	80.5	1308	1814	3.170530	
5	2	8	65.9	1329		3.645274	
6	3	8	55.4	1575	1964	4.445376	
7	3	8	58.6	1339	1847	5.273994	
8	3	8	78.7	1784	1881	5.465415	
9	2	8	99.9	1622		6.168800	1
10	1	8	96.7			6.982811	
11	3	8	65.9	1062	1660	7.576181	
12	3	8	93.2	1523	1450	8.431028	
13	2	8	83.7	1619		8.695069	
14	1	8	92.5			9.930935	
15	1	8	96.3			10.255082	
16	1	8	60.6			11.317497	
17	2	8	59.5	1322		11.354299	

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	12	76.0	1589		0.152020	1
1	1	12	94.4			0.937034	
2	2	12	79.0	1369		1.344618	
3	3	12	82.7	1536	1596	2.292904	
4	2	12	52.9	1250		2.683148	
5	3	12	98.7	1921	1173	3.320765	
6	2	12	86.9	1271		3.731266	
7	2	12	55.7	1806		4.678835	
8	1	12	50.5			5.070310	
9	2	12	80.7	1437		5.865683	
10	3	12	67.0	1103	1965	6.123733	
11	2	12	64.9	1413		6.640074	
12	2	12	64.2	1576		7.332032	
13	3	12	73.6	1884	1185	8.066733	
14	3	12	67.0	1050	1286	8.947931	
15	3	12	87.0	1954	1149	9.197360	
16	3	12	71.3	1172	1145	9.925110	
17	2	12	85.8	1264		10.219632	
18	2	12	85.5	1628		10.840451	
19	3	12	72.0	1752	1949	11.548876	

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	20	80.5	1145	1452	0.651270	1
1	3	20	76.3	1484	1468	1.169823	
2	3	20	56.8	1944	1177	1.671578	
3	3	20	64.8	1925	1049	2.378911	
4	2	20	78.6	1324		3.181621	
5	2	20	67.2	1673		4.008072	
6	1	20	52.9			4.691055	
7	1	20	53.4			5.928104	
8	1	20	74.8			6.510887	
9	2	20	90.4	1443		6.827293	
10	2	20	96.7	1474		7.579228	
11	1	20	54.6			8.955329	
12	2	20	80.3	1407		9.333680	
13	2	20	99.9	1660		10.009683	
14	2	20	57.1	1372		10.871672	
15	3	20	86.8	1795	1671	11.553093	

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	15	65.5	1610	1417	0.402859	
1	2	15	65.8	1477		1.592809	
2	2	15	83.9	1497		2.145700	
3	3	15	67.2	1632	1222	2.677213	
4	3	15	61.4	1264	1102	3.940370	
5	2	15	88.1	1027		4.139194	
6	3	15	88.5	1158	1625	5.147725	
7	2	15	98.9	1298		5.900418	1
8	2	15	58.0	1434		6.887877	
9	3	15	97.8	1152	1181	7.956048	
10	3	15	67.8	1543	1686	8.600347	
11	1	15	67.7			9.389948	
12	3	15	79.2	1948	1208	10.131375	
13	2	15	63.5	1204		10.484978	
14	1	15	63.3			11.819729	

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	5530.0	9	1.0	333	1	5308.0, 5691.0, 5451.0, 5458.0, 5326.0, 5437.0, 5623.0, 5687.0, 5580.0, 5630.0, 5395.0, 5670.0, 5710.0, 5544.0, 5472.0, 5318.0, 5664.0, 5508.0, 5287.0, 5676.0, 5305.0, 5388.0, 5709.0, 5668.0, 5344.0, 5660.0, 5390.0, 5595.0, 5460.0, 5431.0, 5396.0, 5657.0, 5611.0, 5392.0, 5426.0, 5631.0, 5568.0, 5598.0, 5273.0, 5442.0, 5578.0, 5466.0, 5299.0, 5695.0, 5554.0, 5261.0, 5522.0, 5511.0, 5567.0, 5430.0, 5268.0, 5616.0, 5494.0, 5686.0, 5585.0, 5409.0, 5256.0, 5289.0, 5545.0, 5530.0, 5404.0, 5640.0, 5532.0, 5463.0, 5675.0, 5575.0, 5669.0, 5535.0, 5549.0, 5307.0, 5540.0, 5353.0, 5252.0, 5644.0, 5329.0, 5599.0, 5605.0, 5698.0, 5339.0, 5652.0, 5281.0, 5412.0, 5312.0, 5417.0, 5385.0, 5387.0, 5263.0, 5313.0, 5722.0, 5254.0, 5464.0, 5330.0, 5583.0, 5582.0, 5448.0, 5603.0, 5520.0, 5538.0, 5650.0, 5589.0 (number of hits: 15)
2	5530.0	9	1.0	333	1	5723.0, 5561.0, 5377.0, 5342.0, 5559.0, 5667.0, 5628.0, 5700.0, 5708.0, 5528.0, 5671.0, 5483.0, 5508.0, 5272.0, 5440.0, 5341.0, 5674.0, 5289.0, 5318.0, 5287.0, 5711.0, 5301.0, 5312.0, 5605.0, 5348.0, 5548.0, 5688.0, 5395.0, 5657.0, 5634.0, 5295.0, 5514.0, 5285.0, 5602.0, 5599.0, 5653.0, 5308.0, 5441.0, 5252.0, 5326.0, 5666.0, 5519.0, 5521.0, 5557.0, 5617.0, 5581.0, 5343.0, 5397.0, 5470.0, 5283.0, 5310.0, 5409.0, 5467.0, 5649.0, 5345.0, 5430.0, 5701.0, 5717.0, 5531.0, 5489.0, 5706.0, 5586.0, 5720.0, 5356.0, 5475.0, 5710.0, 5262.0, 5691.0, 5322.0, 5422.0, 5268.0, 5335.0, 5712.0, 5644.0, 5389.0, 5522.0, 5655.0, 5427.0, 5264.0, 5291.0, 5590.0, 5620.0, 5357.0, 5695.0, 5347.0, 5408.0, 5472.0, 5537.0, 5658.0, 5645.0, 5462.0, 5588.0, 5679.0, 5415.0, 5554.0, 5488.0, 5681.0, 5504.0, 5432.0, 5577.0 (number of hits: 14)
3	5530.0	9	1.0	333	1	5506.0, 5378.0, 5396.0, 5538.0, 5281.0, 5627.0, 5496.0, 5516.0, 5582.0, 5568.0, 5593.0, 5428.0, 5666.0, 5500.0, 5417.0, 5702.0, 5653.0, 5669.0, 5330.0, 5274.0, 5606.0, 5584.0, 5677.0, 5293.0, 5321.0, 5371.0, 5262.0, 5655.0, 5367.0, 5603.0, 5577.0, 5277.0, 5560.0, 5482.0, 5302.0, 5266.0, 5581.0, 5488.0, 5328.0, 5678.0, 5402.0, 5527.0, 5674.0, 5696.0, 5346.0, 5591.0, 5523.0, 5565.0, 5304.0, 5648.0, 5455.0, 5699.0, 5589.0, 5390.0, 5510.0, 5509.0, 5469.0, 5372.0, 5498.0, 5398.0, 5513.0, 5478.0, 5306.0, 5467.0, 5580.0, 5352.0, 5326.0, 5514.0, 5421.0, 5456.0, 5433.0, 5519.0, 5705.0, 5533.0, 5411.0, 5683.0, 5338.0, 5621.0, 5629.0, 5315.0, 5673.0, 5520.0, 5675.0, 5269.0, 5680.0, 5579.0, 5397.0, 5502.0, 5344.0, 5570.0, 5468.0, 5598.0, 5297.0, 5620.0, 5604.0, 5636.0, 5535.0, 5691.0, 5258.0, 5672.0 (number of hits: 19)
4	5530.0	9	1.0	333	1	5428.0, 5285.0, 5595.0, 5347.0, 5659.0, 5416.0, 5511.0, 5350.0, 5304.0, 5341.0, 5722.0, 5590.0, 5294.0, 5535.0, 5560.0, 5617.0, 5696.0, 5575.0, 5413.0, 5316.0, 5464.0, 5483.0, 5620.0, 5450.0, 5257.0, 5470.0, 5673.0, 5675.0, 5359.0, 5601.0, 5662.0, 5503.0, 5458.0, 5584.0, 5602.0, 5364.0, 5660.0, 5354.0, 5352.0, 5539.0, 5714.0, 5308.0, 5641.0, 5321.0, 5396.0, 5648.0, 5389.0, 5553.0, 5442.0, 5573.0, 5594.0, 5546.0, 5329.0, 5598.0, 5697.0, 5600.0, 5625.0, 5610.0, 5490.0, 5618.0, 5382.0, 5427.0, 5266.0, 5288.0, 5528.0, 5530.0, 5611.0, 5268.0, 5295.0, 5312.0, 5451.0, 5537.0, 5658.0, 5616.0, 5500.0, 5581.0, 5363.0, 5438.0, 5661.0, 5417.0, 5460.0, 5319.0, 5655.0, 5457.0, 5494.0, 5463.0, 5343.0, 5489.0, 5717.0, 5614.0, 5374.0, 5586.0, 5629.0, 5355.0, 5259.0, 5708.0, 5296.0, 5549.0, 5406.0, 5695.0 (number of hits: 13)
5	5530.0	9	1.0	333	1	5373.0, 5550.0, 5537.0, 5407.0, 5278.0, 5251.0, 5284.0, 5525.0, 5405.0, 5515.0, 5523.0, 5330.0, 5433.0, 5666.0, 5548.0, 5583.0, 5311.0, 5282.0, 5363.0, 5573.0, 5390.0, 5475.0, 5343.0, 5316.0, 5432.0, 5527.0, 5680.0, 5456.0, 5679.0, 5460.0, 5716.0, 5595.0,

						5619.0, 5342.0, 5452.0, 5477.0, 5682.0, 5578.0, 5620.0, 5521.0, 5563.0, 5253.0, 5277.0, 5677.0, 5616.0, 5447.0, 5280.0, 5402.0, 5510.0, 5267.0, 5467.0, 5528.0, 5540.0, 5359.0, 5564.0, 5347.0, 5268.0, 5618.0, 5491.0, 5473.0, 5258.0, 5344.0, 5469.0, 5389.0, 5598.0, 5354.0, 5488.0, 5416.0, 5361.0, 5714.0, 5594.0, 5441.0, 5297.0, 5458.0, 5400.0, 5455.0, 5419.0, 5318.0, 5549.0, 5707.0, 5631.0, 5566.0, 5415.0, 5602.0, 5450.0, 5483.0, 5713.0, 5357.0, 5399.0, 5715.0, 5350.0, 5418.0, 5496.0, 5591.0, 5409.0, 5338.0, 5509.0, 5705.0, 5506.0, 5305.0 (number of hits: 18)
6	5530.0	9	1.0	333	1	5515.0, 5490.0, 5314.0, 5356.0, 5286.0, 5623.0, 5474.0, 5337.0, 5582.0, 5668.0, 5694.0, 5328.0, 5309.0, 5403.0, 5627.0, 5723.0, 5421.0, 5597.0, 5663.0, 5344.0, 5391.0, 5424.0, 5545.0, 5710.0, 5359.0, 5302.0, 5531.0, 5679.0, 5658.0, 5539.0, 5277.0, 5518.0, 5530.0, 5634.0, 5640.0, 5343.0, 5445.0, 5480.0, 5690.0, 5263.0, 5258.0, 5350.0, 5651.0, 5370.0, 5585.0, 5719.0, 5493.0, 5481.0, 5628.0, 5557.0, 5517.0, 5297.0, 5467.0, 5393.0, 5294.0, 5713.0, 5619.0, 5459.0, 5698.0, 5458.0, 5707.0, 5380.0, 5696.0, 5616.0, 5568.0, 5648.0, 5497.0, 5412.0, 5488.0, 5437.0, 5529.0, 5254.0, 5583.0, 5345.0, 5661.0, 5283.0, 5267.0, 5578.0, 5449.0, 5323.0, 5571.0, 5259.0, 5721.0, 5541.0, 5604.0, 5505.0, 5430.0, 5624.0, 5560.0, 5499.0, 5439.0, 5577.0, 5687.0, 5373.0, 5433.0, 5562.0, 5649.0, 5590.0, 5308.0, 5642.0 (number of hits: 16)
7	5530.0	9	1.0	333	1	5366.0, 5568.0, 5601.0, 5299.0, 5535.0, 5437.0, 5397.0, 5685.0, 5287.0, 5588.0, 5502.0, 5596.0, 5375.0, 5654.0, 5340.0, 5621.0, 5529.0, 5284.0, 5455.0, 5650.0, 5300.0, 5663.0, 5387.0, 5468.0, 5471.0, 5421.0, 5429.0, 5574.0, 5697.0, 5703.0, 5293.0, 5343.0, 5487.0, 5508.0, 5678.0, 5494.0, 5273.0, 5433.0, 5342.0, 5341.0, 5655.0, 5580.0, 5641.0, 5331.0, 5472.0, 5404.0, 5686.0, 5251.0, 5630.0, 5385.0, 5525.0, 5687.0, 5371.0, 5716.0, 5402.0, 5597.0, 5477.0, 5637.0, 5328.0, 5463.0, 5603.0, 5576.0, 5459.0, 5627.0, 5691.0, 5543.0, 5376.0, 5495.0, 5444.0, 5344.0, 5435.0, 5688.0, 5322.0, 5446.0, 5629.0, 5507.0, 5581.0, 5308.0, 5518.0, 5260.0, 5489.0, 5532.0, 5554.0, 5419.0, 5336.0, 5592.0, 5628.0, 5399.0, 5270.0, 5269.0, 5283.0, 5570.0, 5265.0, 5439.0, 5337.0, 5512.0, 5589.0, 5544.0, 5546.0, 5709.0 (number of hits: 15)
8	5530.0	9	1.0	333	1	5259.0, 5657.0, 5591.0, 5455.0, 5436.0, 5528.0, 5297.0, 5435.0, 5701.0, 5664.0, 5539.0, 5440.0, 5363.0, 5311.0, 5524.0, 5462.0, 5627.0, 5531.0, 5644.0, 5503.0, 5285.0, 5686.0, 5646.0, 5625.0, 5421.0, 5381.0, 5597.0, 5322.0, 5257.0, 5345.0, 5680.0, 5568.0, 5287.0, 5399.0, 5303.0, 5266.0, 5667.0, 5361.0, 5588.0, 5525.0, 5610.0, 5545.0, 5484.0, 5693.0, 5379.0, 5321.0, 5656.0, 5289.0, 5271.0, 5464.0, 5626.0, 5678.0, 5527.0, 5612.0, 5301.0, 5312.0, 5412.0, 5629.0, 5681.0, 5649.0, 5425.0, 5416.0, 5697.0, 5650.0, 5494.0, 5617.0, 5573.0, 5595.0, 5472.0, 5403.0, 5489.0, 5286.0, 5298.0, 5406.0, 5325.0, 5608.0, 5636.0, 5307.0, 5707.0, 5580.0, 5291.0, 5661.0, 5388.0, 5684.0, 5453.0, 5359.0, 5272.0, 5602.0, 5473.0, 5495.0, 5565.0, 5715.0, 5577.0, 5392.0, 5685.0, 5397.0, 5631.0, 5634.0, 5498.0, 5521.0 (number of hits: 13)
9	5530.0	9	1.0	333	1	5588.0, 5419.0, 5387.0, 5262.0, 5591.0, 5354.0, 5644.0, 5256.0, 5537.0, 5715.0, 5450.0, 5348.0, 5260.0, 5685.0, 5331.0, 5554.0, 5636.0, 5485.0, 5649.0, 5684.0, 5664.0, 5317.0, 5556.0, 5528.0, 5315.0, 5378.0, 5291.0, 5414.0, 5281.0, 5296.0, 5457.0, 5342.0, 5302.0, 5564.0, 5710.0, 5288.0, 5573.0, 5683.0, 5605.0, 5366.0, 5540.0, 5361.0, 5433.0, 5701.0, 5455.0, 5651.0, 5578.0, 5574.0, 5358.0, 5632.0, 5508.0, 5386.0, 5272.0, 5351.0, 5464.0, 5655.0, 5469.0, 5333.0, 5542.0, 5510.0, 5568.0, 5396.0, 5566.0, 5373.0, 5625.0, 5374.0, 5615.0, 5261.0, 5488.0, 5422.0, 5321.0, 5326.0, 5718.0, 5380.0, 5642.0, 5392.0, 5512.0, 5413.0, 5722.0, 5449.0, 5325.0, 5404.0, 5423.0, 5599.0, 5424.0, 5496.0, 5638.0, 5586.0, 5575.0, 5383.0, 5393.0, 5379.0, 5514.0, 5711.0, 5466.0, 5593.0, 5555.0, 5471.0, 5493.0, 5301.0 (number of hits: 15)
10	5530.0	9	1.0	333	1	5279.0, 5488.0, 5415.0, 5286.0, 5584.0, 5266.0, 5416.0, 5706.0,

						5271.0, 5253.0, 5705.0, 5677.0, 5422.0, 5687.0, 5296.0, 5404.0, 5583.0, 5515.0, 5506.0, 5620.0, 5424.0, 5672.0, 5497.0, 5650.0, 5640.0, 5683.0, 5355.0, 5388.0, 5715.0, 5521.0, 5529.0, 5386.0, 5533.0, 5291.0, 5439.0, 5516.0, 5273.0, 5323.0, 5690.0, 5457.0, 5447.0, 5281.0, 5303.0, 5551.0, 5614.0, 5392.0, 5334.0, 5695.0, 5592.0, 5333.0, 5598.0, 5385.0, 5481.0, 5306.0, 5328.0, 5335.0, 5556.0, 5698.0, 5350.0, 5338.0, 5700.0, 5691.0, 5665.0, 5469.0, 5431.0, 5491.0, 5559.0, 5396.0, 5595.0, 5425.0, 5647.0, 5372.0, 5493.0, 5307.0, 5354.0, 5262.0, 5419.0, 5282.0, 5530.0, 5349.0, 5270.0, 5408.0, 5588.0, 5345.0, 5420.0, 5272.0, 5547.0, 5684.0, 5277.0, 5655.0, 5353.0, 5365.0, 5604.0, 5259.0, 5718.0, 5617.0, 5577.0, 5697.0, 5290.0, 5356.0 (number of hits: 13)
11	5530.0	9	1.0	333	1	5618.0, 5625.0, 5425.0, 5714.0, 5415.0, 5585.0, 5326.0, 5343.0, 5437.0, 5583.0, 5332.0, 5338.0, 5320.0, 5330.0, 5580.0, 5621.0, 5417.0, 5504.0, 5632.0, 5355.0, 5379.0, 5696.0, 5633.0, 5282.0, 5348.0, 5324.0, 5622.0, 5468.0, 5300.0, 5472.0, 5271.0, 5584.0, 5309.0, 5510.0, 5487.0, 5405.0, 5442.0, 5445.0, 5268.0, 5291.0, 5656.0, 5500.0, 5434.0, 5492.0, 5587.0, 5509.0, 5366.0, 5477.0, 5407.0, 5465.0, 5311.0, 5595.0, 5547.0, 5296.0, 5721.0, 5533.0, 5692.0, 5620.0, 5609.0, 5495.0, 5530.0, 5673.0, 5411.0, 5420.0, 5546.0, 5598.0, 5630.0, 5414.0, 5288.0, 5627.0, 5517.0, 5606.0, 5572.0, 5680.0, 5396.0, 5344.0, 5693.0, 5651.0, 5427.0, 5426.0, 5644.0, 5653.0, 5480.0, 5524.0, 5719.0, 5589.0, 5371.0, 5481.0, 5362.0, 5287.0, 5555.0, 5521.0, 5532.0, 5262.0, 5350.0, 5403.0, 5474.0, 5515.0, 5576.0, 5329.0 (number of hits: 16)
12	5530.0	9	1.0	333	1	5402.0, 5499.0, 5437.0, 5420.0, 5347.0, 5671.0, 5612.0, 5374.0, 5427.0, 5300.0, 5494.0, 5291.0, 5456.0, 5356.0, 5483.0, 5274.0, 5366.0, 5425.0, 5386.0, 5465.0, 5445.0, 5533.0, 5660.0, 5360.0, 5527.0, 5637.0, 5441.0, 5371.0, 5298.0, 5585.0, 5610.0, 5339.0, 5271.0, 5662.0, 5667.0, 5701.0, 5303.0, 5683.0, 5373.0, 5259.0, 5340.0, 5477.0, 5708.0, 5378.0, 5552.0, 5557.0, 5528.0, 5556.0, 5387.0, 5577.0, 5587.0, 5284.0, 5349.0, 5581.0, 5562.0, 5630.0, 5665.0, 5431.0, 5519.0, 5553.0, 5579.0, 5649.0, 5497.0, 5613.0, 5383.0, 5647.0, 5460.0, 5676.0, 5529.0, 5310.0, 5651.0, 5685.0, 5530.0, 5332.0, 5462.0, 5564.0, 5469.0, 5422.0, 5591.0, 5412.0, 5394.0, 5294.0, 5283.0, 5327.0, 5642.0, 5614.0, 5478.0, 5488.0, 5576.0, 5601.0, 5656.0, 5666.0, 5278.0, 5453.0, 5341.0, 5703.0, 5256.0, 5447.0, 5716.0, 5607.0 (number of hits: 15)
13	5530.0	9	1.0	333	1	5301.0, 5714.0, 5457.0, 5520.0, 5494.0, 5448.0, 5532.0, 5343.0, 5384.0, 5280.0, 5590.0, 5292.0, 5306.0, 5646.0, 5413.0, 5500.0, 5543.0, 5378.0, 5560.0, 5514.0, 5468.0, 5313.0, 5614.0, 5312.0, 5497.0, 5417.0, 5315.0, 5618.0, 5595.0, 5601.0, 5705.0, 5276.0, 5591.0, 5621.0, 5271.0, 5295.0, 5607.0, 5475.0, 5389.0, 5655.0, 5288.0, 5539.0, 5476.0, 5321.0, 5525.0, 5269.0, 5465.0, 5641.0, 5336.0, 5722.0, 5333.0, 5363.0, 5517.0, 5675.0, 5415.0, 5485.0, 5617.0, 5586.0, 5449.0, 5506.0, 5291.0, 5458.0, 5711.0, 5589.0, 5663.0, 5598.0, 5401.0, 5456.0, 5633.0, 5566.0, 5406.0, 5340.0, 5469.0, 5692.0, 5707.0, 5452.0, 5666.0, 5544.0, 5369.0, 5639.0, 5634.0, 5375.0, 5371.0, 5274.0, 5721.0, 5266.0, 5434.0, 5716.0, 5699.0, 5324.0, 5681.0, 5416.0, 5668.0, 5388.0, 5647.0, 5323.0, 5540.0, 5479.0, 5348.0, 5423.0 (number of hits: 15)
14	5530.0	9	1.0	333	1	5578.0, 5343.0, 5511.0, 5455.0, 5400.0, 5322.0, 5666.0, 5601.0, 5704.0, 5655.0, 5361.0, 5377.0, 5514.0, 5496.0, 5530.0, 5420.0, 5716.0, 5717.0, 5375.0, 5557.0, 5404.0, 5466.0, 5396.0, 5408.0, 5271.0, 5591.0, 5544.0, 5651.0, 5300.0, 5418.0, 5664.0, 5562.0, 5295.0, 5510.0, 5482.0, 5267.0, 5558.0, 5653.0, 5504.0, 5350.0, 5534.0, 5319.0, 5697.0, 5686.0, 5470.0, 5627.0, 5531.0, 5280.0, 5606.0, 5337.0, 5556.0, 5564.0, 5457.0, 5631.0, 5355.0, 5475.0, 5633.0, 5399.0, 5312.0, 5596.0, 5547.0, 5279.0, 5410.0, 5413.0, 5625.0, 5535.0, 5679.0, 5709.0, 5522.0, 5293.0, 5397.0, 5367.0, 5357.0, 5452.0, 5290.0, 5409.0, 5604.0, 5722.0, 5542.0, 5719.0, 5643.0, 5317.0, 5691.0, 5592.0, 5598.0, 5302.0, 5574.0, 5687.0,

						5467.0, 5680.0, 5551.0, 5272.0, 5642.0, 5379.0, 5389.0, 5720.0, 5665.0, 5637.0, 5648.0, 5392.0 (number of hits: 19)
15	5530.0	9	1.0	333	1	5337.0, 5615.0, 5638.0, 5520.0, 5671.0, 5442.0, 5512.0, 5311.0, 5273.0, 5274.0, 5701.0, 5344.0, 5636.0, 5427.0, 5490.0, 5622.0, 5547.0, 5313.0, 5495.0, 5454.0, 5590.0, 5612.0, 5610.0, 5279.0, 5643.0, 5436.0, 5627.0, 5571.0, 5334.0, 5477.0, 5539.0, 5433.0, 5441.0, 5271.0, 5704.0, 5378.0, 5531.0, 5496.0, 5398.0, 5383.0, 5525.0, 5659.0, 5471.0, 5519.0, 5685.0, 5359.0, 5503.0, 5716.0, 5502.0, 5294.0, 5552.0, 5450.0, 5402.0, 5297.0, 5677.0, 5386.0, 5440.0, 5493.0, 5315.0, 5363.0, 5268.0, 5635.0, 5680.0, 5518.0, 5561.0, 5270.0, 5617.0, 5267.0, 5514.0, 5551.0, 5508.0, 5705.0, 5577.0, 5304.0, 5695.0, 5258.0, 5556.0, 5438.0, 5682.0, 5690.0, 5287.0, 5668.0, 5599.0, 5572.0, 5351.0, 5365.0, 5339.0, 5326.0, 5314.0, 5722.0, 5463.0, 5260.0, 5613.0, 5435.0, 5370.0, 5528.0, 5284.0, 5529.0, 5595.0, 5611.0 (number of hits: 21)
16	5530.0	9	1.0	333	1	5454.0, 5252.0, 5328.0, 5320.0, 5686.0, 5687.0, 5450.0, 5285.0, 5587.0, 5389.0, 5278.0, 5310.0, 5388.0, 5475.0, 5509.0, 5305.0, 5468.0, 5308.0, 5403.0, 5387.0, 5546.0, 5630.0, 5671.0, 5482.0, 5595.0, 5682.0, 5712.0, 5419.0, 5435.0, 5374.0, 5541.0, 5279.0, 5653.0, 5656.0, 5707.0, 5508.0, 5568.0, 5269.0, 5705.0, 5433.0, 5318.0, 5496.0, 5477.0, 5699.0, 5362.0, 5636.0, 5401.0, 5574.0, 5515.0, 5520.0, 5281.0, 5501.0, 5702.0, 5706.0, 5535.0, 5718.0, 5597.0, 5344.0, 5521.0, 5349.0, 5526.0, 5503.0, 5339.0, 5351.0, 5697.0, 5425.0, 5367.0, 5402.0, 5440.0, 5531.0, 5293.0, 5448.0, 5538.0, 5384.0, 5315.0, 5325.0, 5294.0, 5296.0, 5429.0, 5306.0, 5409.0, 5562.0, 5474.0, 5504.0, 5554.0, 5426.0, 5463.0, 5566.0, 5410.0, 5487.0, 5453.0, 5266.0, 5510.0, 5571.0, 5681.0, 5651.0, 5332.0, 5267.0, 5262.0, 5251.0 (number of hits: 19)
17	5530.0	9	1.0	333	1	5403.0, 5399.0, 5520.0, 5604.0, 5260.0, 5404.0, 5607.0, 5287.0, 5461.0, 5438.0, 5488.0, 5630.0, 5375.0, 5462.0, 5558.0, 5458.0, 5535.0, 5500.0, 5430.0, 5618.0, 5718.0, 5662.0, 5252.0, 5582.0, 5699.0, 5612.0, 5615.0, 5445.0, 5519.0, 5634.0, 5352.0, 5267.0, 5261.0, 5715.0, 5697.0, 5549.0, 5364.0, 5466.0, 5642.0, 5401.0, 5380.0, 5669.0, 5418.0, 5652.0, 5655.0, 5539.0, 5665.0, 5447.0, 5660.0, 5477.0, 5319.0, 5689.0, 5279.0, 5672.0, 5597.0, 5629.0, 5683.0, 5692.0, 5548.0, 5446.0, 5674.0, 5280.0, 5666.0, 5564.0, 5638.0, 5400.0, 5533.0, 5700.0, 5303.0, 5277.0, 5473.0, 5611.0, 5402.0, 5469.0, 5668.0, 5525.0, 5386.0, 5405.0, 5577.0, 5708.0, 5507.0, 5443.0, 5452.0, 5646.0, 5622.0, 5398.0, 5460.0, 5299.0, 5408.0, 5579.0, 5272.0, 5606.0, 5356.0, 5673.0, 5590.0, 5357.0, 5374.0, 5407.0, 5263.0, 5339.0 (number of hits: 12)
18	5530.0	9	1.0	333	1	5503.0, 5293.0, 5273.0, 5710.0, 5257.0, 5635.0, 5697.0, 5641.0, 5468.0, 5619.0, 5511.0, 5562.0, 5396.0, 5381.0, 5644.0, 5721.0, 5470.0, 5465.0, 5556.0, 5540.0, 5702.0, 5345.0, 5508.0, 5301.0, 5442.0, 5558.0, 5307.0, 5621.0, 5412.0, 5603.0, 5276.0, 5719.0, 5642.0, 5512.0, 5461.0, 5546.0, 5654.0, 5417.0, 5524.0, 5438.0, 5252.0, 5714.0, 5553.0, 5284.0, 5353.0, 5664.0, 5388.0, 5423.0, 5429.0, 5544.0, 5571.0, 5609.0, 5400.0, 5391.0, 5639.0, 5389.0, 5274.0, 5275.0, 5506.0, 5501.0, 5366.0, 5368.0, 5649.0, 5260.0, 5679.0, 5523.0, 5596.0, 5321.0, 5339.0, 5285.0, 5463.0, 5460.0, 5521.0, 5306.0, 5669.0, 5604.0, 5674.0, 5509.0, 5528.0, 5425.0, 5587.0, 5655.0, 5526.0, 5262.0, 5449.0, 5335.0, 5500.0, 5322.0, 5416.0, 5317.0, 5456.0, 5336.0, 5608.0, 5361.0, 5390.0, 5539.0, 5582.0, 5638.0, 5720.0, 5473.0 (number of hits: 21)
19	5530.0	9	1.0	333	1	5503.0, 5600.0, 5611.0, 5528.0, 5353.0, 5254.0, 5311.0, 5352.0, 5660.0, 5623.0, 5447.0, 5689.0, 5656.0, 5646.0, 5692.0, 5400.0, 5580.0, 5610.0, 5523.0, 5401.0, 5662.0, 5305.0, 5432.0, 5644.0, 5540.0, 5426.0, 5275.0, 5673.0, 5469.0, 5583.0, 5289.0, 5565.0, 5651.0, 5320.0, 5403.0, 5405.0, 5581.0, 5465.0, 5375.0, 5667.0, 5530.0, 5461.0, 5333.0, 5363.0, 5708.0, 5531.0, 5617.0, 5293.0, 5594.0, 5482.0, 5252.0, 5533.0, 5507.0, 5356.0, 5480.0, 5693.0, 5573.0, 5578.0, 5262.0, 5422.0, 5679.0, 5587.0, 5638.0, 5543.0,

						5546.0, 5627.0, 5670.0, 5274.0, 5284.0, 5712.0, 5705.0, 5545.0, 5637.0, 5710.0, 5661.0, 5268.0, 5576.0, 5366.0, 5434.0, 5279.0, 5472.0, 5586.0, 5334.0, 5313.0, 5308.0, 5292.0, 5547.0, 5423.0, 5479.0, 5643.0, 5674.0, 5516.0, 5514.0, 5601.0, 5421.0, 5391.0, 5537.0, 5331.0, 5535.0, 5285.0 (number of hits: 17)
20	5530.0	9	1.0	333	1	5616.0, 5716.0, 5447.0, 5552.0, 5333.0, 5554.0, 5341.0, 5488.0, 5635.0, 5377.0, 5484.0, 5452.0, 5641.0, 5330.0, 5651.0, 5271.0, 5266.0, 5399.0, 5326.0, 5555.0, 5621.0, 5536.0, 5689.0, 5605.0, 5289.0, 5544.0, 5579.0, 5715.0, 5510.0, 5331.0, 5523.0, 5518.0, 5610.0, 5577.0, 5318.0, 5365.0, 5557.0, 5253.0, 5721.0, 5448.0, 5592.0, 5520.0, 5262.0, 5570.0, 5711.0, 5438.0, 5406.0, 5653.0, 5718.0, 5323.0, 5598.0, 5481.0, 5584.0, 5286.0, 5461.0, 5649.0, 5387.0, 5674.0, 5722.0, 5561.0, 5398.0, 5560.0, 5675.0, 5567.0, 5543.0, 5479.0, 5310.0, 5578.0, 5719.0, 5713.0, 5603.0, 5343.0, 5535.0, 5385.0, 5431.0, 5361.0, 5652.0, 5596.0, 5617.0, 5368.0, 5509.0, 5383.0, 5439.0, 5691.0, 5497.0, 5513.0, 5436.0, 5492.0, 5376.0, 5334.0, 5647.0, 5297.0, 5714.0, 5358.0, 5551.0, 5435.0, 5533.0, 5663.0, 5548.0, 5576.0 (number of hits: 22)
21	5530.0	9	1.0	333	1	5307.0, 5296.0, 5648.0, 5589.0, 5628.0, 5310.0, 5608.0, 5269.0, 5595.0, 5580.0, 5503.0, 5527.0, 5289.0, 5358.0, 5261.0, 5469.0, 5676.0, 5686.0, 5393.0, 5278.0, 5370.0, 5386.0, 5255.0, 5291.0, 5473.0, 5271.0, 5603.0, 5388.0, 5412.0, 5352.0, 5539.0, 5622.0, 5318.0, 5373.0, 5430.0, 5522.0, 5391.0, 5281.0, 5653.0, 5560.0, 5711.0, 5298.0, 5333.0, 5448.0, 5328.0, 5264.0, 5597.0, 5693.0, 5596.0, 5508.0, 5438.0, 5305.0, 5383.0, 5678.0, 5504.0, 5450.0, 5436.0, 5549.0, 5494.0, 5535.0, 5703.0, 5251.0, 5277.0, 5523.0, 5314.0, 5470.0, 5364.0, 5360.0, 5548.0, 5292.0, 5332.0, 5354.0, 5322.0, 5695.0, 5705.0, 5457.0, 5531.0, 5313.0, 5716.0, 5684.0, 5512.0, 5515.0, 5398.0, 5571.0, 5661.0, 5481.0, 5570.0, 5467.0, 5585.0, 5646.0, 5343.0, 5665.0, 5400.0, 5572.0, 5491.0, 5659.0, 5276.0, 5636.0, 5532.0, 5397.0 (number of hits: 16)
22	5530.0	9	1.0	333	1	5266.0, 5657.0, 5571.0, 5258.0, 5507.0, 5717.0, 5399.0, 5435.0, 5691.0, 5368.0, 5308.0, 5623.0, 5515.0, 5608.0, 5412.0, 5390.0, 5324.0, 5294.0, 5469.0, 5484.0, 5614.0, 5317.0, 5595.0, 5369.0, 5377.0, 5583.0, 5702.0, 5436.0, 5597.0, 5624.0, 5610.0, 5429.0, 5592.0, 5611.0, 5582.0, 5363.0, 5600.0, 5350.0, 5373.0, 5414.0, 5566.0, 5532.0, 5533.0, 5689.0, 5546.0, 5630.0, 5685.0, 5502.0, 5415.0, 5325.0, 5658.0, 5545.0, 5411.0, 5419.0, 5464.0, 5518.0, 5705.0, 5292.0, 5257.0, 5552.0, 5503.0, 5480.0, 5304.0, 5302.0, 5541.0, 5332.0, 5476.0, 5387.0, 5615.0, 5434.0, 5334.0, 5256.0, 5572.0, 5268.0, 5366.0, 5574.0, 5343.0, 5389.0, 5479.0, 5570.0, 5431.0, 5295.0, 5673.0, 5272.0, 5345.0, 5652.0, 5527.0, 5410.0, 5300.0, 5466.0, 5639.0, 5723.0, 5253.0, 5700.0, 5470.0, 5309.0, 5281.0, 5452.0, 5651.0, 5473.0 (number of hits: 13)
23	5530.0	9	1.0	333	1	5447.0, 5466.0, 5370.0, 5504.0, 5315.0, 5587.0, 5423.0, 5624.0, 5555.0, 5358.0, 5439.0, 5683.0, 5498.0, 5645.0, 5496.0, 5322.0, 5492.0, 5510.0, 5582.0, 5526.0, 5475.0, 5518.0, 5378.0, 5520.0, 5581.0, 5279.0, 5560.0, 5607.0, 5258.0, 5658.0, 5255.0, 5594.0, 5251.0, 5632.0, 5440.0, 5325.0, 5445.0, 5346.0, 5457.0, 5359.0, 5488.0, 5433.0, 5281.0, 5278.0, 5262.0, 5661.0, 5464.0, 5599.0, 5309.0, 5647.0, 5342.0, 5454.0, 5287.0, 5650.0, 5465.0, 5534.0, 5286.0, 5254.0, 5646.0, 5694.0, 5387.0, 5572.0, 5623.0, 5462.0, 5486.0, 5366.0, 5544.0, 5282.0, 5583.0, 5476.0, 5453.0, 5613.0, 5362.0, 5455.0, 5641.0, 5697.0, 5450.0, 5410.0, 5578.0, 5531.0, 5686.0, 5621.0, 5320.0, 5435.0, 5470.0, 5698.0, 5596.0, 5458.0, 5563.0, 5706.0, 5353.0, 5708.0, 5703.0, 5271.0, 5506.0, 5494.0, 5704.0, 5712.0, 5428.0, 5627.0 (number of hits: 16)
24	5530.0	9	1.0	333	1	5401.0, 5536.0, 5576.0, 5279.0, 5722.0, 5666.0, 5573.0, 5272.0, 5484.0, 5709.0, 5710.0, 5342.0, 5273.0, 5598.0, 5262.0, 5611.0, 5607.0, 5457.0, 5580.0, 5498.0, 5675.0, 5603.0, 5705.0, 5292.0, 5680.0, 5626.0, 5568.0, 5699.0, 5509.0, 5284.0, 5651.0, 5518.0, 5534.0, 5411.0, 5679.0, 5358.0, 5592.0, 5365.0, 5347.0, 5685.0,

						5579.0, 5302.0, 5296.0, 5295.0, 5604.0, 5251.0, 5588.0, 5684.0, 5253.0, 5702.0, 5683.0, 5348.0, 5418.0, 5667.0, 5507.0, 5502.0, 5591.0, 5608.0, 5543.0, 5497.0, 5361.0, 5362.0, 5662.0, 5306.0, 5529.0, 5480.0, 5510.0, 5308.0, 5448.0, 5643.0, 5429.0, 5396.0, 5369.0, 5560.0, 5632.0, 5596.0, 5625.0, 5414.0, 5430.0, 5264.0, 5380.0, 5309.0, 5383.0, 5256.0, 5424.0, 5619.0, 5721.0, 5695.0, 5556.0, 5713.0, 5692.0, 5434.0, 5519.0, 5503.0, 5437.0, 5550.0, 5673.0, 5307.0, 5297.0, 5506.0 (number of hits: 17)
25	5530.0	9	1.0	333	1	5704.0, 5663.0, 5469.0, 5600.0, 5433.0, 5312.0, 5681.0, 5323.0, 5274.0, 5495.0, 5653.0, 5515.0, 5636.0, 5513.0, 5472.0, 5589.0, 5659.0, 5627.0, 5414.0, 5687.0, 5434.0, 5655.0, 5362.0, 5334.0, 5294.0, 5694.0, 5345.0, 5717.0, 5466.0, 5618.0, 5696.0, 5482.0, 5716.0, 5426.0, 5445.0, 5339.0, 5364.0, 5395.0, 5480.0, 5523.0, 5532.0, 5487.0, 5263.0, 5470.0, 5520.0, 5406.0, 5558.0, 5531.0, 5485.0, 5702.0, 5458.0, 5273.0, 5599.0, 5611.0, 5721.0, 5444.0, 5346.0, 5304.0, 5418.0, 5367.0, 5559.0, 5281.0, 5649.0, 5560.0, 5722.0, 5582.0, 5526.0, 5703.0, 5265.0, 5319.0, 5400.0, 5457.0, 5287.0, 5449.0, 5491.0, 5452.0, 5563.0, 5412.0, 5538.0, 5381.0, 5333.0, 5635.0, 5710.0, 5662.0, 5678.0, 5283.0, 5606.0, 5549.0, 5379.0, 5351.0, 5602.0, 5372.0, 5493.0, 5620.0, 5453.0, 5448.0, 5609.0, 5661.0, 5634.0, 5427.0 (number of hits: 15)
26	5530.0	9	1.0	333	1	5267.0, 5486.0, 5436.0, 5702.0, 5464.0, 5468.0, 5250.0, 5573.0, 5570.0, 5517.0, 5255.0, 5635.0, 5714.0, 5654.0, 5626.0, 5339.0, 5602.0, 5656.0, 5588.0, 5345.0, 5512.0, 5344.0, 5646.0, 5352.0, 5520.0, 5489.0, 5522.0, 5261.0, 5673.0, 5392.0, 5335.0, 5705.0, 5372.0, 5266.0, 5661.0, 5637.0, 5672.0, 5332.0, 5334.0, 5378.0, 5350.0, 5317.0, 5634.0, 5313.0, 5677.0, 5653.0, 5658.0, 5346.0, 5559.0, 5532.0, 5256.0, 5259.0, 5409.0, 5603.0, 5426.0, 5566.0, 5424.0, 5253.0, 5641.0, 5490.0, 5562.0, 5548.0, 5683.0, 5270.0, 5712.0, 5363.0, 5604.0, 5701.0, 5675.0, 5283.0, 5462.0, 5638.0, 5499.0, 5578.0, 5695.0, 5710.0, 5425.0, 5663.0, 5686.0, 5511.0, 5655.0, 5526.0, 5297.0, 5388.0, 5432.0, 5475.0, 5448.0, 5615.0, 5286.0, 5541.0, 5311.0, 5693.0, 5457.0, 5443.0, 5623.0, 5480.0, 5667.0, 5292.0, 5385.0, 5321.0 (number of hits: 13)
27	5530.0	9	1.0	333	1	5432.0, 5604.0, 5279.0, 5608.0, 5436.0, 5435.0, 5622.0, 5601.0, 5600.0, 5663.0, 5400.0, 5662.0, 5538.0, 5555.0, 5599.0, 5613.0, 5445.0, 5468.0, 5285.0, 5356.0, 5386.0, 5373.0, 5252.0, 5722.0, 5354.0, 5364.0, 5395.0, 5385.0, 5481.0, 5282.0, 5573.0, 5652.0, 5510.0, 5678.0, 5714.0, 5258.0, 5460.0, 5306.0, 5660.0, 5516.0, 5553.0, 5389.0, 5535.0, 5486.0, 5539.0, 5307.0, 5610.0, 5450.0, 5680.0, 5334.0, 5492.0, 5609.0, 5478.0, 5324.0, 5315.0, 5627.0, 5505.0, 5543.0, 5417.0, 5483.0, 5266.0, 5619.0, 5339.0, 5668.0, 5254.0, 5710.0, 5630.0, 5304.0, 5579.0, 5332.0, 5384.0, 5494.0, 5721.0, 5272.0, 5497.0, 5456.0, 5487.0, 5407.0, 5529.0, 5689.0, 5655.0, 5594.0, 5313.0, 5634.0, 5378.0, 5518.0, 5319.0, 5636.0, 5691.0, 5464.0, 5455.0, 5255.0, 5423.0, 5575.0, 5394.0, 5698.0, 5303.0, 5281.0, 5392.0, 5651.0 (number of hits: 14)
28	5530.0	9	1.0	333	1	5633.0, 5315.0, 5457.0, 5542.0, 5543.0, 5630.0, 5405.0, 5571.0, 5601.0, 5428.0, 5384.0, 5321.0, 5396.0, 5699.0, 5584.0, 5304.0, 5698.0, 5628.0, 5594.0, 5291.0, 5412.0, 5519.0, 5325.0, 5420.0, 5556.0, 5322.0, 5429.0, 5465.0, 5397.0, 5658.0, 5423.0, 5522.0, 5579.0, 5529.0, 5441.0, 5288.0, 5537.0, 5449.0, 5314.0, 5486.0, 5538.0, 5439.0, 5381.0, 5313.0, 5669.0, 5407.0, 5336.0, 5290.0, 5502.0, 5293.0, 5355.0, 5661.0, 5408.0, 5662.0, 5329.0, 5693.0, 5413.0, 5305.0, 5400.0, 5647.0, 5386.0, 5480.0, 5294.0, 5598.0, 5690.0, 5448.0, 5414.0, 5453.0, 5567.0, 5664.0, 5345.0, 5324.0, 5398.0, 5446.0, 5718.0, 5532.0, 5319.0, 5505.0, 5640.0, 5638.0, 5596.0, 5471.0, 5417.0, 5450.0, 5580.0, 5310.0, 5591.0, 5569.0, 5346.0, 5621.0, 5451.0, 5281.0, 5547.0, 5589.0, 5637.0, 5300.0, 5477.0, 5483.0, 5494.0, 5437.0 (number of hits: 14)
29	5530.0	9	1.0	333	1	5680.0, 5569.0, 5556.0, 5690.0, 5523.0, 5449.0, 5499.0, 5713.0, 5451.0, 5601.0, 5378.0, 5608.0, 5619.0, 5446.0, 5447.0, 5286.0,

						5594.0, 5348.0, 5413.0, 5698.0, 5639.0, 5717.0, 5562.0, 5599.0, 5552.0, 5600.0, 5622.0, 5477.0, 5650.0, 5699.0, 5371.0, 5387.0, 5311.0, 5588.0, 5481.0, 5703.0, 5518.0, 5486.0, 5560.0, 5706.0, 5392.0, 5584.0, 5691.0, 5686.0, 5510.0, 5381.0, 5575.0, 5330.0, 5323.0, 5624.0, 5370.0, 5465.0, 5440.0, 5516.0, 5498.0, 5472.0, 5632.0, 5568.0, 5411.0, 5615.0, 5541.0, 5576.0, 5524.0, 5328.0, 5408.0, 5412.0, 5393.0, 5664.0, 5264.0, 5480.0, 5582.0, 5340.0, 5401.0, 5317.0, 5418.0, 5362.0, 5673.0, 5470.0, 5430.0, 5667.0, 5469.0, 5655.0, 5607.0, 5407.0, 5704.0, 5636.0, 5253.0, 5285.0, 5479.0, 5537.0, 5642.0, 5297.0, 5345.0, 5612.0, 5351.0, 5339.0, 5434.0, 5396.0, 5722.0, 5674.0 (number of hits: 13)
30	5530.0	9	1.0	333	1	5382.0, 5339.0, 5582.0, 5313.0, 5465.0, 5680.0, 5592.0, 5515.0, 5481.0, 5694.0, 5505.0, 5298.0, 5489.0, 5721.0, 5327.0, 5261.0, 5284.0, 5346.0, 5427.0, 5375.0, 5268.0, 5685.0, 5353.0, 5618.0, 5434.0, 5252.0, 5522.0, 5549.0, 5632.0, 5590.0, 5593.0, 5518.0, 5687.0, 5542.0, 5653.0, 5494.0, 5556.0, 5437.0, 5253.0, 5466.0, 5540.0, 5444.0, 5337.0, 5371.0, 5712.0, 5440.0, 5308.0, 5558.0, 5291.0, 5460.0, 5451.0, 5430.0, 5471.0, 5445.0, 5415.0, 5367.0, 5503.0, 5409.0, 5579.0, 5595.0, 5270.0, 5297.0, 5448.0, 5571.0, 5324.0, 5539.0, 5359.0, 5561.0, 5655.0, 5570.0, 5574.0, 5666.0, 5314.0, 5484.0, 5700.0, 5459.0, 5292.0, 5376.0, 5432.0, 5384.0, 5608.0, 5577.0, 5360.0, 5662.0, 5488.0, 5299.0, 5336.0, 5305.0, 5477.0, 5553.0, 5331.0, 5499.0, 5410.0, 5529.0, 5401.0, 5254.0, 5718.0, 5485.0, 5631.0, 5547.0 (number of hits: 17)

