FCC PART 15.407
ISED RSS-247 ISSUE 2
LP0002-2020
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: LDKIW9165DH
IC: 2461A-IW9165DH
Similar Model: IW9165DH-ROW, IW9165DH-A, IW9165DH-B

Report Type: Original Report		**Product Type:** Access Point
Prepared By	Tao Jin Test Engineer	
Report Number	R2303014	
Report Date	2023-07-10	
Reviewed By	Simon Ma	
Bay Area Compliance Laboratories Corp. 1274 Anvilwood Ave Sunnyvale, CA 94089, USA Tel: (408) 732-9162, Fax: (408) 732 9164		

ACCREDITED
CERTIFICATE #3297.02

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2303014	Original Report	2023-07-10

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: LDKIW9165DH, IC:* 2461A-IW9165DH*,* Model: IW9165DH-B (FCC) and IW9165DH-A (ISED) as referred to as EUT in this report. The product is a BLE, 4.9 GHz, 5G Wi-Fi dual band, 6E Wi-Fi, and GNSS Outdoor 2x2 Access Point. The EUT has two radios: Pine and Cobalt. Both radios support up to 80 MHz channel bandwidth configurations. Both radios support operation in point to point (P2P) mode, point to multipoint (P2MP) mode, and point to multipoint Client Mode with Radar Detection.

IW9165DH-ROW and IW9165DH-A are electrically identical with the tested model: IW9165DH-B. Please refer to the Manufacturer Declaration of Similarity Letter in Annex C.

The EUT supports P2P, P2MP, and Client with radar detection modes for operation.

IW9165DH-B - B domain (Hardware PID)
IW9165DH-B-URWB – URWB mode

IW9165DH-A - A domain (Hardware PID)
IW9165DH-A -URWB – URWB mode

IW9165DH-ROW - ROW domain (Hardware PID)
IW9165DH-ROW-URWB – URWB mode

Note: 5600-5650MHz frequency range annot be used in Canada.

1.2 Mechanical Description of EUT

Length (cm)	Width (cm)	Height (cm)	Weight (kg)	S/N
19.6	18.0	6.0	1.60	FOC2647776J, FOC2647775

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, LP0002-2020 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

The objective was to determine compliance with FCC, ISED, and NCC rules for DFS Detection Threshold, Channel Availability Check Time, Uniform Spreading U-NII Detection Bandwidth, Channel Closing Transmission Time, and Channel Move time in P2P, P2MP and Client 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, NCC LP0002-2020

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 EnvCobaltmental 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 EUT firmware version:
ap1g6m-k9c1-tar.202303061800 for 20/40/80MHz;

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop RF1	Latitude E7440	C71SYZ1

2.5 Remote Support Equipment

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T490	PF-274C83
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, NCC LP0002-2020, 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, NCC LP0002-2020, 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	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	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

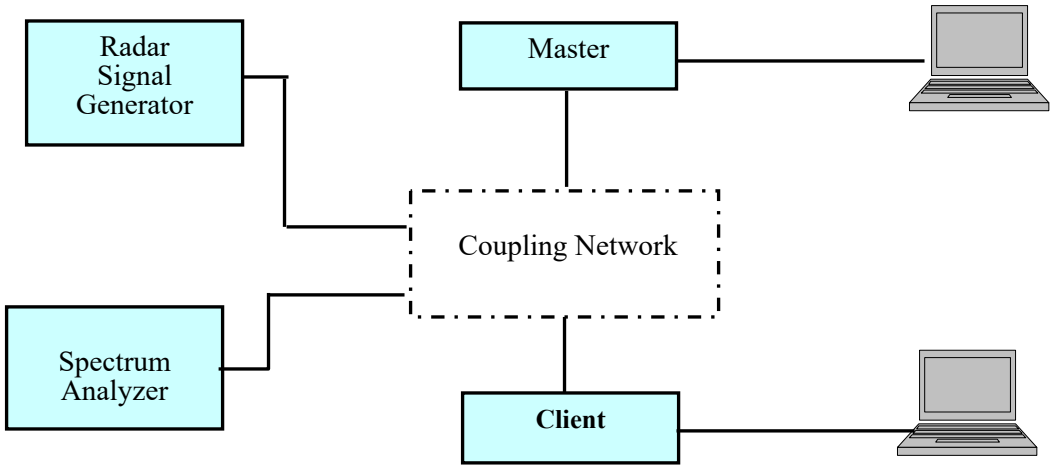
Table 7: Frequency Hopping Radar Test Signal

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

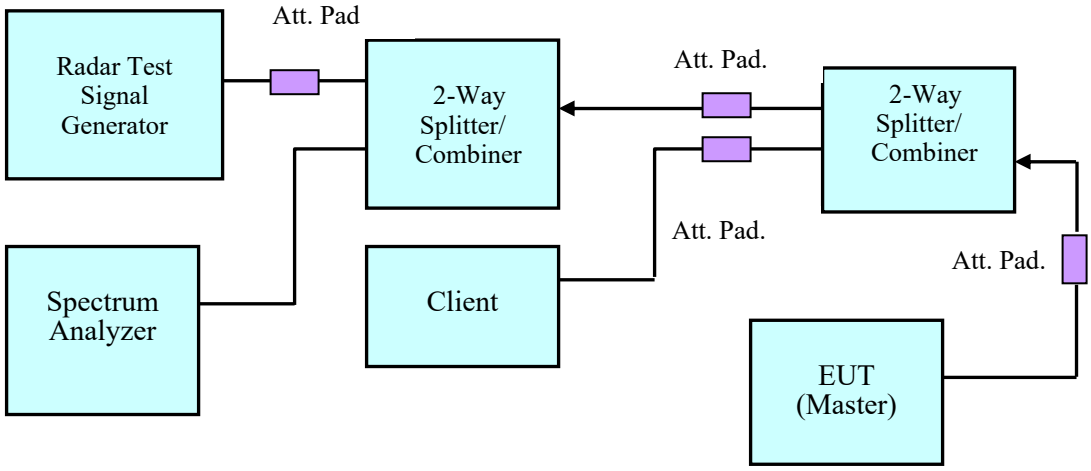
4.2 DFS Measurement System

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

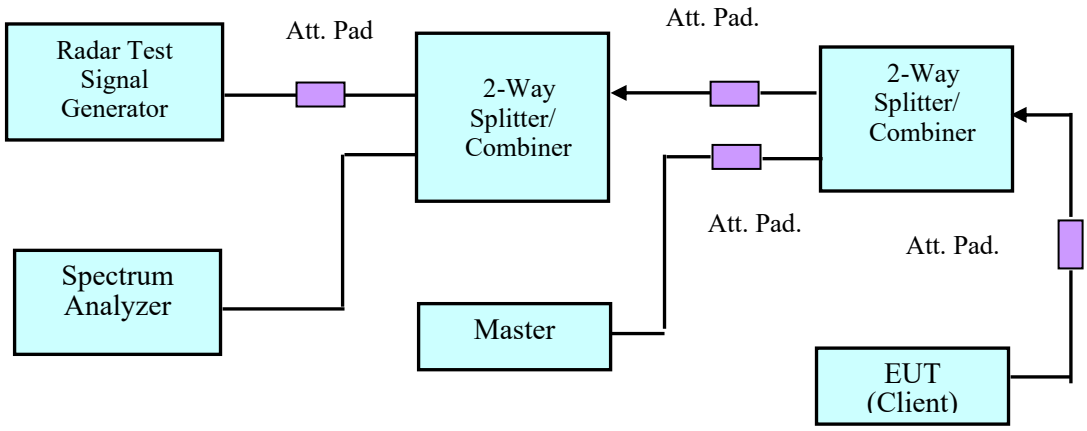
4.3 System Block Diagram



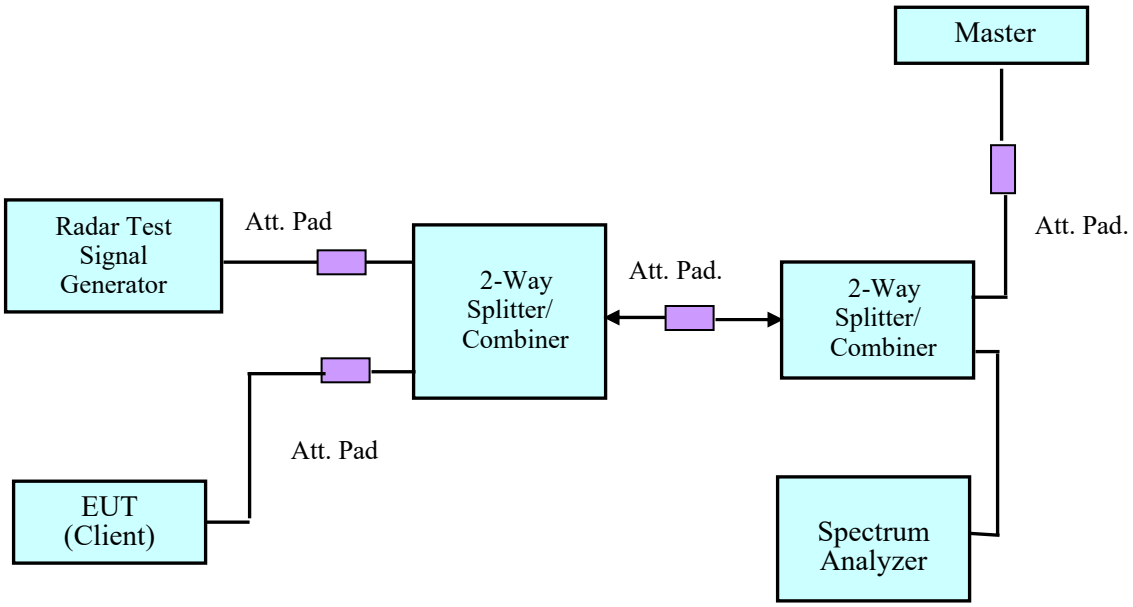
4.4 Conducted Method



Setup for Conducted Method for Master Mode (P2P and P2MP)



Setup for Conducted Method for Client Mode (P2MP), client device is the RDD



Setup for Conducted Method for Client Mode (P2MP), master device is the RDD

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 (P2P, P2MP, and Client w/ radar detection) for both radios (Cobalt and Pine).

The EUT was 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.

Please refer to the following table for Detection Threshold.

Radio Type	Operation Mode	Lowest Antenna Gain (dBi)	EIRP (dBm)	Detection Threshold Assuming 0 dBi Antenna Gain (dBm)	Detection Threshold at the Antenna Port (dBm)
Cobalt	P2P	15	>23	-64	-49
	P2MP & Client	15	>23	-64	-49
Pine	P2P	9.03	>23	-64	-54.97
	P2MP & Client	7	>23	-64	-57

Note: each operational mode will not operate with lower antenna gains than what is listed beside them. For example, P2P will not use lower gain than 15dBi for Cobalt and 9.03dBi for Pine. Additionally, P2MP & Client will not use lower gain than 15dBi for Cobalt and 7dBi for Pine.

Please refer to the detailed antenna information in the next section.

WLAN traffic is generated by running iperf3.

5.2 Antenna Description

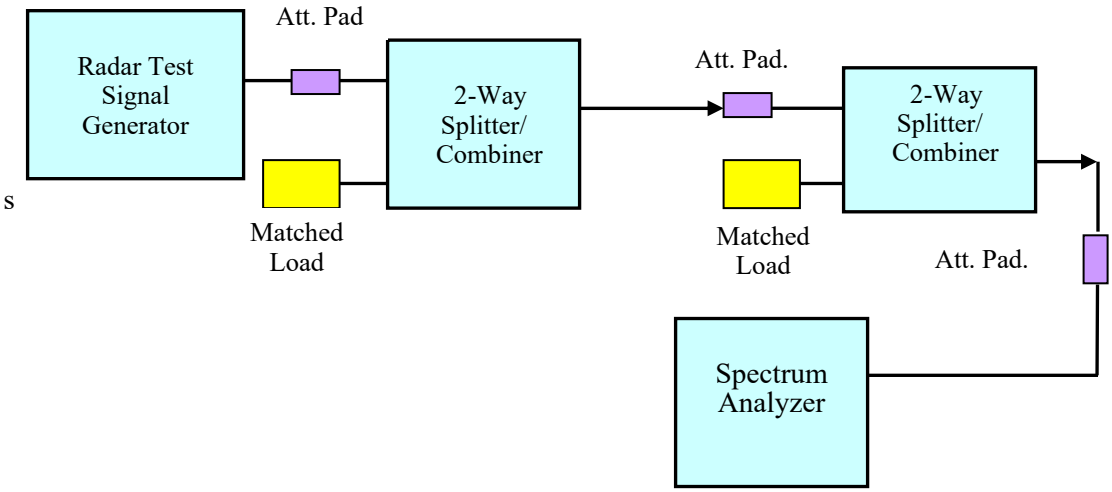
Antenna Type	Supplier	Antenna Part No.	Frequency (MHz)	Peak Antenna Gain (dBi)
Patch	Cisco	IW-ANT-PNL-59-N=	5.1GHz to 5.8GHz	9.03
Omnidirectional	Cisco	AIR-ANT2547V-N=	5.1GHz to 5.8GHz	7
Integral	Cisco	N/A	5.1GHz to 5.8GHz	15

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
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

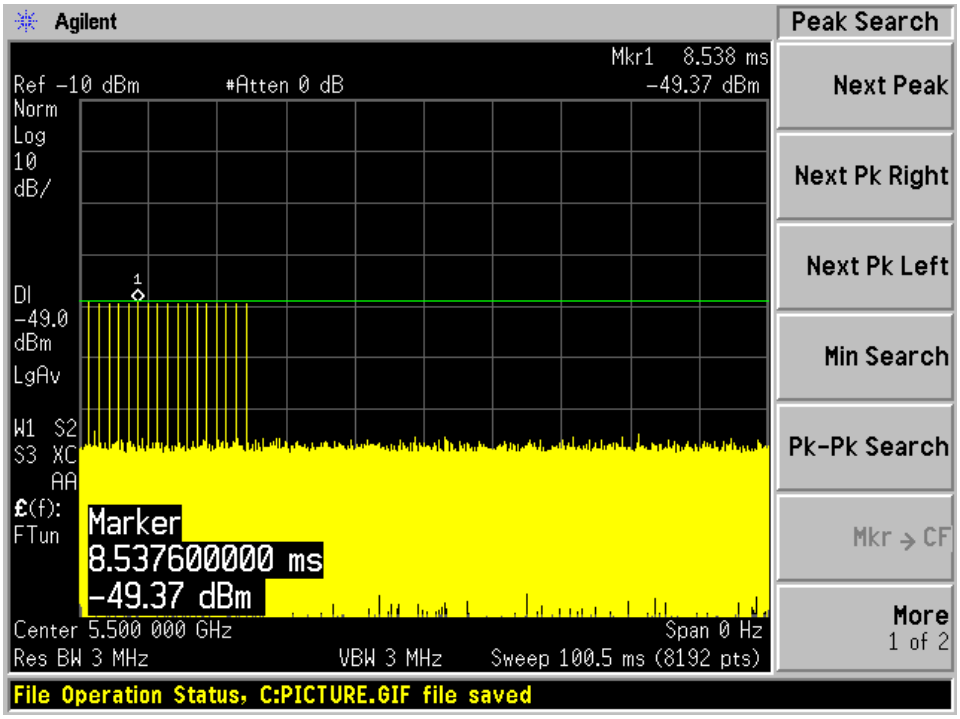
Testing was performed by Tao Jin from 2023-03-01 to 2023-03-10 at the DFS testing site.

Plots of Radar Waveform

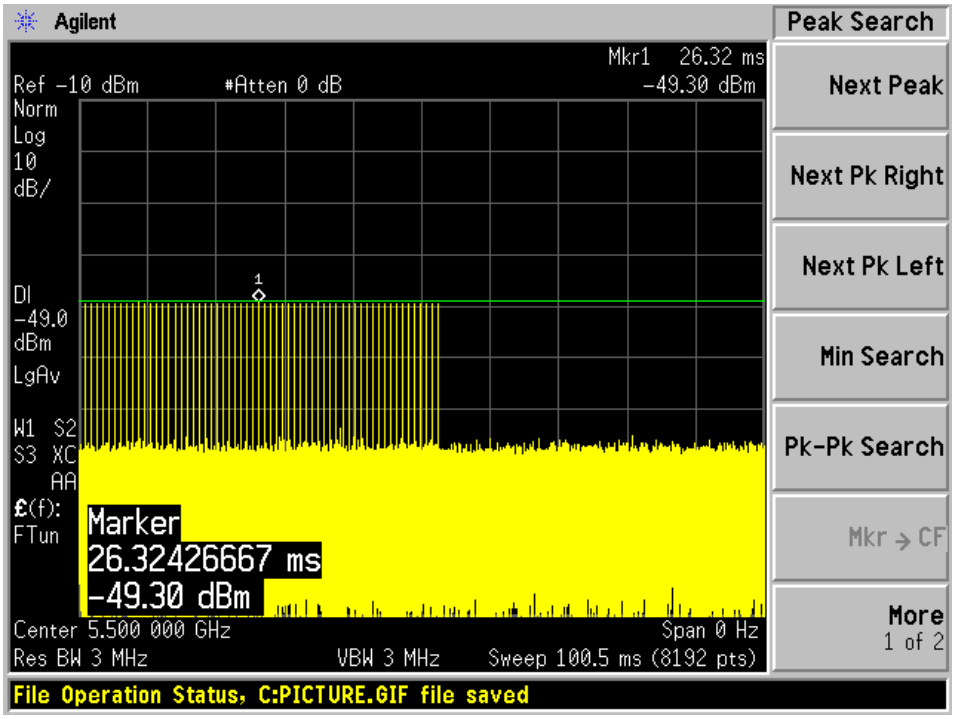
P2P, P2MP, and Client modes for Cobalt

5500 MHz, 20 MHz Channel Bandwidth

Radar Type 0



Radar Type 1A



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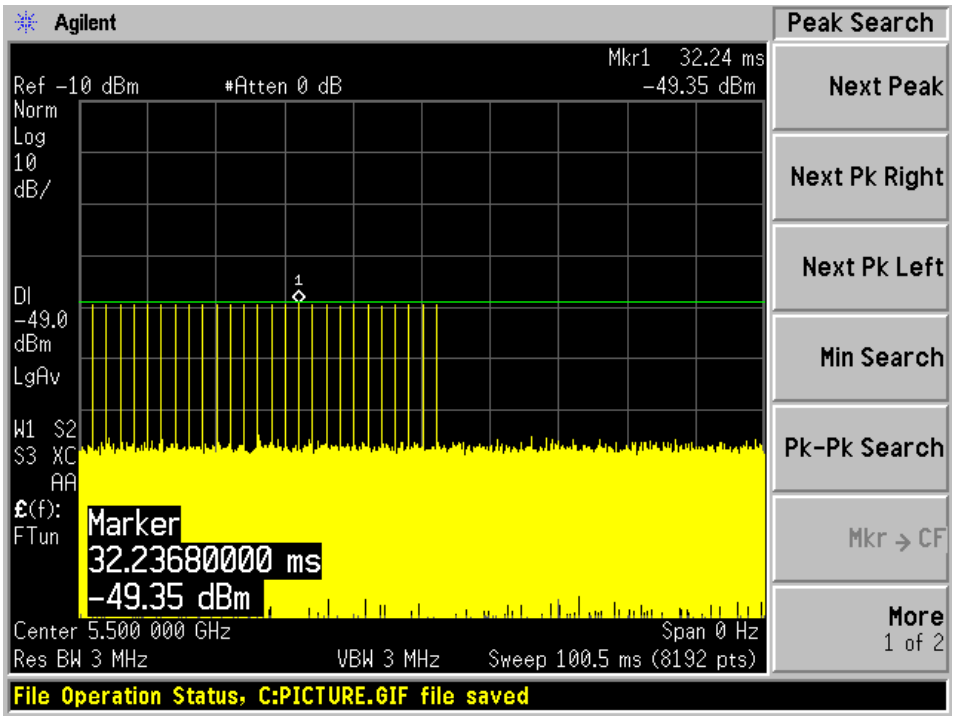
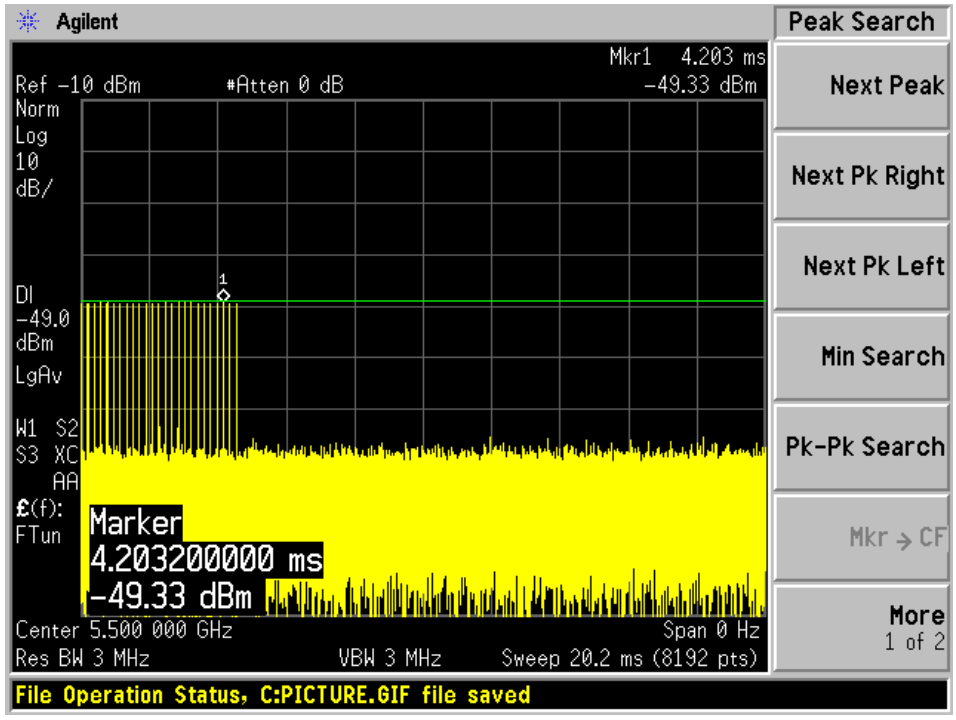


Radar Type 2



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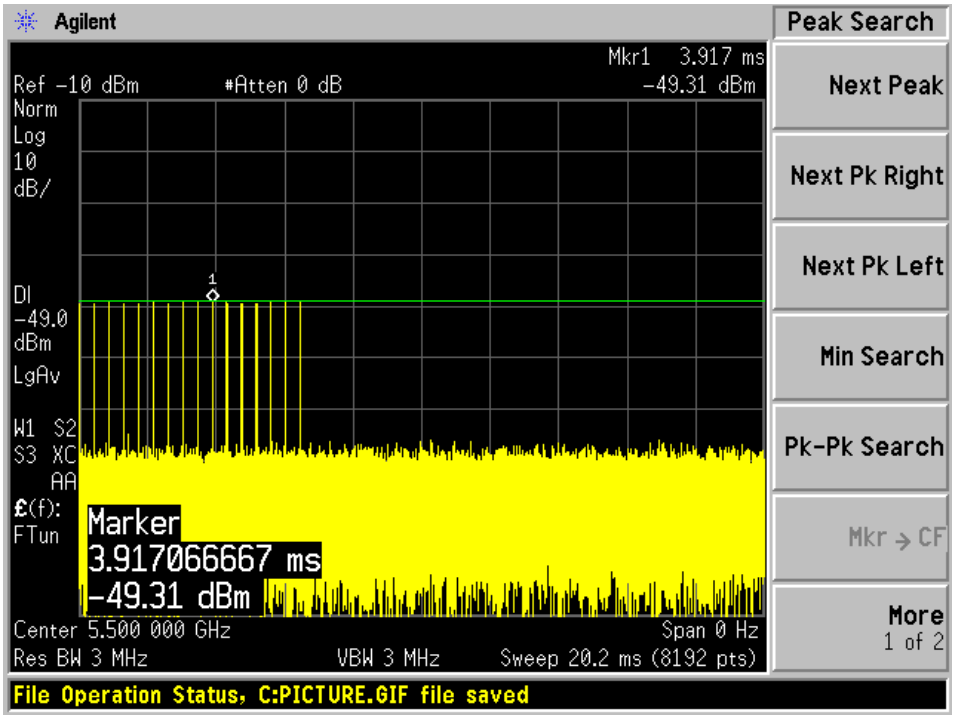

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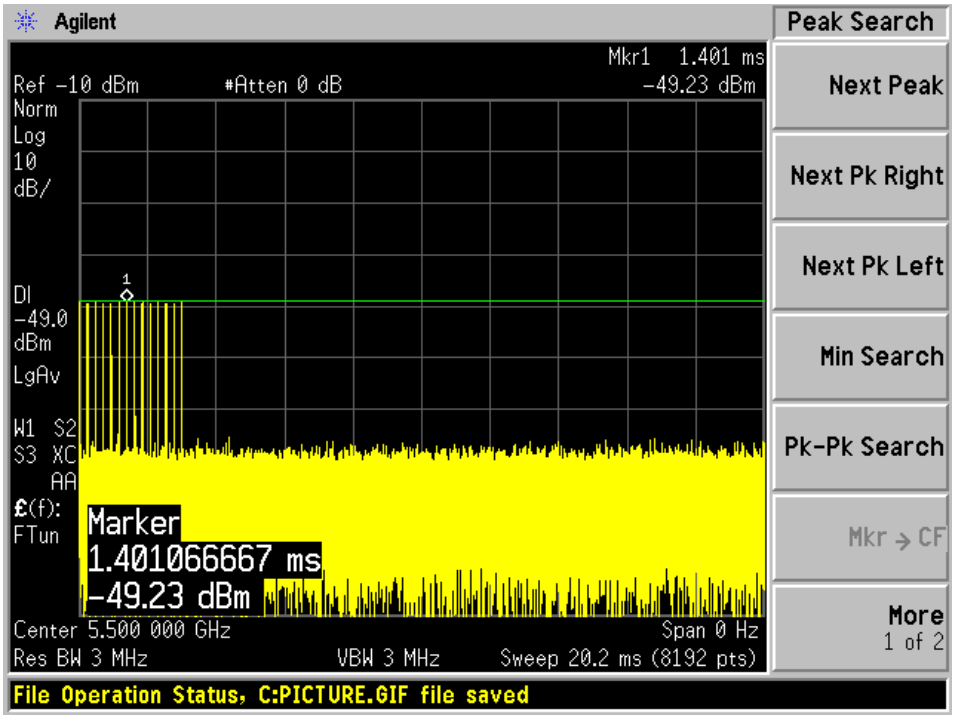
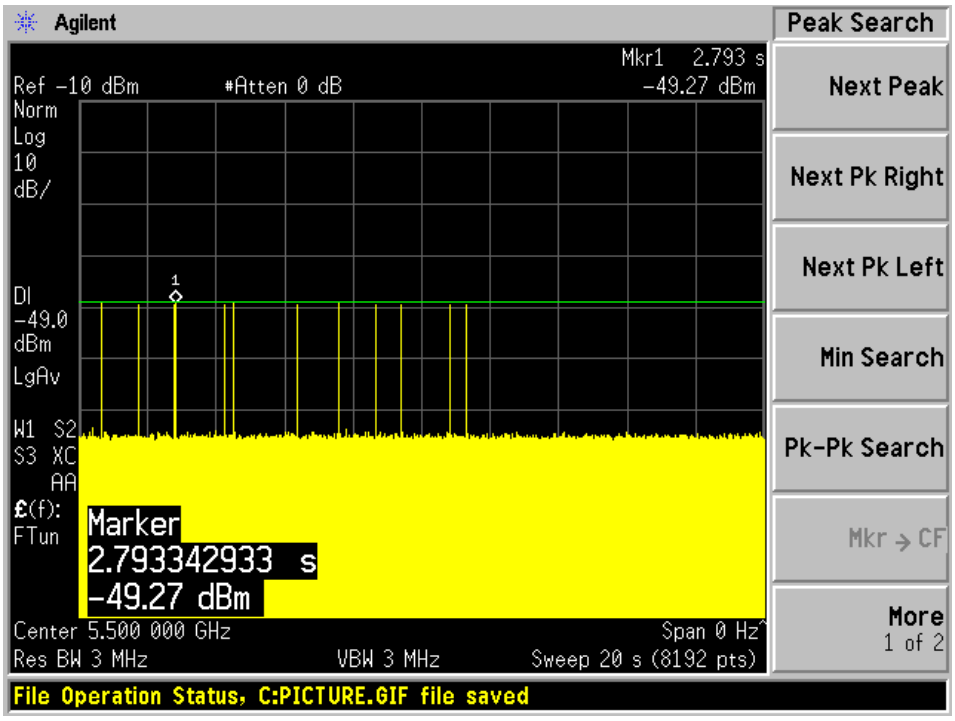
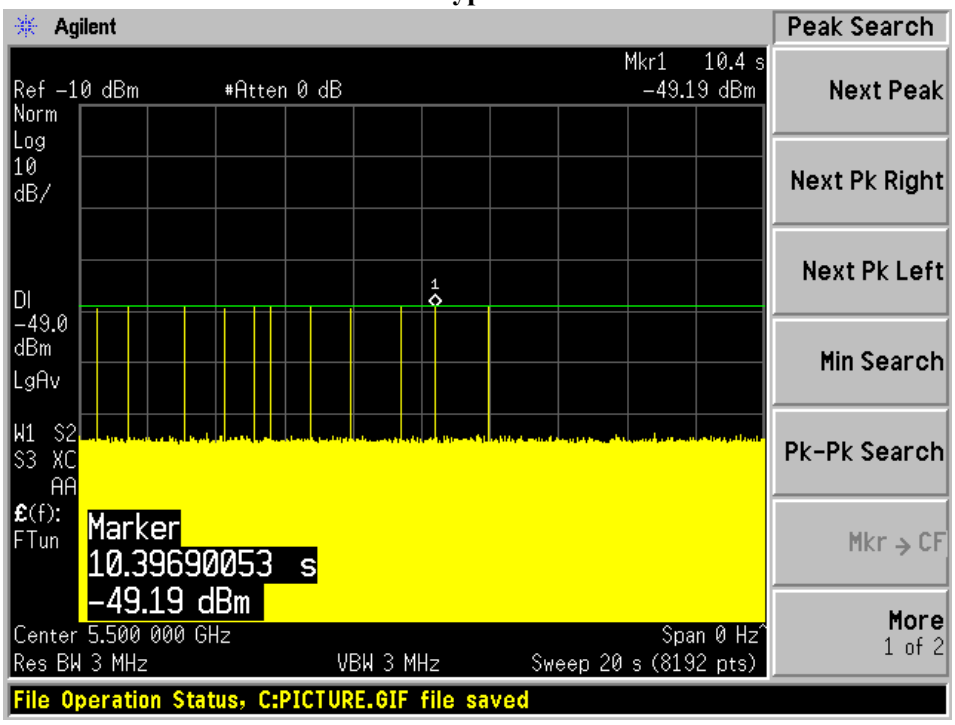


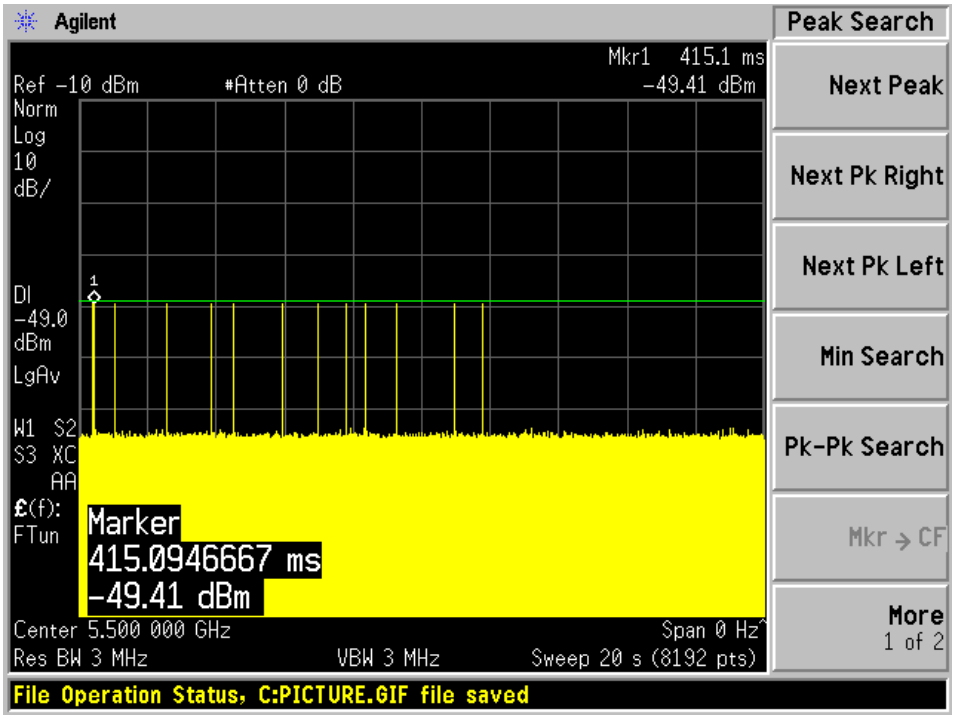
Radar Type 5 Case 1



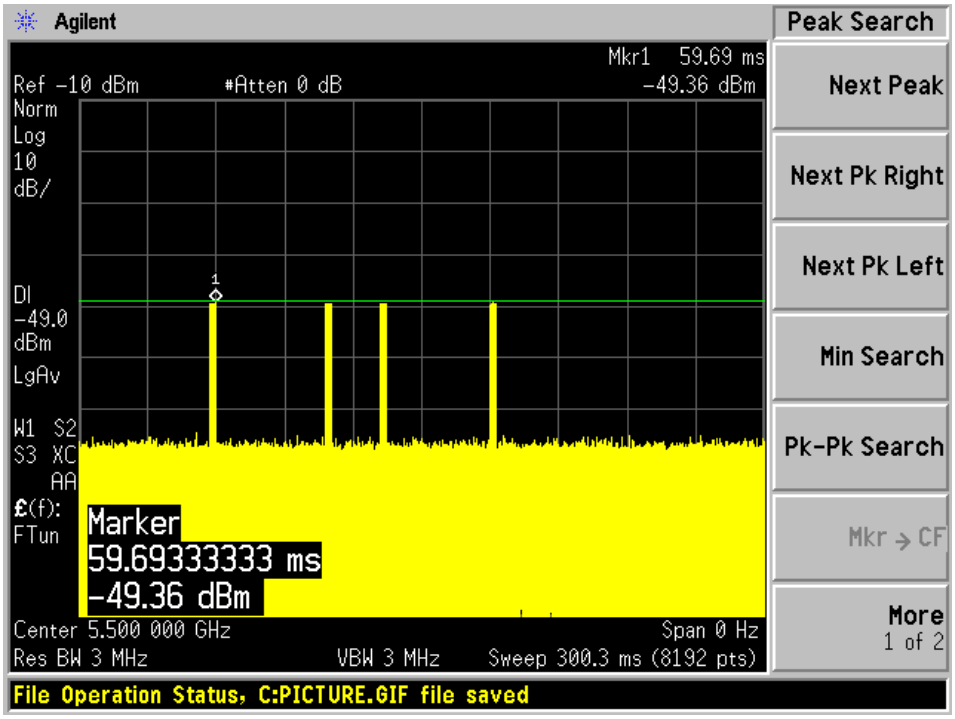
Radar Type 5 Case 2



Radar Type 5 Case 3



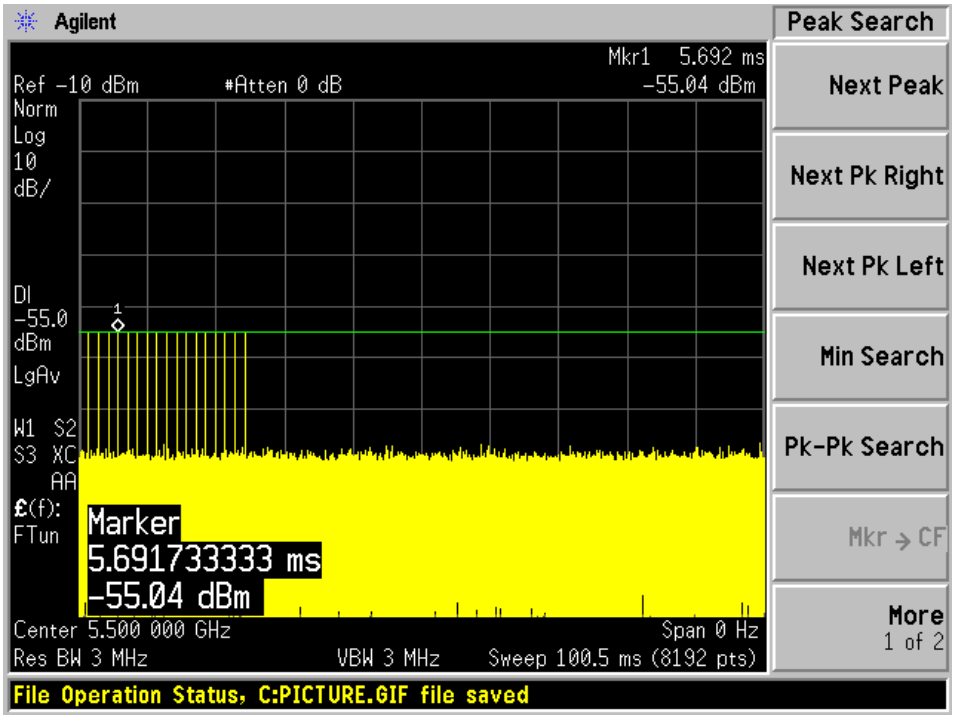
Radar Type 6



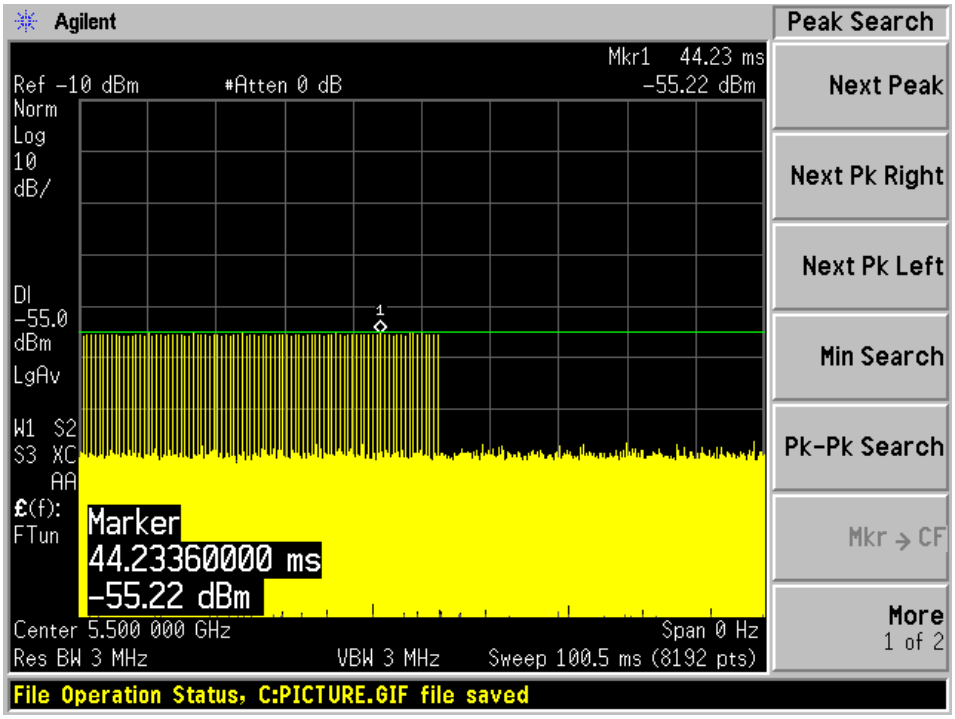
P2P Mode for Pine (Threshold Level: -54.97 dBm)

5500 MHz, 20MHz Channel Bandwidth

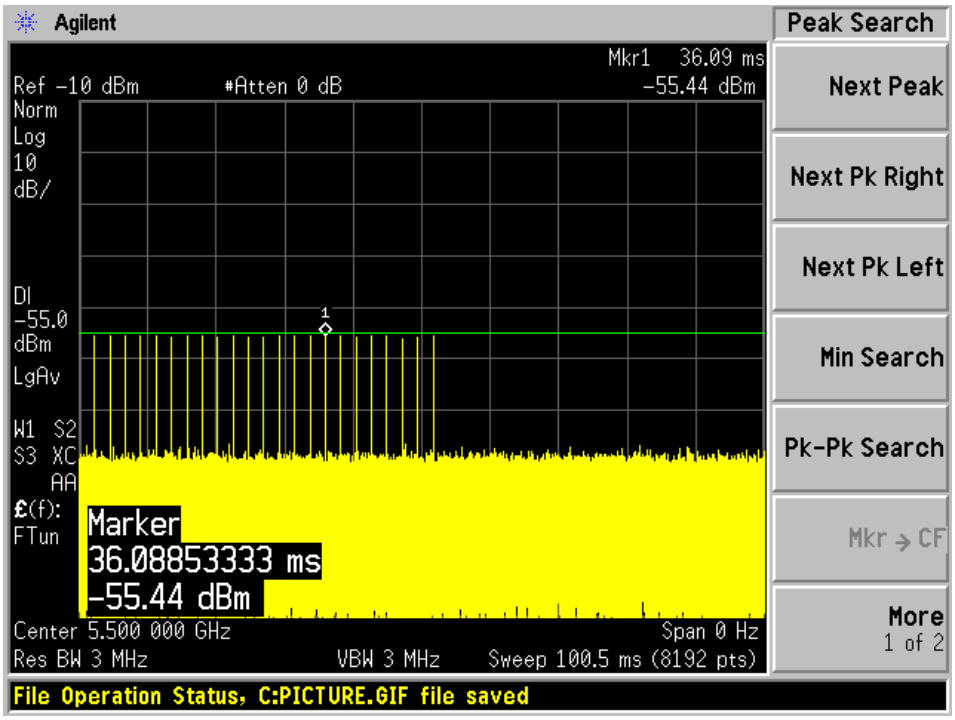
Radar Type 0



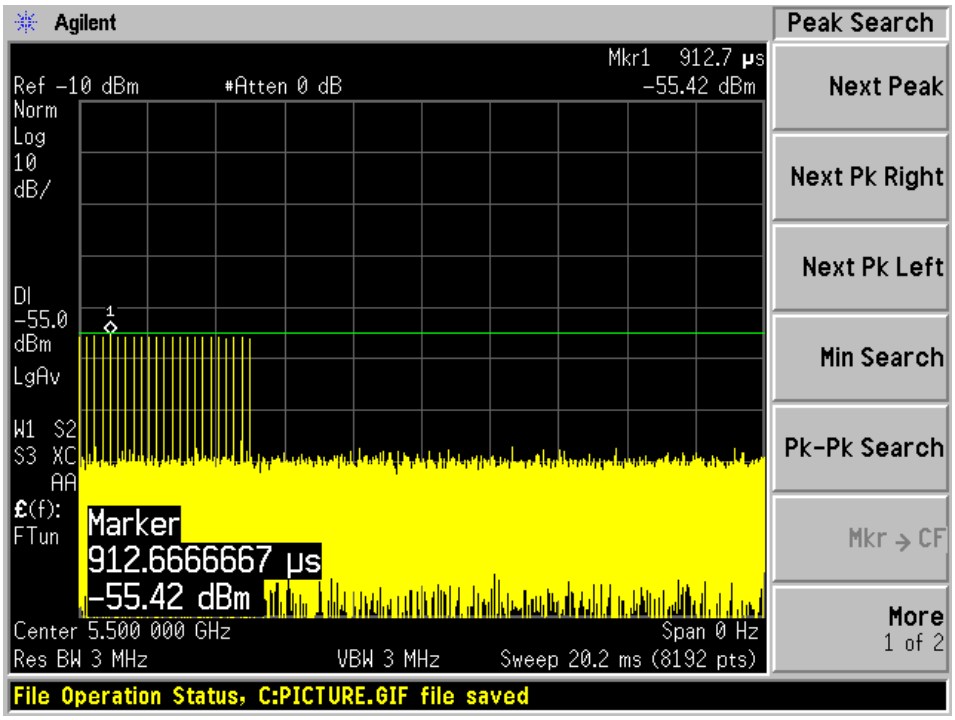
Radar Type 1A



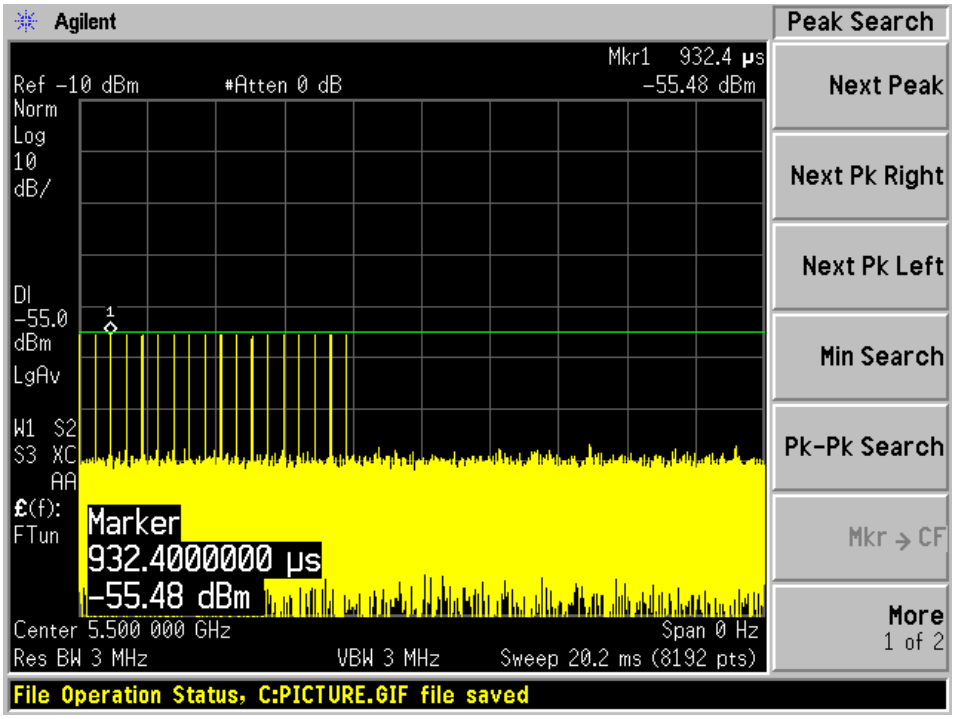
Radar Type 1B



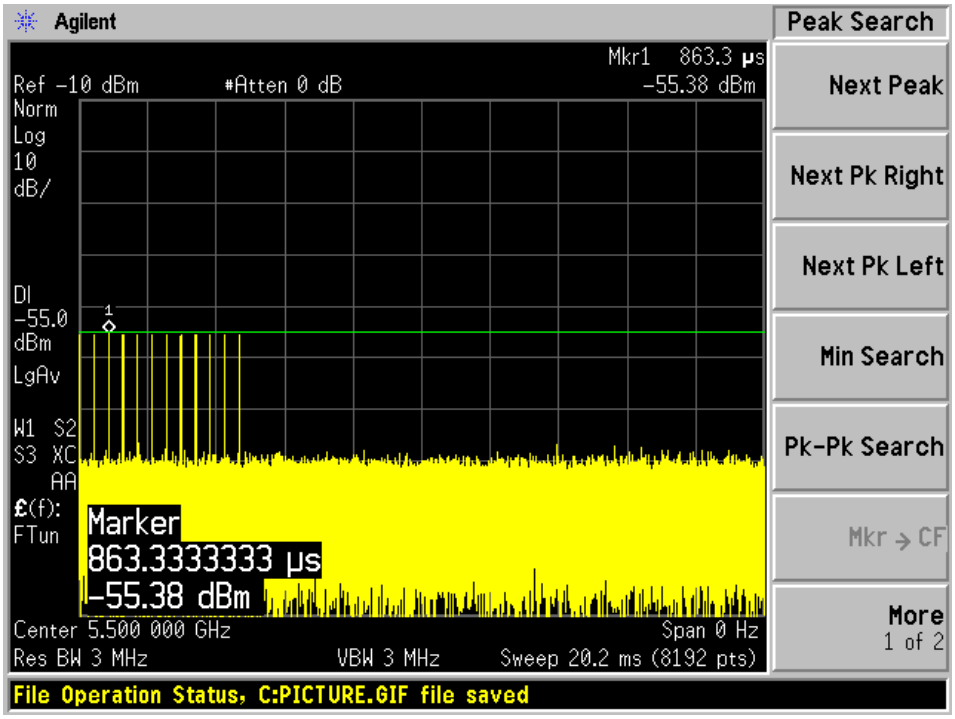
Radar Type 2



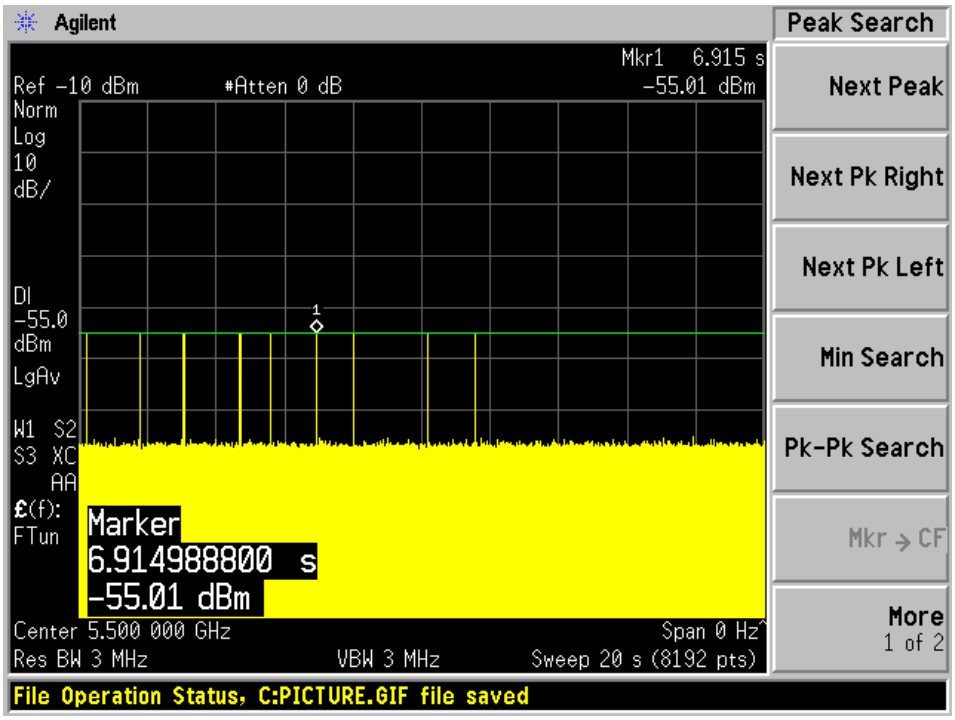
Radar Type 3



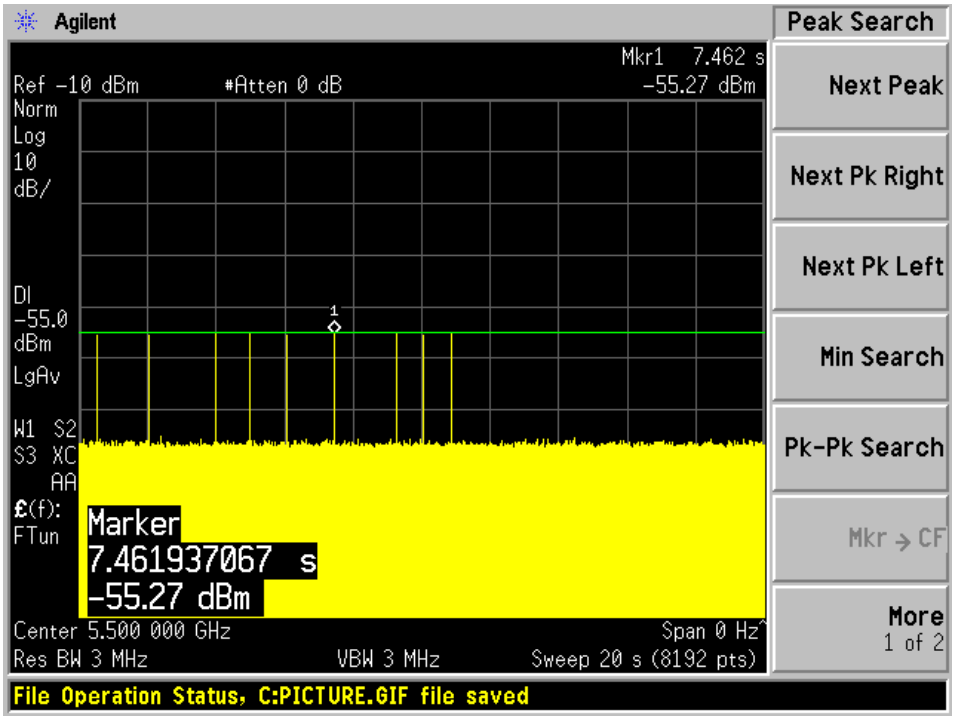
Radar Type 4



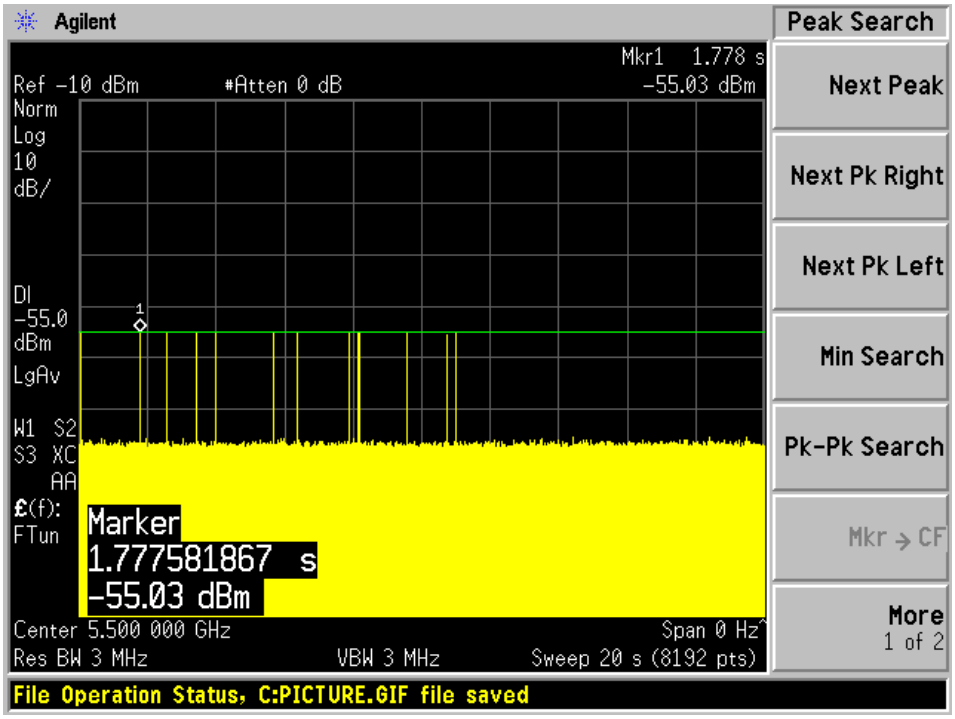
Radar Type 5 Case 1



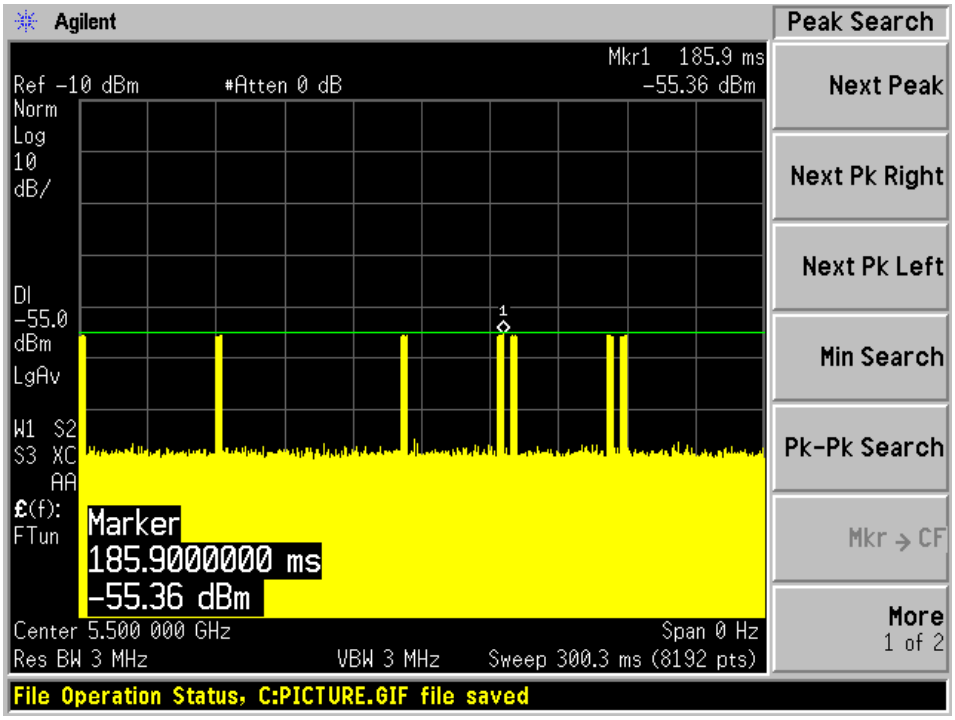
Radar Type 5 Case 2



Radar Type 5 Case 3



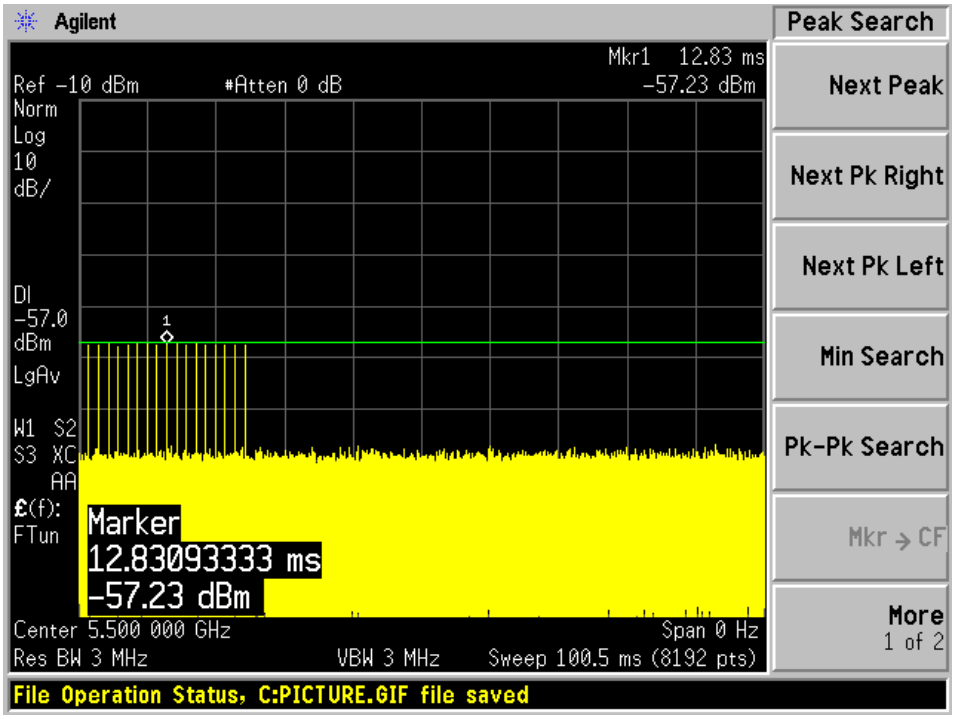
Radar Type 6



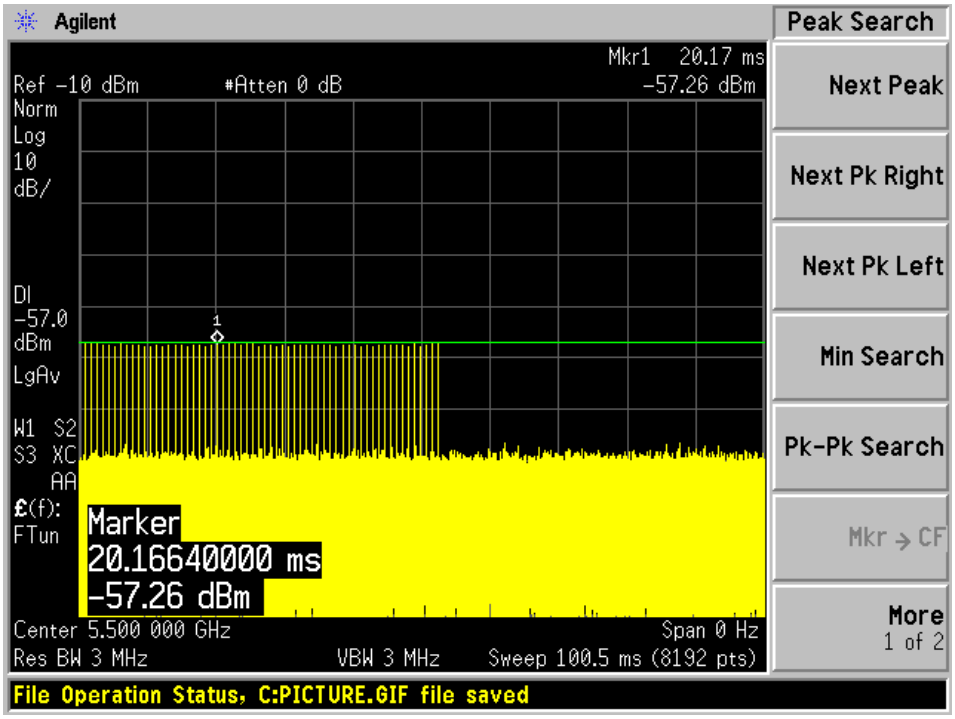
P2MP and Client Mode for Pine (Theshold Level: -57 dBm)