P2P Mode
Pine Radio

5570 MHz, 160 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	100 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate (Type1 to 4)	120	94.2 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	78	1.0	678	1
2	95	1.0	558	0
3	63	1.0	838	1
4	65	1.0	818	1
5	18	1.0	3066	1
6	102	1.0	518	1
7	76	1.0	698	1
8	67	1.0	798	1
9	68	1.0	778	1
10	81	1.0	658	1
11	86	1.0	618	1
12	83	1.0	638	1
13	70	1.0	758	1
14	58	1.0	918	1
15	59	1.0	898	1
16	33	1.0	1631	1
17	69	1.0	766	1
18	56	1.0	951	1
19	43	1.0	1252	1
20	54	1.0	984	1
21	31	1.0	1729	1
22	32	1.0	1673	1
23	23	1.0	2331	1
24	58	1.0	919	1
25	35	1.0	1547	1
26	59	1.0	906	1
27	18	1.0	3059	1
28	39	1.0	1379	1
29	63	1.0	842	1
30	52	1.0	1016	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	28	1.0	200	1
2	23	4.1	180	1
3	25	4.9	213	1
4	23	1.1	219	1
5	28	2.8	186	1
6	23	4.8	201	1
7	24	1.7	192	1
8	28	4.1	176	1
9	26	4.3	170	1
10	25	4.3	178	1
11	28	1.2	207	1
12	23	1.0	170	1
13	26	2.5	230	1
14	23	1.1	226	1
15	23	3.2	209	1
16	23	2.0	191	1
17	26	1.3	210	1
18	25	2.1	230	1
19	26	2.1	187	1
20	25	1.5	200	1
21	28	1.9	228	1
22	26	3.6	212	1
23	27	4.3	161	1
24	29	1.5	207	1
25	27	2.3	219	1
26	29	1.9	221	1
27	24	4.4	176	1
28	23	2.4	201	1
29	25	1.2	183	1
30	29	1.5	228	1
Detection Percentage: 100 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	8.8	210	1
2	17	7.3	293	1
3	17	9.2	344	1
4	16	9.4	234	1
5	17	9.2	440	1
6	16	10.0	336	1
7	16	9.9	273	1
8	17	9.0	378	1
9	17	9.7	479	1
10	17	7.3	231	1
11	18	7.1	340	0
12	18	9.5	412	0
13	18	6.8	379	0
14	18	6.6	407	1
15	16	7.3	378	1
16	17	7.7	475	1
17	16	7.7	474	1
18	16	8.4	467	1
19	18	8.4	269	0
20	18	9.0	372	1
21	17	8.9	376	1
22	17	7.3	491	1
23	18	6.7	230	1
24	17	8.4	488	1
25	18	7.4	432	1
26	18	9.6	451	1
27	17	7.8	302	1
28	16	8.8	384	1
29	17	6.3	306	1
30	16	6.9	351	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	11.8	347	1
2	16	17.7	254	1
3	14	19.0	363	1
4	15	14.5	497	1
5	13	14.8	207	1
6	16	11.7	323	1
7	12	18.1	465	1
8	14	14.6	292	1
9	12	18.2	490	1
10	13	13.9	253	1
11	15	13.6	254	1
12	13	13.4	209	1
13	12	11.2	444	1
14	16	11.4	494	1
15	12	13.9	351	1
16	15	13.5	429	1
17	13	14.0	382	0
18	12	14.6	476	1
19	12	16.9	401	1
20	16	15.8	239	1
21	14	11.4	339	1
22	13	19.6	222	0
23	12	18.3	482	1
24	15	17.8	394	1
25	12	19.3	203	1
26	13	19.5	233	1
27	14	15.7	444	1
28	14	17.8	370	1
29	12	16.6	410	1
30	15	16.6	353	1
Detection Percentage: 93.3 % (>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	1
7	5570	1
8	5570	1
9	5570	1
10	5570	1
11	5498.4	1
12	5502.0	1
13	5499.6	1
14	5498.4	1
15	5502.4	1
16	5499.6	1
17	5498.8	1
18	5502.8	1
19	5502.0	1
20	5503.2	1
21	5638.4	1
22	5636.8	1
23	5639.6	1
24	5639.2	1
25	5637.6	1
26	5637.6	1
27	5638.4	1
28	5641.2	1
29	5639.2	1
30	5639.2	1
Detection Percentage: 100 % (>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	11	68.7	1583	1269	0.284813	1
1	3	11	50.7	1218	1584	2.413840	
2	1	11	55.0			2.913732	
3	2	11	81.4	1581		4.749169	
4	3	11	59.7	1971	1029	5.367205	
5	2	11	53.6	1457		6.825238	
6	1	11	51.3			8.238437	
7	3	11	65.8	1692	1275	9.506781	
8	3	11	92.2	1138	1832	10.703343	

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	6	85.3	1781		0.064097	1
1	3	6	55.2	1592	1246	1.884570	
2	3	6	64.5	1254	1316	2.842769	
3	3	6	81.1	1036	1636	4.205541	
4	2	6	91.8	1161		5.675300	
5	3	6	52.0	1086	1503	6.869129	
6	2	6	74.2	1351		7.579597	
7	1	6	67.3			8.784056	
8	2	6	67.0	1016		10.743289	
9	2	6	56.0	1778		11.607030	

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	15	54.3	1868		0.655832	1
1	3	15	64.8	1727	1803	1.146244	
2	3	15	63.1	1035	1298	1.971928	
3	2	15	71.7	1815		2.541304	
4	1	15	84.8			3.699764	
5	2	15	65.1	1868		3.894544	
6	2	15	94.2	1239		4.855306	
7	3	15	76.4	1180	1395	5.873674	
8	2	15	85.3	1086		6.253203	
9	2	15	71.8	1749		7.487520	
10	2	15	66.3	1713		8.074136	
11	3	15	55.2	1572	1212	8.396541	
12	1	15	64.9			9.123393	
13	2	15	91.4	1371		10.481419	
14	2	15	50.1	1397		10.531248	
15	1	15	81.8			11.924110	

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	97.3			0.627913	1
1	2	11	64.6	1351		1.399342	
2	2	11	92.3	1419		2.069623	
3	1	11	60.0			2.636824	
4	1	11	77.8			3.749270	
5	2	11	80.1	1587		4.116343	
6	1	11	77.0			5.499972	
7	2	11	98.4	1419		6.193558	
8	3	11	60.0	1817	1788	6.612671	
9	2	11	80.7	1350		7.442830	
10	1	11	96.0			8.555256	
11	1	11	91.2			9.196137	
12	3	11	55.3	1076	1785	10.138157	
13	3	11	64.8	1799	1759	10.511757	
14	2	11	85.9	1071		11.615252	

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	1	8	81.7			0.720593	1
1	3	8	85.2	1018	1981	1.157283	
2	1	8	76.2			2.169324	
3	2	8	80.9	1465		2.724835	
4	3	8	89.6	1904	1189	3.285847	
5	1	8	76.1			4.414681	
6	3	8	66.0	1694	1599	4.898913	
7	3	8	71.7	1284	1132	5.913915	
8	1	8	90.0			6.689151	
9	2	8	99.7	1884		7.337756	
10	3	8	52.3	1646	1967	8.211160	
11	2	8	92.9	1115		8.564442	
12	2	8	95.1	1851		9.379369	
13	2	8	59.1	1855		10.012104	
14	2	8	59.0	1818		10.999097	
15	2	8	95.0	1721		11.535855	

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	16	62.1	1652	1663	0.103940	1
1	2	16	67.8	1683		1.682771	
2	1	16	82.9			2.398710	
3	2	16	86.1	1174		2.933296	
4	2	16	65.3	1288		4.081698	
5	1	16	80.8			4.743418	
6	2	16	85.7	1316		5.850573	
7	2	16	92.5	1765		6.794060	
8	3	16	82.8	1566	1711	7.588752	
9	3	16	57.2	1322	1224	7.785187	
10	2	16	89.3	1321		8.739795	
11	1	16	70.2			9.789075	
12	1	16	81.3			10.477827	
13	2	16	93.3	1850		11.561170	

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	12	50.5	1849		0.532658	1
1	2	12	91.1	1588		1.105334	
2	2	12	50.7	1620		1.342547	
3	2	12	56.6	1316		2.295299	
4	2	12	93.4	1170		2.964066	
5	2	12	77.6	1603		3.196835	
6	2	12	97.3	1169		3.902077	
7	1	12	51.7			4.205857	
8	2	12	88.3	1269		4.985552	
9	2	12	85.8	1717		5.871770	
10	1	12	95.0			6.015505	
11	1	12	50.9			7.069053	
12	2	12	69.4	1836		7.330458	
13	2	12	67.8	1569		7.843626	
14	2	12	56.0	1177		8.644270	
15	2	12	78.8	1689		9.006744	
16	3	12	86.3	1081	1608	9.615736	
17	2	12	50.1	1866		10.622284	
18	3	12	93.9	1610	1533	11.090353	
19	3	12	96.1	1095	1019	11.435485	

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	15	93.1	1338		0.533440	1
1	2	15	77.2	1142		1.385284	
2	3	15	96.5	1205	1294	3.822769	
3	3	15	92.5	1367	1664	4.758464	
4	2	15	85.1	1075		6.420140	
5	3	15	56.0	1077	1272	7.445501	
6	1	15	89.0			8.829065	
7	3	15	78.3	1958	1194	10.443016	
8	3	15	98.5	1092	1731	11.785465	

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	76.0			0.739961	1
1	2	16	53.5	1901		1.045033	
2	2	16	76.1	1877		2.105112	
3	3	16	78.8	1025	1598	2.635054	
4	2	16	54.5	1230		3.453477	
5	1	16	84.2			4.301893	
6	3	16	71.7	1034	1153	5.250489	
7	1	16	59.6			6.336864	
8	2	16	90.9	1811		6.958514	
9	3	16	91.7	1173	1645	8.068669	
10	1	16	50.6			8.677018	
11	2	16	65.0	1616		9.665635	
12	2	16	76.0	1325		10.859811	
13	3	16	71.0	1254	1190	11.251726	

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	13	73.4	1342		0.179254	1
1	3	13	79.9	1843	1046	1.934889	
2	1	13	55.9			2.634734	
3	3	13	52.5	1567	1668	4.674905	
4	1	13	78.8			5.842622	
5	1	13	92.7			6.869516	
6	2	13	56.2	1351		7.498530	
7	2	13	78.2	1675		8.458832	
8	2	13	61.7	1553		10.342572	
9	2	13	98.6	1723		11.278221	

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	6	77.0			0.326903	1
1	2	6	85.8	1432		1.174734	
2	3	6	99.3	1380	1200	2.036456	
3	1	6	56.5			2.548744	
4	3	6	84.6	1738	1056	3.609253	
5	3	6	52.0	1138	1242	4.291074	
6	2	6	86.7	1847		5.029008	
7	3	6	64.7	1671	1898	5.655905	
8	1	6	79.1			6.429011	
9	2	6	97.2	1687		7.129316	
10	3	6	69.2	1286	1431	7.535228	
11	2	6	94.6	1296		8.835458	
12	3	6	78.5	1023	1133	9.595054	
13	3	6	67.4	1176	1021	9.790559	
14	2	6	88.8	1010		11.040559	
15	2	6	83.4	1983		11.470406	

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	15	76.1			0.725900	1
1	2	15	94.9	1841		1.903884	
2	3	15	93.2	1352	1494	2.613336	
3	2	15	60.5	1215		3.819079	
4	2	15	80.5	1344		5.185726	
5	2	15	78.3	1513		6.229900	
6	2	15	76.3	1484		7.520038	
7	2	15	98.8	1314		7.719296	
8	2	15	80.6	1622		8.749505	
9	2	15	54.0	1788		10.587025	
10	2	15	74.9	1822		11.007181	

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	75.7			0.469911	1
1	1	9	84.9			0.923773	
2	1	9	57.0			1.612129	
3	3	9	80.4	1874	1625	2.305521	
4	1	9	98.4			3.609818	
5	3	9	88.0	1665	1856	4.254145	
6	2	9	82.4	1687		5.158780	
7	2	9	70.6	1835		5.465436	
8	1	9	73.5			6.508559	
9	2	9	77.7	1725		7.190108	
10	2	9	77.6	1811		8.160632	
11	1	9	64.4			8.992943	
12	2	9	69.7	1088		9.466609	
13	2	9	69.4	1550		10.111020	
14	1	9	75.8			11.177129	
15	2	9	75.4	1770		11.968467	

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	50.5	1223		0.270503	1
1	2	6	65.5	1592		1.576691	
2	2	6	55.6	1287		2.477427	
3	2	6	53.2	1171		3.983926	
4	3	6	67.6	1960	1561	4.542009	
5	2	6	57.3	1803		5.919638	
6	1	6	86.4			6.473556	
7	1	6	51.2			7.692615	
8	2	6	98.0	1257		8.305472	
9	3	6	62.9	1322	1731	9.045838	
10	2	6	72.1	1546		10.620075	
11	3	6	74.2	1868	1913	11.556770	

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	2	16	82.6	1281		0.196239	
1	1	16	77.0			1.150793	
2	2	16	98.0	1015		1.995972	
3	3	16	58.7	1280	1983	2.521910	
4	2	16	61.6	1465		3.589010	
5	2	16	63.2	1060		4.739474	
6	2	16	71.2	1415		4.894093	
7	2	16	99.7	1355		6.132556	1
8	2	16	69.8	1226		7.033618	
9	1	16	93.8			7.966618	
10	3	16	85.8	1210	1088	8.037208	
11	3	16	62.7	1670	1695	8.973057	
12	2	16	94.3	1562		10.151803	
13	3	16	82.9	1822	1554	11.113976	
14	2	16	51.5	1635		11.582938	

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	3	9	87.5	1297	1407	0.384324	
1	2	9	60.9	1272		1.591699	
2	1	9	95.5			2.160773	
3	3	9	67.5	1520	1192	2.900354	
4	3	9	56.5	1042	1640	3.577242	
5	1	9	68.3			4.184308	
6	3	9	95.9	1139	1593	5.395474	
7	2	9	88.5	1587		6.276260	1
8	2	9	61.6	1172		7.040250	
9	2	9	78.0	1720		7.783642	
10	2	9	66.5	1323		8.185205	
11	2	9	87.6	1173		9.591190	
12	2	9	66.7	1041		9.629159	
13	1	9	76.4			11.093867	
14	1	9	79.8			11.288066	

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	7	58.1	1743		0.716607	1
1	1	7	57.7			2.308273	
2	3	7	65.9	1083	1698	2.788619	
3	3	7	64.5	1666	1418	4.319661	
4	1	7	63.6			5.726431	
5	3	7	82.1	1363	1319	7.610662	
6	3	7	81.5	1045	1893	9.235733	
7	3	7	56.4	1731	1768	9.869075	
8	2	7	96.8	1662		11.030792	

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	97.1			0.238951	1
1	2	17	50.7	1348		1.877719	
2	1	17	67.2			2.903035	
3	2	17	54.1	1259		4.832238	
4	2	17	69.0	1494		5.410571	
5	2	17	52.7	1226		6.743355	
6	2	17	75.8	1763		8.641924	
7	3	17	84.0	1297	1576	9.424509	
8	2	17	96.5	1169		10.744968	

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	15	93.4	1145		0.128830	
1	2	15	85.8	1102		1.372042	
2	2	15	50.7	1147		2.564348	
3	2	15	63.5	1032		3.908010	
4	3	15	58.7	1962	1531	4.632679	
5	3	15	77.5	1406	1555	5.973192	1
6	3	15	57.9	1653	1477	7.627424	
7	3	15	64.1	1637	1358	7.796053	
8	2	15	67.5	1620		8.733281	
9	2	15	55.1	1308		10.247747	
10	2	15	69.0	1789		11.368187	

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	18	87.8	1828		0.312411	
1	2	18	93.7	1784		1.119576	
2	2	18	58.5	1911		2.337373	
3	2	18	59.6	1207		2.917723	
4	2	18	96.9	1880		3.901953	
5	1	18	54.6			5.069097	
6	1	18	67.8			5.891694	
7	3	18	83.4	1809	1812	6.180031	1
8	3	18	76.0	1575	1251	7.548107	
9	2	18	53.4	1222		8.261553	
10	3	18	63.9	1474	1366	8.892669	
11	1	18	65.5			9.705121	
12	2	18	70.9	1073		10.513979	
13	3	18	96.5	1593	1645	11.404101	

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	14	65.5	1690		0.491784	1
1	3	14	96.6	1909	1290	1.914119	
2	2	14	90.0	1011		3.506265	
3	3	14	74.7	1420	1204	3.650521	
4	1	14	94.6			4.910419	
5	2	14	98.1	1904		7.076515	
6	1	14	80.8			7.434453	
7	2	14	63.3	1568		9.427425	
8	1	14	71.0			9.734002	
9	1	14	65.4			11.005294	

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	62.7	1623	1682	0.274714	1
1	2	18	58.0	1874		1.217977	
2	2	18	64.6	1536		1.931987	
3	3	18	80.5	1540	1758	2.430278	
4	3	18	87.1	1094	1139	3.474658	
5	2	18	63.2	1880		3.867935	
6	2	18	67.6	1668		4.709858	
7	3	18	68.8	1475	1859	5.359600	
8	2	18	90.6	1157		5.993357	
9	2	18	58.4	1606		6.370738	
10	3	18	63.0	1158	1823	7.695521	
11	2	18	83.6	1182		8.230336	
12	3	18	68.9	1317	1622	9.028338	
13	3	18	62.0	1214	1458	9.844328	
14	2	18	97.9	1474		10.540665	
15	1	18	61.1			10.704283	
16	1	18	57.6			11.485280	

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	11	64.0	1792	1940	0.616522	
1	1	11	98.6			0.986400	
2	1	11	57.4			1.618906	
3	2	11	98.4	1806		2.375709	
4	3	11	97.6	1943	1492	2.621915	
5	2	11	51.6	1470		3.334450	
6	2	11	75.1	1187		4.056773	
7	3	11	71.6	1493	1767	4.579365	
8	2	11	94.4	1882		5.462161	
9	1	11	94.2			5.754643	1
10	1	11	87.2			6.544050	
11	3	11	53.7	1082	1267	6.997354	
12	2	11	78.1	1789		7.898489	
13	1	11	61.7			8.382116	
14	2	11	54.6	1275		9.438367	
15	1	11	54.0			9.580757	
16	2	11	60.0	1544		10.250444	
17	1	11	78.7			11.011016	
18	2	11	70.3	1776		11.937430	

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	12	67.4			0.713259	
1	1	12	68.6			1.786577	
2	1	12	87.0			2.313079	
3	1	12	97.6			3.984132	
4	1	12	67.4			4.045552	
5	1	12	66.9			5.325261	
6	1	12	95.5			6.598650	1
7	3	12	94.0	1006	1418	7.373657	
8	1	12	71.2			8.918741	
9	1	12	68.1			9.859578	
10	1	12	66.0			10.797918	
11	3	12	89.9	1529	1541	11.290741	

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	98.5	1998		0.692399	1
1	3	16	61.6	1715	1945	1.178272	
2	2	16	54.1	1564		2.084176	
3	1	16	74.4			3.095586	
4	2	16	50.7	1842		3.897949	
5	2	16	70.7	1299		4.054288	
6	3	16	59.4	1684	1853	5.310689	
7	1	16	96.5			6.376254	
8	1	16	55.4			6.953545	
9	3	16	62.8	1990	1978	7.207852	
10	1	16	63.8			8.796768	
11	1	16	88.1			9.137880	
12	2	16	88.5	1624		9.729665	
13	2	16	71.7	1624		10.639106	
14	2	16	74.9	1949		11.532855	

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	16	88.8	1978	1335	0.926979	1
1	1	16	51.7			1.845407	
2	2	16	82.5	1442		3.101351	
3	2	16	89.9	1296		4.519558	
4	1	16	88.5			5.125628	
5	2	16	55.8	1199		6.324839	
6	2	16	83.8	1699		7.222080	
7	2	16	95.3	1435		9.546467	
8	1	16	75.7			9.618745	
9	2	16	51.1	1335		11.637698	

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	14	95.8	1589		0.533892	
1	2	14	99.3	1706		1.204421	
2	3	14	52.4	1639	1870	1.831517	
3	3	14	66.8	1074	1088	2.293118	
4	3	14	59.1	1635	1859	3.354089	
5	3	14	86.0	1362	1680	3.819606	
6	2	14	88.0	1574		4.645062	
7	3	14	99.8	1419	1332	5.008829	
8	1	14	70.8			6.203203	1
9	3	14	72.7	1091	1322	6.962669	
10	1	14	87.4			7.326834	
11	2	14	71.6	1624		8.460054	
12	2	14	83.8	1537		8.688732	
13	1	14	66.6			9.801582	
14	1	14	52.1			10.406647	
15	2	14	91.8	1214		10.653563	
16	2	14	88.1	1890		11.342997	

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	7	69.1	1015		0.082517	1
1	1	7	98.6			1.335495	
2	2	7	83.0	1553		2.378731	
3	2	7	97.5	1073		3.046073	
4	2	7	84.1	1057		4.871834	
5	1	7	89.8			5.069916	
6	2	7	87.8	1248		6.059024	
7	2	7	57.1	1044		7.699494	
8	2	7	79.7	1848		8.211439	
9	1	7	59.3			9.113725	
10	3	7	78.1	1573	1776	10.039759	
11	3	7	95.1	1631	1639	11.557623	

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	63.4	1666	1324	0.417456	1
1	2	12	54.2	1406		1.326699	
2	2	12	99.7	1422		2.236029	
3	3	12	71.2	1937	1247	2.642247	
4	3	12	89.4	1410	1771	3.518616	
5	3	12	57.4	1506	1832	4.763186	
6	2	12	58.7	1236		5.404173	
7	3	12	77.8	1786	1924	5.875186	
8	1	12	54.5			6.815271	
9	2	12	84.2	1634		7.446586	
10	3	12	98.4	1671	1023	8.406065	
11	1	12	62.3			8.855463	
12	3	12	60.5	1397	1965	9.776109	
13	3	12	76.6	1385	1199	11.178443	
14	2	12	68.6	1876		11.604835	

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	12	67.6	1777	1726	0.304632	
1	3	12	89.5	1237	1330	1.277627	
2	2	12	72.8	1413		1.919706	
3	2	12	57.6	1371		3.572844	
4	1	12	85.4			4.250614	
5	2	12	62.3	1921		4.865147	
6	1	12	56.4			6.029789	1
7	2	12	70.4	1578		7.337612	
8	2	12	56.3	1199		7.784195	
9	3	12	81.3	1151	1958	8.918483	
10	1	12	78.2			9.653846	
11	2	12	81.9	1282		10.902166	
12	1	12	83.7			11.899171	

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	5570.0	9	1.0	333	1	5553.0, 5363.0, 5514.0, 5283.0, 5336.0, 5440.0, 5464.0, 5658.0, 5606.0, 5350.0, 5569.0, 5455.0, 5599.0, 5415.0, 5466.0, 5431.0, 5496.0, 5409.0, 5360.0, 5410.0, 5276.0, 5647.0, 5635.0, 5679.0, 5567.0, 5652.0, 5690.0, 5671.0, 5279.0, 5558.0, 5723.0, 5366.0, 5458.0, 5380.0, 5296.0, 5365.0, 5342.0, 5364.0, 5696.0, 5448.0, 5324.0, 5268.0, 5681.0, 5450.0, 5454.0, 5692.0, 5321.0, 5398.0, 5556.0, 5352.0, 5561.0, 5389.0, 5530.0, 5270.0, 5316.0, 5520.0, 5586.0, 5438.0, 5419.0, 5595.0, 5456.0, 5368.0, 5648.0, 5494.0, 5576.0, 5597.0, 5278.0, 5338.0, 5638.0, 5502.0, 5414.0, 5591.0, 5710.0, 5621.0, 5291.0, 5596.0, 5254.0, 5622.0, 5554.0, 5391.0, 5515.0, 5408.0, 5678.0, 5462.0, 5699.0, 5516.0, 5312.0, 5659.0, 5274.0, 5424.0, 5707.0, 5325.0, 5421.0, 5583.0, 5373.0, 5310.0, 5548.0, 5688.0, 5560.0, 5537.0 (number of hits: 19)
2	5570.0	9	1.0	333	1	5724.0, 5416.0, 5616.0, 5430.0, 5593.0, 5475.0, 5501.0, 5641.0, 5447.0, 5514.0, 5294.0, 5532.0, 5400.0, 5666.0, 5689.0, 5668.0, 5610.0, 5279.0, 5549.0, 5531.0, 5289.0, 5546.0, 5482.0, 5453.0, 5599.0, 5393.0, 5722.0, 5629.0, 5494.0, 5712.0, 5568.0, 5386.0, 5575.0, 5645.0, 5572.0, 5383.0, 5288.0, 5560.0, 5452.0, 5623.0, 5277.0, 5699.0, 5298.0, 5380.0, 5445.0, 5564.0, 5680.0, 5486.0, 5403.0, 5385.0, 5693.0, 5341.0, 5577.0, 5545.0, 5371.0, 5428.0, 5476.0, 5604.0, 5296.0, 5711.0, 5495.0, 5439.0, 5318.0, 5708.0, 5487.0, 5596.0, 5595.0, 5268.0, 5586.0, 5505.0, 5642.0, 5659.0, 5678.0, 5665.0, 5378.0, 5512.0, 5686.0, 5636.0, 5581.0, 5356.0, 5364.0, 5314.0, 5454.0, 5558.0, 5555.0, 5312.0, 5369.0, 5316.0, 5255.0, 5716.0, 5396.0, 5561.0, 5463.0, 5347.0, 5681.0, 5441.0, 5566.0, 5526.0, 5457.0, 5635.0 (number of hits: 21)
3	5570.0	9	1.0	333	1	5709.0, 5601.0, 5620.0, 5355.0, 5682.0, 5672.0, 5679.0, 5331.0, 5658.0, 5540.0, 5393.0, 5385.0, 5505.0, 5439.0, 5330.0, 5280.0, 5641.0, 5501.0, 5486.0, 5345.0, 5299.0, 5382.0, 5593.0, 5339.0, 5690.0, 5559.0, 5419.0, 5607.0, 5252.0, 5614.0, 5604.0, 5253.0, 5705.0, 5378.0, 5283.0, 5258.0, 5514.0, 5649.0, 5485.0, 5693.0, 5711.0, 5595.0, 5684.0, 5586.0, 5544.0, 5681.0, 5471.0, 5710.0, 5404.0, 5307.0, 5600.0, 5512.0, 5480.0, 5469.0, 5327.0, 5716.0, 5617.0, 5265.0, 5631.0, 5420.0, 5628.0, 5341.0, 5577.0, 5426.0, 5388.0, 5637.0, 5608.0, 5562.0, 5575.0, 5472.0, 5666.0, 5328.0, 5292.0, 5444.0, 5546.0, 5669.0, 5417.0, 5392.0, 5424.0, 5638.0, 5269.0, 5584.0, 5661.0, 5459.0, 5447.0, 5336.0, 5550.0, 5556.0, 5700.0, 5721.0, 5715.0, 5312.0, 5440.0, 5493.0, 5632.0, 5313.0, 5402.0, 5429.0, 5602.0, 5450.0 (number of hits: 18)
4	5570.0	9	1.0	333	1	5568.0, 5495.0, 5587.0, 5477.0, 5494.0, 5448.0, 5557.0, 5549.0, 5561.0, 5500.0, 5459.0, 5483.0, 5607.0, 5519.0, 5400.0, 5541.0, 5537.0, 5539.0, 5464.0, 5618.0, 5523.0, 5646.0, 5598.0, 5319.0, 5373.0, 5713.0, 5514.0, 5507.0, 5571.0, 5579.0, 5700.0, 5347.0, 5267.0, 5338.0, 5594.0, 5693.0, 5480.0, 5395.0, 5572.0, 5510.0, 5254.0, 5621.0, 5675.0, 5583.0, 5624.0, 5388.0, 5426.0, 5401.0, 5264.0, 5574.0, 5430.0, 5432.0, 5378.0, 5346.0, 5427.0, 5337.0, 5441.0, 5638.0, 5580.0, 5310.0, 5691.0, 5680.0, 5325.0, 5602.0, 5672.0, 5299.0, 5647.0, 5673.0, 5628.0, 5479.0, 5678.0, 5417.0, 5467.0, 5471.0, 5257.0, 5339.0, 5359.0, 5577.0, 5450.0, 5653.0, 5290.0, 5306.0, 5654.0, 5379.0, 5360.0, 5348.0, 5685.0, 5573.0, 5696.0, 5686.0, 5569.0, 5659.0, 5619.0, 5601.0, 5658.0, 5457.0, 5322.0, 5453.0, 5692.0, 5353.0 (number of hits: 22)
5	5570.0	9	1.0	333	1	5318.0, 5509.0, 5478.0, 5699.0, 5669.0, 5585.0, 5657.0, 5529.0, 5599.0, 5274.0, 5392.0, 5466.0, 5379.0, 5605.0, 5583.0, 5412.0, 5388.0, 5539.0, 5452.0, 5256.0, 5402.0, 5541.0, 5611.0, 5494.0, 5393.0, 5443.0, 5281.0, 5407.0, 5613.0, 5448.0, 5447.0, 5462.0,

						5710.0, 5449.0, 5456.0, 5598.0, 5639.0, 5344.0, 5712.0, 5648.0, 5361.0, 5351.0, 5308.0, 5389.0, 5271.0, 5709.0, 5546.0, 5534.0, 5424.0, 5651.0, 5634.0, 5492.0, 5410.0, 5457.0, 5588.0, 5337.0, 5513.0, 5553.0, 5646.0, 5673.0, 5446.0, 5653.0, 5503.0, 5633.0, 5578.0, 5636.0, 5356.0, 5690.0, 5440.0, 5502.0, 5405.0, 5325.0, 5556.0, 5507.0, 5451.0, 5342.0, 5664.0, 5421.0, 5696.0, 5629.0, 5367.0, 5306.0, 5538.0, 5355.0, 5370.0, 5559.0, 5533.0, 5348.0, 5704.0, 5644.0, 5642.0, 5251.0, 5547.0, 5681.0, 5483.0, 5313.0, 5365.0, 5691.0, 5600.0, 5302.0 (number of hits: 18)
6	5570.0	9	1.0	333	1	5457.0, 5321.0, 5479.0, 5639.0, 5263.0, 5487.0, 5290.0, 5721.0, 5373.0, 5337.0, 5413.0, 5609.0, 5312.0, 5496.0, 5279.0, 5449.0, 5626.0, 5680.0, 5425.0, 5368.0, 5710.0, 5550.0, 5488.0, 5551.0, 5698.0, 5612.0, 5429.0, 5627.0, 5467.0, 5716.0, 5712.0, 5358.0, 5313.0, 5477.0, 5540.0, 5361.0, 5454.0, 5363.0, 5685.0, 5367.0, 5578.0, 5581.0, 5252.0, 5278.0, 5335.0, 5691.0, 5375.0, 5409.0, 5700.0, 5556.0, 5722.0, 5343.0, 5505.0, 5543.0, 5306.0, 5545.0, 5484.0, 5401.0, 5655.0, 5503.0, 5284.0, 5430.0, 5500.0, 5327.0, 5421.0, 5571.0, 5277.0, 5516.0, 5696.0, 5491.0, 5569.0, 5440.0, 5638.0, 5381.0, 5370.0, 5664.0, 5269.0, 5513.0, 5424.0, 5724.0, 5434.0, 5522.0, 5301.0, 5416.0, 5285.0, 5604.0, 5411.0, 5570.0, 5448.0, 5305.0, 5658.0, 5447.0, 5334.0, 5606.0, 5625.0, 5387.0, 5648.0, 5383.0, 5636.0, 5377.0 (number of hits: 13)
7	5570.0	9	1.0	333	1	5282.0, 5502.0, 5555.0, 5596.0, 5597.0, 5330.0, 5303.0, 5347.0, 5483.0, 5425.0, 5633.0, 5458.0, 5558.0, 5636.0, 5389.0, 5304.0, 5516.0, 5557.0, 5321.0, 5505.0, 5341.0, 5626.0, 5257.0, 5624.0, 5560.0, 5586.0, 5647.0, 5621.0, 5497.0, 5666.0, 5388.0, 5572.0, 5386.0, 5455.0, 5721.0, 5500.0, 5639.0, 5437.0, 5677.0, 5671.0, 5528.0, 5632.0, 5352.0, 5260.0, 5545.0, 5442.0, 5273.0, 5607.0, 5252.0, 5601.0, 5448.0, 5640.0, 5718.0, 5460.0, 5485.0, 5618.0, 5333.0, 5625.0, 5487.0, 5682.0, 5446.0, 5270.0, 5300.0, 5464.0, 5512.0, 5694.0, 5395.0, 5301.0, 5419.0, 5526.0, 5473.0, 5365.0, 5713.0, 5546.0, 5589.0, 5368.0, 5651.0, 5387.0, 5349.0, 5712.0, 5499.0, 5407.0, 5678.0, 5686.0, 5641.0, 5569.0, 5559.0, 5501.0, 5261.0, 5280.0, 5551.0, 5296.0, 5445.0, 5565.0, 5286.0, 5616.0, 5334.0, 5536.0, 5351.0, 5692.0 (number of hits: 18)
8	5570.0	9	1.0	333	1	5374.0, 5579.0, 5708.0, 5307.0, 5255.0, 5445.0, 5638.0, 5389.0, 5386.0, 5588.0, 5329.0, 5680.0, 5560.0, 5262.0, 5336.0, 5692.0, 5550.0, 5566.0, 5328.0, 5532.0, 5654.0, 5258.0, 5502.0, 5636.0, 5641.0, 5642.0, 5301.0, 5545.0, 5665.0, 5648.0, 5662.0, 5375.0, 5273.0, 5651.0, 5345.0, 5402.0, 5548.0, 5686.0, 5310.0, 5411.0, 5497.0, 5261.0, 5312.0, 5569.0, 5589.0, 5559.0, 5693.0, 5646.0, 5395.0, 5659.0, 5606.0, 5644.0, 5365.0, 5292.0, 5712.0, 5447.0, 5623.0, 5521.0, 5283.0, 5265.0, 5507.0, 5285.0, 5420.0, 5335.0, 5298.0, 5299.0, 5467.0, 5436.0, 5535.0, 5408.0, 5429.0, 5698.0, 5381.0, 5608.0, 5294.0, 5697.0, 5410.0, 5438.0, 5417.0, 5522.0, 5655.0, 5442.0, 5572.0, 5524.0, 5290.0, 5295.0, 5540.0, 5554.0, 5490.0, 5338.0, 5364.0, 5596.0, 5673.0, 5514.0, 5288.0, 5428.0, 5602.0, 5376.0, 5539.0, 5404.0 (number of hits: 19)
9	5570.0	9	1.0	333	1	5535.0, 5670.0, 5540.0, 5386.0, 5271.0, 5387.0, 5688.0, 5556.0, 5586.0, 5397.0, 5640.0, 5532.0, 5470.0, 5559.0, 5344.0, 5319.0, 5551.0, 5582.0, 5420.0, 5520.0, 5429.0, 5652.0, 5372.0, 5721.0, 5308.0, 5585.0, 5444.0, 5466.0, 5304.0, 5696.0, 5541.0, 5655.0, 5706.0, 5715.0, 5469.0, 5303.0, 5405.0, 5643.0, 5587.0, 5371.0, 5718.0, 5663.0, 5658.0, 5267.0, 5546.0, 5334.0, 5447.0, 5641.0, 5656.0, 5637.0, 5623.0, 5261.0, 5320.0, 5536.0, 5262.0, 5317.0, 5421.0, 5501.0, 5276.0, 5365.0, 5458.0, 5298.0, 5528.0, 5484.0, 5677.0, 5375.0, 5454.0, 5277.0, 5499.0, 5340.0, 5359.0, 5431.0, 5631.0, 5350.0, 5411.0, 5472.0, 5474.0, 5332.0, 5648.0, 5301.0, 5389.0, 5669.0, 5512.0, 5379.0, 5479.0, 5422.0, 5347.0, 5464.0, 5707.0, 5712.0, 5682.0, 5694.0, 5305.0, 5353.0, 5309.0, 5516.0, 5382.0, 5666.0, 5337.0, 5406.0 (number of hits: 13)
10	5570.0	9	1.0	333	1	5475.0, 5505.0, 5437.0, 5362.0, 5560.0, 5460.0, 5326.0, 5364.0,

						5454.0, 5383.0, 5422.0, 5522.0, 5365.0, 5253.0, 5298.0, 5535.0, 5524.0, 5540.0, 5574.0, 5296.0, 5527.0, 5310.0, 5610.0, 5381.0, 5658.0, 5598.0, 5436.0, 5279.0, 5585.0, 5576.0, 5520.0, 5559.0, 5491.0, 5603.0, 5478.0, 5352.0, 5307.0, 5355.0, 5587.0, 5656.0, 5481.0, 5681.0, 5299.0, 5507.0, 5369.0, 5394.0, 5363.0, 5447.0, 5257.0, 5646.0, 5582.0, 5713.0, 5609.0, 5687.0, 5622.0, 5493.0, 5539.0, 5545.0, 5427.0, 5720.0, 5612.0, 5521.0, 5321.0, 5528.0, 5650.0, 5676.0, 5366.0, 5581.0, 5627.0, 5674.0, 5672.0, 5496.0, 5435.0, 5498.0, 5541.0, 5556.0, 5583.0, 5544.0, 5673.0, 5503.0, 5695.0, 5495.0, 5400.0, 5619.0, 5252.0, 5300.0, 5269.0, 5589.0, 5438.0, 5403.0, 5351.0, 5663.0, 5525.0, 5275.0, 5367.0, 5628.0, 5693.0, 5566.0, 5425.0, 5680.0 (number of hits: 20)
11	5570.0	9	1.0	333	1	5662.0, 5370.0, 5395.0, 5391.0, 5612.0, 5502.0, 5616.0, 5530.0, 5699.0, 5630.0, 5327.0, 5520.0, 5690.0, 5318.0, 5549.0, 5548.0, 5683.0, 5722.0, 5666.0, 5475.0, 5576.0, 5323.0, 5487.0, 5386.0, 5586.0, 5354.0, 5305.0, 5400.0, 5651.0, 5474.0, 5266.0, 5598.0, 5258.0, 5252.0, 5313.0, 5287.0, 5542.0, 5631.0, 5491.0, 5425.0, 5312.0, 5567.0, 5332.0, 5456.0, 5260.0, 5402.0, 5714.0, 5293.0, 5647.0, 5633.0, 5499.0, 5302.0, 5457.0, 5410.0, 5380.0, 5719.0, 5601.0, 5700.0, 5625.0, 5503.0, 5495.0, 5485.0, 5325.0, 5350.0, 5706.0, 5512.0, 5552.0, 5656.0, 5646.0, 5446.0, 5528.0, 5378.0, 5426.0, 5412.0, 5468.0, 5529.0, 5424.0, 5644.0, 5390.0, 5444.0, 5472.0, 5564.0, 5579.0, 5282.0, 5636.0, 5322.0, 5374.0, 5660.0, 5629.0, 5466.0, 5535.0, 5335.0, 5620.0, 5259.0, 5371.0, 5617.0, 5516.0, 5697.0, 5519.0, 5526.0 (number of hits: 12)
12	5570.0	9	1.0	333	1	5260.0, 5599.0, 5350.0, 5472.0, 5415.0, 5540.0, 5324.0, 5564.0, 5272.0, 5367.0, 5390.0, 5685.0, 5600.0, 5634.0, 5357.0, 5693.0, 5605.0, 5632.0, 5270.0, 5403.0, 5569.0, 5609.0, 5575.0, 5608.0, 5257.0, 5579.0, 5655.0, 5713.0, 5566.0, 5359.0, 5604.0, 5503.0, 5301.0, 5458.0, 5625.0, 5712.0, 5583.0, 5418.0, 5704.0, 5534.0, 5686.0, 5294.0, 5542.0, 5692.0, 5374.0, 5364.0, 5326.0, 5262.0, 5694.0, 5717.0, 5565.0, 5668.0, 5456.0, 5377.0, 5274.0, 5363.0, 5630.0, 5635.0, 5504.0, 5263.0, 5474.0, 5518.0, 5371.0, 5300.0, 5683.0, 5293.0, 5568.0, 5433.0, 5329.0, 5671.0, 5466.0, 5459.0, 5395.0, 5435.0, 5644.0, 5422.0, 5650.0, 5593.0, 5299.0, 5327.0, 5468.0, 5588.0, 5412.0, 5688.0, 5398.0, 5659.0, 5574.0, 5662.0, 5296.0, 5495.0, 5361.0, 5392.0, 5267.0, 5322.0, 5533.0, 5548.0, 5314.0, 5282.0, 5366.0, 5441.0 (number of hits: 20)
13	5570.0	9	1.0	333	1	5350.0, 5442.0, 5324.0, 5390.0, 5698.0, 5473.0, 5598.0, 5265.0, 5641.0, 5452.0, 5257.0, 5655.0, 5294.0, 5436.0, 5264.0, 5454.0, 5402.0, 5699.0, 5580.0, 5530.0, 5421.0, 5346.0, 5325.0, 5483.0, 5591.0, 5721.0, 5687.0, 5318.0, 5461.0, 5543.0, 5382.0, 5570.0, 5304.0, 5558.0, 5470.0, 5620.0, 5617.0, 5695.0, 5355.0, 5418.0, 5520.0, 5351.0, 5289.0, 5614.0, 5503.0, 5460.0, 5310.0, 5307.0, 5682.0, 5548.0, 5514.0, 5293.0, 5375.0, 5274.0, 5395.0, 5256.0, 5596.0, 5508.0, 5486.0, 5401.0, 5509.0, 5419.0, 5692.0, 5484.0, 5343.0, 5504.0, 5431.0, 5565.0, 5465.0, 5557.0, 5285.0, 5425.0, 5611.0, 5493.0, 5251.0, 5676.0, 5373.0, 5662.0, 5385.0, 5292.0, 5405.0, 5478.0, 5583.0, 5660.0, 5443.0, 5668.0, 5663.0, 5522.0, 5384.0, 5689.0, 5328.0, 5301.0, 5491.0, 5567.0, 5720.0, 5643.0, 5618.0, 5337.0, 5394.0, 5406.0 (number of hits: 12)
14	5570.0	9	1.0	333	1	5292.0, 5306.0, 5620.0, 5691.0, 5639.0, 5363.0, 5316.0, 5319.0, 5499.0, 5493.0, 5598.0, 5387.0, 5721.0, 5592.0, 5530.0, 5707.0, 5666.0, 5505.0, 5359.0, 5563.0, 5605.0, 5430.0, 5515.0, 5650.0, 5528.0, 5469.0, 5654.0, 5699.0, 5667.0, 5277.0, 5716.0, 5481.0, 5607.0, 5622.0, 5307.0, 5553.0, 5330.0, 5549.0, 5628.0, 5329.0, 5717.0, 5604.0, 5662.0, 5427.0, 5578.0, 5556.0, 5371.0, 5546.0, 5510.0, 5643.0, 5506.0, 5423.0, 5702.0, 5547.0, 5690.0, 5349.0, 5492.0, 5384.0, 5271.0, 5559.0, 5608.0, 5680.0, 5534.0, 5253.0, 5404.0, 5656.0, 5614.0, 5519.0, 5540.0, 5346.0, 5394.0, 5324.0, 5575.0, 5386.0, 5456.0, 5348.0, 5411.0, 5615.0, 5600.0, 5333.0, 5321.0, 5422.0, 5478.0, 5289.0, 5265.0, 5332.0, 5720.0, 5632.0,

						5361.0, 5442.0, 5529.0, 5300.0, 5364.0, 5269.0, 5487.0, 5439.0, 5369.0, 5573.0, 5365.0, 5703.0 (number of hits: 18)
15	5570.0	9	1.0	333	1	5380.0, 5641.0, 5597.0, 5572.0, 5654.0, 5648.0, 5587.0, 5631.0, 5538.0, 5604.0, 5415.0, 5594.0, 5317.0, 5449.0, 5589.0, 5414.0, 5709.0, 5282.0, 5382.0, 5553.0, 5550.0, 5487.0, 5499.0, 5427.0, 5495.0, 5607.0, 5652.0, 5397.0, 5677.0, 5352.0, 5436.0, 5523.0, 5366.0, 5262.0, 5446.0, 5701.0, 5263.0, 5292.0, 5362.0, 5493.0, 5650.0, 5565.0, 5334.0, 5412.0, 5697.0, 5514.0, 5497.0, 5279.0, 5617.0, 5457.0, 5295.0, 5284.0, 5459.0, 5596.0, 5253.0, 5581.0, 5723.0, 5422.0, 5339.0, 5416.0, 5559.0, 5630.0, 5473.0, 5399.0, 5508.0, 5306.0, 5435.0, 5601.0, 5260.0, 5548.0, 5350.0, 5683.0, 5344.0, 5590.0, 5554.0, 5536.0, 5682.0, 5348.0, 5369.0, 5552.0, 5407.0, 5703.0, 5714.0, 5610.0, 5303.0, 5320.0, 5314.0, 5335.0, 5305.0, 5451.0, 5688.0, 5402.0, 5486.0, 5312.0, 5573.0, 5488.0, 5513.0, 5669.0, 5391.0, 5252.0 (number of hits: 21)
16	5570.0	9	1.0	333	1	5501.0, 5627.0, 5263.0, 5406.0, 5353.0, 5616.0, 5569.0, 5334.0, 5597.0, 5605.0, 5332.0, 5606.0, 5300.0, 5714.0, 5457.0, 5320.0, 5559.0, 5349.0, 5628.0, 5307.0, 5651.0, 5652.0, 5472.0, 5429.0, 5436.0, 5686.0, 5545.0, 5296.0, 5689.0, 5381.0, 5481.0, 5290.0, 5484.0, 5645.0, 5660.0, 5496.0, 5538.0, 5267.0, 5672.0, 5288.0, 5478.0, 5250.0, 5536.0, 5716.0, 5265.0, 5375.0, 5465.0, 5376.0, 5691.0, 5413.0, 5325.0, 5567.0, 5259.0, 5517.0, 5466.0, 5550.0, 5285.0, 5721.0, 5414.0, 5469.0, 5432.0, 5387.0, 5445.0, 5513.0, 5386.0, 5366.0, 5505.0, 5669.0, 5685.0, 5607.0, 5712.0, 5665.0, 5568.0, 5303.0, 5684.0, 5526.0, 5365.0, 5601.0, 5529.0, 5402.0, 5673.0, 5378.0, 5705.0, 5416.0, 5570.0, 5319.0, 5410.0, 5621.0, 5254.0, 5363.0, 5309.0, 5486.0, 5287.0, 5631.0, 5440.0, 5548.0, 5344.0, 5713.0, 5681.0, 5340.0 (number of hits: 15)
17	5570.0	9	1.0	333	1	5303.0, 5715.0, 5577.0, 5546.0, 5453.0, 5537.0, 5493.0, 5276.0, 5705.0, 5532.0, 5589.0, 5254.0, 5675.0, 5392.0, 5527.0, 5309.0, 5550.0, 5269.0, 5450.0, 5607.0, 5482.0, 5337.0, 5686.0, 5713.0, 5280.0, 5315.0, 5397.0, 5355.0, 5677.0, 5598.0, 5491.0, 5514.0, 5710.0, 5506.0, 5507.0, 5703.0, 5378.0, 5351.0, 5342.0, 5427.0, 5260.0, 5441.0, 5256.0, 5699.0, 5466.0, 5363.0, 5412.0, 5477.0, 5385.0, 5576.0, 5286.0, 5371.0, 5389.0, 5685.0, 5542.0, 5585.0, 5305.0, 5460.0, 5373.0, 5672.0, 5606.0, 5267.0, 5317.0, 5678.0, 5435.0, 5683.0, 5468.0, 5325.0, 5297.0, 5572.0, 5433.0, 5421.0, 5499.0, 5394.0, 5432.0, 5552.0, 5277.0, 5278.0, 5495.0, 5641.0, 5509.0, 5545.0, 5314.0, 5510.0, 5434.0, 5289.0, 5597.0, 5651.0, 5512.0, 5404.0, 5594.0, 5265.0, 5553.0, 5264.0, 5459.0, 5430.0, 5420.0, 5669.0, 5368.0, 5562.0 (number of hits: 19)
18	5570.0	9	1.0	333	1	5277.0, 5590.0, 5398.0, 5609.0, 5352.0, 5550.0, 5275.0, 5449.0, 5265.0, 5304.0, 5539.0, 5710.0, 5546.0, 5350.0, 5475.0, 5545.0, 5433.0, 5355.0, 5596.0, 5537.0, 5460.0, 5522.0, 5673.0, 5586.0, 5604.0, 5400.0, 5284.0, 5436.0, 5668.0, 5594.0, 5626.0, 5527.0, 5326.0, 5551.0, 5251.0, 5315.0, 5300.0, 5452.0, 5652.0, 5390.0, 5496.0, 5293.0, 5384.0, 5618.0, 5474.0, 5260.0, 5676.0, 5619.0, 5501.0, 5402.0, 5479.0, 5679.0, 5442.0, 5486.0, 5395.0, 5587.0, 5457.0, 5294.0, 5281.0, 5295.0, 5330.0, 5622.0, 5426.0, 5601.0, 5471.0, 5684.0, 5559.0, 5577.0, 5696.0, 5333.0, 5507.0, 5267.0, 5264.0, 5572.0, 5691.0, 5592.0, 5521.0, 5325.0, 5677.0, 5632.0, 5370.0, 5655.0, 5502.0, 5279.0, 5282.0, 5372.0, 5404.0, 5493.0, 5645.0, 5382.0, 5393.0, 5503.0, 5660.0, 5621.0, 5657.0, 5656.0, 5650.0, 5314.0, 5287.0, 5533.0 (number of hits: 18)
19	5570.0	9	1.0	333	1	5391.0, 5304.0, 5690.0, 5636.0, 5593.0, 5375.0, 5537.0, 5598.0, 5426.0, 5716.0, 5662.0, 5352.0, 5433.0, 5299.0, 5597.0, 5402.0, 5559.0, 5300.0, 5272.0, 5588.0, 5263.0, 5390.0, 5464.0, 5701.0, 5563.0, 5632.0, 5392.0, 5589.0, 5356.0, 5479.0, 5400.0, 5509.0, 5583.0, 5620.0, 5642.0, 5664.0, 5720.0, 5648.0, 5285.0, 5586.0, 5721.0, 5684.0, 5579.0, 5596.0, 5372.0, 5269.0, 5531.0, 5470.0, 5325.0, 5368.0, 5547.0, 5501.0, 5332.0, 5283.0, 5660.0, 5543.0, 5408.0, 5555.0, 5382.0, 5600.0, 5714.0, 5698.0, 5500.0, 5462.0,