5500 MHz, 20MHz Channel Bandwidth

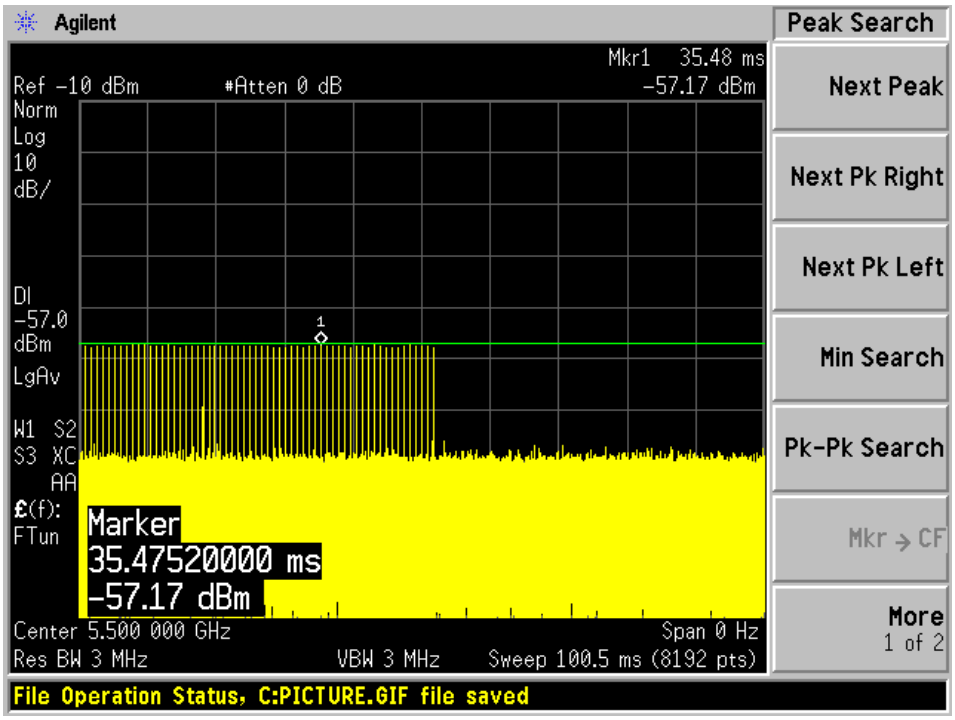
Radar Type 0



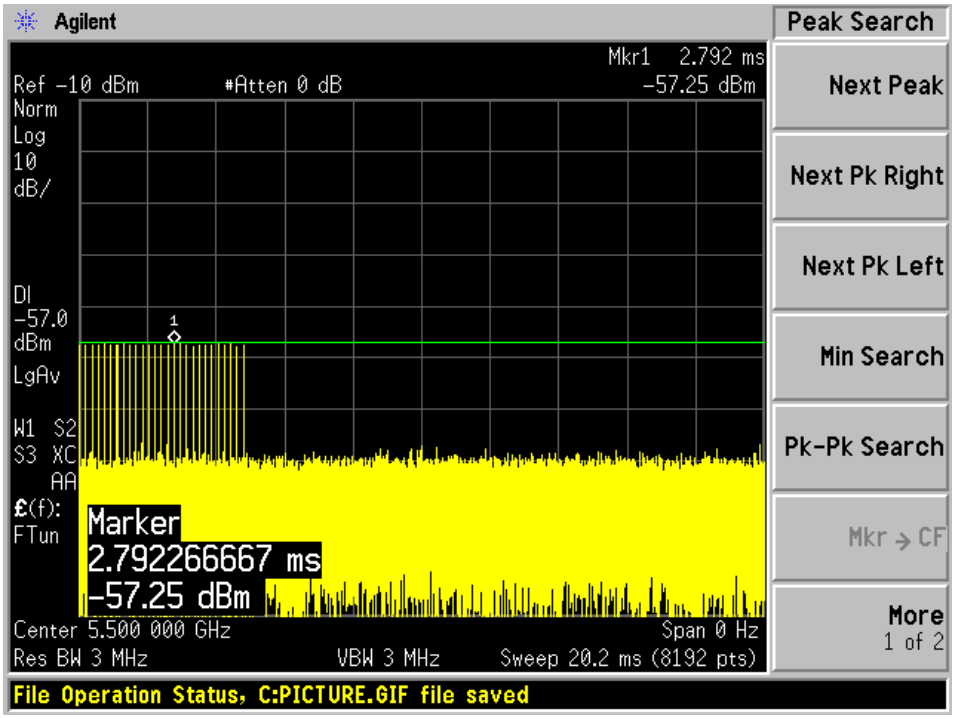
Radar Type 1A



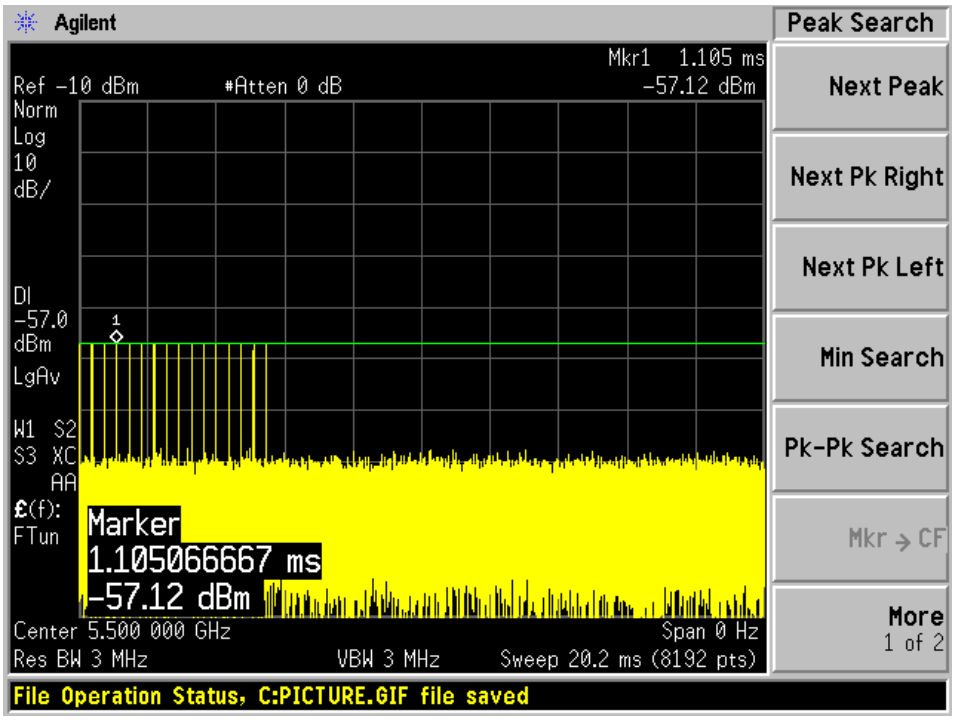
Radar Type 1B



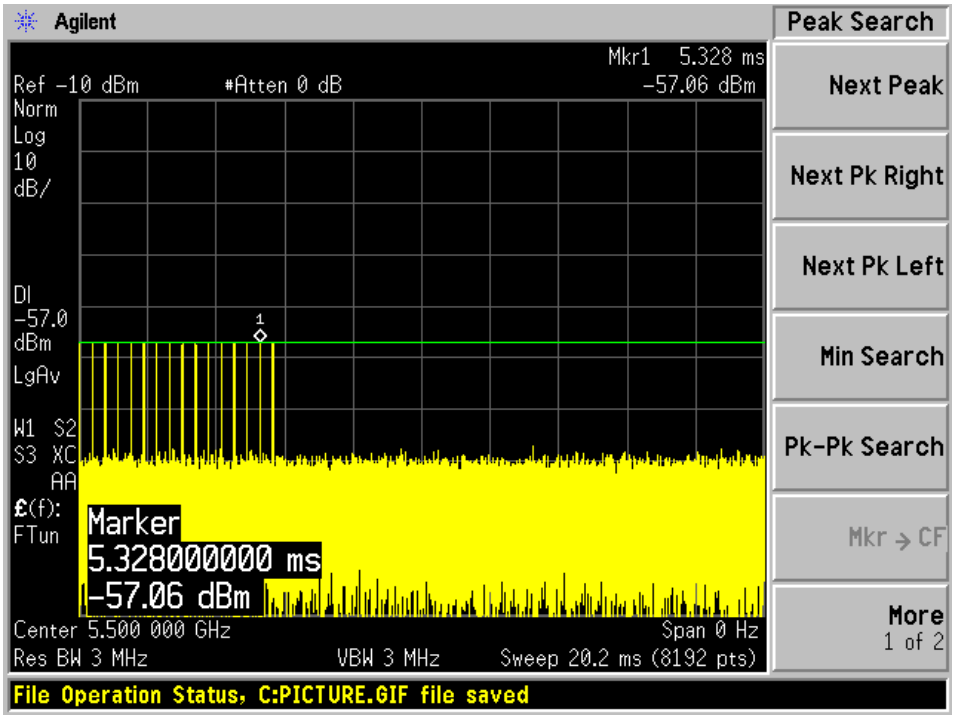
Radar Type 2



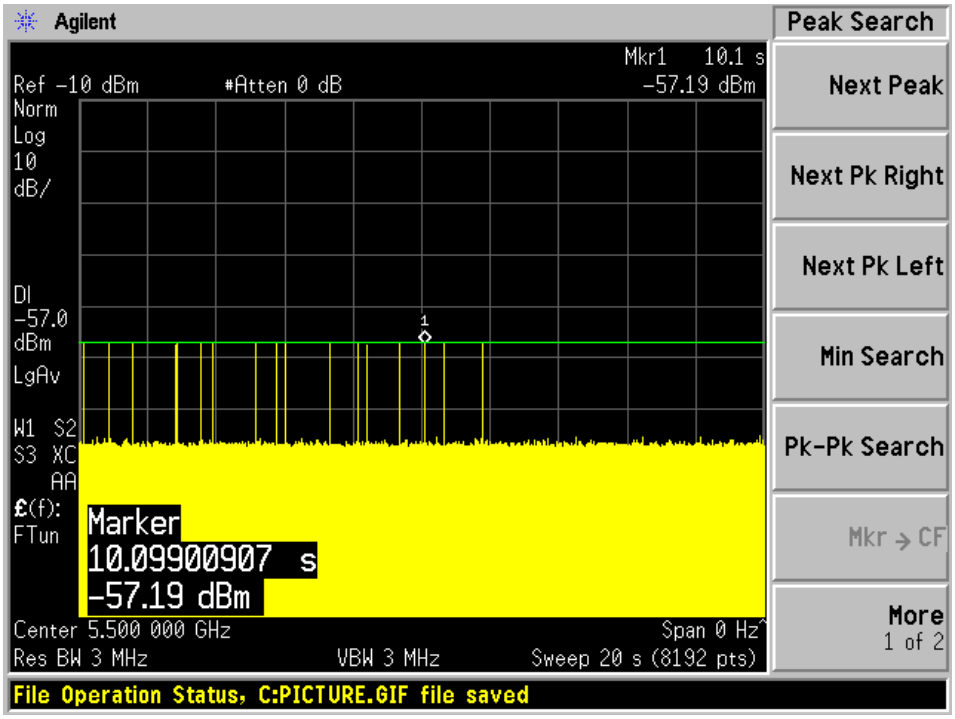
Radar Type 3



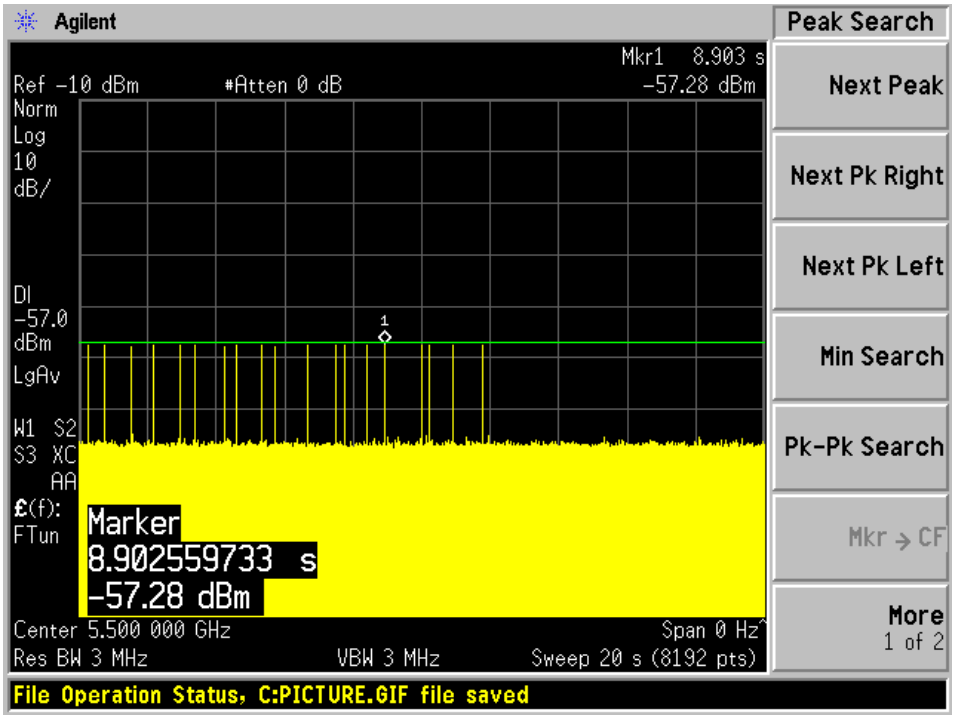
Radar Type 4



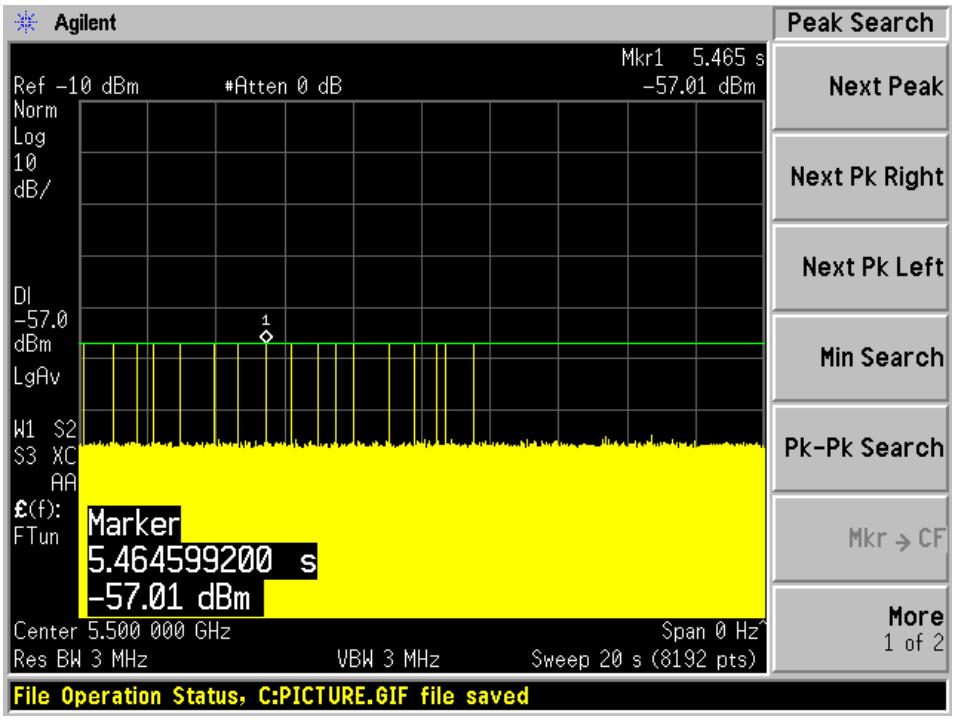
Radar Type 5 Case 1



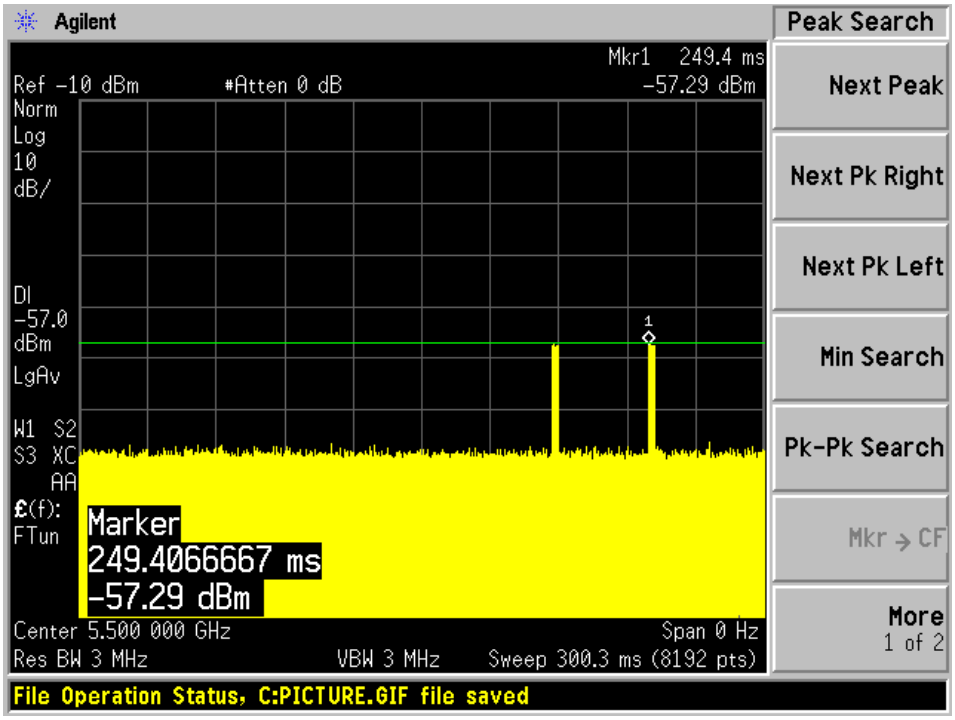
Radar Type 5 Case 2



Radar Type 5 Case 3



Radar Type 6

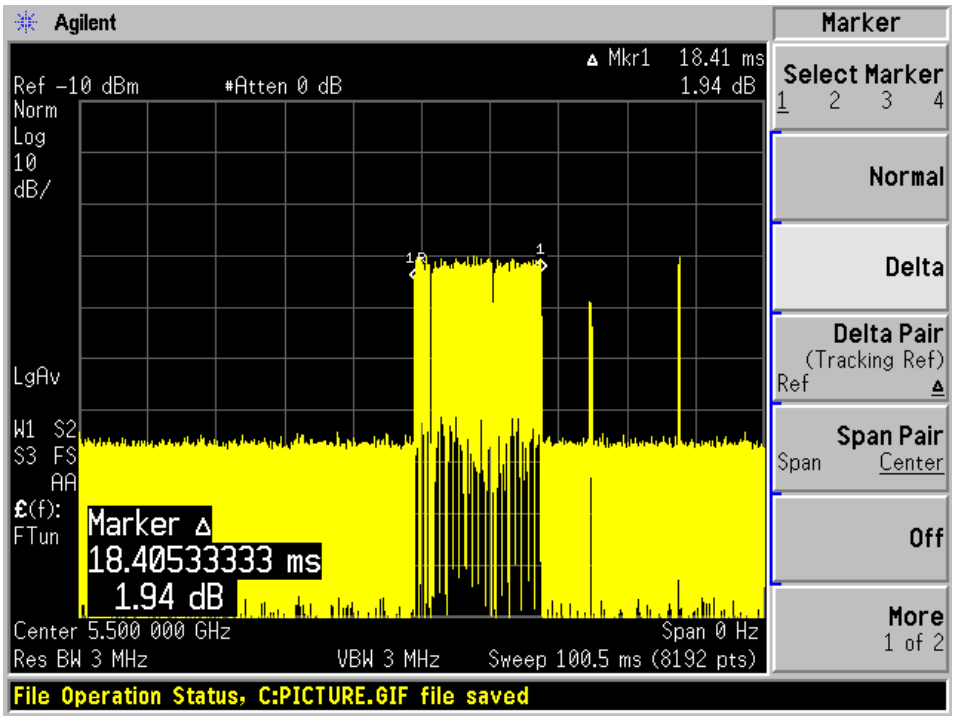


5.6 Radar Traffic Duty Cycle Example

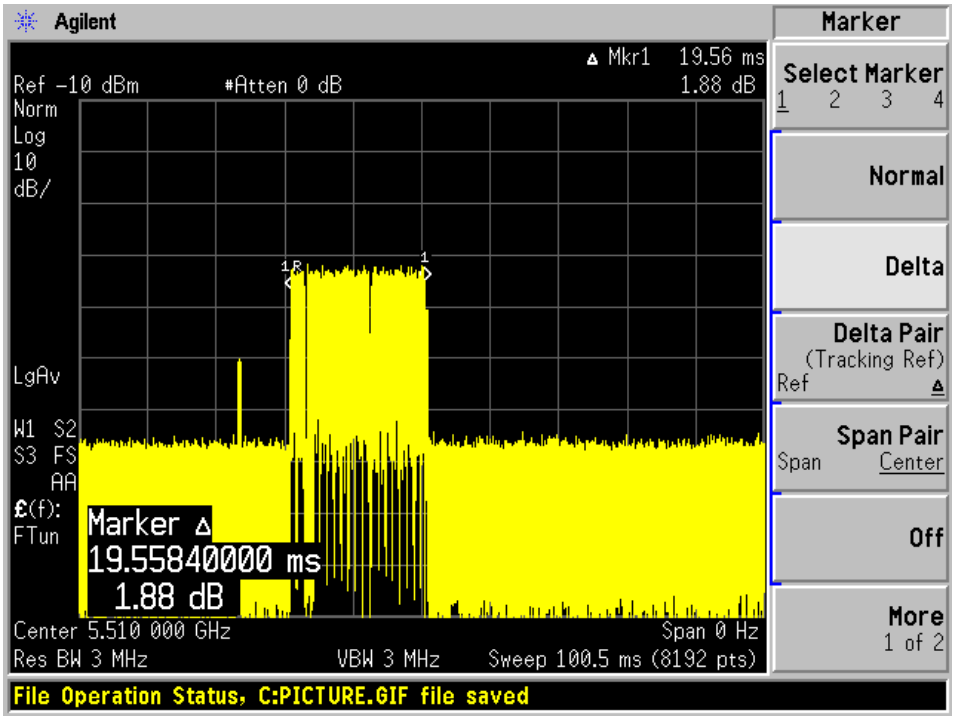
P2P Mode

Cobalt Radio

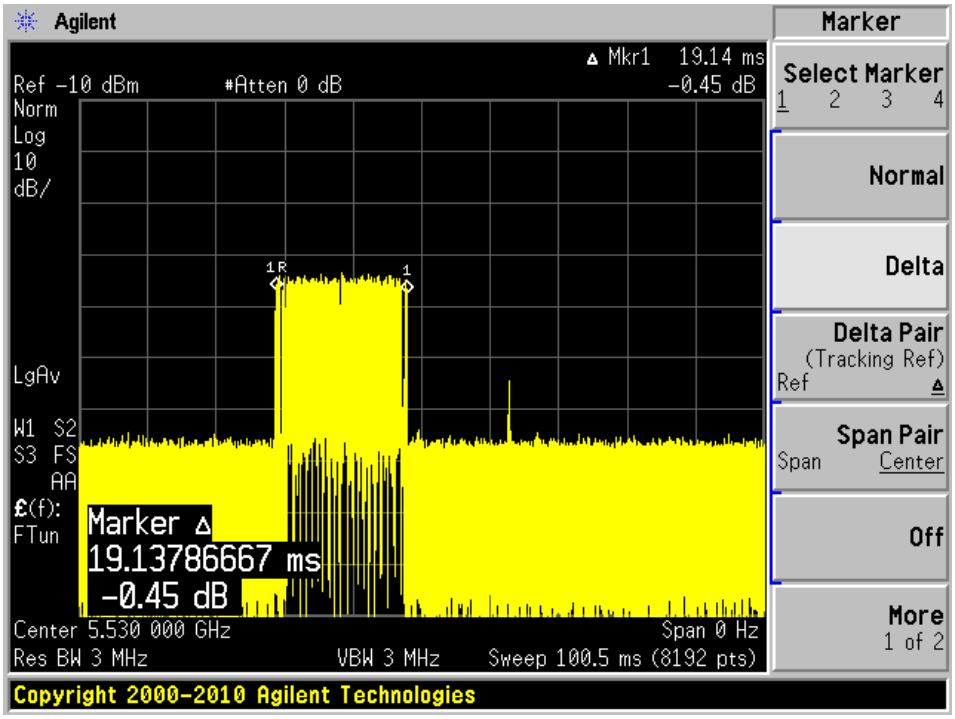
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



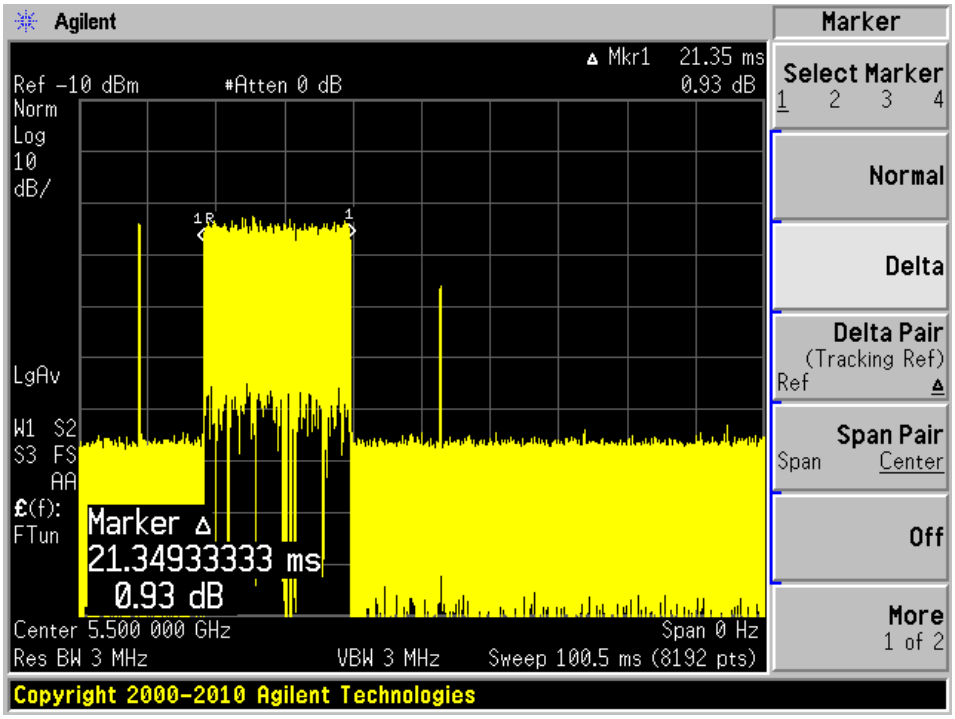
5530 MHz, 80MHz Bandwidth



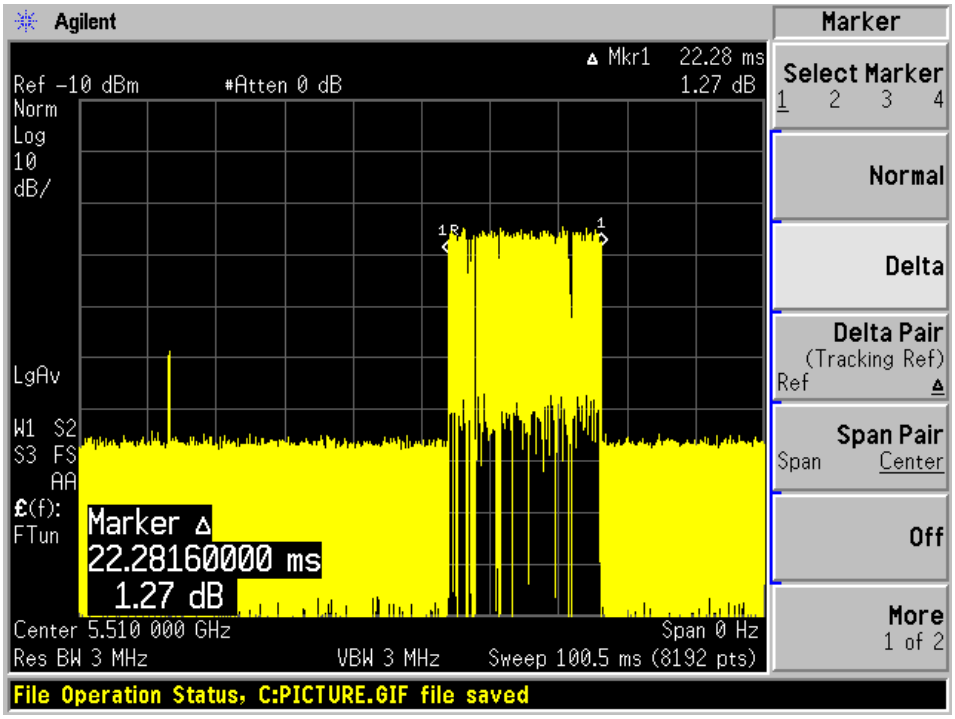
The Duty Cycle of the traffic is greater than 17%

Pine Radio

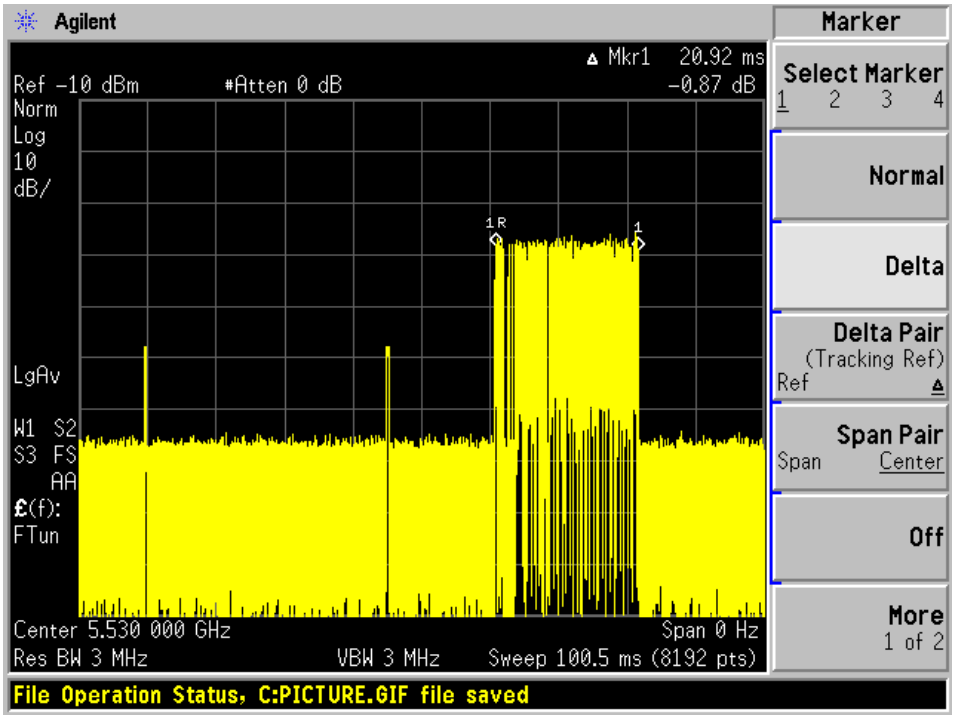
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth

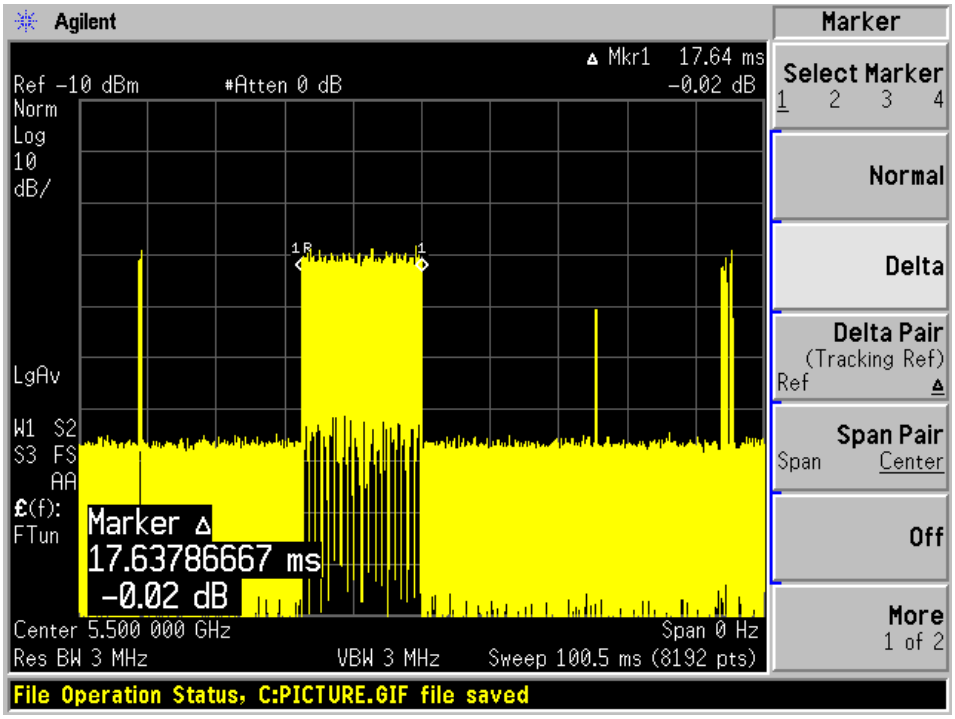


The Duty Cycle of the traffic is greater than 17%

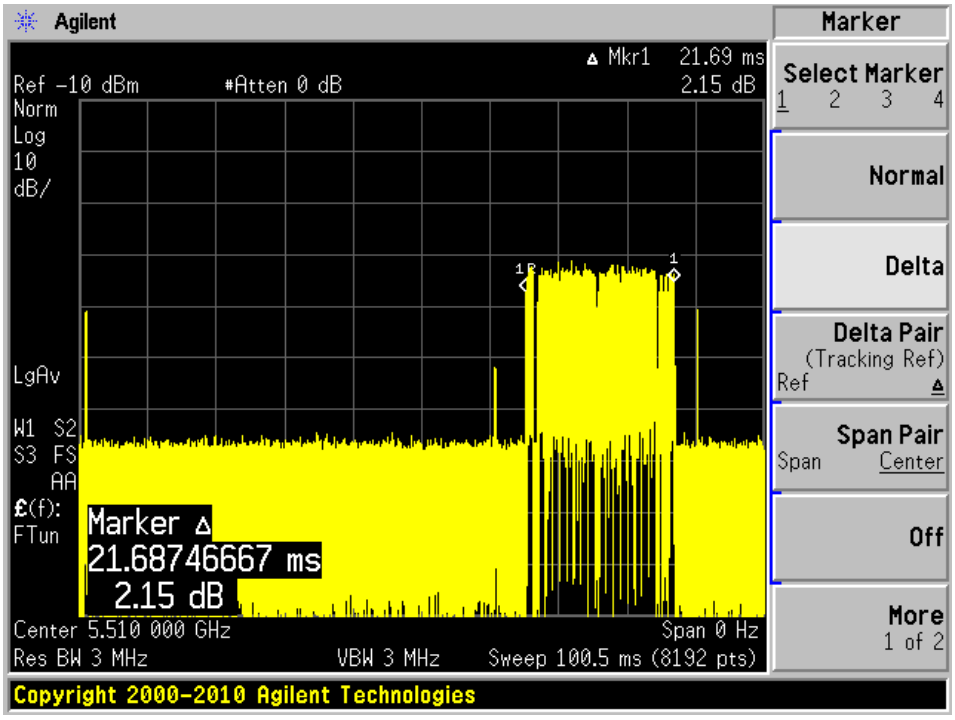
P2MP Mode

Cobalt Radio

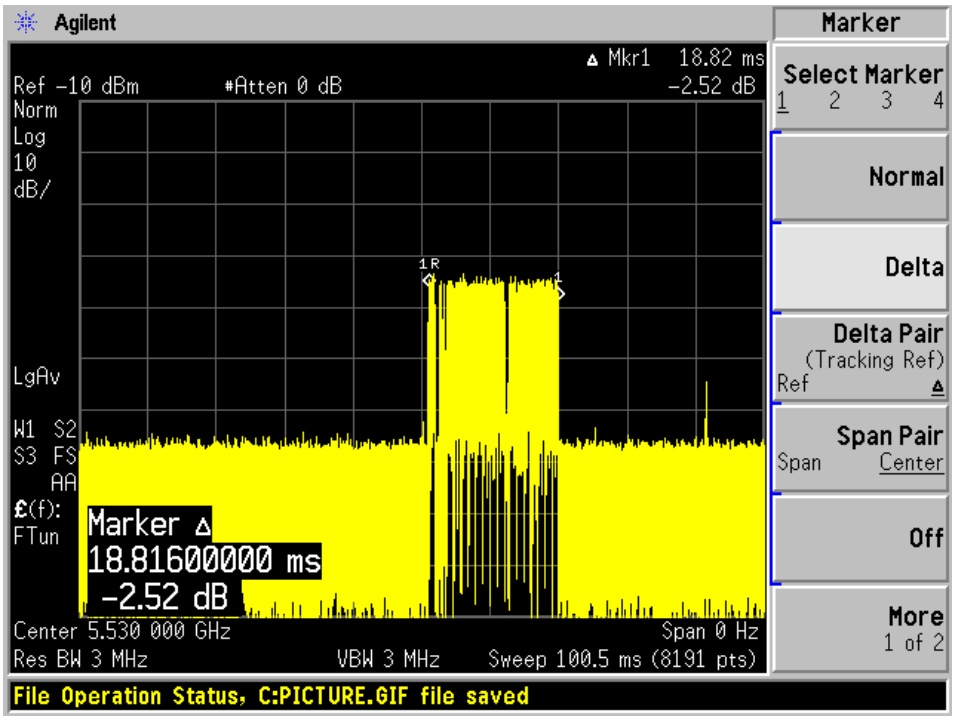
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



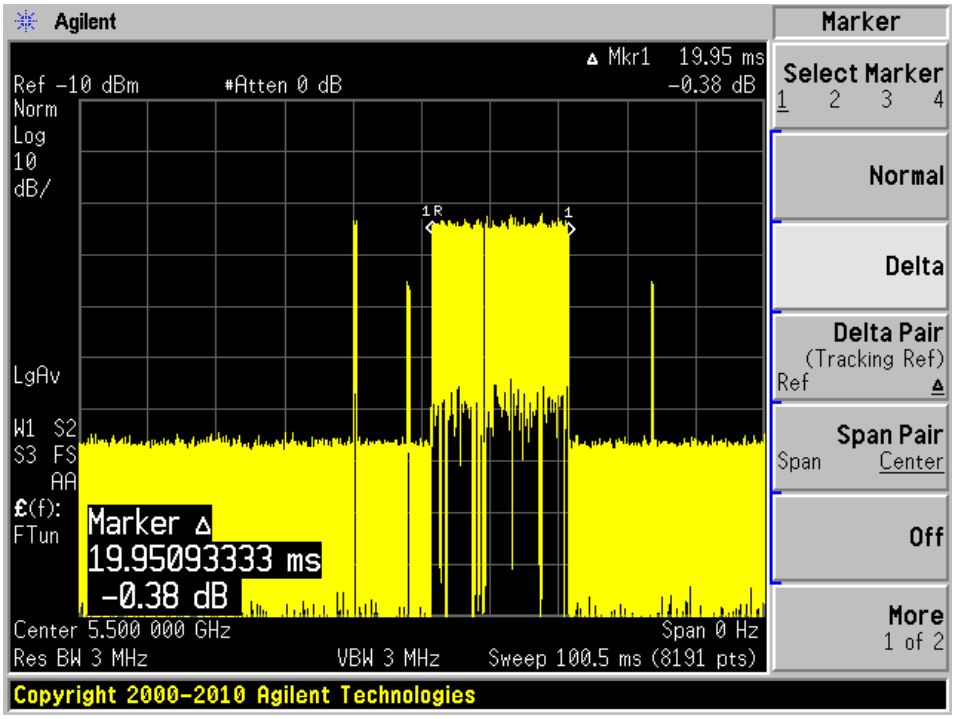
5530 MHz, 80MHz Bandwidth



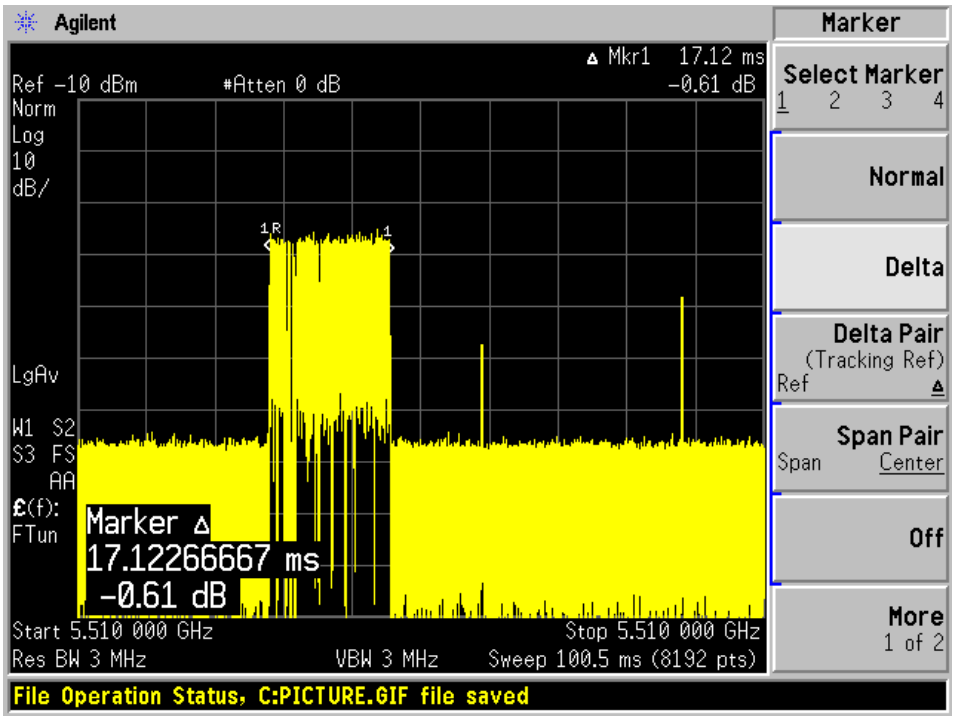
The Duty Cycle of the traffic is greater than 17%

Pine Radio

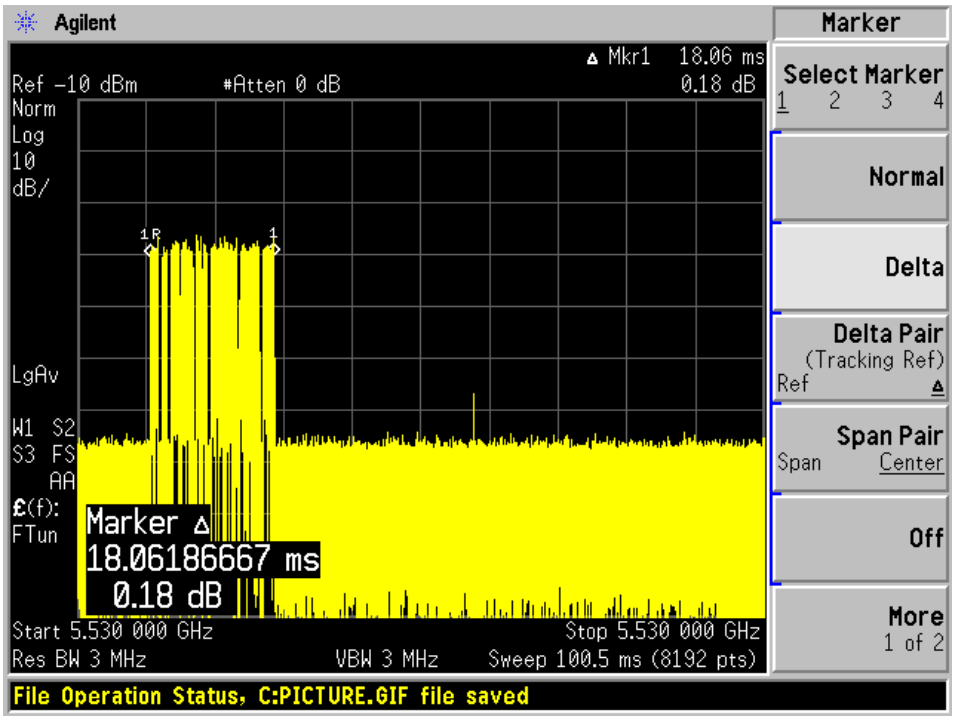
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth

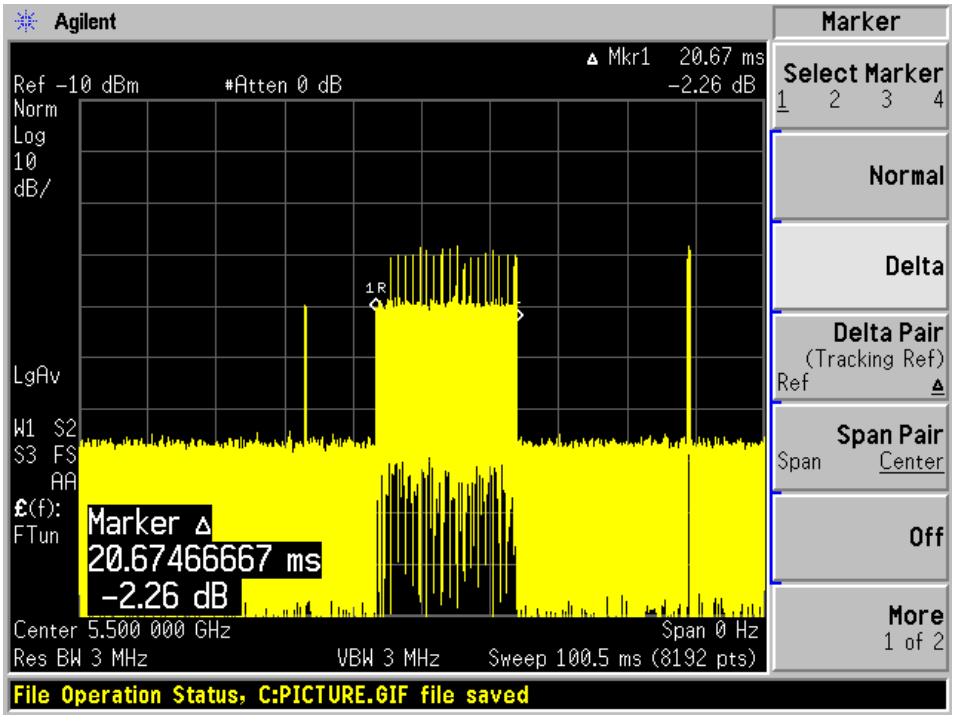


The Duty Cycle of the traffic is greater than 17%

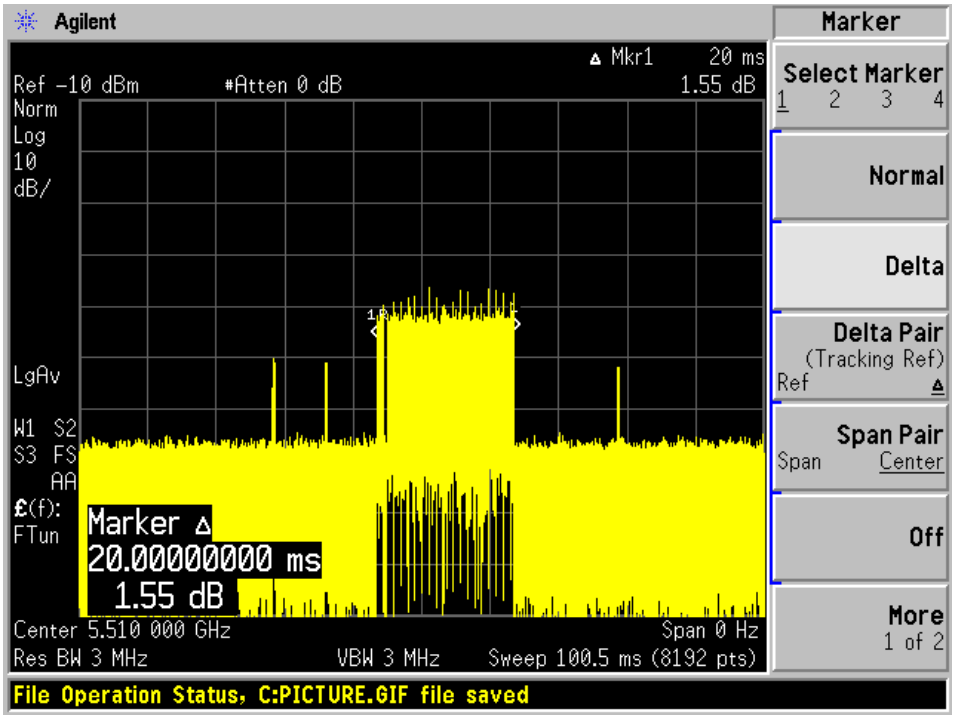
Client Mode

Cobalt Radio

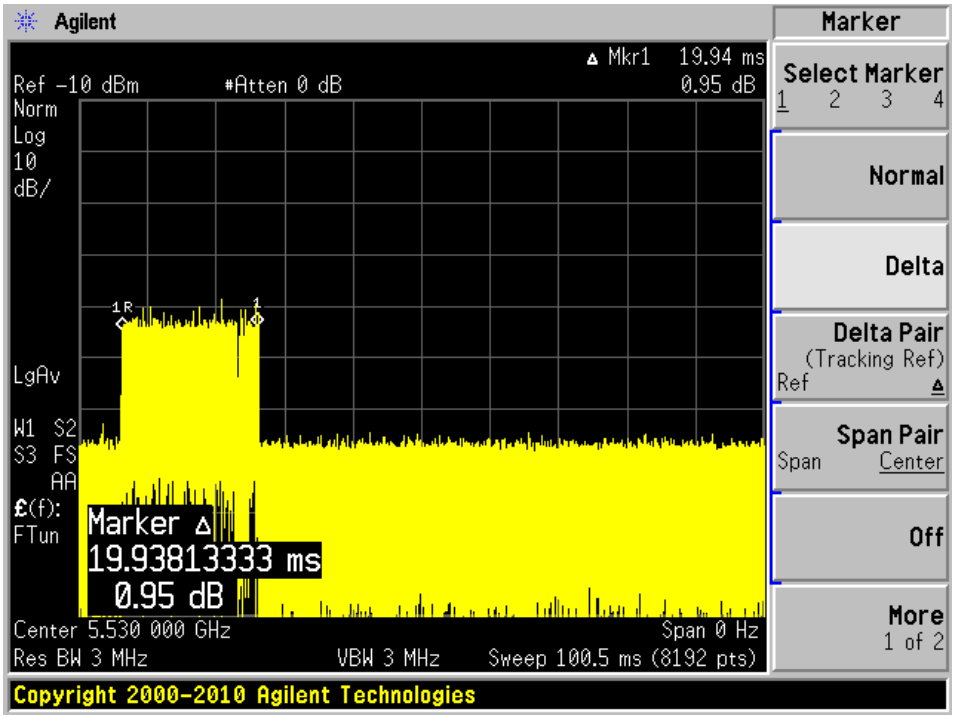
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



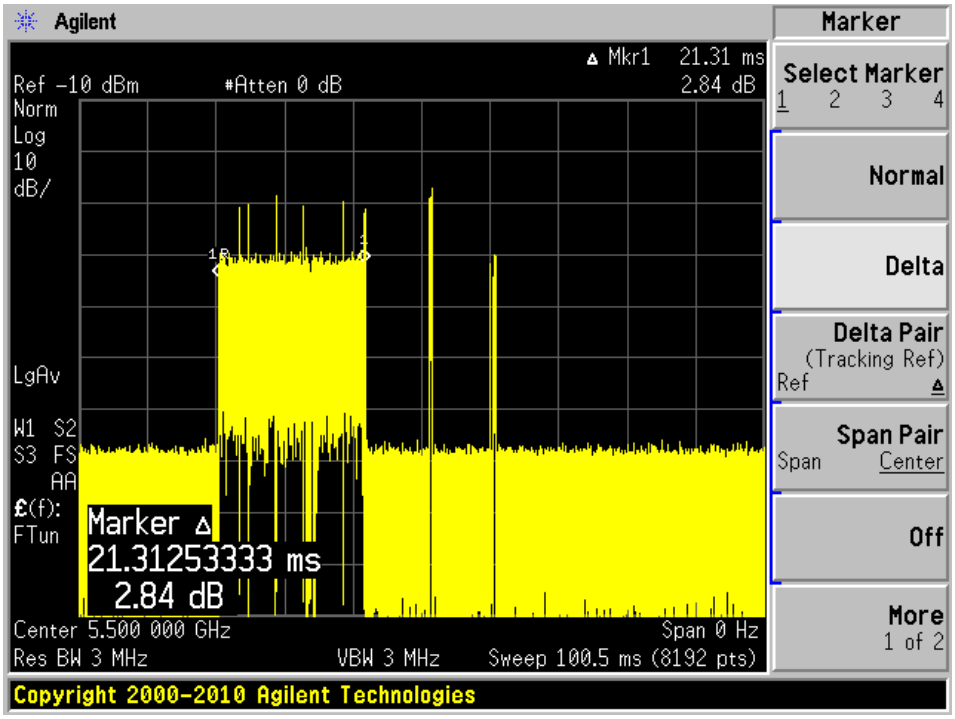
5530 MHz, 80MHz Bandwidth



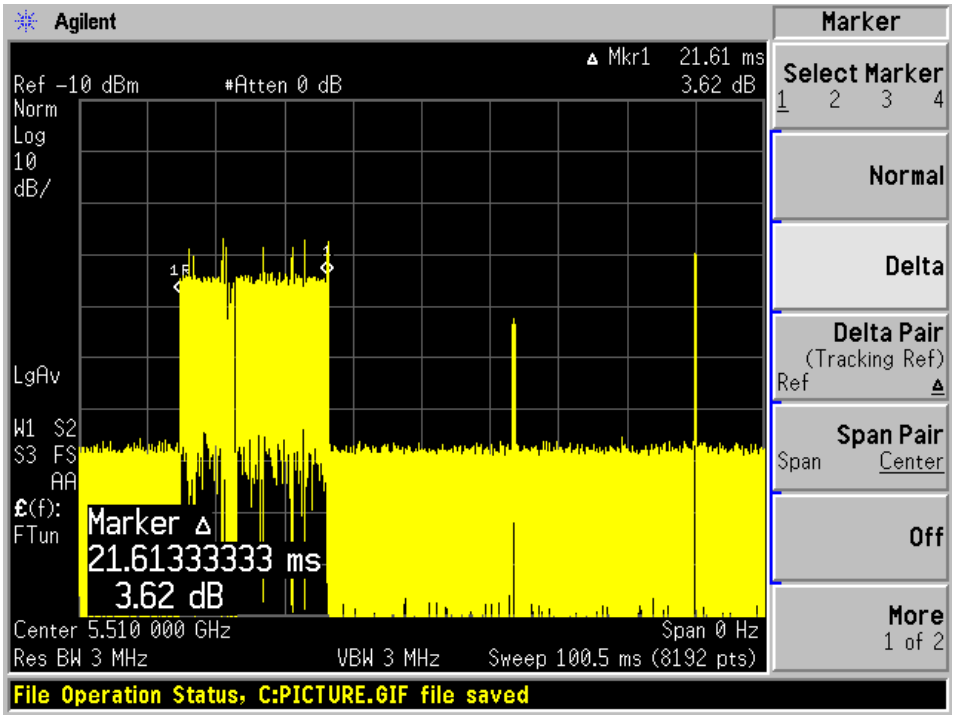
The Duty Cycle of the traffic is greater than 17%

Pine Radio

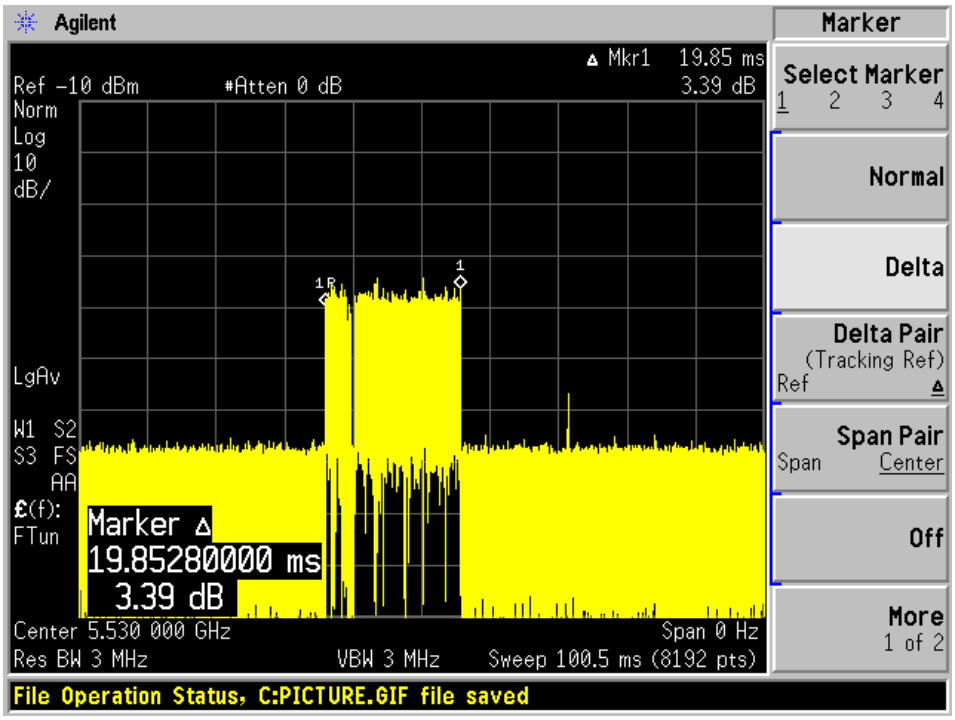
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz 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 *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

P2P Mode

Cobalt 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

Cobalt 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

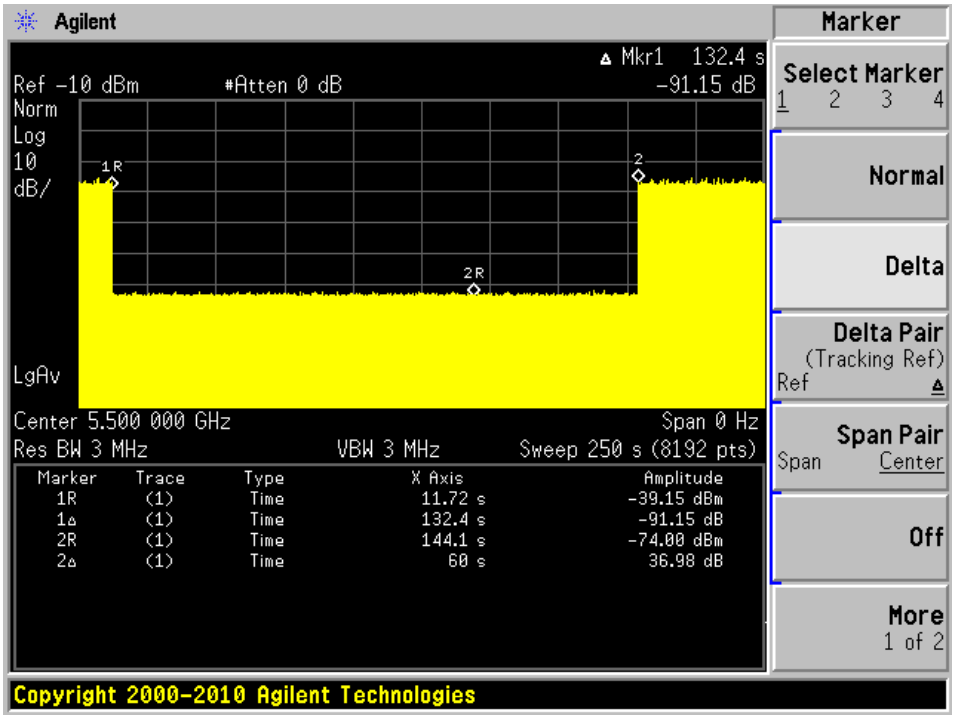
Please refer to the following plots.

P2P Mode

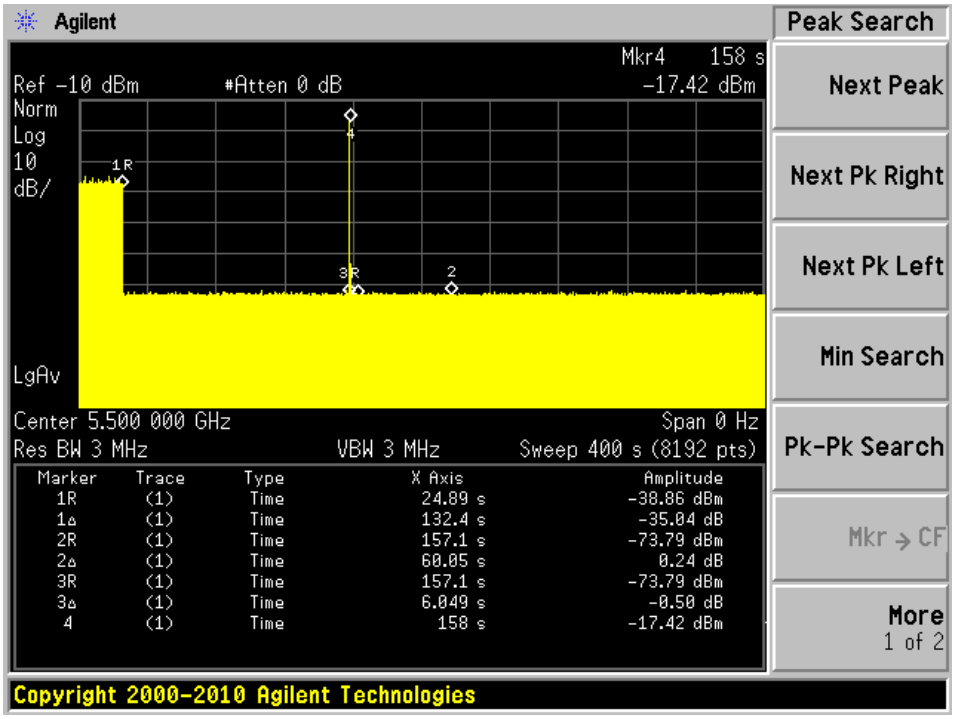
Cobalt Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

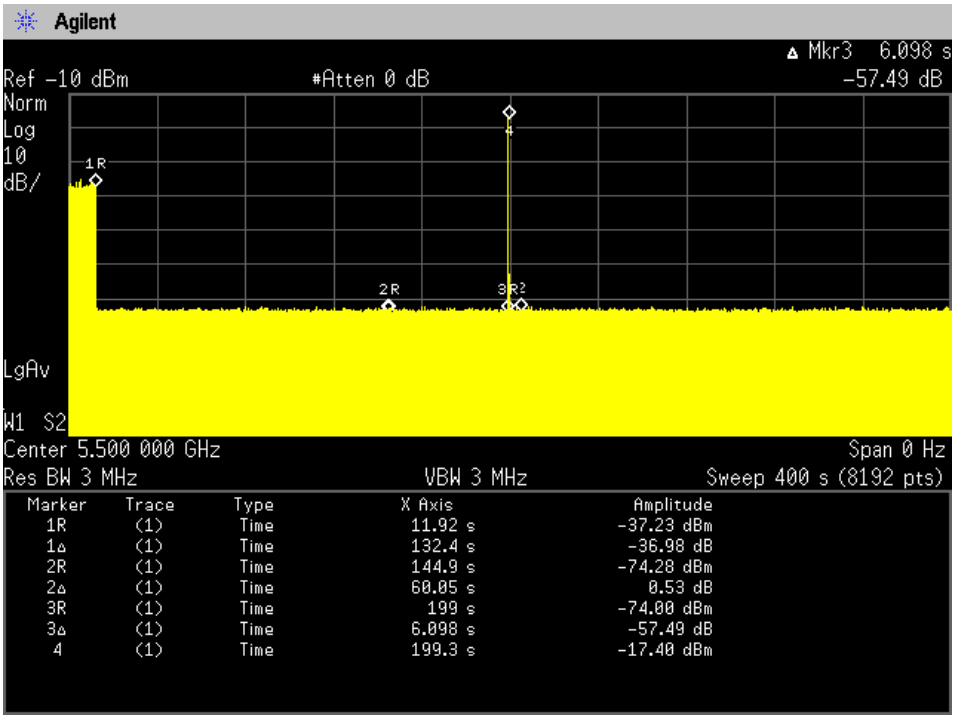


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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



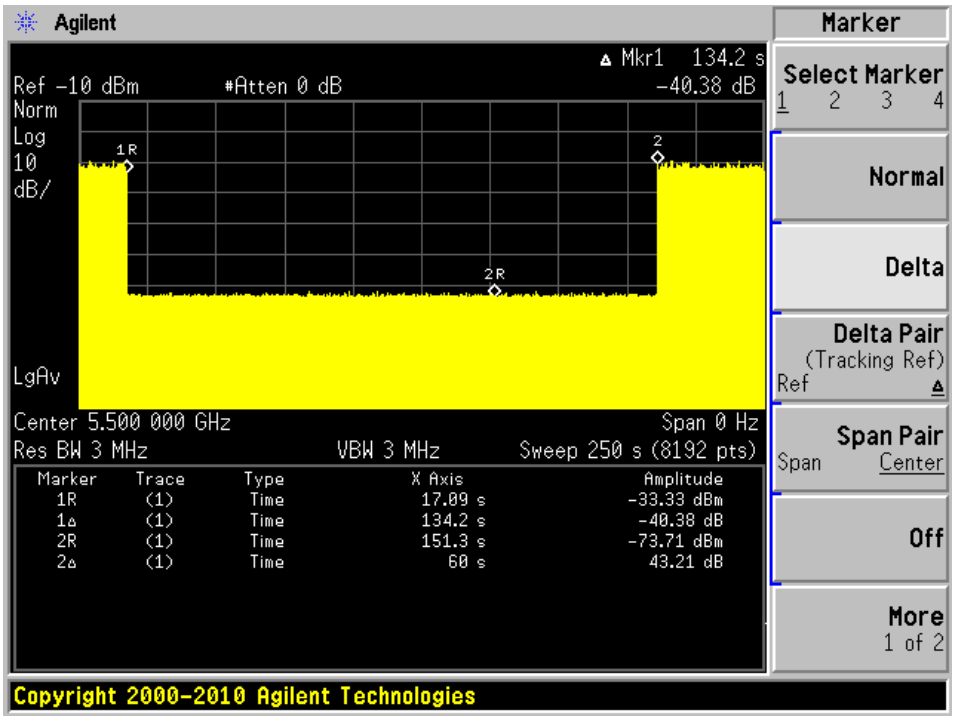
No transmissions found after radar signal applied.