						5384.0, 5448.0, 5417.0, 5519.0, 5682.0, 5549.0, 5506.0, 5685.0, 5528.0, 5558.0, 5252.0, 5534.0, 5377.0, 5388.0, 5425.0, 5654.0, 5445.0, 5552.0, 5302.0, 5298.0, 5322.0, 5675.0, 5439.0, 5371.0, 5665.0, 5533.0, 5551.0, 5482.0, 5472.0, 5599.0, 5459.0, 5581.0, 5378.0, 5467.0, 5338.0, 5624.0 (number of hits: 24)
20	5570.0	9	1.0	333	1	5579.0, 5706.0, 5492.0, 5488.0, 5604.0, 5272.0, 5622.0, 5652.0, 5290.0, 5315.0, 5616.0, 5668.0, 5705.0, 5549.0, 5641.0, 5511.0, 5565.0, 5433.0, 5318.0, 5707.0, 5444.0, 5285.0, 5360.0, 5401.0, 5332.0, 5490.0, 5254.0, 5477.0, 5333.0, 5643.0, 5345.0, 5379.0, 5692.0, 5429.0, 5264.0, 5279.0, 5584.0, 5312.0, 5642.0, 5278.0, 5353.0, 5551.0, 5442.0, 5678.0, 5554.0, 5590.0, 5610.0, 5473.0, 5354.0, 5638.0, 5273.0, 5296.0, 5713.0, 5258.0, 5702.0, 5686.0, 5382.0, 5703.0, 5577.0, 5313.0, 5679.0, 5712.0, 5535.0, 5526.0, 5497.0, 5564.0, 5425.0, 5520.0, 5675.0, 5598.0, 5534.0, 5486.0, 5452.0, 5326.0, 5562.0, 5470.0, 5448.0, 5295.0, 5684.0, 5563.0, 5575.0, 5658.0, 5339.0, 5299.0, 5674.0, 5716.0, 5359.0, 5586.0, 5323.0, 5496.0, 5352.0, 5321.0, 5480.0, 5263.0, 5499.0, 5404.0, 5602.0, 5515.0, 5578.0, 5453.0 (number of hits: 19)
21	5570.0	9	1.0	333	1	5605.0, 5573.0, 5495.0, 5598.0, 5545.0, 5278.0, 5496.0, 5471.0, 5494.0, 5350.0, 5666.0, 5472.0, 5702.0, 5682.0, 5282.0, 5287.0, 5334.0, 5631.0, 5625.0, 5408.0, 5448.0, 5392.0, 5678.0, 5687.0, 5578.0, 5444.0, 5312.0, 5686.0, 5709.0, 5655.0, 5664.0, 5538.0, 5633.0, 5576.0, 5564.0, 5485.0, 5325.0, 5306.0, 5353.0, 5398.0, 5451.0, 5639.0, 5542.0, 5288.0, 5429.0, 5403.0, 5481.0, 5588.0, 5311.0, 5383.0, 5382.0, 5674.0, 5551.0, 5277.0, 5293.0, 5343.0, 5344.0, 5675.0, 5459.0, 5522.0, 5377.0, 5503.0, 5371.0, 5587.0, 5520.0, 5332.0, 5581.0, 5290.0, 5649.0, 5292.0, 5659.0, 5404.0, 5326.0, 5380.0, 5387.0, 5592.0, 5557.0, 5251.0, 5297.0, 5447.0, 5622.0, 5561.0, 5379.0, 5300.0, 5508.0, 5417.0, 5446.0, 5281.0, 5517.0, 5394.0, 5305.0, 5399.0, 5374.0, 5643.0, 5550.0, 5486.0, 5319.0, 5267.0, 5272.0, 5511.0 (number of hits: 17)
22	5570.0	9	1.0	333	1	5637.0, 5549.0, 5623.0, 5313.0, 5545.0, 5706.0, 5685.0, 5474.0, 5572.0, 5310.0, 5476.0, 5266.0, 5580.0, 5380.0, 5463.0, 5605.0, 5680.0, 5396.0, 5375.0, 5317.0, 5292.0, 5327.0, 5594.0, 5501.0, 5250.0, 5699.0, 5704.0, 5429.0, 5709.0, 5560.0, 5573.0, 5590.0, 5577.0, 5502.0, 5719.0, 5423.0, 5381.0, 5404.0, 5561.0, 5460.0, 5712.0, 5622.0, 5648.0, 5353.0, 5384.0, 5369.0, 5579.0, 5314.0, 5436.0, 5411.0, 5267.0, 5678.0, 5705.0, 5331.0, 5370.0, 5471.0, 5322.0, 5701.0, 5325.0, 5592.0, 5587.0, 5538.0, 5490.0, 5646.0, 5419.0, 5416.0, 5567.0, 5630.0, 5634.0, 5621.0, 5610.0, 5428.0, 5716.0, 5276.0, 5379.0, 5386.0, 5575.0, 5273.0, 5505.0, 5442.0, 5376.0, 5604.0, 5269.0, 5542.0, 5417.0, 5629.0, 5670.0, 5484.0, 5257.0, 5311.0, 5307.0, 5275.0, 5692.0, 5686.0, 5362.0, 5679.0, 5558.0, 5326.0, 5553.0, 5609.0 (number of hits: 21)
23	5570.0	9	1.0	333	1	5679.0, 5500.0, 5403.0, 5651.0, 5499.0, 5590.0, 5442.0, 5367.0, 5641.0, 5319.0, 5387.0, 5652.0, 5611.0, 5497.0, 5410.0, 5435.0, 5686.0, 5446.0, 5263.0, 5287.0, 5585.0, 5456.0, 5348.0, 5531.0, 5338.0, 5622.0, 5299.0, 5464.0, 5696.0, 5483.0, 5428.0, 5650.0, 5515.0, 5292.0, 5606.0, 5554.0, 5570.0, 5284.0, 5388.0, 5374.0, 5655.0, 5629.0, 5598.0, 5512.0, 5423.0, 5498.0, 5381.0, 5467.0, 5462.0, 5394.0, 5486.0, 5599.0, 5662.0, 5514.0, 5452.0, 5523.0, 5404.0, 5506.0, 5304.0, 5547.0, 5444.0, 5605.0, 5723.0, 5553.0, 5349.0, 5478.0, 5353.0, 5582.0, 5627.0, 5620.0, 5594.0, 5368.0, 5417.0, 5509.0, 5593.0, 5569.0, 5302.0, 5447.0, 5545.0, 5615.0, 5656.0, 5494.0, 5390.0, 5552.0, 5633.0, 5362.0, 5508.0, 5501.0, 5516.0, 5416.0, 5267.0, 5398.0, 5704.0, 5384.0, 5261.0, 5717.0, 5596.0, 5262.0, 5481.0, 5438.0 (number of hits: 17)
24	5570.0	9	1.0	333	1	5295.0, 5709.0, 5271.0, 5495.0, 5618.0, 5305.0, 5612.0, 5324.0, 5459.0, 5570.0, 5334.0, 5412.0, 5528.0, 5634.0, 5340.0, 5440.0, 5631.0, 5567.0, 5322.0, 5722.0, 5624.0, 5531.0, 5613.0, 5599.0, 5331.0, 5291.0, 5580.0, 5532.0, 5380.0, 5447.0, 5451.0, 5283.0, 5594.0, 5568.0, 5255.0, 5625.0, 5364.0, 5359.0, 5524.0, 5596.0,

						5442.0, 5477.0, 5376.0, 5586.0, 5427.0, 5405.0, 5286.0, 5653.0, 5506.0, 5362.0, 5630.0, 5583.0, 5264.0, 5574.0, 5633.0, 5710.0, 5430.0, 5671.0, 5697.0, 5652.0, 5597.0, 5454.0, 5591.0, 5269.0, 5296.0, 5498.0, 5598.0, 5346.0, 5658.0, 5508.0, 5543.0, 5333.0, 5452.0, 5402.0, 5692.0, 5615.0, 5715.0, 5654.0, 5650.0, 5502.0, 5617.0, 5592.0, 5370.0, 5679.0, 5696.0, 5399.0, 5314.0, 5413.0, 5687.0, 5579.0, 5681.0, 5582.0, 5511.0, 5695.0, 5368.0, 5546.0, 5485.0, 5383.0, 5593.0, 5422.0 (number of hits: 20)
25	5570.0	9	1.0	333	1	5579.0, 5309.0, 5329.0, 5374.0, 5499.0, 5273.0, 5595.0, 5304.0, 5371.0, 5375.0, 5616.0, 5668.0, 5279.0, 5722.0, 5580.0, 5422.0, 5433.0, 5594.0, 5712.0, 5324.0, 5675.0, 5255.0, 5425.0, 5377.0, 5469.0, 5639.0, 5448.0, 5560.0, 5619.0, 5477.0, 5658.0, 5480.0, 5540.0, 5322.0, 5590.0, 5472.0, 5528.0, 5563.0, 5634.0, 5632.0, 5272.0, 5537.0, 5629.0, 5286.0, 5479.0, 5407.0, 5399.0, 5505.0, 5691.0, 5618.0, 5390.0, 5330.0, 5498.0, 5653.0, 5565.0, 5458.0, 5301.0, 5323.0, 5699.0, 5481.0, 5642.0, 5325.0, 5704.0, 5670.0, 5548.0, 5617.0, 5271.0, 5400.0, 5341.0, 5337.0, 5332.0, 5256.0, 5266.0, 5503.0, 5582.0, 5442.0, 5602.0, 5567.0, 5376.0, 5364.0, 5568.0, 5656.0, 5652.0, 5571.0, 5456.0, 5389.0, 5536.0, 5451.0, 5720.0, 5627.0, 5525.0, 5521.0, 5569.0, 5516.0, 5352.0, 5356.0, 5367.0, 5355.0, 5564.0, 5669.0 (number of hits: 19)
26	5570.0	9	1.0	333	1	5342.0, 5447.0, 5645.0, 5548.0, 5657.0, 5519.0, 5446.0, 5525.0, 5568.0, 5368.0, 5470.0, 5364.0, 5528.0, 5553.0, 5472.0, 5514.0, 5286.0, 5716.0, 5352.0, 5604.0, 5501.0, 5540.0, 5406.0, 5698.0, 5273.0, 5476.0, 5399.0, 5675.0, 5653.0, 5322.0, 5484.0, 5420.0, 5395.0, 5518.0, 5654.0, 5504.0, 5500.0, 5649.0, 5566.0, 5308.0, 5683.0, 5282.0, 5578.0, 5299.0, 5511.0, 5695.0, 5556.0, 5348.0, 5463.0, 5340.0, 5634.0, 5306.0, 5435.0, 5404.0, 5400.0, 5704.0, 5316.0, 5326.0, 5423.0, 5581.0, 5410.0, 5354.0, 5311.0, 5690.0, 5402.0, 5438.0, 5648.0, 5600.0, 5427.0, 5275.0, 5303.0, 5673.0, 5251.0, 5534.0, 5479.0, 5714.0, 5601.0, 5450.0, 5471.0, 5360.0, 5661.0, 5338.0, 5397.0, 5341.0, 5620.0, 5288.0, 5685.0, 5711.0, 5422.0, 5599.0, 5535.0, 5527.0, 5633.0, 5652.0, 5414.0, 5616.0, 5324.0, 5554.0, 5434.0, 5475.0 (number of hits: 15)
27	5570.0	9	1.0	333	1	5573.0, 5625.0, 5504.0, 5560.0, 5280.0, 5426.0, 5422.0, 5559.0, 5480.0, 5433.0, 5564.0, 5646.0, 5552.0, 5674.0, 5717.0, 5276.0, 5484.0, 5257.0, 5672.0, 5530.0, 5373.0, 5535.0, 5666.0, 5566.0, 5597.0, 5614.0, 5327.0, 5588.0, 5638.0, 5274.0, 5323.0, 5289.0, 5587.0, 5536.0, 5657.0, 5434.0, 5462.0, 5550.0, 5492.0, 5438.0, 5654.0, 5345.0, 5489.0, 5665.0, 5595.0, 5509.0, 5529.0, 5269.0, 5485.0, 5598.0, 5270.0, 5497.0, 5283.0, 5272.0, 5537.0, 5265.0, 5613.0, 5655.0, 5473.0, 5663.0, 5355.0, 5367.0, 5723.0, 5253.0, 5477.0, 5519.0, 5454.0, 5475.0, 5642.0, 5671.0, 5589.0, 5577.0, 5303.0, 5296.0, 5361.0, 5501.0, 5622.0, 5466.0, 5533.0, 5395.0, 5302.0, 5658.0, 5630.0, 5502.0, 5418.0, 5647.0, 5259.0, 5365.0, 5700.0, 5349.0, 5273.0, 5669.0, 5693.0, 5252.0, 5442.0, 5430.0, 5554.0, 5493.0, 5586.0, 5714.0 (number of hits: 20)
28	5570.0	9	1.0	333	1	5378.0, 5697.0, 5515.0, 5665.0, 5263.0, 5520.0, 5393.0, 5316.0, 5627.0, 5334.0, 5509.0, 5537.0, 5506.0, 5274.0, 5722.0, 5668.0, 5639.0, 5364.0, 5318.0, 5331.0, 5587.0, 5459.0, 5673.0, 5336.0, 5601.0, 5710.0, 5277.0, 5606.0, 5680.0, 5462.0, 5373.0, 5332.0, 5261.0, 5550.0, 5560.0, 5681.0, 5496.0, 5309.0, 5276.0, 5706.0, 5448.0, 5707.0, 5407.0, 5551.0, 5476.0, 5382.0, 5617.0, 5355.0, 5645.0, 5470.0, 5657.0, 5594.0, 5386.0, 5478.0, 5302.0, 5405.0, 5311.0, 5303.0, 5615.0, 5695.0, 5608.0, 5711.0, 5467.0, 5264.0, 5438.0, 5365.0, 5339.0, 5610.0, 5466.0, 5623.0, 5670.0, 5433.0, 5533.0, 5703.0, 5699.0, 5252.0, 5396.0, 5642.0, 5484.0, 5397.0, 5632.0, 5427.0, 5691.0, 5288.0, 5270.0, 5323.0, 5258.0, 5653.0, 5661.0, 5686.0, 5546.0, 5324.0, 5388.0, 5297.0, 5345.0, 5385.0, 5593.0, 5486.0, 5570.0, 5552.0 (number of hits: 13)
29	5570.0	9	1.0	333	1	5276.0, 5492.0, 5400.0, 5257.0, 5686.0, 5371.0, 5415.0, 5642.0, 5506.0, 5626.0, 5445.0, 5713.0, 5707.0, 5309.0, 5466.0, 5465.0,

						5611.0, 5512.0, 5417.0, 5333.0, 5349.0, 5692.0, 5413.0, 5575.0, 5409.0, 5529.0, 5502.0, 5308.0, 5645.0, 5307.0, 5273.0, 5402.0, 5422.0, 5514.0, 5558.0, 5487.0, 5624.0, 5606.0, 5503.0, 5672.0, 5493.0, 5330.0, 5401.0, 5583.0, 5326.0, 5484.0, 5694.0, 5468.0, 5660.0, 5533.0, 5370.0, 5662.0, 5629.0, 5650.0, 5620.0, 5596.0, 5335.0, 5336.0, 5539.0, 5265.0, 5351.0, 5331.0, 5563.0, 5279.0, 5720.0, 5444.0, 5345.0, 5544.0, 5528.0, 5456.0, 5565.0, 5489.0, 5474.0, 5676.0, 5578.0, 5706.0, 5564.0, 5385.0, 5304.0, 5580.0, 5298.0, 5432.0, 5517.0, 5435.0, 5670.0, 5418.0, 5635.0, 5648.0, 5327.0, 5579.0, 5693.0, 5450.0, 5545.0, 5461.0, 5429.0, 5663.0, 5253.0, 5590.0, 5597.0, 5505.0 (number of hits: 17)
30	5570.0	9	1.0	333	1	5648.0, 5681.0, 5591.0, 5526.0, 5385.0, 5587.0, 5515.0, 5565.0, 5698.0, 5568.0, 5329.0, 5440.0, 5315.0, 5581.0, 5359.0, 5474.0, 5346.0, 5713.0, 5609.0, 5562.0, 5379.0, 5641.0, 5432.0, 5502.0, 5438.0, 5569.0, 5339.0, 5586.0, 5620.0, 5466.0, 5546.0, 5465.0, 5433.0, 5706.0, 5332.0, 5392.0, 5263.0, 5589.0, 5305.0, 5510.0, 5482.0, 5633.0, 5345.0, 5254.0, 5665.0, 5322.0, 5506.0, 5718.0, 5661.0, 5553.0, 5674.0, 5281.0, 5687.0, 5517.0, 5398.0, 5477.0, 5485.0, 5253.0, 5605.0, 5691.0, 5478.0, 5456.0, 5554.0, 5435.0, 5695.0, 5470.0, 5618.0, 5717.0, 5270.0, 5337.0, 5690.0, 5525.0, 5504.0, 5448.0, 5703.0, 5550.0, 5295.0, 5368.0, 5327.0, 5542.0, 5682.0, 5645.0, 5548.0, 5634.0, 5607.0, 5278.0, 5455.0, 5701.0, 5564.0, 5378.0, 5507.0, 5520.0, 5441.0, 5333.0, 5304.0, 5353.0, 5547.0, 5419.0, 5464.0, 5535.0 (number of hits: 20)

P2MP Mode
Iron Radio

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	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	100 %	80%	Pass
Type 6	30	93.3 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	78	1.0	678	1
2	61	1.0	878	1
3	62	1.0	858	1
4	65	1.0	818	1
5	83	1.0	638	1
6	76	1.0	698	1
7	89	1.0	598	1
8	67	1.0	798	1
9	86	1.0	618	1
10	58	1.0	918	1
11	57	1.0	938	1
12	72	1.0	738	1
13	63	1.0	838	1
14	99	1.0	538	1
15	70	1.0	758	1
16	81	1.0	652	1
17	18	1.0	2949	1
18	28	1.0	1943	1
19	96	1.0	551	1
20	23	1.0	2374	1
21	32	1.0	1666	1
22	38	1.0	1410	1
23	36	1.0	1494	1
24	20	1.0	2752	1
25	28	1.0	1915	1
26	19	1.0	2928	1
27	44	1.0	1205	1
28	23	1.0	2327	1
29	74	1.0	722	1
30	43	1.0	1233	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	27	4.5	170	1
2	23	2.6	180	0
3	23	2.6	163	1
4	28	4.4	228	1
5	28	1.4	152	0
6	23	3.2	216	1
7	29	3.3	153	1
8	24	3.6	164	1
9	28	1.3	210	1
10	27	5.0	210	1
11	24	3.5	160	1
12	23	2.0	170	1
13	28	3.3	160	1
14	26	3.2	206	1
15	24	4.7	171	1
16	24	4.9	187	1
17	24	1.3	161	1
18	25	2.6	223	0
19	26	1.7	155	1
20	25	1.4	168	1
21	27	1.7	194	1
22	27	1.8	173	1
23	29	4.4	226	0
24	28	1.6	201	1
25	28	4.3	156	0
26	26	1.9	170	1
27	27	2.5	202	1
28	26	2.7	215	1
29	28	3.8	223	0
30	23	1.0	177	1
Detection Percentage: 80 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	9.5	372	1
2	18	6.5	400	1
3	16	7.0	216	1
4	16	7.2	352	0
5	17	8.5	462	1
6	17	9.5	379	1
7	16	6.1	480	1
8	16	7.0	430	1
9	16	6.3	372	1
10	16	7.1	309	1
11	18	9.4	287	1
12	17	10.0	377	1
13	17	6.6	352	0
14	18	6.3	304	1
15	17	8.9	347	1
16	18	8.5	445	1
17	17	7.8	263	0
18	18	9.5	368	1
19	17	8.2	389	1
20	17	8.0	360	1
21	16	7.3	460	1
22	18	7.1	305	1
23	18	6.3	471	0
24	18	10.0	483	1
25	17	9.9	330	1
26	16	9.6	425	1
27	16	7.5	458	0
28	16	7.7	488	1
29	17	7.9	352	1
30	16	7.7	310	1
Detection Percentage: 83.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	15.3	368	1
2	14	13.5	405	1
3	14	12.7	373	0
4	12	18.8	334	1
5	15	16.8	492	1
6	15	16.0	295	1
7	12	13.5	328	0
8	12	13.4	481	1
9	16	16.1	307	0
10	16	19.8	257	1
11	13	12.0	499	1
12	13	17.5	454	1
13	14	11.6	362	1
14	12	18.5	201	1
15	13	15.0	287	1
16	13	17.1	238	0
17	13	15.1	301	1
18	14	15.2	290	1
19	15	16.5	419	1
20	15	17.2	256	1
21	15	12.8	384	1
22	13	11.0	368	0
23	13	11.5	246	1
24	16	18.9	312	1
25	16	14.8	316	1
26	13	15.1	321	1
27	15	12.5	439	1
28	16	16.2	205	1
29	15	13.9	387	1
30	16	11.8	414	1
Detection Percentage: 83.3 % (>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	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5495.4	1
12	5495.0	1
13	5497.8	1
14	5494.6	1
15	5494.2	1
16	5493.0	1
17	5496.2	1
18	5499.0	1
19	5498.6	1
20	5497.8	1
21	5501.8	1
22	5501.4	1
23	5503.4	1
24	5502.2	1
25	5501.0	1
26	5504.6	1
27	5505.8	1
28	5504.6	1
29	5506.6	1
30	5503.0	1
Detection Percentage: 100 % (>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	12	83.7	1455		0.443705	1
1	2	12	81.3	1112		2.162156	
2	1	12	87.6			3.834742	
3	2	12	60.8	1263		4.912051	
4	1	12	59.5			6.607948	
5	2	12	89.7	1586		7.389786	
6	2	12	52.0	1098		8.747790	
7	2	12	79.4	1419		9.593371	
8	2	12	77.7	1106		11.409741	

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	9	75.9			0.456304	1
1	3	9	73.2	1176	1759	2.121290	
2	3	9	76.9	1303	1096	2.444234	
3	2	9	89.4	1124		3.885873	
4	1	9	74.8			5.112070	
5	3	9	80.3	1745	1637	7.084233	
6	3	9	73.5	1152	1946	7.507514	
7	2	9	57.9	1424		8.579681	
8	2	9	55.7	1823		9.738616	
9	1	9	66.1			11.941327	

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	9	86.9	1619	1142	0.698819	1
1	2	9	82.6	1279		1.463078	
2	3	9	54.9	1290	1185	1.645602	
3	1	9	55.8			2.606178	
4	2	9	90.0	1333		3.388010	
5	2	9	51.9	1279		4.183921	
6	1	9	64.0			5.235757	
7	2	9	58.6	1744		5.724935	
8	3	9	95.3	1435	1903	6.511062	
9	3	9	79.7	1126	1827	6.912763	
10	1	9	61.2			8.189102	
11	2	9	90.7	1361		8.633693	
12	2	9	81.2	1223		9.031060	
13	2	9	70.6	1490		10.097883	
14	1	9	91.6			11.144193	
15	1	9	81.4			11.443897	

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	7	62.5	1008	1332	1.171474	1
1	3	7	82.9	1178	1032	2.167492	
2	2	7	83.0	1091		3.774567	
3	3	7	64.7	1611	1601	4.089304	
4	1	7	55.6			5.452414	
5	2	7	60.6	1135		7.603779	
6	2	7	72.8	1319		8.726251	
7	1	7	96.0			9.807756	
8	1	7	65.0			11.802689	

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	89.3	1251		1.349490	1
1	2	12	55.6	1380		2.119577	
2	3	12	94.5	1981	1854	3.097643	
3	2	12	88.7	1528		5.920930	
4	3	12	80.8	1245	1982	6.454178	
5	1	12	83.1			7.631216	
6	3	12	59.7	1515	1921	9.202571	
7	2	12	89.4	1423		10.981707	

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	14	67.3	1986		0.049468	1
1	3	14	83.8	1459	1903	0.965289	
2	2	14	86.8	1178		1.211974	
3	2	14	87.2	1806		2.376404	
4	2	14	50.6	1629		2.474681	
5	1	14	94.7			3.027414	
6	1	14	84.1			4.194223	
7	3	14	73.2	1432	1974	4.416577	
8	2	14	54.0	1484		5.200634	
9	2	14	64.8	1176		5.750986	
10	1	14	70.9			6.101381	
11	2	14	90.6	1795		7.113874	
12	2	14	84.7	1366		7.238293	
13	1	14	90.8			8.028124	
14	2	14	88.4	1388		8.976321	
15	3	14	69.1	1102	1002	9.238150	
16	2	14	93.9	1583		9.822326	
17	3	14	83.3	1772	1502	10.285366	
18	1	14	73.1			11.326227	
19	3	14	94.0	1021	1098	11.926944	

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	10	88.8			0.573279	
1	2	10	64.9	1296		0.815653	
2	1	10	97.0			1.511467	
3	3	10	79.1	1700	1625	2.124488	
4	2	10	94.9	1521		2.928158	
5	1	10	82.0			3.752403	
6	3	10	64.4	1175	1643	4.147436	
7	2	10	74.8	1981		4.530638	
8	3	10	61.7	1158	1816	5.164140	
9	2	10	89.3	1578		6.250553	1
10	2	10	73.4	1870		6.873372	
11	1	10	75.9			7.071520	
12	3	10	56.0	1902	1381	8.124347	
13	3	10	70.8	1290	1596	8.518287	
14	2	10	66.4	1686		9.276988	
15	2	10	86.6	1688		10.043564	
16	3	10	74.6	1172	1892	10.529649	
17	2	10	81.9	1925		11.265303	
18	2	10	70.0	1305		11.948430	

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	3	12	85.6	1690	1564	0.334674	
1	3	12	54.8	1794	1398	1.832483	
2	2	12	54.9	1433		2.102006	
3	1	12	72.6			3.563816	
4	3	12	65.7	1295	1402	4.220207	
5	2	12	51.5	1841		5.285728	
6	2	12	82.7	1795		6.336665	1
7	1	12	93.4			7.242441	
8	2	12	76.7	1006		7.702625	
9	2	12	60.0	1557		9.180192	
10	3	12	52.3	1912	1100	9.418578	
11	2	12	83.7	1045		10.361092	
12	2	12	93.1	1908		11.730560	

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	14	96.1	1143	1759	0.539789	
1	3	14	69.9	1266	1050	2.245779	
2	1	14	81.9			3.878179	
3	1	14	52.1			5.020248	
4	1	14	54.6			6.154244	1
5	3	14	67.9	1417	1619	6.895159	
6	3	14	59.6	1770	1239	8.573447	
7	2	14	92.9	1941		10.113123	
8	1	14	63.3			10.867607	

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	6	69.0	1239		0.553399	
1	3	6	98.3	1670	1854	1.392372	
2	2	6	93.4	1489		2.006428	
3	1	6	86.1			2.404590	
4	1	6	90.5			3.391900	
5	2	6	54.5	1244		3.794181	
6	2	6	99.5	1893		5.137784	
7	3	6	71.5	1478	1983	5.704143	
8	1	6	90.8			6.347545	1
9	2	6	75.2	1645		7.408029	
10	2	6	55.6	1457		7.699180	
11	1	6	93.2			8.374136	
12	1	6	51.7			9.235500	
13	1	6	69.0			10.002208	
14	2	6	93.4	1545		10.877478	
15	2	6	69.3	1240		11.721468	

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	3	11	98.3	1476	1634	0.624142	
1	2	11	53.6	1268		1.881351	
2	2	11	90.7	1264		3.020389	
3	2	11	90.1	1609		3.700148	
4	1	11	96.2			4.706705	
5	2	11	96.9	1901		6.494398	1
6	2	11	88.9	1296		7.504109	
7	3	11	77.0	1875	1454	7.899743	
8	1	11	84.5			9.688617	
9	2	11	71.1	1586		10.894054	
10	3	11	73.5	1395	1993	11.663506	

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	10	57.5	1171	1900	0.480211	
1	1	10	62.2			1.579645	
2	1	10	91.3			2.484773	
3	2	10	59.0	1196		3.940414	
4	2	10	90.5	1294		4.436586	
5	3	10	86.4	1610	1790	5.802795	1
6	3	10	94.9	1854	1373	6.672208	
7	3	10	69.6	1337	1378	7.014820	
8	1	10	77.0			8.140172	
9	2	10	83.0	1948		9.423678	
10	2	10	97.5	1429		10.715701	
11	2	10	90.8	1358		11.169732	

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	17	90.0	1867		0.294809	1
1	2	17	93.4	1241		1.953714	
2	1	17	94.0			3.527278	
3	3	17	54.4	1540	1507	4.607395	
4	1	17	91.0			5.897957	
5	1	17	68.9			6.803047	
6	2	17	61.0	1401		8.286951	
7	2	17	97.1	1961		9.298112	
8	3	17	89.9	1575	1723	9.687337	
9	3	17	99.5	1033	1699	11.748874	

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	9	77.0	1522	1708	0.615554	1
1	2	9	82.5	1078		2.113042	
2	2	9	78.1	1184		3.455753	
3	3	9	97.0	1787	1664	5.278725	
4	1	9	51.5			6.001766	
5	2	9	95.4	1567		7.552291	
6	3	9	50.8	1446	1695	8.324970	
7	2	9	93.6	1158		10.447204	
8	1	9	88.5			11.036042	

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	2	8	56.3	1826		0.204280	
1	2	8	55.4	1314		2.626664	
2	2	8	53.6	1986		3.366006	
3	2	8	56.3	1511		5.198964	
4	2	8	89.4	1300		6.017782	1
5	3	8	96.4	1777	1641	6.709205	
6	3	8	75.7	1305	1389	8.383535	
7	1	8	90.2			9.844874	
8	2	8	66.9	1351		11.862298	

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	3	5	79.5	1946	1314	0.374160	
1	2	5	87.2	1776		0.903723	
2	2	5	64.6	1269		1.339474	
3	2	5	74.3	1413		2.291453	
4	3	5	51.9	1344	1509	2.421119	
5	1	5	55.0			3.373398	
6	2	5	98.8	1233		3.653569	
7	3	5	89.2	1297	1951	4.575300	
8	3	5	53.8	1690	1948	4.949345	
9	2	5	83.0	1367		5.730703	
10	1	5	59.9			6.139358	1
11	3	5	92.3	1094	1785	7.061361	
12	3	5	94.9	1190	1641	7.707472	
13	1	5	67.6			8.157023	
14	1	5	59.7			8.872304	
15	1	5	92.2			9.345570	
16	1	5	90.7			9.621009	
17	2	5	58.0	1365		10.788297	
18	1	5	74.2			11.170659	
19	3	5	53.9	1698	1464	11.603441	

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	13	57.1	1285	1106	0.345139	
1	2	13	99.5	1040		1.397383	
2	3	13	76.2	1970	1156	1.575681	
3	2	13	77.8	1521		2.614264	
4	3	13	55.8	1255	1701	3.230046	
5	2	13	78.0	1019		3.852486	
6	3	13	85.7	1072	1339	4.320324	
7	2	13	91.4	1731		5.533814	
8	2	13	66.3	1348		6.316836	1
9	3	13	84.3	1533	1007	6.959834	
10	3	13	54.0	1846	1108	7.327055	
11	3	13	63.3	1964	1836	8.120880	
12	2	13	59.9	1661		8.992906	
13	3	13	52.4	1274	1253	9.191467	
14	2	13	54.6	1775		10.163664	
15	2	13	71.7	1261		10.600575	
16	2	13	60.3	1857		11.951869	

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	20	58.8	1171	1033	1.412267	
1	1	20	98.1			2.957728	
2	2	20	83.6	1414		3.222334	
3	2	20	53.0	1447		5.128975	
4	2	20	66.3	1583		7.416319	1
5	3	20	80.0	1205	2000	8.113094	
6	2	20	53.0	1372		10.184404	
7	2	20	75.3	1666		11.669555	

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	19	67.5	1431	1846	0.458422	
1	3	19	79.7	1503	1121	0.889140	
2	2	19	88.4	1697		2.045535	
3	2	19	67.1	1469		2.416766	
4	3	19	51.3	1318	1045	3.913147	
5	3	19	79.6	1336	1552	4.097545	
6	1	19	68.4			4.975546	
7	3	19	98.5	1282	1876	5.989956	1
8	2	19	65.7	1250		6.418390	
9	2	19	99.8	1741		7.798957	
10	1	19	83.0			8.005155	
11	2	19	95.0	1737		9.287164	
12	3	19	84.3	1735	1919	9.643161	
13	2	19	62.9	1770		10.734961	
14	1	19	95.9			11.773093	

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	63.2	1757		0.664324	
1	3	17	92.3	1063	1569	1.203444	
2	3	17	69.2	1598	1137	1.900697	
3	2	17	78.4	1430		2.610231	
4	2	17	94.0	1776		3.568858	
5	2	17	70.4	1840		4.579709	
6	3	17	56.0	1450	1958	5.206190	
7	2	17	76.8	1170		5.851237	1
8	3	17	77.7	1824	1539	6.517212	
9	3	17	91.2	1075	1694	7.539333	
10	3	17	97.2	1961	1594	8.473094	
11	2	17	74.2	1192		9.592675	
12	2	17	56.4	1003		10.245805	
13	2	17	79.6	1984		10.405749	
14	2	17	73.5	1381		11.255526	

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	3	18	81.1	1536	1427	0.462202	1
1	2	18	80.9	1907		1.351357	
2	1	18	60.0			2.233104	
3	3	18	74.0	1899	1210	2.776607	
4	3	18	71.9	1221	1819	3.836067	
5	1	18	52.4			4.726302	
6	2	18	70.2	1720		5.898800	
7	1	18	97.3			6.642956	
8	1	18	81.3			7.647928	
9	2	18	74.9	1090		8.510499	
10	2	18	86.4	1305		9.153945	
11	2	18	57.7	1878		9.985946	
12	3	18	89.2	1895	1541	10.716552	
13	2	18	85.2	1700		11.796834	

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	19	72.3	1789	1971	0.587010	1
1	2	19	77.6	1891		0.950865	
2	3	19	96.2	1193	1663	1.703624	
3	2	19	60.2	1146		2.531262	
4	1	19	90.8			3.248040	
5	2	19	53.4	1767		3.345447	
6	2	19	73.4	1858		4.514652	
7	1	19	71.1			5.144309	
8	3	19	91.9	1266	1970	5.587591	
9	3	19	73.0	1151	1436	6.526722	
10	2	19	99.5	1324		7.307757	
11	2	19	72.7	1961		7.482999	
12	2	19	90.5	1607		8.479328	
13	2	19	60.0	1607		9.221699	
14	2	19	68.2	1607		9.973927	
15	2	19	57.3	1438		10.659829	
16	2	19	68.6	1266		11.299549	
17	2	19	76.5	1482		11.413026	

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	14	64.2	1949		0.133723	
1	3	14	89.1	1652	1088	1.455047	
2	2	14	79.3	1158		2.106788	
3	2	14	64.6	1180		2.862930	
4	1	14	86.7			3.965560	
5	2	14	81.9	1717		4.665610	
6	2	14	56.5	1747		5.871427	1
7	3	14	79.8	1637	1770	6.641124	
8	2	14	55.6	1875		7.703274	
9	1	14	78.3			8.429267	
10	1	14	90.1			9.736469	
11	2	14	87.7	1162		10.932674	
12	2	14	87.4	1663		11.989943	

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	17	57.0	1213		0.773676	1
1	2	17	98.9	1553		1.500389	
2	1	17	58.2			3.359107	
3	2	17	64.8	1439		4.014054	
4	1	17	58.3			5.293944	
5	2	17	67.4	1651		6.281657	
6	2	17	93.9	1664		8.010578	
7	3	17	62.0	1026	1576	9.334221	
8	1	17	85.7			10.454590	
9	1	17	70.5			10.800539	

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	20	96.5	1808		0.268433	1
1	3	20	94.2	1299	1103	0.960183	
2	2	20	53.6	1122		2.024807	
3	1	20	62.1			2.563660	
4	2	20	72.1	1886		3.690131	
5	3	20	64.5	1365	1156	4.402985	
6	1	20	76.8			4.978051	
7	2	20	84.3	1961		6.198316	
8	1	20	50.7			6.678697	
9	2	20	66.1	1582		7.244905	
10	2	20	95.2	1158		8.743054	
11	3	20	74.4	1494	1424	8.890860	
12	1	20	73.2			10.286141	
13	2	20	50.2	1310		11.021316	
14	3	20	92.7	1681	1185	11.416638	

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	11	56.8	1853		0.598486	1
1	3	11	78.8	1136	1453	0.887333	
2	2	11	75.8	1449		1.525778	
3	1	11	61.2			2.574187	
4	2	11	97.6	1620		3.018239	
5	2	11	55.8	1840		4.025094	
6	2	11	65.9	1907		4.919677	
7	3	11	92.2	1258	1993	5.786789	
8	2	11	51.9	1532		6.144620	
9	2	11	94.5	1578		7.317698	
10	2	11	94.3	1300		8.209212	
11	2	11	57.8	1592		8.315356	
12	2	11	54.6	1269		9.585719	
13	1	11	57.0			9.825466	
14	3	11	71.8	1382	1971	10.565587	
15	2	11	84.6	1500		11.954270	

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	8	59.2	1348		0.369266	1
1	2	8	56.9	1436		0.972906	
2	1	8	66.1			1.957026	
3	2	8	75.5	1080		2.817101	
4	2	8	78.4	1484		3.283703	
5	2	8	53.5	1304		3.838238	
6	3	8	92.1	1544	1697	4.443032	
7	1	8	69.8			5.045339	
8	1	8	60.7			5.718180	
9	2	8	93.8	1846		6.758390	
10	2	8	52.9	1783		7.446083	
11	2	8	91.6	1507		8.155489	
12	1	8	64.6			9.148571	
13	2	8	99.5	1828		9.177213	
14	2	8	60.4	1864		10.501361	
15	2	8	80.2	1815		10.807396	
16	1	8	69.0			11.553198	

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	51.8	1066		0.091637	
1	1	11	96.9			1.193436	
2	3	11	62.7	1928	1058	2.215166	
3	2	11	71.1	1107		2.453225	
4	2	11	96.7	1953		3.695756	
5	1	11	82.2			4.728804	
6	3	11	62.0	1824	1320	4.852231	
7	1	11	76.5			6.226394	1
8	1	11	76.9			6.545691	
9	2	11	77.0	1108		7.382667	
10	1	11	85.4			8.060074	
11	1	11	62.2			9.014781	
12	2	11	93.6	1459		9.777201	
13	3	11	97.7	1722	1189	10.875739	
14	2	11	78.1	1239		11.363123	

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	6	67.9	1015	1745	0.000875	
1	2	6	71.0	1202		0.764805	
2	3	6	62.8	1952	1708	1.759640	
3	1	6	74.2			2.311160	
4	2	6	69.6	1879		3.448292	
5	3	6	76.7	1231	1814	3.906369	
6	3	6	69.8	1214	1453	4.847704	
7	2	6	63.5	1413		5.292806	
8	2	6	95.0	1539		6.036968	1
9	3	6	96.2	1110	1582	6.927443	
10	2	6	81.5	1591		7.645945	
11	3	6	57.8	1674	1706	7.965525	
12	3	6	87.0	1670	1642	8.873055	
13	1	6	74.1			9.195489	
14	3	6	54.1	1744	1991	10.545026	
15	3	6	52.5	1128	1537	10.705526	
16	2	6	80.7	1182		11.677126	

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	15	75.8			0.085883	
1	2	15	52.3	1458		1.892586	
2	2	15	50.7	1257		2.199983	
3	2	15	83.1	1598		3.561859	
4	3	15	74.4	1845	1564	4.454761	
5	1	15	64.2			6.495979	1
6	3	15	58.4	1578	1075	7.251585	
7	2	15	94.9	1472		8.456896	
8	2	15	59.6	1440		9.240881	
9	2	15	90.3	1597		10.234724	
10	2	15	62.4	1123		11.839704	

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	5500.0	9	1.0	333	1	5535.0, 5573.0, 5647.0, 5495.0, 5710.0, 5304.0, 5544.0, 5565.0, 5472.0, 5704.0, 5284.0, 5564.0, 5386.0, 5435.0, 5370.0, 5693.0, 5417.0, 5692.0, 5504.0, 5324.0, 5519.0, 5289.0, 5383.0, 5665.0, 5553.0, 5720.0, 5537.0, 5657.0, 5363.0, 5309.0, 5674.0, 5489.0, 5334.0, 5540.0, 5250.0, 5679.0, 5303.0, 5492.0, 5438.0, 5624.0, 5614.0, 5259.0, 5461.0, 5271.0, 5678.0, 5700.0, 5454.0, 5581.0, 5279.0, 5367.0, 5629.0, 5530.0, 5562.0, 5494.0, 5331.0, 5619.0, 5466.0, 5615.0, 5416.0, 5491.0, 5443.0, 5440.0, 5652.0, 5604.0, 5425.0, 5482.0, 5462.0, 5623.0, 5631.0, 5643.0, 5474.0, 5291.0, 5469.0, 5529.0, 5570.0, 5484.0, 5395.0, 5372.0, 5437.0, 5350.0, 5559.0, 5696.0, 5568.0, 5338.0, 5554.0, 5533.0, 5412.0, 5385.0, 5348.0, 5699.0, 5590.0, 5267.0, 5432.0, 5695.0, 5536.0, 5656.0, 5459.0, 5541.0, 5517.0, 5457.0 (number of hits: 5)
2	5500.0	9	1.0	333	1	5335.0, 5407.0, 5656.0, 5623.0, 5392.0, 5271.0, 5682.0, 5580.0, 5463.0, 5400.0, 5614.0, 5465.0, 5491.0, 5428.0, 5531.0, 5653.0, 5455.0, 5293.0, 5543.0, 5497.0, 5364.0, 5639.0, 5436.0, 5675.0, 5253.0, 5415.0, 5578.0, 5426.0, 5370.0, 5631.0, 5648.0, 5560.0, 5406.0, 5659.0, 5352.0, 5374.0, 5697.0, 5346.0, 5539.0, 5404.0, 5475.0, 5276.0, 5424.0, 5540.0, 5413.0, 5315.0, 5612.0, 5342.0, 5668.0, 5626.0, 5298.0, 5713.0, 5344.0, 5266.0, 5679.0, 5359.0, 5664.0, 5609.0, 5330.0, 5508.0, 5636.0, 5464.0, 5714.0, 5297.0, 5340.0, 5520.0, 5289.0, 5529.0, 5302.0, 5351.0, 5431.0, 5456.0, 5647.0, 5446.0, 5657.0, 5366.0, 5460.0, 5680.0, 5534.0, 5638.0, 5422.0, 5594.0, 5716.0, 5272.0, 5395.0, 5375.0, 5698.0, 5443.0, 5602.0, 5703.0, 5544.0, 5489.0, 5574.0, 5348.0, 5321.0, 5394.0, 5501.0, 5632.0, 5287.0, 5629.0 (number of hits: 4)
3	5500.0	9	1.0	333	1	5342.0, 5649.0, 5652.0, 5299.0, 5290.0, 5361.0, 5268.0, 5575.0, 5270.0, 5284.0, 5450.0, 5520.0, 5533.0, 5644.0, 5665.0, 5614.0, 5382.0, 5664.0, 5579.0, 5296.0, 5405.0, 5557.0, 5317.0, 5286.0, 5436.0, 5635.0, 5549.0, 5433.0, 5281.0, 5280.0, 5348.0, 5369.0, 5561.0, 5386.0, 5310.0, 5564.0, 5282.0, 5505.0, 5503.0, 5581.0, 5558.0, 5261.0, 5435.0, 5612.0, 5255.0, 5272.0, 5658.0, 5719.0, 5509.0, 5506.0, 5345.0, 5701.0, 5524.0, 5691.0, 5568.0, 5585.0, 5599.0, 5274.0, 5453.0, 5264.0, 5283.0, 5511.0, 5320.0, 5337.0, 5572.0, 5675.0, 5308.0, 5302.0, 5267.0, 5353.0, 5447.0, 5616.0, 5315.0, 5708.0, 5694.0, 5473.0, 5531.0, 5256.0, 5621.0, 5475.0, 5438.0, 5588.0, 5640.0, 5607.0, 5314.0, 5366.0, 5380.0, 5460.0, 5500.0, 5431.0, 5659.0, 5498.0, 5465.0, 5582.0, 5696.0, 5534.0, 5668.0, 5389.0, 5468.0, 5609.0 (number of hits: 5)
4	5500.0	9	1.0	333	1	5575.0, 5451.0, 5478.0, 5262.0, 5480.0, 5594.0, 5453.0, 5449.0, 5385.0, 5723.0, 5706.0, 5329.0, 5625.0, 5309.0, 5606.0, 5387.0, 5664.0, 5640.0, 5574.0, 5614.0, 5530.0, 5363.0, 5430.0, 5445.0, 5587.0, 5318.0, 5528.0, 5577.0, 5687.0, 5678.0, 5391.0, 5513.0, 5307.0, 5539.0, 5314.0, 5654.0, 5339.0, 5523.0, 5416.0, 5518.0, 5508.0, 5264.0, 5419.0, 5507.0, 5376.0, 5335.0, 5423.0, 5492.0, 5404.0, 5386.0, 5555.0, 5377.0, 5705.0, 5463.0, 5415.0, 5644.0, 5716.0, 5721.0, 5715.0, 5711.0, 5691.0, 5642.0, 5561.0, 5323.0, 5295.0, 5472.0, 5597.0, 5300.0, 5442.0, 5392.0, 5291.0, 5500.0, 5540.0, 5308.0, 5701.0, 5600.0, 5348.0, 5635.0, 5281.0, 5709.0, 5690.0, 5617.0, 5569.0, 5509.0, 5250.0, 5394.0, 5558.0, 5549.0, 5488.0, 5609.0, 5293.0, 5327.0, 5342.0, 5471.0, 5556.0, 5370.0, 5497.0, 5567.0, 5280.0, 5330.0 (number of hits: 5)
5	5500.0	9	1.0	333	1	5398.0, 5494.0, 5449.0, 5307.0, 5641.0, 5433.0, 5718.0, 5624.0, 5555.0, 5607.0, 5437.0, 5335.0, 5650.0, 5287.0, 5496.0, 5516.0, 5257.0, 5608.0, 5584.0, 5557.0, 5375.0, 5603.0, 5540.0, 5675.0, 5582.0, 5686.0, 5274.0, 5299.0, 5480.0, 5704.0, 5468.0, 5547.0,