P2P Mode

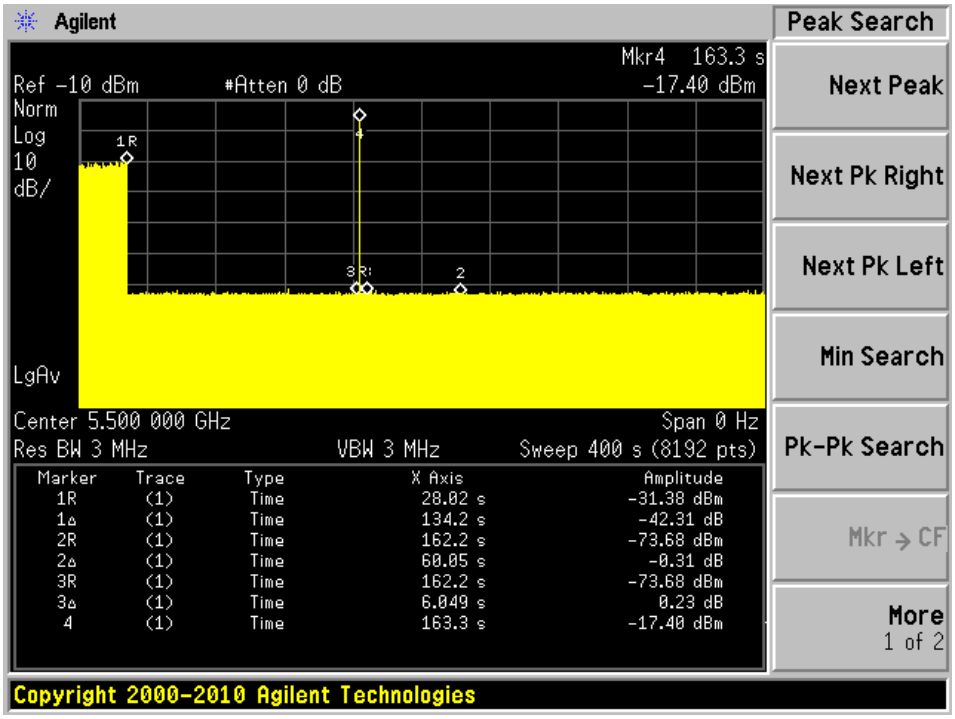
Pine Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

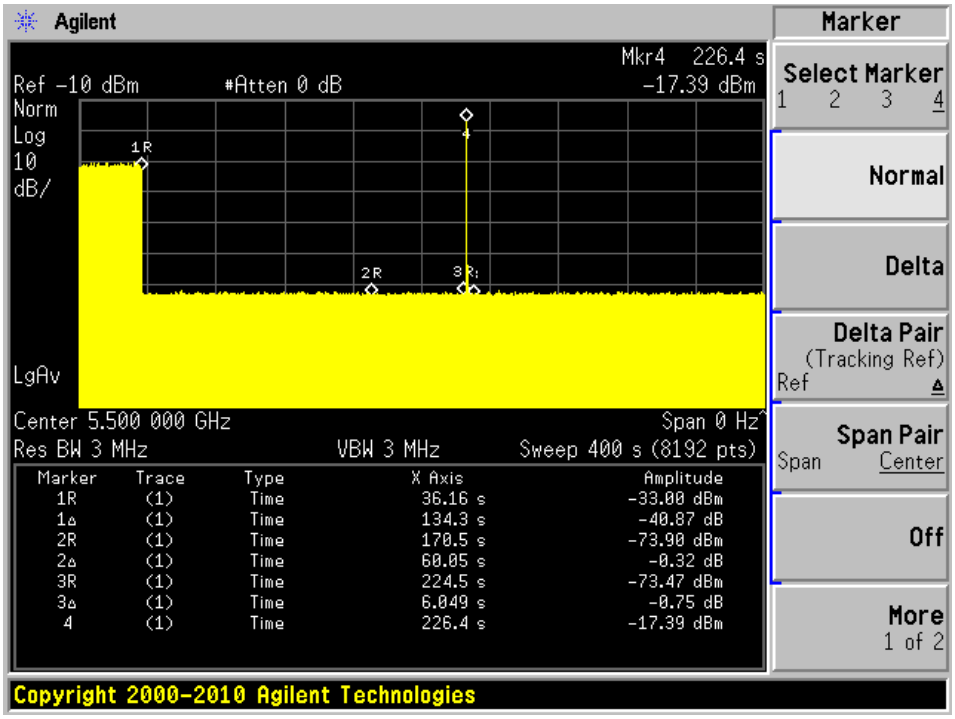


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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



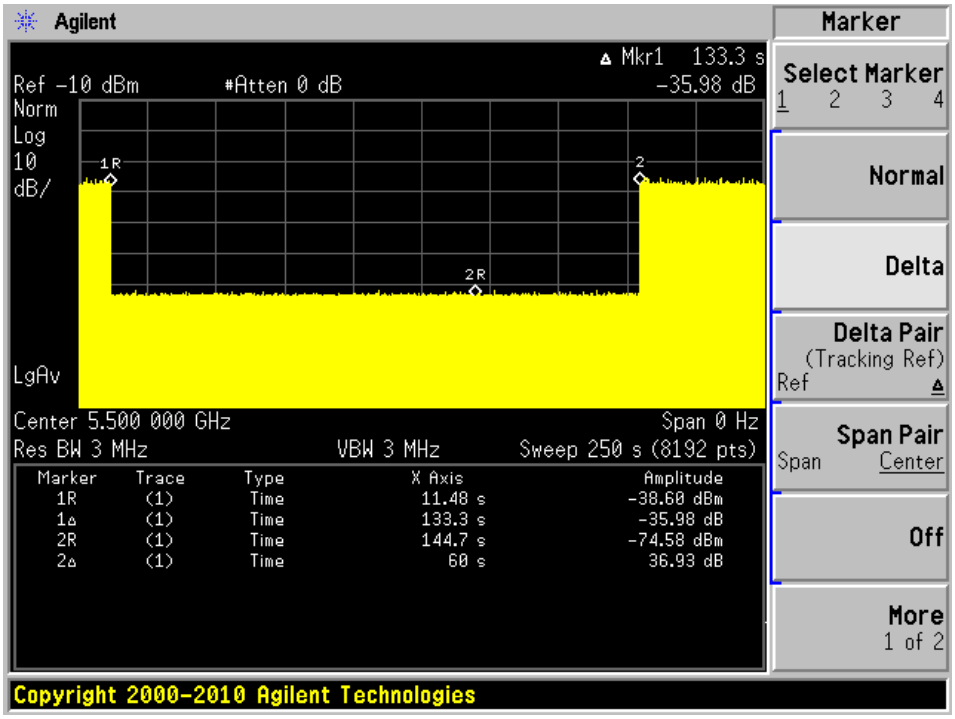
No transmissions found after radar signal applied.

P2MP Mode

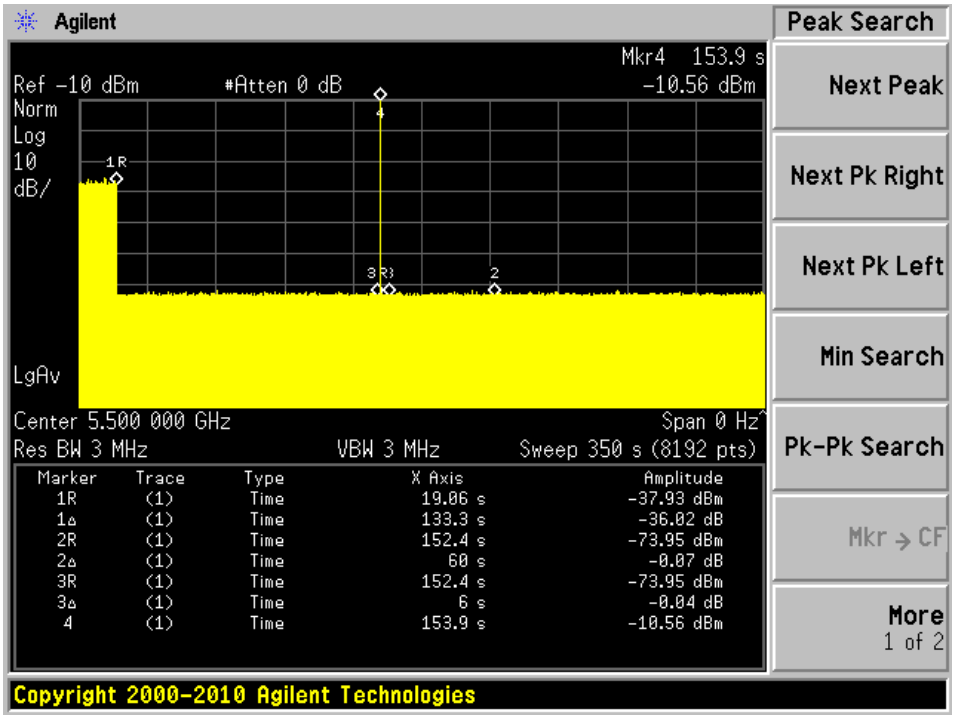
Cobalt Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

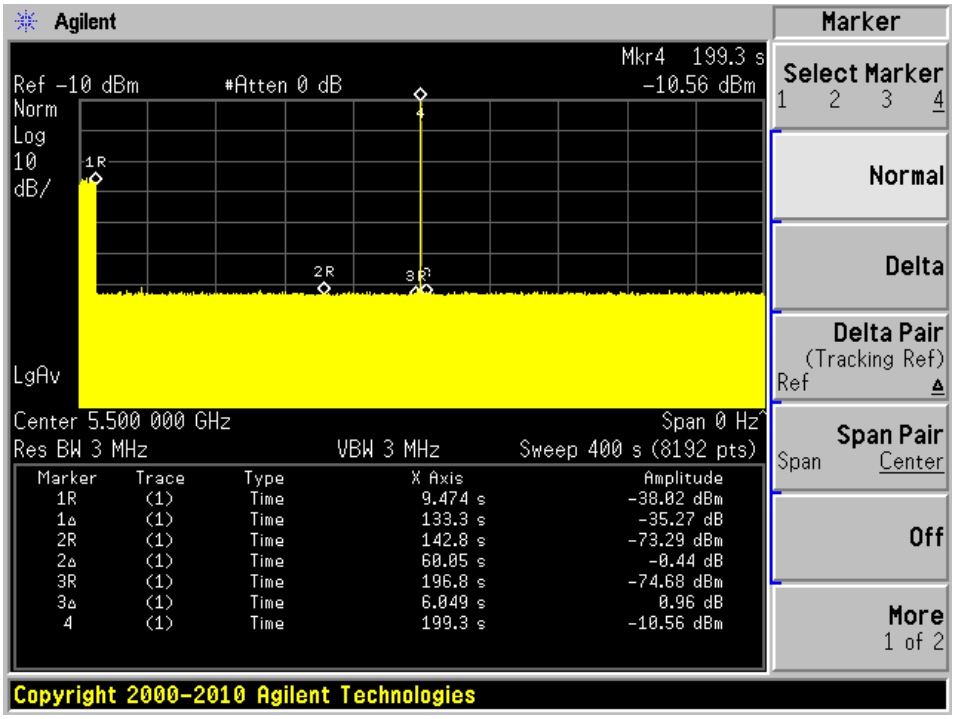


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

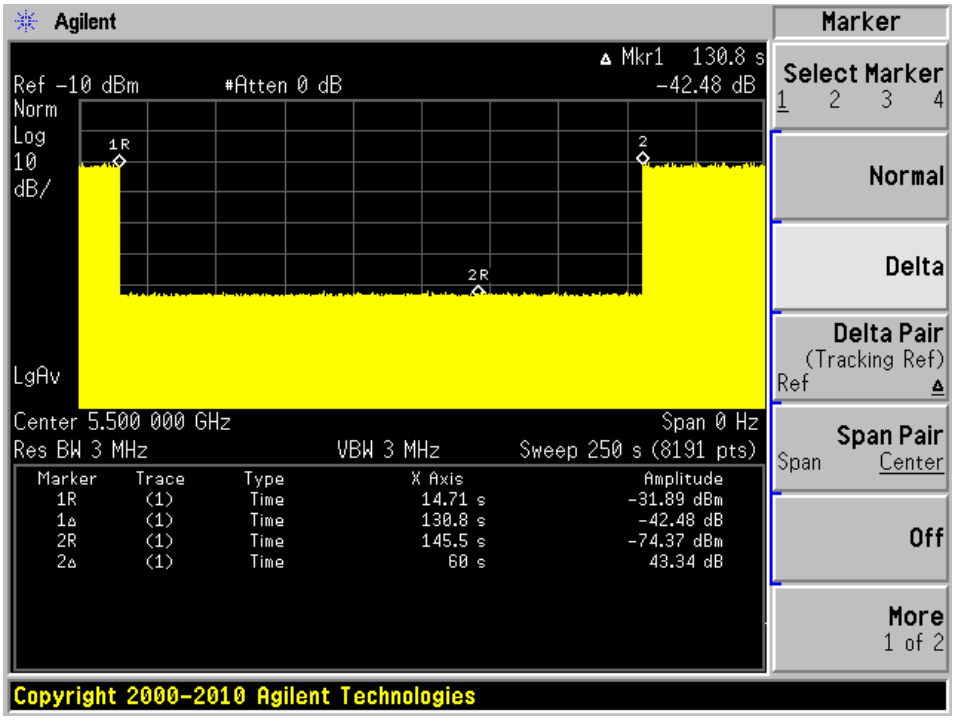


No transmissions found after radar signal applied.

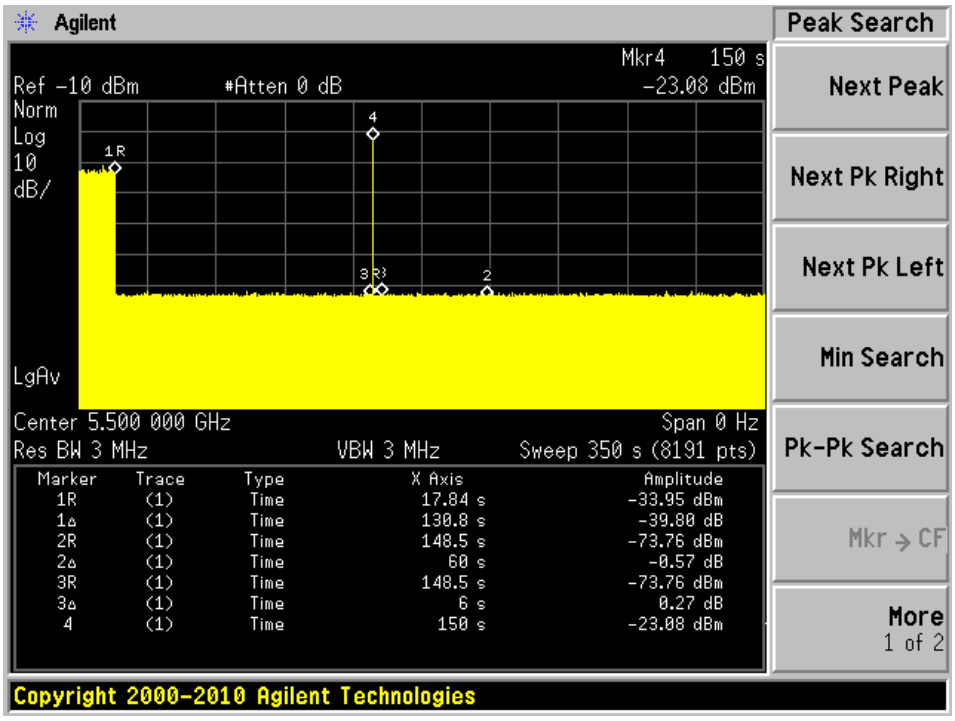
Pine Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

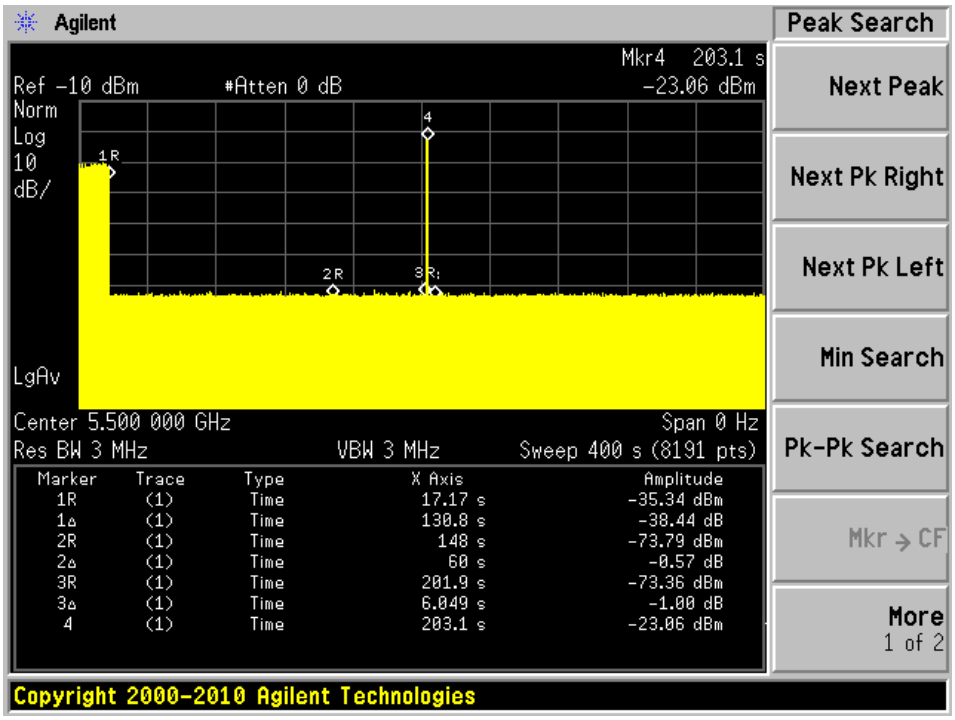


Plot of Radar signal applied within 6 seconds of start of CAC



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

P2P Mode

Cobalt Radio

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

Pine Radio

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

PM2P Mode

Cobalt Radio

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

Pine Radio

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

Client Mode Injection at Client

Cobalt Radio

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

Pine Radio

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

Client Mode Injection at Master

Cobalt Radio

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

Pine Radio

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

Please refer to the following tables and plots.

P2P Mode

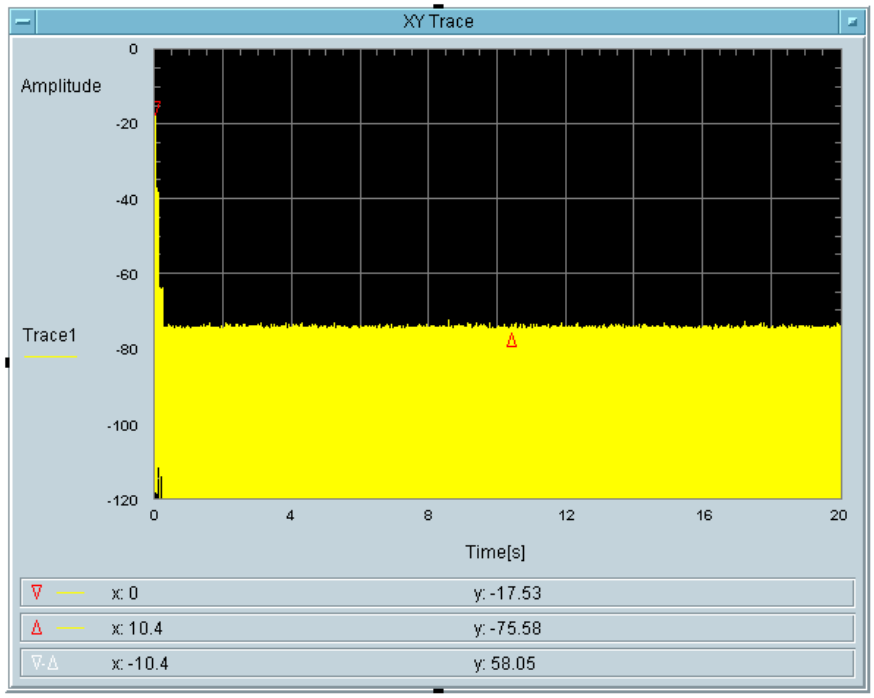
Cobalt Radio

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
102.5+2.441	200+60	Pass

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



P2P Mode

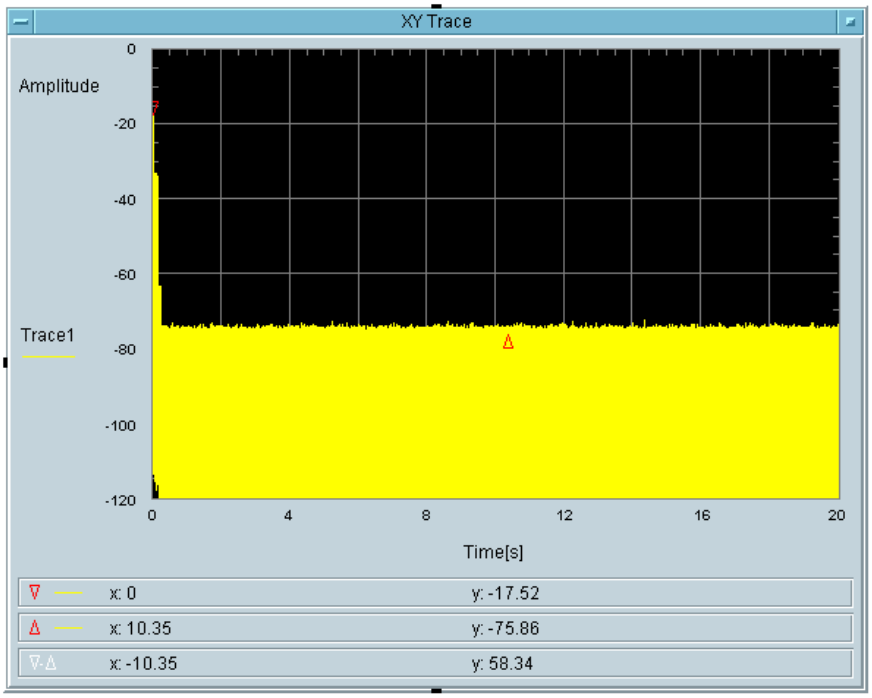
Pine Radio

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
102.5+2.441	200+60	Pass

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



P2MP Mode

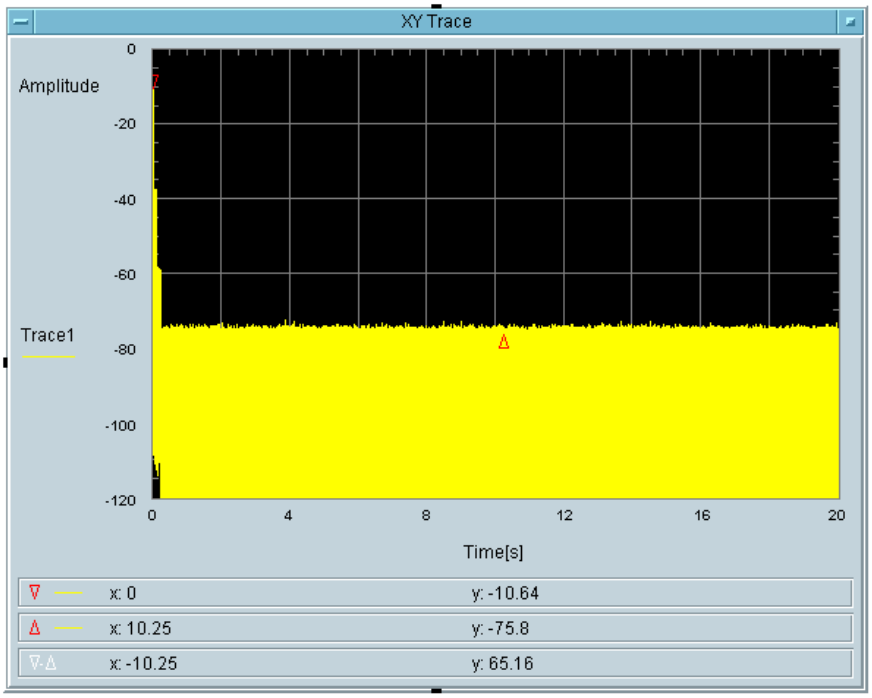
Cobalt Radio

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
102.5+2.441	200+60	Pass

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



P2MP Mode

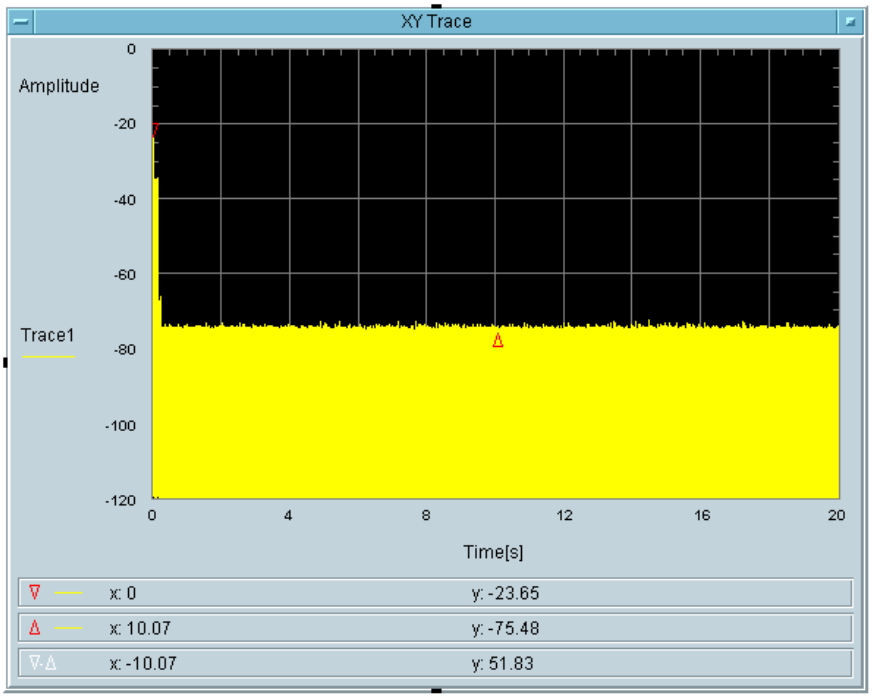
Pine Radio

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
102.6+2.442	200+60	Pass

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



Client Mode Injection at Client

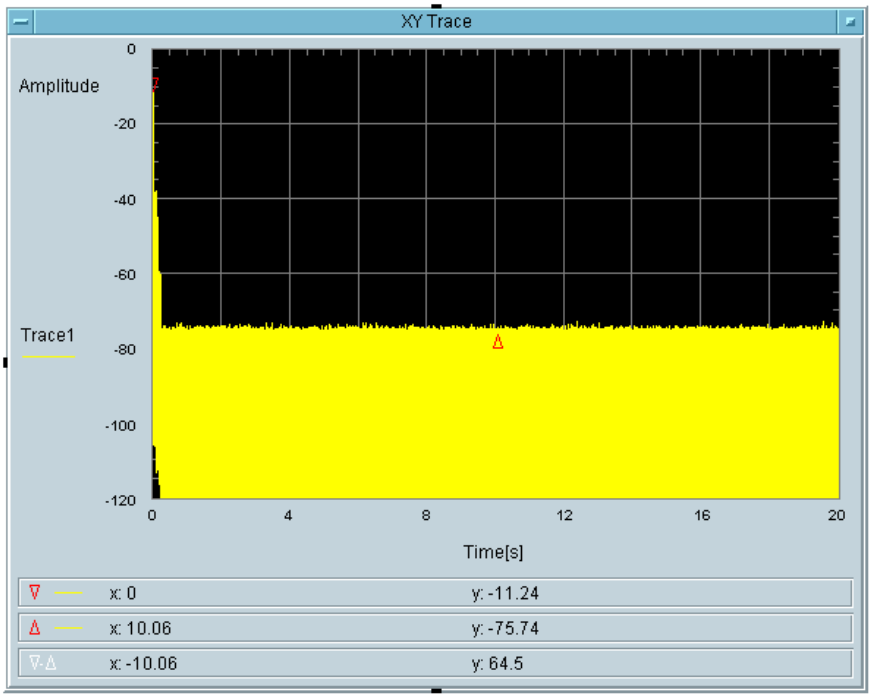
Cobalt Radio

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
102.5+2.441	200+60	Pass

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



Client Mode Injection at Client

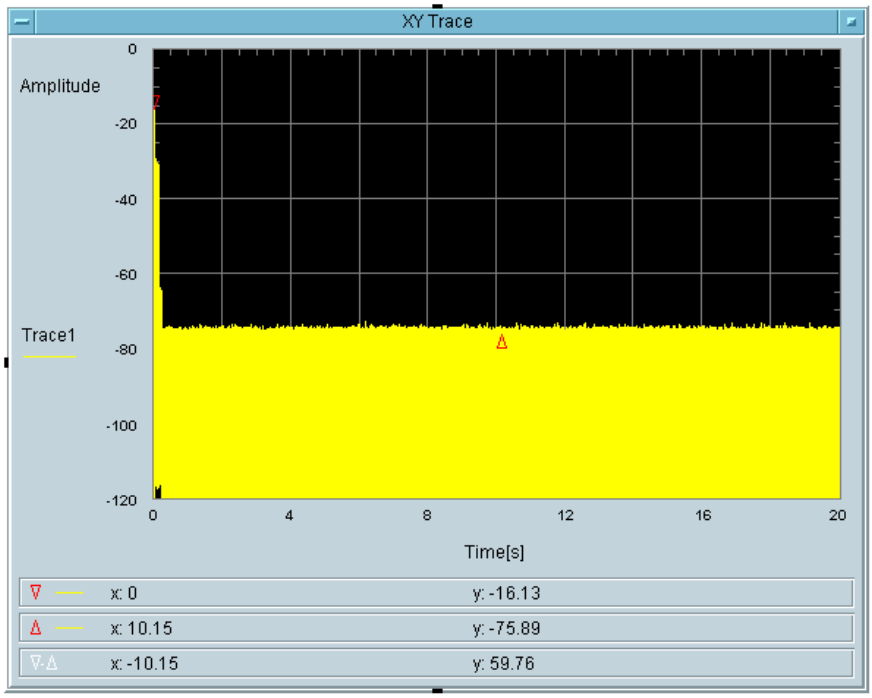
Pine Radio

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
102.5+2.441	200+60	Pass

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



Client Mode Injection at Master

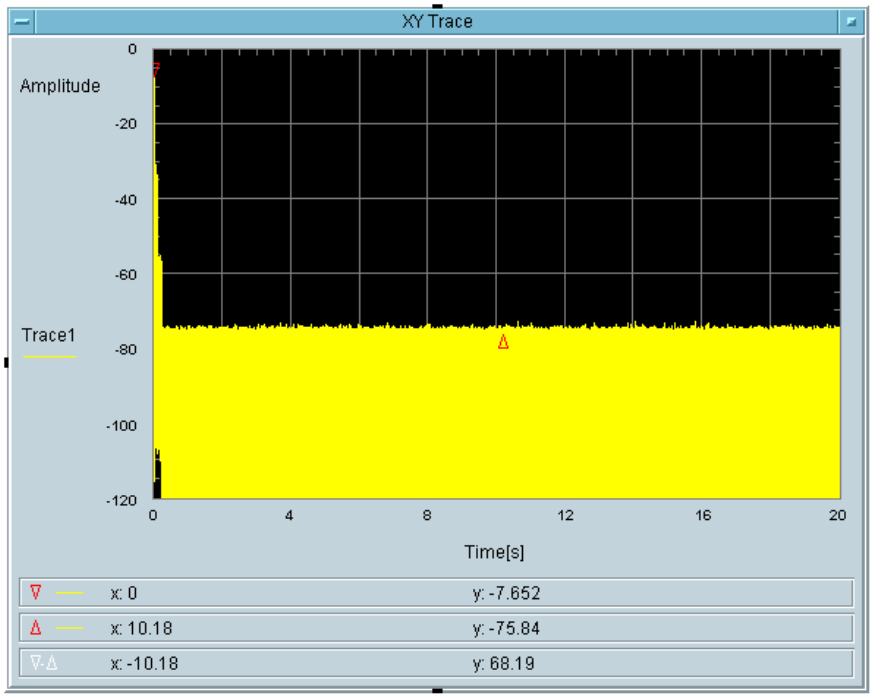
Cobalt Radio

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
100.1+0	200+60	Pass

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



Client Mode Injection at Master

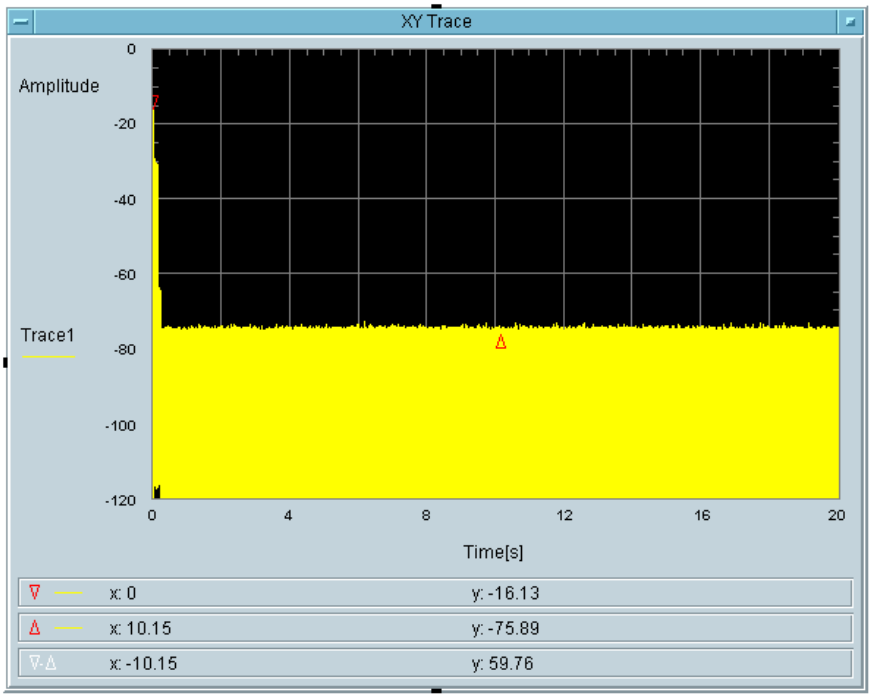
Pine Radio

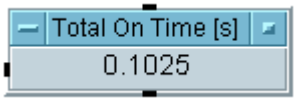
5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
102.5+2.441	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

P2P Mode

Cobalt Radio

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

Pine Radio

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

P2MP Mode

Cobalt Radio

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

Pine Radio

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

Client Mode Injection at Client

Cobalt Radio

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

Pine Radio

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

Client Mode Injection at Master

Cobalt Radio

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

Pine Radio

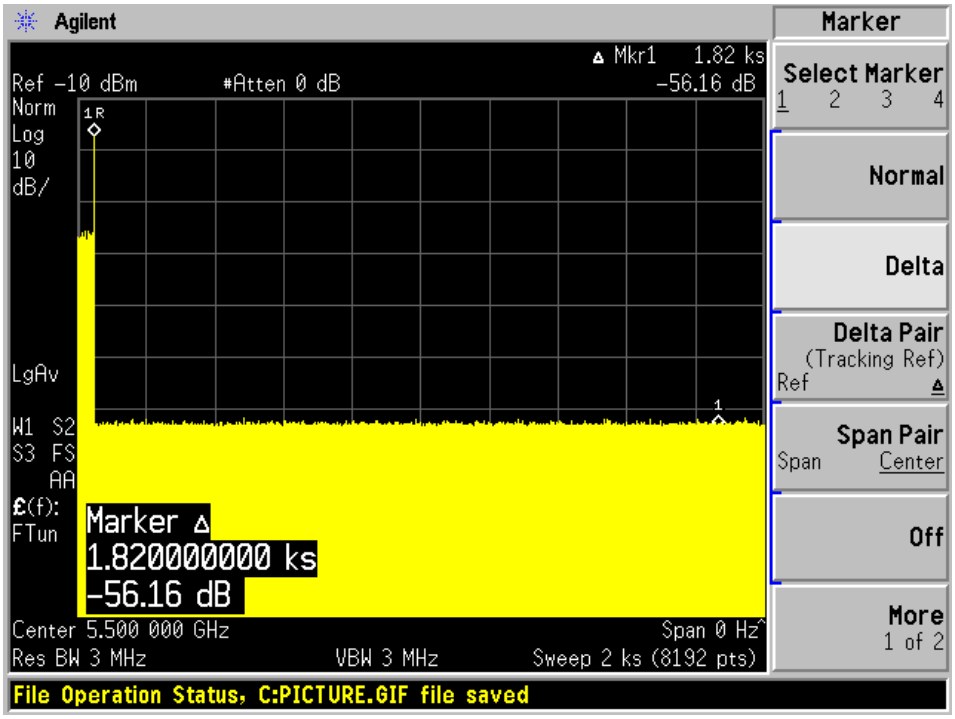
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5530	80	No transmission within 30 minutes

Note: 5500 MHz was the primary channel that contains control signal. Therefore, 5500 MHz was monitored during the test.
Please refer to the following plots.

P2P Mode

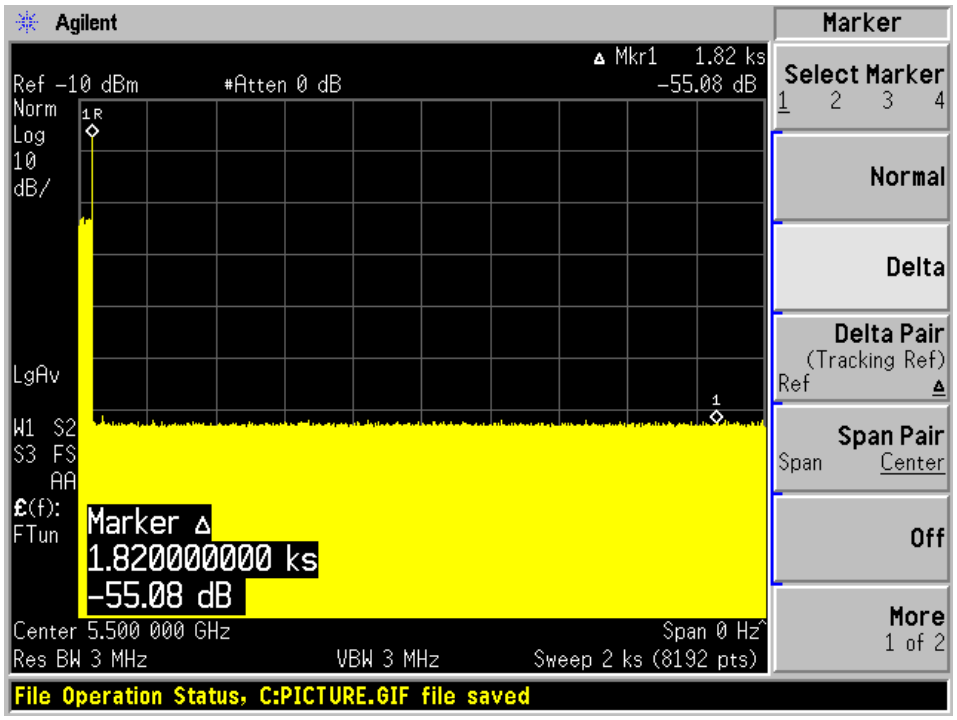
Cobalt Radio

5530 MHz, Bandwidth 80 MHz



Pine Radio

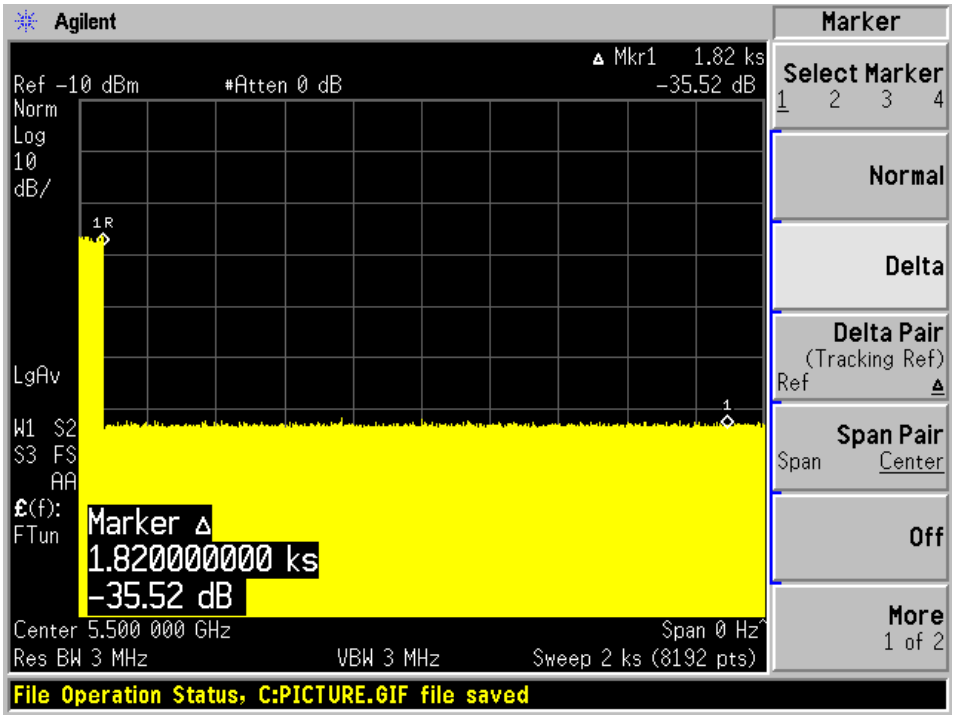
5530 MHz, Bandwidth 80 MHz



P2MP Mode

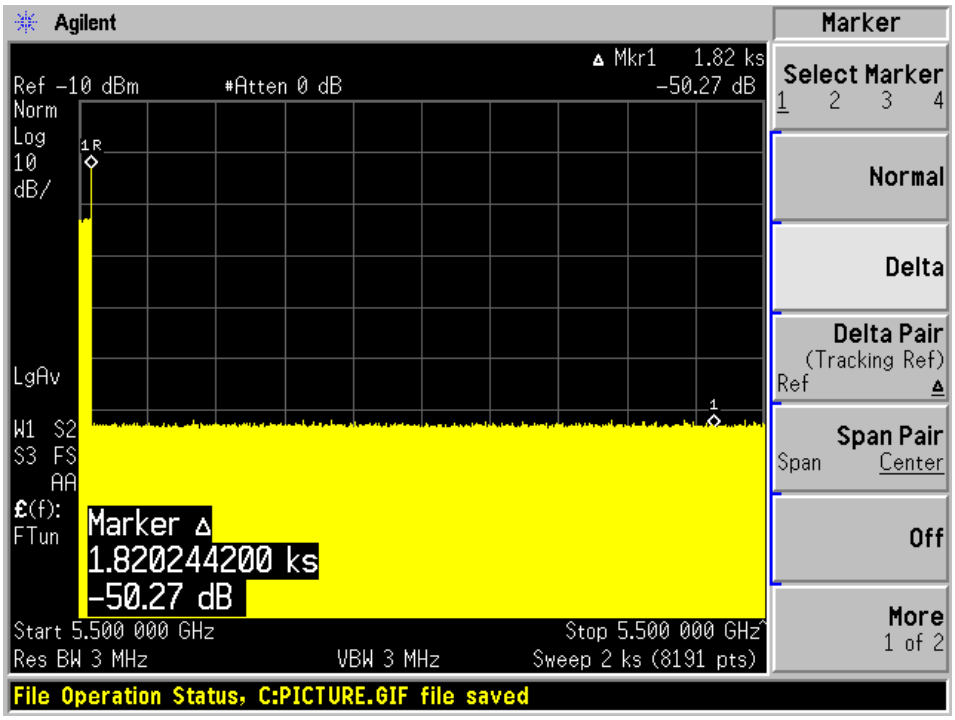
Cobalt Radio

5530 MHz, Bandwidth 80 MHz



Pine Radio

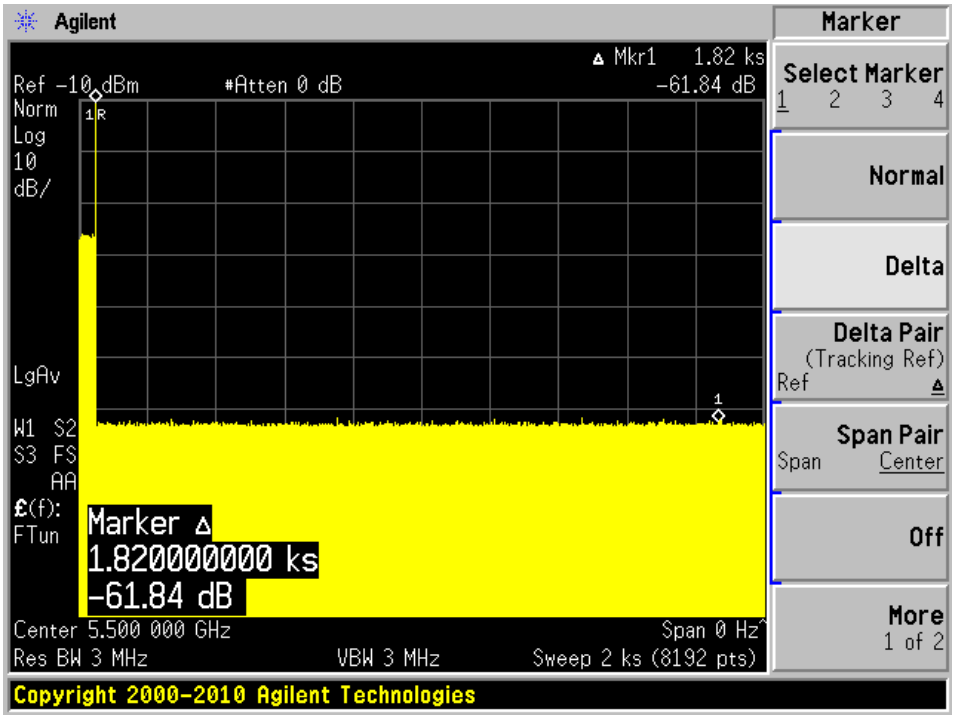
5530 MHz, Bandwidth 80 MHz



Client Mode Injection at Client

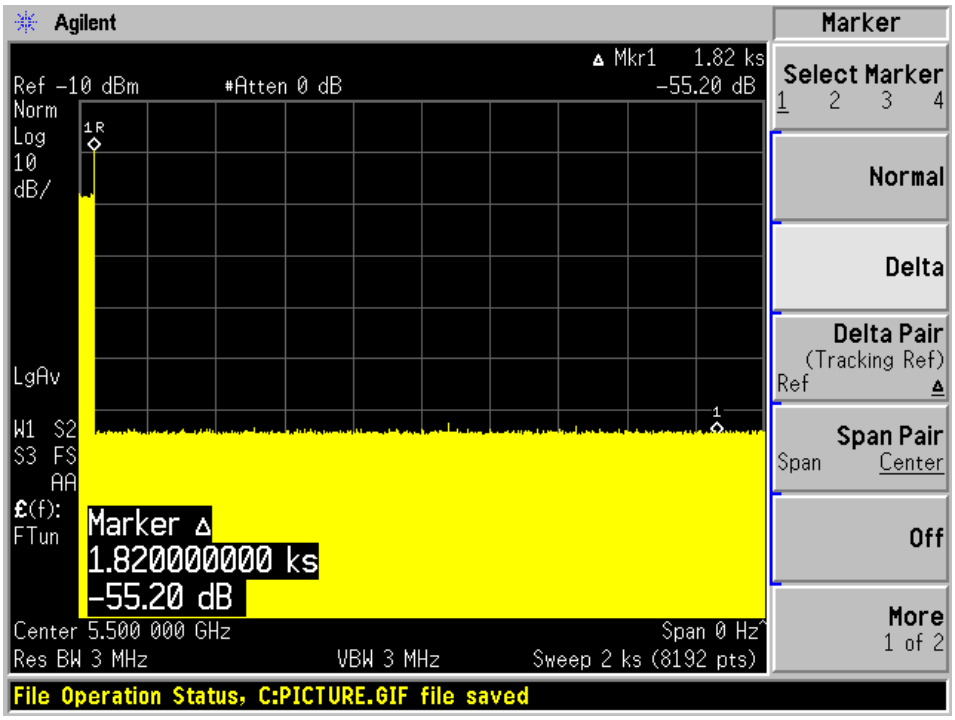
Cobalt Radio

5530 MHz, Bandwidth 80 MHz



Pine Radio

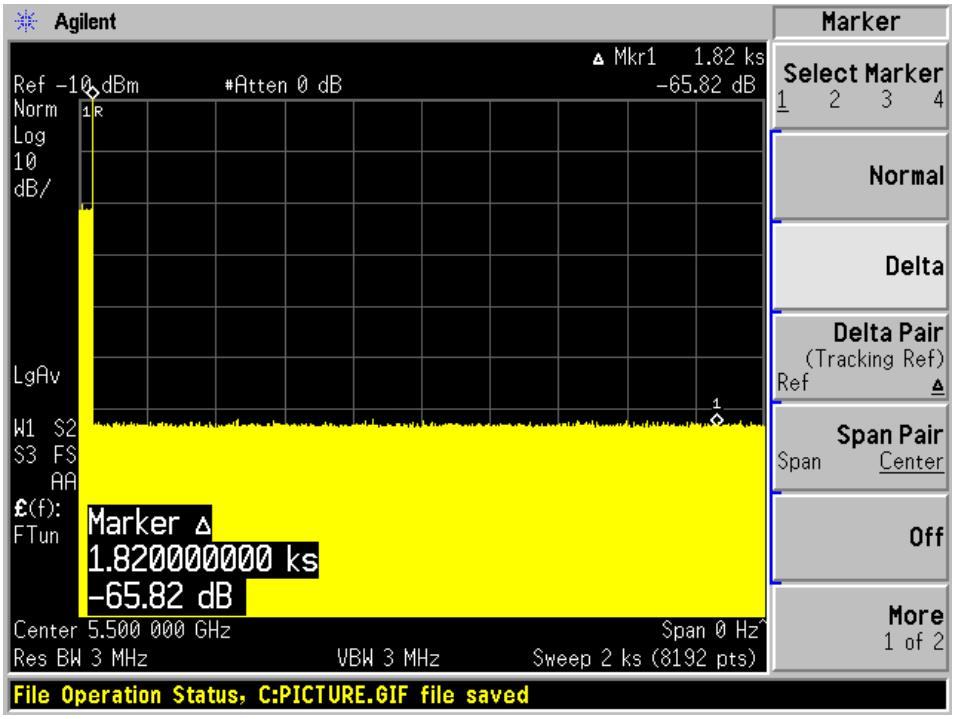
5530 MHz, Bandwidth 80 MHz



Client Mode Injection at Master

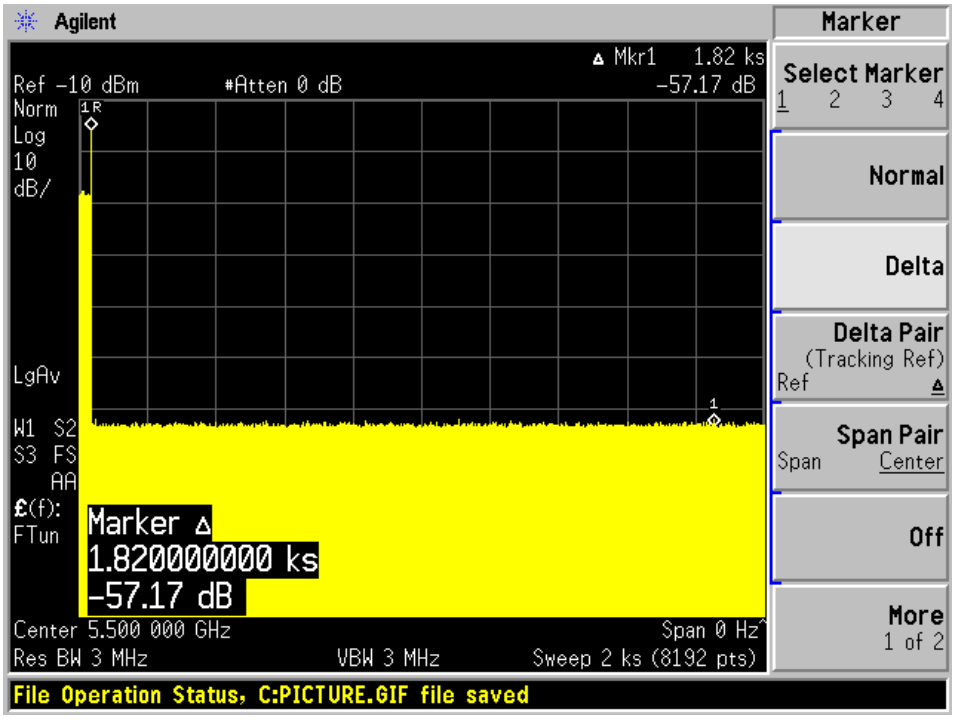
Cobalt Radio

5530 MHz, Bandwidth 80 MHz



Pine Radio

5530 MHz, Bandwidth 80 MHz



9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

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

Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance.

Starting at the center frequency of the UUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.

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

Test Results

P2P Mode

Cobalt 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

P2MP Mode

Cobalt 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

Client Mode

Cobalt 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

Results of Detection Bandwidth:

P2P Mode
Cobalt 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	1	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 = 18.93 MHz; x 100% = 18.93 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	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(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 =37.99 MHz; x 100% =37.99 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	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW =77.52 MHz; x 100% =77.52 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	1	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 =18.97 MHz; x 100% =18.97 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	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(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 =37.96 MHz; x 100% =37.96 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	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW =77.32 MHz; x 100% =77.32 MHz **Result:** Pass											

P2MP Mode
Cobalt 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	1	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 =19.06 MHz; x 100% = 19.06 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	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(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 =38.08 MHz; x 100% =38.08 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	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 77.52 MHz; x 100% = 77.52 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	1	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 =18.95 MHz; x 100% =18.95 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	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(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 =37.90 MHz; x 100% =37.90 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	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5569(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5570	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW =77.53 MHz; x 100% =77.53 MHz **Result:** Pass											

Client Mode
Cobalt 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	1	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 =18.17 MHz; x 100% =18.17 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	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(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 =36.74 MHz; x 100% =36.74 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	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW =76.57 MHz; x 100% =76.57 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	1	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 = 18.41 MHz; x 100% = 18.41 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	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(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	0	1	1	1	1	1	1	1	1	90 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 36.24 MHz; x 100% = 36.24 MHz **Result:** Pass											

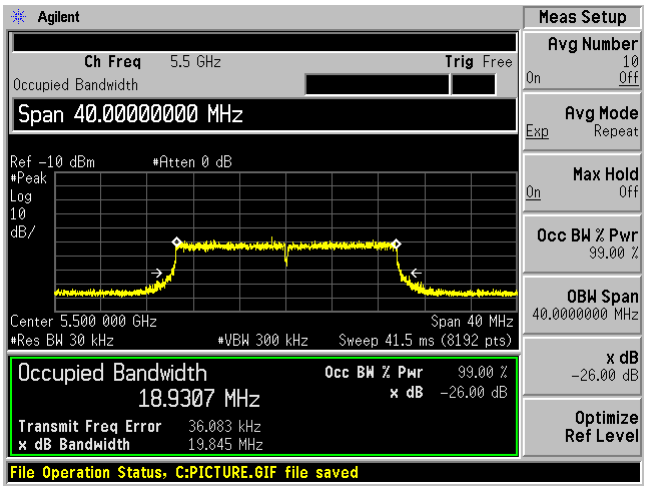
EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5569(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5570	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 76.40 MHz; x 100% = 76.40 MHz **Result:** Pass											

OBW Measurement

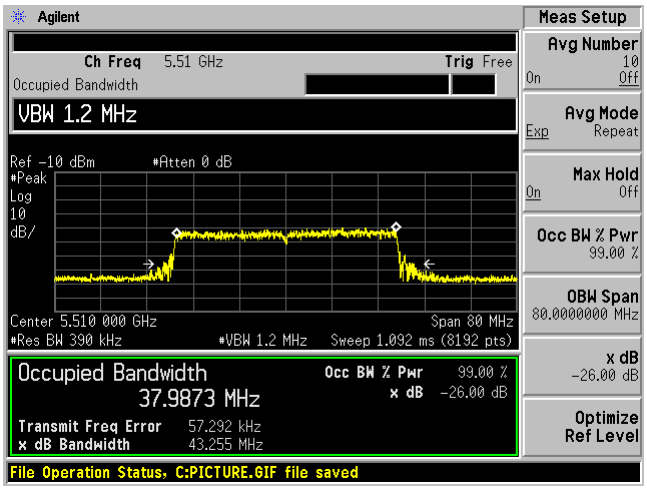
P2P Mode

Cobalt Radio

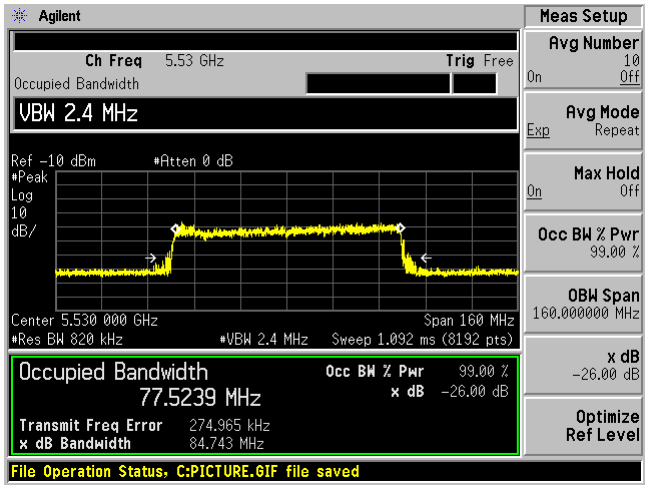
20 MHz



40 MHz

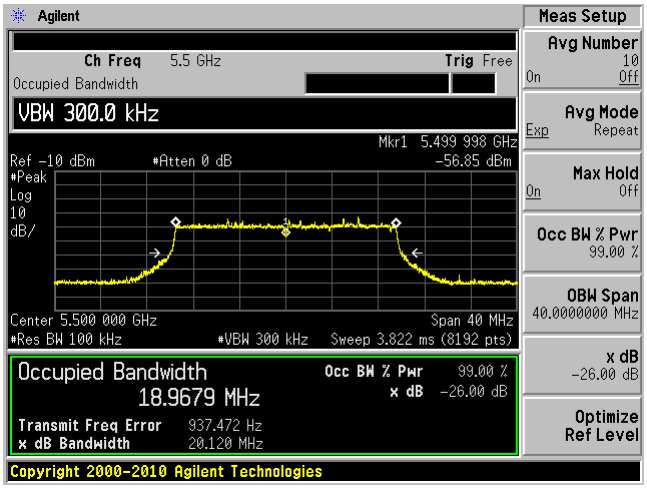


80 MHz

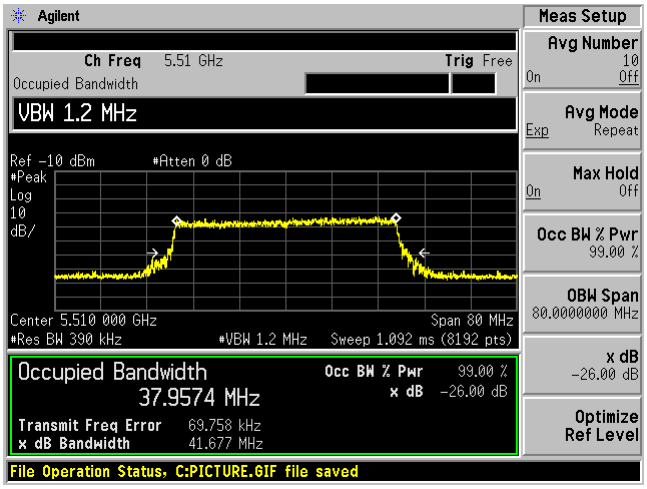


Pine Radio

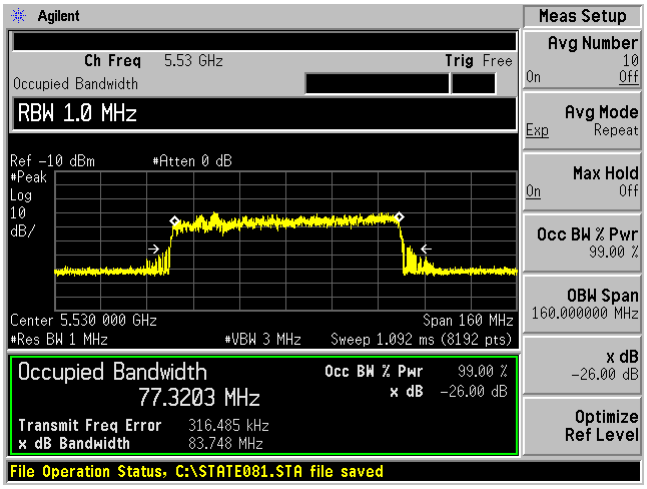
20 MHz



40 MHz



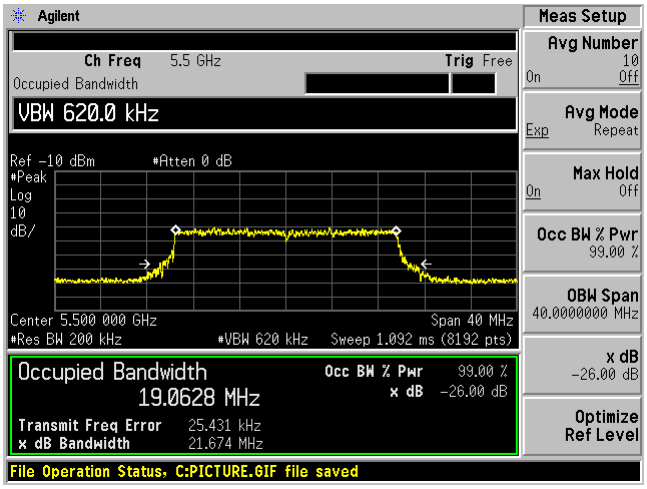
80 MHz



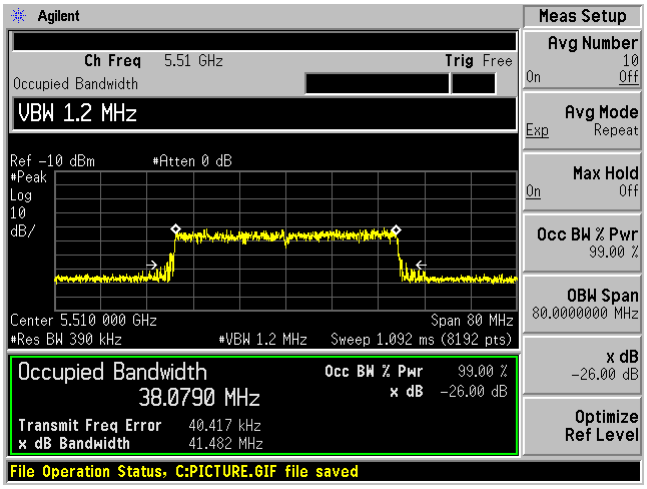
P2MP Mode

Cobalt Radio

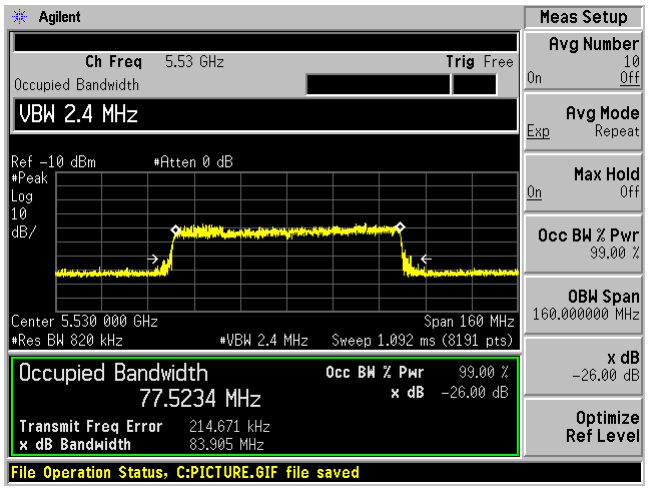
20 MHz



40 MHz

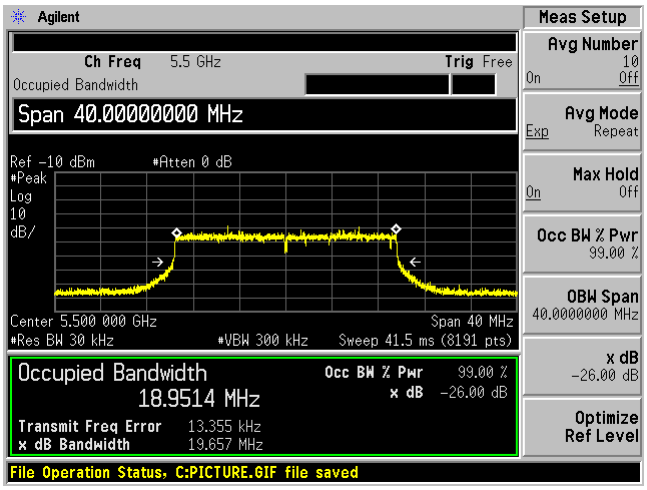


80 MHz

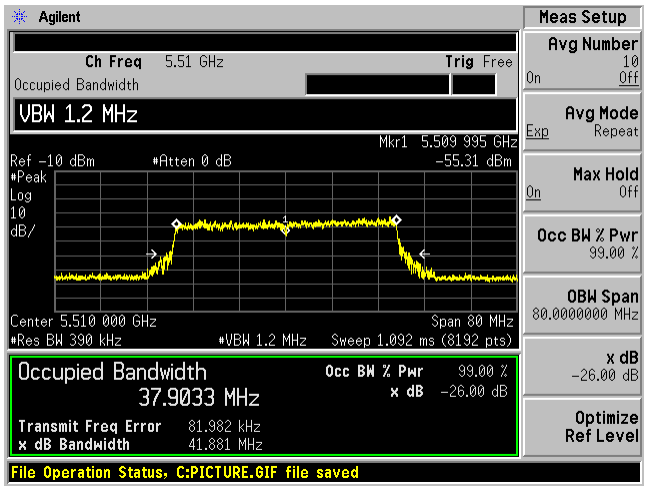


Pine Radio

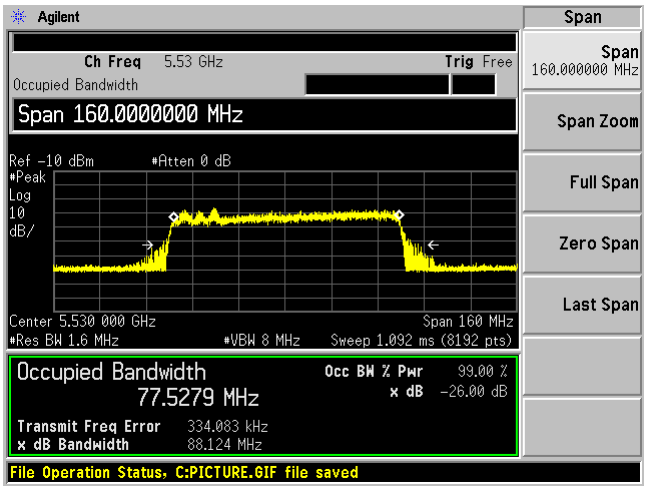
20 MHz



40 MHz



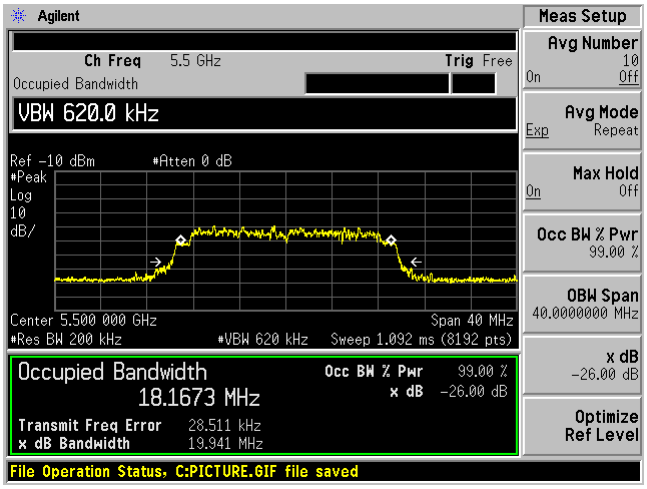
80 MHz



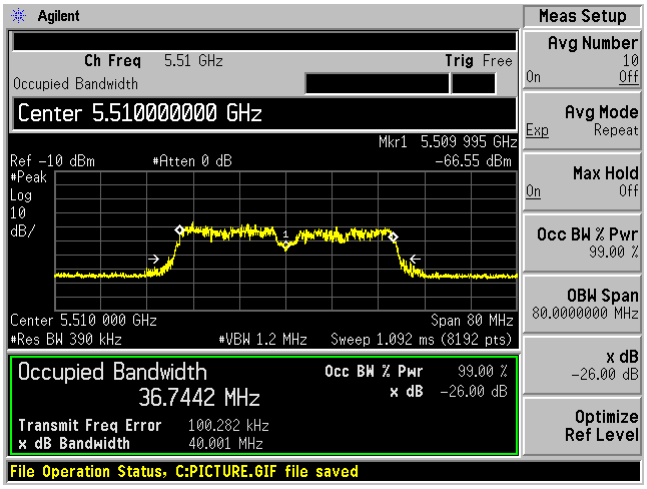
Client Mode

Cobalt Radio

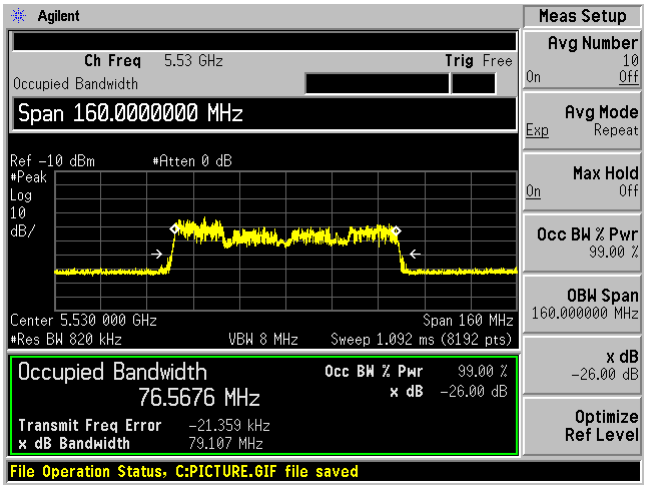
20 MHz



40 MHz

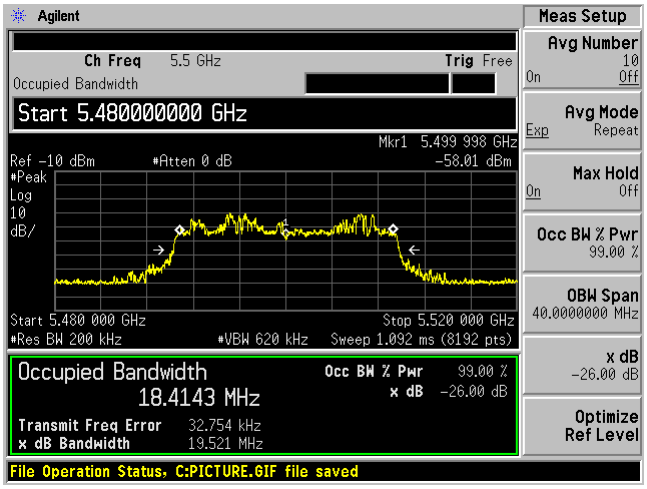


80 MHz

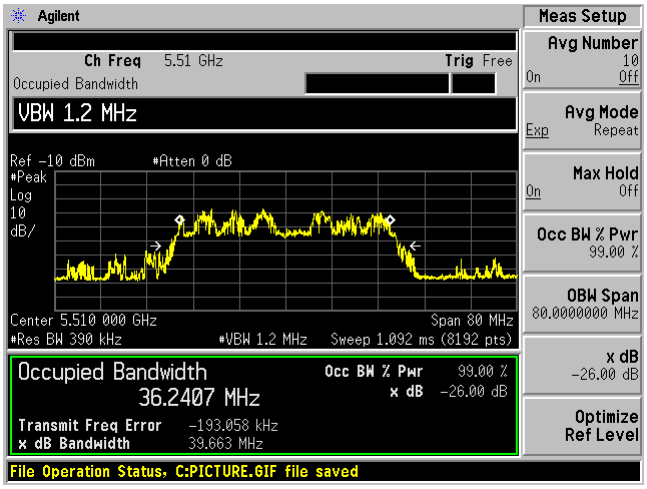


Pine Radio

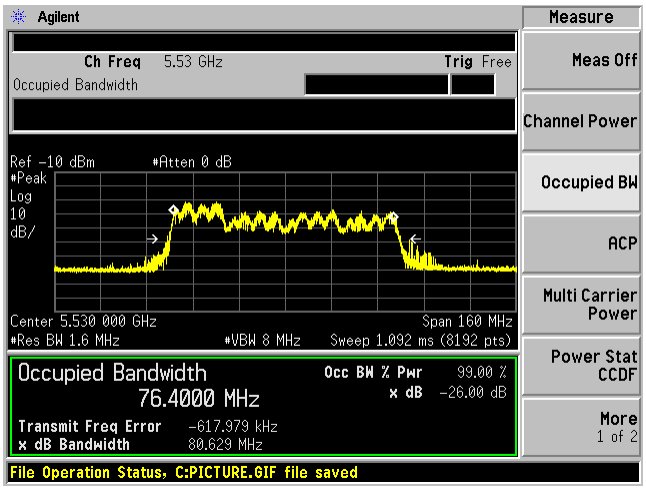
20 MHz



40 MHz



80 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:

P2P Mode
Cobalt 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	93.3 %	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	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	74	1.0	718	0
2	61	1.0	878	1
3	89	1.0	598	1
4	65	1.0	818	1
5	99	1.0	538	0
6	67	1.0	798	1
7	81	1.0	658	1
8	68	1.0	778	1
9	63	1.0	838	1
10	18	1.0	3066	1
11	58	1.0	918	1
12	57	1.0	938	1
13	78	1.0	678	1
14	95	1.0	558	1
15	92	1.0	578	1
16	42	1.0	1286	1
17	29	1.0	1854	1
18	18	1.0	3019	1
19	71	1.0	751	1
20	23	1.0	2366	1
21	22	1.0	2483	1
22	34	1.0	1566	1
23	32	1.0	1667	1
24	37	1.0	1456	1
25	38	1.0	1392	1
26	64	1.0	832	1
27	18	1.0	2958	1
28	44	1.0	1209	1
29	30	1.0	1807	1
30	47	1.0	1125	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	3.8	212	1
2	28	2.2	162	1
3	27	4.9	176	1
4	28	2.2	222	1
5	26	2.0	219	0
6	28	4.4	196	1
7	27	4.6	170	1
8	26	4.9	178	1
9	29	3.2	180	1
10	29	5.0	192	1
11	29	3.0	191	1
12	24	4.3	180	1
13	29	1.1	206	1
14	26	4.8	168	1
15	28	2.8	189	0
16	23	2.0	183	1
17	23	1.3	198	1
18	26	4.3	153	1
19	28	4.5	177	1
20	28	2.8	211	1
21	23	1.2	207	1
22	25	2.2	165	1
23	29	2.7	173	1
24	27	3.6	154	1
25	26	1.6	178	1
26	27	1.8	223	1
27	26	3.1	192	1
28	27	2.8	155	1
29	29	2.3	173	1
30	26	3.5	192	1
Detection Percentage: 93.3 % (>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	9.2	346	1
2	18	7.2	434	1
3	16	6.7	219	1
4	16	6.6	258	1
5	18	6.8	394	0
6	16	9.6	297	1
7	18	8.5	490	1
8	18	8.1	250	1
9	17	6.7	369	1
10	17	7.0	395	1
11	17	6.5	364	1
12	18	9.8	477	1
13	17	6.5	471	1
14	18	8.9	488	0
15	18	6.8	326	1
16	16	6.2	449	1
17	18	9.0	432	1
18	18	6.7	224	1
19	18	7.0	283	1
20	16	8.7	426	0
21	16	8.6	295	1
22	17	6.8	343	0
23	18	6.9	303	1
24	18	6.1	441	1
25	16	6.2	500	0
26	18	6.6	218	1
27	18	8.9	312	1
28	18	6.9	217	1
29	18	7.6	480	1
30	17	7.6	352	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	12	17.1	292	1
2	15	14.3	364	0
3	15	11.8	392	1
4	12	11.1	425	1
5	13	19.0	400	0
6	12	14.6	496	1
7	13	17.0	315	1
8	15	14.6	432	1
9	14	17.3	247	1
10	12	12.6	386	1
11	12	13.0	395	0
12	13	14.2	444	1
13	13	16.7	320	1
14	13	13.5	483	1
15	14	19.4	399	0
16	12	11.7	254	0
17	13	12.2	306	1
18	16	17.0	290	1
19	16	16.1	219	1
20	12	14.8	425	1
21	14	11.8	239	1
22	15	19.7	326	1
23	13	16.0	318	1
24	14	15.8	251	1
25	16	18.4	419	1
26	16	11.5	449	0
27	14	17.3	342	1
28	16	17.6	312	0
29	16	19.0	227	1
30	16	14.4	224	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5496.9	1
12	5498.1	1
13	5496.5	1
14	5493.3	1
15	5496.5	1
16	5493.3	1
17	5494.5	1
18	5498.5	1
19	5494.5	1
20	5498.1	1
21	5504.3	1
22	5501.9	1
23	5505.9	1
24	5502.7	1
25	5504.7	1
26	5502.7	1
27	5502.7	1
28	5501.5	1
29	5503.1	1
30	5504.3	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	2	12	88.3	1356		0.657387	1
1	1	12	65.7			2.876891	
2	3	12	83.1	1807	1450	3.909256	
3	1	12	54.5			4.699466	
4	3	12	51.1	1107	1849	6.806259	
5	2	12	61.8	1379		8.696893	
6	1	12	59.1			9.072791	
7	2	12	91.4	1930		11.634632	

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	86.0	1299		0.109515	1
1	2	11	51.2	1953		1.294157	
2	2	11	94.6	1237		2.573058	
3	3	11	82.7	1321	1417	3.210466	
4	3	11	70.6	1981	1265	4.248971	
5	2	11	62.5	1780		5.149888	
6	2	11	83.8	1408		6.797694	
7	2	11	95.7	1702		7.236540	
8	3	11	80.2	1506	1753	8.010852	
9	3	11	54.6	1484	1758	9.522072	
10	2	11	71.7	1442		10.473086	
11	2	11	74.8	1495		11.085726	

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	6	78.1			0.077085	1
1	2	6	79.9	1544		1.197663	
2	1	6	57.6			1.690243	
3	2	6	89.7	1503		2.020393	
4	3	6	86.9	1249	1879	2.719094	
5	2	6	64.0	1106		3.643621	
6	2	6	81.2	1025		4.531440	
7	2	6	98.8	1165		4.871354	
8	2	6	72.4	1965		5.657005	
9	1	6	51.4			6.411717	
10	3	6	68.8	1984	1972	7.229943	
11	1	6	86.4			7.821421	
12	2	6	93.5	1252		8.622709	
13	3	6	68.4	1751	1335	9.182541	
14	1	6	54.7			9.905628	
15	2	6	77.9	1068		10.163717	
16	1	6	58.4			10.989204	
17	2	6	51.8	1091		11.529399	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	76.5	1773		0.292711	1
1	2	7	55.9	1091		1.472358	
2	3	7	92.8	1574	1382	2.478893	
3	3	7	87.3	1068	1521	2.853406	
4	3	7	54.2	1816	1350	4.078299	
5	3	7	81.2	1378	1940	5.156800	
6	1	7	75.2			6.032367	
7	2	7	97.4	1022		7.037005	
8	1	7	87.9			8.167855	
9	3	7	50.8	1022	1043	8.421090	
10	3	7	78.4	1937	1552	9.946493	
11	3	7	85.6	1558	1700	10.268760	
12	2	7	81.4	1458		11.248920	

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	15	79.9	1398	1314	0.041228	
1	2	15	84.6	1354		0.769900	
2	3	15	94.2	1457	1746	2.041155	
3	3	15	80.5	1411	1893	2.468983	
4	2	15	86.8	1042		3.331321	
5	2	15	97.0	1580		3.935146	
6	1	15	84.8			4.441593	
7	3	15	57.6	1475	1983	4.995080	
8	2	15	96.8	1561		5.892884	1
9	2	15	66.2	1722		6.457389	
10	3	15	81.7	1262	1654	7.756462	
11	3	15	73.6	1198	1764	7.944749	
12	1	15	95.9			8.678774	
13	1	15	85.0			9.687259	
14	2	15	93.7	1505		10.482539	
15	1	15	56.8			10.636381	
16	3	15	51.0	1156	1307	11.949477	

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	78.1	1121		1.125196	
1	2	13	64.1	1152		1.580351	
2	2	13	89.8	1722		2.522554	
3	2	13	67.8	1519		3.864996	
4	2	13	98.8	1952		5.350734	
5	2	13	83.9	1311		7.188121	1
6	1	13	88.7			7.617595	
7	2	13	85.0	1729		9.343336	
8	2	13	79.2	1996		9.730464	
9	3	13	94.7	1417	1746	11.446512	

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	79.6	1486	1308	0.483635	1
1	2	11	65.0	1659		1.302936	
2	3	11	83.9	1251	1465	2.014788	
3	1	11	56.1			2.561681	
4	1	11	62.6			3.251985	
5	1	11	94.5			3.930385	
6	2	11	67.5	1390		4.863385	
7	3	11	67.0	1054	1091	5.551688	
8	2	11	56.5	1637		6.335632	
9	2	11	89.2	1303		7.187508	
10	1	11	87.8			8.078068	
11	2	11	67.6	1305		8.987514	
12	2	11	78.1	1864		9.476322	
13	2	11	95.8	1698		10.094934	
14	2	11	85.8	1547		10.980476	
15	1	11	65.5			11.344365	

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	96.8			0.359382	1
1	3	11	89.0	1907	1469	2.123032	
2	1	11	79.8			2.975053	
3	1	11	84.0			3.526299	
4	3	11	95.4	1478	1518	5.194407	
5	2	11	87.9	1805		6.018225	
6	2	11	74.1	1937		6.791505	
7	2	11	88.4	1175		8.563867	
8	2	11	77.9	1985		8.978287	
9	1	11	74.3			10.580761	
10	2	11	69.9	1377		11.766944	

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	6	90.4	1093		0.547519	1
1	3	6	59.0	1043	1023	1.131691	
2	2	6	54.2	1479		1.408172	
3	2	6	57.5	1320		2.190593	
4	2	6	99.1	1450		3.314752	
5	2	6	56.9	1776		3.585921	
6	3	6	85.2	1555	1574	4.038080	
7	2	6	94.8	1577		4.668275	
8	2	6	82.7	1240		5.867283	
9	2	6	92.7	1772		6.316168	
10	2	6	87.6	1477		7.306555	
11	3	6	98.5	1267	1982	7.523123	
12	1	6	58.5			8.273899	
13	3	6	82.9	1634	1506	9.021666	
14	2	6	52.1	1869		9.573920	
15	3	6	52.0	1254	1726	10.011214	
16	2	6	99.9	1401		11.111692	
17	1	6	78.2			11.579641	

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	50.3	1545		0.334121	1
1	2	14	96.5	1689		1.161943	
2	2	14	61.0	1832		1.801675	
3	3	14	50.1	1581	1409	2.491206	
4	3	14	74.8	1574	1235	3.772739	
5	1	14	89.1			4.326781	
6	1	14	63.0			4.851184	
7	1	14	61.9			5.846120	
8	1	14	77.5			6.660728	
9	2	14	72.4	1491		7.743959	
10	3	14	98.8	1641	1893	8.132431	
11	2	14	83.3	1430		8.937851	
12	2	14	79.4	1731		9.805175	
13	3	14	56.6	1463	1581	11.118392	
14	2	14	81.1	1896		11.270727	

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	51.5	1542		0.907624	
1	2	16	68.4	1684		1.011423	
2	1	16	66.9			2.550204	
3	3	16	82.5	1702	1583	3.566854	
4	3	16	54.4	1304	1438	4.501577	
5	2	16	59.5	1812		4.859674	
6	2	16	55.1	1660		6.442114	1
7	3	16	87.2	1120	1691	6.554265	
8	2	16	79.7	1878		8.019994	
9	2	16	87.2	1234		8.644274	
10	1	16	53.9			9.946606	
11	2	16	99.9	1254		10.731514	
12	2	16	71.7	1307		11.884933	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	91.6	1983	1044	0.675108	
1	2	19	50.4	1790		1.793451	
2	3	19	82.9	1882	1691	3.029428	
3	3	19	64.3	1774	1745	4.407535	
4	2	19	56.4	1728		5.101525	
5	1	19	52.9			7.126153	1
6	2	19	81.0	1026		7.465625	
7	2	19	51.6	1961		9.161017	
8	3	19	60.8	1203	1945	10.083081	
9	3	19	73.8	1591	1008	11.805926	

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	15	83.2			0.002887	1
1	2	15	82.4	1560		2.224649	
2	2	15	93.6	1686		3.093180	
3	2	15	57.4	1684		4.257555	
4	2	15	89.5	1376		5.483029	
5	2	15	98.6	1283		6.131405	
6	2	15	67.6	1287		7.814986	
7	3	15	97.9	1869	1462	9.468598	
8	3	15	73.3	1564	1139	10.467119	
9	2	15	91.5	1321		11.660584	

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	7	66.8			0.225539	1
1	3	7	60.3	1706	1577	0.950515	
2	1	7	94.6			2.208181	
3	2	7	66.8	1961		3.042294	
4	3	7	95.2	1238	1318	3.781991	
5	1	7	84.0			4.810276	
6	1	7	99.2			5.608494	
7	2	7	95.1	1082		6.838107	
8	2	7	63.6	1329		7.585689	
9	2	7	75.7	1601		8.355583	
10	1	7	80.3			9.265976	
11	1	7	61.4			10.864374	
12	3	7	71.7	1474	1580	11.595637	

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	15	87.1			0.858522	
1	1	15	83.4			1.621261	
2	2	15	73.5	1435		3.039904	
3	2	15	86.8	1710		4.285863	
4	2	15	67.0	1690		5.388929	
5	1	15	92.5			5.478642	1
6	3	15	64.1	1084	1883	6.620355	
7	2	15	65.8	1788		8.226577	
8	2	15	63.5	1032		9.231940	
9	2	15	93.7	1190		10.788843	
10	2	15	99.5	1766		11.569324	

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	7	60.4	1896		0.091529	
1	2	7	89.4	1971		0.624161	
2	2	7	85.9	1209		1.321990	
3	2	7	92.1	1368		1.850315	
4	1	7	72.7			2.933664	
5	2	7	76.7	1674		3.471995	
6	1	7	64.0			3.744093	
7	3	7	71.4	1078	1561	4.783855	
8	3	7	74.4	1692	1509	5.047576	
9	3	7	69.8	1284	1036	5.424343	
10	2	7	95.5	1604		6.366398	1
11	1	7	97.9			6.999003	
12	1	7	97.9			7.701539	
13	2	7	69.8	1785		8.046398	
14	2	7	80.0	1983		8.585437	
15	1	7	70.4			9.228672	
16	3	7	64.1	1540	1426	9.876622	
17	2	7	57.4	1290		10.307494	
18	3	7	75.2	1712	1228	11.337372	
19	2	7	87.6	1235		11.696910	

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	10	88.7	1799	1031	1.178984	1
1	1	10	90.6			2.098158	
2	2	10	69.7	1127		2.470015	
3	1	10	59.8			3.955847	
4	2	10	93.3	1964		5.161262	
5	3	10	91.3	1075	1925	6.569706	
6	2	10	71.5	1709		7.551017	
7	2	10	70.3	1965		9.287923	
8	2	10	72.5	1083		10.109494	
9	1	10	79.0			11.590140	

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	20	66.0	1141		0.600159	1
1	3	20	96.7	1381	1147	0.849696	
2	1	20	66.9			2.070289	
3	2	20	52.9	1667		2.222100	
4	3	20	82.5	1378	1970	3.074154	
5	2	20	79.0	1892		4.103668	
6	1	20	66.4			4.822397	
7	2	20	71.4	1906		5.588298	
8	1	20	86.8			6.312938	
9	1	20	72.7			6.574917	
10	2	20	98.6	1595		7.345711	
11	3	20	72.2	1727	1825	8.088775	
12	3	20	94.8	1229	1165	8.556941	
13	3	20	52.2	1648	1266	9.298949	
14	3	20	68.1	1420	1986	9.947510	
15	2	20	78.3	1945		10.618323	
16	3	20	85.8	1638	1696	11.517490	

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	10	65.1	1147	1835	0.162273	1
1	2	10	87.9	1636		0.799647	
2	2	10	59.4	1081		1.697881	
3	3	10	51.4	1114	1613	2.381098	
4	3	10	70.3	1001	1731	2.860399	
5	3	10	75.4	1066	1252	3.892212	
6	3	10	54.4	1210	1140	4.086696	
7	3	10	59.8	1840	1132	4.741301	
8	2	10	69.1	1793		5.942059	
9	1	10	91.7			6.389961	
10	1	10	57.8			7.179671	
11	1	10	94.8			7.558096	
12	1	10	69.3			8.480885	
13	2	10	74.1	1975		9.116405	
14	1	10	97.2			9.747061	
15	2	10	50.7	1520		10.121742	
16	2	10	67.5	1060		10.765831	
17	2	10	99.5	1439		11.863643	

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	19	54.6	1869	1423	1.007053	1
1	1	19	90.3			1.421379	
2	2	19	52.8	1957		2.758152	
3	2	19	67.0	1436		4.070811	
4	3	19	91.7	1114	1738	4.413022	
5	1	19	86.7			6.354385	
6	2	19	77.3	1890		7.298801	
7	2	19	66.0	1563		8.312850	
8	2	19	67.2	1150		8.869267	
9	2	19	73.7	1594		9.851315	
10	3	19	52.1	1344	1676	11.967965	

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	82.7	1916		0.356897	
1	1	13	77.2			0.761993	
2	2	13	86.2	1118		1.666494	
3	2	13	61.5	1161		1.890594	
4	3	13	95.3	1027	1979	2.900193	
5	3	13	99.8	1301	1672	3.399393	
6	1	13	92.7			3.659975	
7	3	13	96.7	1912	1962	4.378079	
8	3	13	59.1	1073	1599	5.036522	
9	2	13	71.0	1237		5.636666	1
10	2	13	96.9	1717		6.120245	
11	3	13	76.8	1793	1064	7.076625	
12	2	13	59.7	1729		7.696766	
13	2	13	55.7	1095		8.174661	
14	3	13	69.9	1002	1206	8.727060	
15	1	13	70.3			9.021784	
16	2	13	81.7	1546		9.645001	
17	2	13	97.3	1688		10.563095	
18	2	13	60.0	1566		10.974310	
19	3	13	50.7	1823	1984	11.408693	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	90.0	1336		0.562997	
1	2	19	67.2	1931		1.685391	
2	1	19	81.7			2.555955	
3	2	19	73.6	1400		2.794817	
4	1	19	93.9			4.146359	
5	1	19	90.2			4.418867	
6	2	19	81.5	1457		5.594695	1
7	1	19	89.6			6.231626	
8	2	19	99.3	1066		7.092598	
9	3	19	74.6	1168	1374	8.085875	
10	2	19	50.5	1380		9.345726	
11	2	19	70.6	1960		10.220116	
12	3	19	58.5	1685	1863	10.767489	
13	3	19	88.4	1455	1177	11.395518	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	94.1	1463	1543	0.119598	
1	2	9	66.6	1269		1.060455	
2	3	9	80.2	1193	1848	1.546588	
3	2	9	75.9	1263		1.900079	
4	2	9	55.9	1854		2.875854	
5	1	9	62.8			3.499336	
6	1	9	56.2			3.838457	
7	2	9	84.4	1327		4.679716	
8	1	9	56.1			5.128159	
9	3	9	56.5	1889	1323	6.160677	1
10	1	9	64.8			6.669359	
11	1	9	67.3			6.983729	
12	3	9	73.1	1223	1602	7.977343	
13	1	9	74.1			8.294666	
14	3	9	61.8	1651	1506	9.029781	
15	3	9	84.6	1158	1608	9.994269	
16	2	9	53.8	1092		10.576793	
17	1	9	53.5			11.174009	
18	2	9	76.6	1928		11.948005	

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	77.1	1088		0.538395	1
1	3	17	82.3	1683	1456	1.320372	
2	3	17	65.1	1574	1704	3.214246	
3	1	17	63.3			4.326850	
4	3	17	86.8	1105	1868	5.326653	
5	2	17	90.6	1589		5.556348	
6	2	17	53.7	1257		7.600802	
7	2	17	76.0	1869		7.639636	
8	2	17	50.1	1324		9.001364	
9	2	17	68.9	1459		9.830656	
10	3	17	69.9	1831	1783	11.315693	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	97.5	1978	1758	1.122610	1
1	2	12	59.5	1787		2.528930	
2	2	12	69.8	1647		3.363561	
3	3	12	56.1	1153	1845	4.573968	
4	3	12	78.6	1637	1459	7.123512	
5	1	12	52.9			8.216971	
6	1	12	71.4			10.224806	
7	2	12	73.9	1691		11.214010	

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	17	89.7			0.397454	
1	2	17	78.6	1193		1.835872	
2	3	17	89.0	1849	1202	3.833981	
3	3	17	84.1	1285	1452	4.187082	
4	3	17	84.3	1265	1537	5.681711	1
5	3	17	73.8	1232	1454	6.931112	
6	2	17	52.0	1593		8.026298	
7	3	17	58.4	1283	1511	9.428191	
8	1	17	74.5			11.709473	

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	17	52.1	1776		0.927694	
1	1	17	82.5			1.722131	
2	2	17	98.2	1158		2.834633	
3	1	17	60.7			4.095136	
4	2	17	98.6	1757		6.316064	1
5	1	17	85.3			6.861158	
6	1	17	64.3			8.542444	
7	2	17	60.4	1140		10.437103	
8	2	17	93.5	1907		11.141276	

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	20	84.0			0.546237	
1	2	20	63.1	1806		2.081100	
2	2	20	82.6	1055		3.146920	
3	2	20	78.9	1928		4.174293	
4	3	20	92.9	1730	1664	6.053719	1
5	2	20	86.9	1475		7.331201	
6	3	20	62.4	1329	1438	9.271563	
7	2	20	52.6	1075		10.141560	
8	1	20	61.8			11.718384	

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	16	75.5	1690		0.383662	
1	3	16	65.0	1752	1998	1.194971	
2	2	16	86.4	1800		2.231665	
3	2	16	55.5	1640		3.891661	
4	3	16	85.0	1616	1758	4.977216	
5	2	16	99.3	1230		5.057993	
6	1	16	84.3			6.241301	1
7	2	16	70.2	1462		7.288758	
8	2	16	96.3	1115		8.382942	
9	2	16	62.2	1882		9.306179	
10	3	16	95.3	1460	1013	10.413858	
11	3	16	64.2	1174	1525	11.783056	

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	13	54.1	1444		0.045103	
1	1	13	67.8			0.985826	
2	2	13	69.1	1651		1.827123	
3	3	13	89.1	1660	1299	2.177894	
4	3	13	56.2	1058	1344	3.426423	
5	3	13	63.8	1907	1180	4.036959	
6	2	13	87.3	1500		4.836553	
7	2	13	83.9	1015		5.381886	
8	2	13	91.0	1665		5.666653	1
9	2	13	89.1	1456		6.998085	
10	3	13	99.9	1605	1821	7.350695	
11	2	13	93.7	1039		7.768705	
12	2	13	83.7	1981		8.993076	
13	2	13	63.8	1888		9.320734	
14	2	13	92.7	1422		10.082945	
15	1	13	99.5			11.216457	
16	3	13	99.2	1972	1707	11.759247	

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	5427.0, 5715.0, 5328.0, 5426.0, 5263.0, 5379.0, 5287.0, 5378.0, 5583.0, 5424.0, 5251.0, 5315.0, 5507.0, 5442.0, 5660.0, 5385.0, 5543.0, 5577.0, 5530.0, 5262.0, 5615.0, 5376.0, 5476.0, 5553.0, 5261.0, 5255.0, 5622.0, 5712.0, 5501.0, 5667.0, 5504.0, 5405.0, 5463.0, 5459.0, 5349.0, 5575.0, 5479.0, 5718.0, 5270.0, 5369.0, 5468.0, 5493.0, 5610.0, 5453.0, 5305.0, 5702.0, 5386.0, 5631.0, 5710.0, 5458.0, 5672.0, 5645.0, 5472.0, 5327.0, 5627.0, 5460.0, 5417.0, 5711.0, 5265.0, 5571.0, 5322.0, 5341.0, 5398.0, 5716.0, 5470.0, 5351.0, 5319.0, 5566.0, 5336.0, 5354.0, 5499.0, 5397.0, 5659.0, 5722.0, 5288.0, 5339.0, 5264.0, 5452.0, 5618.0, 5540.0, 5313.0, 5306.0, 5483.0, 5546.0, 5517.0, 5721.0, 5259.0, 5271.0, 5579.0, 5411.0, 5474.0, 5496.0, 5256.0, 5490.0, 5648.0, 5276.0, 5337.0, 5286.0, 5297.0, 5503.0 (number of hits: 8)
2	5500.0	9	1.0	333	0	
3	5500.0	9	1.0	333	1	5328.0, 5580.0, 5257.0, 5475.0, 5618.0, 5305.0, 5332.0, 5602.0, 5570.0, 5633.0, 5471.0, 5274.0, 5560.0, 5494.0, 5399.0, 5480.0, 5286.0, 5705.0, 5531.0, 5307.0, 5528.0, 5635.0, 5714.0, 5445.0, 5487.0, 5289.0, 5676.0, 5630.0, 5586.0, 5709.0, 5346.0, 5492.0, 5533.0, 5269.0, 5331.0, 5527.0, 5661.0, 5468.0, 5505.0, 5592.0, 5501.0, 5540.0, 5425.0, 5266.0, 5466.0, 5398.0, 5678.0, 5581.0, 5300.0, 5482.0, 5584.0, 5450.0, 5369.0, 5562.0, 5578.0, 5672.0, 5607.0, 5383.0, 5490.0, 5665.0, 5396.0, 5326.0, 5690.0, 5624.0, 5539.0, 5674.0, 5702.0, 5568.0, 5609.0, 5550.0, 5283.0, 5502.0, 5514.0, 5595.0, 5273.0, 5370.0, 5382.0, 5587.0, 5610.0, 5279.0, 5646.0, 5520.0, 5689.0, 5538.0, 5681.0, 5367.0, 5530.0, 5574.0, 5251.0, 5484.0, 5666.0, 5642.0, 5363.0, 5597.0, 5522.0, 5280.0, 5360.0, 5401.0, 5537.0, 5600.0 (number of hits: 6)
4	5500.0	9	1.0	333	1	5353.0, 5511.0, 5497.0, 5344.0, 5392.0, 5581.0, 5638.0, 5258.0, 5457.0, 5529.0, 5368.0, 5312.0, 5540.0, 5290.0, 5400.0, 5418.0, 5326.0, 5473.0, 5401.0, 5438.0, 5722.0, 5416.0, 5366.0, 5345.0, 5506.0, 5663.0, 5556.0, 5647.0, 5574.0, 5476.0, 5398.0, 5588.0, 5346.0, 5379.0, 5578.0, 5317.0, 5562.0, 5633.0, 5393.0, 5652.0, 5348.0, 5510.0, 5542.0, 5319.0, 5405.0, 5584.0, 5708.0, 5648.0, 5451.0, 5408.0, 5600.0, 5422.0, 5503.0, 5504.0, 5414.0, 5327.0, 5339.0, 5272.0, 5541.0, 5280.0, 5432.0, 5316.0, 5463.0, 5674.0, 5619.0, 5672.0, 5608.0, 5713.0, 5328.0, 5264.0, 5292.0, 5297.0, 5376.0, 5489.0, 5310.0, 5419.0, 5491.0, 5688.0, 5519.0, 5684.0, 5610.0, 5554.0, 5534.0, 5520.0, 5579.0, 5307.0, 5303.0, 5383.0, 5268.0, 5372.0, 5262.0, 5259.0, 5406.0, 5712.0, 5464.0, 5670.0, 5585.0, 5253.0, 5341.0, 5653.0 (number of hits: 5)
5	5500.0	9	1.0	333	1	5360.0, 5644.0, 5536.0, 5309.0, 5617.0, 5376.0, 5684.0, 5671.0, 5341.0, 5295.0, 5276.0, 5583.0, 5690.0, 5260.0, 5609.0, 5722.0, 5646.0, 5576.0, 5423.0, 5418.0, 5413.0, 5271.0, 5358.0, 5716.0, 5297.0, 5419.0, 5681.0, 5695.0, 5343.0, 5394.0, 5310.0, 5291.0, 5660.0, 5632.0, 5535.0, 5623.0, 5266.0, 5558.0, 5273.0, 5448.0, 5493.0, 5270.0, 5492.0, 5256.0, 5542.0, 5490.0, 5340.0, 5638.0, 5380.0, 5584.0, 5407.0, 5654.0, 5375.0, 5618.0, 5316.0, 5402.0, 5569.0, 5611.0, 5585.0, 5350.0, 5607.0, 5422.0, 5287.0,

						5531.0, 5314.0, 5348.0, 5545.0, 5522.0, 5600.0, 5397.0, 5575.0, 5574.0, 5649.0, 5641.0, 5478.0, 5382.0, 5462.0, 5505.0, 5471.0, 5268.0, 5292.0, 5319.0, 5587.0, 5507.0, 5262.0, 5349.0, 5399.0, 5590.0, 5389.0, 5543.0, 5670.0, 5353.0, 5588.0, 5374.0, 5539.0, 5627.0, 5566.0, 5472.0, 5404.0, 5508.0 (number of hits: 6)
6	5500.0	9	1.0	333	0	
7	5500.0	9	1.0	333	1	5377.0, 5272.0, 5436.0, 5326.0, 5316.0, 5588.0, 5385.0, 5294.0, 5357.0, 5693.0, 5469.0, 5641.0, 5371.0, 5467.0, 5277.0, 5538.0, 5301.0, 5617.0, 5393.0, 5439.0, 5536.0, 5390.0, 5671.0, 5708.0, 5492.0, 5429.0, 5333.0, 5722.0, 5542.0, 5630.0, 5625.0, 5332.0, 5293.0, 5578.0, 5337.0, 5419.0, 5507.0, 5606.0, 5276.0, 5285.0, 5327.0, 5707.0, 5407.0, 5324.0, 5649.0, 5589.0, 5645.0, 5269.0, 5639.0, 5454.0, 5428.0, 5311.0, 5646.0, 5634.0, 5714.0, 5341.0, 5398.0, 5415.0, 5395.0, 5620.0, 5528.0, 5452.0, 5720.0, 5533.0, 5563.0, 5446.0, 5555.0, 5424.0, 5273.0, 5410.0, 5529.0, 5354.0, 5527.0, 5319.0, 5566.0, 5417.0, 5530.0, 5394.0, 5662.0, 5654.0, 5334.0, 5612.0, 5325.0, 5312.0, 5307.0, 5677.0, 5709.0, 5317.0, 5367.0, 5655.0, 5314.0, 5695.0, 5571.0, 5457.0, 5660.0, 5515.0, 5349.0, 5496.0, 5546.0, 5426.0 (number of hits: 3)
8	5500.0	9	1.0	333	1	5474.0, 5509.0, 5676.0, 5665.0, 5320.0, 5361.0, 5710.0, 5708.0, 5394.0, 5514.0, 5260.0, 5657.0, 5638.0, 5723.0, 5532.0, 5544.0, 5612.0, 5324.0, 5400.0, 5307.0, 5645.0, 5715.0, 5488.0, 5454.0, 5564.0, 5402.0, 5508.0, 5424.0, 5531.0, 5450.0, 5340.0, 5662.0, 5664.0, 5253.0, 5327.0, 5519.0, 5604.0, 5329.0, 5685.0, 5579.0, 5381.0, 5712.0, 5494.0, 5506.0, 5420.0, 5541.0, 5443.0, 5468.0, 5309.0, 5703.0, 5447.0, 5481.0, 5384.0, 5502.0, 5440.0, 5310.0, 5476.0, 5656.0, 5401.0, 5678.0, 5331.0, 5302.0, 5332.0, 5608.0, 5714.0, 5459.0, 5702.0, 5516.0, 5603.0, 5490.0, 5472.0, 5303.0, 5713.0, 5653.0, 5314.0, 5464.0, 5540.0, 5626.0, 5643.0, 5658.0, 5634.0, 5444.0, 5513.0, 5568.0, 5259.0, 5633.0, 5282.0, 5471.0, 5346.0, 5458.0, 5382.0, 5373.0, 5504.0, 5268.0, 5284.0, 5431.0, 5611.0, 5575.0, 5585.0, 5553.0 (number of hits: 7)
9	5500.0	9	1.0	333	1	5665.0, 5494.0, 5360.0, 5608.0, 5679.0, 5542.0, 5322.0, 5660.0, 5690.0, 5536.0, 5286.0, 5592.0, 5595.0, 5667.0, 5266.0, 5406.0, 5469.0, 5587.0, 5635.0, 5590.0, 5479.0, 5569.0, 5270.0, 5567.0, 5560.0, 5349.0, 5447.0, 5276.0, 5648.0, 5431.0, 5612.0, 5255.0, 5639.0, 5407.0, 5559.0, 5425.0, 5440.0, 5657.0, 5388.0, 5638.0, 5318.0, 5354.0, 5583.0, 5332.0, 5400.0, 5670.0, 5397.0, 5556.0, 5708.0, 5385.0, 5419.0, 5664.0, 5621.0, 5464.0, 5378.0, 5576.0, 5334.0, 5448.0, 5562.0, 5706.0, 5435.0, 5442.0, 5470.0, 5696.0, 5324.0, 5693.0, 5317.0, 5534.0, 5260.0, 5493.0, 5262.0, 5502.0, 5402.0, 5609.0, 5462.0, 5547.0, 5423.0, 5361.0, 5517.0, 5677.0, 5649.0, 5359.0, 5581.0, 5552.0, 5412.0, 5328.0, 5532.0, 5478.0, 5497.0, 5382.0, 5501.0, 5320.0, 5401.0, 5376.0, 5597.0, 5283.0, 5369.0, 5544.0, 5329.0, 5685.0 (number of hits: 5)
10	5500.0	9	1.0	333	1	5433.0, 5351.0, 5605.0, 5286.0, 5642.0, 5660.0, 5522.0, 5412.0, 5332.0, 5689.0, 5405.0, 5305.0, 5367.0, 5477.0, 5677.0, 5589.0, 5510.0, 5296.0, 5551.0, 5534.0, 5484.0, 5489.0, 5451.0, 5256.0, 5291.0, 5356.0, 5528.0, 5631.0, 5722.0, 5418.0, 5628.0, 5587.0, 5462.0, 5269.0, 5614.0, 5360.0, 5599.0, 5382.0, 5323.0, 5428.0, 5490.0, 5463.0, 5471.0, 5447.0, 5641.0, 5307.0, 5448.0, 5717.0, 5266.0, 5379.0, 5391.0, 5394.0, 5289.0, 5486.0, 5350.0, 5342.0, 5277.0, 5330.0, 5258.0, 5456.0, 5470.0, 5620.0, 5542.0,

						5299.0, 5703.0, 5446.0, 5411.0, 5543.0, 5684.0, 5541.0, 5283.0, 5347.0, 5679.0, 5343.0, 5374.0, 5348.0, 5440.0, 5669.0, 5270.0, 5431.0, 5567.0, 5508.0, 5593.0, 5602.0, 5573.0, 5316.0, 5533.0, 5524.0, 5424.0, 5450.0, 5663.0, 5483.0, 5354.0, 5495.0, 5392.0, 5314.0, 5600.0, 5493.0, 5385.0, 5434.0 (number of hits: 4)
11	5500.0	9	1.0	333	1	5686.0, 5383.0, 5553.0, 5509.0, 5391.0, 5712.0, 5318.0, 5531.0, 5556.0, 5695.0, 5644.0, 5585.0, 5633.0, 5661.0, 5594.0, 5641.0, 5703.0, 5477.0, 5284.0, 5296.0, 5396.0, 5365.0, 5355.0, 5316.0, 5310.0, 5679.0, 5254.0, 5455.0, 5579.0, 5615.0, 5654.0, 5537.0, 5495.0, 5458.0, 5373.0, 5480.0, 5322.0, 5719.0, 5566.0, 5568.0, 5669.0, 5380.0, 5289.0, 5608.0, 5353.0, 5270.0, 5666.0, 5328.0, 5662.0, 5522.0, 5424.0, 5445.0, 5713.0, 5577.0, 5311.0, 5474.0, 5437.0, 5667.0, 5415.0, 5691.0, 5444.0, 5705.0, 5315.0, 5463.0, 5723.0, 5683.0, 5426.0, 5308.0, 5677.0, 5656.0, 5711.0, 5658.0, 5347.0, 5417.0, 5706.0, 5623.0, 5516.0, 5439.0, 5331.0, 5618.0, 5302.0, 5428.0, 5338.0, 5604.0, 5559.0, 5527.0, 5486.0, 5395.0, 5343.0, 5349.0, 5574.0, 5375.0, 5590.0, 5290.0, 5263.0, 5447.0, 5622.0, 5356.0, 5275.0, 5645.0 (number of hits: 2)
12	5500.0	9	1.0	333	1	5343.0, 5623.0, 5620.0, 5310.0, 5403.0, 5665.0, 5686.0, 5304.0, 5430.0, 5721.0, 5344.0, 5464.0, 5656.0, 5382.0, 5256.0, 5446.0, 5532.0, 5622.0, 5428.0, 5375.0, 5705.0, 5644.0, 5381.0, 5476.0, 5345.0, 5703.0, 5466.0, 5605.0, 5537.0, 5324.0, 5685.0, 5563.0, 5536.0, 5579.0, 5520.0, 5630.0, 5333.0, 5565.0, 5273.0, 5575.0, 5600.0, 5507.0, 5613.0, 5433.0, 5364.0, 5618.0, 5472.0, 5550.0, 5670.0, 5560.0, 5505.0, 5601.0, 5267.0, 5379.0, 5365.0, 5635.0, 5350.0, 5534.0, 5611.0, 5541.0, 5549.0, 5400.0, 5695.0, 5722.0, 5636.0, 5521.0, 5300.0, 5426.0, 5477.0, 5404.0, 5432.0, 5553.0, 5384.0, 5581.0, 5625.0, 5681.0, 5332.0, 5545.0, 5646.0, 5489.0, 5691.0, 5487.0, 5585.0, 5682.0, 5335.0, 5439.0, 5535.0, 5503.0, 5580.0, 5413.0, 5444.0, 5369.0, 5698.0, 5449.0, 5366.0, 5392.0, 5390.0, 5337.0, 5715.0, 5558.0 (number of hits: 3)
13	5500.0	9	1.0	333	1	5253.0, 5663.0, 5650.0, 5525.0, 5355.0, 5449.0, 5289.0, 5374.0, 5501.0, 5544.0, 5622.0, 5700.0, 5303.0, 5454.0, 5498.0, 5460.0, 5294.0, 5419.0, 5444.0, 5272.0, 5377.0, 5302.0, 5343.0, 5580.0, 5511.0, 5554.0, 5559.0, 5369.0, 5329.0, 5354.0, 5396.0, 5676.0, 5633.0, 5655.0, 5433.0, 5653.0, 5415.0, 5260.0, 5386.0, 5630.0, 5591.0, 5707.0, 5648.0, 5679.0, 5517.0, 5356.0, 5307.0, 5601.0, 5446.0, 5301.0, 5658.0, 5709.0, 5280.0, 5293.0, 5387.0, 5413.0, 5429.0, 5267.0, 5509.0, 5414.0, 5385.0, 5390.0, 5475.0, 5599.0, 5641.0, 5598.0, 5636.0, 5718.0, 5265.0, 5552.0, 5588.0, 5534.0, 5398.0, 5576.0, 5680.0, 5635.0, 5320.0, 5306.0, 5330.0, 5644.0, 5384.0, 5484.0, 5515.0, 5452.0, 5370.0, 5632.0, 5313.0, 5590.0, 5309.0, 5665.0, 5526.0, 5254.0, 5310.0, 5513.0, 5365.0, 5381.0, 5682.0, 5593.0, 5497.0, 5535.0 (number of hits: 4)
14	5500.0	9	1.0	333	1	5665.0, 5542.0, 5672.0, 5508.0, 5403.0, 5477.0, 5675.0, 5613.0, 5262.0, 5261.0, 5535.0, 5624.0, 5607.0, 5467.0, 5452.0, 5667.0, 5533.0, 5313.0, 5512.0, 5323.0, 5288.0, 5259.0, 5314.0, 5442.0, 5584.0, 5693.0, 5597.0, 5663.0, 5635.0, 5297.0, 5723.0, 5540.0, 5527.0, 5265.0, 5392.0, 5472.0, 5447.0, 5523.0, 5577.0, 5587.0, 5630.0, 5699.0, 5594.0, 5513.0, 5250.0, 5390.0, 5321.0, 5519.0, 5455.0, 5684.0, 5342.0, 5266.0, 5305.0, 5497.0, 5457.0, 5337.0, 5641.0, 5428.0, 5659.0, 5485.0, 5493.0, 5439.0, 5509.0, 5564.0, 5397.0, 5546.0, 5282.0, 5711.0, 5471.0, 5491.0,

						5591.0, 5640.0, 5605.0, 5498.0, 5580.0, 5541.0, 5582.0, 5324.0, 5490.0, 5414.0, 5274.0, 5616.0, 5646.0, 5358.0, 5572.0, 5492.0, 5293.0, 5673.0, 5436.0, 5637.0, 5689.0, 5462.0, 5347.0, 5515.0, 5536.0, 5583.0, 5371.0, 5383.0, 5425.0, 5415.0 (number of hits: 8)
15	5500.0	9	1.0	333	1	5651.0, 5637.0, 5719.0, 5600.0, 5274.0, 5673.0, 5417.0, 5294.0, 5483.0, 5589.0, 5528.0, 5464.0, 5615.0, 5564.0, 5518.0, 5532.0, 5463.0, 5319.0, 5256.0, 5342.0, 5635.0, 5311.0, 5492.0, 5279.0, 5686.0, 5343.0, 5700.0, 5572.0, 5393.0, 5554.0, 5629.0, 5639.0, 5548.0, 5262.0, 5257.0, 5474.0, 5314.0, 5469.0, 5538.0, 5291.0, 5661.0, 5571.0, 5710.0, 5699.0, 5285.0, 5613.0, 5706.0, 5307.0, 5636.0, 5682.0, 5318.0, 5690.0, 5424.0, 5325.0, 5445.0, 5341.0, 5411.0, 5577.0, 5350.0, 5618.0, 5660.0, 5643.0, 5578.0, 5462.0, 5353.0, 5530.0, 5555.0, 5331.0, 5664.0, 5461.0, 5657.0, 5423.0, 5594.0, 5585.0, 5624.0, 5689.0, 5487.0, 5419.0, 5475.0, 5387.0, 5370.0, 5665.0, 5398.0, 5425.0, 5439.0, 5709.0, 5292.0, 5707.0, 5435.0, 5437.0, 5499.0, 5289.0, 5454.0, 5385.0, 5642.0, 5681.0, 5407.0, 5401.0, 5391.0, 5685.0 (number of hits: 2)
16	5500.0	9	1.0	333	1	5403.0, 5353.0, 5534.0, 5694.0, 5290.0, 5682.0, 5606.0, 5274.0, 5374.0, 5566.0, 5692.0, 5634.0, 5293.0, 5443.0, 5369.0, 5671.0, 5373.0, 5543.0, 5570.0, 5596.0, 5382.0, 5721.0, 5492.0, 5400.0, 5478.0, 5638.0, 5434.0, 5395.0, 5654.0, 5646.0, 5464.0, 5399.0, 5711.0, 5321.0, 5397.0, 5714.0, 5349.0, 5587.0, 5297.0, 5264.0, 5695.0, 5440.0, 5391.0, 5555.0, 5531.0, 5289.0, 5713.0, 5480.0, 5699.0, 5285.0, 5327.0, 5425.0, 5251.0, 5253.0, 5475.0, 5432.0, 5544.0, 5441.0, 5335.0, 5637.0, 5260.0, 5263.0, 5511.0, 5333.0, 5354.0, 5414.0, 5378.0, 5565.0, 5337.0, 5539.0, 5625.0, 5342.0, 5677.0, 5377.0, 5629.0, 5572.0, 5551.0, 5535.0, 5453.0, 5693.0, 5559.0, 5436.0, 5308.0, 5296.0, 5381.0, 5466.0, 5608.0, 5532.0, 5588.0, 5407.0, 5517.0, 5715.0, 5561.0, 5437.0, 5435.0, 5667.0, 5255.0, 5471.0, 5479.0, 5346.0 (number of hits: 1)
17	5500.0	9	1.0	333	1	5681.0, 5555.0, 5720.0, 5528.0, 5288.0, 5557.0, 5551.0, 5663.0, 5602.0, 5710.0, 5425.0, 5457.0, 5597.0, 5422.0, 5689.0, 5569.0, 5471.0, 5277.0, 5692.0, 5324.0, 5436.0, 5497.0, 5440.0, 5519.0, 5465.0, 5596.0, 5453.0, 5680.0, 5593.0, 5629.0, 5274.0, 5654.0, 5638.0, 5639.0, 5478.0, 5503.0, 5495.0, 5439.0, 5619.0, 5502.0, 5309.0, 5280.0, 5326.0, 5475.0, 5470.0, 5325.0, 5312.0, 5463.0, 5588.0, 5466.0, 5700.0, 5251.0, 5397.0, 5335.0, 5580.0, 5668.0, 5606.0, 5641.0, 5483.0, 5723.0, 5498.0, 5656.0, 5327.0, 5345.0, 5694.0, 5614.0, 5704.0, 5687.0, 5507.0, 5287.0, 5699.0, 5295.0, 5542.0, 5355.0, 5620.0, 5366.0, 5649.0, 5438.0, 5447.0, 5292.0, 5267.0, 5358.0, 5625.0, 5671.0, 5667.0, 5285.0, 5717.0, 5377.0, 5372.0, 5492.0, 5715.0, 5380.0, 5434.0, 5524.0, 5621.0, 5570.0, 5560.0, 5330.0, 5650.0, 5430.0 (number of hits: 7)
18	5500.0	9	1.0	333	1	5520.0, 5550.0, 5399.0, 5565.0, 5546.0, 5586.0, 5483.0, 5308.0, 5548.0, 5634.0, 5529.0, 5312.0, 5675.0, 5292.0, 5667.0, 5421.0, 5363.0, 5364.0, 5257.0, 5390.0, 5497.0, 5306.0, 5590.0, 5661.0, 5613.0, 5337.0, 5286.0, 5502.0, 5371.0, 5710.0, 5437.0, 5517.0, 5411.0, 5270.0, 5537.0, 5458.0, 5259.0, 5305.0, 5685.0, 5522.0, 5614.0, 5382.0, 5303.0, 5698.0, 5454.0, 5431.0, 5410.0, 5701.0, 5268.0, 5719.0, 5629.0, 5465.0, 5398.0, 5395.0, 5505.0, 5616.0, 5412.0, 5623.0, 5707.0, 5625.0, 5702.0, 5557.0, 5578.0, 5468.0, 5671.0, 5542.0, 5504.0, 5285.0, 5636.0, 5397.0, 5347.0, 5491.0, 5713.0, 5401.0, 5644.0, 5558.0, 5315.0,

						5441.0, 5492.0, 5499.0, 5262.0, 5650.0, 5339.0, 5592.0, 5647.0, 5507.0, 5567.0, 5440.0, 5283.0, 5521.0, 5385.0, 5348.0, 5378.0, 5583.0, 5278.0, 5575.0, 5547.0, 5464.0, 5430.0, 5509.0 (number of hits: 9)
19	5500.0	9	1.0	333	1	5508.0, 5702.0, 5311.0, 5556.0, 5576.0, 5505.0, 5392.0, 5647.0, 5431.0, 5442.0, 5338.0, 5297.0, 5481.0, 5713.0, 5581.0, 5486.0, 5475.0, 5369.0, 5626.0, 5498.0, 5365.0, 5315.0, 5710.0, 5578.0, 5641.0, 5432.0, 5345.0, 5312.0, 5686.0, 5611.0, 5704.0, 5406.0, 5661.0, 5276.0, 5382.0, 5519.0, 5429.0, 5514.0, 5668.0, 5457.0, 5489.0, 5470.0, 5393.0, 5460.0, 5466.0, 5657.0, 5357.0, 5346.0, 5296.0, 5387.0, 5412.0, 5379.0, 5436.0, 5430.0, 5586.0, 5714.0, 5527.0, 5689.0, 5633.0, 5415.0, 5631.0, 5699.0, 5478.0, 5525.0, 5656.0, 5507.0, 5678.0, 5612.0, 5280.0, 5715.0, 5328.0, 5614.0, 5344.0, 5645.0, 5642.0, 5490.0, 5426.0, 5420.0, 5350.0, 5468.0, 5662.0, 5512.0, 5294.0, 5651.0, 5302.0, 5358.0, 5281.0, 5526.0, 5652.0, 5669.0, 5531.0, 5598.0, 5499.0, 5688.0, 5321.0, 5303.0, 5304.0, 5534.0, 5378.0, 5552.0 (number of hits: 6)
20	5500.0	9	1.0	333	1	5501.0, 5260.0, 5293.0, 5678.0, 5367.0, 5639.0, 5382.0, 5541.0, 5597.0, 5592.0, 5372.0, 5719.0, 5457.0, 5526.0, 5341.0, 5333.0, 5318.0, 5585.0, 5385.0, 5674.0, 5316.0, 5470.0, 5437.0, 5456.0, 5433.0, 5555.0, 5575.0, 5355.0, 5348.0, 5280.0, 5672.0, 5503.0, 5699.0, 5567.0, 5691.0, 5492.0, 5381.0, 5538.0, 5304.0, 5666.0, 5258.0, 5558.0, 5394.0, 5559.0, 5352.0, 5564.0, 5574.0, 5315.0, 5677.0, 5665.0, 5465.0, 5722.0, 5364.0, 5588.0, 5323.0, 5295.0, 5649.0, 5360.0, 5398.0, 5591.0, 5475.0, 5322.0, 5487.0, 5477.0, 5701.0, 5450.0, 5299.0, 5509.0, 5546.0, 5651.0, 5600.0, 5375.0, 5337.0, 5473.0, 5365.0, 5354.0, 5472.0, 5256.0, 5685.0, 5485.0, 5520.0, 5542.0, 5277.0, 5279.0, 5338.0, 5573.0, 5660.0, 5402.0, 5427.0, 5617.0, 5415.0, 5391.0, 5271.0, 5411.0, 5363.0, 5637.0, 5624.0, 5623.0, 5332.0, 5320.0 (number of hits: 4)
21	5500.0	9	1.0	333	1	5258.0, 5328.0, 5483.0, 5278.0, 5305.0, 5720.0, 5449.0, 5564.0, 5640.0, 5517.0, 5599.0, 5276.0, 5709.0, 5628.0, 5430.0, 5557.0, 5622.0, 5488.0, 5301.0, 5636.0, 5581.0, 5706.0, 5279.0, 5657.0, 5613.0, 5434.0, 5481.0, 5721.0, 5560.0, 5256.0, 5330.0, 5542.0, 5435.0, 5519.0, 5638.0, 5271.0, 5522.0, 5429.0, 5257.0, 5619.0, 5556.0, 5374.0, 5670.0, 5538.0, 5303.0, 5652.0, 5623.0, 5710.0, 5554.0, 5634.0, 5366.0, 5419.0, 5417.0, 5350.0, 5675.0, 5304.0, 5315.0, 5267.0, 5480.0, 5471.0, 5685.0, 5376.0, 5565.0, 5387.0, 5371.0, 5491.0, 5385.0, 5358.0, 5268.0, 5406.0, 5532.0, 5708.0, 5364.0, 5311.0, 5548.0, 5478.0, 5391.0, 5515.0, 5687.0, 5585.0, 5524.0, 5465.0, 5551.0, 5489.0, 5495.0, 5426.0, 5648.0, 5695.0, 5631.0, 5309.0, 5545.0, 5298.0, 5266.0, 5299.0, 5308.0, 5443.0, 5603.0, 5590.0, 5353.0, 5678.0 (number of hits: 2)
22	5500.0	9	1.0	333	1	5631.0, 5359.0, 5716.0, 5293.0, 5475.0, 5473.0, 5554.0, 5351.0, 5714.0, 5683.0, 5638.0, 5319.0, 5273.0, 5261.0, 5710.0, 5302.0, 5285.0, 5695.0, 5432.0, 5410.0, 5346.0, 5516.0, 5371.0, 5524.0, 5601.0, 5578.0, 5488.0, 5465.0, 5653.0, 5433.0, 5652.0, 5642.0, 5603.0, 5344.0, 5255.0, 5525.0, 5717.0, 5491.0, 5324.0, 5326.0, 5447.0, 5368.0, 5670.0, 5634.0, 5636.0, 5312.0, 5266.0, 5499.0, 5527.0, 5455.0, 5423.0, 5401.0, 5680.0, 5292.0, 5300.0, 5625.0, 5513.0, 5659.0, 5579.0, 5404.0, 5272.0, 5551.0, 5373.0, 5660.0, 5668.0, 5505.0, 5408.0, 5416.0, 5340.0, 5347.0, 5260.0, 5650.0, 5562.0, 5702.0, 5520.0, 5609.0, 5425.0, 5548.0, 5627.0, 5605.0, 5529.0, 5522.0, 5518.0, 5375.0,

						5295.0, 5369.0, 5568.0, 5402.0, 5678.0, 5310.0, 5296.0, 5274.0, 5681.0, 5251.0, 5258.0, 5462.0, 5420.0, 5519.0, 5328.0, 5694.0 (number of hits: 3)
23	5500.0	9	1.0	333	1	5369.0, 5419.0, 5314.0, 5375.0, 5638.0, 5321.0, 5593.0, 5624.0, 5554.0, 5679.0, 5285.0, 5648.0, 5481.0, 5584.0, 5305.0, 5486.0, 5615.0, 5338.0, 5500.0, 5428.0, 5557.0, 5718.0, 5435.0, 5466.0, 5617.0, 5649.0, 5254.0, 5455.0, 5282.0, 5462.0, 5570.0, 5422.0, 5572.0, 5502.0, 5586.0, 5459.0, 5408.0, 5340.0, 5564.0, 5348.0, 5676.0, 5288.0, 5379.0, 5334.0, 5532.0, 5400.0, 5674.0, 5680.0, 5631.0, 5509.0, 5440.0, 5550.0, 5576.0, 5692.0, 5393.0, 5335.0, 5694.0, 5331.0, 5683.0, 5546.0, 5299.0, 5635.0, 5686.0, 5693.0, 5414.0, 5595.0, 5716.0, 5528.0, 5646.0, 5258.0, 5495.0, 5640.0, 5644.0, 5382.0, 5416.0, 5596.0, 5318.0, 5467.0, 5271.0, 5277.0, 5350.0, 5667.0, 5471.0, 5421.0, 5402.0, 5483.0, 5389.0, 5706.0, 5551.0, 5578.0, 5533.0, 5610.0, 5632.0, 5519.0, 5520.0, 5449.0, 5478.0, 5273.0, 5720.0, 5461.0 (number of hits: 4)
24	5500.0	9	1.0	333	1	5686.0, 5606.0, 5683.0, 5411.0, 5406.0, 5367.0, 5589.0, 5492.0, 5424.0, 5556.0, 5572.0, 5466.0, 5337.0, 5256.0, 5511.0, 5557.0, 5629.0, 5448.0, 5339.0, 5489.0, 5656.0, 5477.0, 5278.0, 5624.0, 5377.0, 5362.0, 5437.0, 5623.0, 5628.0, 5676.0, 5486.0, 5325.0, 5616.0, 5531.0, 5611.0, 5580.0, 5429.0, 5722.0, 5255.0, 5405.0, 5535.0, 5360.0, 5440.0, 5530.0, 5618.0, 5498.0, 5422.0, 5500.0, 5488.0, 5464.0, 5315.0, 5691.0, 5478.0, 5645.0, 5668.0, 5613.0, 5599.0, 5292.0, 5502.0, 5555.0, 5396.0, 5444.0, 5329.0, 5347.0, 5479.0, 5407.0, 5647.0, 5590.0, 5509.0, 5268.0, 5495.0, 5419.0, 5313.0, 5675.0, 5525.0, 5418.0, 5387.0, 5456.0, 5501.0, 5332.0, 5270.0, 5335.0, 5546.0, 5316.0, 5702.0, 5428.0, 5403.0, 5643.0, 5348.0, 5721.0, 5483.0, 5253.0, 5309.0, 5577.0, 5697.0, 5570.0, 5698.0, 5670.0, 5317.0, 5319.0 (number of hits: 7)
25	5500.0	9	1.0	333	1	5312.0, 5328.0, 5457.0, 5409.0, 5299.0, 5487.0, 5360.0, 5321.0, 5695.0, 5617.0, 5642.0, 5698.0, 5717.0, 5397.0, 5530.0, 5521.0, 5254.0, 5616.0, 5540.0, 5660.0, 5669.0, 5511.0, 5667.0, 5340.0, 5503.0, 5506.0, 5443.0, 5672.0, 5547.0, 5497.0, 5488.0, 5659.0, 5544.0, 5565.0, 5363.0, 5690.0, 5499.0, 5514.0, 5413.0, 5344.0, 5322.0, 5598.0, 5649.0, 5551.0, 5386.0, 5283.0, 5563.0, 5296.0, 5332.0, 5622.0, 5706.0, 5271.0, 5292.0, 5518.0, 5467.0, 5325.0, 5315.0, 5429.0, 5465.0, 5410.0, 5423.0, 5602.0, 5251.0, 5433.0, 5589.0, 5566.0, 5356.0, 5280.0, 5541.0, 5278.0, 5607.0, 5666.0, 5383.0, 5263.0, 5535.0, 5661.0, 5447.0, 5676.0, 5633.0, 5416.0, 5369.0, 5648.0, 5268.0, 5473.0, 5538.0, 5437.0, 5665.0, 5420.0, 5529.0, 5411.0, 5269.0, 5603.0, 5699.0, 5362.0, 5584.0, 5304.0, 5381.0, 5388.0, 5444.0, 5345.0 (number of hits: 4)
26	5500.0	9	1.0	333	1	5370.0, 5533.0, 5263.0, 5441.0, 5367.0, 5670.0, 5488.0, 5659.0, 5283.0, 5609.0, 5357.0, 5280.0, 5523.0, 5254.0, 5536.0, 5620.0, 5274.0, 5429.0, 5390.0, 5311.0, 5570.0, 5581.0, 5255.0, 5457.0, 5669.0, 5431.0, 5358.0, 5314.0, 5719.0, 5478.0, 5364.0, 5436.0, 5710.0, 5375.0, 5344.0, 5402.0, 5324.0, 5624.0, 5535.0, 5309.0, 5312.0, 5690.0, 5355.0, 5665.0, 5676.0, 5700.0, 5668.0, 5479.0, 5521.0, 5325.0, 5388.0, 5549.0, 5572.0, 5513.0, 5621.0, 5497.0, 5458.0, 5273.0, 5501.0, 5337.0, 5494.0, 5451.0, 5629.0, 5404.0, 5299.0, 5383.0, 5445.0, 5565.0, 5605.0, 5292.0, 5547.0, 5424.0, 5298.0, 5420.0, 5682.0, 5530.0, 5403.0, 5452.0, 5688.0, 5376.0, 5362.0, 5666.0, 5528.0, 5467.0, 5527.0, 5453.0, 5630.0, 5498.0, 5515.0, 5456.0, 5546.0,