						5687.0, 5692.0, 5378.0, 5691.0, 5442.0, 5427.0, 5369.0, 5350.0, 5601.0, 5295.0, 5395.0, 5431.0, 5331.0, 5526.0, 5679.0, 5367.0, 5338.0, 5309.0, 5683.0, 5452.0, 5446.0, 5457.0, 5525.0, 5701.0, 5302.0, 5396.0, 5476.0, 5646.0, 5665.0, 5631.0, 5306.0, 5488.0, 5549.0, 5458.0, 5432.0, 5577.0, 5619.0, 5653.0, 5511.0, 5523.0, 5644.0, 5478.0, 5696.0, 5509.0, 5688.0, 5354.0, 5617.0, 5472.0, 5678.0, 5341.0, 5304.0, 5492.0, 5593.0, 5558.0, 5700.0, 5284.0, 5401.0, 5572.0, 5521.0, 5620.0, 5368.0, 5429.0, 5394.0, 5357.0, 5456.0, 5256.0, 5677.0, 5288.0 (number of hits: 3)
6	5500.0	9	1.0	333	1	5554.0, 5378.0, 5263.0, 5451.0, 5658.0, 5402.0, 5544.0, 5412.0, 5577.0, 5616.0, 5357.0, 5333.0, 5300.0, 5472.0, 5529.0, 5482.0, 5438.0, 5612.0, 5601.0, 5518.0, 5400.0, 5699.0, 5684.0, 5630.0, 5356.0, 5665.0, 5650.0, 5540.0, 5644.0, 5643.0, 5507.0, 5269.0, 5298.0, 5521.0, 5695.0, 5587.0, 5579.0, 5700.0, 5411.0, 5662.0, 5476.0, 5509.0, 5640.0, 5425.0, 5693.0, 5589.0, 5702.0, 5676.0, 5253.0, 5674.0, 5453.0, 5404.0, 5620.0, 5277.0, 5592.0, 5465.0, 5563.0, 5304.0, 5386.0, 5316.0, 5667.0, 5452.0, 5572.0, 5608.0, 5467.0, 5625.0, 5610.0, 5673.0, 5604.0, 5454.0, 5562.0, 5632.0, 5392.0, 5313.0, 5602.0, 5398.0, 5311.0, 5721.0, 5499.0, 5484.0, 5353.0, 5530.0, 5374.0, 5653.0, 5677.0, 5445.0, 5308.0, 5473.0, 5556.0, 5659.0, 5704.0, 5306.0, 5703.0, 5486.0, 5332.0, 5434.0, 5262.0, 5648.0, 5568.0, 5403.0 (number of hits: 2)
7	5500.0	9	1.0	333	1	5536.0, 5685.0, 5632.0, 5626.0, 5461.0, 5587.0, 5577.0, 5490.0, 5561.0, 5267.0, 5630.0, 5463.0, 5489.0, 5672.0, 5555.0, 5387.0, 5318.0, 5483.0, 5462.0, 5286.0, 5382.0, 5441.0, 5257.0, 5355.0, 5253.0, 5347.0, 5611.0, 5269.0, 5282.0, 5519.0, 5520.0, 5703.0, 5697.0, 5647.0, 5289.0, 5530.0, 5550.0, 5692.0, 5323.0, 5340.0, 5542.0, 5325.0, 5283.0, 5512.0, 5533.0, 5602.0, 5327.0, 5409.0, 5378.0, 5717.0, 5326.0, 5560.0, 5302.0, 5613.0, 5364.0, 5548.0, 5707.0, 5497.0, 5629.0, 5612.0, 5388.0, 5674.0, 5321.0, 5435.0, 5474.0, 5537.0, 5351.0, 5349.0, 5631.0, 5383.0, 5464.0, 5609.0, 5419.0, 5584.0, 5426.0, 5604.0, 5468.0, 5260.0, 5636.0, 5653.0, 5708.0, 5658.0, 5476.0, 5499.0, 5535.0, 5526.0, 5679.0, 5392.0, 5350.0, 5627.0, 5671.0, 5458.0, 5648.0, 5529.0, 5534.0, 5457.0, 5304.0, 5482.0, 5655.0, 5558.0 (number of hits: 2)
8	5500.0	9	1.0	333	1	5555.0, 5363.0, 5295.0, 5673.0, 5599.0, 5423.0, 5443.0, 5352.0, 5257.0, 5436.0, 5601.0, 5686.0, 5400.0, 5367.0, 5511.0, 5290.0, 5545.0, 5264.0, 5361.0, 5524.0, 5696.0, 5652.0, 5582.0, 5528.0, 5565.0, 5588.0, 5514.0, 5679.0, 5553.0, 5716.0, 5611.0, 5535.0, 5614.0, 5668.0, 5268.0, 5413.0, 5373.0, 5723.0, 5488.0, 5659.0, 5698.0, 5594.0, 5674.0, 5302.0, 5445.0, 5440.0, 5425.0, 5272.0, 5632.0, 5281.0, 5278.0, 5438.0, 5444.0, 5671.0, 5603.0, 5347.0, 5584.0, 5579.0, 5342.0, 5433.0, 5271.0, 5376.0, 5697.0, 5467.0, 5700.0, 5369.0, 5702.0, 5439.0, 5350.0, 5629.0, 5381.0, 5712.0, 5320.0, 5330.0, 5283.0, 5645.0, 5254.0, 5446.0, 5624.0, 5689.0, 5639.0, 5586.0, 5328.0, 5483.0, 5508.0, 5401.0, 5469.0, 5561.0, 5618.0, 5403.0, 5507.0, 5293.0, 5650.0, 5365.0, 5407.0, 5452.0, 5466.0, 5546.0, 5404.0, 5332.0 (number of hits: 2)
9	5500.0	9	1.0	333	1	5353.0, 5497.0, 5610.0, 5408.0, 5481.0, 5452.0, 5329.0, 5556.0, 5363.0, 5326.0, 5440.0, 5693.0, 5412.0, 5670.0, 5402.0, 5429.0, 5459.0, 5650.0, 5425.0, 5666.0, 5341.0, 5253.0, 5501.0, 5665.0, 5593.0, 5378.0, 5537.0, 5302.0, 5628.0, 5703.0, 5273.0, 5441.0, 5655.0, 5517.0, 5549.0, 5636.0, 5391.0, 5317.0, 5669.0, 5590.0, 5594.0, 5658.0, 5254.0, 5664.0, 5581.0, 5388.0, 5614.0, 5345.0, 5427.0, 5404.0, 5307.0, 5555.0, 5370.0, 5604.0, 5563.0, 5277.0, 5647.0, 5346.0, 5484.0, 5532.0, 5431.0, 5339.0, 5351.0, 5677.0, 5458.0, 5490.0, 5700.0, 5323.0, 5487.0, 5286.0, 5320.0, 5696.0, 5434.0, 5435.0, 5457.0, 5461.0, 5403.0, 5276.0, 5569.0, 5635.0, 5668.0, 5275.0, 5499.0, 5263.0, 5482.0, 5663.0, 5605.0, 5285.0, 5526.0, 5629.0, 5337.0, 5509.0, 5584.0, 5548.0, 5591.0, 5436.0, 5719.0, 5312.0, 5598.0, 5463.0 (number of hits: 3)
10	5500.0	9	1.0	333	0	

11	5500.0	9	1.0	333	1	5354.0, 5623.0, 5390.0, 5278.0, 5288.0, 5723.0, 5409.0, 5415.0, 5294.0, 5343.0, 5498.0, 5386.0, 5670.0, 5431.0, 5314.0, 5258.0, 5382.0, 5620.0, 5679.0, 5462.0, 5351.0, 5552.0, 5538.0, 5593.0, 5550.0, 5717.0, 5394.0, 5391.0, 5473.0, 5384.0, 5565.0, 5641.0, 5642.0, 5360.0, 5306.0, 5481.0, 5404.0, 5686.0, 5535.0, 5399.0, 5446.0, 5677.0, 5281.0, 5556.0, 5497.0, 5402.0, 5667.0, 5388.0, 5335.0, 5268.0, 5674.0, 5632.0, 5333.0, 5368.0, 5468.0, 5517.0, 5711.0, 5269.0, 5291.0, 5614.0, 5592.0, 5392.0, 5579.0, 5610.0, 5400.0, 5617.0, 5428.0, 5349.0, 5708.0, 5325.0, 5597.0, 5270.0, 5673.0, 5712.0, 5626.0, 5577.0, 5341.0, 5651.0, 5366.0, 5654.0, 5327.0, 5297.0, 5419.0, 5543.0, 5544.0, 5499.0, 5272.0, 5575.0, 5722.0, 5279.0, 5554.0, 5656.0, 5678.0, 5598.0, 5458.0, 5643.0, 5437.0, 5541.0, 5370.0, 5304.0 (number of hits: 3)
12	5500.0	9	1.0	333	1	5608.0, 5563.0, 5662.0, 5486.0, 5619.0, 5660.0, 5670.0, 5717.0, 5610.0, 5252.0, 5504.0, 5560.0, 5505.0, 5332.0, 5574.0, 5693.0, 5695.0, 5307.0, 5615.0, 5531.0, 5288.0, 5547.0, 5302.0, 5404.0, 5538.0, 5492.0, 5559.0, 5409.0, 5655.0, 5358.0, 5458.0, 5283.0, 5439.0, 5530.0, 5338.0, 5682.0, 5640.0, 5503.0, 5635.0, 5698.0, 5718.0, 5632.0, 5408.0, 5627.0, 5416.0, 5286.0, 5440.0, 5343.0, 5599.0, 5348.0, 5585.0, 5389.0, 5472.0, 5629.0, 5467.0, 5381.0, 5707.0, 5540.0, 5620.0, 5277.0, 5490.0, 5424.0, 5550.0, 5675.0, 5294.0, 5281.0, 5268.0, 5649.0, 5681.0, 5406.0, 5393.0, 5715.0, 5722.0, 5562.0, 5554.0, 5533.0, 5325.0, 5287.0, 5444.0, 5666.0, 5284.0, 5470.0, 5465.0, 5539.0, 5270.0, 5471.0, 5282.0, 5687.0, 5679.0, 5457.0, 5626.0, 5259.0, 5363.0, 5476.0, 5491.0, 5297.0, 5657.0, 5443.0, 5481.0, 5656.0 (number of hits: 5)
13	5500.0	9	1.0	333	1	5344.0, 5257.0, 5553.0, 5632.0, 5293.0, 5272.0, 5647.0, 5270.0, 5330.0, 5562.0, 5644.0, 5356.0, 5520.0, 5326.0, 5638.0, 5639.0, 5654.0, 5366.0, 5331.0, 5663.0, 5439.0, 5315.0, 5535.0, 5280.0, 5389.0, 5292.0, 5581.0, 5324.0, 5530.0, 5710.0, 5414.0, 5513.0, 5560.0, 5531.0, 5498.0, 5721.0, 5537.0, 5543.0, 5335.0, 5621.0, 5346.0, 5603.0, 5364.0, 5698.0, 5601.0, 5334.0, 5275.0, 5608.0, 5660.0, 5339.0, 5538.0, 5354.0, 5693.0, 5409.0, 5554.0, 5425.0, 5519.0, 5545.0, 5401.0, 5446.0, 5673.0, 5419.0, 5317.0, 5377.0, 5320.0, 5510.0, 5528.0, 5256.0, 5695.0, 5360.0, 5491.0, 5503.0, 5705.0, 5592.0, 5694.0, 5670.0, 5696.0, 5643.0, 5722.0, 5400.0, 5488.0, 5544.0, 5251.0, 5363.0, 5518.0, 5489.0, 5474.0, 5416.0, 5355.0, 5667.0, 5459.0, 5703.0, 5704.0, 5668.0, 5564.0, 5464.0, 5628.0, 5307.0, 5411.0, 5472.0 (number of hits: 3)
14	5500.0	9	1.0	333	1	5373.0, 5563.0, 5602.0, 5495.0, 5461.0, 5581.0, 5420.0, 5582.0, 5591.0, 5637.0, 5571.0, 5587.0, 5716.0, 5271.0, 5611.0, 5639.0, 5673.0, 5613.0, 5692.0, 5429.0, 5377.0, 5435.0, 5464.0, 5699.0, 5282.0, 5396.0, 5267.0, 5277.0, 5605.0, 5289.0, 5646.0, 5465.0, 5466.0, 5442.0, 5252.0, 5363.0, 5497.0, 5352.0, 5588.0, 5270.0, 5430.0, 5650.0, 5709.0, 5294.0, 5715.0, 5450.0, 5685.0, 5483.0, 5616.0, 5366.0, 5326.0, 5446.0, 5318.0, 5687.0, 5575.0, 5512.0, 5658.0, 5273.0, 5675.0, 5404.0, 5258.0, 5533.0, 5583.0, 5287.0, 5576.0, 5544.0, 5694.0, 5558.0, 5455.0, 5666.0, 5480.0, 5623.0, 5550.0, 5327.0, 5311.0, 5531.0, 5438.0, 5553.0, 5431.0, 5357.0, 5476.0, 5286.0, 5310.0, 5645.0, 5440.0, 5532.0, 5527.0, 5338.0, 5619.0, 5279.0, 5596.0, 5402.0, 5423.0, 5556.0, 5300.0, 5314.0, 5414.0, 5579.0, 5439.0, 5443.0 (number of hits: 2)
15	5500.0	9	1.0	333	1	5409.0, 5558.0, 5287.0, 5680.0, 5538.0, 5369.0, 5578.0, 5443.0, 5562.0, 5337.0, 5460.0, 5508.0, 5702.0, 5281.0, 5322.0, 5588.0, 5608.0, 5517.0, 5493.0, 5703.0, 5650.0, 5468.0, 5479.0, 5500.0, 5700.0, 5278.0, 5294.0, 5330.0, 5437.0, 5533.0, 5524.0, 5570.0, 5525.0, 5667.0, 5711.0, 5671.0, 5378.0, 5523.0, 5453.0, 5715.0, 5597.0, 5557.0, 5401.0, 5377.0, 5604.0, 5662.0, 5550.0, 5481.0, 5383.0, 5670.0, 5455.0, 5482.0, 5290.0, 5334.0, 5684.0, 5585.0, 5286.0, 5473.0, 5623.0, 5445.0, 5691.0, 5576.0, 5478.0, 5358.0, 5619.0, 5471.0, 5302.0, 5494.0, 5312.0, 5435.0, 5688.0, 5372.0, 5421.0, 5617.0, 5490.0, 5664.0, 5559.0, 5566.0, 5640.0, 5540.0,

						5447.0, 5648.0, 5299.0, 5594.0, 5417.0, 5456.0, 5661.0, 5420.0, 5704.0, 5324.0, 5599.0, 5635.0, 5350.0, 5296.0, 5333.0, 5706.0, 5331.0, 5440.0, 5527.0, 5314.0 (number of hits: 4)
16	5500.0	9	1.0	333	1	5687.0, 5397.0, 5603.0, 5633.0, 5308.0, 5608.0, 5400.0, 5698.0, 5526.0, 5266.0, 5449.0, 5279.0, 5349.0, 5296.0, 5646.0, 5482.0, 5337.0, 5302.0, 5696.0, 5371.0, 5641.0, 5427.0, 5538.0, 5575.0, 5323.0, 5461.0, 5484.0, 5274.0, 5389.0, 5517.0, 5709.0, 5617.0, 5703.0, 5501.0, 5317.0, 5607.0, 5453.0, 5255.0, 5292.0, 5705.0, 5650.0, 5420.0, 5714.0, 5440.0, 5485.0, 5435.0, 5559.0, 5619.0, 5592.0, 5606.0, 5370.0, 5548.0, 5256.0, 5660.0, 5306.0, 5550.0, 5562.0, 5330.0, 5383.0, 5600.0, 5609.0, 5441.0, 5394.0, 5386.0, 5648.0, 5712.0, 5412.0, 5339.0, 5621.0, 5262.0, 5471.0, 5443.0, 5390.0, 5627.0, 5588.0, 5634.0, 5405.0, 5670.0, 5691.0, 5270.0, 5721.0, 5643.0, 5521.0, 5281.0, 5631.0, 5567.0, 5685.0, 5686.0, 5622.0, 5421.0, 5503.0, 5340.0, 5311.0, 5401.0, 5417.0, 5618.0, 5359.0, 5338.0, 5348.0, 5547.0 (number of hits: 2)
17	5500.0	9	1.0	333	1	5454.0, 5318.0, 5358.0, 5561.0, 5406.0, 5711.0, 5505.0, 5432.0, 5625.0, 5426.0, 5322.0, 5694.0, 5563.0, 5600.0, 5581.0, 5500.0, 5416.0, 5525.0, 5510.0, 5663.0, 5486.0, 5578.0, 5539.0, 5709.0, 5521.0, 5637.0, 5307.0, 5275.0, 5377.0, 5364.0, 5464.0, 5302.0, 5614.0, 5404.0, 5260.0, 5526.0, 5366.0, 5288.0, 5649.0, 5473.0, 5611.0, 5698.0, 5646.0, 5583.0, 5483.0, 5468.0, 5555.0, 5292.0, 5673.0, 5267.0, 5361.0, 5458.0, 5462.0, 5467.0, 5504.0, 5342.0, 5639.0, 5574.0, 5596.0, 5579.0, 5405.0, 5284.0, 5677.0, 5475.0, 5453.0, 5445.0, 5429.0, 5619.0, 5569.0, 5627.0, 5255.0, 5365.0, 5253.0, 5309.0, 5552.0, 5653.0, 5479.0, 5262.0, 5401.0, 5344.0, 5332.0, 5547.0, 5352.0, 5424.0, 5346.0, 5622.0, 5325.0, 5387.0, 5635.0, 5618.0, 5713.0, 5274.0, 5442.0, 5571.0, 5363.0, 5369.0, 5641.0, 5590.0, 5289.0, 5478.0 (number of hits: 3)
18	5500.0	9	1.0	333	1	5459.0, 5476.0, 5705.0, 5289.0, 5535.0, 5586.0, 5646.0, 5643.0, 5293.0, 5656.0, 5304.0, 5263.0, 5381.0, 5562.0, 5379.0, 5512.0, 5365.0, 5543.0, 5688.0, 5524.0, 5671.0, 5412.0, 5505.0, 5378.0, 5716.0, 5527.0, 5559.0, 5614.0, 5507.0, 5610.0, 5540.0, 5517.0, 5445.0, 5440.0, 5390.0, 5623.0, 5453.0, 5387.0, 5439.0, 5355.0, 5469.0, 5659.0, 5697.0, 5385.0, 5650.0, 5484.0, 5627.0, 5648.0, 5558.0, 5500.0, 5537.0, 5413.0, 5607.0, 5253.0, 5337.0, 5447.0, 5634.0, 5551.0, 5519.0, 5715.0, 5395.0, 5451.0, 5417.0, 5590.0, 5605.0, 5314.0, 5369.0, 5404.0, 5718.0, 5677.0, 5712.0, 5486.0, 5657.0, 5285.0, 5711.0, 5687.0, 5481.0, 5609.0, 5498.0, 5483.0, 5343.0, 5424.0, 5281.0, 5644.0, 5695.0, 5633.0, 5618.0, 5719.0, 5516.0, 5708.0, 5475.0, 5593.0, 5529.0, 5401.0, 5432.0, 5471.0, 5398.0, 5503.0, 5533.0, 5647.0 (number of hits: 5)
19	5500.0	9	1.0	333	1	5679.0, 5288.0, 5499.0, 5497.0, 5640.0, 5617.0, 5706.0, 5519.0, 5489.0, 5722.0, 5622.0, 5377.0, 5675.0, 5528.0, 5627.0, 5549.0, 5455.0, 5671.0, 5378.0, 5690.0, 5688.0, 5503.0, 5271.0, 5661.0, 5520.0, 5384.0, 5295.0, 5453.0, 5550.0, 5265.0, 5645.0, 5689.0, 5545.0, 5451.0, 5341.0, 5654.0, 5268.0, 5371.0, 5324.0, 5592.0, 5408.0, 5412.0, 5352.0, 5470.0, 5462.0, 5397.0, 5681.0, 5374.0, 5344.0, 5666.0, 5562.0, 5534.0, 5348.0, 5723.0, 5261.0, 5311.0, 5668.0, 5683.0, 5312.0, 5702.0, 5410.0, 5696.0, 5573.0, 5614.0, 5466.0, 5715.0, 5570.0, 5718.0, 5569.0, 5322.0, 5472.0, 5439.0, 5653.0, 5292.0, 5516.0, 5474.0, 5673.0, 5717.0, 5608.0, 5568.0, 5402.0, 5280.0, 5471.0, 5276.0, 5388.0, 5287.0, 5555.0, 5693.0, 5390.0, 5484.0, 5428.0, 5355.0, 5638.0, 5502.0, 5556.0, 5590.0, 5369.0, 5551.0, 5386.0, 5572.0 (number of hits: 4)
20	5500.0	9	1.0	333	1	5316.0, 5407.0, 5387.0, 5419.0, 5437.0, 5356.0, 5534.0, 5566.0, 5721.0, 5328.0, 5569.0, 5473.0, 5314.0, 5648.0, 5600.0, 5372.0, 5706.0, 5388.0, 5408.0, 5452.0, 5707.0, 5447.0, 5398.0, 5692.0, 5440.0, 5333.0, 5678.0, 5403.0, 5636.0, 5280.0, 5424.0, 5704.0, 5658.0, 5522.0, 5591.0, 5476.0, 5438.0, 5335.0, 5284.0, 5509.0, 5456.0, 5368.0, 5708.0, 5297.0, 5310.0, 5395.0, 5576.0, 5709.0, 5693.0, 5315.0, 5367.0, 5324.0, 5697.0, 5418.0, 5270.0, 5621.0,

						5531.0, 5572.0, 5425.0, 5654.0, 5461.0, 5266.0, 5681.0, 5627.0, 5632.0, 5436.0, 5557.0, 5530.0, 5479.0, 5390.0, 5468.0, 5481.0, 5370.0, 5604.0, 5317.0, 5655.0, 5497.0, 5615.0, 5433.0, 5464.0, 5634.0, 5337.0, 5607.0, 5602.0, 5267.0, 5487.0, 5664.0, 5657.0, 5651.0, 5568.0, 5611.0, 5567.0, 5503.0, 5366.0, 5624.0, 5321.0, 5441.0, 5593.0, 5637.0, 5292.0 (number of hits: 2)
21	5500.0	9	1.0	333	1	5372.0, 5506.0, 5631.0, 5255.0, 5632.0, 5287.0, 5564.0, 5595.0, 5720.0, 5621.0, 5715.0, 5523.0, 5324.0, 5473.0, 5393.0, 5285.0, 5419.0, 5566.0, 5477.0, 5472.0, 5528.0, 5577.0, 5435.0, 5291.0, 5420.0, 5697.0, 5547.0, 5263.0, 5371.0, 5342.0, 5667.0, 5647.0, 5482.0, 5417.0, 5588.0, 5614.0, 5327.0, 5320.0, 5708.0, 5593.0, 5481.0, 5364.0, 5290.0, 5696.0, 5426.0, 5480.0, 5690.0, 5545.0, 5493.0, 5283.0, 5398.0, 5315.0, 5651.0, 5548.0, 5252.0, 5284.0, 5579.0, 5447.0, 5502.0, 5446.0, 5693.0, 5307.0, 5464.0, 5527.0, 5259.0, 5684.0, 5319.0, 5569.0, 5542.0, 5666.0, 5424.0, 5337.0, 5707.0, 5538.0, 5430.0, 5724.0, 5272.0, 5615.0, 5257.0, 5453.0, 5581.0, 5413.0, 5698.0, 5254.0, 5264.0, 5452.0, 5363.0, 5714.0, 5410.0, 5662.0, 5541.0, 5554.0, 5469.0, 5300.0, 5301.0, 5503.0, 5335.0, 5659.0, 5536.0, 5265.0 (number of hits: 4)
22	5500.0	9	1.0	333	1	5321.0, 5708.0, 5571.0, 5335.0, 5350.0, 5498.0, 5334.0, 5297.0, 5442.0, 5320.0, 5660.0, 5367.0, 5720.0, 5267.0, 5685.0, 5554.0, 5440.0, 5669.0, 5381.0, 5653.0, 5376.0, 5398.0, 5400.0, 5459.0, 5520.0, 5578.0, 5507.0, 5497.0, 5582.0, 5712.0, 5719.0, 5436.0, 5365.0, 5451.0, 5476.0, 5683.0, 5630.0, 5341.0, 5528.0, 5690.0, 5603.0, 5420.0, 5503.0, 5319.0, 5426.0, 5285.0, 5337.0, 5430.0, 5452.0, 5372.0, 5284.0, 5656.0, 5511.0, 5559.0, 5512.0, 5573.0, 5389.0, 5416.0, 5396.0, 5579.0, 5464.0, 5409.0, 5345.0, 5560.0, 5570.0, 5317.0, 5572.0, 5644.0, 5304.0, 5674.0, 5534.0, 5298.0, 5468.0, 5455.0, 5598.0, 5469.0, 5676.0, 5527.0, 5535.0, 5275.0, 5412.0, 5597.0, 5625.0, 5312.0, 5649.0, 5327.0, 5422.0, 5541.0, 5595.0, 5306.0, 5453.0, 5617.0, 5458.0, 5287.0, 5682.0, 5424.0, 5392.0, 5336.0, 5444.0, 5270.0 (number of hits: 4)
23	5500.0	9	1.0	333	1	5492.0, 5345.0, 5349.0, 5604.0, 5566.0, 5372.0, 5573.0, 5397.0, 5438.0, 5506.0, 5653.0, 5711.0, 5329.0, 5472.0, 5330.0, 5432.0, 5587.0, 5688.0, 5646.0, 5365.0, 5511.0, 5292.0, 5520.0, 5641.0, 5557.0, 5634.0, 5680.0, 5315.0, 5297.0, 5450.0, 5455.0, 5452.0, 5369.0, 5658.0, 5418.0, 5298.0, 5576.0, 5267.0, 5523.0, 5423.0, 5453.0, 5395.0, 5306.0, 5669.0, 5250.0, 5593.0, 5385.0, 5446.0, 5494.0, 5275.0, 5280.0, 5578.0, 5616.0, 5668.0, 5533.0, 5676.0, 5487.0, 5348.0, 5302.0, 5305.0, 5705.0, 5398.0, 5522.0, 5644.0, 5709.0, 5617.0, 5585.0, 5710.0, 5286.0, 5699.0, 5700.0, 5326.0, 5480.0, 5312.0, 5633.0, 5373.0, 5536.0, 5558.0, 5410.0, 5519.0, 5484.0, 5308.0, 5359.0, 5467.0, 5693.0, 5545.0, 5577.0, 5507.0, 5703.0, 5569.0, 5716.0, 5387.0, 5479.0, 5595.0, 5528.0, 5489.0, 5336.0, 5474.0, 5713.0, 5351.0 (number of hits: 4)
24	5500.0	9	1.0	333	1	5525.0, 5419.0, 5283.0, 5636.0, 5304.0, 5617.0, 5659.0, 5284.0, 5568.0, 5461.0, 5674.0, 5474.0, 5621.0, 5692.0, 5453.0, 5600.0, 5289.0, 5303.0, 5693.0, 5686.0, 5443.0, 5569.0, 5392.0, 5250.0, 5491.0, 5618.0, 5586.0, 5543.0, 5364.0, 5520.0, 5656.0, 5653.0, 5495.0, 5429.0, 5434.0, 5363.0, 5532.0, 5637.0, 5528.0, 5435.0, 5253.0, 5625.0, 5489.0, 5334.0, 5278.0, 5584.0, 5425.0, 5442.0, 5399.0, 5643.0, 5605.0, 5349.0, 5604.0, 5666.0, 5431.0, 5552.0, 5368.0, 5610.0, 5268.0, 5588.0, 5587.0, 5658.0, 5360.0, 5551.0, 5306.0, 5383.0, 5503.0, 5272.0, 5530.0, 5531.0, 5559.0, 5353.0, 5373.0, 5579.0, 5485.0, 5703.0, 5721.0, 5261.0, 5308.0, 5440.0, 5620.0, 5567.0, 5575.0, 5370.0, 5599.0, 5663.0, 5448.0, 5346.0, 5388.0, 5472.0, 5574.0, 5329.0, 5655.0, 5470.0, 5420.0, 5534.0, 5723.0, 5407.0, 5609.0, 5717.0 (number of hits: 3)
25	5500.0	9	1.0	333	1	5278.0, 5317.0, 5511.0, 5377.0, 5586.0, 5447.0, 5622.0, 5413.0, 5594.0, 5567.0, 5411.0, 5344.0, 5466.0, 5701.0, 5558.0, 5432.0, 5473.0, 5267.0, 5660.0, 5385.0, 5297.0, 5595.0, 5443.0, 5294.0, 5718.0, 5264.0, 5306.0, 5711.0, 5565.0, 5661.0, 5536.0, 5321.0,

						5689.0, 5383.0, 5338.0, 5336.0, 5515.0, 5484.0, 5370.0, 5647.0, 5408.0, 5526.0, 5279.0, 5690.0, 5412.0, 5679.0, 5293.0, 5704.0, 5611.0, 5309.0, 5397.0, 5543.0, 5542.0, 5605.0, 5627.0, 5495.0, 5529.0, 5566.0, 5490.0, 5457.0, 5277.0, 5630.0, 5459.0, 5652.0, 5415.0, 5431.0, 5662.0, 5541.0, 5389.0, 5671.0, 5250.0, 5320.0, 5537.0, 5619.0, 5410.0, 5510.0, 5487.0, 5479.0, 5719.0, 5367.0, 5361.0, 5400.0, 5694.0, 5642.0, 5409.0, 5695.0, 5645.0, 5723.0, 5686.0, 5659.0, 5439.0, 5669.0, 5464.0, 5551.0, 5287.0, 5532.0, 5327.0, 5303.0, 5649.0, 5571.0 (number of hits: 1)
26	5500.0	9	1.0	333	1	5260.0, 5688.0, 5592.0, 5439.0, 5291.0, 5467.0, 5433.0, 5572.0, 5512.0, 5453.0, 5699.0, 5652.0, 5340.0, 5388.0, 5262.0, 5538.0, 5419.0, 5679.0, 5721.0, 5366.0, 5554.0, 5553.0, 5583.0, 5661.0, 5426.0, 5423.0, 5342.0, 5689.0, 5372.0, 5653.0, 5392.0, 5493.0, 5716.0, 5611.0, 5693.0, 5558.0, 5703.0, 5383.0, 5450.0, 5654.0, 5416.0, 5490.0, 5462.0, 5667.0, 5459.0, 5536.0, 5552.0, 5363.0, 5317.0, 5326.0, 5329.0, 5445.0, 5422.0, 5285.0, 5435.0, 5681.0, 5633.0, 5520.0, 5368.0, 5378.0, 5595.0, 5321.0, 5557.0, 5405.0, 5483.0, 5293.0, 5584.0, 5579.0, 5259.0, 5687.0, 5664.0, 5479.0, 5559.0, 5452.0, 5543.0, 5257.0, 5530.0, 5531.0, 5709.0, 5492.0, 5714.0, 5460.0, 5344.0, 5338.0, 5601.0, 5296.0, 5444.0, 5420.0, 5424.0, 5616.0, 5651.0, 5635.0, 5607.0, 5376.0, 5335.0, 5398.0, 5708.0, 5648.0, 5357.0, 5645.0 (number of hits: 2)
27	5500.0	9	1.0	333	1	5585.0, 5632.0, 5718.0, 5474.0, 5369.0, 5310.0, 5251.0, 5496.0, 5448.0, 5335.0, 5479.0, 5689.0, 5503.0, 5562.0, 5382.0, 5526.0, 5306.0, 5391.0, 5342.0, 5314.0, 5473.0, 5316.0, 5330.0, 5329.0, 5619.0, 5617.0, 5403.0, 5589.0, 5415.0, 5649.0, 5697.0, 5662.0, 5490.0, 5653.0, 5266.0, 5318.0, 5424.0, 5611.0, 5633.0, 5286.0, 5300.0, 5596.0, 5440.0, 5646.0, 5325.0, 5309.0, 5288.0, 5581.0, 5677.0, 5601.0, 5373.0, 5362.0, 5582.0, 5295.0, 5595.0, 5660.0, 5317.0, 5358.0, 5393.0, 5556.0, 5456.0, 5408.0, 5608.0, 5655.0, 5641.0, 5345.0, 5603.0, 5573.0, 5442.0, 5472.0, 5615.0, 5493.0, 5610.0, 5264.0, 5303.0, 5724.0, 5536.0, 5531.0, 5284.0, 5516.0, 5683.0, 5515.0, 5528.0, 5497.0, 5489.0, 5634.0, 5427.0, 5626.0, 5451.0, 5532.0, 5398.0, 5405.0, 5339.0, 5443.0, 5519.0, 5361.0, 5654.0, 5599.0, 5509.0, 5468.0 (number of hits: 4)
28	5500.0	9	1.0	333	0	
29	5500.0	9	1.0	333	1	5689.0, 5381.0, 5291.0, 5713.0, 5548.0, 5354.0, 5655.0, 5662.0, 5637.0, 5703.0, 5393.0, 5507.0, 5264.0, 5701.0, 5601.0, 5614.0, 5349.0, 5357.0, 5533.0, 5418.0, 5448.0, 5540.0, 5369.0, 5716.0, 5565.0, 5641.0, 5571.0, 5363.0, 5501.0, 5428.0, 5715.0, 5666.0, 5330.0, 5642.0, 5367.0, 5465.0, 5360.0, 5282.0, 5305.0, 5589.0, 5550.0, 5644.0, 5267.0, 5414.0, 5413.0, 5390.0, 5389.0, 5480.0, 5615.0, 5358.0, 5616.0, 5261.0, 5499.0, 5620.0, 5676.0, 5704.0, 5559.0, 5410.0, 5273.0, 5254.0, 5584.0, 5678.0, 5347.0, 5423.0, 5455.0, 5608.0, 5421.0, 5682.0, 5376.0, 5544.0, 5536.0, 5406.0, 5469.0, 5467.0, 5649.0, 5323.0, 5574.0, 5524.0, 5596.0, 5680.0, 5579.0, 5356.0, 5334.0, 5561.0, 5256.0, 5352.0, 5582.0, 5372.0, 5344.0, 5355.0, 5392.0, 5657.0, 5280.0, 5593.0, 5513.0, 5581.0, 5307.0, 5560.0, 5535.0, 5585.0 (number of hits: 3)
30	5500.0	9	1.0	333	1	5390.0, 5560.0, 5538.0, 5502.0, 5627.0, 5702.0, 5308.0, 5554.0, 5577.0, 5568.0, 5487.0, 5309.0, 5433.0, 5651.0, 5523.0, 5685.0, 5369.0, 5541.0, 5515.0, 5432.0, 5588.0, 5326.0, 5429.0, 5431.0, 5603.0, 5310.0, 5274.0, 5407.0, 5459.0, 5469.0, 5438.0, 5500.0, 5639.0, 5605.0, 5546.0, 5280.0, 5653.0, 5557.0, 5658.0, 5335.0, 5337.0, 5481.0, 5542.0, 5298.0, 5374.0, 5262.0, 5348.0, 5612.0, 5383.0, 5417.0, 5398.0, 5686.0, 5312.0, 5389.0, 5463.0, 5650.0, 5496.0, 5284.0, 5279.0, 5324.0, 5317.0, 5684.0, 5503.0, 5394.0, 5364.0, 5614.0, 5701.0, 5573.0, 5524.0, 5683.0, 5288.0, 5359.0, 5662.0, 5336.0, 5530.0, 5563.0, 5358.0, 5545.0, 5622.0, 5273.0, 5482.0, 5660.0, 5559.0, 5401.0, 5440.0, 5416.0, 5410.0, 5636.0, 5466.0, 5477.0, 5297.0, 5597.0, 5371.0, 5497.0, 5314.0, 5268.0, 5589.0, 5353.0, 5451.0, 5599.0 (number of hits: 5)

P2MP Mode
Iron Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	87.5 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	81	1.0	658	1
2	78	1.0	678	1
3	61	1.0	878	1
4	67	1.0	798	1
5	63	1.0	838	1
6	65	1.0	818	1
7	74	1.0	718	0
8	76	1.0	698	1
9	83	1.0	638	1
10	70	1.0	758	1
11	59	1.0	898	1
12	72	1.0	738	1
13	18	1.0	3066	1
14	89	1.0	598	1
15	92	1.0	578	1
16	33	1.0	1624	1
17	65	1.0	812	1
18	25	1.0	2153	1
19	36	1.0	1497	1
20	62	1.0	852	1
21	24	1.0	2227	1
22	23	1.0	2349	1
23	18	1.0	3025	1
24	23	1.0	2381	1
25	25	1.0	2171	1
26	18	1.0	2973	1
27	20	1.0	2686	1
28	24	1.0	2220	1
29	26	1.0	2085	1
30	20	1.0	2644	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	26	5.0	194	1
2	28	3.3	202	1
3	23	4.8	214	1
4	23	3.0	183	0
5	28	1.6	215	1
6	28	2.8	190	1
7	25	2.4	226	1
8	25	1.5	159	1
9	24	4.1	209	1
10	23	2.9	153	0
11	25	2.2	184	1
12	25	4.9	186	1
13	29	4.1	153	1
14	29	5.0	182	1
15	23	2.5	191	1
16	26	2.3	187	1
17	24	2.8	205	1
18	25	1.9	223	1
19	24	2.3	194	0
20	26	3.7	191	1
21	24	2.2	191	1
22	27	3.1	177	1
23	25	3.2	208	1
24	27	3.0	158	0
25	25	4.7	166	1
26	29	1.7	177	1
27	27	1.9	181	1
28	29	3.5	188	1
29	27	1.5	210	1
30	24	4.2	218	1
Detection Percentage: 86.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	8.3	325	1
2	16	6.9	377	1
3	16	7.3	423	1
4	18	9.3	336	1
5	18	7.2	354	1
6	18	6.6	339	1
7	18	6.5	437	1
8	17	9.0	296	1
9	16	7.8	278	1
10	18	7.1	206	1
11	18	7.2	208	1
12	18	7.1	306	1
13	16	8.3	369	0
14	16	9.8	362	1
15	17	10.0	268	1
16	17	8.1	219	1
17	17	6.5	326	1
18	16	9.6	213	0
19	17	8.4	435	1
20	16	9.8	270	1
21	18	6.2	444	1
22	18	9.6	325	1
23	18	8.6	209	1
24	16	6.9	274	1
25	16	7.0	412	1
26	18	6.8	481	1
27	16	6.1	339	0
28	18	6.7	462	1
29	18	6.1	470	1
30	16	7.8	484	0
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	16.8	233	0
2	14	19.6	414	1
3	13	13.6	478	1
4	14	19.5	445	1
5	13	16.9	353	1
6	12	17.2	432	1
7	14	17.3	322	1
8	13	18.4	496	1
9	12	15.3	280	1
10	14	19.1	348	0
11	13	15.1	363	1
12	12	16.8	315	0
13	14	19.4	366	1
14	16	11.7	484	1
15	12	14.8	471	1
16	16	16.6	203	0
17	16	15.8	351	1
18	14	17.6	463	1
19	12	13.5	357	1
20	16	17.3	244	1
21	12	19.4	353	0
22	13	17.3	418	1
23	15	17.4	259	1
24	16	18.5	392	1
25	14	16.7	447	1
26	13	11.1	257	1
27	15	13.9	342	1
28	12	19.0	242	1
29	12	11.1	341	0
30	12	15.8	248	1
Detection Percentage: 80 % (>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	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5496.3	1
12	5495.5	1
13	5497.1	1
14	5499.5	1
15	5496.3	1
16	5499.1	1
17	5494.3	1
18	5495.5	1
19	5499.1	1
20	5495.9	1
21	5522.5	1
22	5521.7	1
23	5524.9	1
24	5521.7	1
25	5521.3	1
26	5525.7	1
27	5523.3	1
28	5524.5	1
29	5524.5	1
30	5520.9	1
Detection Percentage: 100 % (>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	91.5	1446	1715	0.037938	1
1	2	8	64.7	1472		1.011069	
2	1	8	65.9			1.598809	
3	2	8	52.3	1286		2.319696	
4	2	8	99.2	1830		3.229117	
5	2	8	61.3	1637		3.866515	
6	3	8	89.8	1335	1184	4.535401	
7	2	8	99.5	1015		5.169537	
8	2	8	87.9	1677		5.473965	
9	3	8	90.7	1174	1133	6.527473	
10	2	8	93.5	1516		7.306002	
11	2	8	51.7	1473		7.402649	
12	2	8	53.9	1683		8.580023	
13	1	8	72.3			8.959011	
14	2	8	51.0	1961		9.931668	
15	1	8	64.9			10.212553	
16	3	8	79.3	1430	1773	10.878300	
17	1	8	88.2			11.496353	

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	12	55.4	1710	1638	0.349043	
1	2	12	76.5	1366		1.067451	
2	2	12	57.9	1464		1.521889	
3	1	12	66.6			1.940200	
4	2	12	75.6	1362		3.124100	
5	2	12	76.1	1723		3.443668	
6	1	12	72.5			4.241803	
7	2	12	72.5	1335		5.018886	
8	2	12	86.4	1480		5.657719	
9	1	12	50.7			6.035752	1
10	2	12	70.0	1330		6.697648	
11	3	12	97.3	1349	1896	7.060905	
12	2	12	57.7	1083		7.780325	
13	1	12	68.2			8.377783	
14	2	12	51.0	1315		9.024019	
15	3	12	65.1	1923	1937	9.479885	
16	1	12	86.0			10.115899	
17	2	12	83.1	1876		10.909208	
18	1	12	60.9			11.385471	

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	15	87.7	1159		0.590303	1
1	2	15	78.4	1989		1.174229	
2	2	15	94.2	1240		1.697828	
3	1	15	51.2			2.351607	
4	1	15	66.1			2.540667	
5	2	15	97.7	1281		3.234706	
6	2	15	76.6	1362		4.142753	
7	2	15	69.3	1989		4.394745	
8	2	15	90.2	1328		5.086487	
9	2	15	60.1	1767		5.604533	
10	2	15	98.0	1544		6.273977	
11	2	15	93.4	1209		6.962789	
12	2	15	88.4	1577		7.432624	
13	3	15	94.2	1758	1098	7.925016	
14	2	15	63.2	1495		8.627298	
15	3	15	76.4	1571	1633	9.096574	
16	2	15	88.2	1166		10.104986	
17	2	15	59.6	1347		10.383590	
18	1	15	97.8			11.154603	
19	2	15	67.2	1660		11.991795	

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	15	87.1	1930		0.638024	1
1	2	15	81.6	1883		1.151903	
2	3	15	97.1	1119	1578	2.328399	
3	1	15	68.4			2.554897	
4	1	15	85.9			3.535746	
5	3	15	75.4	1802	1654	4.299746	
6	1	15	65.3			5.334887	
7	3	15	54.1	1510	1694	6.237955	
8	3	15	72.1	1360	1901	6.719545	
9	3	15	69.7	1688	1901	7.482780	
10	1	15	78.0			8.343322	
11	2	15	60.9	1301		9.467368	
12	3	15	56.8	1575	1198	9.654909	
13	2	15	74.4	1274		10.765919	
14	1	15	61.2			11.218737	

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	92.7	1100		0.715580	1
1	3	9	53.1	1282	1102	1.512941	
2	2	9	85.0	1583		1.683344	
3	2	9	79.0	1099		2.498405	
4	1	9	97.2			3.535446	
5	1	9	67.1			4.599262	
6	1	9	63.9			5.456441	
7	2	9	59.5	1017		5.855530	
8	1	9	61.6			6.862960	
9	2	9	65.0	1872		7.706821	
10	2	9	80.9	1612		8.119761	
11	3	9	89.5	1880	1714	9.135469	
12	1	9	79.3			9.803193	
13	3	9	81.8	1157	1404	11.178931	
14	2	9	66.5	1992		11.844007	

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	16	50.3			0.913596	1
1	2	16	97.0	1769		1.587131	
2	1	16	88.2			2.452298	
3	2	16	60.8	1376		3.558659	
4	2	16	79.4	1758		4.894059	
5	3	16	76.3	1935	1563	5.991879	
6	3	16	54.5	1570	1971	6.060297	
7	2	16	67.0	1724		7.340368	
8	2	16	90.8	1153		8.620591	
9	2	16	83.5	1809		9.686812	
10	3	16	64.6	1896	1490	10.463034	
11	1	16	90.6			11.350413	

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	91.7			0.220779	
1	2	5	54.9	1012		0.936431	
2	3	5	62.7	1481	1914	1.485889	
3	3	5	53.7	1130	1858	1.994554	
4	2	5	66.7	1228		3.046566	
5	3	5	73.5	1283	1515	3.678119	
6	3	5	80.5	1455	1773	4.053128	
7	2	5	96.3	1064		4.989039	
8	1	5	81.1			5.631344	
9	2	5	57.6	1591		6.263147	1
10	3	5	60.2	1022	1151	6.733289	
11	2	5	77.0	1716		6.957935	
12	1	5	98.8			7.592029	
13	1	5	77.3			8.258524	
14	1	5	84.7			8.959559	
15	2	5	80.6	1133		9.762649	
16	1	5	94.4			10.197050	
17	2	5	80.1	1659		11.194913	
18	2	5	91.0	1108		11.432756	

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	15	61.9	1778		0.356267	
1	1	15	55.1			1.567036	
2	2	15	81.5	1692		3.034090	
3	1	15	61.3			3.817485	
4	1	15	56.8			4.960605	
5	3	15	98.6	1766	1239	6.257528	1
6	3	15	58.1	1443	1944	7.227683	
7	2	15	91.2	1789		8.842288	
8	1	15	93.9			9.967124	
9	2	15	53.2	1936		11.459113	

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	88.0			0.573233	1
1	1	8	64.9			1.229864	
2	2	8	90.7	1575		3.350162	
3	2	8	65.4	1860		3.891829	
4	1	8	57.4			5.420001	
5	2	8	51.5	1621		7.063911	
6	2	8	81.2	1621		7.238107	
7	3	8	56.2	1583	1329	9.437076	
8	1	8	53.6			10.520167	
9	1	8	84.0			11.739430	

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	6	94.0	1047		0.517591	1
1	3	6	65.1	1517	1620	1.966237	
2	2	6	62.2	1310		2.572024	
3	2	6	52.0	1401		3.260856	
4	1	6	55.1			4.406424	
5	1	6	94.4			5.127091	
6	2	6	96.5	1495		6.873836	
7	2	6	69.8	1375		7.341065	
8	2	6	59.2	1189		8.074618	
9	3	6	97.3	1367	1934	9.346547	
10	2	6	90.8	1178		10.679579	
11	2	6	61.0	1066		11.531094	

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	3	12	68.3	1289	1762	0.477808	
1	3	12	79.5	1724	1400	1.171587	
2	2	12	92.7	1593		2.026827	
3	2	12	83.8	1869		3.555145	
4	2	12	54.6	1744		4.583538	
5	1	12	78.9			4.948894	
6	1	12	73.2			5.832761	1
7	2	12	87.1	1455		6.732836	
8	1	12	64.1			8.244864	
9	2	12	60.6	1382		9.103571	
10	3	12	83.3	1467	1056	9.592744	
11	3	12	84.6	1582	1863	11.002632	
12	2	12	87.7	1358		11.736992	

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	10	68.1	1409		0.055571	
1	2	10	53.8	1320		0.721534	
2	3	10	55.0	1009	1588	1.611978	
3	1	10	87.2			2.578835	
4	3	10	55.6	1244	1089	3.500594	
5	2	10	73.5	1117		4.039138	
6	2	10	55.2	1808		4.465743	
7	2	10	84.1	1656		5.357168	
8	2	10	74.5	1856		6.052896	1
9	2	10	65.6	1904		6.900261	
10	1	10	96.9			7.368976	
11	1	10	74.9			8.390775	
12	3	10	82.9	1604	1669	9.065457	
13	2	10	91.0	1951		9.470845	
14	2	10	94.1	1024		9.894559	
15	1	10	71.5			11.074619	
16	1	10	97.4			11.623998	