						5615.0, 5571.0, 5293.0, 5275.0, 5627.0, 5393.0, 5278.0, 5511.0, 5329.0 (number of hits: 4)
27	5500.0	9	1.0	333	1	5268.0, 5681.0, 5271.0, 5657.0, 5274.0, 5343.0, 5433.0, 5515.0, 5532.0, 5457.0, 5569.0, 5316.0, 5254.0, 5564.0, 5553.0, 5294.0, 5633.0, 5364.0, 5292.0, 5276.0, 5662.0, 5520.0, 5317.0, 5306.0, 5661.0, 5322.0, 5660.0, 5365.0, 5584.0, 5630.0, 5682.0, 5471.0, 5651.0, 5676.0, 5546.0, 5541.0, 5567.0, 5649.0, 5531.0, 5460.0, 5441.0, 5384.0, 5687.0, 5599.0, 5336.0, 5722.0, 5396.0, 5435.0, 5589.0, 5533.0, 5287.0, 5712.0, 5299.0, 5358.0, 5668.0, 5494.0, 5447.0, 5403.0, 5583.0, 5574.0, 5498.0, 5345.0, 5518.0, 5452.0, 5361.0, 5480.0, 5500.0, 5545.0, 5648.0, 5418.0, 5670.0, 5683.0, 5321.0, 5655.0, 5388.0, 5701.0, 5499.0, 5347.0, 5635.0, 5483.0, 5607.0, 5488.0, 5395.0, 5539.0, 5517.0, 5455.0, 5425.0, 5478.0, 5511.0, 5477.0, 5298.0, 5501.0, 5340.0, 5627.0, 5489.0, 5445.0, 5547.0, 5486.0, 5625.0, 5632.0 (number of hits: 5)
28	5500.0	9	1.0	333	1	5338.0, 5671.0, 5678.0, 5521.0, 5398.0, 5673.0, 5512.0, 5389.0, 5441.0, 5394.0, 5500.0, 5326.0, 5481.0, 5302.0, 5295.0, 5608.0, 5392.0, 5447.0, 5477.0, 5411.0, 5457.0, 5287.0, 5635.0, 5628.0, 5613.0, 5281.0, 5378.0, 5407.0, 5514.0, 5472.0, 5460.0, 5655.0, 5404.0, 5652.0, 5614.0, 5273.0, 5461.0, 5518.0, 5381.0, 5505.0, 5393.0, 5283.0, 5654.0, 5450.0, 5605.0, 5421.0, 5510.0, 5502.0, 5351.0, 5586.0, 5420.0, 5588.0, 5560.0, 5650.0, 5540.0, 5593.0, 5507.0, 5458.0, 5724.0, 5509.0, 5506.0, 5452.0, 5352.0, 5589.0, 5347.0, 5567.0, 5278.0, 5297.0, 5358.0, 5371.0, 5689.0, 5522.0, 5264.0, 5577.0, 5615.0, 5590.0, 5572.0, 5282.0, 5580.0, 5349.0, 5541.0, 5534.0, 5427.0, 5318.0, 5454.0, 5444.0, 5519.0, 5544.0, 5272.0, 5359.0, 5606.0, 5307.0, 5487.0, 5330.0, 5489.0, 5434.0, 5366.0, 5649.0, 5592.0, 5399.0 (number of hits: 6)
29	5500.0	9	1.0	333	1	5525.0, 5437.0, 5535.0, 5558.0, 5320.0, 5554.0, 5614.0, 5371.0, 5617.0, 5595.0, 5304.0, 5478.0, 5471.0, 5664.0, 5289.0, 5453.0, 5691.0, 5272.0, 5539.0, 5466.0, 5642.0, 5724.0, 5438.0, 5444.0, 5676.0, 5275.0, 5460.0, 5398.0, 5581.0, 5261.0, 5531.0, 5421.0, 5277.0, 5491.0, 5476.0, 5274.0, 5252.0, 5263.0, 5322.0, 5502.0, 5622.0, 5548.0, 5297.0, 5452.0, 5310.0, 5541.0, 5583.0, 5280.0, 5644.0, 5657.0, 5663.0, 5647.0, 5302.0, 5311.0, 5292.0, 5493.0, 5457.0, 5422.0, 5410.0, 5352.0, 5650.0, 5649.0, 5602.0, 5306.0, 5696.0, 5501.0, 5307.0, 5718.0, 5605.0, 5688.0, 5350.0, 5592.0, 5661.0, 5505.0, 5521.0, 5264.0, 5552.0, 5459.0, 5351.0, 5394.0, 5598.0, 5567.0, 5565.0, 5634.0, 5536.0, 5695.0, 5399.0, 5510.0, 5378.0, 5430.0, 5495.0, 5527.0, 5533.0, 5454.0, 5433.0, 5411.0, 5305.0, 5282.0, 5651.0, 5629.0 (number of hits: 6)
30	5500.0	9	1.0	333	1	5574.0, 5621.0, 5423.0, 5352.0, 5560.0, 5514.0, 5513.0, 5313.0, 5509.0, 5592.0, 5378.0, 5644.0, 5598.0, 5685.0, 5471.0, 5558.0, 5426.0, 5424.0, 5693.0, 5439.0, 5280.0, 5375.0, 5303.0, 5633.0, 5347.0, 5626.0, 5596.0, 5292.0, 5495.0, 5466.0, 5692.0, 5437.0, 5670.0, 5576.0, 5341.0, 5723.0, 5708.0, 5649.0, 5659.0, 5557.0, 5368.0, 5608.0, 5648.0, 5385.0, 5586.0, 5475.0, 5327.0, 5418.0, 5566.0, 5612.0, 5614.0, 5408.0, 5684.0, 5703.0, 5325.0, 5486.0, 5529.0, 5609.0, 5677.0, 5548.0, 5493.0, 5392.0, 5372.0, 5518.0, 5361.0, 5450.0, 5485.0, 5376.0, 5525.0, 5448.0, 5686.0, 5358.0, 5302.0, 5540.0, 5287.0, 5389.0, 5709.0, 5386.0, 5531.0, 5308.0, 5286.0, 5431.0, 5682.0, 5555.0, 5353.0, 5616.0, 5697.0, 5326.0, 5679.0, 5267.0, 5661.0, 5606.0, 5345.0, 5294.0, 5379.0, 5270.0, 5699.0, 5539.0,

						5673.0, 5572.0 (number of hits: 3)

P2P Mode

Cobalt Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	73.3 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	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 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	83	1.0	638	1
2	95	1.0	558	1
3	18	1.0	3066	1
4	81	1.0	658	1
5	70	1.0	758	1
6	89	1.0	598	1
7	76	1.0	698	1
8	62	1.0	858	1
9	58	1.0	918	1
10	99	1.0	538	1
11	65	1.0	818	1
12	72	1.0	738	1
13	61	1.0	878	1
14	67	1.0	798	1
15	68	1.0	778	1
16	24	1.0	2264	1
17	52	1.0	1034	1
18	20	1.0	2726	1
19	46	1.0	1171	1
20	71	1.0	744	1
21	44	1.0	1204	1
22	66	1.0	809	1
23	20	1.0	2662	1
24	19	1.0	2850	1
25	30	1.0	1789	1
26	26	1.0	2061	1
27	61	1.0	873	1
28	37	1.0	1461	1
29	31	1.0	1740	1
30	23	1.0	2318	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	28	3.5	222	1
2	24	2.8	164	1
3	25	4.2	152	1
4	23	3.1	156	0
5	23	2.9	163	1
6	24	3.9	211	0
7	28	2.3	160	1
8	26	4.3	218	1
9	26	2.9	173	1
10	25	4.8	213	1
11	27	3.4	162	1
12	28	4.2	175	1
13	23	3.6	178	1
14	27	5.0	224	1
15	23	3.9	173	0
16	25	3.9	200	1
17	24	3.0	172	1
18	28	3.4	168	1
19	25	3.8	193	1
20	24	1.8	170	1
21	26	4.9	179	1
22	25	3.7	174	1
23	28	1.1	201	1
24	29	3.7	179	1
25	27	4.7	194	0
26	28	4.1	206	1
27	29	1.7	217	1
28	24	4.6	172	1
29	26	2.4	162	1
30	24	2.4	173	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	18	6.4	355	1
2	17	8.2	213	1
3	16	9.1	275	1
4	16	6.3	290	1
5	16	6.0	389	1
6	17	8.0	324	1
7	17	8.9	473	1
8	17	7.8	468	1
9	18	9.3	461	1
10	18	7.8	462	1
11	16	9.6	373	1
12	16	6.9	425	1
13	18	7.6	391	1
14	18	8.6	459	1
15	17	8.0	293	1
16	17	7.4	280	1
17	17	9.6	468	0
18	17	6.0	217	0
19	18	8.7	261	1
20	16	6.4	208	0
21	18	6.8	271	1
22	17	9.9	376	1
23	18	6.2	232	1
24	16	8.5	235	0
25	18	8.1	262	0
26	18	8.2	454	1
27	18	7.5	494	0
28	18	7.8	228	0
29	18	7.9	312	1
30	16	6.9	359	0
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	19.2	355	1
2	16	13.4	232	1
3	12	14.9	439	1
4	12	18.7	316	1
5	14	17.1	338	1
6	16	11.2	343	0
7	13	19.1	293	1
8	14	13.3	211	1
9	12	11.0	494	1
10	14	11.3	225	1
11	15	16.7	333	1
12	13	12.0	230	1
13	16	11.2	229	1
14	13	11.4	315	1
15	13	15.7	482	0
16	14	15.3	287	0
17	15	19.2	386	0
18	15	14.0	352	1
19	14	12.6	258	1
20	12	11.2	286	1
21	15	19.0	443	0
22	15	18.2	346	0
23	12	18.0	254	1
24	14	15.0	345	1
25	12	13.2	480	1
26	15	18.5	417	1
27	13	11.0	306	1
28	12	13.4	231	0
29	14	15.2	275	1
30	15	17.1	392	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5498.6	1
12	5498.2	1
13	5496.2	1
14	5493.4	1
15	5498.2	1
16	5495.0	1
17	5497.4	1
18	5495.0	1
19	5498.6	1
20	5496.2	1
21	5523.4	1
22	5525.8	1
23	5522.2	1
24	5525.8	1
25	5523.4	1
26	5523.4	1
27	5522.6	1
28	5521.0	1
29	5525.0	1
30	5522.6	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	3	14	82.4	1129	1534	0.740393	1
1	2	14	92.8	1878		0.999355	
2	2	14	73.8	1324		2.391008	
3	2	14	82.5	1092		2.583085	
4	2	14	68.9	1441		3.783125	
5	1	14	64.7			4.597334	
6	1	14	85.5			5.426117	
7	2	14	60.3	1159		6.333024	
8	3	14	71.9	1597	1315	6.865583	
9	2	14	61.7	1057		8.140336	
10	1	14	84.4			8.914312	
11	3	14	97.7	1101	1884	9.943135	
12	3	14	67.7	1430	1784	10.997394	
13	1	14	50.4			11.493962	

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	16	54.1	1362		0.275764	1
1	3	16	71.6	1258	1503	1.044693	
2	2	16	64.2	1873		1.611060	
3	2	16	93.6	1469		2.246823	
4	2	16	57.8	1806		3.182614	
5	2	16	99.8	1570		3.919088	
6	2	16	75.5	1472		4.094266	
7	2	16	94.7	1993		4.672641	
8	2	16	67.7	1924		5.450671	
9	2	16	75.9	1374		6.384807	
10	3	16	78.8	1657	1624	6.711690	
11	2	16	95.1	1867		7.536608	
12	2	16	58.0	1826		8.359964	
13	3	16	52.4	1383	1681	9.020616	
14	2	16	82.5	1505		9.782892	
15	1	16	85.2			10.052058	
16	3	16	69.7	1135	1358	10.764383	
17	3	16	98.3	1033	1628	11.384763	

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	12	69.3	1371	1088	0.544133	1
1	2	12	98.7	1208		1.772861	
2	2	12	98.5	1614		2.249452	
3	1	12	67.7			3.499950	
4	3	12	88.6	1864	1130	4.563064	
5	2	12	51.4	1371		5.803949	
6	2	12	83.2	1308		6.765971	
7	1	12	61.4			7.996113	
8	2	12	72.4	1018		8.925855	
9	2	12	87.7	1730		9.933099	
10	3	12	54.3	1067	1091	10.589167	
11	2	12	52.0	1971		11.509421	

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	57.9	1282		0.955559	1
1	1	12	91.8			1.964666	
2	2	12	93.8	1049		2.180006	
3	2	12	77.4	1352		3.913139	
4	2	12	68.8	1973		4.241460	
5	1	12	73.2			5.731013	
6	2	12	62.8	1376		6.534447	
7	2	12	81.5	1178		7.350234	
8	2	12	71.9	1063		8.497556	
9	2	12	65.0	1695		9.578755	
10	3	12	94.3	1256	1684	10.512904	
11	3	12	93.3	1047	1991	11.375593	

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	60.6			0.243112	
1	2	8	61.5	1354		1.403743	
2	3	8	93.8	1412	1146	1.983194	
3	2	8	66.1	1352		2.771071	
4	3	8	61.0	1068	1405	3.453721	
5	2	8	94.8	1303		3.649492	
6	2	8	57.7	1594		4.575885	
7	3	8	66.8	1167	1304	5.271399	
8	2	8	79.0	1659		5.931536	1
9	2	8	52.7	1670		6.722168	
10	3	8	52.6	1427	1419	7.201879	
11	3	8	70.5	1966	1915	7.886858	
12	3	8	75.3	1124	1180	8.830649	
13	3	8	75.9	1738	1357	9.396779	
14	1	8	58.3			10.222055	
15	2	8	52.5	1861		10.746585	
16	3	8	98.0	1331	1048	11.959091	

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	15	61.0	1184	1620	0.023224	1
1	3	15	90.2	1239	1379	0.908625	
2	2	15	73.4	1180		1.514233	
3	1	15	54.1			1.843901	
4	2	15	81.4	1278		2.487735	
5	1	15	82.2			3.022845	
6	2	15	96.2	1333		3.949821	
7	3	15	63.8	1229	1292	4.277100	
8	3	15	51.9	1150	1851	4.920148	
9	3	15	91.9	1400	1425	5.441490	
10	1	15	79.1			6.551125	
11	2	15	73.3	1062		6.847075	
12	2	15	80.8	1974		7.721733	
13	2	15	85.2	1047		8.302270	
14	2	15	81.3	1123		8.533986	
15	2	15	66.7	1849		9.107497	
16	2	15	61.9	1139		9.684358	
17	3	15	64.6	1906	1583	10.304174	
18	2	15	76.3	1014		10.902295	
19	1	15	89.4			11.980434	

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	13	61.7	1160	1827	0.052675	1
1	2	13	82.2	1898		1.386512	
2	3	13	88.0	1288	1543	1.966452	
3	3	13	83.1	1355	1818	2.592802	
4	1	13	55.7			3.540491	
5	3	13	77.3	1918	1392	4.291868	
6	3	13	85.3	1715	1315	5.175941	
7	3	13	97.2	1887	1496	5.374972	
8	2	13	88.1	1258		6.676718	
9	3	13	95.2	1372	1613	7.439933	
10	3	13	98.1	1489	1961	7.937733	
11	2	13	75.2	1283		8.400024	
12	1	13	52.7			9.320405	
13	1	13	65.3			9.784039	
14	1	13	86.7			11.048805	
15	1	13	84.0			11.252325	

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	16	84.3	1252		0.344984	1
1	2	16	63.2	1884		1.356723	
2	1	16	58.7			2.175095	
3	2	16	51.0	1578		2.593494	
4	3	16	65.1	1892	1617	3.635048	
5	2	16	92.6	1278		3.826024	
6	2	16	50.1	1496		5.102205	
7	1	16	59.7			5.668468	
8	2	16	68.7	1251		6.530708	
9	2	16	94.8	1434		7.288144	
10	3	16	92.5	1551	1460	7.633264	
11	1	16	91.7			8.697692	
12	3	16	59.8	1774	1058	9.353475	
13	2	16	57.3	1959		10.203418	
14	3	16	69.4	1012	1572	10.850866	
15	3	16	66.9	1260	1866	11.302901	

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	76.2	1412		0.657834	1
1	2	12	80.0	1993		2.112893	
2	3	12	94.0	1003	1924	2.636618	
3	2	12	50.5	1066		4.160544	
4	1	12	93.3			4.523235	
5	2	12	66.0	1129		5.537094	
6	2	12	81.9	1651		7.207670	
7	2	12	57.4	1523		8.708084	
8	1	12	53.6			9.091919	
9	1	12	78.6			10.218772	
10	1	12	89.5			11.707023	

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	12	83.4	1075		0.147031	1
1	2	12	75.2	1743		1.685524	
2	2	12	56.0	1437		2.247462	
3	2	12	71.0	1348		3.069768	
4	1	12	89.5			4.164023	
5	3	12	93.1	1527	1376	5.040855	
6	3	12	95.4	1882	1510	6.207763	
7	2	12	62.5	1269		7.384542	
8	2	12	79.9	1864		8.048579	
9	1	12	78.9			9.424737	
10	2	12	76.6	1451		10.864779	
11	1	12	88.2			11.588539	

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	19	86.6	1376	1413	0.206399	1
1	1	19	90.9			1.265946	
2	2	19	74.5	1516		1.922844	
3	2	19	56.2	1761		2.037198	
4	2	19	54.7	1264		3.186289	
5	1	19	73.7			3.569393	
6	1	19	60.5			4.191184	
7	2	19	70.7	1036		5.009380	
8	3	19	96.7	1479	1649	5.350146	
9	1	19	58.5			6.601848	
10	2	19	93.0	1566		7.055881	
11	1	19	70.8			7.402504	
12	1	19	99.3			8.034755	
13	3	19	72.3	1312	1142	9.036516	
14	2	19	73.9	1957		9.614825	
15	3	19	57.5	1304	1867	10.278815	
16	1	19	67.3			11.089839	
17	3	19	91.2	1576	1780	11.572261	

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	84.7	1540		0.160722	1
1	1	18	88.3			1.451373	
2	1	18	74.4			2.383158	
3	1	18	80.7			3.209898	
4	3	18	88.4	1070	1877	4.958300	
5	3	18	73.4	1234	1792	5.679008	
6	3	18	75.7	1235	1045	6.185491	
7	2	18	54.9	1588		7.905670	
8	1	18	96.6			8.234968	
9	1	18	61.2			9.601043	
10	2	18	81.8	1967		10.820529	
11	1	18	89.8			11.021681	

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	77.3	1304		0.670933	
1	3	13	91.0	1091	1292	2.248320	
2	2	13	90.1	1111		2.768538	
3	3	13	74.4	1686	1693	4.004767	
4	2	13	98.9	1810		5.804598	1
5	3	13	70.6	1151	1207	7.332732	
6	2	13	58.4	1236		8.631213	
7	2	13	60.3	1160		10.414139	
8	2	13	80.2	1413		11.221381	

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	6	71.5	1105	1134	0.710880	
1	3	6	83.4	1966	1841	1.321686	
2	3	6	78.6	1806	1363	1.738833	
3	2	6	64.6	1308		2.415183	
4	2	6	67.2	1907		3.448650	
5	2	6	84.8	1109		4.176703	
6	2	6	65.9	1023		5.048396	
7	2	6	77.4	1864		5.708187	
8	3	6	66.4	1338	1935	6.435650	1
9	2	6	79.6	1661		7.358750	
10	1	6	60.2			7.664214	
11	3	6	76.8	1247	1930	8.766623	
12	2	6	65.4	1466		9.390818	
13	1	6	53.4			10.067224	
14	1	6	83.5			10.728954	
15	1	6	63.2			11.828594	

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	18	85.9	1428	1524	0.695270	1
1	3	18	61.0	1357	1392	1.792731	
2	1	18	66.4			2.751027	
3	3	18	86.1	1306	1756	3.919518	
4	2	18	70.9	1940		4.144337	
5	2	18	99.2	1752		5.979611	
6	3	18	80.8	1387	1961	6.402431	
7	3	18	72.1	1477	1633	7.935508	
8	1	18	67.5			8.520464	
9	1	18	62.6			9.073089	
10	1	18	55.1			10.662939	
11	3	18	85.9	1631	1638	11.188130	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	73.7			0.574809	1
1	2	10	68.1	1025		0.870855	
2	3	10	98.1	1698	1508	1.818433	
3	2	10	73.4	1178		2.473639	
4	2	10	77.2	1748		3.070310	
5	3	10	98.2	1396	1116	3.881644	
6	1	10	85.2			4.753988	
7	3	10	91.3	1579	1561	5.379241	
8	2	10	82.4	1967		6.258793	
9	3	10	80.8	1615	1894	7.066411	
10	2	10	58.7	1621		7.531714	
11	3	10	93.3	1143	1704	8.913484	
12	2	10	68.6	1940		9.123677	
13	2	10	53.8	1588		10.048760	
14	2	10	69.7	1294		10.791308	
15	3	10	92.3	1833	1093	11.429691	

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	92.9			0.381187	1
1	2	16	58.0	1428		1.118005	
2	3	16	97.3	1036	1812	1.659550	
3	3	16	93.0	1084	1687	2.629822	
4	2	16	98.2	1334		3.724320	
5	3	16	59.2	1235	1024	4.178349	
6	3	16	84.3	1306	1606	4.929055	
7	2	16	78.5	1573		5.381592	
8	3	16	94.2	1705	1129	6.629248	
9	1	16	84.7			6.930764	
10	2	16	55.6	1492		8.104539	
11	2	16	97.6	1533		8.744670	
12	1	16	89.5			9.476553	
13	2	16	99.6	1239		9.997209	
14	2	16	76.4	1943		11.029746	
15	1	16	61.6			11.883595	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	51.6			1.106909	
1	3	10	52.8	1331	1465	1.577525	
2	3	10	91.3	1985	1309	3.622118	
3	2	10	65.2	1790		5.147779	
4	2	10	71.4	1533		6.644011	1
5	2	10	59.1	1855		7.255618	
6	3	10	82.4	1169	1346	8.215743	
7	1	10	84.4			10.532903	
8	2	10	81.4	1403		11.810838	

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	66.3			0.643256	
1	2	19	65.1	1077		1.670303	
2	2	19	86.2	1652		2.847542	
3	2	19	58.3	1046		4.510904	
4	3	19	79.4	1408	1860	5.798781	1
5	3	19	89.7	1274	1505	6.868258	
6	2	19	74.5	1223		9.173505	
7	2	19	86.2	1185		10.441585	
8	2	19	95.4	1181		11.200912	

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	82.0	1833		0.209072	
1	3	13	60.5	1717	1429	1.307529	
2	1	13	72.8			1.346478	
3	3	13	80.8	1916	1534	2.489885	
4	2	13	74.0	1287		3.013573	
5	1	13	99.6			3.781915	
6	2	13	74.9	1522		4.474935	
7	2	13	93.7	1372		4.858693	
8	2	13	98.6	1158		5.930443	
9	2	13	65.7	1558		6.444026	1
10	3	13	74.1	1702	1126	7.133373	
11	2	13	51.5	1020		7.425524	
12	1	13	99.3			8.207992	
13	1	13	65.1			9.261200	
14	2	13	50.8	1083		9.953394	
15	1	13	64.3			10.222161	
16	3	13	82.6	1487	1517	10.812560	
17	2	13	94.2	1198		11.824690	

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	75.3	1450		0.364090	1
1	2	14	53.2	1102		0.953649	
2	2	14	55.0	1211		1.886433	
3	2	14	94.4	1431		2.419169	
4	2	14	79.6	1218		3.110567	
5	2	14	97.7	1652		3.659621	
6	1	14	83.0			4.461480	
7	3	14	74.0	1407	1620	4.904070	
8	2	14	77.7	1830		5.469477	
9	1	14	56.0			6.327605	
10	2	14	55.0	1674		6.823214	
11	2	14	73.8	1305		7.494368	
12	2	14	73.8	1623		8.116297	
13	3	14	64.1	1040	1889	8.995143	
14	1	14	88.1			9.708947	
15	3	14	92.0	1675	1935	10.075203	
16	2	14	71.5	1439		11.145224	
17	1	14	79.2			11.541034	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	90.1	1944		0.459175	1
1	3	8	82.1	1344	1552	1.229767	
2	2	8	90.4	1527		1.962891	
3	1	8	77.4			2.507659	
4	1	8	62.0			3.243623	
5	1	8	89.9			3.879868	
6	3	8	85.8	1616	1010	5.110795	
7	1	8	86.2			5.692000	
8	2	8	63.0	1753		6.573440	
9	3	8	74.5	1415	1271	6.812506	
10	2	8	90.5	1970		8.175726	
11	3	8	80.1	1191	1176	8.682382	
12	3	8	85.9	1822	1272	9.665902	
13	3	8	52.3	1299	1251	10.098226	
14	1	8	69.5			10.655636	
15	2	8	87.5	1770		11.699372	

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	17	71.1	1187	1263	0.957400	
1	2	17	67.8	1408		2.107831	
2	1	17	86.5			3.329224	
3	1	17	84.3			4.596530	
4	2	17	57.4	1923		5.668484	1
5	2	17	73.7	1819		7.058802	
6	3	17	93.4	1067	1684	8.698099	
7	2	17	95.3	1958		10.623553	
8	2	17	99.2	1947		11.025586	

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	8	79.6			0.185168	
1	3	8	60.5	1465	1322	1.167471	
2	3	8	85.0	1816	1553	2.325097	
3	2	8	95.1	1057		2.996268	
4	2	8	56.7	1856		4.603450	
5	1	8	54.2			5.018436	
6	2	8	95.4	1147		5.997219	1
7	1	8	97.4			6.793302	
8	2	8	86.1	1822		8.004647	
9	2	8	75.8	1855		8.716284	
10	2	8	80.0	1659		9.660884	
11	2	8	79.6	1009		10.459083	
12	3	8	66.3	1538	1419	11.323310	

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	63.7	1038		0.571002	
1	1	14	55.1			1.310638	
2	1	14	75.2			2.227827	
3	3	14	85.3	1149	1873	2.642054	
4	1	14	65.1			3.777747	
5	2	14	55.7	1757		4.368417	
6	2	14	51.0	1193		5.704114	
7	3	14	54.0	1253	1748	6.809011	1
8	3	14	99.0	1120	1924	6.943977	
9	2	14	71.5	1188		8.370382	
10	2	14	73.9	1798		8.821010	
11	2	14	78.2	1398		9.681747	
12	3	14	94.1	1613	1389	10.700910	
13	2	14	52.9	1218		11.364467	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	73.2	1472		0.902551	
1	2	14	68.2	1936		2.265152	
2	1	14	67.0			3.114853	
3	2	14	57.6	1775		4.180366	
4	2	14	94.2	1610		5.787507	1
5	2	14	66.6	1312		7.387866	
6	2	14	65.9	1808		8.268691	
7	2	14	77.2	1412		10.104101	
8	3	14	61.7	1003	1704	11.313686	

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	90.2			0.386095	
1	2	16	62.5	1901		0.909574	
2	3	16	79.4	1433	1107	2.108764	
3	3	16	73.0	1045	1551	2.321952	
4	3	16	57.3	1051	1294	3.052607	
5	3	16	55.9	1404	1752	3.961718	
6	2	16	99.1	1264		4.816515	
7	3	16	88.7	1507	1812	5.314555	
8	2	16	56.8	1798		6.241053	1
9	3	16	57.7	1996	1061	7.345225	
10	3	16	68.4	1701	1938	7.938534	
11	1	16	71.2			8.629799	
12	2	16	55.9	1068		9.085662	
13	2	16	51.1	1741		10.271968	
14	2	16	79.4	1821		11.186030	
15	2	16	78.8	1245		11.374787	

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	20	91.4	1604		0.401618	
1	2	20	99.0	1332		0.774100	
2	2	20	72.2	1851		1.668032	
3	2	20	81.7	1478		2.356681	
4	1	20	84.9			3.107169	
5	2	20	90.4	1083		3.885010	
6	2	20	55.2	1861		4.778133	
7	2	20	76.0	1532		5.187237	
8	3	20	99.2	1599	1149	6.122605	1
9	1	20	64.3			6.847531	
10	2	20	99.8	1707		7.089944	
11	1	20	70.0			8.190638	
12	3	20	84.0	1316	1313	8.888956	
13	2	20	85.1	1410		9.548234	
14	2	20	65.0	1735		9.998739	
15	2	20	56.7	1853		11.204697	
16	2	20	74.7	1249		11.442273	

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	10	83.0	1968		0.513715	
1	1	10	86.3			0.904706	
2	2	10	67.8	1255		1.369014	
3	3	10	56.2	1818	1320	2.399006	
4	2	10	91.3	1234		2.671401	
5	2	10	65.0	1928		3.266719	
6	1	10	96.0			3.990806	
7	1	10	56.4			4.856854	
8	3	10	79.8	1875	1691	5.330811	
9	2	10	67.1	1313		6.178619	1
10	3	10	98.2	1478	1960	6.703557	
11	2	10	62.6	1695		7.186637	
12	2	10	95.3	1816		8.028554	
13	2	10	86.6	1589		8.797633	
14	1	10	83.4			9.190785	
15	3	10	64.1	1488	1657	10.000277	
16	2	10	89.4	1788		10.414534	
17	2	10	91.8	1434		11.333951	
18	1	10	56.1			11.964971	

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	16	52.9	1122		0.620405	1
1	1	16	56.8			1.400919	
2	1	16	85.5			2.662295	
3	2	16	50.2	1265		3.874496	
4	3	16	78.7	1141	1458	4.974689	
5	2	16	60.3	1398		5.966277	
6	2	16	87.3	1673		6.481899	
7	2	16	52.6	1296		7.306539	
8	2	16	81.9	1327		8.815307	
9	1	16	72.1			9.988577	
10	3	16	76.4	1354	1626	10.891229	
11	2	16	99.8	1988		11.143139	

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	5525.0, 5560.0, 5252.0, 5255.0, 5391.0, 5697.0, 5649.0, 5588.0, 5685.0, 5511.0, 5428.0, 5343.0, 5565.0, 5655.0, 5318.0, 5401.0, 5523.0, 5701.0, 5490.0, 5619.0, 5691.0, 5301.0, 5721.0, 5340.0, 5307.0, 5394.0, 5596.0, 5499.0, 5465.0, 5403.0, 5612.0, 5313.0, 5396.0, 5710.0, 5289.0, 5553.0, 5509.0, 5430.0, 5263.0, 5557.0, 5665.0, 5413.0, 5478.0, 5524.0, 5457.0, 5373.0, 5574.0, 5271.0, 5675.0, 5528.0, 5495.0, 5522.0, 5294.0, 5716.0, 5604.0, 5579.0, 5512.0, 5551.0, 5323.0, 5454.0, 5583.0, 5408.0, 5506.0, 5642.0, 5472.0, 5362.0, 5582.0, 5543.0, 5709.0, 5491.0, 5542.0, 5480.0, 5328.0, 5610.0, 5698.0, 5383.0, 5576.0, 5686.0, 5715.0, 5620.0, 5364.0, 5624.0, 5562.0, 5663.0, 5290.0, 5392.0, 5504.0, 5520.0, 5630.0, 5433.0, 5406.0, 5507.0, 5382.0, 5678.0, 5302.0, 5455.0, 5451.0, 5482.0, 5654.0, 5467.0 (number of hits: 15)
2	5510.0	9	1.0	333	1	5507.0, 5369.0, 5697.0, 5665.0, 5639.0, 5613.0, 5313.0, 5298.0, 5607.0, 5637.0, 5493.0, 5273.0, 5616.0, 5436.0, 5266.0, 5566.0, 5347.0, 5423.0, 5307.0, 5463.0, 5618.0, 5312.0, 5692.0, 5453.0, 5323.0, 5657.0, 5302.0, 5455.0, 5330.0, 5672.0, 5392.0, 5352.0, 5636.0, 5281.0, 5483.0, 5562.0, 5718.0, 5360.0, 5448.0, 5485.0, 5647.0, 5660.0, 5259.0, 5522.0, 5481.0, 5663.0, 5349.0, 5709.0, 5356.0, 5337.0, 5683.0, 5658.0, 5721.0, 5306.0, 5480.0, 5559.0, 5551.0, 5654.0, 5449.0, 5364.0, 5471.0, 5261.0, 5346.0, 5383.0, 5399.0, 5417.0, 5442.0, 5284.0, 5486.0, 5256.0, 5414.0, 5359.0, 5495.0, 5592.0, 5524.0, 5611.0, 5509.0, 5282.0, 5649.0, 5373.0, 5343.0, 5604.0, 5621.0, 5432.0, 5570.0, 5620.0, 5391.0, 5294.0, 5572.0, 5327.0, 5667.0, 5517.0, 5554.0, 5462.0, 5434.0, 5430.0, 5275.0, 5296.0, 5439.0, 5701.0 (number of hits: 7)
3	5510.0	9	1.0	333	1	5657.0, 5689.0, 5713.0, 5340.0, 5684.0, 5518.0, 5372.0, 5315.0, 5426.0, 5380.0, 5489.0, 5624.0, 5627.0, 5265.0, 5424.0, 5554.0, 5582.0, 5525.0, 5392.0, 5681.0, 5300.0, 5370.0, 5723.0, 5362.0, 5364.0, 5652.0, 5326.0, 5590.0, 5716.0, 5607.0, 5471.0, 5400.0, 5492.0, 5449.0, 5329.0, 5617.0, 5386.0, 5698.0, 5570.0, 5552.0, 5339.0, 5253.0, 5281.0, 5706.0, 5674.0, 5545.0, 5608.0, 5597.0, 5391.0, 5559.0, 5435.0, 5651.0, 5462.0, 5355.0, 5522.0, 5589.0, 5277.0, 5665.0, 5497.0, 5475.0, 5365.0, 5398.0, 5439.0, 5309.0, 5343.0, 5690.0, 5406.0, 5721.0, 5537.0, 5359.0, 5456.0, 5529.0, 5613.0, 5510.0, 5312.0, 5565.0, 5548.0, 5520.0, 5664.0, 5483.0, 5672.0, 5457.0, 5678.0, 5310.0, 5405.0, 5696.0, 5662.0, 5486.0, 5389.0, 5673.0, 5581.0, 5308.0, 5633.0, 5455.0, 5296.0, 5560.0, 5714.0, 5443.0, 5482.0, 5258.0 (number of hits: 7)
4	5510.0	9	1.0	333	1	5660.0, 5585.0, 5598.0, 5522.0, 5652.0, 5450.0, 5467.0, 5667.0, 5622.0, 5614.0, 5359.0, 5389.0, 5548.0, 5514.0, 5472.0, 5397.0, 5628.0, 5428.0, 5442.0, 5317.0, 5479.0, 5259.0, 5578.0, 5384.0, 5396.0, 5263.0, 5307.0, 5387.0, 5460.0, 5360.0, 5378.0, 5349.0, 5354.0, 5535.0, 5650.0, 5335.0, 5401.0, 5508.0, 5717.0, 5714.0, 5369.0, 5260.0, 5438.0, 5491.0, 5683.0, 5408.0, 5684.0, 5605.0, 5706.0, 5300.0, 5496.0, 5604.0, 5267.0, 5437.0, 5412.0, 5671.0, 5495.0, 5536.0, 5638.0, 5342.0, 5557.0, 5687.0, 5271.0, 5345.0, 5463.0, 5459.0, 5367.0, 5674.0, 5269.0, 5440.0,

						5485.0, 5568.0, 5364.0, 5656.0, 5541.0, 5639.0, 5529.0, 5343.0, 5294.0, 5324.0, 5531.0, 5543.0, 5261.0, 5648.0, 5443.0, 5490.0, 5658.0, 5425.0, 5314.0, 5651.0, 5691.0, 5668.0, 5293.0, 5501.0, 5498.0, 5423.0, 5617.0, 5711.0, 5685.0, 5657.0 (number of hits: 8)
5	5510.0	9	1.0	333	1	5591.0, 5457.0, 5575.0, 5434.0, 5326.0, 5481.0, 5327.0, 5651.0, 5308.0, 5323.0, 5328.0, 5287.0, 5682.0, 5637.0, 5254.0, 5452.0, 5656.0, 5377.0, 5263.0, 5270.0, 5657.0, 5419.0, 5464.0, 5439.0, 5691.0, 5562.0, 5525.0, 5261.0, 5364.0, 5465.0, 5279.0, 5410.0, 5463.0, 5629.0, 5720.0, 5431.0, 5276.0, 5454.0, 5679.0, 5606.0, 5715.0, 5453.0, 5389.0, 5455.0, 5500.0, 5619.0, 5508.0, 5722.0, 5394.0, 5559.0, 5723.0, 5302.0, 5385.0, 5416.0, 5374.0, 5688.0, 5677.0, 5706.0, 5459.0, 5669.0, 5368.0, 5564.0, 5601.0, 5666.0, 5372.0, 5332.0, 5590.0, 5491.0, 5563.0, 5718.0, 5600.0, 5281.0, 5437.0, 5678.0, 5593.0, 5589.0, 5490.0, 5620.0, 5479.0, 5405.0, 5315.0, 5262.0, 5687.0, 5693.0, 5605.0, 5395.0, 5441.0, 5588.0, 5598.0, 5571.0, 5661.0, 5344.0, 5288.0, 5648.0, 5366.0, 5644.0, 5420.0, 5504.0, 5275.0, 5639.0 (number of hits: 5)
6	5510.0	9	1.0	333	1	5529.0, 5303.0, 5510.0, 5329.0, 5437.0, 5562.0, 5313.0, 5276.0, 5467.0, 5577.0, 5385.0, 5452.0, 5296.0, 5495.0, 5463.0, 5263.0, 5498.0, 5649.0, 5432.0, 5711.0, 5441.0, 5283.0, 5514.0, 5520.0, 5371.0, 5340.0, 5383.0, 5440.0, 5379.0, 5294.0, 5499.0, 5681.0, 5474.0, 5260.0, 5600.0, 5579.0, 5518.0, 5524.0, 5392.0, 5258.0, 5705.0, 5458.0, 5326.0, 5605.0, 5532.0, 5672.0, 5603.0, 5365.0, 5354.0, 5322.0, 5360.0, 5502.0, 5599.0, 5252.0, 5384.0, 5714.0, 5582.0, 5416.0, 5493.0, 5717.0, 5643.0, 5676.0, 5630.0, 5270.0, 5542.0, 5442.0, 5645.0, 5698.0, 5642.0, 5395.0, 5722.0, 5632.0, 5595.0, 5680.0, 5275.0, 5471.0, 5675.0, 5343.0, 5623.0, 5587.0, 5593.0, 5674.0, 5709.0, 5478.0, 5253.0, 5419.0, 5336.0, 5515.0, 5637.0, 5598.0, 5549.0, 5317.0, 5625.0, 5483.0, 5635.0, 5718.0, 5470.0, 5604.0, 5415.0, 5503.0 (number of hits: 12)
7	5510.0	9	1.0	333	1	5517.0, 5633.0, 5436.0, 5691.0, 5334.0, 5349.0, 5409.0, 5446.0, 5333.0, 5336.0, 5650.0, 5540.0, 5465.0, 5283.0, 5366.0, 5520.0, 5559.0, 5353.0, 5337.0, 5371.0, 5505.0, 5568.0, 5479.0, 5531.0, 5685.0, 5473.0, 5693.0, 5469.0, 5620.0, 5695.0, 5526.0, 5716.0, 5574.0, 5508.0, 5584.0, 5491.0, 5545.0, 5384.0, 5410.0, 5630.0, 5385.0, 5687.0, 5298.0, 5678.0, 5271.0, 5606.0, 5253.0, 5544.0, 5287.0, 5439.0, 5362.0, 5590.0, 5313.0, 5332.0, 5689.0, 5688.0, 5627.0, 5401.0, 5251.0, 5322.0, 5515.0, 5572.0, 5648.0, 5377.0, 5709.0, 5267.0, 5698.0, 5506.0, 5692.0, 5495.0, 5284.0, 5285.0, 5680.0, 5357.0, 5464.0, 5326.0, 5636.0, 5408.0, 5365.0, 5361.0, 5499.0, 5617.0, 5257.0, 5675.0, 5681.0, 5624.0, 5373.0, 5718.0, 5412.0, 5444.0, 5484.0, 5383.0, 5272.0, 5431.0, 5715.0, 5663.0, 5428.0, 5452.0, 5450.0, 5637.0 (number of hits: 10)
8	5510.0	9	1.0	333	1	5636.0, 5455.0, 5483.0, 5495.0, 5272.0, 5625.0, 5607.0, 5302.0, 5366.0, 5384.0, 5360.0, 5490.0, 5297.0, 5343.0, 5295.0, 5470.0, 5387.0, 5646.0, 5511.0, 5321.0, 5520.0, 5606.0, 5269.0, 5584.0, 5618.0, 5669.0, 5559.0, 5543.0, 5424.0, 5432.0, 5323.0, 5441.0, 5370.0, 5519.0, 5577.0, 5446.0, 5487.0, 5579.0, 5264.0, 5442.0, 5598.0, 5521.0, 5665.0, 5469.0, 5570.0, 5409.0, 5701.0, 5590.0, 5706.0, 5668.0, 5475.0, 5356.0, 5411.0, 5289.0, 5555.0, 5399.0, 5285.0, 5314.0, 5420.0, 5355.0, 5254.0, 5571.0, 5438.0, 5344.0, 5493.0, 5666.0, 5319.0, 5415.0, 5283.0, 5265.0, 5675.0, 5674.0, 5565.0, 5340.0, 5580.0, 5615.0, 5287.0,

						5550.0, 5385.0, 5396.0, 5553.0, 5613.0, 5336.0, 5436.0, 5531.0, 5551.0, 5690.0, 5721.0, 5286.0, 5512.0, 5484.0, 5434.0, 5392.0, 5610.0, 5552.0, 5373.0, 5533.0, 5423.0, 5284.0, 5695.0 (number of hits: 7)
9	5510.0	9	1.0	333	1	5480.0, 5691.0, 5417.0, 5570.0, 5400.0, 5319.0, 5425.0, 5492.0, 5682.0, 5586.0, 5658.0, 5463.0, 5666.0, 5373.0, 5545.0, 5338.0, 5316.0, 5376.0, 5559.0, 5578.0, 5532.0, 5276.0, 5402.0, 5272.0, 5504.0, 5431.0, 5486.0, 5424.0, 5537.0, 5507.0, 5636.0, 5388.0, 5690.0, 5626.0, 5387.0, 5516.0, 5522.0, 5721.0, 5503.0, 5528.0, 5339.0, 5704.0, 5323.0, 5505.0, 5493.0, 5557.0, 5354.0, 5327.0, 5426.0, 5521.0, 5506.0, 5657.0, 5414.0, 5502.0, 5298.0, 5555.0, 5324.0, 5471.0, 5335.0, 5604.0, 5699.0, 5438.0, 5678.0, 5501.0, 5269.0, 5614.0, 5695.0, 5382.0, 5683.0, 5697.0, 5515.0, 5529.0, 5673.0, 5437.0, 5286.0, 5547.0, 5482.0, 5285.0, 5326.0, 5307.0, 5569.0, 5322.0, 5302.0, 5325.0, 5685.0, 5360.0, 5494.0, 5405.0, 5575.0, 5443.0, 5447.0, 5305.0, 5434.0, 5294.0, 5644.0, 5295.0, 5483.0, 5383.0, 5436.0, 5411.0 (number of hits: 15)
10	5510.0	9	1.0	333	1	5590.0, 5551.0, 5412.0, 5552.0, 5442.0, 5373.0, 5380.0, 5530.0, 5461.0, 5426.0, 5636.0, 5688.0, 5305.0, 5493.0, 5318.0, 5691.0, 5655.0, 5668.0, 5582.0, 5686.0, 5539.0, 5321.0, 5663.0, 5504.0, 5443.0, 5417.0, 5659.0, 5527.0, 5474.0, 5511.0, 5610.0, 5572.0, 5692.0, 5620.0, 5357.0, 5528.0, 5723.0, 5462.0, 5500.0, 5536.0, 5263.0, 5330.0, 5564.0, 5400.0, 5545.0, 5596.0, 5428.0, 5351.0, 5711.0, 5719.0, 5594.0, 5439.0, 5327.0, 5492.0, 5675.0, 5523.0, 5532.0, 5433.0, 5677.0, 5592.0, 5629.0, 5347.0, 5672.0, 5379.0, 5282.0, 5626.0, 5436.0, 5703.0, 5537.0, 5441.0, 5680.0, 5497.0, 5712.0, 5459.0, 5587.0, 5485.0, 5693.0, 5641.0, 5319.0, 5605.0, 5550.0, 5722.0, 5555.0, 5446.0, 5429.0, 5388.0, 5338.0, 5503.0, 5270.0, 5607.0, 5390.0, 5367.0, 5279.0, 5707.0, 5365.0, 5625.0, 5424.0, 5634.0, 5287.0, 5389.0 (number of hits: 10)
11	5510.0	9	1.0	333	1	5322.0, 5417.0, 5640.0, 5354.0, 5636.0, 5647.0, 5531.0, 5492.0, 5599.0, 5704.0, 5262.0, 5299.0, 5281.0, 5690.0, 5500.0, 5270.0, 5633.0, 5668.0, 5428.0, 5360.0, 5503.0, 5294.0, 5661.0, 5383.0, 5587.0, 5597.0, 5589.0, 5364.0, 5570.0, 5715.0, 5496.0, 5374.0, 5650.0, 5460.0, 5641.0, 5480.0, 5643.0, 5412.0, 5660.0, 5692.0, 5712.0, 5376.0, 5377.0, 5427.0, 5447.0, 5468.0, 5369.0, 5698.0, 5318.0, 5393.0, 5722.0, 5718.0, 5390.0, 5708.0, 5628.0, 5386.0, 5637.0, 5407.0, 5437.0, 5691.0, 5548.0, 5295.0, 5717.0, 5667.0, 5723.0, 5325.0, 5472.0, 5413.0, 5564.0, 5604.0, 5473.0, 5330.0, 5402.0, 5622.0, 5608.0, 5663.0, 5280.0, 5392.0, 5250.0, 5686.0, 5513.0, 5418.0, 5519.0, 5453.0, 5680.0, 5345.0, 5297.0, 5358.0, 5323.0, 5603.0, 5609.0, 5544.0, 5666.0, 5670.0, 5455.0, 5488.0, 5353.0, 5264.0, 5553.0, 5317.0 (number of hits: 6)
12	5510.0	9	1.0	333	1	5337.0, 5537.0, 5524.0, 5604.0, 5360.0, 5325.0, 5444.0, 5346.0, 5315.0, 5541.0, 5270.0, 5632.0, 5616.0, 5362.0, 5466.0, 5428.0, 5545.0, 5480.0, 5499.0, 5720.0, 5510.0, 5622.0, 5320.0, 5390.0, 5586.0, 5633.0, 5566.0, 5328.0, 5283.0, 5607.0, 5263.0, 5619.0, 5478.0, 5363.0, 5475.0, 5576.0, 5345.0, 5507.0, 5292.0, 5372.0, 5692.0, 5489.0, 5561.0, 5454.0, 5575.0, 5530.0, 5476.0, 5407.0, 5563.0, 5305.0, 5509.0, 5419.0, 5532.0, 5712.0, 5335.0, 5329.0, 5286.0, 5332.0, 5400.0, 5567.0, 5515.0, 5488.0, 5366.0, 5462.0, 5474.0, 5700.0, 5691.0, 5252.0, 5605.0, 5636.0, 5271.0, 5631.0, 5406.0, 5542.0, 5703.0, 5707.0, 5559.0, 5482.0, 5393.0, 5621.0, 5536.0, 5458.0, 5391.0, 5331.0,

						5611.0, 5680.0, 5668.0, 5613.0, 5497.0, 5624.0, 5647.0, 5562.0, 5303.0, 5443.0, 5410.0, 5427.0, 5327.0, 5523.0, 5685.0, 5505.0 (number of hits: 9)
13	5510.0	9	1.0	333	1	5317.0, 5368.0, 5330.0, 5582.0, 5558.0, 5370.0, 5626.0, 5561.0, 5365.0, 5518.0, 5471.0, 5557.0, 5503.0, 5424.0, 5686.0, 5440.0, 5308.0, 5674.0, 5548.0, 5631.0, 5360.0, 5436.0, 5291.0, 5635.0, 5489.0, 5492.0, 5481.0, 5609.0, 5381.0, 5695.0, 5400.0, 5567.0, 5615.0, 5660.0, 5448.0, 5262.0, 5415.0, 5364.0, 5634.0, 5457.0, 5428.0, 5623.0, 5700.0, 5485.0, 5704.0, 5341.0, 5286.0, 5487.0, 5266.0, 5689.0, 5614.0, 5563.0, 5677.0, 5314.0, 5588.0, 5388.0, 5529.0, 5453.0, 5352.0, 5520.0, 5387.0, 5619.0, 5649.0, 5393.0, 5537.0, 5647.0, 5419.0, 5498.0, 5297.0, 5549.0, 5669.0, 5527.0, 5692.0, 5653.0, 5356.0, 5417.0, 5466.0, 5254.0, 5531.0, 5274.0, 5287.0, 5277.0, 5701.0, 5656.0, 5375.0, 5702.0, 5451.0, 5273.0, 5583.0, 5599.0, 5412.0, 5474.0, 5707.0, 5613.0, 5506.0, 5288.0, 5285.0, 5403.0, 5325.0, 5551.0 (number of hits: 7)
14	5510.0	9	1.0	333	1	5681.0, 5527.0, 5430.0, 5586.0, 5332.0, 5685.0, 5539.0, 5306.0, 5269.0, 5554.0, 5369.0, 5344.0, 5487.0, 5683.0, 5518.0, 5578.0, 5272.0, 5411.0, 5398.0, 5363.0, 5453.0, 5650.0, 5512.0, 5632.0, 5288.0, 5598.0, 5472.0, 5342.0, 5361.0, 5597.0, 5631.0, 5475.0, 5381.0, 5447.0, 5346.0, 5317.0, 5608.0, 5421.0, 5634.0, 5479.0, 5438.0, 5380.0, 5667.0, 5658.0, 5412.0, 5483.0, 5713.0, 5474.0, 5422.0, 5315.0, 5316.0, 5520.0, 5343.0, 5270.0, 5370.0, 5532.0, 5716.0, 5266.0, 5463.0, 5505.0, 5633.0, 5458.0, 5352.0, 5613.0, 5432.0, 5455.0, 5619.0, 5353.0, 5503.0, 5704.0, 5688.0, 5480.0, 5429.0, 5360.0, 5657.0, 5477.0, 5672.0, 5442.0, 5671.0, 5553.0, 5601.0, 5612.0, 5341.0, 5406.0, 5635.0, 5643.0, 5407.0, 5589.0, 5476.0, 5638.0, 5286.0, 5441.0, 5610.0, 5707.0, 5419.0, 5326.0, 5557.0, 5705.0, 5677.0, 5522.0 (number of hits: 7)
15	5510.0	9	1.0	333	1	5646.0, 5709.0, 5254.0, 5676.0, 5463.0, 5560.0, 5338.0, 5440.0, 5437.0, 5444.0, 5561.0, 5542.0, 5425.0, 5586.0, 5427.0, 5564.0, 5636.0, 5653.0, 5314.0, 5695.0, 5522.0, 5414.0, 5356.0, 5494.0, 5639.0, 5492.0, 5567.0, 5369.0, 5344.0, 5528.0, 5544.0, 5490.0, 5411.0, 5503.0, 5658.0, 5534.0, 5669.0, 5472.0, 5640.0, 5443.0, 5366.0, 5557.0, 5630.0, 5600.0, 5473.0, 5521.0, 5668.0, 5475.0, 5467.0, 5482.0, 5722.0, 5681.0, 5302.0, 5403.0, 5724.0, 5568.0, 5715.0, 5558.0, 5607.0, 5281.0, 5582.0, 5509.0, 5309.0, 5655.0, 5278.0, 5541.0, 5260.0, 5537.0, 5378.0, 5538.0, 5592.0, 5359.0, 5687.0, 5294.0, 5458.0, 5420.0, 5273.0, 5523.0, 5279.0, 5357.0, 5277.0, 5477.0, 5593.0, 5699.0, 5628.0, 5685.0, 5397.0, 5300.0, 5459.0, 5270.0, 5670.0, 5428.0, 5576.0, 5345.0, 5525.0, 5606.0, 5257.0, 5289.0, 5290.0, 5530.0 (number of hits: 9)
16	5510.0	9	1.0	333	1	5327.0, 5590.0, 5713.0, 5315.0, 5394.0, 5399.0, 5572.0, 5322.0, 5311.0, 5518.0, 5562.0, 5256.0, 5511.0, 5317.0, 5630.0, 5404.0, 5472.0, 5462.0, 5700.0, 5501.0, 5393.0, 5492.0, 5607.0, 5343.0, 5368.0, 5556.0, 5469.0, 5597.0, 5264.0, 5409.0, 5328.0, 5502.0, 5487.0, 5648.0, 5436.0, 5451.0, 5644.0, 5415.0, 5255.0, 5654.0, 5559.0, 5479.0, 5382.0, 5439.0, 5680.0, 5526.0, 5673.0, 5718.0, 5500.0, 5520.0, 5687.0, 5308.0, 5400.0, 5391.0, 5620.0, 5495.0, 5530.0, 5661.0, 5504.0, 5610.0, 5527.0, 5464.0, 5643.0, 5257.0, 5508.0, 5528.0, 5632.0, 5284.0, 5279.0, 5421.0, 5456.0, 5450.0, 5636.0, 5359.0, 5283.0, 5313.0, 5566.0, 5293.0, 5543.0, 5395.0, 5410.0, 5623.0, 5677.0, 5460.0, 5267.0, 5414.0, 5598.0, 5624.0, 5536.0, 5588.0, 5686.0,

						5601.0, 5650.0, 5294.0, 5476.0, 5278.0, 5287.0, 5496.0, 5473.0, 5503.0 (number of hits: 15)
17	5510.0	9	1.0	333	1	5602.0, 5280.0, 5343.0, 5703.0, 5534.0, 5527.0, 5308.0, 5546.0, 5421.0, 5315.0, 5362.0, 5525.0, 5364.0, 5400.0, 5475.0, 5339.0, 5340.0, 5691.0, 5326.0, 5294.0, 5502.0, 5542.0, 5507.0, 5440.0, 5423.0, 5513.0, 5714.0, 5520.0, 5652.0, 5451.0, 5381.0, 5668.0, 5506.0, 5514.0, 5447.0, 5555.0, 5371.0, 5420.0, 5699.0, 5395.0, 5410.0, 5268.0, 5653.0, 5318.0, 5297.0, 5431.0, 5325.0, 5470.0, 5467.0, 5354.0, 5636.0, 5275.0, 5518.0, 5269.0, 5262.0, 5709.0, 5253.0, 5503.0, 5501.0, 5564.0, 5656.0, 5295.0, 5387.0, 5666.0, 5706.0, 5471.0, 5607.0, 5543.0, 5254.0, 5625.0, 5288.0, 5697.0, 5482.0, 5595.0, 5291.0, 5490.0, 5515.0, 5531.0, 5338.0, 5512.0, 5718.0, 5624.0, 5584.0, 5680.0, 5693.0, 5255.0, 5654.0, 5569.0, 5429.0, 5378.0, 5443.0, 5532.0, 5628.0, 5529.0, 5377.0, 5469.0, 5660.0, 5611.0, 5450.0, 5411.0 (number of hits: 13)
18	5510.0	9	1.0	333	1	5469.0, 5669.0, 5604.0, 5297.0, 5322.0, 5550.0, 5621.0, 5298.0, 5566.0, 5463.0, 5681.0, 5515.0, 5475.0, 5539.0, 5689.0, 5283.0, 5314.0, 5261.0, 5648.0, 5267.0, 5366.0, 5658.0, 5544.0, 5614.0, 5650.0, 5320.0, 5679.0, 5499.0, 5630.0, 5436.0, 5271.0, 5303.0, 5476.0, 5690.0, 5272.0, 5571.0, 5416.0, 5442.0, 5284.0, 5293.0, 5514.0, 5713.0, 5577.0, 5302.0, 5722.0, 5318.0, 5430.0, 5518.0, 5610.0, 5349.0, 5705.0, 5468.0, 5355.0, 5418.0, 5485.0, 5563.0, 5265.0, 5655.0, 5615.0, 5682.0, 5445.0, 5415.0, 5321.0, 5546.0, 5419.0, 5423.0, 5428.0, 5587.0, 5680.0, 5661.0, 5304.0, 5605.0, 5495.0, 5381.0, 5317.0, 5353.0, 5527.0, 5633.0, 5399.0, 5683.0, 5363.0, 5448.0, 5471.0, 5332.0, 5520.0, 5707.0, 5538.0, 5360.0, 5500.0, 5478.0, 5462.0, 5504.0, 5540.0, 5259.0, 5294.0, 5319.0, 5326.0, 5670.0, 5581.0, 5490.0 (number of hits: 9)
19	5510.0	9	1.0	333	1	5511.0, 5590.0, 5550.0, 5329.0, 5571.0, 5407.0, 5391.0, 5521.0, 5678.0, 5291.0, 5435.0, 5585.0, 5282.0, 5433.0, 5403.0, 5535.0, 5588.0, 5256.0, 5713.0, 5369.0, 5631.0, 5517.0, 5275.0, 5555.0, 5602.0, 5286.0, 5584.0, 5666.0, 5642.0, 5278.0, 5640.0, 5495.0, 5721.0, 5404.0, 5402.0, 5424.0, 5673.0, 5453.0, 5569.0, 5675.0, 5565.0, 5297.0, 5311.0, 5306.0, 5617.0, 5634.0, 5541.0, 5608.0, 5581.0, 5292.0, 5506.0, 5507.0, 5465.0, 5338.0, 5658.0, 5576.0, 5458.0, 5425.0, 5661.0, 5559.0, 5718.0, 5365.0, 5472.0, 5429.0, 5416.0, 5268.0, 5449.0, 5451.0, 5619.0, 5437.0, 5610.0, 5354.0, 5714.0, 5647.0, 5543.0, 5618.0, 5392.0, 5461.0, 5578.0, 5633.0, 5533.0, 5466.0, 5294.0, 5722.0, 5589.0, 5621.0, 5371.0, 5527.0, 5332.0, 5340.0, 5664.0, 5462.0, 5583.0, 5643.0, 5280.0, 5360.0, 5456.0, 5482.0, 5700.0, 5630.0 (number of hits: 7)
20	5510.0	9	1.0	333	1	5623.0, 5404.0, 5578.0, 5644.0, 5394.0, 5599.0, 5600.0, 5310.0, 5528.0, 5352.0, 5585.0, 5515.0, 5719.0, 5501.0, 5319.0, 5636.0, 5635.0, 5566.0, 5508.0, 5647.0, 5498.0, 5383.0, 5473.0, 5563.0, 5697.0, 5369.0, 5464.0, 5276.0, 5485.0, 5653.0, 5399.0, 5511.0, 5362.0, 5372.0, 5360.0, 5346.0, 5603.0, 5393.0, 5714.0, 5497.0, 5377.0, 5368.0, 5260.0, 5375.0, 5378.0, 5436.0, 5582.0, 5579.0, 5531.0, 5277.0, 5461.0, 5503.0, 5468.0, 5325.0, 5646.0, 5638.0, 5677.0, 5662.0, 5701.0, 5651.0, 5430.0, 5291.0, 5705.0, 5526.0, 5555.0, 5285.0, 5595.0, 5690.0, 5551.0, 5523.0, 5353.0, 5699.0, 5398.0, 5425.0, 5680.0, 5601.0, 5337.0, 5720.0, 5297.0, 5450.0, 5400.0, 5253.0, 5335.0, 5343.0, 5616.0, 5434.0, 5544.0, 5486.0, 5465.0, 5332.0, 5308.0, 5484.0, 5421.0, 5479.0, 5576.0, 5689.0, 5591.0, 5656.0,

						5374.0, 5295.0 (number of hits: 10)
21	5510.0	9	1.0	333	1	5585.0, 5650.0, 5282.0, 5536.0, 5442.0, 5374.0, 5594.0, 5462.0, 5502.0, 5317.0, 5606.0, 5375.0, 5430.0, 5296.0, 5663.0, 5457.0, 5494.0, 5294.0, 5509.0, 5554.0, 5262.0, 5677.0, 5652.0, 5718.0, 5483.0, 5531.0, 5313.0, 5394.0, 5590.0, 5395.0, 5514.0, 5264.0, 5460.0, 5638.0, 5497.0, 5269.0, 5411.0, 5311.0, 5329.0, 5511.0, 5636.0, 5290.0, 5382.0, 5309.0, 5314.0, 5600.0, 5344.0, 5601.0, 5521.0, 5277.0, 5446.0, 5253.0, 5272.0, 5372.0, 5377.0, 5666.0, 5398.0, 5318.0, 5567.0, 5563.0, 5550.0, 5352.0, 5451.0, 5701.0, 5597.0, 5357.0, 5351.0, 5687.0, 5257.0, 5571.0, 5675.0, 5334.0, 5343.0, 5641.0, 5330.0, 5289.0, 5623.0, 5292.0, 5667.0, 5537.0, 5324.0, 5676.0, 5645.0, 5582.0, 5672.0, 5581.0, 5455.0, 5399.0, 5364.0, 5517.0, 5707.0, 5611.0, 5443.0, 5698.0, 5700.0, 5656.0, 5472.0, 5627.0, 5422.0, 5614.0 (number of hits: 8)
22	5510.0	9	1.0	333	1	5295.0, 5302.0, 5678.0, 5661.0, 5404.0, 5502.0, 5284.0, 5287.0, 5315.0, 5658.0, 5277.0, 5547.0, 5654.0, 5525.0, 5650.0, 5501.0, 5357.0, 5609.0, 5557.0, 5517.0, 5495.0, 5465.0, 5441.0, 5438.0, 5309.0, 5398.0, 5531.0, 5588.0, 5253.0, 5567.0, 5348.0, 5642.0, 5343.0, 5474.0, 5349.0, 5250.0, 5664.0, 5640.0, 5296.0, 5656.0, 5388.0, 5690.0, 5330.0, 5723.0, 5520.0, 5700.0, 5268.0, 5469.0, 5611.0, 5524.0, 5570.0, 5477.0, 5628.0, 5624.0, 5432.0, 5481.0, 5252.0, 5577.0, 5569.0, 5504.0, 5704.0, 5554.0, 5307.0, 5276.0, 5355.0, 5468.0, 5464.0, 5509.0, 5422.0, 5679.0, 5283.0, 5328.0, 5310.0, 5676.0, 5566.0, 5535.0, 5619.0, 5325.0, 5318.0, 5324.0, 5475.0, 5405.0, 5266.0, 5503.0, 5341.0, 5431.0, 5410.0, 5584.0, 5331.0, 5610.0, 5522.0, 5699.0, 5605.0, 5353.0, 5319.0, 5430.0, 5515.0, 5359.0, 5660.0, 5683.0 (number of hits: 12)
23	5510.0	9	1.0	333	1	5567.0, 5721.0, 5398.0, 5420.0, 5661.0, 5701.0, 5697.0, 5534.0, 5293.0, 5619.0, 5593.0, 5497.0, 5625.0, 5387.0, 5286.0, 5652.0, 5447.0, 5481.0, 5552.0, 5478.0, 5668.0, 5336.0, 5366.0, 5711.0, 5471.0, 5322.0, 5670.0, 5347.0, 5390.0, 5492.0, 5428.0, 5511.0, 5608.0, 5576.0, 5470.0, 5319.0, 5647.0, 5525.0, 5521.0, 5546.0, 5650.0, 5539.0, 5457.0, 5538.0, 5516.0, 5418.0, 5300.0, 5265.0, 5598.0, 5346.0, 5597.0, 5664.0, 5280.0, 5501.0, 5529.0, 5503.0, 5553.0, 5304.0, 5502.0, 5438.0, 5702.0, 5545.0, 5622.0, 5691.0, 5654.0, 5580.0, 5653.0, 5399.0, 5479.0, 5613.0, 5323.0, 5579.0, 5610.0, 5442.0, 5458.0, 5483.0, 5587.0, 5717.0, 5290.0, 5464.0, 5289.0, 5392.0, 5582.0, 5369.0, 5623.0, 5352.0, 5257.0, 5551.0, 5609.0, 5484.0, 5684.0, 5512.0, 5264.0, 5665.0, 5556.0, 5696.0, 5630.0, 5309.0, 5524.0, 5459.0 (number of hits: 11)
24	5510.0	9	1.0	333	1	5335.0, 5337.0, 5318.0, 5648.0, 5661.0, 5262.0, 5265.0, 5592.0, 5610.0, 5465.0, 5504.0, 5511.0, 5500.0, 5554.0, 5303.0, 5425.0, 5479.0, 5366.0, 5478.0, 5613.0, 5351.0, 5426.0, 5371.0, 5561.0, 5428.0, 5341.0, 5395.0, 5438.0, 5258.0, 5314.0, 5616.0, 5269.0, 5537.0, 5590.0, 5507.0, 5482.0, 5283.0, 5499.0, 5305.0, 5483.0, 5595.0, 5598.0, 5496.0, 5443.0, 5597.0, 5285.0, 5404.0, 5414.0, 5377.0, 5469.0, 5586.0, 5576.0, 5304.0, 5557.0, 5686.0, 5665.0, 5450.0, 5324.0, 5378.0, 5535.0, 5413.0, 5521.0, 5302.0, 5316.0, 5472.0, 5458.0, 5394.0, 5695.0, 5455.0, 5530.0, 5471.0, 5651.0, 5422.0, 5559.0, 5609.0, 5403.0, 5288.0, 5683.0, 5263.0, 5640.0, 5389.0, 5547.0, 5555.0, 5512.0, 5546.0, 5476.0, 5444.0, 5606.0, 5493.0, 5607.0, 5291.0, 5256.0, 5681.0, 5701.0, 5505.0, 5643.0, 5311.0, 5257.0, 5704.0, 5271.0 (number of hits: 10)