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	14	56.1	1501		0.369748	1
1	3	14	91.0	1051	1850	1.147582	
2	1	14	61.3			2.108227	
3	2	14	63.3	1054		2.696353	
4	3	14	89.4	1981	1159	3.532515	
5	2	14	92.1	1450		4.235064	
6	2	14	58.0	1407		5.064417	
7	1	14	99.3			5.663307	
8	2	14	74.1	1251		6.645994	
9	3	14	69.8	1683	1095	7.391157	
10	3	14	73.5	1653	1261	7.694332	
11	1	14	97.2			8.725207	
12	2	14	53.0	1399		9.714699	
13	2	14	50.5	1147		9.864239	
14	2	14	78.8	1328		10.951245	
15	2	14	93.9	1808		11.770077	

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	20	51.5			0.888991	1
1	1	20	69.4			1.434712	
2	2	20	53.2	1732		2.211920	
3	1	20	65.1			3.057747	
4	3	20	67.0	1788	1583	4.351409	
5	3	20	79.8	1030	1364	5.312539	
6	3	20	77.1	1618	1805	6.359536	
7	3	20	81.1	1640	1663	6.649285	
8	2	20	99.4	1812		7.888294	
9	3	20	63.6	1201	1087	8.782175	
10	2	20	71.5	1884		9.234407	
11	3	20	93.8	1325	1052	10.186389	
12	2	20	50.5	1594		11.898824	

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	70.6	1606	1452	0.092235	1
1	2	12	56.5	1698		0.868522	
2	1	12	57.1			1.749577	
3	3	12	64.5	1443	1698	3.064918	
4	3	12	83.4	1624	1630	3.616717	
5	3	12	97.9	1144	1305	4.364474	
6	1	12	93.8			5.233805	
7	3	12	81.9	1975	1448	6.555681	
8	2	12	82.8	1932		7.522626	
9	2	12	74.4	1943		8.304808	
10	2	12	60.2	1984		8.916387	
11	2	12	66.4	1809		9.463061	
12	1	12	72.4			10.796182	
13	3	12	51.2	1484	1478	11.877607	

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	90.7	1362		0.836519	1
1	1	19	79.1			1.688329	
2	1	19	82.5			2.558883	
3	2	19	86.6	1978		4.354416	
4	3	19	88.6	1044	1056	4.391605	
5	1	19	72.4			6.179860	
6	2	19	54.8	1985		6.805475	
7	1	19	73.6			7.759513	
8	2	19	71.5	1145		9.792981	
9	2	19	54.7	1413		10.650776	
10	1	19	83.6			11.106056	

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	7	87.9			0.627484	
1	2	7	75.4	1821		1.499518	
2	2	7	79.5	1087		2.336391	
3	1	7	83.5			2.408898	
4	1	7	51.7			3.737140	
5	2	7	87.4	1207		4.067656	
6	3	7	63.6	1396	1862	5.592433	
7	2	7	85.6	1914		6.212868	1
8	1	7	72.3			6.671351	
9	2	7	96.5	1051		7.522817	
10	3	7	72.4	1508	1965	8.792545	
11	3	7	57.3	1187	1542	9.466860	
12	3	7	58.1	1231	1518	10.061955	
13	1	7	87.2			10.890690	
14	2	7	90.7	1848		11.747195	

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	10	90.5	1621		0.453347	
1	2	10	80.9	1125		1.066907	
2	2	10	86.2	1189		1.455298	
3	2	10	55.9	1069		2.217285	
4	2	10	89.0	1587		3.061657	
5	1	10	83.4			3.614578	
6	2	10	90.5	1676		3.960023	
7	3	10	70.8	1790	1102	4.817841	
8	2	10	54.7	1037		5.328650	
9	2	10	88.9	1407		5.836886	1
10	2	10	93.4	1715		6.552090	
11	2	10	53.6	1081		7.463447	
12	2	10	53.6	1049		7.924943	
13	1	10	73.0			8.212685	
14	1	10	85.0			9.184124	
15	2	10	53.8	1733		9.722375	
16	1	10	71.8			10.687198	
17	1	10	53.1			10.773604	
18	2	10	88.6	1080		11.435276	

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	19	58.4	1244	1088	0.141617	
1	2	19	74.1	1863		0.877289	
2	2	19	62.2	1307		2.062800	
3	2	19	72.8	1557		2.659199	
4	3	19	72.1	1166	1049	3.586018	
5	2	19	74.7	1424		4.591278	
6	1	19	56.1			5.128991	
7	2	19	77.2	1529		5.695021	1
8	2	19	94.2	1316		6.926305	
9	2	19	52.1	1380		7.614474	
10	2	19	99.1	1769		8.164816	
11	2	19	62.0	1577		9.247663	
12	2	19	94.7	1996		9.919021	
13	2	19	68.0	1044		10.831994	
14	2	19	85.5	1991		11.862603	

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	96.2	1045		0.200843	
1	2	11	93.4	1769		1.210093	
2	2	11	97.9	1948		1.897543	
3	3	11	59.0	1027	1487	3.435621	
4	3	11	66.4	1332	1899	3.754236	
5	2	11	51.1	1364		4.677243	
6	1	11	57.9			6.076301	1
7	2	11	56.4	1697		7.366257	
8	2	11	99.9	1208		8.094439	
9	3	11	77.2	1120	1003	8.552581	
10	3	11	55.3	1186	1017	9.543556	
11	1	11	50.8			11.055467	
12	2	11	99.3	1607		11.832964	

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	15	89.1	1767		0.525008	
1	3	15	75.6	1074	1706	1.128111	
2	2	15	75.9	1931		1.748404	
3	1	15	91.7			2.259218	
4	2	15	82.0	1592		2.681415	
5	1	15	99.3			3.016110	
6	1	15	65.4			4.180200	
7	2	15	68.3	1825		4.459706	
8	3	15	69.7	1636	1648	4.869477	
9	3	15	64.8	1901	1699	5.959928	1
10	3	15	62.4	1625	1836	6.361966	
11	2	15	50.8	1511		6.866180	
12	3	15	68.8	1890	1602	7.351278	
13	2	15	67.5	1143		8.374093	
14	3	15	73.4	1352	1117	8.853883	
15	2	15	59.0	1952		9.177909	
16	1	15	57.2			9.911538	
17	1	15	82.4			10.587130	
18	3	15	77.6	1961	1253	11.025809	
19	3	15	76.2	1719	1147	11.752560	

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	17	64.8	1511		0.220989	
1	1	17	69.8			1.144452	
2	2	17	75.0	1457		2.104472	
3	1	17	65.4			3.409290	
4	2	17	54.0	1167		4.704239	
5	2	17	70.2	1268		5.094680	
6	3	17	98.9	1999	1120	6.090028	1
7	2	17	51.6	1651		7.371467	
8	3	17	71.0	1492	1844	8.237935	
9	2	17	97.4	1080		9.183387	
10	2	17	81.4	1936		10.553474	
11	2	17	76.6	1456		11.364957	

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	9	89.0	1824		0.530355	1
1	2	9	91.5	1642		0.804482	
2	3	9	53.0	1802	1684	1.754090	
3	2	9	79.8	1449		2.351780	
4	2	9	71.4	1707		3.206099	
5	1	9	64.6			3.394311	
6	3	9	85.6	1261	1884	4.055921	
7	2	9	78.3	1239		5.068778	
8	3	9	74.3	1187	1388	5.701167	
9	2	9	89.2	1951		6.501986	
10	2	9	77.1	1903		6.733062	
11	3	9	68.6	1267	1431	7.833654	
12	2	9	91.1	1941		8.257224	
13	3	9	77.2	1301	1448	8.797659	
14	1	9	69.6			9.882215	
15	2	9	77.9	1299		10.389048	
16	1	9	51.3			11.027767	
17	3	9	50.5	1417	1955	11.831592	

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	17	53.1	1018		1.260338	1
1	2	17	65.4	1390		2.194748	
2	1	17	60.1			3.941454	
3	1	17	59.3			4.825979	
4	1	17	54.8			7.263880	
5	2	17	85.2	1900		7.904055	
6	2	17	91.4	1028		9.887183	
7	2	17	84.0	1333		10.810967	

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	18	75.1	1998		0.167499	1
1	2	18	64.7	1423		1.014038	
2	3	18	72.2	1571	1755	1.400678	
3	2	18	81.8	1187		2.598390	
4	2	18	58.6	1080		3.054472	
5	3	18	77.7	1732	1028	3.980980	
6	3	18	81.7	1026	1516	4.357769	
7	2	18	50.5	1301		4.897216	
8	2	18	57.8	1365		5.810223	
9	1	18	78.4			6.505053	
10	3	18	75.2	1359	1656	7.168262	
11	2	18	95.6	1653		7.771289	
12	2	18	93.0	1619		8.285285	
13	2	18	85.7	1553		9.166767	
14	2	18	54.2	1213		9.375220	
15	1	18	98.8			10.550493	
16	1	18	71.6			11.161785	
17	3	18	50.2	1579	1667	11.719923	

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	7	59.9			0.231769	
1	3	7	94.6	1732	1783	1.239892	
2	2	7	71.7	1469		1.855638	
3	3	7	91.4	1121	1714	2.786533	
4	2	7	75.1	1813		3.812976	
5	2	7	61.0	1975		4.532674	
6	1	7	88.6			4.906796	
7	2	7	65.8	1859		5.825496	1
8	3	7	81.4	1603	1312	6.538808	
9	1	7	58.6			7.580674	
10	2	7	77.1	1270		8.227957	
11	1	7	97.9			9.329194	
12	3	7	57.1	1520	1560	10.029871	
13	2	7	60.6	1141		10.660608	
14	3	7	55.0	1634	1658	11.418919	

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	13	97.5	1351		0.745461	
1	2	13	51.5	1164		1.909276	
2	2	13	53.1	1348		3.892135	
3	1	13	51.6			4.973435	
4	2	13	69.4	1498		6.694507	1
5	2	13	64.9	1297		8.919014	
6	1	13	70.2			10.180619	
7	2	13	83.9	1213		11.635776	

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	10	72.3	1808		0.562186	1
1	2	10	65.9	1203		1.183532	
2	3	10	53.2	1321	1605	1.583363	
3	2	10	65.9	1196		2.344034	
4	2	10	88.1	1283		3.509607	
5	1	10	88.1			4.249455	
6	2	10	88.0	1763		4.772119	
7	3	10	65.9	1260	1308	5.771148	
8	3	10	71.9	1675	1317	6.493964	
9	1	10	97.2			7.209145	
10	1	10	82.2			7.703899	
11	2	10	61.2	1428		8.712876	
12	2	10	68.9	1720		9.354764	
13	2	10	78.5	1783		10.347488	
14	3	10	74.3	1904	1664	11.146016	
15	2	10	76.4	1655		11.314246	

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	11	97.6			0.691983	1
1	3	11	95.6	1021	1800	1.230556	
2	1	11	78.6			2.820648	
3	2	11	51.7	1243		3.540745	
4	2	11	67.5	1446		4.247355	
5	2	11	98.9	1457		5.809946	
6	3	11	63.4	1798	1051	6.369105	
7	2	11	73.6	1834		7.595493	
8	2	11	58.0	1402		8.251647	
9	2	11	63.6	1560		9.798985	
10	2	11	67.2	1366		10.770872	
11	3	11	79.0	1846	1838	11.015095	

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	19	75.5	1187		0.255773	
1	2	19	92.5	1280		0.711861	
2	2	19	70.2	1702		1.886609	
3	3	19	52.4	1544	1745	2.784919	
4	1	19	71.5			3.158692	
5	2	19	57.5	1505		3.926739	
6	3	19	88.2	1090	1827	4.562924	
7	2	19	87.4	1674		5.591806	
8	1	19	79.3			5.810364	1
9	1	19	66.6			7.055079	
10	2	19	53.6	1055		7.077041	
11	2	19	75.6	1329		8.221508	
12	3	19	69.2	1198	1072	8.753615	
13	2	19	99.8	1235		9.411732	
14	2	19	84.5	1417		10.075741	
15	2	19	84.8	1020		10.927877	
16	3	19	77.8	1449	1522	11.864242	

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	5510.0	9	1.0	333	1	5488.0, 5310.0, 5417.0, 5558.0, 5416.0, 5708.0, 5684.0, 5465.0, 5330.0, 5548.0, 5666.0, 5699.0, 5524.0, 5565.0, 5527.0, 5494.0, 5251.0, 5334.0, 5375.0, 5478.0, 5518.0, 5479.0, 5615.0, 5405.0, 5321.0, 5710.0, 5409.0, 5657.0, 5707.0, 5284.0, 5508.0, 5372.0, 5408.0, 5336.0, 5585.0, 5663.0, 5388.0, 5272.0, 5541.0, 5607.0, 5466.0, 5391.0, 5455.0, 5569.0, 5287.0, 5293.0, 5647.0, 5712.0, 5605.0, 5268.0, 5313.0, 5723.0, 5609.0, 5339.0, 5440.0, 5577.0, 5551.0, 5354.0, 5289.0, 5415.0, 5671.0, 5264.0, 5461.0, 5493.0, 5459.0, 5616.0, 5294.0, 5314.0, 5394.0, 5621.0, 5675.0, 5646.0, 5281.0, 5449.0, 5530.0, 5363.0, 5507.0, 5446.0, 5487.0, 5682.0, 5556.0, 5631.0, 5571.0, 5328.0, 5664.0, 5300.0, 5317.0, 5509.0, 5448.0, 5447.0, 5443.0, 5701.0, 5719.0, 5463.0, 5343.0, 5389.0, 5320.0, 5352.0, 5445.0, 5590.0 (number of hits: 8)
2	5510.0	9	1.0	333	1	5626.0, 5405.0, 5602.0, 5401.0, 5596.0, 5654.0, 5427.0, 5570.0, 5722.0, 5257.0, 5476.0, 5498.0, 5407.0, 5604.0, 5719.0, 5448.0, 5508.0, 5364.0, 5700.0, 5674.0, 5268.0, 5304.0, 5598.0, 5506.0, 5393.0, 5398.0, 5650.0, 5623.0, 5576.0, 5647.0, 5644.0, 5439.0, 5588.0, 5454.0, 5539.0, 5385.0, 5444.0, 5565.0, 5532.0, 5324.0, 5424.0, 5426.0, 5279.0, 5694.0, 5254.0, 5689.0, 5463.0, 5524.0, 5560.0, 5631.0, 5593.0, 5659.0, 5438.0, 5466.0, 5473.0, 5284.0, 5504.0, 5567.0, 5321.0, 5562.0, 5573.0, 5686.0, 5555.0, 5607.0, 5634.0, 5495.0, 5549.0, 5707.0, 5629.0, 5492.0, 5550.0, 5462.0, 5566.0, 5541.0, 5698.0, 5327.0, 5474.0, 5294.0, 5630.0, 5543.0, 5269.0, 5579.0, 5507.0, 5559.0, 5645.0, 5271.0, 5392.0, 5699.0, 5528.0, 5450.0, 5672.0, 5280.0, 5275.0, 5396.0, 5355.0, 5590.0, 5564.0, 5272.0, 5636.0, 5538.0 (number of hits: 8)
3	5510.0	9	1.0	333	1	5348.0, 5372.0, 5492.0, 5563.0, 5556.0, 5549.0, 5546.0, 5669.0, 5301.0, 5658.0, 5416.0, 5429.0, 5483.0, 5470.0, 5306.0, 5643.0, 5700.0, 5464.0, 5608.0, 5673.0, 5693.0, 5367.0, 5452.0, 5396.0, 5377.0, 5503.0, 5410.0, 5587.0, 5533.0, 5387.0, 5651.0, 5261.0, 5710.0, 5603.0, 5419.0, 5293.0, 5465.0, 5720.0, 5508.0, 5588.0, 5585.0, 5280.0, 5714.0, 5562.0, 5538.0, 5711.0, 5497.0, 5498.0, 5341.0, 5543.0, 5692.0, 5640.0, 5408.0, 5701.0, 5605.0, 5628.0, 5515.0, 5422.0, 5478.0, 5251.0, 5308.0, 5655.0, 5374.0, 5252.0, 5626.0, 5398.0, 5625.0, 5567.0, 5532.0, 5536.0, 5267.0, 5631.0, 5296.0, 5484.0, 5653.0, 5717.0, 5723.0, 5447.0, 5683.0, 5690.0, 5381.0, 5644.0, 5675.0, 5664.0, 5265.0, 5674.0, 5343.0, 5591.0, 5504.0, 5277.0, 5507.0, 5615.0, 5384.0, 5667.0, 5553.0, 5472.0, 5358.0, 5592.0, 5501.0, 5621.0 (number of hits: 9)
4	5510.0	9	1.0	333	1	5458.0, 5313.0, 5642.0, 5283.0, 5398.0, 5576.0, 5686.0, 5719.0, 5411.0, 5388.0, 5714.0, 5520.0, 5626.0, 5581.0, 5577.0, 5465.0, 5502.0, 5648.0, 5330.0, 5410.0, 5703.0, 5302.0, 5325.0, 5669.0, 5432.0, 5594.0, 5444.0, 5415.0, 5573.0, 5501.0, 5343.0, 5713.0, 5645.0, 5416.0, 5399.0, 5680.0, 5326.0, 5334.0, 5401.0, 5634.0, 5384.0, 5698.0, 5612.0, 5550.0, 5562.0, 5717.0, 5253.0, 5272.0, 5409.0, 5284.0, 5443.0, 5257.0, 5350.0, 5507.0, 5359.0, 5426.0, 5424.0, 5298.0, 5436.0, 5548.0, 5684.0, 5629.0, 5261.0, 5618.0, 5374.0, 5488.0, 5694.0, 5582.0, 5487.0, 5599.0, 5368.0, 5445.0, 5693.0, 5509.0, 5456.0, 5356.0, 5289.0, 5504.0, 5379.0, 5277.0, 5320.0, 5659.0, 5483.0, 5340.0, 5267.0, 5696.0, 5711.0, 5319.0, 5250.0, 5523.0, 5300.0, 5489.0, 5333.0, 5389.0, 5544.0, 5531.0, 5597.0, 5491.0, 5394.0, 5407.0 (number of hits: 7)
5	5510.0	9	1.0	333	1	5483.0, 5322.0, 5467.0, 5710.0, 5280.0, 5403.0, 5420.0, 5424.0, 5519.0, 5572.0, 5662.0, 5414.0, 5663.0, 5310.0, 5487.0, 5574.0, 5256.0, 5583.0, 5439.0, 5274.0, 5464.0, 5602.0, 5561.0, 5265.0, 5406.0, 5398.0, 5499.0, 5449.0, 5419.0, 5612.0, 5367.0, 5515.0,

						5366.0, 5380.0, 5289.0, 5450.0, 5437.0, 5534.0, 5360.0, 5270.0, 5624.0, 5678.0, 5571.0, 5638.0, 5705.0, 5506.0, 5285.0, 5314.0, 5591.0, 5260.0, 5396.0, 5405.0, 5552.0, 5514.0, 5520.0, 5494.0, 5345.0, 5634.0, 5423.0, 5376.0, 5326.0, 5590.0, 5317.0, 5545.0, 5262.0, 5290.0, 5412.0, 5486.0, 5575.0, 5254.0, 5389.0, 5539.0, 5644.0, 5679.0, 5617.0, 5283.0, 5695.0, 5697.0, 5694.0, 5337.0, 5319.0, 5473.0, 5581.0, 5672.0, 5528.0, 5275.0, 5626.0, 5509.0, 5633.0, 5359.0, 5676.0, 5342.0, 5660.0, 5720.0, 5432.0, 5251.0, 5478.0, 5684.0, 5477.0, 5269.0 (number of hits: 8)
6	5510.0	9	1.0	333	1	5553.0, 5620.0, 5496.0, 5441.0, 5490.0, 5361.0, 5543.0, 5616.0, 5589.0, 5404.0, 5384.0, 5457.0, 5263.0, 5573.0, 5461.0, 5581.0, 5272.0, 5292.0, 5712.0, 5445.0, 5377.0, 5575.0, 5607.0, 5401.0, 5306.0, 5254.0, 5475.0, 5682.0, 5360.0, 5502.0, 5302.0, 5656.0, 5678.0, 5261.0, 5297.0, 5632.0, 5720.0, 5724.0, 5446.0, 5670.0, 5537.0, 5515.0, 5674.0, 5547.0, 5576.0, 5273.0, 5631.0, 5372.0, 5474.0, 5688.0, 5649.0, 5406.0, 5707.0, 5505.0, 5290.0, 5323.0, 5424.0, 5665.0, 5610.0, 5293.0, 5320.0, 5265.0, 5388.0, 5666.0, 5519.0, 5310.0, 5354.0, 5438.0, 5300.0, 5417.0, 5493.0, 5578.0, 5600.0, 5478.0, 5403.0, 5464.0, 5431.0, 5364.0, 5680.0, 5501.0, 5283.0, 5617.0, 5275.0, 5580.0, 5533.0, 5583.0, 5469.0, 5642.0, 5324.0, 5705.0, 5546.0, 5603.0, 5381.0, 5425.0, 5671.0, 5560.0, 5692.0, 5601.0, 5520.0, 5626.0 (number of hits: 8)
7	5510.0	9	1.0	333	1	5330.0, 5340.0, 5513.0, 5663.0, 5464.0, 5501.0, 5414.0, 5319.0, 5374.0, 5346.0, 5371.0, 5627.0, 5600.0, 5255.0, 5378.0, 5433.0, 5462.0, 5307.0, 5366.0, 5290.0, 5263.0, 5562.0, 5535.0, 5272.0, 5510.0, 5696.0, 5442.0, 5444.0, 5540.0, 5529.0, 5285.0, 5354.0, 5668.0, 5472.0, 5605.0, 5658.0, 5361.0, 5345.0, 5350.0, 5481.0, 5367.0, 5310.0, 5551.0, 5306.0, 5643.0, 5486.0, 5687.0, 5693.0, 5697.0, 5544.0, 5633.0, 5571.0, 5308.0, 5515.0, 5519.0, 5555.0, 5669.0, 5393.0, 5405.0, 5327.0, 5626.0, 5437.0, 5685.0, 5381.0, 5703.0, 5568.0, 5353.0, 5281.0, 5635.0, 5616.0, 5284.0, 5638.0, 5326.0, 5664.0, 5418.0, 5558.0, 5657.0, 5410.0, 5655.0, 5707.0, 5283.0, 5586.0, 5335.0, 5543.0, 5439.0, 5446.0, 5607.0, 5561.0, 5257.0, 5300.0, 5448.0, 5549.0, 5483.0, 5631.0, 5647.0, 5594.0, 5498.0, 5463.0, 5370.0, 5262.0 (number of hits: 6)
8	5510.0	9	1.0	333	1	5336.0, 5390.0, 5315.0, 5671.0, 5513.0, 5613.0, 5537.0, 5640.0, 5558.0, 5420.0, 5601.0, 5370.0, 5665.0, 5332.0, 5657.0, 5295.0, 5712.0, 5327.0, 5343.0, 5313.0, 5654.0, 5595.0, 5254.0, 5617.0, 5468.0, 5381.0, 5426.0, 5278.0, 5392.0, 5706.0, 5344.0, 5628.0, 5349.0, 5360.0, 5698.0, 5365.0, 5446.0, 5355.0, 5579.0, 5645.0, 5525.0, 5262.0, 5477.0, 5704.0, 5275.0, 5605.0, 5335.0, 5624.0, 5627.0, 5384.0, 5491.0, 5681.0, 5517.0, 5668.0, 5423.0, 5253.0, 5407.0, 5371.0, 5463.0, 5509.0, 5691.0, 5431.0, 5352.0, 5713.0, 5500.0, 5578.0, 5337.0, 5345.0, 5625.0, 5598.0, 5705.0, 5412.0, 5610.0, 5663.0, 5436.0, 5687.0, 5305.0, 5312.0, 5387.0, 5580.0, 5382.0, 5325.0, 5501.0, 5524.0, 5255.0, 5280.0, 5422.0, 5434.0, 5660.0, 5279.0, 5378.0, 5519.0, 5656.0, 5721.0, 5514.0, 5589.0, 5586.0, 5528.0, 5629.0, 5688.0 (number of hits: 9)
9	5510.0	9	1.0	333	1	5316.0, 5302.0, 5545.0, 5646.0, 5481.0, 5639.0, 5401.0, 5581.0, 5683.0, 5493.0, 5325.0, 5633.0, 5412.0, 5613.0, 5293.0, 5627.0, 5592.0, 5637.0, 5544.0, 5618.0, 5255.0, 5485.0, 5330.0, 5674.0, 5535.0, 5336.0, 5323.0, 5426.0, 5598.0, 5367.0, 5604.0, 5547.0, 5458.0, 5478.0, 5628.0, 5403.0, 5678.0, 5311.0, 5616.0, 5565.0, 5596.0, 5489.0, 5342.0, 5643.0, 5404.0, 5309.0, 5549.0, 5392.0, 5483.0, 5624.0, 5347.0, 5553.0, 5473.0, 5307.0, 5441.0, 5476.0, 5612.0, 5399.0, 5634.0, 5695.0, 5306.0, 5517.0, 5329.0, 5670.0, 5451.0, 5708.0, 5715.0, 5696.0, 5584.0, 5499.0, 5269.0, 5362.0, 5611.0, 5424.0, 5343.0, 5290.0, 5701.0, 5625.0, 5474.0, 5491.0, 5251.0, 5718.0, 5455.0, 5554.0, 5511.0, 5540.0, 5435.0, 5617.0, 5509.0, 5506.0, 5486.0, 5340.0, 5369.0, 5379.0, 5462.0, 5713.0, 5319.0, 5488.0, 5296.0, 5406.0 (number of hits: 6)
10	5510.0	9	1.0	333	1	5440.0, 5538.0, 5620.0, 5706.0, 5378.0, 5523.0, 5686.0, 5633.0,

						5571.0, 5411.0, 5700.0, 5710.0, 5719.0, 5636.0, 5497.0, 5563.0, 5614.0, 5631.0, 5559.0, 5318.0, 5587.0, 5507.0, 5493.0, 5499.0, 5339.0, 5328.0, 5467.0, 5357.0, 5361.0, 5392.0, 5672.0, 5370.0, 5312.0, 5586.0, 5623.0, 5429.0, 5283.0, 5694.0, 5343.0, 5381.0, 5608.0, 5596.0, 5447.0, 5508.0, 5450.0, 5364.0, 5660.0, 5418.0, 5454.0, 5697.0, 5266.0, 5621.0, 5549.0, 5460.0, 5676.0, 5530.0, 5643.0, 5462.0, 5284.0, 5542.0, 5465.0, 5626.0, 5627.0, 5419.0, 5430.0, 5313.0, 5521.0, 5580.0, 5543.0, 5656.0, 5469.0, 5290.0, 5280.0, 5567.0, 5524.0, 5704.0, 5575.0, 5274.0, 5515.0, 5441.0, 5399.0, 5475.0, 5540.0, 5281.0, 5675.0, 5376.0, 5705.0, 5593.0, 5324.0, 5413.0, 5568.0, 5474.0, 5273.0, 5553.0, 5311.0, 5481.0, 5574.0, 5457.0, 5668.0, 5652.0 (number of hits: 9)
11	5510.0	9	1.0	333	1	5321.0, 5485.0, 5452.0, 5299.0, 5473.0, 5535.0, 5441.0, 5606.0, 5586.0, 5509.0, 5413.0, 5518.0, 5568.0, 5285.0, 5705.0, 5553.0, 5310.0, 5486.0, 5366.0, 5429.0, 5443.0, 5663.0, 5311.0, 5264.0, 5428.0, 5681.0, 5708.0, 5531.0, 5539.0, 5325.0, 5703.0, 5302.0, 5618.0, 5713.0, 5414.0, 5382.0, 5408.0, 5547.0, 5526.0, 5664.0, 5516.0, 5405.0, 5389.0, 5649.0, 5601.0, 5620.0, 5404.0, 5261.0, 5572.0, 5293.0, 5454.0, 5380.0, 5359.0, 5378.0, 5397.0, 5479.0, 5602.0, 5451.0, 5376.0, 5323.0, 5385.0, 5343.0, 5657.0, 5377.0, 5689.0, 5372.0, 5655.0, 5670.0, 5493.0, 5483.0, 5616.0, 5494.0, 5706.0, 5407.0, 5605.0, 5612.0, 5508.0, 5614.0, 5342.0, 5555.0, 5551.0, 5629.0, 5431.0, 5314.0, 5570.0, 5659.0, 5254.0, 5308.0, 5420.0, 5334.0, 5656.0, 5646.0, 5349.0, 5687.0, 5529.0, 5423.0, 5339.0, 5543.0, 5533.0, 5578.0 (number of hits: 7)
12	5510.0	9	1.0	333	1	5527.0, 5535.0, 5569.0, 5554.0, 5303.0, 5591.0, 5491.0, 5638.0, 5436.0, 5463.0, 5716.0, 5370.0, 5320.0, 5477.0, 5572.0, 5526.0, 5419.0, 5366.0, 5580.0, 5646.0, 5630.0, 5632.0, 5307.0, 5444.0, 5706.0, 5582.0, 5657.0, 5265.0, 5652.0, 5509.0, 5353.0, 5451.0, 5588.0, 5505.0, 5717.0, 5300.0, 5613.0, 5559.0, 5615.0, 5390.0, 5544.0, 5475.0, 5504.0, 5294.0, 5546.0, 5367.0, 5641.0, 5378.0, 5389.0, 5295.0, 5262.0, 5592.0, 5663.0, 5645.0, 5651.0, 5510.0, 5640.0, 5662.0, 5319.0, 5391.0, 5575.0, 5707.0, 5636.0, 5525.0, 5720.0, 5362.0, 5347.0, 5286.0, 5251.0, 5433.0, 5434.0, 5503.0, 5279.0, 5502.0, 5359.0, 5671.0, 5318.0, 5466.0, 5270.0, 5560.0, 5446.0, 5557.0, 5287.0, 5400.0, 5293.0, 5683.0, 5339.0, 5437.0, 5633.0, 5464.0, 5531.0, 5594.0, 5701.0, 5714.0, 5589.0, 5394.0, 5486.0, 5512.0, 5420.0, 5659.0 (number of hits: 10)
13	5510.0	9	1.0	333	1	5658.0, 5556.0, 5503.0, 5573.0, 5722.0, 5315.0, 5523.0, 5600.0, 5345.0, 5488.0, 5287.0, 5339.0, 5636.0, 5608.0, 5688.0, 5254.0, 5506.0, 5616.0, 5510.0, 5721.0, 5540.0, 5712.0, 5289.0, 5602.0, 5314.0, 5517.0, 5605.0, 5422.0, 5367.0, 5267.0, 5387.0, 5498.0, 5363.0, 5635.0, 5657.0, 5459.0, 5568.0, 5647.0, 5388.0, 5595.0, 5374.0, 5293.0, 5404.0, 5298.0, 5318.0, 5401.0, 5273.0, 5509.0, 5317.0, 5299.0, 5644.0, 5582.0, 5612.0, 5646.0, 5425.0, 5358.0, 5403.0, 5487.0, 5258.0, 5414.0, 5502.0, 5445.0, 5507.0, 5504.0, 5701.0, 5575.0, 5279.0, 5607.0, 5666.0, 5584.0, 5365.0, 5489.0, 5390.0, 5576.0, 5442.0, 5580.0, 5706.0, 5698.0, 5513.0, 5570.0, 5718.0, 5455.0, 5427.0, 5590.0, 5435.0, 5253.0, 5301.0, 5300.0, 5626.0, 5643.0, 5477.0, 5567.0, 5645.0, 5295.0, 5260.0, 5693.0, 5305.0, 5328.0, 5714.0, 5566.0 (number of hits: 11)
14	5510.0	9	1.0	333	1	5594.0, 5313.0, 5560.0, 5424.0, 5430.0, 5715.0, 5623.0, 5577.0, 5354.0, 5256.0, 5634.0, 5321.0, 5271.0, 5507.0, 5339.0, 5548.0, 5580.0, 5663.0, 5275.0, 5668.0, 5632.0, 5281.0, 5589.0, 5342.0, 5463.0, 5483.0, 5259.0, 5461.0, 5390.0, 5542.0, 5274.0, 5457.0, 5439.0, 5383.0, 5458.0, 5392.0, 5448.0, 5492.0, 5552.0, 5409.0, 5693.0, 5517.0, 5538.0, 5514.0, 5475.0, 5386.0, 5506.0, 5388.0, 5379.0, 5385.0, 5722.0, 5578.0, 5459.0, 5376.0, 5495.0, 5278.0, 5574.0, 5373.0, 5456.0, 5713.0, 5359.0, 5254.0, 5471.0, 5569.0, 5291.0, 5315.0, 5657.0, 5418.0, 5311.0, 5375.0, 5298.0, 5613.0, 5700.0, 5676.0, 5627.0, 5451.0, 5419.0, 5596.0, 5537.0, 5287.0, 5724.0, 5622.0, 5330.0, 5642.0, 5694.0, 5425.0, 5405.0, 5295.0,

						5382.0, 5282.0, 5377.0, 5544.0, 5581.0, 5314.0, 5267.0, 5302.0, 5686.0, 5467.0, 5408.0, 5614.0 (number of hits: 6)
15	5510.0	9	1.0	333	1	5270.0, 5355.0, 5382.0, 5394.0, 5304.0, 5675.0, 5538.0, 5514.0, 5404.0, 5521.0, 5453.0, 5466.0, 5618.0, 5265.0, 5388.0, 5477.0, 5469.0, 5690.0, 5418.0, 5279.0, 5563.0, 5464.0, 5422.0, 5715.0, 5711.0, 5437.0, 5347.0, 5454.0, 5548.0, 5578.0, 5446.0, 5581.0, 5291.0, 5565.0, 5426.0, 5314.0, 5312.0, 5589.0, 5416.0, 5619.0, 5475.0, 5541.0, 5468.0, 5281.0, 5387.0, 5326.0, 5663.0, 5607.0, 5524.0, 5278.0, 5389.0, 5351.0, 5647.0, 5262.0, 5657.0, 5440.0, 5392.0, 5481.0, 5460.0, 5431.0, 5379.0, 5342.0, 5327.0, 5596.0, 5718.0, 5708.0, 5438.0, 5315.0, 5534.0, 5406.0, 5620.0, 5694.0, 5441.0, 5292.0, 5338.0, 5432.0, 5665.0, 5625.0, 5390.0, 5493.0, 5427.0, 5443.0, 5308.0, 5403.0, 5494.0, 5412.0, 5575.0, 5559.0, 5317.0, 5597.0, 5561.0, 5458.0, 5285.0, 5436.0, 5377.0, 5311.0, 5585.0, 5531.0, 5462.0, 5613.0 (number of hits: 5)
16	5510.0	9	1.0	333	1	5584.0, 5267.0, 5633.0, 5436.0, 5541.0, 5657.0, 5320.0, 5356.0, 5639.0, 5314.0, 5330.0, 5425.0, 5452.0, 5506.0, 5346.0, 5413.0, 5429.0, 5685.0, 5306.0, 5496.0, 5327.0, 5324.0, 5427.0, 5489.0, 5395.0, 5600.0, 5307.0, 5485.0, 5612.0, 5630.0, 5517.0, 5468.0, 5422.0, 5701.0, 5372.0, 5339.0, 5631.0, 5402.0, 5398.0, 5250.0, 5299.0, 5655.0, 5316.0, 5380.0, 5662.0, 5666.0, 5565.0, 5683.0, 5577.0, 5298.0, 5386.0, 5535.0, 5338.0, 5255.0, 5563.0, 5333.0, 5318.0, 5483.0, 5449.0, 5257.0, 5484.0, 5435.0, 5256.0, 5518.0, 5379.0, 5582.0, 5576.0, 5270.0, 5673.0, 5351.0, 5697.0, 5458.0, 5313.0, 5700.0, 5677.0, 5340.0, 5581.0, 5264.0, 5335.0, 5678.0, 5604.0, 5558.0, 5322.0, 5580.0, 5503.0, 5308.0, 5469.0, 5432.0, 5367.0, 5424.0, 5414.0, 5690.0, 5679.0, 5278.0, 5419.0, 5713.0, 5457.0, 5636.0, 5491.0, 5668.0 (number of hits: 5)
17	5510.0	9	1.0	333	1	5341.0, 5550.0, 5338.0, 5684.0, 5676.0, 5416.0, 5409.0, 5691.0, 5290.0, 5346.0, 5674.0, 5438.0, 5315.0, 5583.0, 5545.0, 5623.0, 5565.0, 5564.0, 5410.0, 5289.0, 5330.0, 5268.0, 5607.0, 5361.0, 5609.0, 5699.0, 5685.0, 5574.0, 5598.0, 5449.0, 5412.0, 5262.0, 5635.0, 5499.0, 5689.0, 5587.0, 5546.0, 5442.0, 5381.0, 5702.0, 5532.0, 5542.0, 5479.0, 5594.0, 5297.0, 5608.0, 5695.0, 5396.0, 5359.0, 5444.0, 5385.0, 5666.0, 5586.0, 5521.0, 5360.0, 5280.0, 5665.0, 5577.0, 5678.0, 5252.0, 5562.0, 5255.0, 5275.0, 5604.0, 5269.0, 5716.0, 5459.0, 5349.0, 5482.0, 5434.0, 5253.0, 5628.0, 5423.0, 5254.0, 5373.0, 5601.0, 5536.0, 5261.0, 5298.0, 5672.0, 5368.0, 5370.0, 5344.0, 5342.0, 5582.0, 5483.0, 5350.0, 5496.0, 5435.0, 5321.0, 5505.0, 5681.0, 5686.0, 5464.0, 5271.0, 5371.0, 5538.0, 5630.0, 5662.0, 5527.0 (number of hits: 5)
18	5510.0	9	1.0	333	1	5468.0, 5381.0, 5697.0, 5699.0, 5402.0, 5581.0, 5280.0, 5469.0, 5694.0, 5387.0, 5419.0, 5549.0, 5412.0, 5345.0, 5648.0, 5644.0, 5439.0, 5620.0, 5252.0, 5633.0, 5563.0, 5702.0, 5359.0, 5383.0, 5546.0, 5269.0, 5527.0, 5445.0, 5281.0, 5298.0, 5592.0, 5625.0, 5337.0, 5720.0, 5515.0, 5560.0, 5472.0, 5568.0, 5348.0, 5285.0, 5315.0, 5409.0, 5461.0, 5429.0, 5318.0, 5332.0, 5710.0, 5411.0, 5486.0, 5251.0, 5391.0, 5257.0, 5374.0, 5254.0, 5583.0, 5712.0, 5519.0, 5678.0, 5696.0, 5372.0, 5700.0, 5334.0, 5639.0, 5435.0, 5670.0, 5438.0, 5517.0, 5320.0, 5458.0, 5594.0, 5721.0, 5656.0, 5262.0, 5543.0, 5532.0, 5410.0, 5501.0, 5636.0, 5421.0, 5326.0, 5304.0, 5440.0, 5485.0, 5624.0, 5425.0, 5497.0, 5599.0, 5649.0, 5724.0, 5377.0, 5460.0, 5322.0, 5258.0, 5274.0, 5405.0, 5551.0, 5558.0, 5518.0, 5579.0, 5309.0 (number of hits: 7)
19	5510.0	9	1.0	333	1	5285.0, 5542.0, 5504.0, 5384.0, 5488.0, 5610.0, 5397.0, 5477.0, 5594.0, 5579.0, 5616.0, 5693.0, 5501.0, 5254.0, 5453.0, 5382.0, 5508.0, 5417.0, 5301.0, 5491.0, 5449.0, 5431.0, 5304.0, 5540.0, 5265.0, 5647.0, 5529.0, 5587.0, 5549.0, 5606.0, 5349.0, 5692.0, 5473.0, 5684.0, 5672.0, 5412.0, 5385.0, 5536.0, 5546.0, 5637.0, 5452.0, 5355.0, 5716.0, 5687.0, 5328.0, 5418.0, 5671.0, 5376.0, 5527.0, 5669.0, 5505.0, 5559.0, 5467.0, 5357.0, 5391.0, 5262.0, 5511.0, 5620.0, 5543.0, 5696.0, 5714.0, 5524.0, 5541.0, 5400.0,

						5282.0, 5711.0, 5622.0, 5659.0, 5295.0, 5276.0, 5337.0, 5281.0, 5576.0, 5454.0, 5267.0, 5448.0, 5567.0, 5624.0, 5475.0, 5432.0, 5688.0, 5694.0, 5345.0, 5664.0, 5679.0, 5636.0, 5604.0, 5257.0, 5364.0, 5534.0, 5348.0, 5463.0, 5595.0, 5600.0, 5367.0, 5399.0, 5354.0, 5585.0, 5535.0, 5451.0 (number of hits: 7)
20	5510.0	9	1.0	333	1	5698.0, 5403.0, 5467.0, 5579.0, 5590.0, 5442.0, 5399.0, 5282.0, 5684.0, 5457.0, 5505.0, 5364.0, 5304.0, 5474.0, 5500.0, 5416.0, 5263.0, 5586.0, 5542.0, 5714.0, 5679.0, 5506.0, 5533.0, 5636.0, 5349.0, 5480.0, 5479.0, 5604.0, 5338.0, 5511.0, 5683.0, 5266.0, 5595.0, 5400.0, 5584.0, 5284.0, 5597.0, 5549.0, 5452.0, 5515.0, 5685.0, 5689.0, 5351.0, 5268.0, 5333.0, 5255.0, 5660.0, 5451.0, 5464.0, 5408.0, 5717.0, 5362.0, 5688.0, 5556.0, 5337.0, 5456.0, 5447.0, 5450.0, 5534.0, 5632.0, 5564.0, 5303.0, 5695.0, 5445.0, 5357.0, 5365.0, 5609.0, 5287.0, 5316.0, 5438.0, 5494.0, 5540.0, 5588.0, 5643.0, 5554.0, 5687.0, 5715.0, 5667.0, 5598.0, 5355.0, 5608.0, 5298.0, 5384.0, 5330.0, 5710.0, 5449.0, 5526.0, 5463.0, 5314.0, 5492.0, 5383.0, 5277.0, 5644.0, 5435.0, 5495.0, 5259.0, 5440.0, 5358.0, 5498.0, 5328.0 (number of hits: 10)
21	5510.0	9	1.0	333	1	5656.0, 5709.0, 5250.0, 5722.0, 5559.0, 5664.0, 5663.0, 5406.0, 5516.0, 5348.0, 5672.0, 5640.0, 5276.0, 5368.0, 5574.0, 5421.0, 5414.0, 5719.0, 5527.0, 5340.0, 5359.0, 5544.0, 5713.0, 5465.0, 5393.0, 5454.0, 5683.0, 5506.0, 5379.0, 5400.0, 5290.0, 5374.0, 5381.0, 5629.0, 5350.0, 5522.0, 5450.0, 5667.0, 5497.0, 5653.0, 5625.0, 5687.0, 5659.0, 5598.0, 5702.0, 5641.0, 5383.0, 5332.0, 5579.0, 5352.0, 5330.0, 5486.0, 5291.0, 5576.0, 5429.0, 5472.0, 5341.0, 5355.0, 5496.0, 5431.0, 5708.0, 5375.0, 5568.0, 5543.0, 5508.0, 5569.0, 5679.0, 5605.0, 5587.0, 5403.0, 5710.0, 5424.0, 5654.0, 5272.0, 5280.0, 5462.0, 5616.0, 5380.0, 5661.0, 5637.0, 5467.0, 5306.0, 5652.0, 5326.0, 5704.0, 5385.0, 5398.0, 5673.0, 5487.0, 5471.0, 5541.0, 5353.0, 5646.0, 5347.0, 5561.0, 5635.0, 5501.0, 5489.0, 5546.0, 5458.0 (number of hits: 8)
22	5510.0	9	1.0	333	1	5612.0, 5373.0, 5273.0, 5490.0, 5451.0, 5428.0, 5399.0, 5487.0, 5357.0, 5544.0, 5459.0, 5261.0, 5304.0, 5321.0, 5669.0, 5509.0, 5516.0, 5438.0, 5671.0, 5515.0, 5505.0, 5682.0, 5448.0, 5524.0, 5389.0, 5461.0, 5312.0, 5583.0, 5691.0, 5656.0, 5418.0, 5621.0, 5508.0, 5264.0, 5297.0, 5517.0, 5424.0, 5265.0, 5539.0, 5359.0, 5560.0, 5369.0, 5252.0, 5371.0, 5540.0, 5567.0, 5498.0, 5629.0, 5527.0, 5272.0, 5447.0, 5652.0, 5409.0, 5533.0, 5415.0, 5481.0, 5512.0, 5288.0, 5444.0, 5665.0, 5412.0, 5561.0, 5446.0, 5707.0, 5576.0, 5350.0, 5488.0, 5363.0, 5346.0, 5295.0, 5694.0, 5599.0, 5504.0, 5368.0, 5708.0, 5269.0, 5511.0, 5336.0, 5300.0, 5324.0, 5441.0, 5392.0, 5603.0, 5334.0, 5382.0, 5430.0, 5578.0, 5250.0, 5348.0, 5528.0, 5325.0, 5497.0, 5618.0, 5437.0, 5473.0, 5637.0, 5257.0, 5502.0, 5633.0, 5510.0 (number of hits: 15)
23	5510.0	9	1.0	333	1	5275.0, 5532.0, 5382.0, 5562.0, 5604.0, 5442.0, 5716.0, 5536.0, 5678.0, 5320.0, 5657.0, 5289.0, 5412.0, 5570.0, 5663.0, 5622.0, 5491.0, 5492.0, 5612.0, 5648.0, 5664.0, 5341.0, 5644.0, 5710.0, 5699.0, 5324.0, 5691.0, 5653.0, 5399.0, 5370.0, 5339.0, 5477.0, 5314.0, 5652.0, 5514.0, 5292.0, 5326.0, 5359.0, 5449.0, 5569.0, 5531.0, 5351.0, 5321.0, 5368.0, 5366.0, 5459.0, 5578.0, 5343.0, 5313.0, 5434.0, 5344.0, 5542.0, 5520.0, 5499.0, 5356.0, 5308.0, 5581.0, 5445.0, 5391.0, 5669.0, 5425.0, 5654.0, 5649.0, 5453.0, 5257.0, 5279.0, 5283.0, 5505.0, 5365.0, 5613.0, 5550.0, 5280.0, 5440.0, 5568.0, 5411.0, 5634.0, 5621.0, 5625.0, 5518.0, 5507.0, 5352.0, 5490.0, 5414.0, 5345.0, 5404.0, 5560.0, 5712.0, 5470.0, 5615.0, 5265.0, 5711.0, 5418.0, 5619.0, 5303.0, 5558.0, 5708.0, 5420.0, 5655.0, 5679.0, 5546.0 (number of hits: 7)
24	5510.0	9	1.0	333	1	5657.0, 5650.0, 5492.0, 5600.0, 5263.0, 5561.0, 5432.0, 5319.0, 5383.0, 5389.0, 5311.0, 5641.0, 5489.0, 5262.0, 5710.0, 5586.0, 5356.0, 5393.0, 5381.0, 5503.0, 5582.0, 5372.0, 5260.0, 5629.0, 5646.0, 5252.0, 5309.0, 5715.0, 5500.0, 5334.0, 5579.0, 5685.0, 5376.0, 5379.0, 5475.0, 5466.0, 5255.0, 5254.0, 5317.0, 5659.0,