25	5510.0	9	1.0	333	1	5287.0, 5400.0, 5696.0, 5672.0, 5289.0, 5402.0, 5608.0, 5489.0, 5622.0, 5471.0, 5649.0, 5396.0, 5398.0, 5391.0, 5355.0, 5384.0, 5338.0, 5333.0, 5284.0, 5415.0, 5681.0, 5718.0, 5709.0, 5580.0, 5587.0, 5684.0, 5589.0, 5597.0, 5451.0, 5563.0, 5498.0, 5604.0, 5439.0, 5506.0, 5503.0, 5556.0, 5635.0, 5667.0, 5282.0, 5516.0, 5434.0, 5323.0, 5444.0, 5592.0, 5606.0, 5254.0, 5646.0, 5461.0, 5525.0, 5595.0, 5573.0, 5475.0, 5488.0, 5712.0, 5486.0, 5690.0, 5675.0, 5686.0, 5463.0, 5639.0, 5603.0, 5526.0, 5441.0, 5623.0, 5363.0, 5611.0, 5410.0, 5547.0, 5490.0, 5264.0, 5632.0, 5399.0, 5310.0, 5531.0, 5267.0, 5648.0, 5523.0, 5657.0, 5253.0, 5545.0, 5316.0, 5413.0, 5370.0, 5339.0, 5460.0, 5677.0, 5665.0, 5673.0, 5557.0, 5544.0, 5574.0, 5479.0, 5654.0, 5326.0, 5273.0, 5678.0, 5448.0, 5358.0, 5302.0, 5492.0 (number of hits: 8)
26	5510.0	9	1.0	333	1	5691.0, 5588.0, 5506.0, 5276.0, 5387.0, 5693.0, 5267.0, 5253.0, 5632.0, 5633.0, 5474.0, 5417.0, 5407.0, 5501.0, 5644.0, 5310.0, 5648.0, 5564.0, 5273.0, 5554.0, 5668.0, 5657.0, 5523.0, 5441.0, 5355.0, 5654.0, 5570.0, 5434.0, 5378.0, 5700.0, 5696.0, 5402.0, 5416.0, 5496.0, 5307.0, 5279.0, 5433.0, 5452.0, 5306.0, 5488.0, 5622.0, 5705.0, 5689.0, 5640.0, 5635.0, 5329.0, 5268.0, 5305.0, 5656.0, 5528.0, 5295.0, 5502.0, 5609.0, 5297.0, 5444.0, 5409.0, 5289.0, 5559.0, 5541.0, 5697.0, 5573.0, 5257.0, 5664.0, 5399.0, 5293.0, 5621.0, 5403.0, 5680.0, 5686.0, 5394.0, 5516.0, 5311.0, 5318.0, 5419.0, 5519.0, 5512.0, 5392.0, 5566.0, 5701.0, 5314.0, 5342.0, 5634.0, 5292.0, 5351.0, 5423.0, 5405.0, 5718.0, 5628.0, 5379.0, 5281.0, 5486.0, 5619.0, 5477.0, 5532.0, 5421.0, 5551.0, 5510.0, 5537.0, 5614.0, 5459.0 (number of hits: 10)
27	5510.0	9	1.0	333	1	5627.0, 5576.0, 5541.0, 5483.0, 5305.0, 5317.0, 5693.0, 5434.0, 5655.0, 5273.0, 5301.0, 5349.0, 5443.0, 5682.0, 5351.0, 5593.0, 5426.0, 5590.0, 5450.0, 5275.0, 5420.0, 5563.0, 5604.0, 5252.0, 5688.0, 5390.0, 5676.0, 5540.0, 5548.0, 5329.0, 5534.0, 5342.0, 5579.0, 5381.0, 5379.0, 5295.0, 5298.0, 5365.0, 5616.0, 5724.0, 5340.0, 5431.0, 5373.0, 5622.0, 5284.0, 5267.0, 5293.0, 5695.0, 5572.0, 5716.0, 5486.0, 5687.0, 5422.0, 5536.0, 5307.0, 5582.0, 5346.0, 5330.0, 5650.0, 5573.0, 5328.0, 5508.0, 5314.0, 5361.0, 5537.0, 5282.0, 5296.0, 5326.0, 5608.0, 5524.0, 5404.0, 5706.0, 5324.0, 5707.0, 5610.0, 5529.0, 5597.0, 5512.0, 5564.0, 5469.0, 5441.0, 5304.0, 5514.0, 5411.0, 5299.0, 5526.0, 5583.0, 5385.0, 5631.0, 5332.0, 5632.0, 5359.0, 5598.0, 5311.0, 5621.0, 5287.0, 5268.0, 5440.0, 5560.0, 5684.0 (number of hits: 5)
28	5510.0	9	1.0	333	1	5376.0, 5712.0, 5293.0, 5282.0, 5584.0, 5422.0, 5678.0, 5633.0, 5343.0, 5616.0, 5538.0, 5635.0, 5639.0, 5612.0, 5283.0, 5501.0, 5597.0, 5367.0, 5555.0, 5579.0, 5500.0, 5444.0, 5360.0, 5407.0, 5721.0, 5604.0, 5454.0, 5286.0, 5331.0, 5348.0, 5509.0, 5258.0, 5530.0, 5378.0, 5588.0, 5425.0, 5251.0, 5352.0, 5339.0, 5594.0, 5702.0, 5383.0, 5565.0, 5328.0, 5428.0, 5347.0, 5531.0, 5358.0, 5519.0, 5598.0, 5700.0, 5655.0, 5662.0, 5692.0, 5606.0, 5256.0, 5297.0, 5713.0, 5715.0, 5498.0, 5415.0, 5375.0, 5296.0, 5458.0, 5460.0, 5285.0, 5572.0, 5618.0, 5693.0, 5278.0, 5508.0, 5402.0, 5372.0, 5361.0, 5469.0, 5568.0, 5507.0, 5295.0, 5610.0, 5261.0, 5438.0, 5575.0, 5468.0, 5659.0, 5398.0, 5587.0, 5450.0, 5516.0, 5260.0, 5489.0, 5396.0, 5494.0, 5305.0, 5277.0, 5642.0, 5539.0, 5437.0, 5330.0, 5589.0, 5355.0 (number of hits: 9)
29	5510.0	9	1.0	333	1	5537.0, 5523.0, 5288.0, 5474.0, 5610.0, 5633.0, 5261.0,

						5290.0, 5467.0, 5713.0, 5671.0, 5557.0, 5587.0, 5585.0, 5266.0, 5424.0, 5402.0, 5618.0, 5609.0, 5425.0, 5311.0, 5628.0, 5531.0, 5693.0, 5674.0, 5281.0, 5589.0, 5593.0, 5569.0, 5566.0, 5423.0, 5253.0, 5546.0, 5723.0, 5496.0, 5355.0, 5357.0, 5501.0, 5718.0, 5706.0, 5430.0, 5455.0, 5298.0, 5377.0, 5590.0, 5332.0, 5635.0, 5459.0, 5319.0, 5567.0, 5561.0, 5654.0, 5452.0, 5526.0, 5641.0, 5478.0, 5350.0, 5629.0, 5466.0, 5354.0, 5315.0, 5446.0, 5447.0, 5534.0, 5700.0, 5558.0, 5688.0, 5722.0, 5330.0, 5659.0, 5346.0, 5508.0, 5638.0, 5510.0, 5513.0, 5419.0, 5289.0, 5370.0, 5623.0, 5576.0, 5544.0, 5622.0, 5484.0, 5277.0, 5560.0, 5303.0, 5499.0, 5617.0, 5275.0, 5497.0, 5443.0, 5502.0, 5541.0, 5699.0, 5410.0, 5631.0, 5468.0, 5448.0, 5702.0, 5259.0 (number of hits: 10)
30	5510.0	9	1.0	333	1	5678.0, 5457.0, 5305.0, 5264.0, 5444.0, 5589.0, 5436.0, 5317.0, 5693.0, 5595.0, 5607.0, 5554.0, 5519.0, 5415.0, 5515.0, 5392.0, 5382.0, 5527.0, 5558.0, 5614.0, 5667.0, 5629.0, 5369.0, 5615.0, 5509.0, 5454.0, 5279.0, 5393.0, 5569.0, 5292.0, 5605.0, 5324.0, 5591.0, 5365.0, 5423.0, 5702.0, 5572.0, 5469.0, 5663.0, 5681.0, 5316.0, 5496.0, 5468.0, 5443.0, 5490.0, 5445.0, 5621.0, 5514.0, 5362.0, 5294.0, 5666.0, 5357.0, 5334.0, 5410.0, 5367.0, 5417.0, 5609.0, 5504.0, 5398.0, 5529.0, 5606.0, 5688.0, 5313.0, 5476.0, 5611.0, 5673.0, 5482.0, 5479.0, 5684.0, 5396.0, 5602.0, 5412.0, 5642.0, 5657.0, 5349.0, 5296.0, 5299.0, 5723.0, 5662.0, 5319.0, 5325.0, 5604.0, 5291.0, 5679.0, 5331.0, 5581.0, 5675.0, 5680.0, 5348.0, 5298.0, 5669.0, 5631.0, 5692.0, 5625.0, 5532.0, 5639.0, 5472.0, 5290.0, 5255.0, 5590.0 (number of hits: 7)

P2P Mode
Cobalt 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	83.3 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	80.0 %	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 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	59	1.0	898	1
2	68	1.0	778	1
3	65	1.0	818	1
4	86	1.0	618	1
5	58	1.0	918	1
6	63	1.0	838	1
7	83	1.0	638	1
8	76	1.0	698	1
9	74	1.0	718	0
10	72	1.0	738	1
11	102	1.0	518	1
12	95	1.0	558	1
13	92	1.0	578	1
14	78	1.0	678	1
15	67	1.0	798	1
1	20	1.0	2739	1
2	22	1.0	2475	1
3	18	1.0	2935	1
4	25	1.0	2194	1
5	19	1.0	2811	1
6	22	1.0	2461	1
7	46	1.0	1166	1
8	52	1.0	1034	1
9	50	1.0	1072	1
10	25	1.0	2192	1
11	18	1.0	2994	1
12	20	1.0	2749	1
13	63	1.0	848	1
14	21	1.0	2515	1
15	18	1.0	3000	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	26	4.3	155	1
2	23	3.0	156	1
3	23	1.0	159	0
4	24	1.6	156	1
5	27	4.6	162	1
6	29	3.8	222	0
7	27	1.5	227	1
8	25	2.0	154	1
9	29	3.6	161	1
10	27	1.1	179	1
11	25	3.8	174	1
12	25	2.1	216	1
13	28	4.8	229	1
14	28	3.1	179	1
15	26	3.1	222	1
16	27	1.2	183	0
17	24	3.9	169	1
18	28	3.6	168	1
19	26	1.9	156	0
20	28	4.8	188	1
21	26	3.1	154	1
22	27	3.4	160	1
23	28	2.7	193	1
24	27	3.0	203	0
25	26	2.5	187	1
26	24	4.9	173	1
27	25	3.5	211	1
28	24	4.6	222	1
29	25	4.4	220	1
30	28	4.3	228	1
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	8.4	364	1
2	17	7.2	426	1
3	18	7.1	334	1
4	18	9.4	482	1
5	18	9.6	231	1
6	16	6.4	450	1
7	17	9.6	268	0
8	16	8.7	237	1
9	18	6.9	445	1
10	16	6.0	379	1
11	17	8.6	327	1
12	16	6.7	495	0
13	17	9.5	410	1
14	18	6.9	222	0
15	17	6.5	302	1
16	18	8.8	281	1
17	18	6.2	437	0
18	16	6.4	256	1
19	17	6.8	319	1
20	16	9.5	330	1
21	16	8.8	368	1
22	16	8.5	314	1
23	18	8.2	213	1
24	18	9.1	285	1
25	18	6.6	388	1
26	17	8.3	211	1
27	18	7.1	452	1
28	17	8.0	417	1
29	18	9.4	228	1
30	17	7.4	252	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	18.1	229	1
2	15	16.5	376	1
3	14	15.9	431	1
4	14	13.9	292	0
5	13	19.8	217	1
6	13	17.4	484	1
7	13	16.1	265	0
8	12	11.0	315	1
9	14	11.3	490	1
10	14	19.8	454	0
11	15	13.1	327	1
12	13	12.5	318	0
13	15	20.0	441	1
14	14	17.3	377	1
15	14	13.9	349	1
16	14	18.0	384	1
17	16	15.1	237	1
18	12	14.7	251	1
19	15	11.8	475	1
20	14	16.4	389	1
21	14	17.4	495	1
22	16	11.2	305	1
23	16	19.4	312	0
24	16	12.4	429	1
25	12	17.0	482	1
26	14	14.9	230	1
27	16	13.2	372	0
28	16	20.0	443	1
29	12	18.6	482	1
30	13	13.3	406	1
Detection Percentage: 80.0 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5496.4	1
12	5498.1	1
13	5493.6	1
14	5498.4	1
15	5495.2	1
16	5495.2	1
17	5494.9	1
18	5499.2	1
19	5494.1	1
20	5495.2	1
21	5566.4	1
22	5562.8	1
23	5563.1	1
24	5564.4	1
25	5562.4	1
26	5562.4	1
27	5562.8	1
28	5563.9	1
29	5565.6	1
30	5560.8	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	13	63.7	1421	1120	0.147858	1
1	1	13	67.3			1.302518	
2	2	13	83.5	1711		1.958189	
3	3	13	99.4	1437	1215	2.414859	
4	2	13	51.0	1736		3.483793	
5	2	13	53.9	1115		3.913870	
6	3	13	50.1	1255	1824	4.793562	
7	2	13	84.5	1577		5.394124	
8	3	13	84.1	1456	1742	6.414407	
9	3	13	66.9	1680	1360	7.005727	
10	1	13	66.8			7.913225	
11	3	13	90.4	1660	1250	8.550704	
12	1	13	93.1			9.512820	
13	3	13	96.8	1625	1596	10.481060	
14	3	13	91.7	1613	1610	10.583747	
15	3	13	98.3	1829	1920	11.682623	

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	11	90.5	1084	1914	0.299066	
1	2	11	67.5	1835		0.819322	
2	2	11	88.4	1061		1.505702	
3	1	11	70.6			2.262250	
4	1	11	70.9			3.139172	
5	2	11	87.7	1651		3.180505	
6	2	11	54.1	1476		3.850383	
7	2	11	94.7	1917		5.034782	
8	1	11	79.7			5.370478	
9	2	11	54.2	1726		5.911381	1
10	2	11	60.3	1786		6.615217	
11	3	11	55.7	1208	1411	7.218528	
12	2	11	83.5	1343		8.121174	
13	2	11	84.5	1792		8.726491	
14	3	11	64.8	1082	1200	8.891220	
15	1	11	82.7			9.504609	
16	2	11	56.6	1625		10.473817	
17	2	11	68.0	1917		11.349465	
18	1	11	62.7			11.940001	

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	13	56.9	1630		0.253986	
1	2	13	52.9	1387		1.386627	
2	1	13	90.4			1.822695	
3	2	13	85.5	1753		2.291304	
4	1	13	90.1			3.408115	
5	3	13	97.4	1369	1586	3.928182	
6	2	13	98.1	1954		4.320209	
7	2	13	86.3	1496		5.612342	
8	2	13	57.1	1886		5.694789	1
9	2	13	77.1	1730		6.716930	
10	3	13	70.2	1047	1966	7.740243	
11	3	13	89.3	1154	1646	8.394601	
12	1	13	72.8			8.716984	
13	3	13	88.2	1406	1710	9.177218	
14	1	13	95.7			10.410309	
15	3	13	97.4	1809	1390	11.279890	
16	3	13	76.9	1959	1643	11.799092	

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	13	74.9	1531		0.391304	
1	2	13	77.9	1863		2.358849	
2	2	13	94.9	1037		4.473658	
3	2	13	84.0	1966		4.693582	
4	1	13	80.5			6.273150	1
5	2	13	64.9	1808		7.765520	
6	2	13	78.7	1697		9.656382	
7	2	13	93.8	1559		11.518721	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	72.8	1313		0.058746	1
1	2	7	70.3	1696		2.017618	
2	1	7	88.0			3.493120	
3	3	7	56.3	1904	1611	4.059955	
4	1	7	57.7			5.773388	
5	2	7	51.1	1329		7.132592	
6	3	7	81.7	1686	1896	8.191754	
7	2	7	55.8	1470		9.518871	
8	1	7	81.5			10.640246	
9	1	7	61.0			11.530482	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	86.2	1941		1.263463	1
1	2	6	71.8	1049		2.766291	
2	2	6	85.8	1992		3.138193	
3	2	6	95.4	1186		4.909130	
4	2	6	87.1	1083		6.262056	
5	2	6	79.5	1924		8.805070	
6	1	6	67.4			10.310495	
7	2	6	95.3	1622		11.473050	

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	75.8			0.679865	1
1	2	10	93.5	1284		1.479546	
2	2	10	71.8	1626		2.647373	
3	2	10	94.8	1381		3.917834	
4	2	10	93.4	1687		5.650821	
5	1	10	75.3			6.516038	
6	2	10	50.7	1760		8.384305	
7	3	10	93.7	1999	1237	9.168705	
8	2	10	59.6	1552		10.116424	
9	2	10	92.1	1701		11.694629	

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	63.2	1455		1.033851	1
1	3	14	50.7	1327	1796	1.365150	
2	2	14	70.5	1722		3.119921	
3	2	14	84.2	1038		4.648937	
4	3	14	87.5	1084	1749	5.612989	
5	1	14	63.2			7.597966	
6	1	14	88.7			8.916744	
7	2	14	55.2	1109		9.600497	
8	2	14	77.0	1722		11.024658	

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	10	83.1	1267	1730	0.036029	1
1	3	10	53.4	1449	1428	0.796825	
2	2	10	76.5	1733		1.232077	
3	2	10	63.7	1808		1.820147	
4	2	10	54.7	1526		2.753464	
5	3	10	51.9	1246	1041	3.106687	
6	2	10	59.1	1688		3.872035	
7	2	10	65.8	1730		4.763572	
8	2	10	62.2	1075		5.207881	
9	3	10	58.7	1951	1326	5.661065	
10	3	10	59.2	1879	1775	6.297957	
11	2	10	79.3	1959		6.984444	
12	2	10	96.9	1154		7.487111	
13	1	10	67.2			7.804302	
14	3	10	62.1	1685	1342	8.652015	
15	3	10	79.0	1923	1337	9.411780	
16	2	10	84.2	1367		9.964613	
17	3	10	94.4	1942	1741	10.606555	
18	2	10	67.4	1344		10.822296	
19	2	10	63.5	1061		11.838098	

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	13	60.6	1239	1309	0.554370	
1	2	13	70.8	1449		0.958462	
2	3	13	89.9	1653	1718	1.361513	
3	1	13	66.7			1.990173	
4	1	13	63.2			2.763041	
5	3	13	62.1	1236	1346	3.390856	
6	2	13	53.1	1319		4.136939	
7	2	13	76.0	1640		4.661186	
8	3	13	89.6	1032	1331	5.190386	
9	1	13	59.3			6.278257	1
10	2	13	55.8	1533		6.331351	
11	3	13	74.5	1494	1406	7.079485	
12	2	13	81.0	1598		7.932171	
13	1	13	50.1			8.618384	
14	1	13	69.9			9.246025	
15	1	13	97.1			9.764037	
16	1	13	58.4			10.553370	
17	3	13	99.3	1209	1537	11.288885	
18	3	13	79.8	1864	1912	11.769612	

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	13	76.1	1269		0.239605	1
1	2	13	74.1	1440		1.294244	
2	1	13	56.6			1.667788	
3	2	13	80.5	1810		2.809154	
4	2	13	76.7	1697		3.358962	
5	2	13	55.6	1993		4.284694	
6	3	13	81.8	1468	1660	4.839538	
7	2	13	84.1	1701		5.963312	
8	3	13	72.7	1377	1119	6.091715	
9	3	13	75.0	1200	1242	7.420777	
10	2	13	96.5	1571		7.884692	
11	1	13	80.1			8.736244	
12	3	13	85.1	1542	1904	9.518268	
13	1	13	73.3			10.120299	
14	1	13	95.0			11.035904	
15	3	13	64.2	1633	1233	11.399846	

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	17	56.0	1429	1389	0.890072	1
1	1	17	89.1			1.803832	
2	2	17	56.8	1013		2.993037	
3	2	17	54.2	1691		3.471959	
4	2	17	81.7	1804		4.992732	
5	2	17	71.1	1821		5.141607	
6	1	17	68.9			6.035136	
7	2	17	77.8	1445		7.400650	
8	1	17	73.8			8.412320	
9	2	17	95.9	1403		9.017621	
10	3	17	65.1	1621	1982	10.745217	
11	1	17	77.7			11.075649	

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	6	71.6	1378	1175	0.094130	
1	2	6	93.6	1577		1.529217	
2	2	6	54.5	1966		1.904149	
3	2	6	79.2	1018		2.845330	
4	2	6	60.1	1776		3.915598	
5	2	6	88.9	1070		4.785747	
6	1	6	71.5			5.373682	
7	2	6	89.7	1191		5.659940	1
8	2	6	78.5	1650		6.423247	
9	1	6	65.6			7.307406	
10	2	6	76.8	1365		8.669230	
11	2	6	77.8	1492		8.832937	
12	3	6	70.7	1992	1356	10.244470	
13	1	6	62.8			11.185594	
14	2	6	75.3	1196		11.772838	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	75.7	1476		0.035726	
1	2	18	85.7	1214		1.936481	
2	3	18	65.7	1021	1585	3.423181	
3	2	18	58.1	1874		4.747499	
4	2	18	60.2	1060		5.784817	
5	2	18	74.9	1554		6.101651	1
6	1	18	56.6			7.986180	
7	3	18	91.8	1128	1372	8.580314	
8	1	18	61.2			9.650060	
9	1	18	61.0			11.079371	

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	10	59.3	1410	1110	0.006178	1
1	1	10	82.4			0.923148	
2	3	10	86.6	1883	1809	1.717561	
3	2	10	88.8	1601		2.386585	
4	2	10	63.0	1338		2.761156	
5	2	10	60.0	1046		3.404797	
6	2	10	75.4	1609		3.717767	
7	3	10	57.9	1642	1636	4.644646	
8	2	10	85.1	1845		4.859275	
9	1	10	72.6			5.701497	
10	2	10	52.2	1640		6.428982	
11	1	10	92.8			6.936458	
12	3	10	56.8	1291	1949	7.352664	
13	2	10	90.9	1566		7.924084	
14	2	10	52.5	1966		8.958830	
15	1	10	100.0			9.466080	
16	2	10	62.0	1386		10.173185	
17	2	10	52.1	1980		10.738929	
18	2	10	92.2	1936		11.015768	
19	1	10	50.0			11.642447	

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	10	78.2	1930		0.755954	1
1	1	10	92.6			1.529093	
2	2	10	65.7	1712		2.557754	
3	2	10	82.9	1760		3.220358	
4	2	10	71.0	1792		4.284211	
5	2	10	87.7	1235		4.823543	
6	3	10	71.3	1124	1817	5.750384	
7	1	10	95.8			6.540373	
8	2	10	70.8	1599		7.622337	
9	2	10	92.8	1929		8.716949	
10	1	10	75.0			9.936170	
11	3	10	96.0	1583	1607	10.627518	
12	2	10	86.5	1277		11.176887	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	70.3	1458	1357	0.669735	
1	2	9	69.2	1074		0.856139	
2	1	9	71.1			1.916739	
3	1	9	92.3			2.593624	
4	2	9	76.7	1301		3.694868	
5	3	9	78.3	1894	1477	4.325335	
6	2	9	51.1	1865		5.232124	
7	2	9	99.4	1190		5.652239	1
8	2	9	83.1	1659		6.565069	
9	2	9	53.4	1417		7.906263	
10	2	9	85.2	1727		8.460284	
11	1	9	63.2			9.010118	
12	2	9	59.8	1718		10.101980	
13	3	9	95.6	1378	1048	10.913855	
14	2	9	50.7	1033		11.614357	

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	20	82.2			0.380833	
1	1	20	69.4			0.875061	
2	2	20	70.0	1375		1.403227	
3	2	20	95.6	1918		2.037672	
4	1	20	73.4			2.602012	
5	2	20	96.4	1548		3.047103	
6	3	20	69.0	1964	1098	3.661091	
7	2	20	81.3	1130		4.505786	
8	2	20	83.5	1756		4.981388	
9	1	20	53.4			5.965698	
10	3	20	89.1	1692	1831	6.348788	1
11	3	20	86.1	1484	1684	6.660225	
12	3	20	89.8	1145	1843	7.737996	
13	1	20	96.6			8.210294	
14	2	20	73.8	1920		8.961313	
15	1	20	95.0			9.097349	
16	1	20	76.1			10.068743	
17	1	20	65.8			10.634703	
18	1	20	52.1			11.284236	
19	2	20	92.6	1892		11.904616	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	62.3	1255		0.218530	1
1	1	7	58.3			0.769114	
2	2	7	89.8	1795		2.004142	
3	2	7	56.5	1980		2.645682	
4	3	7	85.4	1130	1270	3.075183	
5	2	7	87.2	1005		3.838279	
6	1	7	84.7			4.270056	
7	1	7	95.9			5.286798	
8	2	7	61.7	1671		6.262458	
9	3	7	65.6	1961	1816	7.036649	
10	2	7	78.4	1190		7.389315	
11	3	7	71.4	1649	1510	8.085501	
12	2	7	50.6	1693		8.938967	
13	1	7	53.1			9.392188	
14	1	7	75.6			10.292099	
15	3	7	82.5	1651	1230	11.267871	

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	10	89.9			0.626880	1
1	2	10	98.8	1497		1.465403	
2	2	10	61.7	1046		2.243134	
3	2	10	96.4	1139		3.020894	
4	1	10	74.5			3.211538	
5	2	10	92.9	1588		4.370407	
6	3	10	70.2	1622	1204	5.510044	
7	3	10	60.2	1453	1460	5.736018	
8	2	10	72.7	1633		6.640398	
9	1	10	86.9			7.835468	
10	2	10	58.7	1461		8.263139	
11	1	10	76.3			8.850023	
12	3	10	55.7	1727	1821	10.391946	
13	2	10	76.0	1745		10.922495	
14	3	10	78.7	1588	1315	11.919598	

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	6	99.2	1319	1452	0.194212	
1	3	6	82.6	1095	1472	1.186333	
2	2	6	93.9	1612		1.543530	
3	2	6	75.0	1244		1.836537	
4	1	6	92.6			2.883414	
5	3	6	82.8	1047	1864	3.528663	
6	1	6	90.5			4.182757	
7	2	6	82.2	1962		4.718808	
8	2	6	79.8	1183		5.104668	
9	3	6	66.7	1128	1219	5.578250	1
10	1	6	94.9			6.180937	
11	3	6	51.3	1014	1061	6.674027	
12	1	6	97.4			7.253262	
13	1	6	91.1			8.208339	
14	2	6	74.2	1795		8.670538	
15	3	6	60.0	1713	1260	9.317264	
16	2	6	55.3	1272		9.821960	
17	2	6	90.3	1087		10.254061	
18	2	6	99.3	1508		11.151791	
19	2	6	71.6	1762		11.631514	

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	15	80.5	1611		0.099248	
1	3	15	55.1	1859	1713	1.551622	
2	2	15	64.3	1082		2.237915	
3	2	15	63.4	1673		2.811543	
4	1	15	89.5			3.457923	
5	3	15	69.1	1766	1131	4.392988	
6	1	15	65.9			5.410496	
7	1	15	93.5			5.875614	1
8	3	15	69.0	1252	1616	7.100498	
9	2	15	93.8	1953		7.661793	
10	2	15	65.3	1580		8.715506	
11	1	15	55.4			8.943767	
12	3	15	63.1	1229	1921	10.375938	
13	1	15	95.0			10.685257	
14	3	15	93.2	1870	1598	11.375975	

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	51.7	1645		0.585454	1
1	3	14	80.5	1666	1689	1.290469	
2	3	14	86.0	1588	1007	1.911812	
3	3	14	55.8	1069	1476	2.027390	
4	1	14	70.4			2.899440	
5	2	14	79.8	1478		3.630405	
6	2	14	86.9	1759		4.133751	
7	2	14	50.4	1440		5.225173	
8	2	14	84.6	1532		5.836655	
9	2	14	89.5	1436		6.212409	
10	1	14	75.7			6.925498	
11	3	14	56.2	1594	1894	7.346220	
12	2	14	52.6	1532		8.031437	
13	1	14	54.6			8.877621	
14	3	14	93.9	1652	1170	9.601023	
15	3	14	69.9	1236	1581	10.239082	
16	1	14	81.2			10.917492	
17	3	14	50.4	1656	1658	11.550279	

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	75.7	1778		0.492801	
1	3	11	64.7	1945	1416	1.161780	
2	3	11	94.9	1715	1558	1.930046	
3	3	11	68.5	1441	1217	2.646931	
4	3	11	71.5	1186	1958	3.593711	
5	2	11	57.6	1505		4.490894	
6	2	11	88.8	1269		4.896609	
7	2	11	90.7	1085		5.928872	1
8	2	11	99.3	1494		7.169672	
9	2	11	59.5	1205		7.353822	
10	2	11	76.4	1887		8.577063	
11	2	11	94.0	1514		9.575685	
12	3	11	57.0	1352	1705	10.278685	
13	3	11	76.5	1439	1769	10.924961	
14	2	11	64.8	1110		11.686772	

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	16	88.3			0.368871	
1	2	16	80.2	1511		2.226237	
2	2	16	77.2	1292		3.327720	
3	2	16	53.3	1534		4.076944	
4	2	16	62.0	1166		5.757514	1
5	1	16	99.9			6.819457	
6	2	16	62.8	1343		7.919191	
7	2	16	86.2	1513		9.098079	
8	1	16	75.7			10.412050	
9	1	16	67.9			11.237621	

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	54.1	1811	1030	0.277312	1
1	2	16	63.4	1238		1.062579	
2	2	16	51.0	1681		1.615023	
3	3	16	97.5	1035	1038	2.878107	
4	2	16	74.4	1859		3.482713	
5	2	16	85.9	1475		4.280211	
6	3	16	53.7	1986	1773	4.771290	
7	2	16	94.1	1433		5.302786	
8	2	16	88.9	1360		6.314381	
9	2	16	53.8	1207		7.122940	
10	1	16	98.4			7.754772	
11	3	16	61.8	1511	1931	8.722387	
12	3	16	59.5	1528	1825	9.688614	
13	2	16	81.6	1830		9.835133	
14	2	16	67.9	1754		11.092094	
15	3	16	66.4	1094	1586	11.507698	

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	15	52.3	1981	1857	0.846056	1
1	2	15	87.6	1057		1.854146	
2	1	15	52.9			2.324117	
3	1	15	78.3			3.341884	
4	1	15	79.6			5.203656	
5	1	15	92.6			6.307852	
6	2	15	92.8	1579		6.815085	
7	2	15	64.7	1274		7.778501	
8	1	15	96.6			9.560257	
9	3	15	84.2	1961	1681	10.292814	
10	2	15	53.2	1056		11.325521	

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	12	53.3	1896	1051	0.442059	
1	2	12	70.2	1142		1.109565	
2	2	12	92.5	1180		2.103413	
3	1	12	99.3			3.353900	
4	2	12	95.0	1543		4.386179	
5	1	12	51.8			4.641720	
6	3	12	93.0	1644	1621	5.883758	1
7	2	12	80.2	1910		6.781154	
8	1	12	62.8			7.787111	
9	3	12	65.1	1118	1892	8.550564	
10	2	12	77.9	1957		9.606749	
11	1	12	79.4			10.668003	
12	2	12	94.9	1965		11.126677	

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	8	65.9	1898		0.554249	
1	3	8	82.0	1728	1171	1.249939	
2	2	8	50.2	1885		2.152050	
3	2	8	52.0	1698		3.110037	
4	2	8	87.2	1104		3.331432	
5	2	8	79.1	1077		4.526002	
6	2	8	64.7	1430		4.927129	
7	3	8	64.6	1806	1378	6.200676	1
8	2	8	96.3	1170		6.607548	
9	3	8	59.4	1656	1254	7.865705	
10	3	8	91.8	1275	1176	8.485309	
11	2	8	78.2	1784		8.865839	
12	1	8	75.5			10.251803	
13	1	8	73.1			11.010421	
14	3	8	65.1	1703	1331	11.801010	

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	20	91.7	1920	1767	0.574044	1
1	3	20	97.3	1237	1662	1.468548	
2	2	20	82.9	1084		1.996299	
3	2	20	56.2	1895		3.374430	
4	2	20	72.4	1072		4.220558	
5	3	20	78.2	1451	1578	4.723331	
6	2	20	58.1	1967		5.886609	
7	2	20	88.1	1648		6.460628	
8	2	20	99.2	1545		7.479167	
9	3	20	85.1	1271	1197	7.860940	
10	2	20	63.3	1760		8.849097	
11	1	20	97.6			9.663829	
12	2	20	87.5	1837		10.690494	
13	2	20	88.1	1522		11.889259	

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	5280.0, 5335.0, 5680.0, 5428.0, 5635.0, 5301.0, 5464.0, 5623.0, 5338.0, 5645.0, 5683.0, 5523.0, 5559.0, 5366.0, 5394.0, 5525.0, 5387.0, 5597.0, 5701.0, 5695.0, 5346.0, 5258.0, 5408.0, 5390.0, 5699.0, 5572.0, 5311.0, 5452.0, 5477.0, 5489.0, 5694.0, 5391.0, 5599.0, 5620.0, 5333.0, 5584.0, 5520.0, 5375.0, 5607.0, 5457.0, 5538.0, 5549.0, 5561.0, 5295.0, 5449.0, 5425.0, 5269.0, 5341.0, 5512.0, 5275.0, 5431.0, 5533.0, 5577.0, 5513.0, 5522.0, 5344.0, 5423.0, 5629.0, 5369.0, 5528.0, 5350.0, 5271.0, 5568.0, 5637.0, 5693.0, 5332.0, 5677.0, 5621.0, 5345.0, 5427.0, 5503.0, 5308.0, 5492.0, 5719.0, 5490.0, 5671.0, 5265.0, 5370.0, 5575.0, 5384.0, 5574.0, 5537.0, 5654.0, 5591.0, 5659.0, 5684.0, 5381.0, 5309.0, 5456.0, 5445.0, 5619.0, 5483.0, 5254.0, 5336.0, 5432.0, 5405.0, 5722.0, 5640.0, 5367.0, 5450.0 (number of hits: 16)
2	5530.0	9	1.0	333	1	5376.0, 5476.0, 5681.0, 5383.0, 5572.0, 5404.0, 5594.0, 5550.0, 5322.0, 5596.0, 5635.0, 5630.0, 5656.0, 5519.0, 5637.0, 5269.0, 5461.0, 5489.0, 5562.0, 5556.0, 5660.0, 5435.0, 5522.0, 5511.0, 5463.0, 5412.0, 5559.0, 5702.0, 5318.0, 5398.0, 5564.0, 5609.0, 5624.0, 5487.0, 5382.0, 5312.0, 5251.0, 5709.0, 5280.0, 5724.0, 5351.0, 5662.0, 5358.0, 5263.0, 5329.0, 5499.0, 5445.0, 5459.0, 5264.0, 5592.0, 5326.0, 5673.0, 5430.0, 5315.0, 5278.0, 5491.0, 5714.0, 5316.0, 5465.0, 5608.0, 5618.0, 5565.0, 5506.0, 5648.0, 5653.0, 5666.0, 5300.0, 5387.0, 5525.0, 5451.0, 5686.0, 5639.0, 5629.0, 5649.0, 5598.0, 5622.0, 5417.0, 5607.0, 5601.0, 5581.0, 5443.0, 5545.0, 5636.0, 5585.0, 5425.0, 5464.0, 5294.0, 5296.0, 5439.0, 5475.0, 5413.0, 5504.0, 5305.0, 5558.0, 5359.0, 5626.0, 5303.0, 5551.0, 5477.0, 5354.0 (number of hits: 17)
3	5530.0	9	1.0	333	1	5463.0, 5548.0, 5426.0, 5625.0, 5327.0, 5419.0, 5675.0, 5512.0, 5400.0, 5528.0, 5343.0, 5251.0, 5369.0, 5602.0, 5271.0, 5301.0, 5647.0, 5299.0, 5537.0, 5684.0, 5598.0, 5382.0, 5292.0, 5313.0, 5533.0, 5718.0, 5316.0, 5364.0, 5441.0, 5534.0, 5472.0, 5420.0, 5584.0, 5444.0, 5398.0, 5387.0, 5657.0, 5431.0, 5421.0, 5253.0, 5256.0, 5670.0, 5714.0, 5508.0, 5518.0, 5502.0, 5623.0, 5277.0, 5340.0, 5262.0, 5721.0, 5590.0, 5374.0, 5566.0, 5279.0, 5318.0, 5697.0, 5709.0, 5560.0, 5378.0, 5491.0, 5556.0, 5377.0, 5268.0, 5690.0, 5717.0, 5462.0, 5252.0, 5507.0, 5496.0, 5701.0, 5407.0, 5464.0, 5414.0, 5619.0, 5456.0, 5334.0, 5541.0, 5682.0, 5654.0, 5289.0, 5570.0, 5543.0, 5629.0, 5349.0, 5621.0, 5597.0, 5469.0, 5283.0, 5465.0, 5672.0, 5702.0, 5545.0, 5549.0, 5485.0, 5577.0, 5600.0, 5335.0, 5269.0, 5341.0 (number of hits: 19)
4	5530.0	9	1.0	333	1	5268.0, 5361.0, 5581.0, 5522.0, 5263.0, 5336.0, 5488.0, 5578.0, 5428.0, 5490.0, 5366.0, 5599.0, 5635.0, 5516.0, 5690.0, 5642.0, 5358.0, 5552.0, 5615.0, 5267.0, 5604.0, 5284.0, 5410.0, 5630.0, 5678.0, 5367.0, 5628.0, 5723.0, 5489.0, 5537.0, 5447.0, 5469.0, 5374.0, 5501.0, 5591.0, 5664.0, 5651.0, 5260.0, 5528.0, 5407.0, 5393.0, 5566.0, 5306.0, 5558.0, 5663.0, 5278.0, 5571.0, 5659.0, 5577.0, 5535.0, 5606.0, 5554.0, 5448.0, 5631.0, 5555.0, 5626.0, 5274.0, 5342.0, 5706.0, 5503.0, 5316.0, 5698.0, 5491.0, 5293.0, 5648.0, 5531.0, 5332.0, 5388.0, 5534.0, 5700.0,

						5564.0, 5337.0, 5473.0, 5371.0, 5438.0, 5326.0, 5276.0, 5415.0, 5481.0, 5722.0, 5383.0, 5640.0, 5379.0, 5343.0, 5353.0, 5313.0, 5620.0, 5349.0, 5384.0, 5266.0, 5487.0, 5359.0, 5455.0, 5508.0, 5433.0, 5413.0, 5608.0, 5500.0, 5429.0, 5435.0 (number of hits: 18)
5	5530.0	9	1.0	333	1	5417.0, 5354.0, 5398.0, 5669.0, 5548.0, 5581.0, 5678.0, 5310.0, 5720.0, 5701.0, 5599.0, 5313.0, 5650.0, 5716.0, 5406.0, 5597.0, 5415.0, 5281.0, 5670.0, 5480.0, 5429.0, 5708.0, 5506.0, 5387.0, 5330.0, 5324.0, 5420.0, 5579.0, 5588.0, 5707.0, 5642.0, 5614.0, 5625.0, 5525.0, 5697.0, 5571.0, 5723.0, 5619.0, 5472.0, 5583.0, 5436.0, 5358.0, 5621.0, 5422.0, 5383.0, 5712.0, 5618.0, 5546.0, 5559.0, 5658.0, 5331.0, 5722.0, 5456.0, 5321.0, 5656.0, 5534.0, 5709.0, 5541.0, 5572.0, 5470.0, 5519.0, 5371.0, 5307.0, 5558.0, 5391.0, 5454.0, 5635.0, 5340.0, 5305.0, 5401.0, 5252.0, 5504.0, 5488.0, 5648.0, 5604.0, 5344.0, 5438.0, 5617.0, 5515.0, 5700.0, 5582.0, 5605.0, 5555.0, 5275.0, 5271.0, 5721.0, 5349.0, 5475.0, 5419.0, 5508.0, 5682.0, 5379.0, 5351.0, 5390.0, 5545.0, 5254.0, 5653.0, 5675.0, 5512.0, 5315.0 (number of hits: 15)
6	5530.0	9	1.0	333	1	5264.0, 5361.0, 5530.0, 5496.0, 5323.0, 5574.0, 5679.0, 5690.0, 5401.0, 5709.0, 5464.0, 5317.0, 5335.0, 5326.0, 5341.0, 5515.0, 5564.0, 5665.0, 5330.0, 5463.0, 5453.0, 5525.0, 5363.0, 5447.0, 5711.0, 5706.0, 5345.0, 5707.0, 5282.0, 5448.0, 5329.0, 5559.0, 5634.0, 5623.0, 5594.0, 5600.0, 5503.0, 5266.0, 5719.0, 5257.0, 5398.0, 5568.0, 5441.0, 5622.0, 5587.0, 5449.0, 5582.0, 5653.0, 5346.0, 5412.0, 5590.0, 5480.0, 5517.0, 5284.0, 5415.0, 5309.0, 5328.0, 5479.0, 5598.0, 5703.0, 5413.0, 5332.0, 5633.0, 5367.0, 5683.0, 5610.0, 5534.0, 5672.0, 5292.0, 5259.0, 5589.0, 5365.0, 5606.0, 5273.0, 5575.0, 5407.0, 5723.0, 5699.0, 5334.0, 5269.0, 5628.0, 5668.0, 5485.0, 5654.0, 5250.0, 5418.0, 5402.0, 5528.0, 5609.0, 5549.0, 5556.0, 5555.0, 5584.0, 5417.0, 5371.0, 5404.0, 5578.0, 5630.0, 5513.0, 5561.0 (number of hits: 16)
7	5530.0	9	1.0	333	1	5580.0, 5678.0, 5575.0, 5490.0, 5658.0, 5488.0, 5320.0, 5358.0, 5301.0, 5344.0, 5513.0, 5467.0, 5393.0, 5385.0, 5684.0, 5379.0, 5587.0, 5348.0, 5378.0, 5330.0, 5564.0, 5399.0, 5574.0, 5257.0, 5457.0, 5639.0, 5593.0, 5601.0, 5317.0, 5621.0, 5602.0, 5340.0, 5552.0, 5370.0, 5369.0, 5332.0, 5323.0, 5292.0, 5413.0, 5635.0, 5477.0, 5691.0, 5697.0, 5533.0, 5619.0, 5470.0, 5645.0, 5287.0, 5321.0, 5699.0, 5288.0, 5654.0, 5431.0, 5509.0, 5364.0, 5409.0, 5633.0, 5610.0, 5492.0, 5515.0, 5359.0, 5294.0, 5410.0, 5465.0, 5468.0, 5659.0, 5472.0, 5265.0, 5353.0, 5398.0, 5671.0, 5650.0, 5640.0, 5538.0, 5718.0, 5356.0, 5363.0, 5722.0, 5544.0, 5424.0, 5338.0, 5618.0, 5278.0, 5630.0, 5351.0, 5681.0, 5429.0, 5702.0, 5382.0, 5556.0, 5271.0, 5309.0, 5373.0, 5518.0, 5689.0, 5442.0, 5318.0, 5487.0, 5473.0, 5441.0 (number of hits: 11)
8	5530.0	9	1.0	333	1	5543.0, 5693.0, 5313.0, 5583.0, 5587.0, 5346.0, 5372.0, 5580.0, 5595.0, 5509.0, 5388.0, 5704.0, 5639.0, 5353.0, 5304.0, 5434.0, 5327.0, 5553.0, 5299.0, 5681.0, 5604.0, 5268.0, 5396.0, 5623.0, 5541.0, 5305.0, 5413.0, 5678.0, 5611.0, 5531.0, 5669.0, 5719.0, 5655.0, 5373.0, 5721.0, 5619.0, 5404.0, 5547.0, 5647.0, 5511.0, 5340.0, 5544.0, 5503.0, 5618.0, 5254.0, 5402.0, 5672.0, 5612.0, 5332.0, 5648.0, 5448.0, 5679.0, 5389.0, 5266.0, 5573.0, 5466.0, 5718.0, 5400.0, 5575.0, 5251.0, 5474.0, 5407.0, 5715.0, 5560.0, 5554.0, 5688.0, 5631.0, 5406.0, 5272.0, 5570.0, 5308.0, 5454.0, 5324.0, 5421.0, 5302.0, 5572.0, 5250.0,

						5507.0, 5287.0, 5399.0, 5343.0, 5428.0, 5578.0, 5478.0, 5637.0, 5342.0, 5656.0, 5345.0, 5617.0, 5316.0, 5438.0, 5689.0, 5692.0, 5706.0, 5566.0, 5555.0, 5420.0, 5594.0, 5668.0, 5533.0 (number of hits: 15)
9	5530.0	9	1.0	333	1	5444.0, 5426.0, 5333.0, 5486.0, 5326.0, 5381.0, 5340.0, 5648.0, 5265.0, 5531.0, 5330.0, 5378.0, 5545.0, 5559.0, 5597.0, 5314.0, 5380.0, 5692.0, 5550.0, 5717.0, 5708.0, 5674.0, 5515.0, 5631.0, 5285.0, 5279.0, 5309.0, 5258.0, 5595.0, 5252.0, 5493.0, 5614.0, 5283.0, 5459.0, 5704.0, 5275.0, 5296.0, 5724.0, 5516.0, 5654.0, 5669.0, 5577.0, 5627.0, 5665.0, 5718.0, 5667.0, 5293.0, 5452.0, 5336.0, 5437.0, 5714.0, 5600.0, 5582.0, 5286.0, 5422.0, 5251.0, 5644.0, 5557.0, 5518.0, 5328.0, 5503.0, 5304.0, 5588.0, 5636.0, 5547.0, 5656.0, 5536.0, 5541.0, 5535.0, 5433.0, 5613.0, 5255.0, 5647.0, 5699.0, 5357.0, 5616.0, 5313.0, 5347.0, 5537.0, 5554.0, 5710.0, 5295.0, 5372.0, 5310.0, 5305.0, 5464.0, 5361.0, 5497.0, 5609.0, 5657.0, 5368.0, 5713.0, 5670.0, 5611.0, 5269.0, 5671.0, 5425.0, 5508.0, 5679.0, 5572.0 (number of hits: 18)
10	5530.0	9	1.0	333	1	5441.0, 5304.0, 5535.0, 5305.0, 5709.0, 5355.0, 5410.0, 5309.0, 5494.0, 5287.0, 5284.0, 5327.0, 5351.0, 5371.0, 5561.0, 5684.0, 5468.0, 5663.0, 5519.0, 5312.0, 5491.0, 5396.0, 5442.0, 5405.0, 5643.0, 5706.0, 5354.0, 5336.0, 5256.0, 5710.0, 5329.0, 5299.0, 5383.0, 5630.0, 5325.0, 5348.0, 5599.0, 5317.0, 5252.0, 5614.0, 5657.0, 5522.0, 5610.0, 5452.0, 5619.0, 5343.0, 5332.0, 5722.0, 5321.0, 5637.0, 5260.0, 5372.0, 5428.0, 5439.0, 5594.0, 5323.0, 5475.0, 5567.0, 5678.0, 5528.0, 5699.0, 5579.0, 5544.0, 5324.0, 5379.0, 5397.0, 5292.0, 5520.0, 5586.0, 5616.0, 5624.0, 5589.0, 5262.0, 5582.0, 5416.0, 5631.0, 5273.0, 5408.0, 5275.0, 5462.0, 5345.0, 5495.0, 5464.0, 5298.0, 5580.0, 5715.0, 5531.0, 5648.0, 5550.0, 5683.0, 5279.0, 5532.0, 5255.0, 5676.0, 5626.0, 5661.0, 5533.0, 5650.0, 5295.0, 5374.0 (number of hits: 15)
11	5530.0	9	1.0	333	1	5547.0, 5415.0, 5424.0, 5509.0, 5707.0, 5270.0, 5704.0, 5589.0, 5357.0, 5721.0, 5460.0, 5708.0, 5370.0, 5501.0, 5527.0, 5426.0, 5341.0, 5454.0, 5297.0, 5264.0, 5317.0, 5534.0, 5537.0, 5568.0, 5302.0, 5282.0, 5535.0, 5629.0, 5713.0, 5630.0, 5313.0, 5550.0, 5683.0, 5299.0, 5463.0, 5353.0, 5586.0, 5412.0, 5365.0, 5666.0, 5715.0, 5394.0, 5563.0, 5598.0, 5403.0, 5315.0, 5500.0, 5518.0, 5672.0, 5699.0, 5611.0, 5645.0, 5431.0, 5410.0, 5651.0, 5474.0, 5498.0, 5289.0, 5652.0, 5596.0, 5570.0, 5433.0, 5449.0, 5525.0, 5505.0, 5561.0, 5338.0, 5382.0, 5471.0, 5381.0, 5438.0, 5608.0, 5477.0, 5674.0, 5685.0, 5261.0, 5461.0, 5347.0, 5418.0, 5301.0, 5481.0, 5486.0, 5634.0, 5466.0, 5414.0, 5340.0, 5610.0, 5562.0, 5502.0, 5510.0, 5268.0, 5491.0, 5343.0, 5257.0, 5516.0, 5636.0, 5587.0, 5517.0, 5604.0, 5283.0 (number of hits: 22)
12	5530.0	9	1.0	333	1	5549.0, 5623.0, 5683.0, 5280.0, 5631.0, 5684.0, 5564.0, 5394.0, 5612.0, 5697.0, 5658.0, 5569.0, 5615.0, 5495.0, 5351.0, 5718.0, 5563.0, 5411.0, 5493.0, 5570.0, 5321.0, 5400.0, 5274.0, 5397.0, 5261.0, 5463.0, 5292.0, 5354.0, 5638.0, 5286.0, 5282.0, 5659.0, 5619.0, 5380.0, 5608.0, 5382.0, 5487.0, 5421.0, 5477.0, 5398.0, 5626.0, 5520.0, 5407.0, 5251.0, 5416.0, 5424.0, 5572.0, 5550.0, 5574.0, 5431.0, 5622.0, 5642.0, 5360.0, 5256.0, 5591.0, 5602.0, 5334.0, 5716.0, 5721.0, 5423.0, 5271.0, 5355.0, 5641.0, 5297.0, 5479.0, 5406.0, 5714.0, 5250.0, 5279.0, 5547.0, 5607.0, 5581.0, 5509.0, 5322.0, 5390.0, 5712.0, 5383.0, 5300.0, 5690.0, 5700.0, 5344.0, 5705.0, 5601.0, 5278.0,

						5546.0, 5511.0, 5418.0, 5556.0, 5723.0, 5541.0, 5401.0, 5381.0, 5565.0, 5562.0, 5691.0, 5694.0, 5528.0, 5318.0, 5665.0, 5522.0 (number of hits: 17)
13	5530.0	9	1.0	333	1	5252.0, 5656.0, 5692.0, 5553.0, 5423.0, 5703.0, 5372.0, 5364.0, 5683.0, 5498.0, 5318.0, 5392.0, 5607.0, 5365.0, 5433.0, 5691.0, 5648.0, 5261.0, 5347.0, 5262.0, 5635.0, 5284.0, 5523.0, 5598.0, 5697.0, 5303.0, 5615.0, 5315.0, 5533.0, 5454.0, 5321.0, 5453.0, 5708.0, 5373.0, 5681.0, 5605.0, 5548.0, 5398.0, 5455.0, 5452.0, 5578.0, 5390.0, 5679.0, 5654.0, 5268.0, 5485.0, 5446.0, 5604.0, 5574.0, 5643.0, 5704.0, 5290.0, 5305.0, 5258.0, 5313.0, 5560.0, 5310.0, 5561.0, 5513.0, 5324.0, 5661.0, 5642.0, 5304.0, 5254.0, 5685.0, 5272.0, 5253.0, 5608.0, 5552.0, 5666.0, 5368.0, 5623.0, 5422.0, 5335.0, 5542.0, 5264.0, 5509.0, 5265.0, 5255.0, 5426.0, 5353.0, 5630.0, 5473.0, 5529.0, 5467.0, 5569.0, 5384.0, 5263.0, 5393.0, 5503.0, 5311.0, 5504.0, 5543.0, 5387.0, 5624.0, 5514.0, 5487.0, 5331.0, 5256.0, 5562.0 (number of hits: 17)
14	5530.0	9	1.0	333	1	5604.0, 5301.0, 5289.0, 5434.0, 5494.0, 5318.0, 5330.0, 5502.0, 5675.0, 5411.0, 5609.0, 5670.0, 5414.0, 5273.0, 5702.0, 5605.0, 5523.0, 5270.0, 5329.0, 5649.0, 5379.0, 5597.0, 5403.0, 5304.0, 5707.0, 5360.0, 5286.0, 5371.0, 5555.0, 5313.0, 5694.0, 5386.0, 5259.0, 5685.0, 5663.0, 5584.0, 5369.0, 5632.0, 5479.0, 5385.0, 5648.0, 5554.0, 5508.0, 5477.0, 5633.0, 5638.0, 5398.0, 5518.0, 5401.0, 5345.0, 5338.0, 5556.0, 5544.0, 5413.0, 5591.0, 5498.0, 5656.0, 5653.0, 5629.0, 5526.0, 5253.0, 5467.0, 5382.0, 5590.0, 5377.0, 5481.0, 5316.0, 5549.0, 5571.0, 5641.0, 5499.0, 5524.0, 5425.0, 5433.0, 5419.0, 5358.0, 5473.0, 5271.0, 5657.0, 5492.0, 5703.0, 5698.0, 5307.0, 5274.0, 5537.0, 5439.0, 5394.0, 5447.0, 5365.0, 5561.0, 5343.0, 5721.0, 5458.0, 5557.0, 5438.0, 5564.0, 5536.0, 5383.0, 5679.0, 5699.0 (number of hits: 20)
15	5530.0	9	1.0	333	1	5339.0, 5619.0, 5621.0, 5436.0, 5654.0, 5530.0, 5333.0, 5570.0, 5498.0, 5450.0, 5267.0, 5698.0, 5635.0, 5336.0, 5492.0, 5271.0, 5710.0, 5461.0, 5399.0, 5367.0, 5595.0, 5679.0, 5313.0, 5539.0, 5299.0, 5617.0, 5366.0, 5694.0, 5350.0, 5427.0, 5501.0, 5392.0, 5480.0, 5500.0, 5567.0, 5497.0, 5458.0, 5644.0, 5665.0, 5321.0, 5670.0, 5282.0, 5404.0, 5487.0, 5683.0, 5622.0, 5641.0, 5519.0, 5689.0, 5655.0, 5331.0, 5599.0, 5673.0, 5705.0, 5288.0, 5368.0, 5582.0, 5338.0, 5495.0, 5473.0, 5531.0, 5586.0, 5507.0, 5596.0, 5251.0, 5416.0, 5363.0, 5276.0, 5594.0, 5588.0, 5284.0, 5583.0, 5323.0, 5533.0, 5289.0, 5593.0, 5609.0, 5577.0, 5307.0, 5636.0, 5424.0, 5431.0, 5301.0, 5298.0, 5695.0, 5376.0, 5562.0, 5349.0, 5352.0, 5561.0, 5397.0, 5295.0, 5630.0, 5274.0, 5351.0, 5624.0, 5657.0, 5381.0, 5315.0, 5557.0 (number of hits: 16)
16	5530.0	9	1.0	333	1	5257.0, 5293.0, 5522.0, 5468.0, 5433.0, 5546.0, 5277.0, 5547.0, 5382.0, 5591.0, 5274.0, 5504.0, 5417.0, 5421.0, 5670.0, 5637.0, 5328.0, 5655.0, 5331.0, 5426.0, 5383.0, 5646.0, 5380.0, 5400.0, 5299.0, 5661.0, 5576.0, 5662.0, 5285.0, 5544.0, 5275.0, 5450.0, 5660.0, 5624.0, 5569.0, 5332.0, 5391.0, 5329.0, 5313.0, 5618.0, 5398.0, 5487.0, 5422.0, 5289.0, 5496.0, 5307.0, 5345.0, 5259.0, 5304.0, 5570.0, 5619.0, 5415.0, 5553.0, 5705.0, 5580.0, 5565.0, 5334.0, 5370.0, 5603.0, 5435.0, 5694.0, 5378.0, 5589.0, 5687.0, 5672.0, 5407.0, 5436.0, 5611.0, 5523.0, 5498.0, 5559.0, 5338.0, 5278.0, 5376.0, 5264.0, 5310.0, 5339.0, 5430.0, 5617.0, 5384.0, 5475.0, 5388.0, 5499.0, 5416.0, 5602.0, 5574.0, 5356.0, 5290.0, 5631.0, 5527.0, 5690.0,

						5573.0, 5529.0, 5525.0, 5508.0, 5512.0, 5434.0, 5605.0, 5255.0, 5315.0 (number of hits: 17)
17	5530.0	9	1.0	333	1	5571.0, 5331.0, 5311.0, 5668.0, 5721.0, 5433.0, 5578.0, 5263.0, 5309.0, 5529.0, 5565.0, 5325.0, 5484.0, 5494.0, 5402.0, 5707.0, 5628.0, 5604.0, 5508.0, 5625.0, 5379.0, 5343.0, 5600.0, 5649.0, 5586.0, 5459.0, 5651.0, 5603.0, 5706.0, 5545.0, 5267.0, 5414.0, 5615.0, 5369.0, 5257.0, 5587.0, 5303.0, 5452.0, 5472.0, 5438.0, 5302.0, 5363.0, 5279.0, 5609.0, 5289.0, 5444.0, 5345.0, 5400.0, 5589.0, 5485.0, 5669.0, 5468.0, 5531.0, 5616.0, 5519.0, 5333.0, 5395.0, 5562.0, 5606.0, 5713.0, 5675.0, 5711.0, 5667.0, 5397.0, 5252.0, 5254.0, 5690.0, 5294.0, 5720.0, 5715.0, 5273.0, 5280.0, 5620.0, 5337.0, 5504.0, 5477.0, 5327.0, 5335.0, 5453.0, 5278.0, 5661.0, 5563.0, 5678.0, 5532.0, 5354.0, 5429.0, 5581.0, 5671.0, 5594.0, 5602.0, 5360.0, 5300.0, 5421.0, 5418.0, 5583.0, 5561.0, 5575.0, 5506.0, 5310.0, 5631.0 (number of hits: 13)
18	5530.0	9	1.0	333	1	5616.0, 5437.0, 5452.0, 5290.0, 5309.0, 5711.0, 5556.0, 5263.0, 5306.0, 5450.0, 5322.0, 5697.0, 5525.0, 5537.0, 5666.0, 5695.0, 5680.0, 5546.0, 5472.0, 5253.0, 5432.0, 5345.0, 5490.0, 5572.0, 5481.0, 5576.0, 5514.0, 5435.0, 5560.0, 5324.0, 5641.0, 5517.0, 5300.0, 5423.0, 5678.0, 5569.0, 5431.0, 5720.0, 5643.0, 5326.0, 5369.0, 5612.0, 5358.0, 5621.0, 5311.0, 5394.0, 5291.0, 5304.0, 5285.0, 5343.0, 5339.0, 5380.0, 5417.0, 5333.0, 5505.0, 5397.0, 5539.0, 5582.0, 5373.0, 5379.0, 5493.0, 5608.0, 5415.0, 5644.0, 5630.0, 5524.0, 5443.0, 5627.0, 5497.0, 5660.0, 5667.0, 5681.0, 5314.0, 5640.0, 5635.0, 5342.0, 5708.0, 5438.0, 5288.0, 5454.0, 5376.0, 5465.0, 5687.0, 5277.0, 5721.0, 5714.0, 5577.0, 5483.0, 5323.0, 5337.0, 5442.0, 5411.0, 5532.0, 5467.0, 5610.0, 5516.0, 5406.0, 5301.0, 5418.0, 5254.0 (number of hits: 14)
19	5530.0	9	1.0	333	1	5475.0, 5359.0, 5472.0, 5377.0, 5511.0, 5426.0, 5640.0, 5558.0, 5443.0, 5289.0, 5531.0, 5274.0, 5370.0, 5676.0, 5664.0, 5486.0, 5585.0, 5621.0, 5452.0, 5449.0, 5611.0, 5379.0, 5534.0, 5603.0, 5312.0, 5398.0, 5288.0, 5356.0, 5637.0, 5573.0, 5471.0, 5434.0, 5423.0, 5579.0, 5623.0, 5429.0, 5501.0, 5291.0, 5431.0, 5684.0, 5445.0, 5606.0, 5503.0, 5271.0, 5507.0, 5550.0, 5545.0, 5264.0, 5407.0, 5656.0, 5419.0, 5258.0, 5462.0, 5680.0, 5369.0, 5576.0, 5290.0, 5414.0, 5681.0, 5300.0, 5311.0, 5299.0, 5639.0, 5447.0, 5538.0, 5307.0, 5483.0, 5713.0, 5418.0, 5262.0, 5683.0, 5564.0, 5302.0, 5689.0, 5478.0, 5508.0, 5267.0, 5570.0, 5275.0, 5344.0, 5286.0, 5575.0, 5605.0, 5467.0, 5448.0, 5691.0, 5331.0, 5433.0, 5655.0, 5709.0, 5548.0, 5613.0, 5616.0, 5278.0, 5487.0, 5308.0, 5540.0, 5516.0, 5556.0, 5505.0 (number of hits: 17)
20	5530.0	9	1.0	333	1	5516.0, 5615.0, 5320.0, 5613.0, 5684.0, 5641.0, 5374.0, 5501.0, 5254.0, 5280.0, 5281.0, 5568.0, 5468.0, 5676.0, 5673.0, 5432.0, 5410.0, 5342.0, 5656.0, 5481.0, 5658.0, 5717.0, 5463.0, 5375.0, 5373.0, 5617.0, 5469.0, 5512.0, 5360.0, 5552.0, 5549.0, 5569.0, 5542.0, 5321.0, 5722.0, 5294.0, 5380.0, 5557.0, 5435.0, 5667.0, 5527.0, 5657.0, 5538.0, 5674.0, 5618.0, 5388.0, 5271.0, 5596.0, 5286.0, 5647.0, 5697.0, 5524.0, 5359.0, 5419.0, 5379.0, 5688.0, 5666.0, 5390.0, 5564.0, 5603.0, 5599.0, 5314.0, 5311.0, 5488.0, 5334.0, 5649.0, 5490.0, 5638.0, 5513.0, 5430.0, 5331.0, 5623.0, 5485.0, 5439.0, 5536.0, 5629.0, 5417.0, 5515.0, 5500.0, 5632.0, 5420.0, 5483.0, 5694.0, 5523.0, 5718.0, 5393.0, 5689.0, 5442.0, 5454.0, 5579.0, 5679.0, 5650.0, 5709.0, 5292.0, 5559.0, 5507.0, 5400.0, 5554.0,

						5303.0, 5475.0 (number of hits: 20)
21	5530.0	9	1.0	333	1	5415.0, 5584.0, 5521.0, 5275.0, 5522.0, 5535.0, 5431.0, 5472.0, 5466.0, 5346.0, 5393.0, 5506.0, 5664.0, 5338.0, 5268.0, 5306.0, 5490.0, 5538.0, 5427.0, 5390.0, 5261.0, 5449.0, 5335.0, 5455.0, 5342.0, 5452.0, 5454.0, 5528.0, 5672.0, 5291.0, 5255.0, 5311.0, 5316.0, 5614.0, 5446.0, 5625.0, 5695.0, 5650.0, 5524.0, 5381.0, 5433.0, 5588.0, 5557.0, 5612.0, 5536.0, 5463.0, 5688.0, 5468.0, 5514.0, 5631.0, 5626.0, 5460.0, 5615.0, 5661.0, 5405.0, 5257.0, 5252.0, 5308.0, 5526.0, 5410.0, 5594.0, 5651.0, 5373.0, 5362.0, 5408.0, 5608.0, 5714.0, 5659.0, 5601.0, 5623.0, 5403.0, 5580.0, 5704.0, 5592.0, 5432.0, 5486.0, 5550.0, 5591.0, 5364.0, 5435.0, 5649.0, 5329.0, 5474.0, 5332.0, 5682.0, 5710.0, 5429.0, 5344.0, 5666.0, 5328.0, 5269.0, 5413.0, 5697.0, 5706.0, 5485.0, 5636.0, 5441.0, 5669.0, 5459.0, 5418.0 (number of hits: 12)
22	5530.0	9	1.0	333	1	5359.0, 5335.0, 5422.0, 5447.0, 5670.0, 5474.0, 5674.0, 5341.0, 5416.0, 5613.0, 5357.0, 5408.0, 5680.0, 5511.0, 5442.0, 5292.0, 5687.0, 5713.0, 5621.0, 5616.0, 5409.0, 5669.0, 5331.0, 5426.0, 5321.0, 5673.0, 5651.0, 5286.0, 5280.0, 5593.0, 5260.0, 5597.0, 5548.0, 5604.0, 5459.0, 5645.0, 5609.0, 5634.0, 5715.0, 5339.0, 5682.0, 5405.0, 5314.0, 5665.0, 5596.0, 5301.0, 5662.0, 5720.0, 5656.0, 5470.0, 5558.0, 5360.0, 5719.0, 5496.0, 5361.0, 5640.0, 5507.0, 5351.0, 5427.0, 5664.0, 5648.0, 5333.0, 5506.0, 5672.0, 5626.0, 5281.0, 5319.0, 5559.0, 5312.0, 5517.0, 5547.0, 5338.0, 5599.0, 5288.0, 5462.0, 5296.0, 5565.0, 5302.0, 5480.0, 5463.0, 5710.0, 5643.0, 5678.0, 5585.0, 5622.0, 5512.0, 5419.0, 5532.0, 5329.0, 5652.0, 5411.0, 5460.0, 5615.0, 5254.0, 5641.0, 5699.0, 5601.0, 5688.0, 5400.0, 5425.0 (number of hits: 12)
23	5530.0	9	1.0	333	1	5704.0, 5584.0, 5347.0, 5423.0, 5565.0, 5520.0, 5595.0, 5321.0, 5534.0, 5721.0, 5491.0, 5566.0, 5255.0, 5550.0, 5265.0, 5262.0, 5299.0, 5557.0, 5610.0, 5414.0, 5592.0, 5426.0, 5706.0, 5316.0, 5620.0, 5652.0, 5723.0, 5598.0, 5575.0, 5401.0, 5254.0, 5719.0, 5484.0, 5681.0, 5357.0, 5515.0, 5422.0, 5686.0, 5394.0, 5678.0, 5487.0, 5377.0, 5492.0, 5549.0, 5654.0, 5703.0, 5388.0, 5370.0, 5466.0, 5716.0, 5685.0, 5276.0, 5460.0, 5286.0, 5452.0, 5485.0, 5645.0, 5275.0, 5346.0, 5449.0, 5476.0, 5612.0, 5630.0, 5642.0, 5505.0, 5442.0, 5366.0, 5385.0, 5378.0, 5648.0, 5432.0, 5300.0, 5581.0, 5323.0, 5454.0, 5643.0, 5510.0, 5634.0, 5412.0, 5601.0, 5371.0, 5256.0, 5369.0, 5542.0, 5344.0, 5670.0, 5277.0, 5602.0, 5325.0, 5526.0, 5668.0, 5459.0, 5374.0, 5675.0, 5543.0, 5613.0, 5626.0, 5373.0, 5261.0, 5305.0 (number of hits: 15)
24	5530.0	9	1.0	333	1	5557.0, 5346.0, 5506.0, 5263.0, 5677.0, 5593.0, 5640.0, 5318.0, 5393.0, 5253.0, 5454.0, 5562.0, 5538.0, 5613.0, 5521.0, 5408.0, 5462.0, 5392.0, 5583.0, 5476.0, 5584.0, 5682.0, 5643.0, 5623.0, 5340.0, 5644.0, 5380.0, 5299.0, 5448.0, 5388.0, 5333.0, 5528.0, 5294.0, 5328.0, 5627.0, 5647.0, 5469.0, 5660.0, 5446.0, 5282.0, 5631.0, 5668.0, 5394.0, 5579.0, 5278.0, 5386.0, 5406.0, 5295.0, 5371.0, 5401.0, 5619.0, 5441.0, 5701.0, 5417.0, 5566.0, 5264.0, 5440.0, 5501.0, 5571.0, 5563.0, 5432.0, 5666.0, 5288.0, 5625.0, 5610.0, 5334.0, 5389.0, 5397.0, 5675.0, 5548.0, 5375.0, 5306.0, 5512.0, 5453.0, 5553.0, 5543.0, 5307.0, 5511.0, 5630.0, 5257.0, 5663.0, 5602.0, 5720.0, 5424.0, 5447.0, 5385.0, 5683.0, 5303.0, 5266.0, 5490.0, 5518.0, 5405.0, 5351.0, 5358.0, 5705.0, 5503.0, 5689.0, 5251.0, 5555.0, 5437.0 (number of hits: 17)

25	5530.0	9	1.0	333	1	5310.0, 5339.0, 5286.0, 5447.0, 5588.0, 5656.0, 5443.0, 5267.0, 5367.0, 5483.0, 5257.0, 5573.0, 5460.0, 5665.0, 5580.0, 5512.0, 5374.0, 5667.0, 5686.0, 5621.0, 5427.0, 5258.0, 5713.0, 5333.0, 5444.0, 5581.0, 5409.0, 5385.0, 5565.0, 5522.0, 5442.0, 5620.0, 5507.0, 5325.0, 5662.0, 5300.0, 5678.0, 5441.0, 5629.0, 5265.0, 5262.0, 5530.0, 5547.0, 5459.0, 5498.0, 5378.0, 5411.0, 5590.0, 5567.0, 5509.0, 5619.0, 5295.0, 5288.0, 5362.0, 5696.0, 5486.0, 5455.0, 5637.0, 5599.0, 5479.0, 5504.0, 5448.0, 5428.0, 5682.0, 5577.0, 5261.0, 5250.0, 5433.0, 5574.0, 5384.0, 5493.0, 5689.0, 5598.0, 5593.0, 5551.0, 5290.0, 5606.0, 5436.0, 5293.0, 5424.0, 5510.0, 5657.0, 5602.0, 5334.0, 5594.0, 5259.0, 5702.0, 5394.0, 5576.0, 5540.0, 5543.0, 5649.0, 5692.0, 5660.0, 5548.0, 5658.0, 5446.0, 5425.0, 5561.0, 5264.0 (number of hits: 17)
26	5530.0	9	1.0	333	1	5356.0, 5624.0, 5351.0, 5286.0, 5465.0, 5679.0, 5579.0, 5595.0, 5589.0, 5652.0, 5410.0, 5292.0, 5443.0, 5685.0, 5534.0, 5518.0, 5691.0, 5565.0, 5357.0, 5686.0, 5444.0, 5562.0, 5396.0, 5712.0, 5339.0, 5520.0, 5371.0, 5267.0, 5269.0, 5703.0, 5508.0, 5648.0, 5263.0, 5614.0, 5661.0, 5383.0, 5721.0, 5696.0, 5655.0, 5645.0, 5547.0, 5711.0, 5375.0, 5542.0, 5723.0, 5559.0, 5543.0, 5587.0, 5681.0, 5392.0, 5402.0, 5430.0, 5341.0, 5314.0, 5483.0, 5459.0, 5442.0, 5405.0, 5673.0, 5401.0, 5596.0, 5590.0, 5406.0, 5482.0, 5709.0, 5612.0, 5259.0, 5635.0, 5639.0, 5277.0, 5676.0, 5362.0, 5275.0, 5387.0, 5625.0, 5435.0, 5630.0, 5395.0, 5608.0, 5315.0, 5319.0, 5389.0, 5312.0, 5613.0, 5439.0, 5563.0, 5591.0, 5424.0, 5481.0, 5373.0, 5255.0, 5345.0, 5702.0, 5616.0, 5669.0, 5293.0, 5611.0, 5539.0, 5636.0, 5704.0 (number of hits: 12)
27	5530.0	9	1.0	333	1	5400.0, 5572.0, 5683.0, 5426.0, 5461.0, 5463.0, 5658.0, 5333.0, 5498.0, 5540.0, 5359.0, 5653.0, 5464.0, 5447.0, 5332.0, 5348.0, 5372.0, 5479.0, 5473.0, 5454.0, 5377.0, 5256.0, 5536.0, 5565.0, 5678.0, 5371.0, 5443.0, 5578.0, 5350.0, 5524.0, 5302.0, 5460.0, 5253.0, 5642.0, 5523.0, 5329.0, 5252.0, 5392.0, 5265.0, 5680.0, 5420.0, 5622.0, 5341.0, 5617.0, 5630.0, 5404.0, 5419.0, 5685.0, 5571.0, 5368.0, 5474.0, 5357.0, 5462.0, 5643.0, 5594.0, 5258.0, 5431.0, 5589.0, 5468.0, 5386.0, 5645.0, 5709.0, 5293.0, 5636.0, 5402.0, 5696.0, 5585.0, 5638.0, 5475.0, 5345.0, 5397.0, 5532.0, 5619.0, 5659.0, 5347.0, 5663.0, 5632.0, 5635.0, 5437.0, 5487.0, 5380.0, 5505.0, 5587.0, 5530.0, 5656.0, 5410.0, 5575.0, 5702.0, 5535.0, 5272.0, 5424.0, 5542.0, 5295.0, 5502.0, 5556.0, 5415.0, 5681.0, 5305.0, 5679.0, 5514.0 (number of hits: 14)
28	5530.0	9	1.0	333	1	5329.0, 5509.0, 5497.0, 5539.0, 5650.0, 5427.0, 5571.0, 5684.0, 5369.0, 5506.0, 5644.0, 5314.0, 5418.0, 5373.0, 5578.0, 5581.0, 5587.0, 5252.0, 5367.0, 5293.0, 5679.0, 5631.0, 5452.0, 5710.0, 5370.0, 5491.0, 5586.0, 5286.0, 5619.0, 5327.0, 5353.0, 5712.0, 5616.0, 5409.0, 5525.0, 5686.0, 5637.0, 5592.0, 5698.0, 5385.0, 5285.0, 5535.0, 5331.0, 5647.0, 5533.0, 5601.0, 5304.0, 5655.0, 5339.0, 5555.0, 5676.0, 5689.0, 5260.0, 5550.0, 5410.0, 5320.0, 5357.0, 5411.0, 5565.0, 5351.0, 5405.0, 5505.0, 5448.0, 5475.0, 5444.0, 5277.0, 5436.0, 5536.0, 5667.0, 5316.0, 5561.0, 5649.0, 5412.0, 5326.0, 5480.0, 5350.0, 5459.0, 5589.0, 5626.0, 5266.0, 5648.0, 5301.0, 5628.0, 5554.0, 5716.0, 5720.0, 5693.0, 5503.0, 5415.0, 5395.0, 5449.0, 5714.0, 5254.0, 5488.0, 5707.0, 5278.0, 5416.0, 5724.0, 5528.0, 5313.0 (number of hits: 17)
29	5530.0	9	1.0	333	1	5699.0, 5718.0, 5540.0, 5561.0, 5469.0, 5583.0, 5268.0,

						5338.0, 5519.0, 5539.0, 5572.0, 5696.0, 5558.0, 5566.0, 5472.0, 5513.0, 5711.0, 5582.0, 5395.0, 5652.0, 5365.0, 5267.0, 5319.0, 5676.0, 5315.0, 5439.0, 5551.0, 5577.0, 5375.0, 5448.0, 5660.0, 5473.0, 5250.0, 5677.0, 5411.0, 5625.0, 5668.0, 5708.0, 5453.0, 5403.0, 5630.0, 5527.0, 5606.0, 5627.0, 5648.0, 5341.0, 5617.0, 5366.0, 5496.0, 5491.0, 5541.0, 5321.0, 5364.0, 5620.0, 5382.0, 5637.0, 5308.0, 5389.0, 5621.0, 5555.0, 5428.0, 5276.0, 5343.0, 5563.0, 5545.0, 5552.0, 5479.0, 5517.0, 5336.0, 5260.0, 5285.0, 5450.0, 5424.0, 5526.0, 5661.0, 5581.0, 5332.0, 5371.0, 5412.0, 5381.0, 5393.0, 5266.0, 5361.0, 5571.0, 5483.0, 5408.0, 5278.0, 5358.0, 5694.0, 5591.0, 5521.0, 5432.0, 5273.0, 5722.0, 5373.0, 5409.0, 5337.0, 5379.0, 5498.0, 5564.0 (number of hits: 21)
30	5530.0	9	1.0	333	1	5702.0, 5435.0, 5696.0, 5318.0, 5575.0, 5723.0, 5324.0, 5504.0, 5309.0, 5286.0, 5523.0, 5413.0, 5353.0, 5329.0, 5720.0, 5390.0, 5704.0, 5528.0, 5701.0, 5648.0, 5322.0, 5436.0, 5513.0, 5380.0, 5683.0, 5636.0, 5292.0, 5629.0, 5651.0, 5573.0, 5429.0, 5327.0, 5678.0, 5597.0, 5262.0, 5632.0, 5444.0, 5628.0, 5521.0, 5323.0, 5375.0, 5672.0, 5430.0, 5626.0, 5258.0, 5531.0, 5618.0, 5452.0, 5372.0, 5352.0, 5346.0, 5548.0, 5386.0, 5703.0, 5516.0, 5681.0, 5415.0, 5554.0, 5360.0, 5330.0, 5540.0, 5718.0, 5586.0, 5437.0, 5433.0, 5563.0, 5712.0, 5418.0, 5526.0, 5293.0, 5333.0, 5577.0, 5478.0, 5499.0, 5325.0, 5466.0, 5305.0, 5611.0, 5266.0, 5608.0, 5474.0, 5641.0, 5371.0, 5668.0, 5587.0, 5404.0, 5622.0, 5392.0, 5440.0, 5427.0, 5507.0, 5319.0, 5406.0, 5716.0, 5714.0, 5376.0, 5581.0, 5617.0, 5447.0, 5260.0 (number of hits: 14)

P2P Mode
Pine 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	80.0 %	60%	Pass
Type 3	30	76.7 %	60%	Pass
Type 4	30	83.3 %	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	86	1.0	618	1
2	57	1.0	938	1
3	78	1.0	678	1
4	95	1.0	558	1
5	76	1.0	698	1
6	89	1.0	598	1
7	62	1.0	858	1
8	92	1.0	578	1
9	18	1.0	3066	1
10	81	1.0	658	1
11	72	1.0	738	1
12	63	1.0	838	1
13	59	1.0	898	1
14	58	1.0	918	1
15	61	1.0	878	1
16	50	1.0	1077	1
17	23	1.0	2305	1
18	23	1.0	2385	1
19	22	1.0	2403	1
20	24	1.0	2279	1
21	52	1.0	1028	1
22	23	1.0	2300	1
23	62	1.0	860	1
24	21	1.0	2555	1
25	50	1.0	1074	1
26	26	1.0	2040	1
27	40	1.0	1325	1
28	25	1.0	2179	1
29	24	1.0	2222	1
30	49	1.0	1097	1
Detection Percentage: 100.0 % (>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	27	2.2	212	1
2	26	3.6	223	1
3	28	1.2	150	0
4	28	3.2	168	1
5	27	4.3	230	1
6	26	3.2	162	1
7	27	4.8	189	1
8	25	2.4	219	1
9	23	2.2	214	1
10	23	3.7	206	0
11	27	1.5	218	1
12	29	2.0	215	1
13	28	4.7	182	1
14	25	3.6	199	1
15	24	1.1	170	0
16	28	4.0	181	1
17	28	3.6	183	1
18	28	1.8	216	1
19	27	4.8	221	1
20	23	2.0	221	0
21	23	2.2	160	1
22	23	1.8	218	1
23	27	2.9	203	1
24	28	3.8	181	1
25	25	3.7	193	0
26	24	4.0	165	1
27	25	2.1	225	1
28	29	1.9	162	1
29	24	1.4	216	0
30	28	1.3	177	1
Detection Percentage: 80.0 % (>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	9.6	379	1
2	16	8.7	200	1
3	18	8.5	443	0
4	16	9.1	214	1
5	17	8.7	397	1
6	18	9.3	379	0
7	18	6.6	403	1
8	17	8.0	280	1
9	17	7.1	253	1
10	17	10.0	443	0
11	18	6.9	473	1
12	16	8.9	289	1
13	18	8.3	410	0
14	16	9.2	370	1
15	16	9.6	462	1
16	17	7.6	429	1
17	17	7.8	296	1
18	17	9.0	203	1
19	17	9.8	474	1
20	17	9.5	381	1
21	18	7.3	254	1
22	18	6.6	407	1
23	17	8.6	446	1
24	17	10.0	375	1
25	17	8.9	481	0
26	17	9.6	207	0
27	16	7.2	266	1
28	17	8.4	271	0
29	18	7.6	401	1
30	18	8.7	434	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	15	13.7	271	1
2	14	17.9	391	1
3	13	17.9	266	1
4	14	13.1	346	0
5	15	11.0	302	1
6	15	16.9	462	1
7	15	17.4	299	1
8	13	11.2	214	1
9	14	11.3	276	0
10	16	19.0	301	0
11	12	12.7	356	1
12	14	11.0	393	1
13	16	18.5	390	1
14	12	13.8	237	1
15	15	18.0	436	1
16	16	17.0	313	1
17	14	14.8	382	1
18	15	19.4	462	0
19	16	12.8	269	1
20	13	13.2	405	1
21	15	12.2	296	1
22	14	18.1	210	1
23	15	16.3	365	1
24	14	15.9	202	1
25	16	19.9	249	1
26	14	13.0	275	1
27	13	14.5	211	1
28	15	11.5	244	0
29	15	11.1	483	1
30	14	15.2	326	1
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5496.5	1
12	5496.5	1
13	5494.1	1
14	5492.9	1
15	5494.9	1
16	5497.3	1
17	5496.1	1
18	5498.1	1
19	5497.3	1
20	5497.3	1
21	5505.5	1
22	5501.9	1
23	5501.5	1
24	5507.5	1
25	5503.5	1
26	5503.9	1
27	5504.7	1
28	5503.9	1
29	5503.5	1
30	5503.1	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	12	67.2	1045		1.302154	
1	2	12	81.8	1022		1.789722	
2	1	12	68.2			3.357588	
3	3	12	82.3	1213	1735	4.561819	
4	2	12	55.3	1372		6.202072	1
5	3	12	89.3	1834	1008	6.750171	
6	2	12	58.0	1796		8.594972	
7	2	12	62.8	1977		9.442406	
8	2	12	51.9	1711		11.712813	

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	80.8	1449		0.505387	
1	1	12	75.9			1.059470	
2	3	12	54.3	1717	1514	1.819683	
3	1	12	50.3			2.183966	
4	2	12	63.9	1589		2.842981	
5	3	12	79.2	1312	1289	3.553443	
6	3	12	57.9	1350	1217	4.340314	
7	3	12	77.1	1432	1250	4.597699	
8	2	12	66.1	1083		5.288465	
9	3	12	75.2	1617	1802	6.235266	1
10	3	12	97.1	1222	1477	6.932424	
11	1	12	52.0			7.108612	
12	2	12	88.2	1777		8.051292	
13	2	12	53.7	1114		8.535682	
14	2	12	53.5	1818		9.327385	
15	3	12	95.8	1333	1093	9.911089	
16	1	12	77.3			10.438924	
17	1	12	66.4			11.333129	
18	1	12	70.9			11.429524	

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	14	99.7	1320		0.038610	
1	1	14	62.4			1.977671	
2	1	14	78.1			3.018313	
3	3	14	92.2	1949	1274	4.278384	
4	2	14	65.7	1723		5.757358	1
5	2	14	94.0	1247		7.732641	
6	2	14	52.0	1177		8.944545	
7	2	14	98.4	1031		9.333395	
8	1	14	55.3			10.882731	

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	13	59.1			0.453362	
1	1	13	68.8			1.060555	
2	3	13	94.6	1420	1483	1.617375	
3	2	13	81.8	1068		1.899975	
4	1	13	77.0			2.672622	
5	2	13	85.7	1198		3.155119	
6	2	13	59.5	1564		4.165540	
7	2	13	65.1	1938		4.683563	
8	3	13	61.1	1719	1254	5.176250	
9	2	13	92.0	1358		5.974884	
10	2	13	95.0	1819		6.420247	1
11	3	13	89.6	1476	1570	6.619583	
12	2	13	99.0	1948		7.742829	
13	2	13	50.9	1728		7.943396	
14	2	13	80.1	1636		8.432547	
15	2	13	78.5	1773		9.309519	
16	1	13	90.6			9.604051	
17	3	13	83.6	1475	1376	10.296361	
18	2	13	88.3	1054		11.141011	
19	2	13	94.8	1461		11.988709	

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	11	94.8	1249	1162	0.405003	1
1	2	11	65.6	1181		2.215147	
2	3	11	75.2	1110	1848	3.720709	
3	1	11	68.8			5.720078	
4	2	11	73.1	1313		6.556157	
5	2	11	79.4	1826		7.978571	
6	2	11	58.8	1990		9.405488	
7	2	11	66.4	1593		10.927884	

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	88.2			0.891847	1
1	2	11	50.8	1696		1.024127	
2	1	11	63.2			2.308444	
3	1	11	92.9			2.864101	
4	2	11	81.1	1944		3.750255	
5	2	11	95.3	1866		5.384773	
6	2	11	53.0	1962		6.241660	
7	2	11	65.1	1361		7.222528	
8	2	11	78.4	1456		7.666489	
9	2	11	66.0	1976		8.553939	
10	2	11	59.9	1684		9.808410	
11	3	11	71.6	1380	1433	10.590868	
12	2	11	93.8	1572		11.983932	

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	6	76.5	1880	1565	0.190959	
1	2	6	94.7	1941		1.325430	
2	2	6	95.2	1414		2.372096	
3	1	6	95.1			3.963661	
4	3	6	77.8	1631	1385	4.799199	
5	2	6	90.2	1508		5.459475	1
6	2	6	83.3	1287		7.221952	
7	2	6	56.6	1896		8.390775	
8	2	6	52.3	1603		8.754031	
9	2	6	92.4	1275		10.844219	
10	2	6	95.4	1539		11.659855	

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	73.1	1694		0.393162	
1	2	13	70.6	1341		1.084779	
2	2	13	52.4	1185		1.911375	
3	2	13	92.2	1745		2.596071	
4	3	13	93.7	1044	1199	2.942790	
5	2	13	73.1	1695		3.649407	
6	3	13	65.2	1013	1486	4.887102	
7	1	13	82.2			5.149336	
8	2	13	58.0	1467		5.922403	1
9	3	13	54.3	1548	1029	6.850440	
10	2	13	88.9	1832		7.137471	
11	1	13	69.6			8.190807	
12	3	13	82.4	1912	1059	8.701172	
13	2	13	93.4	1293		9.711237	
14	1	13	75.4			9.961230	
15	3	13	71.4	1997	1042	10.637666	
16	1	13	63.2			11.981110	

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	10	67.9	1650	1582	0.994998	1
1	3	10	92.0	1990	1256	1.956507	
2	3	10	76.1	1644	1417	3.611200	
3	2	10	62.9	1434		5.146461	
4	2	10	97.5	1380		6.052346	
5	1	10	98.5			7.520598	
6	3	10	73.5	1927	1730	10.333659	
7	2	10	86.4	1086		11.832590	

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	6	74.5	1009	1270	0.319444	1
1	3	6	93.2	1626	1047	2.193070	
2	2	6	68.7	1311		3.032377	
3	3	6	99.4	1475	1467	5.085411	
4	2	6	98.1	1838		6.494945	
5	2	6	59.6	1884		7.746821	
6	1	6	85.4			8.086739	
7	1	6	79.8			10.524147	
8	2	6	79.0	1629		11.214826	

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	83.8			0.389642	1
1	1	15	93.4			1.121261	
2	2	15	59.3	1451		1.283745	
3	1	15	72.6			2.331957	
4	3	15	77.5	1260	1840	2.726242	
5	3	15	96.7	1096	1782	3.021181	
6	2	15	50.6	1292		3.876110	
7	1	15	70.0			4.486374	
8	2	15	58.0	1544		5.288456	
9	1	15	54.8			5.521447	
10	3	15	70.6	1103	1792	6.587325	
11	3	15	76.1	1948	1217	6.824474	
12	2	15	77.5	1775		7.369942	
13	3	15	78.8	1747	1309	7.853872	
14	1	15	55.4			8.955482	
15	3	15	75.0	1575	1519	9.008838	
16	1	15	78.1			9.810387	
17	1	15	65.8			10.671668	
18	1	15	91.2			11.035465	
19	1	15	74.0			11.659336	

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	15	64.9	1519	1674	0.824317	1
1	2	15	88.5	1354		1.567506	
2	3	15	91.6	1512	1113	2.180192	
3	2	15	70.0	1528		3.255190	
4	2	15	78.1	1499		4.616231	
5	3	15	64.1	1338	1476	5.817926	
6	1	15	56.7			6.739673	
7	1	15	60.0			7.025654	
8	3	15	89.2	1698	1109	8.325409	
9	2	15	74.8	1672		9.267354	
10	1	15	67.0			10.031931	
11	3	15	90.3	1527	1786	11.309781	

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	71.9			0.733218	1
1	1	9	76.8			1.338550	
2	1	9	81.4			2.398503	
3	1	9	72.1			3.398423	
4	1	9	83.9			4.517692	
5	2	9	50.1	1709		5.363726	
6	1	9	64.7			6.948446	
7	3	9	51.5	1067	1708	7.146668	
8	2	9	50.1	1292		8.953649	
9	2	9	81.8	1711		9.801314	
10	1	9	89.6			10.778155	
11	3	9	96.1	1215	1927	11.393965	

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	69.3	1583		0.545717	1
1	2	6	85.1	1268		0.802081	
2	3	6	95.6	1321	1499	2.065898	
3	2	6	92.4	1635		2.697139	
4	2	6	96.9	1846		3.171898	
5	2	6	88.3	1077		3.587160	
6	1	6	95.4			4.717161	
7	2	6	95.2	1769		5.564663	
8	1	6	89.1			6.078770	
9	1	6	51.7			6.431133	
10	2	6	64.5	1937		7.089351	
11	1	6	95.3			7.771090	
12	1	6	91.3			8.520200	
13	2	6	56.0	1778		9.268035	
14	3	6	95.4	1552	1439	10.298699	
15	3	6	52.4	1140	1602	10.727725	
16	2	6	52.9	1097		11.442815	

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	11	81.4	1127	1686	0.743998	
1	1	11	85.0			1.186147	
2	1	11	52.1			2.322116	
3	1	11	97.2			2.463011	
4	2	11	79.8	1562		3.465704	
5	2	11	82.4	1924		4.070917	
6	2	11	93.5	1570		5.068764	
7	1	11	72.9			5.635223	1
8	2	11	52.3	1068		6.968327	
9	2	11	67.7	1263		7.830382	
10	2	11	64.3	1337		8.152696	
11	2	11	72.8	1108		9.172218	
12	1	11	97.0			9.924375	
13	2	11	50.5	1443		10.807733	
14	1	11	61.6			11.802716	

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	87.0	1795	1070	0.213129	
1	2	17	62.1	1080		1.091397	
2	3	17	72.9	1464	1487	1.458574	
3	3	17	85.5	1333	1892	1.999296	
4	2	17	55.8	1684		3.069541	
5	1	17	83.1			3.579125	
6	2	17	58.9	1543		4.274001	
7	1	17	52.2			4.476072	
8	2	17	83.8	1408		5.287604	
9	1	17	59.5			5.684536	1
10	3	17	61.3	1163	1873	6.843525	
11	1	17	50.6			6.961562	
12	2	17	91.5	1502		7.587566	
13	1	17	52.5			8.465944	
14	1	17	60.9			9.055181	
15	2	17	74.4	1184		9.787343	
16	3	17	73.0	1152	1575	10.215734	
17	2	17	60.9	1906		10.755056	
18	2	17	84.4	1218		11.543255	

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	14	85.8	1890		0.031511	
1	2	14	83.2	1969		1.765938	
2	3	14	99.4	1608	1732	3.177116	
3	1	14	74.2			4.343309	
4	2	14	73.4	1367		5.183073	
5	2	14	90.0	1224		5.638624	1
6	1	14	98.9			7.158694	
7	3	14	90.2	1008	1266	8.240298	
8	1	14	76.8			9.704105	
9	3	14	52.1	1328	1253	10.202596	
10	1	14	80.0			10.988817	

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	57.8	1016		0.262120	
1	3	19	71.7	1047	1714	1.295920	
2	3	19	84.1	1029	1904	2.768242	
3	2	19	81.5	1302		3.985327	
4	3	19	52.3	1558	1649	4.148540	
5	3	19	74.7	1964	1115	5.733447	
6	3	19	92.0	1258	1228	6.453449	1
7	2	19	87.8	1183		7.543713	
8	2	19	79.2	1568		8.801151	
9	2	19	58.8	1722		9.373482	
10	3	19	90.4	1867	1198	10.033141	
11	3	19	61.2	1323	1027	11.429532	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	66.6	1456		0.495107	
1	2	17	90.3	1699		1.133004	
2	2	17	86.6	1001		2.039107	
3	3	17	66.9	1878	1589	2.476989	
4	1	17	99.0			3.315572	
5	2	17	54.2	1606		4.144786	
6	2	17	95.1	1400		5.053485	
7	2	17	53.9	1321		6.320155	1
8	2	17	99.6	1776		6.405178	
9	2	17	57.5	1695		7.550077	
10	3	17	78.6	1081	1363	8.369868	
11	3	17	87.6	1931	1732	9.089013	
12	3	17	72.6	1958	1127	10.033389	
13	3	17	89.5	1234	1544	10.874621	
14	1	17	71.1			11.258547	

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	17	65.1	1949	1606	0.339581	
1	1	17	77.4			1.284791	
2	3	17	56.0	1532	1887	2.067004	
3	2	17	55.9	1085		2.400183	
4	2	17	77.2	1638		2.877609	
5	2	17	90.4	1710		3.599504	
6	3	17	99.6	1499	1415	4.527936	
7	1	17	53.3			4.959602	
8	3	17	70.6	1157	1199	5.719441	1
9	2	17	88.1	1725		6.745115	
10	2	17	70.6	1006		7.394741	
11	3	17	54.0	1626	1171	8.260865	
12	3	17	92.1	1890	1122	8.503890	
13	2	17	77.6	1717		9.585728	
14	1	17	50.6			10.050339	
15	3	17	71.8	1968	1173	10.592717	
16	1	17	68.5			11.717906	

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	10	53.5	1197	1423	0.856130	1
1	1	10	83.7			1.598567	
2	1	10	65.2			2.435041	
3	1	10	51.9			3.712200	
4	3	10	79.4	1250	1025	4.023665	
5	2	10	99.5	1720		5.217605	
6	2	10	60.2	1940		6.066226	
7	1	10	54.3			7.130155	
8	3	10	59.2	1819	1017	8.071946	
9	1	10	94.3			9.547173	
10	3	10	57.2	1075	1088	10.978062	
11	2	10	64.1	1657		11.355549	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	66.2	1182		0.380889	1
1	2	19	62.3	1581		1.107439	
2	3	19	72.6	1883	1831	2.119393	
3	3	19	52.2	1999	1559	3.227593	
4	3	19	83.8	1007	1196	3.966165	
5	2	19	70.2	1121		4.658692	
6	3	19	58.5	1018	1824	5.394922	
7	2	19	56.5	1702		6.552298	
8	2	19	74.0	1685		7.122036	
9	2	19	84.4	1203		7.961940	
10	1	19	72.1			9.219567	
11	3	19	99.7	1444	1399	10.081022	
12	3	19	84.3	1993	1515	10.342641	
13	3	19	89.2	1530	1902	11.779911	

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	51.1	1042		0.448821	1
1	2	20	78.3	1859		1.991424	
2	2	20	58.0	1432		2.871364	
3	1	20	68.8			3.825886	
4	2	20	62.5	1860		4.973674	
5	2	20	98.2	1890		5.984053	
6	3	20	77.5	1000	1801	6.557163	
7	2	20	93.9	1585		7.590564	
8	3	20	57.4	1962	1825	8.839359	
9	2	20	84.2	1383		9.762182	
10	2	20	64.8	1814		10.310870	
11	2	20	84.4	1750		11.936934	

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	5	58.2			0.033321	1
1	1	5	64.2			1.542844	
2	1	5	73.6			2.707130	
3	1	5	57.2			3.880350	
4	2	5	89.0	1889		4.314609	
5	2	5	51.9	1451		5.171802	
6	3	5	53.8	1726	1369	6.130705	
7	2	5	77.1	1831		7.346908	
8	3	5	73.0	1428	1662	8.196498	
9	2	5	96.9	1830		9.065795	
10	3	5	54.2	1613	1137	10.064164	
11	2	5	71.8	1929		11.192741	

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	15	68.2	1447	1770	0.575779	1
1	2	15	89.6	1755		1.742164	
2	3	15	90.7	1572	1203	2.363682	
3	1	15	73.9			3.529411	
4	1	15	84.3			4.523059	
5	3	15	58.1	1102	1987	6.382496	
6	1	15	68.7			6.995385	
7	1	15	71.1			7.875251	
8	1	15	56.4			9.340374	
9	2	15	64.7	1025		10.394413	
10	2	15	78.2	1398		11.351432	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	85.0			0.401728	
1	3	14	92.5	1324	1108	1.537204	
2	2	14	85.4	1183		1.883615	
3	2	14	88.1	1309		2.818834	
4	1	14	85.9			3.883407	
5	1	14	60.1			4.419755	
6	3	14	96.2	1954	1475	5.185336	
7	3	14	60.2	1663	1597	5.866805	1
8	2	14	79.2	1818		6.769975	
9	1	14	62.5			7.737523	
10	2	14	65.9	1361		8.511756	
11	2	14	54.6	1945		8.876658	
12	2	14	78.3	1098		10.090829	
13	3	14	69.7	1539	1393	10.936208	
14	3	14	68.3	1656	1480	11.846671	

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	12	63.4			0.939968	
1	1	12	94.1			1.664158	
2	2	12	98.2	1232		3.817263	
3	3	12	92.6	1914	1437	4.986112	1
4	2	12	89.5	1379		6.105122	
5	1	12	91.2			7.664332	
6	1	12	52.5			9.024013	
7	2	12	68.0	1469		11.846259	

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	14	74.7	1972		1.025357	
1	2	14	83.9	1334		2.463262	
2	3	14	54.1	1748	1524	2.874882	
3	3	14	63.7	1429	1730	4.416484	
4	2	14	74.4	1780		5.970440	1
5	3	14	65.3	1987	1250	7.438357	
6	2	14	98.3	1666		8.678197	
7	3	14	57.6	1208	1041	9.967423	
8	3	14	50.5	1442	1302	11.030961	

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	15	69.2	1600	1022	0.303015	
1	3	15	98.5	1508	1447	1.081337	
2	2	15	86.9	1315		1.722719	
3	1	15	85.5			2.465608	
4	1	15	61.4			3.201825	
5	3	15	53.0	1247	1684	4.201183	
6	1	15	58.4			4.783151	
7	1	15	66.5			5.184306	
8	2	15	60.8	1317		6.262859	1
9	2	15	86.6	1294		6.910336	
10	3	15	81.8	1630	1008	7.393356	
11	2	15	65.7	1851		8.050053	
12	3	15	63.0	1300	1555	8.907047	
13	1	15	80.5			9.414261	
14	2	15	93.8	1286		10.466858	
15	2	15	56.4	1663		10.917400	
16	2	15	76.8	1438		11.914632	

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	16	98.1			0.354690	1
1	2	16	81.8	1274		0.707050	
2	2	16	50.7	1307		1.619493	
3	3	16	76.4	1831	1285	1.881444	
4	1	16	74.5			2.401806	
5	2	16	61.7	1497		3.171730	
6	2	16	88.4	1096		3.860428	
7	2	16	94.7	1906		4.434007	
8	3	16	100.0	1460	1324	4.896925	
9	1	16	92.3			5.968905	
10	2	16	82.0	1101		6.408064	
11	2	16	59.3	1394		6.892137	
12	2	16	52.8	1214		7.560257	
13	2	16	71.7	1340		7.902976	
14	1	16	99.4			8.639682	
15	2	16	79.2	1297		9.485945	
16	2	16	73.3	1942		9.669673	
17	3	16	99.9	1127	1441	10.488439	
18	2	16	59.0	1855		11.019658	
19	1	16	83.1			11.809202	

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	5252.0, 5655.0, 5567.0, 5640.0, 5711.0, 5372.0, 5389.0, 5705.0, 5718.0, 5315.0, 5602.0, 5656.0, 5253.0, 5419.0, 5292.0, 5590.0, 5459.0, 5438.0, 5429.0, 5642.0, 5516.0, 5339.0, 5647.0, 5465.0, 5529.0, 5308.0, 5423.0, 5670.0, 5418.0, 5403.0, 5552.0, 5699.0, 5632.0, 5631.0, 5606.0, 5610.0, 5533.0, 5466.0, 5274.0, 5303.0, 5591.0, 5255.0, 5440.0, 5674.0, 5482.0, 5507.0, 5695.0, 5607.0, 5375.0, 5662.0, 5488.0, 5483.0, 5546.0, 5648.0, 5358.0, 5334.0, 5378.0, 5309.0, 5352.0, 5638.0, 5678.0, 5480.0, 5278.0, 5526.0, 5407.0, 5377.0, 5687.0, 5572.0, 5349.0, 5310.0, 5491.0, 5345.0, 5628.0, 5288.0, 5673.0, 5693.0, 5494.0, 5320.0, 5404.0, 5325.0, 5395.0, 5467.0, 5616.0, 5413.0, 5270.0, 5551.0, 5415.0, 5277.0, 5686.0, 5424.0, 5645.0, 5290.0, 5392.0, 5667.0, 5405.0, 5598.0, 5285.0, 5265.0, 5490.0, 5496.0 (number of hits: 5)
2	5500.0	9	1.0	333	1	5556.0, 5317.0, 5314.0, 5639.0, 5439.0, 5530.0, 5349.0, 5599.0, 5551.0, 5501.0, 5717.0, 5587.0, 5462.0, 5503.0, 5522.0, 5645.0, 5458.0, 5641.0, 5308.0, 5428.0, 5398.0, 5716.0, 5703.0, 5553.0, 5547.0, 5360.0, 5463.0, 5669.0, 5330.0, 5534.0, 5381.0, 5478.0, 5473.0, 5660.0, 5337.0, 5528.0, 5643.0, 5585.0, 5567.0, 5302.0, 5257.0, 5686.0, 5260.0, 5708.0, 5280.0, 5404.0, 5324.0, 5310.0, 5619.0, 5436.0, 5312.0, 5695.0, 5387.0, 5568.0, 5407.0, 5460.0, 5675.0, 5596.0, 5480.0, 5510.0, 5402.0, 5471.0, 5264.0, 5305.0, 5357.0, 5540.0, 5420.0, 5508.0, 5426.0, 5262.0, 5397.0, 5383.0, 5557.0, 5542.0, 5488.0, 5531.0, 5590.0, 5666.0, 5321.0, 5576.0, 5593.0, 5362.0, 5487.0, 5272.0, 5696.0, 5296.0, 5565.0, 5631.0, 5490.0, 5602.0, 5667.0, 5356.0, 5468.0, 5498.0, 5486.0, 5714.0, 5496.0, 5539.0, 5323.0, 5671.0 (number of hits: 6)
3	5500.0	9	1.0	333	1	5348.0, 5401.0, 5613.0, 5599.0, 5501.0, 5582.0, 5451.0, 5610.0, 5282.0, 5405.0, 5256.0, 5459.0, 5257.0, 5547.0, 5436.0, 5340.0, 5289.0, 5581.0, 5605.0, 5374.0, 5395.0, 5701.0, 5694.0, 5517.0, 5310.0, 5301.0, 5634.0, 5479.0, 5308.0, 5553.0, 5252.0, 5572.0, 5612.0, 5543.0, 5603.0, 5483.0, 5433.0, 5487.0, 5488.0, 5281.0, 5336.0, 5588.0, 5275.0, 5618.0, 5294.0, 5320.0, 5343.0, 5280.0, 5319.0, 5601.0, 5276.0, 5258.0, 5317.0, 5512.0, 5642.0, 5596.0, 5565.0, 5389.0, 5705.0, 5593.0, 5266.0, 5490.0, 5362.0, 5277.0, 5697.0, 5373.0, 5699.0, 5398.0, 5629.0, 5391.0, 5689.0, 5683.0, 5522.0, 5685.0, 5388.0, 5513.0, 5491.0, 5279.0, 5723.0, 5515.0, 5644.0, 5372.0, 5331.0, 5617.0, 5352.0, 5502.0, 5704.0, 5662.0, 5409.0, 5703.0, 5399.0, 5681.0, 5326.0, 5653.0, 5453.0, 5418.0, 5693.0, 5271.0, 5489.0, 5349.0 (number of hits: 4)
4	5500.0	9	1.0	333	1	5490.0, 5291.0, 5442.0, 5514.0, 5688.0, 5461.0, 5568.0, 5308.0, 5683.0, 5372.0, 5673.0, 5281.0, 5682.0, 5418.0, 5453.0, 5309.0, 5439.0, 5276.0, 5522.0, 5348.0, 5520.0, 5563.0, 5299.0, 5502.0, 5546.0, 5504.0, 5712.0, 5599.0, 5690.0, 5536.0, 5317.0, 5693.0, 5478.0, 5345.0, 5639.0, 5357.0, 5481.0, 5543.0, 5464.0, 5593.0, 5613.0, 5259.0, 5719.0, 5669.0, 5434.0, 5662.0, 5547.0, 5288.0, 5350.0, 5608.0, 5569.0, 5529.0, 5257.0, 5710.0, 5597.0, 5574.0, 5619.0, 5497.0, 5365.0, 5448.0, 5320.0, 5720.0, 5256.0, 5292.0, 5432.0, 5396.0, 5284.0, 5454.0, 5485.0, 5452.0,

						5657.0, 5540.0, 5416.0, 5283.0, 5675.0, 5332.0, 5421.0, 5360.0, 5645.0, 5544.0, 5397.0, 5425.0, 5290.0, 5458.0, 5510.0, 5631.0, 5640.0, 5380.0, 5586.0, 5722.0, 5553.0, 5282.0, 5506.0, 5431.0, 5362.0, 5573.0, 5354.0, 5437.0, 5384.0, 5692.0 (number of hits: 5)
5	5500.0	9	1.0	333	0	
6	5500.0	9	1.0	333	1	5474.0, 5363.0, 5586.0, 5323.0, 5723.0, 5636.0, 5682.0, 5504.0, 5585.0, 5650.0, 5525.0, 5551.0, 5657.0, 5439.0, 5623.0, 5545.0, 5660.0, 5607.0, 5565.0, 5652.0, 5645.0, 5331.0, 5649.0, 5286.0, 5457.0, 5519.0, 5292.0, 5508.0, 5304.0, 5622.0, 5321.0, 5680.0, 5602.0, 5599.0, 5446.0, 5460.0, 5651.0, 5447.0, 5473.0, 5264.0, 5289.0, 5374.0, 5367.0, 5638.0, 5562.0, 5369.0, 5520.0, 5466.0, 5488.0, 5402.0, 5326.0, 5335.0, 5669.0, 5517.0, 5513.0, 5574.0, 5378.0, 5516.0, 5605.0, 5543.0, 5678.0, 5405.0, 5451.0, 5468.0, 5310.0, 5554.0, 5708.0, 5454.0, 5285.0, 5345.0, 5479.0, 5704.0, 5668.0, 5352.0, 5287.0, 5328.0, 5480.0, 5413.0, 5610.0, 5459.0, 5435.0, 5280.0, 5278.0, 5458.0, 5594.0, 5567.0, 5271.0, 5332.0, 5596.0, 5559.0, 5597.0, 5702.0, 5251.0, 5272.0, 5529.0, 5572.0, 5547.0, 5359.0, 5299.0, 5421.0 (number of hits: 2)
7	5500.0	9	1.0	333	1	5494.0, 5275.0, 5610.0, 5626.0, 5371.0, 5455.0, 5476.0, 5418.0, 5641.0, 5552.0, 5554.0, 5541.0, 5522.0, 5606.0, 5650.0, 5539.0, 5534.0, 5448.0, 5510.0, 5398.0, 5660.0, 5345.0, 5315.0, 5612.0, 5342.0, 5535.0, 5695.0, 5390.0, 5381.0, 5429.0, 5350.0, 5439.0, 5504.0, 5655.0, 5269.0, 5474.0, 5722.0, 5356.0, 5526.0, 5413.0, 5654.0, 5472.0, 5331.0, 5470.0, 5642.0, 5347.0, 5557.0, 5377.0, 5681.0, 5691.0, 5424.0, 5421.0, 5700.0, 5708.0, 5678.0, 5276.0, 5591.0, 5479.0, 5361.0, 5647.0, 5288.0, 5491.0, 5597.0, 5712.0, 5679.0, 5692.0, 5515.0, 5372.0, 5544.0, 5607.0, 5453.0, 5468.0, 5574.0, 5462.0, 5317.0, 5631.0, 5333.0, 5428.0, 5513.0, 5720.0, 5459.0, 5640.0, 5558.0, 5336.0, 5481.0, 5305.0, 5395.0, 5469.0, 5696.0, 5588.0, 5531.0, 5562.0, 5686.0, 5399.0, 5292.0, 5653.0, 5565.0, 5530.0, 5682.0, 5467.0 (number of hits: 3)
8	5500.0	9	1.0	333	1	5292.0, 5531.0, 5615.0, 5457.0, 5383.0, 5277.0, 5458.0, 5473.0, 5319.0, 5507.0, 5494.0, 5309.0, 5505.0, 5367.0, 5317.0, 5558.0, 5320.0, 5701.0, 5523.0, 5385.0, 5424.0, 5421.0, 5520.0, 5263.0, 5670.0, 5462.0, 5379.0, 5264.0, 5561.0, 5626.0, 5396.0, 5541.0, 5321.0, 5673.0, 5258.0, 5687.0, 5431.0, 5351.0, 5252.0, 5286.0, 5551.0, 5468.0, 5316.0, 5298.0, 5304.0, 5416.0, 5422.0, 5402.0, 5395.0, 5419.0, 5386.0, 5476.0, 5265.0, 5463.0, 5589.0, 5572.0, 5347.0, 5270.0, 5564.0, 5450.0, 5382.0, 5692.0, 5691.0, 5392.0, 5716.0, 5415.0, 5696.0, 5552.0, 5643.0, 5334.0, 5487.0, 5355.0, 5409.0, 5411.0, 5645.0, 5401.0, 5721.0, 5276.0, 5588.0, 5537.0, 5418.0, 5486.0, 5349.0, 5423.0, 5565.0, 5365.0, 5605.0, 5573.0, 5306.0, 5445.0, 5722.0, 5648.0, 5511.0, 5443.0, 5606.0, 5381.0, 5649.0, 5315.0, 5581.0, 5300.0 (number of hits: 3)
9	5500.0	9	1.0	333	1	5253.0, 5438.0, 5541.0, 5307.0, 5269.0, 5272.0, 5703.0, 5387.0, 5473.0, 5698.0, 5308.0, 5382.0, 5266.0, 5660.0, 5312.0, 5461.0, 5568.0, 5281.0, 5525.0, 5670.0, 5641.0, 5435.0, 5385.0, 5667.0, 5585.0, 5519.0, 5405.0, 5591.0, 5589.0, 5721.0, 5378.0, 5640.0, 5657.0, 5528.0, 5362.0, 5628.0, 5271.0, 5407.0, 5469.0, 5420.0, 5406.0, 5620.0, 5376.0, 5611.0, 5649.0, 5639.0, 5616.0, 5410.0, 5350.0, 5390.0, 5319.0, 5693.0, 5700.0, 5377.0, 5537.0, 5341.0, 5384.0, 5545.0, 5274.0, 5600.0, 5306.0, 5439.0, 5370.0, 5551.0, 5493.0, 5692.0, 5320.0, 5557.0, 5607.0, 5665.0,

						5501.0, 5311.0, 5398.0, 5622.0, 5668.0, 5259.0, 5430.0, 5581.0, 5264.0, 5481.0, 5426.0, 5642.0, 5664.0, 5605.0, 5265.0, 5487.0, 5598.0, 5460.0, 5486.0, 5414.0, 5305.0, 5647.0, 5252.0, 5503.0, 5413.0, 5697.0, 5454.0, 5254.0, 5606.0, 5534.0 (number of hits: 3)
10	5500.0	9	1.0	333	1	5628.0, 5638.0, 5632.0, 5615.0, 5384.0, 5582.0, 5343.0, 5276.0, 5288.0, 5481.0, 5275.0, 5354.0, 5576.0, 5302.0, 5623.0, 5655.0, 5472.0, 5303.0, 5688.0, 5331.0, 5518.0, 5698.0, 5569.0, 5522.0, 5286.0, 5669.0, 5704.0, 5274.0, 5672.0, 5339.0, 5385.0, 5271.0, 5404.0, 5319.0, 5282.0, 5432.0, 5397.0, 5263.0, 5681.0, 5434.0, 5620.0, 5644.0, 5327.0, 5676.0, 5533.0, 5706.0, 5563.0, 5550.0, 5326.0, 5337.0, 5409.0, 5573.0, 5351.0, 5678.0, 5683.0, 5293.0, 5314.0, 5658.0, 5348.0, 5677.0, 5306.0, 5633.0, 5652.0, 5622.0, 5345.0, 5460.0, 5659.0, 5473.0, 5536.0, 5670.0, 5295.0, 5721.0, 5268.0, 5709.0, 5587.0, 5482.0, 5447.0, 5315.0, 5254.0, 5613.0, 5718.0, 5492.0, 5593.0, 5305.0, 5469.0, 5401.0, 5398.0, 5485.0, 5466.0, 5710.0, 5554.0, 5430.0, 5357.0, 5347.0, 5591.0, 5497.0, 5571.0, 5543.0, 5335.0, 5656.0 (number of hits: 2)
11	5500.0	9	1.0	333	1	5610.0, 5468.0, 5335.0, 5573.0, 5350.0, 5313.0, 5411.0, 5527.0, 5382.0, 5504.0, 5406.0, 5356.0, 5348.0, 5458.0, 5326.0, 5508.0, 5551.0, 5467.0, 5316.0, 5683.0, 5334.0, 5277.0, 5285.0, 5709.0, 5419.0, 5703.0, 5554.0, 5287.0, 5264.0, 5655.0, 5426.0, 5413.0, 5304.0, 5537.0, 5471.0, 5716.0, 5353.0, 5520.0, 5679.0, 5391.0, 5315.0, 5580.0, 5604.0, 5296.0, 5541.0, 5608.0, 5417.0, 5627.0, 5694.0, 5461.0, 5697.0, 5494.0, 5446.0, 5459.0, 5667.0, 5388.0, 5549.0, 5423.0, 5480.0, 5575.0, 5611.0, 5653.0, 5639.0, 5643.0, 5545.0, 5384.0, 5602.0, 5469.0, 5723.0, 5324.0, 5673.0, 5271.0, 5625.0, 5589.0, 5362.0, 5337.0, 5511.0, 5624.0, 5255.0, 5596.0, 5586.0, 5581.0, 5523.0, 5681.0, 5661.0, 5265.0, 5444.0, 5273.0, 5381.0, 5712.0, 5529.0, 5298.0, 5420.0, 5328.0, 5672.0, 5670.0, 5466.0, 5357.0, 5704.0, 5314.0 (number of hits: 3)
12	5500.0	9	1.0	333	1	5507.0, 5618.0, 5276.0, 5446.0, 5460.0, 5613.0, 5360.0, 5489.0, 5539.0, 5367.0, 5445.0, 5379.0, 5606.0, 5564.0, 5345.0, 5400.0, 5721.0, 5508.0, 5614.0, 5520.0, 5654.0, 5552.0, 5697.0, 5450.0, 5444.0, 5540.0, 5638.0, 5417.0, 5717.0, 5693.0, 5674.0, 5312.0, 5636.0, 5395.0, 5300.0, 5667.0, 5581.0, 5484.0, 5288.0, 5391.0, 5610.0, 5583.0, 5708.0, 5510.0, 5426.0, 5449.0, 5523.0, 5551.0, 5477.0, 5251.0, 5436.0, 5437.0, 5682.0, 5622.0, 5422.0, 5625.0, 5296.0, 5428.0, 5641.0, 5487.0, 5361.0, 5681.0, 5381.0, 5338.0, 5590.0, 5514.0, 5635.0, 5402.0, 5316.0, 5320.0, 5611.0, 5432.0, 5511.0, 5339.0, 5692.0, 5582.0, 5429.0, 5662.0, 5627.0, 5676.0, 5468.0, 5709.0, 5568.0, 5346.0, 5290.0, 5712.0, 5419.0, 5442.0, 5713.0, 5261.0, 5353.0, 5656.0, 5531.0, 5578.0, 5254.0, 5325.0, 5322.0, 5294.0, 5343.0, 5555.0 (number of hits: 2)
13	5500.0	9	1.0	333	1	5391.0, 5392.0, 5284.0, 5643.0, 5403.0, 5494.0, 5301.0, 5438.0, 5292.0, 5670.0, 5327.0, 5385.0, 5567.0, 5505.0, 5449.0, 5658.0, 5609.0, 5318.0, 5601.0, 5477.0, 5699.0, 5390.0, 5302.0, 5330.0, 5261.0, 5360.0, 5720.0, 5393.0, 5646.0, 5365.0, 5568.0, 5716.0, 5458.0, 5423.0, 5523.0, 5462.0, 5508.0, 5275.0, 5503.0, 5455.0, 5440.0, 5668.0, 5506.0, 5635.0, 5432.0, 5253.0, 5528.0, 5585.0, 5527.0, 5426.0, 5271.0, 5259.0, 5719.0, 5679.0, 5368.0, 5441.0, 5479.0, 5722.0, 5490.0, 5427.0, 5588.0, 5688.0, 5608.0, 5625.0, 5463.0, 5534.0, 5548.0, 5709.0, 5655.0, 5279.0, 5282.0, 5254.0, 5465.0, 5627.0, 5439.0, 5628.0, 5690.0,

						5311.0, 5712.0, 5525.0, 5370.0, 5707.0, 5431.0, 5693.0, 5676.0, 5314.0, 5425.0, 5483.0, 5461.0, 5630.0, 5604.0, 5674.0, 5480.0, 5678.0, 5642.0, 5442.0, 5454.0, 5364.0, 5575.0, 5639.0 (number of hits: 6)
14	5500.0	9	1.0	333	1	5355.0, 5722.0, 5250.0, 5298.0, 5285.0, 5541.0, 5712.0, 5341.0, 5592.0, 5560.0, 5335.0, 5670.0, 5441.0, 5427.0, 5640.0, 5336.0, 5345.0, 5273.0, 5550.0, 5464.0, 5332.0, 5263.0, 5698.0, 5535.0, 5693.0, 5359.0, 5460.0, 5451.0, 5665.0, 5688.0, 5620.0, 5270.0, 5536.0, 5412.0, 5482.0, 5629.0, 5622.0, 5421.0, 5607.0, 5481.0, 5501.0, 5458.0, 5671.0, 5383.0, 5530.0, 5279.0, 5410.0, 5254.0, 5510.0, 5644.0, 5494.0, 5593.0, 5326.0, 5664.0, 5305.0, 5435.0, 5503.0, 5396.0, 5599.0, 5627.0, 5680.0, 5518.0, 5669.0, 5356.0, 5682.0, 5605.0, 5269.0, 5516.0, 5583.0, 5581.0, 5297.0, 5673.0, 5395.0, 5391.0, 5699.0, 5323.0, 5533.0, 5602.0, 5292.0, 5370.0, 5507.0, 5509.0, 5508.0, 5526.0, 5310.0, 5493.0, 5548.0, 5291.0, 5324.0, 5414.0, 5519.0, 5532.0, 5283.0, 5702.0, 5652.0, 5610.0, 5675.0, 5567.0, 5252.0, 5569.0 (number of hits: 7)
15	5500.0	9	1.0	333	1	5331.0, 5254.0, 5478.0, 5387.0, 5304.0, 5643.0, 5412.0, 5701.0, 5349.0, 5574.0, 5569.0, 5327.0, 5511.0, 5564.0, 5665.0, 5561.0, 5614.0, 5670.0, 5344.0, 5518.0, 5520.0, 5641.0, 5282.0, 5494.0, 5399.0, 5397.0, 5470.0, 5440.0, 5548.0, 5463.0, 5351.0, 5593.0, 5501.0, 5369.0, 5617.0, 5560.0, 5612.0, 5414.0, 5454.0, 5464.0, 5616.0, 5374.0, 5284.0, 5268.0, 5655.0, 5287.0, 5453.0, 5533.0, 5389.0, 5267.0, 5260.0, 5296.0, 5480.0, 5263.0, 5484.0, 5715.0, 5519.0, 5658.0, 5316.0, 5315.0, 5449.0, 5565.0, 5457.0, 5299.0, 5422.0, 5370.0, 5365.0, 5710.0, 5487.0, 5603.0, 5625.0, 5395.0, 5598.0, 5332.0, 5264.0, 5430.0, 5669.0, 5671.0, 5320.0, 5587.0, 5506.0, 5662.0, 5582.0, 5289.0, 5499.0, 5251.0, 5444.0, 5544.0, 5290.0, 5515.0, 5550.0, 5330.0, 5439.0, 5619.0, 5302.0, 5427.0, 5400.0, 5568.0, 5522.0, 5366.0 (number of hits: 4)
16	5500.0	9	1.0	333	1	5479.0, 5343.0, 5558.0, 5328.0, 5513.0, 5372.0, 5407.0, 5712.0, 5678.0, 5420.0, 5410.0, 5676.0, 5292.0, 5528.0, 5520.0, 5360.0, 5439.0, 5443.0, 5530.0, 5362.0, 5584.0, 5719.0, 5277.0, 5468.0, 5703.0, 5600.0, 5512.0, 5351.0, 5511.0, 5451.0, 5273.0, 5657.0, 5612.0, 5456.0, 5323.0, 5615.0, 5493.0, 5681.0, 5634.0, 5659.0, 5429.0, 5316.0, 5324.0, 5370.0, 5700.0, 5648.0, 5444.0, 5401.0, 5699.0, 5604.0, 5380.0, 5524.0, 5264.0, 5326.0, 5677.0, 5562.0, 5658.0, 5647.0, 5306.0, 5311.0, 5280.0, 5318.0, 5497.0, 5609.0, 5627.0, 5263.0, 5419.0, 5663.0, 5674.0, 5565.0, 5296.0, 5716.0, 5577.0, 5664.0, 5416.0, 5707.0, 5291.0, 5455.0, 5499.0, 5392.0, 5426.0, 5559.0, 5283.0, 5355.0, 5430.0, 5598.0, 5262.0, 5365.0, 5553.0, 5667.0, 5269.0, 5687.0, 5312.0, 5345.0, 5487.0, 5428.0, 5693.0, 5287.0, 5637.0, 5605.0 (number of hits: 3)
17	5500.0	9	1.0	333	1	5279.0, 5578.0, 5313.0, 5557.0, 5697.0, 5413.0, 5681.0, 5461.0, 5410.0, 5474.0, 5281.0, 5353.0, 5569.0, 5658.0, 5264.0, 5674.0, 5714.0, 5653.0, 5613.0, 5445.0, 5511.0, 5354.0, 5273.0, 5338.0, 5369.0, 5452.0, 5512.0, 5556.0, 5508.0, 5499.0, 5610.0, 5340.0, 5711.0, 5639.0, 5680.0, 5559.0, 5650.0, 5427.0, 5574.0, 5263.0, 5255.0, 5425.0, 5458.0, 5391.0, 5654.0, 5276.0, 5432.0, 5265.0, 5324.0, 5288.0, 5492.0, 5362.0, 5484.0, 5274.0, 5591.0, 5652.0, 5532.0, 5671.0, 5411.0, 5522.0, 5719.0, 5607.0, 5643.0, 5552.0, 5459.0, 5690.0, 5616.0, 5305.0, 5494.0, 5699.0, 5430.0, 5558.0, 5519.0, 5423.0, 5571.0, 5283.0, 5539.0, 5442.0, 5622.0, 5515.0, 5496.0, 5275.0, 5444.0, 5712.0,

						5646.0, 5620.0, 5399.0, 5547.0, 5392.0, 5308.0, 5684.0, 5335.0, 5562.0, 5295.0, 5679.0, 5703.0, 5675.0, 5372.0, 5293.0, 5284.0 (number of hits: 5)
18	5500.0	9	1.0	333	1	5647.0, 5306.0, 5254.0, 5394.0, 5595.0, 5273.0, 5294.0, 5468.0, 5436.0, 5282.0, 5679.0, 5470.0, 5641.0, 5544.0, 5302.0, 5444.0, 5342.0, 5270.0, 5703.0, 5417.0, 5569.0, 5433.0, 5475.0, 5675.0, 5341.0, 5695.0, 5337.0, 5355.0, 5378.0, 5567.0, 5258.0, 5501.0, 5547.0, 5581.0, 5639.0, 5502.0, 5575.0, 5678.0, 5370.0, 5274.0, 5301.0, 5364.0, 5586.0, 5354.0, 5266.0, 5680.0, 5632.0, 5580.0, 5682.0, 5642.0, 5484.0, 5362.0, 5428.0, 5523.0, 5407.0, 5582.0, 5684.0, 5299.0, 5331.0, 5375.0, 5478.0, 5532.0, 5465.0, 5262.0, 5473.0, 5442.0, 5619.0, 5357.0, 5613.0, 5412.0, 5708.0, 5506.0, 5321.0, 5516.0, 5485.0, 5312.0, 5648.0, 5334.0, 5625.0, 5268.0, 5631.0, 5672.0, 5405.0, 5676.0, 5441.0, 5717.0, 5305.0, 5683.0, 5315.0, 5620.0, 5505.0, 5389.0, 5493.0, 5513.0, 5510.0, 5583.0, 5466.0, 5487.0, 5515.0, 5667.0 (number of hits: 5)
19	5500.0	9	1.0	333	1	5577.0, 5407.0, 5615.0, 5625.0, 5449.0, 5393.0, 5278.0, 5562.0, 5496.0, 5587.0, 5697.0, 5443.0, 5713.0, 5440.0, 5654.0, 5707.0, 5373.0, 5590.0, 5484.0, 5531.0, 5312.0, 5642.0, 5511.0, 5277.0, 5388.0, 5612.0, 5506.0, 5481.0, 5392.0, 5549.0, 5500.0, 5310.0, 5505.0, 5513.0, 5282.0, 5252.0, 5597.0, 5379.0, 5261.0, 5605.0, 5413.0, 5659.0, 5638.0, 5385.0, 5358.0, 5476.0, 5359.0, 5376.0, 5349.0, 5270.0, 5258.0, 5311.0, 5395.0, 5256.0, 5343.0, 5489.0, 5682.0, 5318.0, 5667.0, 5557.0, 5610.0, 5508.0, 5351.0, 5616.0, 5545.0, 5711.0, 5462.0, 5472.0, 5565.0, 5421.0, 5350.0, 5483.0, 5669.0, 5536.0, 5432.0, 5486.0, 5387.0, 5335.0, 5338.0, 5573.0, 5330.0, 5319.0, 5264.0, 5656.0, 5325.0, 5524.0, 5555.0, 5664.0, 5547.0, 5289.0, 5596.0, 5294.0, 5630.0, 5438.0, 5626.0, 5602.0, 5622.0, 5633.0, 5309.0, 5487.0 (number of hits: 5)
20	5500.0	9	1.0	333	1	5306.0, 5411.0, 5545.0, 5454.0, 5624.0, 5445.0, 5301.0, 5709.0, 5488.0, 5371.0, 5585.0, 5385.0, 5683.0, 5511.0, 5318.0, 5477.0, 5384.0, 5602.0, 5613.0, 5291.0, 5559.0, 5320.0, 5449.0, 5351.0, 5362.0, 5630.0, 5325.0, 5429.0, 5405.0, 5676.0, 5551.0, 5604.0, 5581.0, 5463.0, 5715.0, 5333.0, 5312.0, 5661.0, 5681.0, 5571.0, 5680.0, 5335.0, 5721.0, 5408.0, 5417.0, 5608.0, 5514.0, 5360.0, 5702.0, 5525.0, 5519.0, 5638.0, 5645.0, 5350.0, 5315.0, 5376.0, 5302.0, 5250.0, 5546.0, 5462.0, 5607.0, 5287.0, 5314.0, 5532.0, 5438.0, 5296.0, 5722.0, 5256.0, 5700.0, 5503.0, 5337.0, 5465.0, 5493.0, 5502.0, 5348.0, 5410.0, 5658.0, 5361.0, 5364.0, 5605.0, 5626.0, 5359.0, 5345.0, 5269.0, 5625.0, 5533.0, 5322.0, 5478.0, 5396.0, 5575.0, 5266.0, 5684.0, 5442.0, 5354.0, 5615.0, 5674.0, 5507.0, 5662.0, 5307.0, 5479.0 (number of hits: 4)
21	5500.0	9	1.0	333	1	5622.0, 5508.0, 5488.0, 5465.0, 5400.0, 5254.0, 5378.0, 5336.0, 5350.0, 5263.0, 5321.0, 5363.0, 5544.0, 5486.0, 5698.0, 5525.0, 5558.0, 5478.0, 5709.0, 5294.0, 5617.0, 5547.0, 5458.0, 5395.0, 5679.0, 5542.0, 5310.0, 5651.0, 5588.0, 5534.0, 5587.0, 5317.0, 5519.0, 5511.0, 5364.0, 5646.0, 5667.0, 5561.0, 5628.0, 5485.0, 5581.0, 5298.0, 5623.0, 5266.0, 5365.0, 5642.0, 5482.0, 5538.0, 5638.0, 5250.0, 5528.0, 5675.0, 5560.0, 5504.0, 5541.0, 5335.0, 5361.0, 5431.0, 5351.0, 5427.0, 5280.0, 5455.0, 5639.0, 5556.0, 5399.0, 5484.0, 5678.0, 5629.0, 5569.0, 5695.0, 5663.0, 5722.0, 5548.0, 5585.0, 5277.0, 5270.0, 5391.0, 5469.0, 5706.0, 5527.0, 5385.0, 5419.0, 5600.0, 5509.0, 5496.0, 5421.0, 5606.0, 5690.0, 5476.0, 5257.0, 5307.0,