						5507.0, 5395.0, 5430.0, 5374.0, 5358.0, 5663.0, 5330.0, 5694.0, 5413.0, 5590.0, 5293.0, 5357.0, 5341.0, 5437.0, 5680.0, 5526.0, 5460.0, 5273.0, 5458.0, 5296.0, 5403.0, 5642.0, 5282.0, 5302.0, 5280.0, 5724.0, 5316.0, 5287.0, 5409.0, 5719.0, 5405.0, 5322.0, 5398.0, 5327.0, 5709.0, 5276.0, 5314.0, 5435.0, 5549.0, 5669.0, 5497.0, 5480.0, 5556.0, 5635.0, 5722.0, 5446.0, 5425.0, 5525.0, 5501.0, 5594.0, 5307.0, 5702.0, 5676.0, 5353.0, 5607.0, 5404.0, 5390.0, 5297.0, 5531.0, 5550.0 (number of hits: 8
25	5510.0	9	1.0	333	1	5401.0, 5387.0, 5702.0, 5445.0, 5311.0, 5577.0, 5703.0, 5634.0, 5355.0, 5476.0, 5606.0, 5433.0, 5348.0, 5724.0, 5335.0, 5519.0, 5430.0, 5624.0, 5358.0, 5526.0, 5352.0, 5596.0, 5672.0, 5384.0, 5323.0, 5642.0, 5626.0, 5443.0, 5345.0, 5572.0, 5600.0, 5258.0, 5372.0, 5514.0, 5518.0, 5483.0, 5721.0, 5364.0, 5337.0, 5607.0, 5388.0, 5522.0, 5379.0, 5271.0, 5466.0, 5296.0, 5281.0, 5677.0, 5584.0, 5377.0, 5709.0, 5460.0, 5407.0, 5302.0, 5485.0, 5527.0, 5618.0, 5393.0, 5321.0, 5449.0, 5294.0, 5637.0, 5639.0, 5491.0, 5499.0, 5582.0, 5297.0, 5291.0, 5574.0, 5309.0, 5288.0, 5528.0, 5561.0, 5511.0, 5426.0, 5636.0, 5342.0, 5419.0, 5659.0, 5714.0, 5560.0, 5722.0, 5704.0, 5611.0, 5556.0, 5405.0, 5373.0, 5478.0, 5317.0, 5486.0, 5474.0, 5629.0, 5705.0, 5390.0, 5432.0, 5280.0, 5533.0, 5441.0, 5535.0, 5498.0 (number of hits: 9)
26	5510.0	9	1.0	333	1	5256.0, 5320.0, 5298.0, 5294.0, 5326.0, 5498.0, 5308.0, 5457.0, 5713.0, 5508.0, 5629.0, 5370.0, 5621.0, 5283.0, 5712.0, 5477.0, 5450.0, 5518.0, 5724.0, 5517.0, 5441.0, 5654.0, 5432.0, 5512.0, 5352.0, 5676.0, 5451.0, 5374.0, 5623.0, 5664.0, 5259.0, 5599.0, 5492.0, 5315.0, 5522.0, 5696.0, 5376.0, 5361.0, 5511.0, 5608.0, 5556.0, 5331.0, 5314.0, 5628.0, 5541.0, 5604.0, 5404.0, 5695.0, 5529.0, 5442.0, 5674.0, 5406.0, 5328.0, 5408.0, 5573.0, 5627.0, 5609.0, 5557.0, 5496.0, 5519.0, 5532.0, 5300.0, 5467.0, 5443.0, 5468.0, 5304.0, 5510.0, 5366.0, 5614.0, 5472.0, 5607.0, 5667.0, 5348.0, 5461.0, 5324.0, 5605.0, 5700.0, 5429.0, 5520.0, 5643.0, 5707.0, 5254.0, 5584.0, 5497.0, 5582.0, 5598.0, 5711.0, 5685.0, 5317.0, 5250.0, 5509.0, 5385.0, 5399.0, 5426.0, 5569.0, 5537.0, 5544.0, 5280.0, 5495.0, 5680.0 (number of hits: 15)
27	5510.0	9	1.0	333	1	5468.0, 5646.0, 5594.0, 5708.0, 5267.0, 5330.0, 5343.0, 5478.0, 5630.0, 5276.0, 5324.0, 5432.0, 5495.0, 5694.0, 5310.0, 5531.0, 5715.0, 5334.0, 5661.0, 5461.0, 5526.0, 5578.0, 5304.0, 5507.0, 5472.0, 5687.0, 5634.0, 5709.0, 5508.0, 5300.0, 5435.0, 5337.0, 5437.0, 5364.0, 5487.0, 5699.0, 5511.0, 5327.0, 5624.0, 5591.0, 5275.0, 5402.0, 5554.0, 5326.0, 5643.0, 5346.0, 5682.0, 5625.0, 5663.0, 5724.0, 5592.0, 5587.0, 5560.0, 5458.0, 5449.0, 5590.0, 5557.0, 5716.0, 5325.0, 5675.0, 5652.0, 5574.0, 5683.0, 5348.0, 5639.0, 5423.0, 5394.0, 5490.0, 5609.0, 5491.0, 5424.0, 5529.0, 5319.0, 5517.0, 5569.0, 5568.0, 5551.0, 5411.0, 5428.0, 5418.0, 5290.0, 5361.0, 5564.0, 5369.0, 5355.0, 5524.0, 5664.0, 5373.0, 5702.0, 5499.0, 5638.0, 5657.0, 5354.0, 5406.0, 5608.0, 5384.0, 5447.0, 5621.0, 5659.0, 5671.0 (number of hits: 8)
28	5510.0	9	1.0	333	1	5670.0, 5547.0, 5272.0, 5596.0, 5601.0, 5676.0, 5512.0, 5280.0, 5569.0, 5518.0, 5372.0, 5684.0, 5386.0, 5605.0, 5436.0, 5671.0, 5373.0, 5531.0, 5697.0, 5625.0, 5297.0, 5341.0, 5553.0, 5411.0, 5305.0, 5575.0, 5437.0, 5285.0, 5275.0, 5366.0, 5458.0, 5713.0, 5599.0, 5508.0, 5346.0, 5352.0, 5470.0, 5492.0, 5576.0, 5650.0, 5293.0, 5317.0, 5616.0, 5521.0, 5257.0, 5603.0, 5633.0, 5281.0, 5653.0, 5626.0, 5711.0, 5617.0, 5615.0, 5529.0, 5517.0, 5455.0, 5628.0, 5408.0, 5621.0, 5291.0, 5648.0, 5494.0, 5520.0, 5649.0, 5587.0, 5383.0, 5561.0, 5463.0, 5468.0, 5395.0, 5316.0, 5307.0, 5442.0, 5703.0, 5296.0, 5355.0, 5286.0, 5290.0, 5549.0, 5415.0, 5349.0, 5555.0, 5478.0, 5331.0, 5524.0, 5310.0, 5336.0, 5604.0, 5359.0, 5289.0, 5637.0, 5260.0, 5340.0, 5309.0, 5511.0, 5644.0, 5639.0, 5298.0, 5686.0, 5332.0 (number of hits: 10)
29	5510.0	9	1.0	333	1	5559.0, 5543.0, 5639.0, 5307.0, 5271.0, 5676.0, 5652.0, 5282.0, 5253.0, 5667.0, 5320.0, 5294.0, 5392.0, 5469.0, 5609.0, 5415.0,

						5694.0, 5438.0, 5638.0, 5483.0, 5712.0, 5546.0, 5490.0, 5267.0, 5447.0, 5273.0, 5677.0, 5540.0, 5501.0, 5389.0, 5315.0, 5368.0, 5449.0, 5340.0, 5656.0, 5288.0, 5584.0, 5582.0, 5409.0, 5428.0, 5319.0, 5567.0, 5400.0, 5293.0, 5556.0, 5306.0, 5499.0, 5526.0, 5536.0, 5385.0, 5399.0, 5517.0, 5510.0, 5598.0, 5619.0, 5435.0, 5718.0, 5724.0, 5312.0, 5591.0, 5390.0, 5301.0, 5335.0, 5555.0, 5562.0, 5701.0, 5497.0, 5309.0, 5302.0, 5470.0, 5503.0, 5485.0, 5691.0, 5717.0, 5356.0, 5549.0, 5525.0, 5597.0, 5259.0, 5579.0, 5258.0, 5594.0, 5498.0, 5333.0, 5455.0, 5542.0, 5507.0, 5300.0, 5522.0, 5578.0, 5589.0, 5521.0, 5436.0, 5441.0, 5714.0, 5270.0, 5426.0, 5467.0, 5534.0, 5707.0 (number of hits: 12)
30	5510.0	9	1.0	333	1	5713.0, 5319.0, 5322.0, 5547.0, 5250.0, 5571.0, 5494.0, 5422.0, 5308.0, 5585.0, 5531.0, 5568.0, 5559.0, 5410.0, 5546.0, 5428.0, 5265.0, 5556.0, 5554.0, 5488.0, 5318.0, 5581.0, 5715.0, 5590.0, 5370.0, 5384.0, 5484.0, 5298.0, 5355.0, 5372.0, 5711.0, 5560.0, 5615.0, 5344.0, 5534.0, 5275.0, 5463.0, 5541.0, 5360.0, 5286.0, 5324.0, 5312.0, 5417.0, 5662.0, 5619.0, 5425.0, 5558.0, 5321.0, 5284.0, 5651.0, 5449.0, 5538.0, 5323.0, 5603.0, 5297.0, 5657.0, 5622.0, 5288.0, 5475.0, 5683.0, 5646.0, 5584.0, 5716.0, 5444.0, 5514.0, 5497.0, 5654.0, 5276.0, 5290.0, 5382.0, 5524.0, 5399.0, 5516.0, 5637.0, 5595.0, 5552.0, 5648.0, 5378.0, 5722.0, 5353.0, 5359.0, 5528.0, 5362.0, 5420.0, 5412.0, 5492.0, 5398.0, 5557.0, 5366.0, 5263.0, 5358.0, 5663.0, 5448.0, 5447.0, 5537.0, 5501.0, 5708.0, 5682.0, 5310.0, 5597.0 (number of hits: 7)

P2MP Mode
Iron Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	73.3 %	60%	Pass
Aggregate (Type1 to 4)	120	87.5 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	89	1.0	598	1
2	76	1.0	698	1
3	70	1.0	758	1
4	59	1.0	898	1
5	61	1.0	878	1
6	57	1.0	938	1
7	58	1.0	918	1
8	72	1.0	738	1
9	83	1.0	638	1
10	78	1.0	678	1
11	99	1.0	538	1
12	63	1.0	838	1
13	62	1.0	858	1
14	65	1.0	818	1
15	68	1.0	778	1
16	21	1.0	2523	1
17	32	1.0	1691	1
18	18	1.0	3040	1
19	29	1.0	1851	1
20	23	1.0	2352	1
21	18	1.0	3007	1
22	45	1.0	1190	1
23	79	1.0	675	1
24	20	1.0	2700	1
25	28	1.0	1926	1
26	20	1.0	2732	1
27	29	1.0	1883	1
28	27	1.0	2000	1
29	28	1.0	1913	1
30	85	1.0	625	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	26	4.1	219	1
2	25	2.7	172	0
3	24	2.3	151	1
4	28	1.3	225	1
5	25	3.8	163	1
6	26	2.0	210	1
7	25	3.5	176	1
8	25	3.3	220	1
9	24	2.1	218	0
10	28	3.8	180	1
11	24	1.8	161	1
12	26	3.0	215	1
13	25	4.5	177	1
14	24	1.8	174	1
15	27	3.7	161	1
16	29	1.3	191	1
17	23	2.7	171	1
18	24	1.4	214	1
19	23	4.4	168	1
20	28	1.9	195	0
21	23	2.7	163	1
22	27	4.9	200	1
23	28	1.1	201	1
24	25	2.9	202	1
25	28	4.1	215	1
26	26	1.6	157	1
27	28	2.9	184	1
28	29	3.4	161	1
29	27	2.7	203	1
30	28	1.5	226	1
Detection Percentage: 90 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	6.9	373	1
2	18	9.4	428	1
3	18	8.1	444	1
4	16	10.0	385	1
5	17	8.8	239	1
6	18	9.5	305	0
7	18	7.8	469	1
8	17	6.4	223	0
9	18	9.3	312	1
10	16	7.7	452	1
11	18	9.2	233	1
12	16	7.0	481	1
13	18	7.7	499	0
14	18	9.9	250	1
15	18	6.8	230	1
16	17	7.2	478	1
17	17	9.4	219	1
18	18	6.9	421	1
19	17	9.7	409	1
20	17	9.5	219	0
21	16	6.5	412	1
22	17	6.2	327	1
23	17	8.1	443	1
24	16	7.2	377	1
25	18	7.8	257	1
26	17	9.8	491	1
27	16	9.9	427	1
28	17	7.7	236	1
29	18	9.8	314	1
30	17	6.9	263	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	14	19.4	202	1
2	16	15.5	453	1
3	14	11.7	222	0
4	15	14.3	222	1
5	15	14.3	210	1
6	12	17.2	401	1
7	12	19.3	205	0
8	12	19.9	306	1
9	14	13.3	337	0
10	13	15.5	223	1
11	12	13.6	432	1
12	16	15.8	351	0
13	13	16.6	405	1
14	13	19.9	454	1
15	16	13.0	404	1
16	13	11.8	221	1
17	12	12.8	325	0
18	16	18.6	257	1
19	16	19.8	361	1
20	15	18.8	233	0
21	14	15.8	428	1
22	12	19.2	429	0
23	16	17.4	488	1
24	12	18.9	206	1
25	12	18.7	236	1
26	12	14.6	396	1
27	12	12.1	214	1
28	16	11.8	346	1
29	14	12.9	426	0
30	16	14.7	288	1
Detection Percentage: 73.3 % (>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	5498.9	1
12	5494.9	1
13	5498.1	1
14	5498.1	1
15	5498.1	1
16	5497.7	1
17	5494.5	1
18	5498.5	1
19	5498.9	1
20	5499.3	1
21	5562.3	1
22	5559.5	1
23	5559.5	1
24	5561.9	1
25	5562.3	1
26	5563.9	1
27	5559.9	1
28	5564.3	1
29	5565.1	1
30	5561.1	1
Detection Percentage: 100 % (>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	10	77.4	1338		0.763031	1
1	2	10	94.9	1884		2.126355	
2	2	10	80.3	1733		3.770881	
3	3	10	89.3	1134	1377	5.234218	
4	1	10	50.3			5.959671	
5	2	10	81.0	1429		7.511881	
6	2	10	56.6	1632		8.173160	
7	2	10	59.6	1811		10.410860	
8	3	10	99.2	1833	1799	10.75704	

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	6	69.3	1995		0.526231	1
1	2	6	68.6	1645		0.667764	
2	1	6	66.5			1.843670	
3	2	6	87.2	1549		2.594375	
4	2	6	96.5	1040		3.101596	
5	2	6	69.5	1870		3.770228	
6	1	6	84.4			4.188709	
7	3	6	61.9	1299	1399	4.737163	
8	1	6	93.6			5.546925	
9	2	6	66.5	1459		6.003957	
10	2	6	57.5	1213		6.975386	
11	1	6	99.7			7.684055	
12	3	6	75.7	1957	1621	8.548961	
13	1	6	85.0			8.920297	
14	2	6	52.8	1198		9.858865	
15	2	6	81.3	1518		10.031897	
16	2	6	56.9	1203		10.896045	
17	2	6	72.2	1719		11.960259	

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	8	63.9			0.612566	
1	3	8	51.1	1012	1644	1.111340	
2	2	8	57.1	1009		2.295064	
3	2	8	86.1	1619		4.005331	
4	2	8	58.5	1658		4.587855	
5	2	8	74.7	1113		5.741585	1
6	2	8	55.8	1732		7.578536	
7	2	8	80.1	1229		7.796879	
8	2	8	81.8	1389		9.433317	
9	2	8	69.5	1576		10.036590	
10	1	8	50.4			11.060463	

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	50.3			0.229074	
1	2	9	78.2	1103		0.828624	
2	2	9	93.9	1106		1.313668	
3	3	9	64.9	1106	1883	2.106993	
4	2	9	99.5	1436		2.679184	
5	1	9	92.9			3.234151	
6	2	9	65.6	1359		4.172722	
7	2	9	78.7	1401		4.731419	
8	2	9	98.1	1432		5.468528	
9	3	9	81.6	1477	1856	5.752689	1
10	3	9	69.5	1294	1174	6.657540	
11	3	9	52.9	1194	1810	7.350293	
12	1	9	98.6			7.943121	
13	1	9	74.9			8.722871	
14	2	9	74.8	1801		9.231331	
15	2	9	55.8	1805		9.967065	
16	2	9	88.6	1372		10.166676	
17	1	9	52.2			11.316781	
18	2	9	58.9	1717		11.389976	

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	69.6	1240		1.010849	
1	2	9	74.7	1864		2.014997	
2	3	9	80.1	1655	1141	3.531084	
3	2	9	52.9	1357		4.904226	
4	3	9	65.2	1223	1353	6.617409	1
5	1	9	87.5			6.807163	
6	2	9	93.7	1180		8.111936	
7	1	9	54.8			9.821779	
8	3	9	68.8	1807	1922	11.661473	

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	14	65.8	1514		0.275816	
1	3	14	50.4	1902	1599	0.756501	
2	3	14	93.3	1132	1124	1.836918	
3	3	14	70.4	1937	1030	2.392880	
4	1	14	82.0			3.551526	
5	1	14	78.4			3.956256	
6	2	14	58.6	1818		5.080139	
7	2	14	93.7	1479		5.336948	
8	3	14	88.5	1686	1081	6.268996	1
9	3	14	54.1	1216	1028	7.074510	
10	1	14	77.1			8.224765	
11	2	14	53.4	1559		8.971165	
12	2	14	68.9	1532		9.214320	
13	3	14	85.0	1067	1608	10.056157	
14	3	14	73.0	1653	1999	11.022470	
15	2	14	57.3	1979		11.493796	

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)
3	3	10	65.3	1205	1611	0.403388	
1	3	10	64.4	1138	1733	1.492958	
2	2	10	72.8	1496		2.370513	
3	1	10	62.9			2.780419	
4	2	10	71.0	1239		4.446988	
5	2	10	68.6	1189		5.129001	
6	3	10	81.2	1467	1247	5.699426	1
7	2	10	78.4	1102		6.690596	
8	2	10	69.3	1119		7.596233	
9	3	10	84.6	1305	1260	8.686357	
10	3	10	86.4	1862	1559	9.792193	
11	1	10	97.5			10.352185	
12	1	10	76.8			11.288733	

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	15	72.9	1364		0.370703	
1	3	15	71.1	1497	1849	2.854784	
2	2	15	78.3	1562		3.069961	
3	2	15	68.4	1852		5.177798	
4	3	15	75.9	1537	1387	6.878251	1
5	2	15	60.4	1384		7.908488	
6	2	15	51.0	1495		9.222792	
7	2	15	96.9	1165		11.099586	

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	14	78.9	1751		0.384191	
1	2	14	50.9	1449		0.817723	
2	2	14	64.4	1691		2.052381	
3	2	14	77.4	1521		2.291034	
4	2	14	84.2	1395		3.173128	
5	1	14	75.1			3.908647	
6	3	14	66.2	1466	1183	4.819665	
7	2	14	89.2	1728		5.624410	
8	3	14	60.4	1939	1965	5.821235	1
9	3	14	97.0	1323	1978	7.006606	
10	1	14	82.9			7.407916	
11	3	14	67.4	1761	1866	7.829161	
12	2	14	90.5	1928		8.576474	
13	3	14	65.5	1525	1285	9.774776	
14	3	14	91.1	1581	1517	10.308337	
15	3	14	59.5	1145	1635	11.086263	
16	2	14	56.0	1524		11.324395	

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	1	9	80.1			0.302566	
1	2	9	87.0	1456		1.004891	
2	2	9	63.5	1428		1.475095	
3	1	9	90.1			2.165549	
4	2	9	67.1	1588		2.584214	
5	2	9	63.9	1085		3.495032	
6	2	9	94.8	1839		4.298917	
7	2	9	74.2	1569		4.940855	
8	2	9	58.2	1623		5.483676	
9	1	9	69.7			6.166820	1
10	1	9	52.7			6.719611	
11	3	9	76.2	1958	1989	6.989132	
12	1	9	85.0			8.065129	
13	1	9	84.4			8.541234	
14	2	9	60.0	1025		9.210112	
15	2	9	91.1	1046		9.775450	
16	2	9	72.7	1074		10.624049	
17	2	9	92.8	1545		10.841576	
18	2	9	84.2	1102		11.765283	

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	16	61.2	1664		1.272194	1
1	3	16	64.4	1858	1098	1.598852	
2	1	16	67.3			3.061147	
3	3	16	62.4	1988	1622	5.395227	
4	3	16	61.6	1926	1919	6.902573	
5	2	16	92.9	1445		8.656276	
6	1	16	90.4			9.925283	
7	3	16	56.6	1193	1230	10.957756	

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	96.0	1709		0.688009	1
1	3	6	89.8	1768	1735	1.508947	
2	2	6	77.3	1660		2.122615	
3	2	6	53.0	1398		2.698268	
4	3	6	64.9	1087	1327	3.899004	
5	2	6	90.2	1527		4.330773	
6	3	6	57.3	1309	1616	5.072696	
7	1	6	98.6			6.208585	
8	2	6	61.3	1774		6.541994	
9	2	6	66.0	1046		7.391350	
10	2	6	78.2	1063		8.145392	
11	2	6	90.4	1308		8.835851	
12	3	6	98.3	1904	1657	10.146975	
13	3	6	83.0	1540	1153	10.584481	
14	2	6	77.1	1143		11.605341	

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	14	59.7	1916		0.174982	
1	1	14	92.6			0.931541	
2	3	14	50.4	1805	1074	1.581214	
3	2	14	68.5	1565		2.779578	
4	2	14	61.5	1359		2.971388	
5	1	14	70.7			3.671379	
6	1	14	71.6			4.712853	
7	3	14	95.9	1920	1433	5.063300	
8	3	14	55.2	1909	1196	5.749993	1
9	2	14	77.4	1281		6.801912	
10	2	14	97.6	1236		7.307028	
11	1	14	90.7			8.158118	
12	3	14	84.8	1723	1421	8.997641	
13	2	14	66.7	1806		9.744877	
14	2	14	58.0	1389		10.366626	
15	3	14	77.9	1412	1995	11.128824	
16	2	14	81.7	1459		11.739220	

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	14	93.6	1401		0.017980	
1	3	14	70.9	1993	1855	0.969893	
2	3	14	52.6	1855	1239	1.957831	
3	2	14	52.4	1031		2.601219	
4	2	14	51.2	1216		3.408811	
5	1	14	95.1			3.911134	
6	1	14	88.1			5.043140	
7	3	14	75.8	1256	1349	5.932342	
8	2	14	96.8	1473		6.158330	1
9	2	14	86.7	1529		7.142558	
10	2	14	88.6	1395		8.028997	
11	3	14	51.8	1963	1788	8.415038	
12	2	14	81.1	1306		9.621112	
13	1	14	67.9			10.194388	
14	2	14	65.2	1356		10.907923	
15	2	14	93.1	1609		11.286144	

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	14	91.2	1505	1032	0.376637	
1	3	14	91.4	1348	1433	1.118783	
2	2	14	89.7	1255		2.462456	
3	2	14	68.0	1179		2.806057	
4	2	14	52.7	1883		3.795445	
5	2	14	56.7	1787		5.172690	
6	1	14	90.5			6.364740	1
7	2	14	93.7	1881		6.521480	
8	2	14	91.7	1512		8.182313	
9	2	14	85.6	1219		8.501945	
10	3	14	79.7	1633	1926	9.741481	
11	2	14	81.0	1263		10.528538	
12	3	14	83.3	1588	1523	11.370056	

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	13	98.1			0.300348	
1	2	13	62.0	1122		1.349267	
2	2	13	83.7	1936		1.769978	
3	1	13	72.5			2.813346	
4	2	13	83.0	1099		3.336531	
5	2	13	65.0	1154		3.847300	
6	1	13	64.8			4.810156	
7	3	13	51.6	1731	1685	5.818600	1
8	3	13	94.4	1513	1772	6.274001	
9	1	13	76.6			7.486290	
10	1	13	68.7			7.665668	
11	2	13	68.2	1191		8.571863	
12	3	13	58.8	1834	1397	9.626538	
13	2	13	74.8	1269		9.825787	
14	2	13	53.4	1754		10.852730	
15	2	13	74.3	1841		11.801094	

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	5	88.2	1657	1022	0.094416	1
1	1	5	57.9			0.926842	
2	2	5	99.7	1689		1.852077	
3	3	5	72.4	1250	1376	2.083515	
4	3	5	82.4	1695	1637	2.988683	
5	1	5	58.8			3.945674	
6	2	5	90.9	1346		4.549794	
7	2	5	91.0	1649		5.091811	
8	2	5	86.8	1223		5.708645	
9	3	5	77.3	1853	1821	6.303942	
10	2	5	69.0	1545		6.960456	
11	2	5	65.3	1699		7.828425	
12	3	5	58.8	1889	1512	8.280632	
13	3	5	50.3	1284	1847	9.200601	
14	1	5	83.9			9.673038	
15	1	5	59.8			10.517103	
16	3	5	88.2	1132	1999	11.074592	
17	2	5	93.1	1183		11.936100	

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	15	55.6			0.559762	1
1	3	15	80.1	1287	1339	1.041572	
2	2	15	89.1	1883		2.554151	
3	3	15	89.3	1782	1716	3.701137	
4	2	15	79.3	1810		4.978741	
5	1	15	73.1			5.710600	
6	2	15	54.8	1274		6.507395	
7	2	15	84.8	1434		7.652945	
8	3	15	97.1	1705	1579	8.085979	
9	3	15	86.0	1463	1271	9.780983	
10	2	15	78.2	1465		10.447582	
11	2	15	61.6	1962		11.207519	

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	16	50.5	1264		0.892847	1
1	1	16	87.3			1.958399	
2	1	16	99.0			4.305371	
3	3	16	56.9	1686	1478	4.703514	
4	3	16	58.3	1913	1571	7.064531	
5	2	16	56.2	1325		8.003347	
6	1	16	81.7			9.042375	
7	2	16	57.4	1155		10.981954	

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	92.0	1381		0.221035	1
1	2	17	66.1	1409		0.707074	
2	2	17	63.7	1680		1.632064	
3	1	17	83.6			2.631383	
4	2	17	84.3	1027		2.708318	
5	3	17	54.0	1965	1491	3.395840	
6	3	17	67.0	1429	1198	4.279287	
7	1	17	93.6			5.019152	
8	1	17	93.8			5.791138	
9	2	17	89.6	1628		6.134751	
10	3	17	83.0	1846	1920	6.862046	
11	2	17	72.7	1818		7.964549	
12	3	17	54.9	1381	1051	8.136198	
13	3	17	57.1	1332	1959	8.912316	
14	3	17	78.3	1493	1199	9.536884	
15	2	17	68.4	1444		10.133899	
16	2	17	74.4	1691		10.699394	
17	3	17	89.4	1054	1485	11.969455	

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	57.2	1761		0.929935	1
1	3	13	69.6	1102	1903	1.667652	
2	3	13	91.6	1368	1165	2.629503	
3	2	13	55.4	1237		3.343233	
4	1	13	85.3			4.137639	
5	1	13	89.6			5.977590	
6	1	13	73.4			6.575888	
7	2	13	84.9	1671		7.217913	
8	1	13	62.4			8.363365	
9	1	13	90.5			9.936702	
10	2	13	75.5	1749		10.536341	
11	2	13	87.7	1548		11.832630	

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	20	99.9	1183		0.990661	1
1	2	20	87.5	1228		1.917130	
2	1	20	93.1			3.057493	
3	1	20	58.8			4.277714	
4	2	20	70.4	1688		5.659698	
5	2	20	55.3	1330		7.968876	
6	1	20	99.7			9.000615	
7	2	20	87.1	1074		9.624783	
8	1	20	88.8			11.839273	

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	83.0	1595		0.144716	1
1	2	20	87.1	1813		0.862506	
2	1	20	73.9			1.645690	
3	3	20	52.8	1448	1616	2.031569	
4	2	20	75.8	1554		2.832709	
5	2	20	60.2	1815		3.214021	
6	2	20	80.2	1548		3.869513	
7	2	20	59.2	1200		4.575718	
8	1	20	57.2			5.372753	
9	1	20	81.7			5.539397	
10	2	20	52.5	1775		6.391413	
11	2	20	98.4	1152		6.857460	
12	2	20	74.8	1814		7.571915	
13	3	20	70.5	1858	1588	8.259344	
14	2	20	71.0	1217		8.411074	
15	1	20	96.0			9.542498	
16	2	20	66.6	1717		9.897292	
17	1	20	58.9			10.784320	
18	2	20	89.5	1556		11.271716	
19	1	20	72.7			11.966832	

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	72.9	1761		0.957335	1
1	3	14	90.7	1390	1832	2.389459	
2	2	14	79.3	1441		2.605837	
3	2	14	68.4	1243		3.636121	
4	1	14	95.6			5.585440	
5	3	14	90.4	1653	1600	6.781004	
6	3	14	98.8	1765	1332	8.388071	
7	2	14	65.4	1228		8.559310	
8	1	14	92.2			9.792095	
9	2	14	70.6	1716		11.804392	

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	13	87.5	1363		0.977158	1
1	2	13	80.0	1459		1.820730	
2	1	13	90.0			3.922613	
3	2	13	57.6	1684		4.594943	
4	2	13	56.9	1345		5.910697	
5	3	13	69.4	1766	1418	6.795642	
6	2	13	97.9	1330		8.942049	
7	1	13	98.5			9.900301	
8	2	13	74.4	1345		11.027771	

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	9	72.2			0.270935	1
1	3	9	55.3	1627	1980	1.254139	
2	2	9	55.4	1949		2.027945	
3	2	9	54.5	1033		2.612917	
4	1	9	77.0			3.787222	
5	1	9	83.5			4.727273	
6	2	9	56.7	1025		5.903037	
7	1	9	51.3			6.155313	
8	2	9	52.8	1951		7.155077	
9	2	9	75.7	1156		7.755466	
10	1	9	70.7			8.735689	
11	3	9	80.3	1770	1675	9.918086	
12	1	9	84.6			10.324289	
13	1	9	53.9			11.311449	

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	19	87.5	1752	1229	0.055813	1
1	1	19	50.3			0.799774	
2	2	19	84.4	1482		1.771887	
3	3	19	97.3	1031	1215	2.545151	
4	2	19	67.6	1170		3.153211	
5	2	19	87.0	1791		4.299280	
6	1	19	81.7			4.689197	
7	2	19	82.7	1748		5.612681	
8	3	19	85.6	1134	1112	6.419613	
9	3	19	69.7	1419	1015	7.034555	
10	3	19	97.2	1090	1603	7.538680	
11	1	19	63.0			8.278358	
12	2	19	73.8	1047		9.495362	
13	1	19	86.9			10.395154	
14	3	19	77.4	1510	1216	11.223320	
15	2	19	52.7	1696		11.705363	

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	58.2	1155	1149	0.357495	
1	3	8	58.7	1580	1831	0.792522	
2	2	8	65.1	1296		1.313690	
3	3	8	89.3	1319	1514	2.192592	
4	2	8	84.4	1602		2.670789	
5	2	8	95.4	1279		3.508346	
6	3	8	71.5	1627	1521	4.410344	
7	3	8	82.7	1413	1463	4.447010	
8	2	8	60.3	1079		5.134506	
9	1	8	70.9			6.230198	1
10	1	8	57.9			6.722605	
11	2	8	64.7	1373		7.033364	
12	3	8	84.0	1945	1048	7.771552	
13	3	8	51.2	1343	1377	8.526094	
14	1	8	55.2			9.439769	
15	2	8	86.5	1343		9.616754	
16	3	8	81.2	1288	1986	10.213389	
17	2	8	99.4	1144		10.853632	
18	3	8	73.6	1899	1303	11.584840	

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	6	92.9			0.849079	
1	2	6	87.7	1717		1.010180	
2	2	6	82.4	1881		2.043186	
3	2	6	88.6	1948		2.707358	
4	2	6	55.0	1953		4.051587	
5	2	6	64.7	1663		4.452068	
6	2	6	65.1	1156		5.519835	
7	3	6	62.0	1288	1866	6.191411	1
8	3	6	90.4	1482	1231	7.309195	
9	2	6	74.3	1148		8.269695	
10	1	6	59.5			8.698702	
11	1	6	80.8			9.710179	
12	1	6	62.0			10.292899	
13	2	6	68.3	1896		11.720236	

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	16	70.7	1955	1015	0.463365	1
1	2	16	70.1	1140		1.543675	
2	3	16	95.0	1952	1279	2.685433	
3	2	16	94.9	1063		3.610630	
4	2	16	71.1	1159		5.183350	
5	1	16	57.3			6.856389	
6	2	16	89.1	1478		7.452862	
7	1	16	61.5			8.897617	
8	2	16	74.9	1904		10.175954	
9	3	16	65.3	1084	1196	11.672389	

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	5530.0	9	1.0	333	1	5612.0, 5588.0, 5635.0, 5543.0, 5714.0, 5559.0, 5277.0, 5319.0, 5449.0, 5584.0, 5557.0, 5457.0, 5307.0, 5474.0, 5469.0, 5604.0, 5667.0, 5545.0, 5575.0, 5386.0, 5315.0, 5444.0, 5516.0, 5674.0, 5285.0, 5342.0, 5627.0, 5330.0, 5466.0, 5367.0, 5499.0, 5434.0, 5252.0, 5280.0, 5653.0, 5403.0, 5253.0, 5691.0, 5630.0, 5354.0, 5258.0, 5583.0, 5303.0, 5705.0, 5682.0, 5567.0, 5279.0, 5415.0, 5686.0, 5697.0, 5533.0, 5422.0, 5350.0, 5284.0, 5470.0, 5381.0, 5379.0, 5540.0, 5522.0, 5634.0, 5471.0, 5582.0, 5468.0, 5576.0, 5425.0, 5616.0, 5510.0, 5261.0, 5659.0, 5460.0, 5459.0, 5636.0, 5536.0, 5335.0, 5554.0, 5526.0, 5401.0, 5281.0, 5594.0, 5366.0, 5696.0, 5327.0, 5694.0, 5340.0, 5490.0, 5568.0, 5513.0, 5692.0, 5410.0, 5537.0, 5718.0, 5455.0, 5454.0, 5693.0, 5655.0, 5445.0, 5672.0, 5657.0, 5437.0, 5494.0 (number of hits: 17)
2	5530.0	9	1.0	333	1	5317.0, 5408.0, 5479.0, 5370.0, 5346.0, 5492.0, 5452.0, 5341.0, 5389.0, 5254.0, 5308.0, 5694.0, 5655.0, 5540.0, 5378.0, 5673.0, 5511.0, 5264.0, 5505.0, 5632.0, 5625.0, 5359.0, 5533.0, 5448.0, 5607.0, 5563.0, 5471.0, 5499.0, 5438.0, 5699.0, 5441.0, 5717.0, 5469.0, 5305.0, 5395.0, 5312.0, 5494.0, 5434.0, 5437.0, 5460.0, 5391.0, 5410.0, 5541.0, 5384.0, 5634.0, 5574.0, 5518.0, 5624.0, 5371.0, 5375.0, 5508.0, 5610.0, 5321.0, 5560.0, 5325.0, 5324.0, 5335.0, 5602.0, 5376.0, 5328.0, 5449.0, 5549.0, 5683.0, 5644.0, 5707.0, 5611.0, 5510.0, 5504.0, 5422.0, 5486.0, 5284.0, 5636.0, 5366.0, 5348.0, 5496.0, 5253.0, 5297.0, 5595.0, 5363.0, 5268.0, 5468.0, 5523.0, 5520.0, 5586.0, 5708.0, 5600.0, 5676.0, 5524.0, 5372.0, 5257.0, 5274.0, 5336.0, 5715.0, 5481.0, 5431.0, 5627.0, 5275.0, 5615.0, 5334.0, 5273.0 (number of hits: 19)
3	5530.0	9	1.0	333	1	5594.0, 5438.0, 5566.0, 5627.0, 5562.0, 5682.0, 5489.0, 5379.0, 5347.0, 5344.0, 5285.0, 5675.0, 5710.0, 5659.0, 5412.0, 5632.0, 5526.0, 5518.0, 5583.0, 5473.0, 5724.0, 5435.0, 5366.0, 5651.0, 5507.0, 5668.0, 5413.0, 5640.0, 5306.0, 5690.0, 5467.0, 5513.0, 5457.0, 5423.0, 5539.0, 5487.0, 5577.0, 5512.0, 5586.0, 5336.0, 5571.0, 5581.0, 5415.0, 5360.0, 5671.0, 5399.0, 5634.0, 5548.0, 5358.0, 5428.0, 5503.0, 5317.0, 5261.0, 5269.0, 5695.0, 5258.0, 5637.0, 5495.0, 5422.0, 5397.0, 5529.0, 5291.0, 5654.0, 5389.0, 5615.0, 5610.0, 5375.0, 5643.0, 5292.0, 5666.0, 5635.0, 5592.0, 5541.0, 5404.0, 5645.0, 5377.0, 5349.0, 5696.0, 5598.0, 5496.0, 5505.0, 5498.0, 5279.0, 5595.0, 5558.0, 5434.0, 5300.0, 5431.0, 5405.0, 5257.0, 5460.0, 5624.0, 5380.0, 5406.0, 5401.0, 5570.0, 5262.0, 5658.0, 5339.0, 5663.0 (number of hits: 17)
4	5530.0	9	1.0	333	1	5269.0, 5521.0, 5713.0, 5250.0, 5714.0, 5716.0, 5389.0, 5623.0, 5597.0, 5469.0, 5447.0, 5720.0, 5369.0, 5378.0, 5421.0, 5645.0, 5604.0, 5394.0, 5458.0, 5311.0, 5271.0, 5509.0, 5416.0, 5662.0, 5579.0, 5674.0, 5432.0, 5638.0, 5608.0, 5472.0, 5398.0, 5715.0, 5381.0, 5536.0, 5670.0, 5437.0, 5306.0, 5550.0, 5661.0, 5585.0, 5395.0, 5644.0, 5702.0, 5452.0, 5563.0, 5658.0, 5605.0, 5456.0, 5635.0, 5339.0, 5677.0, 5329.0, 5461.0, 5499.0, 5542.0, 5387.0, 5350.0, 5460.0, 5364.0, 5478.0, 5324.0, 5279.0, 5270.0, 5546.0, 5654.0, 5486.0, 5470.0, 5463.0, 5698.0, 5363.0, 5284.0, 5616.0, 5400.0, 5477.0, 5376.0, 5253.0, 5697.0, 5481.0, 5722.0, 5298.0, 5634.0, 5487.0, 5564.0, 5594.0, 5610.0, 5493.0, 5407.0, 5409.0, 5588.0, 5639.0, 5420.0, 5653.0, 5455.0, 5655.0, 5377.0, 5379.0, 5622.0, 5693.0, 5571.0, 5611.0 (number of hits: 10)
5	5530.0	9	1.0	333	1	5593.0, 5277.0, 5262.0, 5695.0, 5355.0, 5284.0, 5676.0, 5470.0, 5574.0, 5412.0, 5713.0, 5614.0, 5634.0, 5503.0, 5381.0, 5506.0, 5536.0, 5571.0, 5702.0, 5397.0, 5679.0, 5402.0, 5295.0, 5572.0, 5623.0, 5669.0, 5320.0, 5697.0, 5439.0, 5393.0, 5313.0, 5454.0,

						5647.0, 5657.0, 5278.0, 5546.0, 5475.0, 5478.0, 5563.0, 5543.0, 5514.0, 5565.0, 5329.0, 5445.0, 5597.0, 5606.0, 5306.0, 5654.0, 5703.0, 5334.0, 5480.0, 5720.0, 5586.0, 5354.0, 5519.0, 5526.0, 5708.0, 5367.0, 5385.0, 5635.0, 5430.0, 5359.0, 5356.0, 5714.0, 5326.0, 5636.0, 5413.0, 5551.0, 5409.0, 5332.0, 5502.0, 5423.0, 5582.0, 5350.0, 5568.0, 5399.0, 5466.0, 5603.0, 5265.0, 5591.0, 5500.0, 5555.0, 5512.0, 5366.0, 5599.0, 5547.0, 5310.0, 5567.0, 5706.0, 5691.0, 5390.0, 5704.0, 5709.0, 5291.0, 5516.0, 5692.0, 5368.0, 5408.0, 5258.0, 5646.0 (number of hits: 18)
6	5530.0	9	1.0	333	1	5318.0, 5500.0, 5719.0, 5699.0, 5704.0, 5510.0, 5361.0, 5294.0, 5384.0, 5472.0, 5514.0, 5509.0, 5269.0, 5682.0, 5350.0, 5481.0, 5330.0, 5261.0, 5639.0, 5468.0, 5303.0, 5585.0, 5495.0, 5258.0, 5675.0, 5513.0, 5488.0, 5251.0, 5547.0, 5574.0, 5381.0, 5454.0, 5418.0, 5504.0, 5507.0, 5393.0, 5491.0, 5470.0, 5683.0, 5398.0, 5616.0, 5505.0, 5570.0, 5473.0, 5351.0, 5645.0, 5436.0, 5576.0, 5588.0, 5632.0, 5282.0, 5550.0, 5564.0, 5304.0, 5555.0, 5538.0, 5305.0, 5496.0, 5308.0, 5573.0, 5517.0, 5563.0, 5422.0, 5655.0, 5710.0, 5610.0, 5310.0, 5602.0, 5667.0, 5572.0, 5417.0, 5689.0, 5615.0, 5723.0, 5526.0, 5329.0, 5279.0, 5680.0, 5503.0, 5412.0, 5512.0, 5568.0, 5494.0, 5521.0, 5426.0, 5653.0, 5464.0, 5321.0, 5606.0, 5335.0, 5333.0, 5621.0, 5579.0, 5337.0, 5266.0, 5313.0, 5265.0, 5715.0, 5562.0, 5443.0 (number of hits: 23)
7	5530.0	9	1.0	333	1	5368.0, 5446.0, 5578.0, 5318.0, 5575.0, 5465.0, 5285.0, 5511.0, 5399.0, 5440.0, 5266.0, 5316.0, 5383.0, 5663.0, 5572.0, 5304.0, 5335.0, 5331.0, 5267.0, 5585.0, 5500.0, 5404.0, 5635.0, 5689.0, 5609.0, 5564.0, 5563.0, 5392.0, 5454.0, 5507.0, 5373.0, 5268.0, 5361.0, 5356.0, 5388.0, 5529.0, 5460.0, 5319.0, 5565.0, 5456.0, 5324.0, 5381.0, 5599.0, 5530.0, 5395.0, 5545.0, 5701.0, 5594.0, 5263.0, 5276.0, 5416.0, 5411.0, 5477.0, 5486.0, 5309.0, 5644.0, 5470.0, 5622.0, 5650.0, 5693.0, 5289.0, 5641.0, 5490.0, 5540.0, 5687.0, 5336.0, 5516.0, 5549.0, 5668.0, 5713.0, 5721.0, 5341.0, 5501.0, 5603.0, 5671.0, 5617.0, 5534.0, 5260.0, 5573.0, 5680.0, 5327.0, 5648.0, 5710.0, 5531.0, 5655.0, 5253.0, 5636.0, 5397.0, 5295.0, 5587.0, 5293.0, 5656.0, 5343.0, 5577.0, 5429.0, 5352.0, 5660.0, 5676.0, 5366.0, 5590.0 (number of hits: 15)
8	5530.0	9	1.0	333	1	5369.0, 5620.0, 5580.0, 5718.0, 5704.0, 5687.0, 5705.0, 5488.0, 5472.0, 5606.0, 5281.0, 5717.0, 5348.0, 5335.0, 5499.0, 5289.0, 5646.0, 5415.0, 5262.0, 5257.0, 5387.0, 5277.0, 5344.0, 5690.0, 5339.0, 5707.0, 5360.0, 5314.0, 5456.0, 5578.0, 5267.0, 5645.0, 5398.0, 5497.0, 5677.0, 5663.0, 5531.0, 5489.0, 5514.0, 5328.0, 5631.0, 5571.0, 5341.0, 5366.0, 5388.0, 5576.0, 5371.0, 5438.0, 5480.0, 5455.0, 5530.0, 5461.0, 5653.0, 5502.0, 5483.0, 5468.0, 5372.0, 5512.0, 5720.0, 5637.0, 5449.0, 5661.0, 5382.0, 5721.0, 5656.0, 5414.0, 5292.0, 5597.0, 5252.0, 5594.0, 5423.0, 5669.0, 5422.0, 5258.0, 5626.0, 5396.0, 5343.0, 5589.0, 5399.0, 5352.0, 5558.0, 5708.0, 5298.0, 5307.0, 5486.0, 5313.0, 5435.0, 5609.0, 5312.0, 5613.0, 5546.0, 5299.0, 5278.0, 5329.0, 5404.0, 5336.0, 5384.0, 5346.0, 5383.0, 5539.0 (number of hits: 10)
9	5530.0	9	1.0	333	1	5471.0, 5300.0, 5489.0, 5630.0, 5282.0, 5604.0, 5285.0, 5304.0, 5702.0, 5359.0, 5614.0, 5656.0, 5445.0, 5545.0, 5425.0, 5615.0, 5672.0, 5403.0, 5438.0, 5526.0, 5572.0, 5525.0, 5353.0, 5557.0, 5252.0, 5692.0, 5693.0, 5370.0, 5547.0, 5483.0, 5683.0, 5674.0, 5263.0, 5371.0, 5473.0, 5700.0, 5418.0, 5290.0, 5623.0, 5501.0, 5633.0, 5649.0, 5338.0, 5365.0, 5286.0, 5660.0, 5464.0, 5363.0, 5600.0, 5632.0, 5631.0, 5500.0, 5264.0, 5704.0, 5720.0, 5424.0, 5592.0, 5430.0, 5331.0, 5298.0, 5317.0, 5313.0, 5463.0, 5456.0, 5538.0, 5626.0, 5666.0, 5301.0, 5377.0, 5550.0, 5354.0, 5514.0, 5356.0, 5305.0, 5605.0, 5568.0, 5340.0, 5594.0, 5575.0, 5378.0, 5537.0, 5494.0, 5640.0, 5503.0, 5622.0, 5722.0, 5659.0, 5522.0, 5413.0, 5564.0, 5705.0, 5332.0, 5667.0, 5271.0, 5653.0, 5516.0, 5699.0, 5511.0, 5662.0, 5642.0 (number of hits: 17)
10	5530.0	9	1.0	333	1	5523.0, 5634.0, 5553.0, 5691.0, 5387.0, 5664.0, 5570.0, 5396.0,

						5516.0, 5575.0, 5535.0, 5379.0, 5669.0, 5528.0, 5656.0, 5368.0, 5378.0, 5599.0, 5265.0, 5508.0, 5578.0, 5644.0, 5489.0, 5595.0, 5515.0, 5361.0, 5531.0, 5370.0, 5363.0, 5274.0, 5680.0, 5461.0, 5615.0, 5442.0, 5284.0, 5302.0, 5306.0, 5491.0, 5272.0, 5522.0, 5473.0, 5679.0, 5709.0, 5612.0, 5327.0, 5695.0, 5708.0, 5587.0, 5345.0, 5646.0, 5659.0, 5586.0, 5354.0, 5676.0, 5546.0, 5317.0, 5580.0, 5533.0, 5258.0, 5446.0, 5636.0, 5501.0, 5610.0, 5686.0, 5717.0, 5386.0, 5702.0, 5682.0, 5689.0, 5454.0, 5698.0, 5607.0, 5716.0, 5479.0, 5445.0, 5645.0, 5289.0, 5367.0, 5699.0, 5279.0, 5613.0, 5652.0, 5304.0, 5397.0, 5608.0, 5262.0, 5393.0, 5365.0, 5437.0, 5722.0, 5297.0, 5296.0, 5341.0, 5477.0, 5487.0, 5330.0, 5263.0, 5621.0, 5462.0, 5513.0 (number of hits: 13)
11	5530.0	9	1.0	333	1	5393.0, 5468.0, 5565.0, 5257.0, 5372.0, 5535.0, 5622.0, 5280.0, 5338.0, 5356.0, 5674.0, 5469.0, 5524.0, 5672.0, 5375.0, 5399.0, 5721.0, 5589.0, 5343.0, 5520.0, 5370.0, 5464.0, 5339.0, 5345.0, 5648.0, 5610.0, 5324.0, 5722.0, 5579.0, 5558.0, 5454.0, 5600.0, 5314.0, 5632.0, 5616.0, 5554.0, 5596.0, 5527.0, 5315.0, 5580.0, 5652.0, 5303.0, 5577.0, 5296.0, 5299.0, 5369.0, 5712.0, 5714.0, 5404.0, 5408.0, 5655.0, 5710.0, 5617.0, 5546.0, 5525.0, 5530.0, 5643.0, 5430.0, 5253.0, 5255.0, 5268.0, 5539.0, 5518.0, 5538.0, 5354.0, 5392.0, 5482.0, 5485.0, 5569.0, 5651.0, 5283.0, 5713.0, 5613.0, 5415.0, 5582.0, 5486.0, 5407.0, 5326.0, 5412.0, 5611.0, 5328.0, 5510.0, 5325.0, 5568.0, 5490.0, 5329.0, 5441.0, 5360.0, 5483.0, 5513.0, 5444.0, 5473.0, 5670.0, 5677.0, 5254.0, 5318.0, 5484.0, 5425.0, 5358.0, 5621.0 (number of hits: 15)
12	5530.0	9	1.0	333	1	5266.0, 5671.0, 5383.0, 5607.0, 5620.0, 5678.0, 5497.0, 5253.0, 5550.0, 5667.0, 5429.0, 5279.0, 5558.0, 5712.0, 5277.0, 5254.0, 5509.0, 5365.0, 5457.0, 5533.0, 5715.0, 5488.0, 5327.0, 5561.0, 5412.0, 5663.0, 5499.0, 5293.0, 5255.0, 5669.0, 5719.0, 5397.0, 5348.0, 5584.0, 5600.0, 5268.0, 5301.0, 5479.0, 5395.0, 5319.0, 5265.0, 5480.0, 5680.0, 5498.0, 5298.0, 5482.0, 5648.0, 5619.0, 5384.0, 5631.0, 5336.0, 5697.0, 5640.0, 5681.0, 5386.0, 5555.0, 5647.0, 5376.0, 5257.0, 5563.0, 5438.0, 5318.0, 5379.0, 5702.0, 5440.0, 5300.0, 5380.0, 5699.0, 5490.0, 5483.0, 5557.0, 5402.0, 5526.0, 5595.0, 5679.0, 5636.0, 5371.0, 5462.0, 5317.0, 5674.0, 5621.0, 5559.0, 5589.0, 5360.0, 5357.0, 5529.0, 5634.0, 5387.0, 5491.0, 5659.0, 5391.0, 5430.0, 5690.0, 5599.0, 5466.0, 5449.0, 5302.0, 5684.0, 5539.0, 5332.0 (number of hits: 15)
13	5530.0	9	1.0	333	1	5492.0, 5588.0, 5505.0, 5324.0, 5554.0, 5516.0, 5512.0, 5699.0, 5424.0, 5667.0, 5517.0, 5338.0, 5580.0, 5436.0, 5613.0, 5529.0, 5442.0, 5685.0, 5503.0, 5568.0, 5353.0, 5333.0, 5578.0, 5404.0, 5283.0, 5408.0, 5355.0, 5468.0, 5344.0, 5645.0, 5717.0, 5315.0, 5489.0, 5330.0, 5435.0, 5524.0, 5558.0, 5662.0, 5692.0, 5434.0, 5360.0, 5609.0, 5723.0, 5612.0, 5316.0, 5561.0, 5582.0, 5567.0, 5551.0, 5640.0, 5566.0, 5676.0, 5565.0, 5405.0, 5438.0, 5321.0, 5419.0, 5707.0, 5417.0, 5409.0, 5253.0, 5336.0, 5573.0, 5266.0, 5714.0, 5584.0, 5384.0, 5552.0, 5704.0, 5661.0, 5679.0, 5303.0, 5712.0, 5571.0, 5394.0, 5614.0, 5655.0, 5288.0, 5450.0, 5464.0, 5329.0, 5415.0, 5657.0, 5690.0, 5607.0, 5463.0, 5392.0, 5264.0, 5304.0, 5407.0, 5258.0, 5471.0, 5430.0, 5589.0, 5317.0, 5485.0, 5638.0, 5275.0, 5542.0, 5494.0 (number of hits: 18)
14	5530.0	9	1.0	333	1	5626.0, 5375.0, 5421.0, 5504.0, 5299.0, 5426.0, 5261.0, 5412.0, 5399.0, 5274.0, 5266.0, 5625.0, 5292.0, 5360.0, 5683.0, 5544.0, 5318.0, 5407.0, 5644.0, 5518.0, 5438.0, 5587.0, 5569.0, 5478.0, 5370.0, 5291.0, 5482.0, 5523.0, 5528.0, 5508.0, 5440.0, 5369.0, 5255.0, 5265.0, 5500.0, 5373.0, 5385.0, 5381.0, 5539.0, 5325.0, 5559.0, 5398.0, 5317.0, 5666.0, 5310.0, 5690.0, 5308.0, 5581.0, 5252.0, 5507.0, 5353.0, 5429.0, 5279.0, 5367.0, 5374.0, 5505.0, 5287.0, 5488.0, 5293.0, 5404.0, 5663.0, 5621.0, 5406.0, 5489.0, 5715.0, 5446.0, 5487.0, 5269.0, 5597.0, 5699.0, 5401.0, 5536.0, 5439.0, 5277.0, 5506.0, 5723.0, 5364.0, 5531.0, 5413.0, 5397.0, 5422.0, 5598.0, 5390.0, 5520.0, 5416.0, 5549.0, 5339.0, 5535.0,

						5344.0, 5328.0, 5313.0, 5483.0, 5697.0, 5437.0, 5649.0, 5322.0, 5583.0, 5611.0, 5356.0, 5545.0 (number of hits: 18)
15	5530.0	9	1.0	333	1	5661.0, 5626.0, 5276.0, 5259.0, 5359.0, 5417.0, 5357.0, 5391.0, 5650.0, 5649.0, 5560.0, 5618.0, 5470.0, 5253.0, 5314.0, 5561.0, 5594.0, 5256.0, 5612.0, 5374.0, 5410.0, 5666.0, 5708.0, 5617.0, 5721.0, 5609.0, 5673.0, 5581.0, 5418.0, 5698.0, 5251.0, 5576.0, 5658.0, 5451.0, 5316.0, 5467.0, 5364.0, 5512.0, 5586.0, 5532.0, 5266.0, 5473.0, 5494.0, 5624.0, 5264.0, 5642.0, 5474.0, 5616.0, 5342.0, 5329.0, 5250.0, 5465.0, 5475.0, 5333.0, 5514.0, 5533.0, 5600.0, 5464.0, 5419.0, 5615.0, 5453.0, 5684.0, 5383.0, 5497.0, 5430.0, 5368.0, 5714.0, 5643.0, 5662.0, 5350.0, 5376.0, 5537.0, 5606.0, 5484.0, 5330.0, 5595.0, 5552.0, 5634.0, 5406.0, 5645.0, 5421.0, 5401.0, 5286.0, 5685.0, 5435.0, 5655.0, 5580.0, 5489.0, 5479.0, 5335.0, 5487.0, 5307.0, 5318.0, 5695.0, 5543.0, 5277.0, 5298.0, 5619.0, 5498.0, 5415.0 (number of hits: 12)
16	5530.0	9	1.0	333	1	5302.0, 5537.0, 5460.0, 5278.0, 5397.0, 5307.0, 5699.0, 5394.0, 5297.0, 5477.0, 5407.0, 5339.0, 5629.0, 5378.0, 5432.0, 5497.0, 5334.0, 5588.0, 5478.0, 5486.0, 5553.0, 5718.0, 5513.0, 5305.0, 5268.0, 5470.0, 5367.0, 5272.0, 5525.0, 5711.0, 5391.0, 5678.0, 5301.0, 5691.0, 5343.0, 5333.0, 5583.0, 5620.0, 5464.0, 5411.0, 5628.0, 5322.0, 5509.0, 5710.0, 5607.0, 5345.0, 5539.0, 5287.0, 5405.0, 5295.0, 5572.0, 5325.0, 5372.0, 5615.0, 5368.0, 5444.0, 5284.0, 5395.0, 5354.0, 5370.0, 5642.0, 5360.0, 5257.0, 5362.0, 5568.0, 5579.0, 5279.0, 5273.0, 5606.0, 5643.0, 5443.0, 5469.0, 5511.0, 5529.0, 5315.0, 5684.0, 5564.0, 5542.0, 5716.0, 5503.0, 5311.0, 5321.0, 5456.0, 5480.0, 5447.0, 5292.0, 5385.0, 5373.0, 5533.0, 5410.0, 5450.0, 5505.0, 5519.0, 5528.0, 5398.0, 5381.0, 5487.0, 5350.0, 5258.0, 5496.0 (number of hits: 17)
17	5530.0	9	1.0	333	1	5574.0, 5419.0, 5451.0, 5625.0, 5318.0, 5654.0, 5345.0, 5516.0, 5709.0, 5637.0, 5712.0, 5714.0, 5619.0, 5440.0, 5459.0, 5467.0, 5542.0, 5509.0, 5292.0, 5344.0, 5665.0, 5475.0, 5540.0, 5329.0, 5496.0, 5477.0, 5349.0, 5458.0, 5604.0, 5431.0, 5677.0, 5502.0, 5412.0, 5363.0, 5471.0, 5291.0, 5283.0, 5528.0, 5251.0, 5253.0, 5702.0, 5293.0, 5285.0, 5488.0, 5275.0, 5670.0, 5718.0, 5686.0, 5651.0, 5364.0, 5640.0, 5320.0, 5409.0, 5526.0, 5527.0, 5396.0, 5704.0, 5717.0, 5631.0, 5653.0, 5514.0, 5537.0, 5510.0, 5457.0, 5616.0, 5432.0, 5575.0, 5481.0, 5694.0, 5448.0, 5549.0, 5706.0, 5339.0, 5401.0, 5546.0, 5551.0, 5442.0, 5430.0, 5304.0, 5492.0, 5669.0, 5688.0, 5581.0, 5710.0, 5429.0, 5597.0, 5449.0, 5690.0, 5703.0, 5584.0, 5645.0, 5465.0, 5360.0, 5572.0, 5268.0, 5312.0, 5534.0, 5591.0, 5468.0, 5713.0 (number of hits: 17)
18	5530.0	9	1.0	333	1	5302.0, 5304.0, 5446.0, 5452.0, 5346.0, 5723.0, 5376.0, 5406.0, 5373.0, 5260.0, 5557.0, 5293.0, 5415.0, 5680.0, 5552.0, 5282.0, 5658.0, 5597.0, 5306.0, 5342.0, 5462.0, 5387.0, 5335.0, 5591.0, 5669.0, 5338.0, 5609.0, 5250.0, 5714.0, 5289.0, 5264.0, 5515.0, 5339.0, 5402.0, 5713.0, 5278.0, 5500.0, 5545.0, 5312.0, 5252.0, 5491.0, 5688.0, 5589.0, 5378.0, 5718.0, 5435.0, 5450.0, 5404.0, 5523.0, 5701.0, 5379.0, 5534.0, 5255.0, 5513.0, 5390.0, 5553.0, 5303.0, 5355.0, 5512.0, 5652.0, 5682.0, 5320.0, 5265.0, 5409.0, 5440.0, 5453.0, 5579.0, 5660.0, 5475.0, 5374.0, 5638.0, 5445.0, 5639.0, 5626.0, 5540.0, 5582.0, 5642.0, 5432.0, 5584.0, 5551.0, 5344.0, 5598.0, 5606.0, 5588.0, 5391.0, 5672.0, 5676.0, 5353.0, 5392.0, 5516.0, 5311.0, 5656.0, 5268.0, 5712.0, 5635.0, 5654.0, 5309.0, 5299.0, 5422.0, 5317.0 (number of hits: 13)
19	5530.0	9	1.0	333	1	5304.0, 5540.0, 5597.0, 5326.0, 5702.0, 5294.0, 5263.0, 5478.0, 5564.0, 5401.0, 5587.0, 5573.0, 5721.0, 5253.0, 5617.0, 5562.0, 5536.0, 5654.0, 5565.0, 5599.0, 5274.0, 5701.0, 5402.0, 5372.0, 5420.0, 5369.0, 5305.0, 5585.0, 5600.0, 5717.0, 5670.0, 5364.0, 5450.0, 5270.0, 5345.0, 5514.0, 5405.0, 5363.0, 5522.0, 5380.0, 5625.0, 5686.0, 5576.0, 5490.0, 5251.0, 5384.0, 5482.0, 5392.0, 5683.0, 5312.0, 5674.0, 5719.0, 5532.0, 5282.0, 5327.0, 5346.0, 5428.0, 5607.0, 5605.0, 5687.0, 5586.0, 5314.0, 5720.0, 5637.0,

						5431.0, 5629.0, 5529.0, 5288.0, 5448.0, 5682.0, 5559.0, 5711.0, 5313.0, 5370.0, 5352.0, 5486.0, 5278.0, 5462.0, 5644.0, 5563.0, 5292.0, 5367.0, 5652.0, 5264.0, 5479.0, 5546.0, 5279.0, 5676.0, 5660.0, 5535.0, 5544.0, 5510.0, 5468.0, 5336.0, 5267.0, 5537.0, 5317.0, 5622.0, 5383.0, 5627.0 (number of hits: 16)
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21	5530.0	9	1.0	333	1	5305.0, 5469.0, 5351.0, 5584.0, 5687.0, 5670.0, 5662.0, 5548.0, 5425.0, 5659.0, 5278.0, 5387.0, 5676.0, 5587.0, 5379.0, 5701.0, 5660.0, 5375.0, 5259.0, 5357.0, 5555.0, 5253.0, 5316.0, 5302.0, 5645.0, 5286.0, 5528.0, 5352.0, 5504.0, 5496.0, 5432.0, 5460.0, 5667.0, 5271.0, 5603.0, 5653.0, 5586.0, 5638.0, 5713.0, 5716.0, 5451.0, 5484.0, 5439.0, 5342.0, 5283.0, 5314.0, 5463.0, 5717.0, 5304.0, 5485.0, 5385.0, 5718.0, 5488.0, 5719.0, 5573.0, 5335.0, 5511.0, 5597.0, 5576.0, 5295.0, 5401.0, 5370.0, 5721.0, 5550.0, 5520.0, 5714.0, 5445.0, 5336.0, 5559.0, 5341.0, 5276.0, 5564.0, 5585.0, 5453.0, 5486.0, 5307.0, 5540.0, 5380.0, 5362.0, 5443.0, 5403.0, 5292.0, 5552.0, 5321.0, 5296.0, 5406.0, 5327.0, 5495.0, 5458.0, 5358.0, 5350.0, 5333.0, 5429.0, 5644.0, 5394.0, 5426.0, 5512.0, 5402.0, 5655.0, 5498.0 (number of hits: 15)
22	5530.0	9	1.0	333	1	5431.0, 5493.0, 5622.0, 5436.0, 5509.0, 5465.0, 5537.0, 5709.0, 5414.0, 5447.0, 5355.0, 5603.0, 5335.0, 5629.0, 5625.0, 5428.0, 5615.0, 5383.0, 5543.0, 5545.0, 5464.0, 5660.0, 5364.0, 5354.0, 5397.0, 5276.0, 5344.0, 5268.0, 5585.0, 5702.0, 5371.0, 5504.0, 5351.0, 5515.0, 5683.0, 5282.0, 5508.0, 5303.0, 5275.0, 5586.0, 5693.0, 5540.0, 5328.0, 5564.0, 5292.0, 5651.0, 5578.0, 5569.0, 5301.0, 5719.0, 5260.0, 5471.0, 5266.0, 5366.0, 5636.0, 5532.0, 5505.0, 5274.0, 5712.0, 5363.0, 5338.0, 5528.0, 5570.0, 5409.0, 5596.0, 5367.0, 5283.0, 5396.0, 5477.0, 5450.0, 5594.0, 5495.0, 5568.0, 5635.0, 5422.0, 5486.0, 5386.0, 5305.0, 5423.0, 5576.0, 5711.0, 5681.0, 5452.0, 5480.0, 5688.0, 5619.0, 5513.0, 5304.0, 5579.0, 5583.0, 5601.0, 5460.0, 5638.0, 5270.0, 5317.0, 5632.0, 5661.0, 5318.0, 5280.0, 5373.0 (number of hits: 15)
23	5530.0	9	1.0	333	1	5368.0, 5666.0, 5379.0, 5362.0, 5434.0, 5578.0, 5450.0, 5431.0, 5632.0, 5421.0, 5599.0, 5604.0, 5520.0, 5676.0, 5610.0, 5621.0, 5586.0, 5681.0, 5491.0, 5332.0, 5569.0, 5439.0, 5311.0, 5427.0, 5652.0, 5307.0, 5532.0, 5328.0, 5590.0, 5554.0, 5603.0, 5669.0, 5347.0, 5257.0, 5631.0, 5536.0, 5279.0, 5696.0, 5583.0, 5386.0, 5508.0, 5428.0, 5597.0, 5479.0, 5312.0, 5300.0, 5665.0, 5611.0, 5478.0, 5477.0, 5492.0, 5493.0, 5715.0, 5626.0, 5291.0, 5367.0, 5413.0, 5709.0, 5623.0, 5685.0, 5453.0, 5645.0, 5335.0, 5407.0, 5280.0, 5638.0, 5564.0, 5418.0, 5700.0, 5596.0, 5659.0, 5557.0, 5667.0, 5534.0, 5498.0, 5356.0, 5515.0, 5598.0, 5552.0, 5633.0, 5550.0, 5305.0, 5363.0, 5370.0, 5683.0, 5510.0, 5644.0, 5385.0, 5449.0, 5448.0, 5408.0, 5675.0, 5651.0, 5494.0, 5646.0, 5542.0, 5318.0, 5322.0, 5641.0, 5436.0 (number of hits: 17)
24	5530.0	9	1.0	333	1	5614.0, 5550.0, 5331.0, 5462.0, 5595.0, 5309.0, 5384.0, 5500.0, 5276.0, 5666.0, 5383.0, 5292.0, 5534.0, 5255.0, 5266.0, 5424.0, 5668.0, 5466.0, 5422.0, 5505.0, 5665.0, 5590.0, 5451.0, 5308.0, 5336.0, 5517.0, 5536.0, 5494.0, 5601.0, 5298.0, 5467.0, 5444.0, 5254.0, 5348.0, 5693.0, 5418.0, 5259.0, 5316.0, 5521.0, 5681.0,

						5558.0, 5527.0, 5548.0, 5577.0, 5610.0, 5272.0, 5492.0, 5716.0, 5658.0, 5464.0, 5697.0, 5705.0, 5320.0, 5677.0, 5460.0, 5346.0, 5692.0, 5290.0, 5582.0, 5670.0, 5495.0, 5642.0, 5641.0, 5702.0, 5528.0, 5563.0, 5345.0, 5615.0, 5603.0, 5442.0, 5600.0, 5269.0, 5675.0, 5291.0, 5312.0, 5609.0, 5671.0, 5557.0, 5355.0, 5510.0, 5379.0, 5698.0, 5279.0, 5332.0, 5623.0, 5256.0, 5687.0, 5507.0, 5398.0, 5718.0, 5720.0, 5416.0, 5621.0, 5639.0, 5469.0, 5537.0, 5566.0, 5394.0, 5663.0, 5296.0 (number of hits: 20)
25	5530.0	9	1.0	333	1	5714.0, 5465.0, 5252.0, 5418.0, 5363.0, 5704.0, 5677.0, 5558.0, 5435.0, 5526.0, 5619.0, 5508.0, 5520.0, 5455.0, 5392.0, 5572.0, 5270.0, 5531.0, 5559.0, 5260.0, 5443.0, 5595.0, 5295.0, 5679.0, 5615.0, 5575.0, 5702.0, 5376.0, 5414.0, 5535.0, 5502.0, 5578.0, 5328.0, 5688.0, 5453.0, 5413.0, 5334.0, 5281.0, 5422.0, 5622.0, 5409.0, 5497.0, 5536.0, 5274.0, 5456.0, 5681.0, 5683.0, 5286.0, 5447.0, 5719.0, 5606.0, 5579.0, 5459.0, 5445.0, 5720.0, 5636.0, 5496.0, 5291.0, 5675.0, 5574.0, 5354.0, 5410.0, 5335.0, 5682.0, 5278.0, 5407.0, 5429.0, 5538.0, 5601.0, 5589.0, 5689.0, 5576.0, 5468.0, 5257.0, 5297.0, 5273.0, 5307.0, 5598.0, 5491.0, 5499.0, 5569.0, 5284.0, 5666.0, 5433.0, 5352.0, 5339.0, 5365.0, 5415.0, 5485.0, 5614.0, 5255.0, 5331.0, 5317.0, 5592.0, 5620.0, 5250.0, 5670.0, 5394.0, 5621.0, 5462.0 (number of hits: 13)
26	5530.0	9	1.0	333	1	5710.0, 5604.0, 5263.0, 5667.0, 5613.0, 5525.0, 5428.0, 5488.0, 5326.0, 5455.0, 5302.0, 5642.0, 5305.0, 5485.0, 5407.0, 5576.0, 5496.0, 5635.0, 5365.0, 5652.0, 5254.0, 5521.0, 5699.0, 5698.0, 5490.0, 5540.0, 5390.0, 5682.0, 5301.0, 5251.0, 5317.0, 5514.0, 5320.0, 5331.0, 5290.0, 5477.0, 5567.0, 5293.0, 5460.0, 5349.0, 5574.0, 5546.0, 5338.0, 5452.0, 5516.0, 5260.0, 5720.0, 5360.0, 5484.0, 5257.0, 5718.0, 5303.0, 5702.0, 5335.0, 5561.0, 5267.0, 5594.0, 5292.0, 5421.0, 5339.0, 5478.0, 5663.0, 5551.0, 5683.0, 5691.0, 5436.0, 5620.0, 5316.0, 5361.0, 5511.0, 5680.0, 5444.0, 5295.0, 5621.0, 5422.0, 5286.0, 5572.0, 5385.0, 5673.0, 5553.0, 5306.0, 5441.0, 5442.0, 5469.0, 5278.0, 5648.0, 5533.0, 5632.0, 5692.0, 5552.0, 5640.0, 5324.0, 5443.0, 5472.0, 5600.0, 5426.0, 5489.0, 5482.0, 5475.0, 5664.0 (number of hits: 14)
27	5530.0	9	1.0	333	1	5658.0, 5556.0, 5631.0, 5703.0, 5663.0, 5358.0, 5383.0, 5386.0, 5520.0, 5356.0, 5681.0, 5318.0, 5641.0, 5412.0, 5680.0, 5557.0, 5258.0, 5489.0, 5360.0, 5570.0, 5481.0, 5417.0, 5478.0, 5579.0, 5283.0, 5614.0, 5545.0, 5590.0, 5408.0, 5623.0, 5644.0, 5647.0, 5694.0, 5292.0, 5479.0, 5435.0, 5330.0, 5599.0, 5400.0, 5370.0, 5574.0, 5640.0, 5503.0, 5413.0, 5554.0, 5373.0, 5449.0, 5461.0, 5473.0, 5313.0, 5505.0, 5675.0, 5543.0, 5715.0, 5537.0, 5613.0, 5415.0, 5353.0, 5719.0, 5251.0, 5442.0, 5371.0, 5476.0, 5487.0, 5427.0, 5465.0, 5502.0, 5702.0, 5718.0, 5616.0, 5705.0, 5325.0, 5667.0, 5421.0, 5516.0, 5363.0, 5668.0, 5331.0, 5651.0, 5475.0, 5669.0, 5300.0, 5514.0, 5615.0, 5521.0, 5398.0, 5438.0, 5714.0, 5650.0, 5498.0, 5472.0, 5524.0, 5464.0, 5324.0, 5568.0, 5664.0, 5402.0, 5411.0, 5457.0, 5377.0 (number of hits: 15)
28	5530.0	9	1.0	333	1	5542.0, 5476.0, 5588.0, 5559.0, 5693.0, 5546.0, 5359.0, 5713.0, 5513.0, 5413.0, 5634.0, 5569.0, 5458.0, 5461.0, 5609.0, 5490.0, 5427.0, 5327.0, 5260.0, 5618.0, 5654.0, 5509.0, 5600.0, 5676.0, 5519.0, 5293.0, 5452.0, 5341.0, 5428.0, 5267.0, 5648.0, 5474.0, 5465.0, 5404.0, 5343.0, 5665.0, 5289.0, 5281.0, 5466.0, 5563.0, 5662.0, 5346.0, 5484.0, 5649.0, 5678.0, 5663.0, 5579.0, 5701.0, 5307.0, 5422.0, 5575.0, 5544.0, 5310.0, 5420.0, 5354.0, 5393.0, 5482.0, 5319.0, 5666.0, 5539.0, 5439.0, 5705.0, 5339.0, 5264.0, 5370.0, 5610.0, 5692.0, 5488.0, 5271.0, 5297.0, 5277.0, 5602.0, 5302.0, 5644.0, 5698.0, 5651.0, 5659.0, 5669.0, 5585.0, 5525.0, 5690.0, 5419.0, 5392.0, 5467.0, 5491.0, 5589.0, 5436.0, 5348.0, 5325.0, 5276.0, 5526.0, 5258.0, 5275.0, 5448.0, 5633.0, 5445.0, 5375.0, 5312.0, 5313.0, 5617.0 (number of hits: 11)
29	5530.0	9	1.0	333	1	5608.0, 5292.0, 5396.0, 5645.0, 5596.0, 5377.0, 5618.0, 5652.0, 5709.0, 5549.0, 5586.0, 5649.0, 5694.0, 5580.0, 5420.0, 5688.0,

						5433.0, 5559.0, 5545.0, 5509.0, 5259.0, 5448.0, 5619.0, 5409.0, 5673.0, 5720.0, 5646.0, 5387.0, 5490.0, 5425.0, 5374.0, 5579.0, 5693.0, 5306.0, 5544.0, 5710.0, 5464.0, 5366.0, 5443.0, 5265.0, 5628.0, 5334.0, 5505.0, 5303.0, 5423.0, 5421.0, 5289.0, 5511.0, 5500.0, 5661.0, 5556.0, 5499.0, 5564.0, 5724.0, 5326.0, 5447.0, 5633.0, 5311.0, 5593.0, 5273.0, 5551.0, 5267.0, 5524.0, 5507.0, 5644.0, 5367.0, 5253.0, 5402.0, 5463.0, 5336.0, 5390.0, 5284.0, 5699.0, 5296.0, 5523.0, 5347.0, 5717.0, 5667.0, 5702.0, 5313.0, 5708.0, 5606.0, 5357.0, 5592.0, 5626.0, 5342.0, 5271.0, 5622.0, 5469.0, 5569.0, 5437.0, 5375.0, 5252.0, 5620.0, 5658.0, 5528.0, 5389.0, 5353.0, 5721.0, 5251.0 (number of hits: 16)
30	5530.0	9	1.0	333	1	5592.0, 5266.0, 5416.0, 5630.0, 5461.0, 5676.0, 5523.0, 5665.0, 5438.0, 5649.0, 5673.0, 5496.0, 5604.0, 5304.0, 5699.0, 5292.0, 5549.0, 5527.0, 5531.0, 5706.0, 5475.0, 5668.0, 5589.0, 5657.0, 5369.0, 5288.0, 5289.0, 5517.0, 5720.0, 5536.0, 5439.0, 5424.0, 5329.0, 5626.0, 5704.0, 5500.0, 5296.0, 5483.0, 5515.0, 5722.0, 5525.0, 5397.0, 5319.0, 5267.0, 5350.0, 5371.0, 5431.0, 5315.0, 5361.0, 5372.0, 5336.0, 5578.0, 5529.0, 5321.0, 5685.0, 5285.0, 5622.0, 5305.0, 5634.0, 5441.0, 5599.0, 5251.0, 5486.0, 5437.0, 5555.0, 5566.0, 5297.0, 5317.0, 5528.0, 5533.0, 5501.0, 5333.0, 5481.0, 5326.0, 5588.0, 5404.0, 5679.0, 5462.0, 5654.0, 5290.0, 5687.0, 5391.0, 5466.0, 5546.0, 5294.0, 5509.0, 5689.0, 5516.0, 5448.0, 5487.0, 5484.0, 5553.0, 5259.0, 5505.0, 5364.0, 5265.0, 5567.0, 5257.0, 5708.0, 5681.0 (number of hits: 22)

P2MP Mode
Pine Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	73.3 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	81.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	86	1.0	618	1
2	18	1.0	3066	1
3	95	1.0	558	1
4	72	1.0	738	1
5	89	1.0	598	1
6	65	1.0	818	1
7	70	1.0	758	1
8	63	1.0	838	1
9	76	1.0	698	1
10	102	1.0	518	1
11	92	1.0	578	1
12	78	1.0	678	1
13	68	1.0	778	1
14	83	1.0	638	1
15	81	1.0	658	1
1	42	1.0	1270	1
2	20	1.0	2776	0
3	22	1.0	2408	1
4	30	1.0	1764	1
5	27	1.0	2004	1
6	21	1.0	2519	1
7	18	1.0	2933	1
8	72	1.0	736	1
9	19	1.0	2793	1
10	22	1.0	2463	1
11	19	1.0	2909	1
12	25	1.0	2150	1
13	18	1.0	3054	1
14	19	1.0	2819	1
15	23	1.0	2373	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	1.8	187	1
2	24	1.3	189	1
3	24	1.5	217	0
4	25	5.0	160	1
5	26	1.9	210	1
6	25	4.0	168	0
7	26	3.0	202	1
8	27	4.0	166	1
9	29	2.6	204	1
10	23	3.6	216	1
11	24	4.3	217	1
12	29	4.1	197	0
13	27	4.2	193	1
14	25	4.4	193	1
15	26	1.0	215	1
16	25	4.8	229	0
17	29	4.5	220	0
18	24	2.6	185	1
19	29	1.7	186	1
20	27	3.0	170	0
21	26	4.3	219	1
22	28	2.8	168	0
23	25	1.5	195	1
24	27	2.3	225	1
25	27	1.0	179	1
26	25	3.7	174	1
27	24	2.2	206	1
28	28	3.6	172	1
29	27	1.9	153	1
30	25	2.5	185	1
Detection Percentage: 76.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	6.3	215	1
2	17	8.4	414	1
3	16	6.2	422	1
4	18	8.9	463	1
5	16	10.0	342	1
6	17	10.0	494	1
7	17	8.7	299	1
8	16	8.9	206	0
9	17	7.9	427	1
10	18	8.0	223	0
11	18	7.1	392	1
12	18	8.0	485	1
13	16	8.5	447	1
14	18	7.5	266	1
15	17	9.5	309	1
16	18	7.4	273	1
17	17	9.3	331	0
18	17	9.2	364	1
19	17	9.2	394	0
20	17	8.3	436	0
21	17	9.7	252	0
22	16	10.0	360	1
23	18	9.3	255	1
24	17	6.7	397	1
25	17	6.2	350	0
26	16	7.5	497	1
27	16	9.9	477	0
28	16	8.3	260	1
29	17	6.8	448	1
30	16	9.0	300	1
Detection Percentage: 73.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	14.4	386	1
2	13	15.9	349	0
3	15	12.8	377	0
4	14	19.3	215	1
5	16	11.6	453	1
6	16	19.6	406	1
7	15	13.4	285	1
8	15	17.3	368	1
9	13	15.0	370	1
10	14	13.4	255	1
11	13	13.1	254	1
12	14	13.6	306	1
13	12	17.8	274	0
14	13	19.3	372	1
15	16	12.6	497	1
16	12	12.3	353	1
17	16	11.1	493	0
18	13	17.2	408	1
19	14	19.7	483	1
20	16	14.5	361	1
21	15	12.7	239	1
22	16	15.8	500	1
23	12	12.0	448	1
24	15	17.0	260	1
25	14	18.1	488	0
26	13	18.3	487	1
27	13	15.9	479	1
28	13	17.4	234	1
29	12	16.5	392	0
30	12	15.6	319	1
Detection Percentage: 80 % (>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	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5495.0	1
12	5498.6	1
13	5496.2	1
14	5497.8	1
15	5496.6	1
16	5497.8	1
17	5497.8	1
18	5495.0	1
19	5498.2	1
20	5495.8	1
21	5501.4	1
22	5503.0	1
23	5501.0	1
24	5501.4	1
25	5504.2	1
26	5501.0	1
27	5505.0	1
28	5501.8	1
29	5506.2	1
30	5504.6	1
Detection Percentage: 100 % (>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	1	5	65.8			0.018477	1
1	2	5	66.0	1008		1.320977	
2	3	5	72.3	1809	1483	1.870509	
3	3	5	81.7	1480	1756	2.912472	
4	1	5	78.4			3.640516	
5	2	5	59.7	1715		4.011669	
6	2	5	82.3	1757		5.532240	
7	1	5	91.6			6.198611	
8	2	5	78.0	1723		7.179565	
9	1	5	74.3			7.301870	
10	3	5	77.3	1762	1218	8.550741	
11	2	5	71.7	1205		9.388256	
12	2	5	93.1	1820		10.140074	
13	2	5	95.6	1186		10.507620	
14	1	5	96.9			11.299964	

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	12	82.3			0.605096	1
1	3	12	90.2	1187	1593	1.876634	
2	1	12	76.5			2.264531	
3	1	12	51.8			4.112885	
4	2	12	76.2	1639		4.707687	
5	2	12	68.7	1444		5.821528	
6	2	12	96.6	1113		7.366972	
7	3	12	84.6	1253	1520	8.545905	
8	2	12	92.1	1604		9.708926	
9	3	12	88.6	1903	1132	10.541001	
10	1	12	58.3			11.658710	

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	10	66.0	1327	1165	0.270764	1
1	2	10	97.1	1309		1.288290	
2	1	10	61.0			1.929692	
3	2	10	51.2	1604		2.135488	
4	3	10	55.5	1475	1832	3.268017	
5	3	10	73.3	1306	1524	3.628254	
6	1	10	54.7			4.427678	
7	2	10	84.7	1227		4.752048	
8	2	10	95.9	1351		5.924659	
9	1	10	78.4			6.011088	
10	2	10	55.4	1142		7.226300	
11	3	10	90.2	1878	1139	7.715731	
12	1	10	97.1			8.345316	
13	2	10	98.8	1314		9.308223	
14	2	10	65.5	1610		9.620154	
15	1	10	77.0			10.023858	
16	3	10	90.1	1613	1659	11.140271	
17	1	10	75.7			11.860976	

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	6	87.1	1165		0.193169	1
1	2	6	59.0	1612		1.104872	
2	2	6	81.9	1609		3.010745	
3	2	6	99.4	1664		3.660617	
4	2	6	80.4	1645		4.513895	
5	2	6	61.6	1597		5.948202	
6	1	6	97.5			6.597081	
7	2	6	65.4	1614		8.662804	
8	3	6	91.7	1839	1718	9.133373	
9	3	6	65.4	1650	1639	9.845168	
10	3	6	71.2	1135	1069	11.624781	

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	5	65.7	1005		0.502722	
1	3	5	59.8	1926	1626	0.885718	
2	2	5	91.1	1973		1.652768	
3	2	5	75.2	1348		2.361969	
4	2	5	66.6	1807		2.923812	
5	2	5	76.3	1351		3.559302	
6	2	5	92.8	1205		4.236569	
7	2	5	61.6	1845		5.057156	
8	1	5	83.4			5.745649	
9	2	5	78.1	1643		6.051343	1
10	1	5	65.9			7.197347	
11	1	5	96.3			7.971502	
12	2	5	77.4	1967		8.042819	
13	2	5	97.3	1691		9.228110	
14	2	5	97.8	1466		9.960988	
15	2	5	94.7	1110		10.498860	
16	2	5	63.6	1855		10.992477	
17	2	5	52.3	1908		11.682558	

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	10	96.1	1600		0.294553	
1	3	10	95.2	1786	1677	1.318355	
2	2	10	69.9	1968		1.957018	
3	3	10	83.0	1693	1868	2.901151	
4	3	10	62.7	1446	1917	3.858519	
5	1	10	60.4			4.525041	
6	2	10	64.1	1378		5.355534	
7	2	10	91.2	1619		5.925828	1
8	2	10	70.3	1743		7.185542	
9	2	10	79.0	1147		7.466192	
10	3	10	62.6	1936	1444	8.101434	
11	2	10	66.7	1016		9.103255	
12	2	10	62.6	1445		9.729270	
13	2	10	74.7	1349		10.934820	
14	2	10	78.5	1184		11.814263	

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	10	67.0			0.503249	1
1	2	10	77.5	1286		0.867060	
2	1	10	91.1			1.895915	
3	3	10	78.2	1992	1245	2.821209	
4	3	10	82.1	1360	1644	3.274556	
5	3	10	69.1	1495	1414	4.475804	
6	2	10	64.6	1622		4.616065	
7	2	10	70.3	1314		5.474244	
8	3	10	50.4	1075	1278	6.240087	
9	1	10	86.4			6.797372	
10	1	10	86.9			7.705133	
11	2	10	97.6	1324		8.396030	
12	2	10	52.2	1326		9.607302	
13	2	10	50.6	1665		10.415925	
14	3	10	74.8	1206	1210	11.079996	
15	1	10	73.1			11.944312	

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	13	84.0	1192		0.058269	
1	2	13	95.5	1712		1.132963	
2	3	13	59.8	1720	1153	1.398740	
3	2	13	93.1	1385		2.304447	
4	2	13	62.8	1278		2.595946	
5	2	13	64.5	1873		3.168203	
6	1	13	93.0			3.991730	
7	1	13	89.8			4.684236	
8	2	13	96.4	1510		5.279338	
9	1	13	78.5			5.401368	
10	2	13	70.3	1056		6.326369	1
11	2	13	99.1	1390		6.667685	
12	2	13	64.5	1048		7.578493	
13	2	13	51.8	1101		8.055443	
14	2	13	86.3	1342		8.787400	
15	2	13	56.1	1722		9.584513	
16	1	13	66.8			9.686052	
17	3	13	86.7	1844	1217	10.415308	
18	3	13	90.9	1195	1058	11.372375	
19	2	13	65.2	1074		11.832612	

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	12	60.5	1735		0.088974	1
1	2	12	61.9	1705		0.738848	
2	2	12	68.5	1896		1.829991	
3	2	12	87.2	1653		2.007935	
4	2	12	72.7	1241		2.806250	
5	1	12	90.6			3.866805	
6	3	12	79.6	1230	1863	4.611060	
7	2	12	65.7	1779		4.818271	
8	2	12	51.6	1864		5.797261	
9	1	12	52.2			6.455082	
10	1	12	85.0			7.088399	
11	3	12	60.5	1481	1698	7.861892	
12	1	12	84.4			8.455798	
13	3	12	83.1	1797	1997	9.239354	
14	2	12	67.9	1041		9.784262	
15	3	12	77.6	1669	1897	10.192645	
16	1	12	61.9			10.935993	
17	2	12	70.1	1859		11.380317	

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	65.7	1697		0.407209	
1	3	10	89.0	1351	1509	1.106916	
2	2	10	65.2	1195		1.867938	
3	1	10	68.5			1.920004	
4	1	10	97.4			2.591203	
5	2	10	65.2	1064		3.429774	
6	2	10	52.6	1541		4.138372	
7	1	10	60.7			4.719320	
8	2	10	77.7	1318		5.259736	
9	2	10	65.9	1807		5.847692	1
10	3	10	74.5	1924	1660	6.916161	
11	1	10	82.5			7.386990	
12	1	10	53.2			8.165931	
13	2	10	84.1	1347		8.812182	
14	1	10	62.6			9.109696	
15	3	10	54.0	1762	1214	9.682447	
16	2	10	53.9	1159		10.342681	
17	3	10	93.0	1042	1877	10.975119	
18	2	10	97.1	1958		11.889359	

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	52.9	1924		0.814064	
1	1	10	61.8			2.660730	
2	3	10	76.5	1586	1714	3.362468	
3	3	10	75.4	1993	1482	4.443331	
4	2	10	87.6	1550		5.369958	1
5	3	10	64.5	1586	1810	7.958393	
6	2	10	91.8	1811		8.830271	
7	2	10	62.7	1029		10.367246	
8	1	10	82.9			10.956173	

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	19	77.7	1853		0.458658	
1	3	19	62.4	1438	1049	0.909323	
2	2	19	98.7	1036		1.311548	
3	3	19	87.2	1339	1307	1.968183	
4	2	19	68.7	1272		3.144453	
5	1	19	77.3			3.744002	
6	1	19	82.0			4.388756	
7	3	19	50.3	1282	1964	4.702572	
8	3	19	66.5	1743	1346	5.547738	
9	2	19	84.9	1674		5.936281	1
10	2	19	60.6	1921		6.941185	
11	1	19	78.8			7.424349	
12	2	19	56.0	1074		8.032432	
13	1	19	95.1			8.575436	
14	2	19	68.7	1679		9.335244	
15	3	19	97.4	1226	1470	10.023853	
16	2	19	81.4	1126		10.689643	
17	3	19	53.7	1669	1660	11.177486	
18	1	19	56.4			11.963936	

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	13	98.9	1144		0.598966	1
1	1	13	60.6			1.766583	
2	3	13	79.2	1273	1216	3.438810	
3	2	13	60.7	1386		3.966624	
4	2	13	91.2	1937		5.234670	
5	1	13	99.0			6.083252	
6	1	13	84.3			8.344752	
7	2	13	50.2	1982		9.204277	
8	2	13	76.4	1161		10.097521	
9	1	13	65.6			11.872244	

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	17	51.9			0.219539	1
1	1	17	65.0			0.802361	
2	2	17	72.3	1229		1.545552	
3	3	17	87.3	1701	1728	2.379032	
4	2	17	73.1	1993		3.192908	
5	1	17	72.0			3.833770	
6	2	17	67.3	1226		4.579032	
7	2	17	90.6	1379		5.354033	
8	3	17	90.5	1997	1904	6.014480	
9	3	17	87.9	1705	1958	6.822908	
10	2	17	79.4	1678		8.185645	
11	2	17	65.4	1782		8.359431	
12	3	17	66.2	1022	1185	9.643325	
13	1	17	58.9			10.197108	
14	2	17	55.7	1717		10.959905	
15	2	17	97.7	1968		11.305346	

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	2	14	98.2	1271		0.505128	
1	2	14	65.5	1477		1.168313	
2	1	14	78.1			2.196739	
3	2	14	66.7	1438		2.574171	
4	2	14	77.4	1433		3.926243	
5	1	14	67.9			4.324818	
6	1	14	88.3			5.620804	1
7	1	14	72.0			6.350163	
8	3	14	65.2	1669	1503	6.936385	
9	2	14	76.0	1002		7.735945	
10	3	14	51.8	1142	1084	8.804124	
11	2	14	79.9	1921		9.600292	
12	1	14	92.0			10.733444	

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	3	17	69.2	1967	1007	0.283369	
1	2	17	75.9	1782		1.805925	
2	3	17	77.9	1664	1812	2.339704	
3	2	17	96.5	1702		3.105828	
4	1	17	53.9			4.564624	
5	2	17	59.1	1304		4.795976	
6	2	17	64.1	1788		6.308131	1
7	1	17	65.4			6.683727	
8	2	17	63.7	1164		7.959820	
9	3	17	57.8	1932	1876	8.721611	
10	1	17	83.9			9.249347	
11	1	17	90.4			10.551377	
12	3	17	99.7	1620	1149	11.353753	

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	82.2	1267		0.250744	
1	3	17	56.5	1064	1969	0.779411	
2	2	17	92.9	1122		2.045758	
3	1	17	52.5			2.550401	
4	3	17	68.9	1101	1694	3.388626	
5	2	17	72.5	1893		3.939971	
6	1	17	73.1			4.840808	
7	2	17	56.2	1980		5.348451	
8	3	17	78.0	1684	1945	5.822109	1
9	2	17	72.2	1160		6.525256	
10	2	17	56.3	1587		7.340570	
11	3	17	52.9	1709	1064	7.919145	
12	3	17	64.1	1041	1625	9.035391	
13	2	17	88.3	1309		9.495114	
14	2	17	61.8	1420		10.183991	
15	1	17	58.8			10.807417	
16	2	17	58.9	1014		11.369595	

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	10	86.2	1894		0.259753	
1	2	10	80.8	1999		1.372123	
2	1	10	68.5			2.372852	
3	1	10	92.5			3.565070	
4	1	10	87.1			4.317579	
5	2	10	59.4	1108		5.441058	
6	2	10	75.4	1686		6.138535	1
7	2	10	95.0	1057		6.578926	
8	2	10	56.4	1659		7.591067	
9	2	10	81.0	1629		9.046772	
10	2	10	56.1	1405		9.795584	
11	2	10	70.9	1808		11.025702	
12	3	10	87.2	1122	1226	11.829774	

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	18	69.8	1542		0.093395	1
1	2	18	69.6	1899		1.433674	
2	1	18	52.0			1.908961	
3	3	18	63.0	1956	1130	2.267548	
4	2	18	98.7	1217		3.316077	
5	2	18	76.2	1292		3.827851	
6	2	18	82.7	1891		4.954142	
7	3	18	52.2	1903	1557	5.424866	
8	3	18	96.9	1730	1910	6.084890	
9	2	18	82.4	1636		6.873059	
10	2	18	75.8	1734		7.827764	
11	2	18	94.2	1415		8.976882	
12	3	18	87.3	1369	1169	9.213774	
13	3	18	73.5	1509	1070	10.185190	
14	2	18	89.6	1249		11.159605	
15	1	18	80.7			11.760597	

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	12	83.8	1888	1386	0.253099	1
1	3	12	93.0	1033	1221	1.289829	
2	2	12	60.3	1954		1.717025	
3	2	12	55.0	1632		2.300263	
4	2	12	75.3	1805		3.263208	
5	1	12	64.9			4.355328	
6	2	12	83.1	1464		5.228319	
7	2	12	54.7	1840		5.339433	
8	1	12	99.7			6.335060	
9	2	12	75.0	1766		7.070667	
10	1	12	51.7			7.785960	
11	3	12	79.1	1538	1044	8.300573	
12	2	12	56.3	1262		9.412109	
13	2	12	96.4	1782		10.111322	
14	1	12	54.2			11.244819	
15	3	12	63.7	1355	1352	11.517663	

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	19	78.7	1234		0.244197	
1	2	19	83.6	1935		0.887322	
2	2	19	86.2	1152		1.942452	
3	3	19	93.2	1498	1614	2.521194	
4	2	19	98.8	1932		3.398446	
5	2	19	91.1	1416		4.642540	
6	3	19	82.6	1913	1899	5.486664	
7	1	19	97.3			6.349616	1
8	3	19	63.0	1639	1730	6.817797	
9	2	19	69.0	1321		7.495463	
10	3	19	81.7	1791	1069	8.602740	
11	1	19	85.9			9.291827	
12	2	19	84.4	1054		9.658259	
13	2	19	83.4	1706		10.981136	
14	1	19	74.6			11.651323	

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	15	71.6	1400	1957	0.094309	
1	2	15	99.7	1053		1.250846	
2	2	15	89.7	1485		1.540808	
3	2	15	66.4	1249		2.608028	
4	2	15	52.9	1008		3.137691	
5	2	15	85.8	1584		3.967686	
6	2	15	86.1	1412		5.029496	
7	2	15	65.5	1517		5.639802	
8	2	15	90.2	1235		6.232281	1
9	2	15	55.4	1790		7.355674	
10	1	15	58.5			7.572266	
11	1	15	98.8			8.459134	
12	2	15	96.4	1532		9.431331	
13	1	15	82.6			10.047023	
14	1	15	66.3			10.971893	
15	1	15	53.5			11.398730	

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	20	99.3			0.949470	1
1	3	20	87.8	1738	1405	2.851764	
2	3	20	55.9	1828	1186	3.792123	
3	2	20	95.7	1389		4.925469	
4	2	20	92.7	1459		7.351786	
5	1	20	63.5			8.042350	
6	1	20	81.1			9.172639	
7	2	20	65.6	1115		10.980420	

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	63.7	1056		0.564094	1
1	2	19	62.1	1753		2.615556	
2	2	19	88.1	1818		3.145434	
3	2	19	96.9	1694		4.181150	
4	2	19	88.4	1019		6.169939	
5	2	19	66.4	1388		7.566621	
6	1	19	85.8			8.109799	
7	2	19	93.7	1127		10.512497	
8	1	19	80.4			11.398303	

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	73.2	1966		0.689745	1
1	2	12	75.8	1156		1.409149	
2	2	12	84.6	1309		2.912428	
3	2	12	80.8	1672		3.302624	
4	2	12	89.0	1531		4.740352	
5	1	12	94.8			5.351275	
6	2	12	80.7	1543		6.342809	
7	2	12	92.9	1129		7.046618	
8	3	12	63.2	1470	1336	8.233051	
9	2	12	67.9	1523		9.076500	
10	2	12	93.1	1354		10.845960	
11	2	12	62.5	1042		11.797866	

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	20	71.0	1062		0.814277	1
1	3	20	57.1	1944	1857	0.887657	
2	1	20	54.7			2.432843	
3	2	20	81.1	1513		3.278660	
4	1	20	86.0			3.972000	
5	1	20	63.7			4.919420	
6	1	20	52.0			5.204251	
7	2	20	54.3	1891		6.197148	
8	3	20	99.2	1819	1954	7.691458	
9	2	20	78.9	1708		8.002469	
10	1	20	84.8			8.788806	
11	3	20	55.3	1403	1162	9.433060	
12	3	20	96.5	1394	1105	10.638050	
13	2	20	80.0	1903		11.744722	

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	10	62.1			0.451194	
1	2	10	94.0	1947		1.131833	
2	2	10	85.2	1009		2.531714	
3	1	10	66.8			2.803622	
4	3	10	50.1	1010	1354	4.227830	
5	3	10	92.6	1266	1444	5.265403	
6	1	10	66.4			6.161449	1
7	2	10	93.5	1169		6.906242	
8	3	10	74.1	1035	1499	8.238795	
9	1	10	75.9			8.837241	
10	3	10	71.8	1332	1680	9.281879	
11	2	10	87.1	1781		10.405275	
12	2	10	95.4	1088		11.158614	

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	65.9	1337		0.564926	
1	1	18	82.6			1.246146	
2	1	18	68.4			1.728117	
3	1	18	62.9			2.690827	
4	2	18	57.7	1577		3.456582	
5	2	18	81.2	1903		4.311594	
6	2	18	77.6	1330		5.458787	
7	1	18	56.2			5.903436	1
8	1	18	50.9			6.479651	
9	1	18	67.5			7.314310	
10	3	18	99.1	1019	1137	8.631150	
11	2	18	64.4	1607		9.309692	
12	1	18	90.0			10.041844	
13	2	18	79.2	1928		10.523753	
14	2	18	67.5	1380		11.414940	

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	7	68.6	1913		0.829095	
1	1	7	70.1			1.402415	
2	2	7	55.0	1228		2.250914	
3	3	7	71.3	1342	1433	3.688054	
4	2	7	66.8	1991		5.256394	
5	2	7	95.0	1970		5.593431	1
6	3	7	89.0	1166	1563	6.621582	
7	3	7	69.6	1622	1559	8.042180	
8	1	7	80.5			9.310551	
9	2	7	81.2	1308		10.654037	
10	1	7	64.8			11.255805	

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	11	96.6	1332		0.431523	
1	1	11	59.5			1.124537	
2	2	11	85.3	1656		1.896804	
3	3	11	69.6	1388	1043	3.610736	
4	3	11	60.7	1076	1083	4.397296	
5	1	11	94.3			4.921230	
6	2	11	75.5	1239		6.140581	1
7	2	11	65.3	1948		6.657195	
8	2	11	71.9	1436		7.601661	
9	3	11	52.2	1595	1255	8.663601	
10	2	11	55.4	1906		9.571136	
11	2	11	81.0	1968		10.673060	
12	3	11	83.3	1744	1304	11.611901	

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	5500.0	9	1.0	333	1	5418.0, 5305.0, 5477.0, 5371.0, 5323.0, 5419.0, 5549.0, 5292.0, 5369.0, 5486.0, 5421.0, 5291.0, 5656.0, 5709.0, 5423.0, 5522.0, 5609.0, 5282.0, 5275.0, 5565.0, 5541.0, 5433.0, 5629.0, 5575.0, 5295.0, 5564.0, 5345.0, 5426.0, 5679.0, 5497.0, 5514.0, 5462.0, 5389.0, 5388.0, 5324.0, 5707.0, 5338.0, 5608.0, 5500.0, 5623.0, 5660.0, 5381.0, 5676.0, 5489.0, 5704.0, 5416.0, 5315.0, 5422.0, 5476.0, 5340.0, 5616.0, 5474.0, 5270.0, 5267.0, 5302.0, 5499.0, 5686.0, 5551.0, 5425.0, 5390.0, 5690.0, 5415.0, 5701.0, 5593.0, 5443.0, 5485.0, 5718.0, 5542.0, 5460.0, 5712.0, 5617.0, 5329.0, 5554.0, 5281.0, 5360.0, 5427.0, 5508.0, 5661.0, 5361.0, 5615.0, 5668.0, 5507.0, 5467.0, 5429.0, 5346.0, 5399.0, 5674.0, 5713.0, 5517.0, 5664.0, 5509.0, 5278.0, 5643.0, 5303.0, 5484.0, 5692.0, 5420.0, 5494.0, 5677.0, 5344.0 (number of hits: 6)
2	5500.0	9	1.0	333	1	5427.0, 5555.0, 5677.0, 5479.0, 5567.0, 5564.0, 5689.0, 5416.0, 5276.0, 5268.0, 5625.0, 5368.0, 5321.0, 5550.0, 5257.0, 5277.0, 5557.0, 5588.0, 5680.0, 5609.0, 5613.0, 5691.0, 5568.0, 5532.0, 5721.0, 5603.0, 5382.0, 5273.0, 5483.0, 5311.0, 5316.0, 5476.0, 5272.0, 5718.0, 5545.0, 5308.0, 5388.0, 5535.0, 5522.0, 5373.0, 5299.0, 5621.0, 5665.0, 5610.0, 5314.0, 5395.0, 5500.0, 5648.0, 5642.0, 5593.0, 5295.0, 5541.0, 5627.0, 5336.0, 5436.0, 5528.0, 5444.0, 5412.0, 5640.0, 5287.0, 5420.0, 5400.0, 5723.0, 5480.0, 5484.0, 5608.0, 5579.0, 5346.0, 5601.0, 5520.0, 5551.0, 5490.0, 5372.0, 5553.0, 5265.0, 5623.0, 5566.0, 5710.0, 5638.0, 5695.0, 5356.0, 5455.0, 5542.0, 5617.0, 5376.0, 5693.0, 5406.0, 5565.0, 5374.0, 5320.0, 5632.0, 5678.0, 5371.0, 5521.0, 5715.0, 5251.0, 5363.0, 5552.0, 5294.0, 5445.0 (number of hits: 1)
3	5500.0	9	1.0	333	0	
4	5500.0	9	1.0	333	1	5521.0, 5649.0, 5488.0, 5415.0, 5377.0, 5576.0, 5536.0, 5664.0, 5443.0, 5279.0, 5689.0, 5467.0, 5660.0, 5632.0, 5693.0, 5680.0, 5307.0, 5605.0, 5352.0, 5264.0, 5590.0, 5676.0, 5321.0, 5326.0, 5284.0, 5535.0, 5619.0, 5525.0, 5583.0, 5519.0, 5585.0, 5462.0, 5507.0, 5520.0, 5454.0, 5683.0, 5351.0, 5333.0, 5492.0, 5493.0, 5495.0, 5372.0, 5465.0, 5527.0, 5543.0, 5285.0, 5480.0, 5414.0, 5464.0, 5692.0, 5690.0, 5456.0, 5633.0, 5667.0, 5311.0, 5292.0, 5567.0, 5476.0, 5713.0, 5274.0, 5271.0, 5364.0, 5531.0, 5691.0, 5294.0, 5715.0, 5620.0, 5478.0, 5522.0, 5389.0, 5438.0, 5561.0, 5365.0, 5251.0, 5517.0, 5717.0, 5390.0, 5427.0, 5646.0, 5582.0, 5306.0, 5550.0, 5526.0, 5538.0, 5345.0, 5710.0, 5255.0, 5592.0, 5286.0, 5473.0, 5440.0, 5593.0, 5504.0, 5544.0, 5640.0, 5629.0, 5348.0, 5510.0, 5422.0, 5721.0 (number of hits: 5)
5	5500.0	9	1.0	333	1	5334.0, 5644.0, 5447.0, 5347.0, 5453.0, 5719.0, 5692.0, 5683.0, 5712.0, 5501.0, 5372.0, 5299.0, 5496.0, 5561.0, 5514.0, 5452.0, 5673.0, 5384.0, 5378.0, 5649.0, 5697.0, 5269.0, 5604.0, 5270.0, 5440.0, 5320.0, 5477.0, 5717.0, 5348.0, 5619.0, 5414.0, 5500.0, 5457.0, 5581.0, 5508.0, 5575.0, 5705.0, 5344.0, 5579.0, 5663.0, 5617.0, 5602.0, 5704.0, 5423.0, 5468.0, 5656.0, 5396.0, 5278.0, 5331.0, 5606.0, 5562.0, 5281.0, 5695.0, 5546.0, 5338.0, 5360.0, 5461.0, 5646.0, 5681.0, 5539.0, 5383.0, 5273.0, 5637.0, 5354.0, 5481.0, 5498.0, 5380.0, 5471.0, 5670.0, 5376.0,

						5405.0, 5715.0, 5588.0, 5630.0, 5326.0, 5342.0, 5297.0, 5253.0, 5436.0, 5322.0, 5308.0, 5469.0, 5687.0, 5537.0, 5624.0, 5513.0, 5713.0, 5710.0, 5307.0, 5486.0, 5527.0, 5626.0, 5568.0, 5669.0, 5507.0, 5543.0, 5519.0, 5413.0, 5563.0, 5570.0 (number of hits: 6)
6	5500.0	9	1.0	333	1	5616.0, 5268.0, 5385.0, 5646.0, 5429.0, 5578.0, 5623.0, 5508.0, 5412.0, 5502.0, 5545.0, 5355.0, 5664.0, 5537.0, 5714.0, 5267.0, 5364.0, 5482.0, 5327.0, 5464.0, 5289.0, 5529.0, 5676.0, 5619.0, 5509.0, 5390.0, 5408.0, 5450.0, 5624.0, 5638.0, 5568.0, 5321.0, 5551.0, 5425.0, 5656.0, 5661.0, 5411.0, 5416.0, 5347.0, 5469.0, 5494.0, 5310.0, 5605.0, 5536.0, 5652.0, 5357.0, 5441.0, 5718.0, 5610.0, 5261.0, 5607.0, 5596.0, 5421.0, 5266.0, 5625.0, 5362.0, 5507.0, 5360.0, 5278.0, 5402.0, 5314.0, 5467.0, 5706.0, 5570.0, 5322.0, 5468.0, 5288.0, 5401.0, 5444.0, 5287.0, 5702.0, 5447.0, 5373.0, 5318.0, 5328.0, 5586.0, 5463.0, 5283.0, 5527.0, 5376.0, 5418.0, 5309.0, 5313.0, 5618.0, 5255.0, 5495.0, 5539.0, 5388.0, 5662.0, 5615.0, 5647.0, 5317.0, 5549.0, 5608.0, 5592.0, 5433.0, 5352.0, 5584.0, 5547.0, 5582.0 (number of hits: 5)
7	5500.0	9	1.0	333	1	5563.0, 5407.0, 5718.0, 5670.0, 5349.0, 5693.0, 5347.0, 5496.0, 5376.0, 5363.0, 5498.0, 5678.0, 5524.0, 5457.0, 5443.0, 5499.0, 5711.0, 5526.0, 5597.0, 5474.0, 5351.0, 5618.0, 5650.0, 5631.0, 5502.0, 5313.0, 5617.0, 5296.0, 5657.0, 5307.0, 5714.0, 5456.0, 5274.0, 5256.0, 5270.0, 5475.0, 5690.0, 5684.0, 5671.0, 5295.0, 5365.0, 5326.0, 5513.0, 5453.0, 5696.0, 5416.0, 5574.0, 5710.0, 5328.0, 5606.0, 5598.0, 5543.0, 5697.0, 5640.0, 5413.0, 5547.0, 5549.0, 5519.0, 5317.0, 5647.0, 5478.0, 5372.0, 5291.0, 5267.0, 5434.0, 5509.0, 5565.0, 5469.0, 5685.0, 5445.0, 5331.0, 5485.0, 5550.0, 5415.0, 5268.0, 5440.0, 5420.0, 5280.0, 5285.0, 5441.0, 5709.0, 5390.0, 5654.0, 5515.0, 5717.0, 5666.0, 5290.0, 5369.0, 5698.0, 5253.0, 5564.0, 5282.0, 5299.0, 5371.0, 5518.0, 5292.0, 5348.0, 5261.0, 5464.0, 5311.0 (number of hits: 4)
8	5500.0	9	1.0	333	1	5499.0, 5275.0, 5645.0, 5670.0, 5367.0, 5566.0, 5518.0, 5611.0, 5264.0, 5639.0, 5503.0, 5469.0, 5720.0, 5358.0, 5269.0, 5538.0, 5685.0, 5319.0, 5487.0, 5627.0, 5665.0, 5399.0, 5407.0, 5445.0, 5384.0, 5589.0, 5647.0, 5331.0, 5421.0, 5311.0, 5718.0, 5687.0, 5606.0, 5489.0, 5623.0, 5625.0, 5400.0, 5278.0, 5505.0, 5548.0, 5578.0, 5635.0, 5398.0, 5644.0, 5501.0, 5561.0, 5557.0, 5677.0, 5573.0, 5659.0, 5483.0, 5419.0, 5396.0, 5604.0, 5540.0, 5496.0, 5451.0, 5350.0, 5474.0, 5556.0, 5585.0, 5669.0, 5526.0, 5478.0, 5502.0, 5612.0, 5692.0, 5286.0, 5448.0, 5300.0, 5576.0, 5550.0, 5551.0, 5260.0, 5481.0, 5302.0, 5383.0, 5417.0, 5377.0, 5681.0, 5486.0, 5696.0, 5614.0, 5649.0, 5531.0, 5416.0, 5431.0, 5554.0, 5723.0, 5361.0, 5429.0, 5297.0, 5537.0, 5514.0, 5530.0, 5609.0, 5533.0, 5520.0, 5711.0, 5657.0 (number of hits: 6)
9	5500.0	9	1.0	333	1	5441.0, 5369.0, 5564.0, 5290.0, 5569.0, 5407.0, 5455.0, 5453.0, 5478.0, 5349.0, 5607.0, 5277.0, 5435.0, 5610.0, 5702.0, 5326.0, 5317.0, 5568.0, 5616.0, 5398.0, 5518.0, 5261.0, 5474.0, 5345.0, 5514.0, 5533.0, 5551.0, 5559.0, 5622.0, 5689.0, 5628.0, 5682.0, 5281.0, 5456.0, 5537.0, 5585.0, 5308.0, 5515.0, 5664.0, 5458.0, 5501.0, 5493.0, 5560.0, 5268.0, 5566.0, 5412.0, 5325.0, 5473.0, 5259.0, 5355.0, 5279.0, 5598.0, 5251.0, 5614.0, 5502.0, 5374.0, 5499.0, 5426.0, 5524.0, 5432.0, 5580.0, 5672.0, 5378.0, 5611.0, 5254.0, 5588.0, 5615.0, 5465.0, 5589.0, 5563.0, 5635.0, 5530.0, 5582.0, 5372.0, 5587.0, 5414.0, 5320.0, 5260.0, 5423.0, 5573.0, 5678.0, 5301.0, 5686.0, 5681.0,

						5554.0, 5718.0, 5410.0, 5480.0, 5327.0, 5647.0, 5461.0, 5437.0, 5583.0, 5381.0, 5406.0, 5444.0, 5409.0, 5303.0, 5506.0, 5545.0 (number of hits: 5)
10	5500.0	9	1.0	333	1	5282.0, 5415.0, 5433.0, 5289.0, 5363.0, 5442.0, 5574.0, 5533.0, 5292.0, 5390.0, 5665.0, 5403.0, 5474.0, 5686.0, 5263.0, 5498.0, 5691.0, 5596.0, 5484.0, 5721.0, 5599.0, 5679.0, 5594.0, 5704.0, 5598.0, 5438.0, 5646.0, 5285.0, 5468.0, 5545.0, 5641.0, 5622.0, 5270.0, 5279.0, 5386.0, 5269.0, 5715.0, 5394.0, 5527.0, 5626.0, 5588.0, 5577.0, 5326.0, 5308.0, 5444.0, 5600.0, 5526.0, 5672.0, 5402.0, 5614.0, 5593.0, 5677.0, 5608.0, 5591.0, 5368.0, 5383.0, 5470.0, 5418.0, 5473.0, 5659.0, 5670.0, 5463.0, 5365.0, 5683.0, 5681.0, 5609.0, 5655.0, 5542.0, 5396.0, 5556.0, 5301.0, 5464.0, 5452.0, 5417.0, 5619.0, 5668.0, 5319.0, 5719.0, 5344.0, 5714.0, 5558.0, 5490.0, 5703.0, 5578.0, 5299.0, 5291.0, 5504.0, 5605.0, 5420.0, 5477.0, 5653.0, 5586.0, 5485.0, 5272.0, 5405.0, 5620.0, 5584.0, 5565.0, 5697.0, 5624.0 (number of hits: 2)
11	5500.0	9	1.0	333	1	5607.0, 5464.0, 5345.0, 5402.0, 5621.0, 5706.0, 5634.0, 5461.0, 5628.0, 5679.0, 5711.0, 5672.0, 5650.0, 5393.0, 5316.0, 5446.0, 5456.0, 5645.0, 5519.0, 5491.0, 5623.0, 5458.0, 5444.0, 5638.0, 5719.0, 5508.0, 5533.0, 5401.0, 5576.0, 5264.0, 5331.0, 5478.0, 5289.0, 5557.0, 5677.0, 5622.0, 5604.0, 5460.0, 5301.0, 5364.0, 5499.0, 5329.0, 5263.0, 5526.0, 5599.0, 5419.0, 5414.0, 5627.0, 5531.0, 5320.0, 5592.0, 5311.0, 5365.0, 5543.0, 5283.0, 5321.0, 5422.0, 5412.0, 5572.0, 5637.0, 5483.0, 5657.0, 5326.0, 5342.0, 5668.0, 5506.0, 5663.0, 5603.0, 5556.0, 5701.0, 5411.0, 5684.0, 5332.0, 5590.0, 5653.0, 5494.0, 5687.0, 5398.0, 5459.0, 5362.0, 5610.0, 5555.0, 5476.0, 5597.0, 5710.0, 5428.0, 5575.0, 5374.0, 5371.0, 5462.0, 5363.0, 5541.0, 5707.0, 5702.0, 5481.0, 5257.0, 5453.0, 5421.0, 5472.0, 5357.0 (number of hits: 5)
12	5500.0	9	1.0	333	1	5607.0, 5582.0, 5707.0, 5645.0, 5559.0, 5570.0, 5491.0, 5626.0, 5553.0, 5697.0, 5496.0, 5587.0, 5427.0, 5474.0, 5661.0, 5286.0, 5523.0, 5515.0, 5263.0, 5383.0, 5603.0, 5688.0, 5601.0, 5536.0, 5598.0, 5397.0, 5428.0, 5535.0, 5407.0, 5632.0, 5261.0, 5618.0, 5437.0, 5435.0, 5363.0, 5470.0, 5357.0, 5252.0, 5401.0, 5461.0, 5511.0, 5495.0, 5267.0, 5299.0, 5419.0, 5258.0, 5387.0, 5384.0, 5320.0, 5405.0, 5381.0, 5657.0, 5540.0, 5287.0, 5659.0, 5444.0, 5508.0, 5335.0, 5512.0, 5471.0, 5605.0, 5721.0, 5720.0, 5317.0, 5538.0, 5716.0, 5455.0, 5494.0, 5479.0, 5709.0, 5308.0, 5555.0, 5425.0, 5355.0, 5334.0, 5596.0, 5622.0, 5714.0, 5717.0, 5275.0, 5613.0, 5513.0, 5684.0, 5602.0, 5422.0, 5576.0, 5251.0, 5510.0, 5490.0, 5292.0, 5423.0, 5348.0, 5715.0, 5463.0, 5530.0, 5573.0, 5639.0, 5465.0, 5472.0, 5699.0 (number of hits: 5)
13	5500.0	9	1.0	333	1	5547.0, 5629.0, 5358.0, 5623.0, 5668.0, 5479.0, 5316.0, 5428.0, 5350.0, 5299.0, 5603.0, 5522.0, 5475.0, 5486.0, 5468.0, 5529.0, 5680.0, 5568.0, 5721.0, 5263.0, 5573.0, 5256.0, 5583.0, 5254.0, 5562.0, 5274.0, 5319.0, 5307.0, 5320.0, 5346.0, 5359.0, 5544.0, 5258.0, 5371.0, 5352.0, 5660.0, 5388.0, 5579.0, 5612.0, 5611.0, 5408.0, 5417.0, 5715.0, 5621.0, 5564.0, 5461.0, 5647.0, 5430.0, 5369.0, 5396.0, 5634.0, 5304.0, 5266.0, 5642.0, 5540.0, 5587.0, 5446.0, 5676.0, 5639.0, 5390.0, 5590.0, 5594.0, 5626.0, 5532.0, 5528.0, 5593.0, 5553.0, 5410.0, 5255.0, 5582.0, 5419.0, 5342.0, 5596.0, 5252.0, 5602.0, 5684.0, 5438.0, 5565.0, 5508.0, 5298.0, 5719.0, 5305.0, 5406.0, 5356.0, 5335.0, 5259.0, 5364.0, 5482.0, 5337.0, 5277.0, 5638.0, 5617.0, 5651.0, 5505.0, 5636.0, 5269.0, 5691.0, 5317.0,

						5566.0, 5303.0 (number of hits: 2)
14	5500.0	9	1.0	333	1	5334.0, 5304.0, 5563.0, 5405.0, 5459.0, 5393.0, 5456.0, 5355.0, 5581.0, 5703.0, 5640.0, 5275.0, 5266.0, 5396.0, 5643.0, 5489.0, 5425.0, 5486.0, 5327.0, 5323.0, 5465.0, 5639.0, 5712.0, 5620.0, 5370.0, 5308.0, 5587.0, 5642.0, 5316.0, 5707.0, 5442.0, 5307.0, 5493.0, 5627.0, 5514.0, 5535.0, 5437.0, 5483.0, 5350.0, 5549.0, 5472.0, 5585.0, 5500.0, 5335.0, 5448.0, 5682.0, 5365.0, 5600.0, 5299.0, 5313.0, 5570.0, 5285.0, 5630.0, 5584.0, 5696.0, 5311.0, 5578.0, 5567.0, 5494.0, 5612.0, 5582.0, 5664.0, 5418.0, 5477.0, 5428.0, 5474.0, 5542.0, 5633.0, 5431.0, 5593.0, 5398.0, 5351.0, 5590.0, 5293.0, 5385.0, 5375.0, 5646.0, 5397.0, 5676.0, 5312.0, 5490.0, 5394.0, 5647.0, 5380.0, 5615.0, 5495.0, 5378.0, 5435.0, 5426.0, 5487.0, 5506.0, 5338.0, 5559.0, 5677.0, 5336.0, 5634.0, 5492.0, 5305.0, 5289.0, 5264.0 (number of hits: 6)
15	5500.0	9	1.0	333	1	5698.0, 5495.0, 5562.0, 5676.0, 5383.0, 5579.0, 5282.0, 5519.0, 5344.0, 5578.0, 5396.0, 5456.0, 5654.0, 5401.0, 5652.0, 5524.0, 5509.0, 5450.0, 5352.0, 5358.0, 5418.0, 5404.0, 5468.0, 5308.0, 5253.0, 5488.0, 5532.0, 5679.0, 5508.0, 5298.0, 5620.0, 5299.0, 5346.0, 5669.0, 5554.0, 5645.0, 5300.0, 5556.0, 5674.0, 5347.0, 5713.0, 5649.0, 5569.0, 5680.0, 5406.0, 5597.0, 5631.0, 5547.0, 5522.0, 5677.0, 5379.0, 5498.0, 5595.0, 5516.0, 5338.0, 5512.0, 5610.0, 5255.0, 5393.0, 5539.0, 5416.0, 5264.0, 5668.0, 5634.0, 5504.0, 5476.0, 5684.0, 5390.0, 5689.0, 5391.0, 5337.0, 5297.0, 5359.0, 5632.0, 5455.0, 5466.0, 5566.0, 5666.0, 5565.0, 5540.0, 5400.0, 5459.0, 5419.0, 5608.0, 5425.0, 5600.0, 5387.0, 5527.0, 5474.0, 5702.0, 5678.0, 5287.0, 5293.0, 5511.0, 5405.0, 5389.0, 5505.0, 5630.0, 5251.0, 5458.0 (number of hits: 5)
16	5500.0	9	1.0	333	1	5368.0, 5682.0, 5674.0, 5656.0, 5665.0, 5470.0, 5556.0, 5378.0, 5496.0, 5576.0, 5374.0, 5269.0, 5619.0, 5528.0, 5320.0, 5468.0, 5479.0, 5633.0, 5589.0, 5606.0, 5398.0, 5439.0, 5703.0, 5336.0, 5295.0, 5631.0, 5285.0, 5260.0, 5459.0, 5290.0, 5723.0, 5460.0, 5624.0, 5386.0, 5503.0, 5586.0, 5636.0, 5305.0, 5664.0, 5431.0, 5596.0, 5275.0, 5563.0, 5312.0, 5271.0, 5280.0, 5720.0, 5371.0, 5341.0, 5316.0, 5462.0, 5432.0, 5626.0, 5707.0, 5532.0, 5653.0, 5333.0, 5343.0, 5339.0, 5276.0, 5644.0, 5413.0, 5584.0, 5327.0, 5536.0, 5348.0, 5613.0, 5408.0, 5313.0, 5611.0, 5678.0, 5484.0, 5411.0, 5330.0, 5519.0, 5447.0, 5268.0, 5571.0, 5527.0, 5293.0, 5465.0, 5288.0, 5643.0, 5354.0, 5706.0, 5608.0, 5255.0, 5558.0, 5615.0, 5335.0, 5342.0, 5531.0, 5622.0, 5304.0, 5382.0, 5476.0, 5346.0, 5353.0, 5564.0, 5456.0 (number of hits: 2)
17	5500.0	9	1.0	333	1	5355.0, 5459.0, 5405.0, 5326.0, 5420.0, 5705.0, 5390.0, 5720.0, 5527.0, 5419.0, 5520.0, 5617.0, 5335.0, 5546.0, 5530.0, 5333.0, 5719.0, 5578.0, 5600.0, 5580.0, 5277.0, 5490.0, 5510.0, 5434.0, 5289.0, 5699.0, 5612.0, 5528.0, 5556.0, 5440.0, 5431.0, 5337.0, 5562.0, 5638.0, 5369.0, 5716.0, 5294.0, 5592.0, 5377.0, 5653.0, 5449.0, 5410.0, 5283.0, 5367.0, 5356.0, 5402.0, 5672.0, 5706.0, 5301.0, 5666.0, 5639.0, 5281.0, 5329.0, 5721.0, 5519.0, 5517.0, 5421.0, 5354.0, 5307.0, 5646.0, 5589.0, 5352.0, 5591.0, 5309.0, 5488.0, 5391.0, 5483.0, 5408.0, 5323.0, 5407.0, 5345.0, 5437.0, 5718.0, 5288.0, 5468.0, 5258.0, 5332.0, 5532.0, 5413.0, 5522.0, 5585.0, 5383.0, 5314.0, 5555.0, 5362.0, 5601.0, 5344.0, 5568.0, 5515.0, 5385.0, 5260.0, 5547.0, 5300.0, 5500.0, 5454.0, 5403.0, 5268.0, 5634.0, 5551.0, 5308.0 (number of hits: 1)
18	5500.0	9	1.0	333	1	5461.0, 5652.0, 5323.0, 5336.0, 5561.0, 5481.0, 5685.0,

						5353.0, 5360.0, 5557.0, 5296.0, 5495.0, 5438.0, 5427.0, 5293.0, 5344.0, 5706.0, 5378.0, 5599.0, 5439.0, 5683.0, 5375.0, 5479.0, 5633.0, 5595.0, 5638.0, 5611.0, 5276.0, 5582.0, 5569.0, 5597.0, 5583.0, 5590.0, 5699.0, 5538.0, 5325.0, 5321.0, 5499.0, 5252.0, 5314.0, 5562.0, 5421.0, 5433.0, 5624.0, 5608.0, 5645.0, 5484.0, 5328.0, 5412.0, 5352.0, 5387.0, 5528.0, 5670.0, 5287.0, 5654.0, 5409.0, 5673.0, 5391.0, 5357.0, 5400.0, 5718.0, 5284.0, 5458.0, 5260.0, 5361.0, 5648.0, 5642.0, 5390.0, 5692.0, 5625.0, 5426.0, 5348.0, 5382.0, 5477.0, 5698.0, 5434.0, 5601.0, 5616.0, 5691.0, 5676.0, 5630.0, 5551.0, 5483.0, 5274.0, 5431.0, 5363.0, 5506.0, 5428.0, 5566.0, 5459.0, 5449.0, 5491.0, 5263.0, 5291.0, 5367.0, 5281.0, 5715.0, 5273.0, 5377.0, 5657.0 (number of hits: 4)
19	5500.0	9	1.0	333	1	5448.0, 5375.0, 5504.0, 5716.0, 5482.0, 5362.0, 5610.0, 5510.0, 5660.0, 5490.0, 5409.0, 5710.0, 5623.0, 5471.0, 5684.0, 5361.0, 5581.0, 5514.0, 5332.0, 5642.0, 5622.0, 5695.0, 5706.0, 5575.0, 5456.0, 5720.0, 5400.0, 5493.0, 5301.0, 5584.0, 5489.0, 5396.0, 5589.0, 5670.0, 5570.0, 5699.0, 5320.0, 5527.0, 5533.0, 5630.0, 5497.0, 5718.0, 5289.0, 5661.0, 5607.0, 5663.0, 5477.0, 5428.0, 5397.0, 5331.0, 5405.0, 5530.0, 5693.0, 5468.0, 5704.0, 5452.0, 5576.0, 5643.0, 5585.0, 5256.0, 5337.0, 5447.0, 5529.0, 5423.0, 5450.0, 5349.0, 5625.0, 5356.0, 5287.0, 5393.0, 5365.0, 5650.0, 5352.0, 5327.0, 5459.0, 5354.0, 5286.0, 5277.0, 5439.0, 5667.0, 5378.0, 5583.0, 5668.0, 5701.0, 5562.0, 5536.0, 5541.0, 5315.0, 5509.0, 5473.0, 5715.0, 5580.0, 5328.0, 5495.0, 5526.0, 5269.0, 5491.0, 5500.0, 5292.0, 5270.0 (number of hits: 6)
20	5500.0	9	1.0	333	1	5546.0, 5636.0, 5713.0, 5487.0, 5257.0, 5264.0, 5308.0, 5400.0, 5402.0, 5537.0, 5495.0, 5286.0, 5673.0, 5587.0, 5259.0, 5346.0, 5288.0, 5699.0, 5255.0, 5659.0, 5328.0, 5426.0, 5401.0, 5344.0, 5403.0, 5507.0, 5614.0, 5569.0, 5409.0, 5392.0, 5398.0, 5709.0, 5446.0, 5650.0, 5351.0, 5333.0, 5580.0, 5685.0, 5467.0, 5541.0, 5521.0, 5655.0, 5316.0, 5574.0, 5452.0, 5696.0, 5352.0, 5535.0, 5568.0, 5667.0, 5581.0, 5444.0, 5396.0, 5457.0, 5490.0, 5600.0, 5603.0, 5670.0, 5332.0, 5485.0, 5629.0, 5376.0, 5325.0, 5498.0, 5527.0, 5712.0, 5439.0, 5578.0, 5517.0, 5370.0, 5430.0, 5523.0, 5399.0, 5514.0, 5604.0, 5365.0, 5635.0, 5380.0, 5283.0, 5675.0, 5448.0, 5282.0, 5644.0, 5707.0, 5413.0, 5459.0, 5638.0, 5479.0, 5722.0, 5531.0, 5383.0, 5296.0, 5436.0, 5718.0, 5489.0, 5478.0, 5455.0, 5680.0, 5265.0, 5453.0 (number of hits: 3)
21	5500.0	9	1.0	333	1	5486.0, 5271.0, 5422.0, 5265.0, 5421.0, 5493.0, 5701.0, 5412.0, 5388.0, 5274.0, 5647.0, 5718.0, 5322.0, 5464.0, 5622.0, 5461.0, 5672.0, 5332.0, 5474.0, 5317.0, 5709.0, 5662.0, 5352.0, 5315.0, 5541.0, 5443.0, 5428.0, 5610.0, 5638.0, 5580.0, 5496.0, 5586.0, 5477.0, 5660.0, 5446.0, 5696.0, 5501.0, 5386.0, 5535.0, 5528.0, 5503.0, 5300.0, 5491.0, 5393.0, 5511.0, 5367.0, 5253.0, 5374.0, 5263.0, 5325.0, 5677.0, 5601.0, 5307.0, 5651.0, 5435.0, 5296.0, 5720.0, 5686.0, 5627.0, 5633.0, 5572.0, 5591.0, 5316.0, 5715.0, 5385.0, 5661.0, 5319.0, 5522.0, 5295.0, 5395.0, 5351.0, 5630.0, 5333.0, 5578.0, 5327.0, 5260.0, 5472.0, 5711.0, 5334.0, 5473.0, 5471.0, 5667.0, 5340.0, 5349.0, 5441.0, 5694.0, 5381.0, 5350.0, 5289.0, 5439.0, 5425.0, 5326.0, 5495.0, 5648.0, 5642.0, 5551.0, 5527.0, 5328.0, 5268.0, 5413.0 (number of hits: 6)
22	5500.0	9	1.0	333	1	5376.0, 5388.0, 5438.0, 5477.0, 5631.0, 5583.0, 5289.0, 5552.0, 5558.0, 5591.0, 5278.0, 5553.0, 5490.0, 5701.0, 5668.0, 5544.0, 5424.0, 5650.0, 5279.0, 5434.0, 5284.0,

						5326.0, 5695.0, 5659.0, 5690.0, 5503.0, 5546.0, 5272.0, 5340.0, 5590.0, 5559.0, 5441.0, 5349.0, 5300.0, 5480.0, 5265.0, 5350.0, 5408.0, 5531.0, 5709.0, 5496.0, 5662.0, 5356.0, 5455.0, 5273.0, 5636.0, 5700.0, 5627.0, 5362.0, 5343.0, 5567.0, 5680.0, 5679.0, 5374.0, 5561.0, 5512.0, 5685.0, 5251.0, 5476.0, 5625.0, 5495.0, 5457.0, 5574.0, 5651.0, 5473.0, 5433.0, 5528.0, 5589.0, 5647.0, 5487.0, 5657.0, 5641.0, 5444.0, 5504.0, 5280.0, 5534.0, 5494.0, 5341.0, 5286.0, 5537.0, 5372.0, 5328.0, 5447.0, 5645.0, 5430.0, 5618.0, 5405.0, 5427.0, 5431.0, 5596.0, 5621.0, 5577.0, 5281.0, 5318.0, 5381.0, 5543.0, 5404.0, 5491.0, 5628.0, 5332.0 (number of hits: 6)
23	5500.0	9	1.0	333	1	5442.0, 5496.0, 5508.0, 5471.0, 5517.0, 5439.0, 5298.0, 5346.0, 5415.0, 5472.0, 5399.0, 5326.0, 5391.0, 5521.0, 5330.0, 5477.0, 5518.0, 5327.0, 5463.0, 5722.0, 5349.0, 5362.0, 5387.0, 5455.0, 5531.0, 5325.0, 5398.0, 5405.0, 5317.0, 5255.0, 5502.0, 5646.0, 5512.0, 5658.0, 5562.0, 5360.0, 5417.0, 5689.0, 5682.0, 5450.0, 5392.0, 5310.0, 5541.0, 5509.0, 5633.0, 5513.0, 5283.0, 5655.0, 5397.0, 5575.0, 5553.0, 5670.0, 5588.0, 5650.0, 5595.0, 5554.0, 5280.0, 5355.0, 5676.0, 5404.0, 5468.0, 5654.0, 5350.0, 5371.0, 5490.0, 5552.0, 5618.0, 5540.0, 5408.0, 5316.0, 5395.0, 5560.0, 5559.0, 5500.0, 5690.0, 5679.0, 5345.0, 5256.0, 5342.0, 5416.0, 5370.0, 5413.0, 5582.0, 5486.0, 5583.0, 5373.0, 5264.0, 5414.0, 5664.0, 5649.0, 5665.0, 5534.0, 5260.0, 5354.0, 5364.0, 5615.0, 5680.0, 5358.0, 5474.0, 5604.0 (number of hits: 4)
24	5500.0	9	1.0	333	1	5708.0, 5567.0, 5358.0, 5711.0, 5511.0, 5436.0, 5256.0, 5586.0, 5462.0, 5719.0, 5718.0, 5539.0, 5644.0, 5517.0, 5454.0, 5629.0, 5500.0, 5429.0, 5528.0, 5488.0, 5296.0, 5574.0, 5322.0, 5354.0, 5720.0, 5715.0, 5373.0, 5425.0, 5510.0, 5601.0, 5344.0, 5568.0, 5405.0, 5668.0, 5308.0, 5335.0, 5435.0, 5420.0, 5465.0, 5566.0, 5318.0, 5377.0, 5594.0, 5352.0, 5664.0, 5647.0, 5258.0, 5363.0, 5717.0, 5701.0, 5616.0, 5516.0, 5254.0, 5679.0, 5414.0, 5585.0, 5666.0, 5472.0, 5309.0, 5392.0, 5268.0, 5270.0, 5386.0, 5573.0, 5638.0, 5555.0, 5450.0, 5289.0, 5490.0, 5690.0, 5677.0, 5675.0, 5397.0, 5348.0, 5624.0, 5662.0, 5504.0, 5531.0, 5470.0, 5605.0, 5655.0, 5394.0, 5423.0, 5603.0, 5345.0, 5417.0, 5286.0, 5600.0, 5457.0, 5705.0, 5596.0, 5604.0, 5400.0, 5587.0, 5674.0, 5359.0, 5634.0, 5338.0, 5632.0, 5357.0 (number of hits: 2)
25	5500.0	9	1.0	333	1	5578.0, 5443.0, 5313.0, 5258.0, 5338.0, 5652.0, 5558.0, 5544.0, 5460.0, 5517.0, 5700.0, 5298.0, 5368.0, 5397.0, 5381.0, 5263.0, 5453.0, 5303.0, 5675.0, 5418.0, 5536.0, 5486.0, 5722.0, 5651.0, 5564.0, 5607.0, 5277.0, 5344.0, 5438.0, 5677.0, 5705.0, 5491.0, 5555.0, 5508.0, 5425.0, 5340.0, 5378.0, 5385.0, 5470.0, 5661.0, 5457.0, 5426.0, 5489.0, 5615.0, 5363.0, 5440.0, 5711.0, 5374.0, 5455.0, 5604.0, 5429.0, 5657.0, 5556.0, 5268.0, 5359.0, 5492.0, 5537.0, 5423.0, 5458.0, 5343.0, 5485.0, 5307.0, 5694.0, 5333.0, 5519.0, 5474.0, 5260.0, 5712.0, 5413.0, 5553.0, 5389.0, 5434.0, 5692.0, 5490.0, 5462.0, 5280.0, 5365.0, 5323.0, 5312.0, 5334.0, 5561.0, 5597.0, 5337.0, 5390.0, 5469.0, 5299.0, 5262.0, 5589.0, 5632.0, 5633.0, 5276.0, 5669.0, 5592.0, 5574.0, 5317.0, 5681.0, 5373.0, 5527.0, 5304.0, 5582.0 (number of hits: 3)
26	5500.0	9	1.0	333	1	5465.0, 5684.0, 5627.0, 5450.0, 5252.0, 5447.0, 5537.0, 5628.0, 5630.0, 5407.0, 5469.0, 5391.0, 5556.0, 5583.0, 5356.0, 5271.0, 5682.0, 5505.0, 5634.0, 5344.0, 5402.0, 5639.0, 5432.0, 5372.0, 5510.0, 5714.0, 5413.0, 5586.0, 5351.0, 5438.0, 5598.0, 5363.0, 5523.0, 5568.0, 5579.0,

						5673.0, 5644.0, 5631.0, 5655.0, 5269.0, 5377.0, 5373.0, 5658.0, 5272.0, 5464.0, 5688.0, 5423.0, 5478.0, 5692.0, 5390.0, 5571.0, 5301.0, 5412.0, 5595.0, 5597.0, 5259.0, 5657.0, 5348.0, 5385.0, 5499.0, 5718.0, 5357.0, 5475.0, 5294.0, 5526.0, 5511.0, 5316.0, 5678.0, 5551.0, 5574.0, 5290.0, 5354.0, 5323.0, 5284.0, 5706.0, 5350.0, 5619.0, 5267.0, 5616.0, 5337.0, 5449.0, 5307.0, 5405.0, 5388.0, 5347.0, 5545.0, 5355.0, 5318.0, 5304.0, 5690.0, 5467.0, 5275.0, 5649.0, 5676.0, 5670.0, 5346.0, 5577.0, 5268.0, 5608.0, 5539.0 (number of hits: 2)
27	5500.0	9	1.0	333	1	5405.0, 5541.0, 5256.0, 5530.0, 5540.0, 5404.0, 5710.0, 5629.0, 5416.0, 5555.0, 5374.0, 5492.0, 5403.0, 5344.0, 5602.0, 5491.0, 5434.0, 5453.0, 5462.0, 5628.0, 5280.0, 5378.0, 5693.0, 5587.0, 5494.0, 5299.0, 5635.0, 5377.0, 5627.0, 5648.0, 5618.0, 5451.0, 5575.0, 5604.0, 5469.0, 5338.0, 5297.0, 5643.0, 5551.0, 5570.0, 5712.0, 5342.0, 5722.0, 5271.0, 5265.0, 5683.0, 5326.0, 5417.0, 5562.0, 5663.0, 5483.0, 5505.0, 5649.0, 5254.0, 5716.0, 5601.0, 5673.0, 5519.0, 5296.0, 5685.0, 5392.0, 5719.0, 5320.0, 5718.0, 5319.0, 5581.0, 5669.0, 5637.0, 5291.0, 5571.0, 5621.0, 5558.0, 5537.0, 5394.0, 5506.0, 5427.0, 5449.0, 5542.0, 5355.0, 5281.0, 5508.0, 5709.0, 5606.0, 5282.0, 5576.0, 5608.0, 5688.0, 5533.0, 5447.0, 5306.0, 5524.0, 5525.0, 5264.0, 5285.0, 5653.0, 5358.0, 5440.0, 5690.0, 5681.0, 5487.0 (number of hits: 6)
28	5500.0	9	1.0	333	1	5612.0, 5315.0, 5325.0, 5287.0, 5409.0, 5507.0, 5656.0, 5477.0, 5280.0, 5707.0, 5324.0, 5603.0, 5270.0, 5697.0, 5469.0, 5561.0, 5712.0, 5483.0, 5379.0, 5587.0, 5347.0, 5504.0, 5711.0, 5672.0, 5563.0, 5591.0, 5536.0, 5267.0, 5578.0, 5647.0, 5528.0, 5723.0, 5418.0, 5509.0, 5580.0, 5583.0, 5630.0, 5569.0, 5560.0, 5298.0, 5481.0, 5535.0, 5288.0, 5464.0, 5616.0, 5256.0, 5506.0, 5584.0, 5320.0, 5439.0, 5527.0, 5505.0, 5373.0, 5522.0, 5652.0, 5406.0, 5318.0, 5512.0, 5573.0, 5620.0, 5597.0, 5524.0, 5572.0, 5600.0, 5705.0, 5339.0, 5576.0, 5250.0, 5461.0, 5521.0, 5668.0, 5333.0, 5552.0, 5631.0, 5653.0, 5332.0, 5590.0, 5694.0, 5429.0, 5547.0, 5264.0, 5551.0, 5638.0, 5302.0, 5574.0, 5395.0, 5404.0, 5314.0, 5359.0, 5337.0, 5634.0, 5330.0, 5689.0, 5487.0, 5708.0, 5559.0, 5494.0, 5458.0, 5619.0, 5261.0 (number of hits: 5)
29	5500.0	9	1.0	333	1	5314.0, 5378.0, 5503.0, 5350.0, 5458.0, 5464.0, 5584.0, 5305.0, 5331.0, 5712.0, 5365.0, 5614.0, 5541.0, 5257.0, 5506.0, 5343.0, 5406.0, 5558.0, 5653.0, 5444.0, 5340.0, 5565.0, 5456.0, 5543.0, 5422.0, 5330.0, 5595.0, 5491.0, 5338.0, 5497.0, 5562.0, 5702.0, 5588.0, 5313.0, 5615.0, 5362.0, 5522.0, 5280.0, 5376.0, 5299.0, 5559.0, 5719.0, 5403.0, 5251.0, 5414.0, 5564.0, 5650.0, 5678.0, 5440.0, 5607.0, 5696.0, 5495.0, 5547.0, 5283.0, 5524.0, 5686.0, 5578.0, 5637.0, 5676.0, 5511.0, 5557.0, 5336.0, 5500.0, 5530.0, 5723.0, 5276.0, 5264.0, 5437.0, 5662.0, 5640.0, 5709.0, 5724.0, 5328.0, 5599.0, 5253.0, 5360.0, 5529.0, 5396.0, 5358.0, 5657.0, 5325.0, 5382.0, 5432.0, 5661.0, 5663.0, 5392.0, 5680.0, 5266.0, 5591.0, 5505.0, 5277.0, 5708.0, 5534.0, 5335.0, 5255.0, 5693.0, 5673.0, 5282.0, 5273.0, 5442.0 (number of hits: 7)
30	5500.0	9	1.0	333	1	5709.0, 5318.0, 5348.0, 5524.0, 5600.0, 5305.0, 5456.0, 5371.0, 5267.0, 5308.0, 5381.0, 5588.0, 5715.0, 5403.0, 5457.0, 5586.0, 5492.0, 5599.0, 5684.0, 5365.0, 5390.0, 5629.0, 5469.0, 5482.0, 5633.0, 5622.0, 5668.0, 5563.0, 5704.0, 5375.0, 5550.0, 5611.0, 5660.0, 5618.0, 5680.0, 5624.0, 5718.0, 5433.0, 5495.0, 5321.0, 5532.0, 5640.0, 5670.0, 5409.0, 5336.0, 5295.0, 5474.0, 5280.0, 5326.0,

						5590.0, 5446.0, 5521.0, 5587.0, 5655.0, 5695.0, 5470.0, 5554.0, 5675.0, 5488.0, 5439.0, 5278.0, 5582.0, 5646.0, 5714.0, 5696.0, 5723.0, 5676.0, 5569.0, 5329.0, 5576.0, 5528.0, 5429.0, 5673.0, 5568.0, 5370.0, 5692.0, 5410.0, 5419.0, 5681.0, 5427.0, 5672.0, 5286.0, 5565.0, 5504.0, 5455.0, 5584.0, 5250.0, 5373.0, 5561.0, 5516.0, 5328.0, 5658.0, 5537.0, 5454.0, 5378.0, 5276.0, 5491.0, 5451.0, 5523.0, 5527.0 (number of hits: 4)

P2MP Mode
Pine Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	86.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	76	1.0	698	1
2	63	1.0	838	1
3	95	1.0	558	1
4	92	1.0	578	1
5	68	1.0	778	1
6	58	1.0	918	1
7	86	1.0	618	1
8	65	1.0	818	1
9	59	1.0	898	1
10	61	1.0	878	1
11	72	1.0	738	1
12	62	1.0	858	1
13	83	1.0	638	1
14	99	1.0	538	1
15	57	1.0	938	1
1	21	1.0	2597	1
2	27	1.0	2026	1
3	30	1.0	1766	1
4	19	1.0	2918	1
5	24	1.0	2260	1
6	49	1.0	1088	1
7	35	1.0	1542	1
8	44	1.0	1201	1
9	23	1.0	2342	1
10	45	1.0	1189	1
11	59	1.0	899	0
12	23	1.0	2317	1
13	43	1.0	1241	1
14	25	1.0	2192	1
15	28	1.0	1897	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	3.8	151	1
2	27	4.3	181	1
3	26	3.1	200	1
4	25	1.1	169	1
5	28	4.2	161	1
6	27	1.8	211	1
7	27	2.8	163	1
8	27	1.9	210	1
9	29	2.8	230	1
10	24	4.1	202	1
11	28	1.2	174	1
12	25	3.3	188	1
13	24	4.5	197	1
14	23	2.0	182	0
15	28	2.6	224	1
16	27	2.6	173	1
17	29	3.0	195	1
18	28	1.9	205	1
19	25	3.8	214	1
20	29	2.2	228	1
21	25	4.0	206	1
22	23	1.4	191	1
23	24	1.4	150	1
24	26	4.1	214	1
25	29	3.9	189	1
26	26	4.0	158	1
27	26	1.7	206	1
28	29	2.1	180	0
29	27	2.1	167	0
30	25	3.5	225	1
Detection Percentage: 90 % (>60%)				