						5495.0, 5268.0, 5449.0, 5355.0, 5461.0, 5327.0, 5264.0, 5274.0, 5346.0 (number of hits: 5)
22	5500.0	9	1.0	333	1	5561.0, 5487.0, 5721.0, 5629.0, 5314.0, 5383.0, 5462.0, 5451.0, 5512.0, 5474.0, 5547.0, 5471.0, 5713.0, 5526.0, 5572.0, 5719.0, 5415.0, 5615.0, 5440.0, 5254.0, 5409.0, 5343.0, 5579.0, 5342.0, 5368.0, 5640.0, 5290.0, 5671.0, 5656.0, 5270.0, 5637.0, 5603.0, 5333.0, 5386.0, 5307.0, 5565.0, 5476.0, 5621.0, 5463.0, 5384.0, 5344.0, 5453.0, 5338.0, 5458.0, 5715.0, 5361.0, 5617.0, 5717.0, 5422.0, 5448.0, 5430.0, 5675.0, 5411.0, 5566.0, 5723.0, 5525.0, 5499.0, 5353.0, 5302.0, 5369.0, 5340.0, 5636.0, 5480.0, 5461.0, 5632.0, 5688.0, 5469.0, 5404.0, 5708.0, 5261.0, 5436.0, 5504.0, 5584.0, 5323.0, 5280.0, 5401.0, 5309.0, 5496.0, 5590.0, 5664.0, 5672.0, 5712.0, 5585.0, 5366.0, 5299.0, 5281.0, 5659.0, 5392.0, 5534.0, 5489.0, 5647.0, 5486.0, 5406.0, 5332.0, 5475.0, 5325.0, 5706.0, 5544.0, 5567.0, 5345.0 (number of hits: 3)
23	5500.0	9	1.0	333	1	5483.0, 5567.0, 5463.0, 5285.0, 5543.0, 5411.0, 5341.0, 5531.0, 5673.0, 5465.0, 5706.0, 5305.0, 5350.0, 5659.0, 5550.0, 5705.0, 5545.0, 5320.0, 5264.0, 5653.0, 5390.0, 5266.0, 5618.0, 5570.0, 5370.0, 5469.0, 5261.0, 5262.0, 5412.0, 5682.0, 5391.0, 5437.0, 5700.0, 5689.0, 5306.0, 5609.0, 5476.0, 5459.0, 5481.0, 5289.0, 5620.0, 5323.0, 5637.0, 5537.0, 5575.0, 5484.0, 5299.0, 5642.0, 5640.0, 5493.0, 5497.0, 5270.0, 5516.0, 5396.0, 5314.0, 5504.0, 5443.0, 5286.0, 5456.0, 5712.0, 5457.0, 5661.0, 5713.0, 5647.0, 5444.0, 5577.0, 5279.0, 5617.0, 5470.0, 5432.0, 5585.0, 5506.0, 5533.0, 5646.0, 5258.0, 5525.0, 5683.0, 5368.0, 5335.0, 5679.0, 5429.0, 5571.0, 5401.0, 5672.0, 5500.0, 5433.0, 5662.0, 5449.0, 5366.0, 5518.0, 5602.0, 5562.0, 5526.0, 5475.0, 5660.0, 5474.0, 5410.0, 5407.0, 5357.0, 5595.0 (number of hits: 5)
24	5500.0	9	1.0	333	1	5360.0, 5569.0, 5659.0, 5679.0, 5362.0, 5527.0, 5468.0, 5704.0, 5387.0, 5260.0, 5422.0, 5386.0, 5485.0, 5276.0, 5430.0, 5646.0, 5604.0, 5550.0, 5523.0, 5621.0, 5348.0, 5401.0, 5671.0, 5449.0, 5408.0, 5356.0, 5533.0, 5586.0, 5715.0, 5346.0, 5510.0, 5438.0, 5253.0, 5402.0, 5534.0, 5642.0, 5439.0, 5622.0, 5544.0, 5441.0, 5709.0, 5335.0, 5371.0, 5514.0, 5721.0, 5693.0, 5711.0, 5717.0, 5683.0, 5608.0, 5690.0, 5440.0, 5546.0, 5369.0, 5696.0, 5425.0, 5476.0, 5590.0, 5278.0, 5600.0, 5539.0, 5636.0, 5473.0, 5516.0, 5293.0, 5429.0, 5379.0, 5475.0, 5266.0, 5378.0, 5524.0, 5557.0, 5463.0, 5484.0, 5354.0, 5383.0, 5601.0, 5419.0, 5352.0, 5328.0, 5603.0, 5343.0, 5312.0, 5595.0, 5617.0, 5641.0, 5477.0, 5507.0, 5263.0, 5426.0, 5554.0, 5660.0, 5615.0, 5310.0, 5424.0, 5481.0, 5338.0, 5684.0, 5551.0, 5257.0 (number of hits: 1)
25	5500.0	9	1.0	333	1	5292.0, 5534.0, 5574.0, 5331.0, 5303.0, 5609.0, 5569.0, 5481.0, 5549.0, 5506.0, 5590.0, 5271.0, 5337.0, 5442.0, 5544.0, 5523.0, 5428.0, 5643.0, 5434.0, 5670.0, 5460.0, 5647.0, 5652.0, 5405.0, 5604.0, 5284.0, 5528.0, 5535.0, 5413.0, 5501.0, 5689.0, 5279.0, 5482.0, 5636.0, 5540.0, 5268.0, 5645.0, 5599.0, 5448.0, 5260.0, 5359.0, 5421.0, 5566.0, 5380.0, 5445.0, 5309.0, 5712.0, 5589.0, 5594.0, 5607.0, 5443.0, 5381.0, 5317.0, 5386.0, 5469.0, 5360.0, 5633.0, 5252.0, 5474.0, 5293.0, 5719.0, 5575.0, 5703.0, 5378.0, 5576.0, 5704.0, 5251.0, 5632.0, 5531.0, 5458.0, 5423.0, 5436.0, 5417.0, 5491.0, 5650.0, 5266.0, 5695.0, 5382.0, 5586.0, 5678.0, 5550.0, 5314.0, 5684.0, 5274.0, 5614.0, 5644.0, 5440.0, 5717.0, 5402.0, 5591.0, 5472.0, 5568.0, 5431.0, 5498.0, 5396.0, 5686.0, 5365.0, 5610.0,

						5665.0, 5250.0 (number of hits: 4)
26	5500.0	9	1.0	333	1	5634.0, 5264.0, 5606.0, 5571.0, 5431.0, 5656.0, 5518.0, 5611.0, 5277.0, 5492.0, 5347.0, 5677.0, 5398.0, 5488.0, 5682.0, 5556.0, 5714.0, 5375.0, 5640.0, 5664.0, 5364.0, 5283.0, 5491.0, 5299.0, 5454.0, 5322.0, 5615.0, 5434.0, 5325.0, 5523.0, 5688.0, 5598.0, 5397.0, 5721.0, 5459.0, 5583.0, 5669.0, 5652.0, 5300.0, 5311.0, 5657.0, 5473.0, 5335.0, 5707.0, 5405.0, 5639.0, 5666.0, 5648.0, 5621.0, 5436.0, 5552.0, 5622.0, 5304.0, 5609.0, 5430.0, 5507.0, 5319.0, 5659.0, 5683.0, 5369.0, 5409.0, 5296.0, 5557.0, 5627.0, 5456.0, 5255.0, 5502.0, 5250.0, 5532.0, 5705.0, 5276.0, 5343.0, 5345.0, 5288.0, 5365.0, 5484.0, 5588.0, 5528.0, 5591.0, 5464.0, 5377.0, 5710.0, 5441.0, 5522.0, 5344.0, 5468.0, 5372.0, 5679.0, 5424.0, 5620.0, 5563.0, 5703.0, 5533.0, 5362.0, 5644.0, 5653.0, 5719.0, 5259.0, 5411.0, 5645.0 (number of hits: 4)
27	5500.0	9	1.0	333	1	5379.0, 5542.0, 5445.0, 5523.0, 5580.0, 5424.0, 5709.0, 5586.0, 5376.0, 5335.0, 5257.0, 5690.0, 5403.0, 5325.0, 5700.0, 5301.0, 5357.0, 5362.0, 5380.0, 5290.0, 5412.0, 5558.0, 5654.0, 5650.0, 5605.0, 5484.0, 5429.0, 5270.0, 5629.0, 5274.0, 5399.0, 5282.0, 5565.0, 5258.0, 5253.0, 5459.0, 5368.0, 5404.0, 5658.0, 5364.0, 5298.0, 5594.0, 5358.0, 5668.0, 5706.0, 5612.0, 5367.0, 5651.0, 5506.0, 5530.0, 5664.0, 5659.0, 5263.0, 5531.0, 5439.0, 5428.0, 5471.0, 5555.0, 5308.0, 5292.0, 5432.0, 5613.0, 5431.0, 5655.0, 5509.0, 5363.0, 5332.0, 5503.0, 5598.0, 5657.0, 5344.0, 5485.0, 5326.0, 5513.0, 5472.0, 5497.0, 5521.0, 5453.0, 5268.0, 5529.0, 5599.0, 5686.0, 5281.0, 5553.0, 5460.0, 5481.0, 5561.0, 5619.0, 5306.0, 5273.0, 5610.0, 5532.0, 5577.0, 5511.0, 5537.0, 5339.0, 5384.0, 5548.0, 5653.0, 5334.0 (number of hits: 4)
28	5500.0	9	1.0	333	1	5326.0, 5429.0, 5411.0, 5314.0, 5371.0, 5368.0, 5426.0, 5297.0, 5354.0, 5279.0, 5676.0, 5395.0, 5495.0, 5543.0, 5359.0, 5638.0, 5448.0, 5563.0, 5424.0, 5453.0, 5532.0, 5473.0, 5305.0, 5609.0, 5265.0, 5441.0, 5324.0, 5703.0, 5344.0, 5443.0, 5491.0, 5490.0, 5459.0, 5285.0, 5306.0, 5643.0, 5707.0, 5711.0, 5506.0, 5652.0, 5343.0, 5632.0, 5296.0, 5573.0, 5613.0, 5277.0, 5556.0, 5361.0, 5621.0, 5484.0, 5458.0, 5722.0, 5482.0, 5502.0, 5681.0, 5356.0, 5570.0, 5382.0, 5595.0, 5278.0, 5536.0, 5436.0, 5376.0, 5574.0, 5437.0, 5586.0, 5598.0, 5533.0, 5622.0, 5651.0, 5636.0, 5690.0, 5427.0, 5348.0, 5686.0, 5624.0, 5351.0, 5415.0, 5421.0, 5696.0, 5374.0, 5682.0, 5639.0, 5605.0, 5511.0, 5284.0, 5587.0, 5486.0, 5529.0, 5301.0, 5617.0, 5637.0, 5312.0, 5275.0, 5561.0, 5438.0, 5510.0, 5420.0, 5315.0, 5528.0 (number of hits: 5)
29	5500.0	9	1.0	333	1	5473.0, 5689.0, 5704.0, 5678.0, 5477.0, 5334.0, 5534.0, 5526.0, 5475.0, 5684.0, 5292.0, 5512.0, 5585.0, 5618.0, 5295.0, 5385.0, 5296.0, 5584.0, 5368.0, 5616.0, 5357.0, 5547.0, 5254.0, 5710.0, 5600.0, 5549.0, 5358.0, 5372.0, 5486.0, 5644.0, 5666.0, 5537.0, 5672.0, 5642.0, 5451.0, 5462.0, 5291.0, 5602.0, 5445.0, 5429.0, 5495.0, 5470.0, 5335.0, 5518.0, 5411.0, 5487.0, 5699.0, 5471.0, 5349.0, 5423.0, 5271.0, 5424.0, 5708.0, 5299.0, 5508.0, 5432.0, 5309.0, 5252.0, 5418.0, 5476.0, 5250.0, 5576.0, 5551.0, 5615.0, 5356.0, 5264.0, 5597.0, 5489.0, 5519.0, 5420.0, 5570.0, 5263.0, 5611.0, 5468.0, 5506.0, 5639.0, 5500.0, 5387.0, 5637.0, 5571.0, 5364.0, 5284.0, 5370.0, 5619.0, 5510.0, 5588.0, 5382.0, 5361.0, 5680.0, 5439.0, 5511.0, 5636.0, 5311.0, 5433.0, 5313.0, 5594.0, 5609.0, 5504.0, 5723.0, 5721.0 (number of hits: 5)

30	5500.0	9	1.0	333	1	5359.0, 5717.0, 5260.0, 5431.0, 5251.0, 5289.0, 5673.0, 5312.0, 5362.0, 5345.0, 5476.0, 5462.0, 5669.0, 5298.0, 5418.0, 5495.0, 5343.0, 5455.0, 5524.0, 5336.0, 5609.0, 5580.0, 5280.0, 5488.0, 5615.0, 5344.0, 5670.0, 5477.0, 5449.0, 5638.0, 5452.0, 5273.0, 5272.0, 5342.0, 5683.0, 5440.0, 5681.0, 5588.0, 5349.0, 5338.0, 5446.0, 5347.0, 5398.0, 5597.0, 5627.0, 5464.0, 5706.0, 5276.0, 5575.0, 5300.0, 5469.0, 5363.0, 5346.0, 5637.0, 5610.0, 5438.0, 5599.0, 5537.0, 5661.0, 5688.0, 5256.0, 5586.0, 5512.0, 5635.0, 5653.0, 5640.0, 5397.0, 5552.0, 5361.0, 5380.0, 5718.0, 5503.0, 5684.0, 5479.0, 5489.0, 5316.0, 5674.0, 5354.0, 5499.0, 5429.0, 5484.0, 5321.0, 5425.0, 5302.0, 5328.0, 5690.0, 5281.0, 5253.0, 5569.0, 5381.0, 5266.0, 5613.0, 5458.0, 5579.0, 5658.0, 5412.0, 5521.0, 5523.0, 5576.0, 5350.0 (number of hits: 3)

P2P 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	70 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	89.2 %	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 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	86	1.0	618	1
2	62	1.0	858	1
3	95	1.0	558	1
4	78	1.0	678	1
5	67	1.0	798	1
6	92	1.0	578	1
7	74	1.0	718	0
8	89	1.0	598	1
9	76	1.0	698	1
10	72	1.0	738	1
11	57	1.0	938	1
12	65	1.0	818	1
13	81	1.0	658	1
14	58	1.0	918	1
15	70	1.0	758	1
16	20	1.0	2674	1
17	100	1.0	529	1
18	50	1.0	1063	1
19	27	1.0	1976	1
20	23	1.0	2347	1
21	90	1.0	593	1
22	28	1.0	1898	1
23	27	1.0	2006	1
24	37	1.0	1430	1
25	42	1.0	1271	1
26	77	1.0	691	1
27	41	1.0	1301	1
28	39	1.0	1382	1
29	23	1.0	2328	1
30	34	1.0	1593	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	25	3.3	165	1
2	29	4.9	219	1
3	23	2.7	150	1
4	24	2.0	201	1
5	28	4.6	187	0
6	27	1.8	193	0
7	24	3.2	173	1
8	24	2.4	215	1
9	23	1.2	190	0
10	23	4.5	175	0
11	25	3.2	168	1
12	29	4.2	225	1
13	26	5.0	152	0
14	25	1.4	163	1
15	29	4.6	206	1
16	26	3.4	193	0
17	26	1.3	168	0
18	25	2.7	221	1
19	23	2.4	156	1
20	27	4.8	178	1
21	25	4.6	159	0
22	24	4.4	226	1
23	27	1.9	222	1
24	23	1.7	217	0
25	26	4.8	151	1
26	24	1.8	186	1
27	28	1.6	169	1
28	27	3.8	193	1
29	27	3.3	204	1
30	25	3.1	202	1
Detection Percentage: 70.0 % (>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	18	6.2	215	1
2	17	7.6	435	1
3	16	9.1	200	1
4	17	6.6	359	1
5	16	9.9	214	1
6	18	9.3	245	1
7	17	6.7	386	1
8	16	6.1	230	0
9	16	7.4	206	1
10	17	8.8	222	1
11	16	6.6	261	1
12	18	7.6	291	1
13	16	7.4	284	1
14	16	8.0	210	1
15	16	6.2	370	1
16	16	9.4	238	1
17	16	6.0	492	1
18	17	7.7	497	1
19	16	7.9	466	1
20	17	9.3	229	0
21	16	10.0	293	1
22	16	6.1	260	1
23	16	7.9	398	1
24	17	6.7	243	1
25	18	7.7	228	1
26	18	6.0	463	1
27	18	8.7	427	1
28	18	9.2	394	1
29	16	6.3	277	0
30	16	6.9	409	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	13	19.0	426	1
2	13	14.0	324	1
3	12	17.2	453	1
4	16	19.7	472	1
5	15	13.7	203	1
6	13	17.9	259	1
7	15	11.5	464	1
8	16	17.0	377	1
9	15	12.0	483	1
10	16	17.8	388	1
11	14	14.0	466	1
12	15	17.4	417	1
13	15	16.5	364	1
14	16	11.8	306	1
15	14	15.0	375	0
16	16	11.2	364	0
17	14	13.2	380	1
18	13	15.4	385	1
19	16	18.6	352	1
20	16	11.3	336	1
21	13	19.5	480	1
22	16	12.4	440	1
23	12	14.8	410	1
24	15	12.4	364	1
25	14	19.1	483	0
26	15	18.7	457	1
27	13	18.1	440	1
28	14	13.4	474	1
29	13	19.5	395	1
30	13	11.4	275	1
Detection Percentage: 90 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5495.8	1
12	5497.4	1
13	5494.2	1
14	5497.0	1
15	5495.0	1
16	5497.8	1
17	5496.6	1
18	5493.4	1
19	5496.2	1
20	5493.8	1
21	5521.4	1
22	5521.4	1
23	5522.2	1
24	5524.2	1
25	5524.6	1
26	5523.8	1
27	5526.6	1
28	5522.6	1
29	5523.0	1
30	5523.8	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	77.6	1485		0.338681	1
1	3	6	62.1	1202	1694	1.190148	
2	2	6	72.3	1376		2.752334	
3	3	6	97.4	1101	1560	4.149198	
4	2	6	76.4	1774		4.570530	
5	1	6	91.7			6.421416	
6	3	6	59.6	1941	1693	6.663758	
7	2	6	76.0	1201		8.636479	
8	1	6	76.5			9.023478	
9	2	6	85.8	1136		10.367524	
10	2	6	55.5	1727		11.343727	

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	87.6	1505		0.785289	1
1	3	12	51.5	1306	1177	1.004098	
2	1	12	98.3			1.836352	
3	3	12	76.4	1111	1338	2.892868	
4	3	12	69.1	1623	1455	4.061348	
5	1	12	91.2			4.807406	
6	1	12	82.6			5.311182	
7	2	12	87.3	1150		6.530691	
8	2	12	62.7	1309		7.292305	
9	3	12	68.3	1483	1370	7.852283	
10	2	12	60.0	1247		8.995115	
11	1	12	88.1			10.143496	
12	2	12	89.4	1669		10.511745	
13	2	12	65.0	1075		11.482424	

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	16	55.5	1894	1729	0.955497	1
1	2	16	57.6	1883		1.986857	
2	3	16	56.0	1616	1203	2.743176	
3	3	16	81.5	1935	1263	3.941146	
4	2	16	73.4	1458		4.961815	
5	2	16	84.0	1111		5.081951	
6	3	16	91.4	1918	1217	6.638462	
7	3	16	84.9	1869	1409	7.271587	
8	2	16	65.7	1555		8.337231	
9	2	16	59.1	1455		9.630740	
10	1	16	76.5			10.524589	
11	2	16	61.2	1982		11.160965	

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	11	98.8	1579		0.252650	1
1	2	11	86.9	1245		0.815333	
2	1	11	89.9			1.932427	
3	3	11	62.8	1748	1198	2.159314	
4	2	11	58.4	1619		3.494793	
5	1	11	92.6			3.955259	
6	1	11	63.5			4.241444	
7	1	11	58.1			4.999691	
8	3	11	96.7	1877	1217	6.276749	
9	2	11	59.6	1318		6.981329	
10	3	11	74.2	1694	1458	7.439096	
11	2	11	83.3	1880		7.935582	
12	3	11	56.8	1849	1413	9.080169	
13	2	11	98.6	1091		9.610654	
14	3	11	67.3	1952	1933	10.002863	
15	2	11	86.9	1163		11.216300	
16	3	11	63.6	1434	1173	11.721419	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	90.6	1958		0.262723	1
1	1	10	99.6			1.203133	
2	2	10	69.5	1568		2.458033	
3	1	10	99.5			3.037309	
4	3	10	85.5	1041	1489	3.835085	
5	1	10	59.8			4.383329	
6	2	10	50.7	1566		5.557637	
7	2	10	51.1	1287		6.742960	
8	2	10	94.9	1390		7.216850	
9	2	10	77.0	1908		8.173608	
10	2	10	75.7	1257		8.956090	
11	1	10	60.3			9.773640	
12	1	10	83.8			10.295937	
13	2	10	81.6	1290		11.896826	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	73.3	1609	1370	0.798284	1
1	2	8	99.2	1146		2.193082	
2	2	8	64.8	1011		2.601367	
3	3	8	56.6	1879	1971	3.718644	
4	3	8	66.6	1896	1704	5.080367	
5	2	8	61.8	1975		6.550820	
6	1	8	59.9			7.522091	
7	3	8	65.5	1906	1208	8.513362	
8	3	8	50.4	1226	1150	9.955973	
9	2	8	79.6	1969		11.455779	

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	9	95.6			0.785041	1
1	2	9	62.3	1737		1.651546	
2	3	9	94.8	1812	1536	2.531467	
3	3	9	94.0	1650	1625	3.116646	
4	2	9	61.7	1695		3.958064	
5	2	9	61.0	1428		4.935019	
6	1	9	63.6			5.605724	
7	1	9	70.8			6.291192	
8	2	9	93.3	1261		6.891341	
9	2	9	57.0	1622		8.515996	
10	3	9	53.4	1029	1298	8.916723	
11	1	9	64.1			9.447899	
12	2	9	74.6	1982		11.076175	
13	2	9	55.2	1664		11.433306	

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	74.9	1977	1675	0.052948	1
1	2	12	70.3	1692		1.016912	
2	2	12	66.1	1574		2.099577	
3	1	12	94.6			2.502637	
4	2	12	85.7	1813		3.954896	
5	1	12	67.3			4.765270	
6	2	12	90.4	1990		5.147656	
7	2	12	85.6	1350		5.730006	
8	3	12	99.1	1236	1340	6.967686	
9	1	12	94.1			7.955587	
10	1	12	64.2			8.020627	
11	3	12	91.0	1511	1290	9.486859	
12	3	12	81.5	1163	1066	9.910282	
13	3	12	87.5	1634	1625	10.776862	
14	1	12	88.7			11.569978	

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	9	59.4	1052		0.104453	
1	2	9	58.0	1784		1.923966	
2	3	9	89.6	1608	1671	3.758528	
3	2	9	54.8	1126		4.447072	
4	2	9	62.6	1924		5.642760	1
5	2	9	73.7	1448		7.342714	
6	2	9	80.3	1189		8.872844	
7	3	9	99.1	1184	1384	9.741046	
8	2	9	71.7	1967		11.875385	

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	71.6			0.853902	
1	2	14	74.5	1039		1.221704	
2	2	14	99.5	1772		2.772338	
3	2	14	88.6	1617		3.906785	
4	3	14	67.9	1951	1430	4.627145	
5	3	14	68.5	1962	1957	5.829395	1
6	2	14	63.4	1444		7.175976	
7	2	14	80.4	1980		8.006889	
8	2	14	60.4	1257		9.208943	
9	3	14	63.2	1637	1917	10.711356	
10	3	14	80.9	1869	1744	11.671358	

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	72.1	1750	1428	0.157187	
1	2	12	75.1	1546		0.836106	
2	2	12	56.7	1555		1.600124	
3	2	12	73.4	1058		2.493556	
4	3	12	98.9	1246	1914	3.134669	
5	2	12	67.5	1814		3.747953	
6	2	12	77.0	1797		4.336076	
7	3	12	91.9	1588	1639	4.951725	
8	1	12	57.6			5.593257	1
9	1	12	67.5			6.196513	
10	1	12	53.3			7.045679	
11	2	12	91.5	1056		7.339981	
12	3	12	95.2	1240	1225	8.035244	
13	1	12	72.7			9.117559	
14	2	12	69.7	1572		9.507453	
15	1	12	80.6			10.496338	
16	2	12	73.9	1153		11.159860	
17	3	12	63.6	1155	1468	11.359371	

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	64.2	1163		0.275635	
1	2	16	61.5	1987		1.073175	
2	2	16	69.8	1053		1.952283	
3	2	16	83.0	1142		2.414552	
4	3	16	76.2	1393	1761	3.562230	
5	1	16	93.5			4.641116	
6	2	16	85.6	1305		4.976340	
7	2	16	86.0	1946		6.182508	1
8	3	16	52.1	1427	1850	6.425844	
9	1	16	50.2			7.777609	
10	2	16	63.6	1593		8.541823	
11	1	16	88.0			9.329655	
12	2	16	92.5	1581		9.727080	
13	2	16	83.2	1947		10.980273	
14	2	16	99.9	1900		11.403449	

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	8	73.9	1379	1684	0.793156	1
1	3	8	56.2	1801	1045	1.729285	
2	2	8	92.7	1933		2.799160	
3	1	8	67.5			3.357495	
4	3	8	59.7	1765	1597	4.429376	
5	3	8	88.8	1448	1717	5.742955	
6	3	8	75.2	1973	1998	6.098762	
7	3	8	54.1	1813	1667	7.403853	
8	2	8	88.5	1411		8.942569	
9	3	8	77.8	1349	1915	9.843252	
10	3	8	74.6	1448	1094	10.029182	
11	3	8	77.5	1498	1031	11.128440	

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	15	95.0	1920	1829	0.098370	1
1	2	15	67.4	1147		1.297394	
2	2	15	88.4	1383		2.238988	
3	2	15	69.4	1998		2.702125	
4	2	15	56.7	1187		3.139519	
5	2	15	85.2	1877		4.242154	
6	2	15	62.5	1934		4.739074	
7	2	15	71.4	1479		5.727021	
8	1	15	90.4			6.721808	
9	3	15	65.9	1312	1063	6.797952	
10	1	15	95.3			8.071847	
11	3	15	77.6	1423	1514	8.619336	
12	2	15	61.0	1267		9.333826	
13	3	15	54.7	1390	1245	10.097985	
14	1	15	81.1			11.125971	
15	2	15	53.8	1368		11.502584	

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	10	94.8	1820		0.283821	1
1	2	10	78.9	1761		1.875576	
2	2	10	90.0	1146		4.032677	
3	3	10	72.3	1145	1207	5.176412	
4	2	10	51.3	1488		6.359723	
5	2	10	54.3	1429		8.142224	
6	3	10	86.4	1970	1070	9.134481	
7	1	10	96.3			11.309956	

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	68.5	1724		0.317924	1
1	3	17	97.2	1149	1775	0.808790	
2	3	17	75.4	1674	1603	1.687658	
3	2	17	94.6	1702		2.775588	
4	2	17	95.0	1323		3.305986	
5	3	17	57.6	1580	1452	3.616033	
6	2	17	93.3	1406		4.762973	
7	2	17	93.8	1290		5.394477	
8	2	17	72.8	1409		6.246985	
9	3	17	73.5	1191	1197	6.408365	
10	1	17	59.9			7.617602	
11	2	17	96.8	1760		7.939500	
12	2	17	85.2	1323		8.624209	
13	1	17	50.7			9.517894	
14	3	17	52.2	1758	1164	9.998873	
15	2	17	91.4	1244		10.859285	
16	3	17	93.6	1710	1094	11.296605	

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	14	57.1	1373		0.627481	1
1	3	14	85.3	1339	1678	1.311334	
2	1	14	95.0			1.752629	
3	2	14	72.6	1502		2.324496	
4	3	14	61.2	1056	1375	3.253884	
5	3	14	77.5	1692	1768	3.339132	
6	2	14	72.7	1902		4.304867	
7	2	14	66.7	1006		4.895781	
8	3	14	94.7	1408	1140	5.428661	
9	2	14	80.7	1811		6.268695	
10	1	14	76.7			7.280328	
11	3	14	57.6	1722	1542	7.673415	
12	3	14	71.1	1878	1778	8.191673	
13	2	14	89.7	1432		9.061737	
14	2	14	73.9	1220		9.401847	
15	1	14	72.9			10.424708	
16	1	14	88.3			11.230490	
17	1	14	68.9			11.610908	

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	76.5	1899		0.558671	1
1	2	6	64.4	1407		1.121213	
2	3	6	60.8	1525	1943	2.139762	
3	2	6	50.3	1457		2.946118	
4	3	6	51.0	1788	1328	3.252364	
5	2	6	58.9	1260		4.024132	
6	3	6	64.3	1897	1699	4.563406	
7	1	6	86.4			5.707260	
8	1	6	83.2			6.710993	
9	1	6	63.4			7.031771	
10	2	6	53.0	1148		7.684304	
11	1	6	55.4			8.706410	
12	2	6	97.2	1966		9.478607	
13	3	6	69.1	1661	1174	10.409963	
14	1	6	79.9			10.695275	
15	2	6	74.9	1678		11.799497	

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	85.5	1477		0.393133	1
1	3	13	86.1	1632	1078	1.445173	
2	3	13	78.1	1364	1190	1.736026	
3	2	13	50.4	1090		2.289603	
4	2	13	56.4	1440		3.332505	
5	1	13	78.1			3.837050	
6	3	13	98.3	1022	1961	4.988356	
7	1	13	85.3			5.704083	
8	2	13	54.1	1089		6.183477	
9	1	13	97.6			6.940773	
10	2	13	68.2	1900		7.997552	
11	1	13	63.0			8.342034	
12	2	13	50.1	1531		9.211854	
13	2	13	98.5	1945		9.798464	
14	3	13	76.0	1860	1815	11.037200	
15	2	13	50.5	1274		11.907663	

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	77.7	1658		0.304030	1
1	3	7	50.9	1190	1470	1.355353	
2	2	7	64.9	1358		1.556736	
3	2	7	55.3	1729		2.239094	
4	2	7	74.6	1882		3.172952	
5	2	7	95.4	1130		3.665788	
6	2	7	93.9	1224		4.730936	
7	2	7	53.9	1886		5.592212	
8	3	7	70.7	1853	1836	6.178967	
9	2	7	99.2	1003		6.602806	
10	1	7	87.9			7.502452	
11	2	7	80.6	1230		7.993048	
12	1	7	90.4			8.864828	
13	2	7	71.1	1147		9.475144	
14	2	7	83.4	1617		10.451399	
15	2	7	86.0	1402		10.771205	
16	2	7	76.7	1169		11.301498	

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	74.6	1659		0.500735	
1	2	19	59.3	1408		1.814374	
2	2	19	93.2	1645		2.393844	
3	2	19	61.9	1200		3.452397	
4	1	19	63.0			5.013241	
5	2	19	87.4	1919		5.956657	1
6	2	19	84.1	1254		7.349160	
7	3	19	87.8	1360	1844	8.377137	
8	2	19	72.2	1697		9.132940	
9	2	19	75.0	1353		10.125094	
10	3	19	97.4	1822	1428	10.920774	

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	19	92.7			0.459299	
1	3	19	61.3	1481	1219	0.819110	
2	1	19	79.8			1.638325	
3	2	19	78.6	1844		1.932454	
4	1	19	86.5			2.929475	
5	2	19	61.2	1821		3.196043	
6	1	19	61.9			3.704050	
7	1	19	52.5			4.498420	
8	3	19	61.0	1892	1794	5.013065	
9	3	19	86.2	1330	1636	5.668666	
10	1	19	92.8			6.065535	1
11	3	19	98.3	1047	1297	6.844981	
12	3	19	96.6	1104	1641	7.346116	
13	1	19	60.2			8.355510	
14	2	19	97.9	1710		8.921762	
15	3	19	89.6	1264	1963	9.100141	
16	2	19	93.0	1285		9.975357	
17	2	19	86.1	1581		10.495349	
18	1	19	85.7			10.918362	
19	1	19	74.8			11.638676	

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	17	91.9			0.466466	1
1	1	17	57.2			1.336551	
2	3	17	95.1	1274	1492	1.779067	
3	2	17	64.2	1899		2.708151	
4	1	17	99.5			4.260591	
5	2	17	99.7	1329		5.096424	
6	1	17	56.0			5.510658	
7	1	17	99.4			6.619894	
8	2	17	56.7	1179		7.310169	
9	3	17	68.0	1446	1641	7.975479	
10	3	17	84.2	1013	1377	9.273276	
11	2	17	94.8	1694		10.025208	
12	2	17	58.6	1937		10.972363	
13	2	17	93.5	1711		11.729210	

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	91.4	1484		0.360163	1
1	2	12	66.1	1516		1.238617	
2	1	12	84.9			1.856023	
3	2	12	91.6	1092		2.607234	
4	3	12	97.5	1175	1499	3.315963	
5	1	12	99.3			3.812880	
6	2	12	97.9	1048		4.097691	
7	2	12	99.9	1569		4.948862	
8	3	12	75.0	1786	1405	5.437528	
9	2	12	68.9	1239		6.562801	
10	2	12	75.1	1172		6.808958	
11	2	12	50.6	1856		7.367687	
12	2	12	53.6	1255		8.435626	
13	2	12	81.2	1225		8.886204	
14	3	12	80.8	1329	1664	9.728158	
15	1	12	79.7			10.550290	
16	3	12	56.0	1020	1440	10.990970	
17	2	12	80.4	1500		11.482885	

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	91.6	1754		0.387198	1
1	2	11	50.3	1239		1.159719	
2	2	11	78.2	1561		1.567998	
3	3	11	80.0	1786	1450	2.971107	
4	1	11	77.7			3.023509	
5	1	11	81.3			4.359208	
6	2	11	77.3	1095		5.021492	
7	2	11	95.4	1459		5.698263	
8	1	11	86.5			6.621114	
9	2	11	67.0	1054		6.876360	
10	2	11	97.0	1157		8.187462	
11	2	11	56.4	1594		8.832850	
12	2	11	80.5	1516		9.272833	
13	2	11	90.9	1500		10.389411	
14	3	11	79.6	1584	1930	11.075572	
15	3	11	54.6	1568	1049	11.927619	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	90.3			0.426350	1
1	3	13	94.5	1215	1646	1.582703	
2	3	13	85.8	1149	1344	1.759766	
3	2	13	50.1	1428		2.570700	
4	2	13	83.0	1166		3.277043	
5	2	13	81.8	1321		4.221405	
6	3	13	68.8	1221	1292	5.200674	
7	1	13	68.9			5.681147	
8	2	13	68.8	1100		6.986642	
9	2	13	57.6	1302		7.824967	
10	1	13	58.2			8.181371	
11	3	13	96.1	1762	1656	8.830783	
12	2	13	81.0	1321		9.825244	
13	2	13	86.5	1178		10.569499	
14	1	13	78.0			11.242048	

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	6	91.1	1783	1117	0.362680	1
1	2	6	55.1	1996		1.479746	
2	3	6	89.5	1432	1436	2.489945	
3	2	6	64.1	1653		2.719214	
4	3	6	71.6	1301	1772	3.547495	
5	3	6	77.7	1102	1375	5.133607	
6	2	6	57.5	1657		5.657274	
7	2	6	64.8	1202		6.049470	
8	2	6	73.6	1894		7.557576	
9	1	6	92.3			8.042091	
10	2	6	73.6	1076		9.375322	
11	1	6	78.2			10.252241	
12	3	6	68.3	1364	1682	10.410268	
13	2	6	65.2	1589		11.560716	

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	16	93.6	1604	1276	0.515828	1
1	2	16	95.9	1702		1.199087	
2	3	16	80.3	1339	1339	2.235704	
3	3	16	90.4	1517	1130	2.803430	
4	2	16	67.4	1945		3.044503	
5	2	16	94.2	1156		4.039330	
6	3	16	61.0	1468	1727	4.651341	
7	3	16	70.2	1371	1406	5.553628	
8	3	16	61.3	1261	1101	6.523465	
9	3	16	61.7	1980	1547	7.153253	
10	1	16	70.2			7.858581	
11	1	16	98.3			8.417105	
12	1	16	52.0			9.618182	
13	3	16	52.2	1530	1803	9.968766	
14	2	16	74.8	1343		10.669006	
15	2	16	91.4	1886		11.489682	

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	15	79.3	1896	1522	1.047944	1
1	2	15	56.1	1861		2.297030	
2	2	15	83.2	1922		3.137237	
3	2	15	91.1	1307		4.483166	
4	1	15	60.4			5.960259	
5	3	15	58.2	1692	1239	6.568933	
6	2	15	81.7	1271		7.770905	
7	3	15	52.3	1746	1085	9.555182	
8	2	15	62.5	1937		9.987945	
9	2	15	76.8	1995		11.059322	

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	13	82.0	1078		0.607735	1
1	2	13	80.8	1258		1.319127	
2	3	13	97.8	1085	1759	2.867394	
3	2	13	99.9	1282		3.572553	
4	1	13	91.0			4.459393	
5	1	13	94.7			6.348711	
6	1	13	77.3			6.698621	
7	3	13	84.3	1003	1120	8.567198	
8	3	13	83.6	1712	1106	9.785193	
9	2	13	81.5	1825		10.472047	
10	1	13	65.0			11.029054	

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	5556.0, 5682.0, 5408.0, 5636.0, 5538.0, 5597.0, 5653.0, 5469.0, 5604.0, 5487.0, 5439.0, 5367.0, 5493.0, 5676.0, 5574.0, 5319.0, 5529.0, 5609.0, 5290.0, 5335.0, 5534.0, 5542.0, 5314.0, 5571.0, 5688.0, 5475.0, 5390.0, 5554.0, 5562.0, 5331.0, 5398.0, 5657.0, 5548.0, 5424.0, 5411.0, 5354.0, 5523.0, 5311.0, 5448.0, 5364.0, 5624.0, 5679.0, 5382.0, 5376.0, 5613.0, 5587.0, 5346.0, 5428.0, 5671.0, 5356.0, 5514.0, 5465.0, 5614.0, 5683.0, 5515.0, 5658.0, 5338.0, 5344.0, 5339.0, 5353.0, 5513.0, 5412.0, 5375.0, 5586.0, 5558.0, 5612.0, 5528.0, 5268.0, 5588.0, 5661.0, 5606.0, 5504.0, 5632.0, 5410.0, 5317.0, 5579.0, 5490.0, 5539.0, 5509.0, 5301.0, 5373.0, 5516.0, 5664.0, 5543.0, 5389.0, 5312.0, 5289.0, 5463.0, 5327.0, 5370.0, 5252.0, 5720.0, 5280.0, 5518.0, 5526.0, 5257.0, 5678.0, 5436.0, 5277.0, 5630.0 (number of hits: 11)
2	5510.0	9	1.0	333	1	5417.0, 5328.0, 5700.0, 5294.0, 5358.0, 5482.0, 5336.0, 5319.0, 5456.0, 5299.0, 5444.0, 5664.0, 5648.0, 5453.0, 5282.0, 5420.0, 5273.0, 5639.0, 5253.0, 5521.0, 5279.0, 5407.0, 5395.0, 5447.0, 5611.0, 5711.0, 5469.0, 5378.0, 5410.0, 5308.0, 5264.0, 5414.0, 5280.0, 5433.0, 5314.0, 5610.0, 5658.0, 5569.0, 5449.0, 5484.0, 5380.0, 5333.0, 5455.0, 5607.0, 5311.0, 5441.0, 5614.0, 5519.0, 5416.0, 5422.0, 5512.0, 5709.0, 5324.0, 5716.0, 5281.0, 5361.0, 5698.0, 5511.0, 5483.0, 5352.0, 5689.0, 5364.0, 5613.0, 5598.0, 5250.0, 5720.0, 5581.0, 5633.0, 5715.0, 5486.0, 5723.0, 5506.0, 5526.0, 5445.0, 5653.0, 5676.0, 5710.0, 5632.0, 5382.0, 5322.0, 5615.0, 5643.0, 5357.0, 5327.0, 5321.0, 5546.0, 5580.0, 5528.0, 5418.0, 5641.0, 5499.0, 5673.0, 5609.0, 5524.0, 5459.0, 5345.0, 5467.0, 5316.0, 5435.0, 5374.0 (number of hits: 9)
3	5510.0	9	1.0	333	1	5618.0, 5560.0, 5474.0, 5384.0, 5685.0, 5471.0, 5346.0, 5591.0, 5355.0, 5584.0, 5550.0, 5296.0, 5357.0, 5660.0, 5545.0, 5441.0, 5582.0, 5489.0, 5336.0, 5488.0, 5565.0, 5378.0, 5390.0, 5621.0, 5687.0, 5451.0, 5637.0, 5425.0, 5332.0, 5701.0, 5525.0, 5558.0, 5359.0, 5412.0, 5263.0, 5391.0, 5273.0, 5333.0, 5628.0, 5529.0, 5598.0, 5449.0, 5416.0, 5259.0, 5602.0, 5603.0, 5593.0, 5552.0, 5500.0, 5452.0, 5450.0, 5395.0, 5704.0, 5548.0, 5410.0, 5678.0, 5578.0, 5709.0, 5280.0, 5352.0, 5675.0, 5345.0, 5392.0, 5523.0, 5530.0, 5347.0, 5256.0, 5462.0, 5285.0, 5564.0, 5667.0, 5492.0, 5261.0, 5722.0, 5432.0, 5448.0, 5512.0, 5444.0, 5646.0, 5696.0, 5290.0, 5553.0, 5507.0, 5461.0, 5307.0, 5608.0, 5470.0, 5562.0, 5656.0, 5587.0, 5697.0, 5498.0, 5267.0, 5386.0, 5479.0, 5669.0, 5387.0, 5589.0, 5590.0, 5540.0 (number of hits: 7)
4	5510.0	9	1.0	333	1	5437.0, 5522.0, 5294.0, 5454.0, 5381.0, 5644.0, 5504.0, 5509.0, 5279.0, 5680.0, 5703.0, 5601.0, 5639.0, 5670.0, 5434.0, 5449.0, 5446.0, 5350.0, 5625.0, 5618.0, 5472.0, 5650.0, 5358.0, 5440.0, 5538.0, 5585.0, 5369.0, 5407.0, 5466.0, 5662.0, 5322.0, 5637.0, 5361.0, 5536.0, 5304.0, 5441.0, 5278.0, 5548.0, 5528.0, 5630.0, 5389.0, 5605.0, 5355.0, 5313.0, 5668.0, 5649.0, 5251.0, 5397.0, 5698.0, 5554.0, 5351.0, 5300.0, 5606.0, 5463.0, 5452.0, 5409.0, 5568.0, 5575.0, 5613.0, 5419.0, 5624.0, 5325.0, 5319.0, 5329.0, 5686.0, 5619.0, 5421.0, 5572.0, 5365.0, 5493.0,

						5621.0, 5513.0, 5411.0, 5283.0, 5453.0, 5633.0, 5340.0, 5512.0, 5514.0, 5720.0, 5646.0, 5312.0, 5553.0, 5500.0, 5591.0, 5663.0, 5457.0, 5598.0, 5410.0, 5588.0, 5658.0, 5485.0, 5515.0, 5632.0, 5498.0, 5433.0, 5412.0, 5385.0, 5398.0, 5464.0 (number of hits: 11)
5	5510.0	9	1.0	333	1	5707.0, 5346.0, 5583.0, 5555.0, 5382.0, 5451.0, 5408.0, 5587.0, 5552.0, 5434.0, 5419.0, 5491.0, 5706.0, 5697.0, 5560.0, 5387.0, 5332.0, 5520.0, 5298.0, 5710.0, 5613.0, 5530.0, 5296.0, 5455.0, 5658.0, 5281.0, 5373.0, 5423.0, 5721.0, 5321.0, 5653.0, 5272.0, 5558.0, 5405.0, 5647.0, 5354.0, 5359.0, 5616.0, 5412.0, 5636.0, 5473.0, 5632.0, 5297.0, 5670.0, 5581.0, 5343.0, 5454.0, 5676.0, 5618.0, 5637.0, 5375.0, 5651.0, 5369.0, 5464.0, 5448.0, 5553.0, 5250.0, 5416.0, 5597.0, 5302.0, 5660.0, 5650.0, 5488.0, 5309.0, 5691.0, 5626.0, 5330.0, 5570.0, 5714.0, 5506.0, 5554.0, 5265.0, 5627.0, 5344.0, 5526.0, 5307.0, 5708.0, 5323.0, 5466.0, 5308.0, 5504.0, 5417.0, 5385.0, 5363.0, 5444.0, 5687.0, 5499.0, 5325.0, 5320.0, 5648.0, 5495.0, 5519.0, 5403.0, 5367.0, 5548.0, 5318.0, 5489.0, 5585.0, 5516.0, 5496.0 (number of hits: 10)
6	5510.0	9	1.0	333	1	5455.0, 5413.0, 5344.0, 5646.0, 5501.0, 5518.0, 5373.0, 5661.0, 5296.0, 5285.0, 5427.0, 5549.0, 5573.0, 5304.0, 5659.0, 5330.0, 5531.0, 5452.0, 5354.0, 5260.0, 5403.0, 5652.0, 5347.0, 5421.0, 5485.0, 5671.0, 5647.0, 5557.0, 5695.0, 5539.0, 5576.0, 5709.0, 5297.0, 5306.0, 5498.0, 5669.0, 5479.0, 5574.0, 5349.0, 5524.0, 5592.0, 5579.0, 5435.0, 5684.0, 5595.0, 5265.0, 5532.0, 5668.0, 5392.0, 5670.0, 5384.0, 5474.0, 5545.0, 5715.0, 5269.0, 5450.0, 5364.0, 5262.0, 5521.0, 5512.0, 5564.0, 5548.0, 5328.0, 5571.0, 5251.0, 5351.0, 5284.0, 5637.0, 5692.0, 5629.0, 5533.0, 5600.0, 5480.0, 5621.0, 5316.0, 5583.0, 5591.0, 5529.0, 5678.0, 5598.0, 5607.0, 5587.0, 5506.0, 5610.0, 5371.0, 5318.0, 5511.0, 5601.0, 5711.0, 5544.0, 5559.0, 5327.0, 5550.0, 5466.0, 5484.0, 5453.0, 5348.0, 5300.0, 5572.0, 5640.0 (number of hits: 8)
7	5510.0	9	1.0	333	1	5584.0, 5594.0, 5571.0, 5675.0, 5297.0, 5698.0, 5600.0, 5403.0, 5331.0, 5566.0, 5614.0, 5447.0, 5577.0, 5366.0, 5387.0, 5633.0, 5476.0, 5396.0, 5360.0, 5620.0, 5373.0, 5538.0, 5483.0, 5262.0, 5302.0, 5496.0, 5497.0, 5477.0, 5494.0, 5588.0, 5590.0, 5456.0, 5400.0, 5416.0, 5673.0, 5272.0, 5553.0, 5383.0, 5597.0, 5448.0, 5560.0, 5300.0, 5611.0, 5351.0, 5533.0, 5434.0, 5425.0, 5602.0, 5718.0, 5384.0, 5317.0, 5720.0, 5284.0, 5285.0, 5532.0, 5295.0, 5457.0, 5377.0, 5367.0, 5617.0, 5398.0, 5712.0, 5465.0, 5393.0, 5609.0, 5268.0, 5670.0, 5576.0, 5521.0, 5364.0, 5627.0, 5653.0, 5439.0, 5466.0, 5347.0, 5419.0, 5621.0, 5546.0, 5316.0, 5301.0, 5677.0, 5308.0, 5551.0, 5293.0, 5662.0, 5321.0, 5674.0, 5382.0, 5547.0, 5412.0, 5589.0, 5502.0, 5446.0, 5492.0, 5441.0, 5630.0, 5437.0, 5592.0, 5642.0, 5449.0 (number of hits: 6)
8	5510.0	9	1.0	333	1	5593.0, 5387.0, 5715.0, 5443.0, 5530.0, 5701.0, 5546.0, 5596.0, 5565.0, 5595.0, 5303.0, 5706.0, 5482.0, 5563.0, 5359.0, 5458.0, 5680.0, 5574.0, 5416.0, 5428.0, 5400.0, 5476.0, 5328.0, 5396.0, 5590.0, 5322.0, 5275.0, 5668.0, 5471.0, 5495.0, 5591.0, 5544.0, 5365.0, 5335.0, 5278.0, 5569.0, 5623.0, 5558.0, 5714.0, 5466.0, 5549.0, 5384.0, 5315.0, 5390.0, 5600.0, 5300.0, 5411.0, 5571.0, 5465.0, 5694.0, 5515.0, 5370.0, 5284.0, 5721.0, 5654.0, 5512.0, 5542.0, 5382.0, 5696.0, 5379.0, 5499.0, 5299.0, 5539.0, 5698.0, 5452.0, 5690.0, 5310.0, 5620.0, 5670.0, 5439.0, 5589.0, 5682.0, 5417.0, 5674.0, 5341.0, 5429.0, 5462.0,

						5584.0, 5588.0, 5276.0, 5257.0, 5311.0, 5705.0, 5329.0, 5403.0, 5598.0, 5606.0, 5431.0, 5638.0, 5449.0, 5277.0, 5301.0, 5343.0, 5532.0, 5412.0, 5488.0, 5585.0, 5693.0, 5269.0, 5353.0 (number of hits: 4)
9	5510.0	9	1.0	333	1	5559.0, 5454.0, 5576.0, 5621.0, 5338.0, 5295.0, 5391.0, 5662.0, 5356.0, 5694.0, 5633.0, 5262.0, 5257.0, 5606.0, 5497.0, 5695.0, 5436.0, 5700.0, 5344.0, 5414.0, 5557.0, 5292.0, 5348.0, 5380.0, 5393.0, 5280.0, 5389.0, 5341.0, 5379.0, 5258.0, 5555.0, 5491.0, 5259.0, 5283.0, 5541.0, 5459.0, 5531.0, 5304.0, 5558.0, 5382.0, 5293.0, 5547.0, 5674.0, 5305.0, 5620.0, 5271.0, 5539.0, 5254.0, 5488.0, 5287.0, 5400.0, 5438.0, 5529.0, 5599.0, 5630.0, 5681.0, 5309.0, 5579.0, 5596.0, 5307.0, 5424.0, 5712.0, 5361.0, 5702.0, 5357.0, 5678.0, 5560.0, 5717.0, 5511.0, 5495.0, 5641.0, 5270.0, 5540.0, 5472.0, 5588.0, 5509.0, 5683.0, 5638.0, 5308.0, 5466.0, 5489.0, 5619.0, 5455.0, 5623.0, 5456.0, 5267.0, 5692.0, 5575.0, 5707.0, 5693.0, 5464.0, 5522.0, 5463.0, 5597.0, 5430.0, 5443.0, 5710.0, 5404.0, 5352.0, 5551.0 (number of hits: 6)
10	5510.0	9	1.0	333	1	5490.0, 5495.0, 5426.0, 5352.0, 5320.0, 5458.0, 5275.0, 5578.0, 5682.0, 5518.0, 5375.0, 5693.0, 5677.0, 5451.0, 5592.0, 5258.0, 5522.0, 5540.0, 5499.0, 5583.0, 5405.0, 5511.0, 5653.0, 5396.0, 5328.0, 5312.0, 5720.0, 5290.0, 5513.0, 5257.0, 5506.0, 5509.0, 5285.0, 5698.0, 5646.0, 5525.0, 5433.0, 5355.0, 5337.0, 5334.0, 5603.0, 5622.0, 5479.0, 5564.0, 5591.0, 5599.0, 5534.0, 5668.0, 5505.0, 5419.0, 5468.0, 5417.0, 5630.0, 5264.0, 5399.0, 5469.0, 5613.0, 5368.0, 5588.0, 5703.0, 5325.0, 5319.0, 5660.0, 5313.0, 5575.0, 5397.0, 5429.0, 5281.0, 5413.0, 5539.0, 5665.0, 5566.0, 5392.0, 5286.0, 5276.0, 5692.0, 5300.0, 5572.0, 5321.0, 5380.0, 5403.0, 5654.0, 5457.0, 5553.0, 5330.0, 5280.0, 5667.0, 5530.0, 5551.0, 5377.0, 5607.0, 5573.0, 5724.0, 5711.0, 5647.0, 5589.0, 5502.0, 5503.0, 5512.0, 5340.0 (number of hits: 13)
11	5510.0	9	1.0	333	1	5663.0, 5399.0, 5382.0, 5427.0, 5571.0, 5374.0, 5356.0, 5414.0, 5643.0, 5419.0, 5627.0, 5366.0, 5367.0, 5583.0, 5381.0, 5303.0, 5558.0, 5472.0, 5271.0, 5287.0, 5668.0, 5584.0, 5657.0, 5476.0, 5474.0, 5278.0, 5321.0, 5380.0, 5526.0, 5318.0, 5540.0, 5421.0, 5591.0, 5582.0, 5570.0, 5346.0, 5449.0, 5606.0, 5651.0, 5602.0, 5440.0, 5535.0, 5275.0, 5612.0, 5598.0, 5682.0, 5628.0, 5364.0, 5342.0, 5553.0, 5412.0, 5420.0, 5631.0, 5629.0, 5485.0, 5426.0, 5329.0, 5675.0, 5522.0, 5270.0, 5462.0, 5416.0, 5484.0, 5313.0, 5465.0, 5488.0, 5659.0, 5585.0, 5656.0, 5285.0, 5592.0, 5718.0, 5459.0, 5624.0, 5434.0, 5386.0, 5324.0, 5336.0, 5373.0, 5696.0, 5301.0, 5253.0, 5662.0, 5389.0, 5418.0, 5521.0, 5375.0, 5475.0, 5464.0, 5534.0, 5352.0, 5715.0, 5423.0, 5372.0, 5501.0, 5492.0, 5422.0, 5466.0, 5430.0, 5315.0 (number of hits: 5)
12	5510.0	9	1.0	333	1	5312.0, 5320.0, 5673.0, 5599.0, 5259.0, 5607.0, 5551.0, 5403.0, 5329.0, 5388.0, 5425.0, 5648.0, 5670.0, 5492.0, 5589.0, 5272.0, 5351.0, 5715.0, 5550.0, 5483.0, 5579.0, 5432.0, 5616.0, 5666.0, 5553.0, 5539.0, 5629.0, 5442.0, 5584.0, 5502.0, 5724.0, 5677.0, 5660.0, 5559.0, 5569.0, 5317.0, 5705.0, 5262.0, 5498.0, 5678.0, 5564.0, 5472.0, 5250.0, 5631.0, 5676.0, 5723.0, 5519.0, 5304.0, 5511.0, 5358.0, 5522.0, 5536.0, 5448.0, 5307.0, 5667.0, 5500.0, 5283.0, 5469.0, 5264.0, 5562.0, 5363.0, 5406.0, 5377.0, 5630.0, 5706.0, 5417.0, 5566.0, 5281.0, 5598.0, 5332.0, 5560.0, 5296.0, 5282.0, 5635.0, 5398.0, 5588.0, 5524.0, 5453.0, 5671.0, 5626.0, 5713.0, 5344.0, 5345.0, 5474.0,

						5575.0, 5618.0, 5393.0, 5675.0, 5481.0, 5591.0, 5544.0, 5639.0, 5659.0, 5440.0, 5434.0, 5493.0, 5287.0, 5276.0, 5327.0, 5632.0 (number of hits: 9)
13	5510.0	9	1.0	333	1	5721.0, 5658.0, 5370.0, 5543.0, 5601.0, 5411.0, 5698.0, 5389.0, 5350.0, 5296.0, 5309.0, 5561.0, 5495.0, 5330.0, 5346.0, 5719.0, 5372.0, 5336.0, 5361.0, 5284.0, 5310.0, 5396.0, 5435.0, 5570.0, 5577.0, 5379.0, 5277.0, 5257.0, 5429.0, 5656.0, 5373.0, 5305.0, 5528.0, 5316.0, 5718.0, 5488.0, 5609.0, 5464.0, 5431.0, 5605.0, 5624.0, 5288.0, 5377.0, 5321.0, 5557.0, 5449.0, 5406.0, 5662.0, 5568.0, 5332.0, 5450.0, 5720.0, 5627.0, 5341.0, 5440.0, 5334.0, 5560.0, 5655.0, 5409.0, 5499.0, 5515.0, 5300.0, 5556.0, 5708.0, 5320.0, 5391.0, 5419.0, 5602.0, 5631.0, 5596.0, 5402.0, 5606.0, 5638.0, 5295.0, 5308.0, 5608.0, 5590.0, 5282.0, 5368.0, 5292.0, 5516.0, 5567.0, 5319.0, 5384.0, 5649.0, 5553.0, 5479.0, 5532.0, 5452.0, 5669.0, 5704.0, 5251.0, 5412.0, 5364.0, 5428.0, 5436.0, 5291.0, 5595.0, 5580.0, 5461.0 (number of hits: 5)
14	5510.0	9	1.0	333	1	5602.0, 5606.0, 5377.0, 5662.0, 5342.0, 5405.0, 5364.0, 5265.0, 5489.0, 5583.0, 5379.0, 5438.0, 5422.0, 5642.0, 5416.0, 5601.0, 5588.0, 5336.0, 5449.0, 5585.0, 5349.0, 5618.0, 5685.0, 5595.0, 5611.0, 5406.0, 5530.0, 5504.0, 5430.0, 5448.0, 5465.0, 5373.0, 5639.0, 5540.0, 5556.0, 5710.0, 5477.0, 5470.0, 5681.0, 5475.0, 5407.0, 5494.0, 5577.0, 5569.0, 5550.0, 5492.0, 5607.0, 5444.0, 5551.0, 5553.0, 5399.0, 5323.0, 5558.0, 5676.0, 5468.0, 5426.0, 5457.0, 5698.0, 5661.0, 5514.0, 5574.0, 5650.0, 5353.0, 5269.0, 5587.0, 5620.0, 5592.0, 5360.0, 5390.0, 5527.0, 5460.0, 5333.0, 5626.0, 5380.0, 5288.0, 5701.0, 5531.0, 5455.0, 5543.0, 5296.0, 5615.0, 5335.0, 5262.0, 5328.0, 5347.0, 5675.0, 5579.0, 5501.0, 5474.0, 5625.0, 5597.0, 5319.0, 5637.0, 5599.0, 5441.0, 5424.0, 5318.0, 5297.0, 5490.0, 5452.0 (number of hits: 6)
15	5510.0	9	1.0	333	1	5646.0, 5549.0, 5572.0, 5721.0, 5403.0, 5412.0, 5477.0, 5309.0, 5433.0, 5440.0, 5337.0, 5659.0, 5482.0, 5497.0, 5518.0, 5686.0, 5542.0, 5287.0, 5691.0, 5579.0, 5422.0, 5596.0, 5379.0, 5434.0, 5601.0, 5252.0, 5257.0, 5578.0, 5455.0, 5582.0, 5301.0, 5334.0, 5262.0, 5450.0, 5272.0, 5650.0, 5265.0, 5532.0, 5439.0, 5525.0, 5363.0, 5276.0, 5459.0, 5380.0, 5720.0, 5325.0, 5437.0, 5341.0, 5328.0, 5340.0, 5723.0, 5705.0, 5371.0, 5474.0, 5333.0, 5701.0, 5466.0, 5537.0, 5453.0, 5467.0, 5562.0, 5442.0, 5641.0, 5510.0, 5460.0, 5619.0, 5722.0, 5635.0, 5268.0, 5356.0, 5425.0, 5718.0, 5266.0, 5405.0, 5534.0, 5673.0, 5588.0, 5681.0, 5382.0, 5490.0, 5463.0, 5408.0, 5632.0, 5658.0, 5557.0, 5375.0, 5591.0, 5600.0, 5280.0, 5484.0, 5487.0, 5358.0, 5614.0, 5368.0, 5569.0, 5662.0, 5391.0, 5445.0, 5489.0, 5424.0 (number of hits: 4)
16	5510.0	9	1.0	333	1	5599.0, 5324.0, 5362.0, 5264.0, 5641.0, 5475.0, 5435.0, 5288.0, 5607.0, 5705.0, 5605.0, 5369.0, 5623.0, 5366.0, 5461.0, 5312.0, 5664.0, 5609.0, 5689.0, 5619.0, 5541.0, 5659.0, 5540.0, 5487.0, 5613.0, 5486.0, 5282.0, 5367.0, 5680.0, 5322.0, 5670.0, 5359.0, 5721.0, 5723.0, 5343.0, 5616.0, 5424.0, 5268.0, 5360.0, 5687.0, 5695.0, 5597.0, 5477.0, 5652.0, 5272.0, 5339.0, 5681.0, 5658.0, 5630.0, 5287.0, 5666.0, 5253.0, 5690.0, 5269.0, 5697.0, 5711.0, 5470.0, 5301.0, 5361.0, 5560.0, 5573.0, 5583.0, 5305.0, 5502.0, 5336.0, 5714.0, 5537.0, 5273.0, 5285.0, 5716.0, 5439.0, 5674.0, 5429.0, 5704.0, 5522.0, 5250.0, 5318.0, 5342.0, 5280.0, 5270.0, 5355.0, 5495.0, 5384.0, 5333.0, 5440.0, 5353.0, 5514.0, 5434.0, 5307.0, 5289.0, 5334.0,

						5382.0, 5698.0, 5512.0, 5722.0, 5262.0, 5506.0, 5703.0, 5657.0, 5326.0 (number of hits: 6)
17	5510.0	9	1.0	333	1	5460.0, 5526.0, 5629.0, 5271.0, 5453.0, 5622.0, 5682.0, 5343.0, 5333.0, 5438.0, 5528.0, 5397.0, 5523.0, 5529.0, 5559.0, 5417.0, 5657.0, 5413.0, 5653.0, 5618.0, 5651.0, 5555.0, 5498.0, 5660.0, 5269.0, 5416.0, 5693.0, 5669.0, 5558.0, 5468.0, 5484.0, 5483.0, 5649.0, 5535.0, 5275.0, 5306.0, 5699.0, 5458.0, 5344.0, 5711.0, 5387.0, 5493.0, 5392.0, 5709.0, 5454.0, 5714.0, 5561.0, 5287.0, 5326.0, 5615.0, 5371.0, 5462.0, 5272.0, 5276.0, 5475.0, 5427.0, 5501.0, 5603.0, 5359.0, 5267.0, 5476.0, 5340.0, 5517.0, 5673.0, 5450.0, 5426.0, 5284.0, 5301.0, 5642.0, 5532.0, 5722.0, 5596.0, 5309.0, 5701.0, 5329.0, 5304.0, 5391.0, 5447.0, 5361.0, 5369.0, 5533.0, 5325.0, 5589.0, 5497.0, 5420.0, 5539.0, 5398.0, 5601.0, 5257.0, 5583.0, 5646.0, 5451.0, 5552.0, 5465.0, 5536.0, 5566.0, 5349.0, 5296.0, 5463.0, 5610.0 (number of hits: 8)
18	5510.0	9	1.0	333	1	5458.0, 5413.0, 5452.0, 5306.0, 5618.0, 5607.0, 5471.0, 5599.0, 5635.0, 5447.0, 5470.0, 5463.0, 5560.0, 5318.0, 5264.0, 5262.0, 5664.0, 5300.0, 5310.0, 5598.0, 5662.0, 5495.0, 5493.0, 5399.0, 5573.0, 5633.0, 5292.0, 5572.0, 5425.0, 5704.0, 5363.0, 5569.0, 5680.0, 5349.0, 5600.0, 5290.0, 5442.0, 5373.0, 5671.0, 5532.0, 5297.0, 5342.0, 5273.0, 5534.0, 5636.0, 5649.0, 5489.0, 5365.0, 5575.0, 5567.0, 5604.0, 5427.0, 5536.0, 5584.0, 5651.0, 5268.0, 5400.0, 5505.0, 5347.0, 5580.0, 5329.0, 5533.0, 5464.0, 5582.0, 5552.0, 5436.0, 5554.0, 5686.0, 5370.0, 5376.0, 5615.0, 5324.0, 5530.0, 5698.0, 5514.0, 5386.0, 5257.0, 5624.0, 5250.0, 5641.0, 5272.0, 5683.0, 5574.0, 5674.0, 5591.0, 5702.0, 5308.0, 5396.0, 5381.0, 5319.0, 5394.0, 5440.0, 5351.0, 5321.0, 5406.0, 5678.0, 5472.0, 5448.0, 5504.0, 5699.0 (number of hits: 5)
19	5510.0	9	1.0	333	1	5384.0, 5359.0, 5416.0, 5321.0, 5329.0, 5464.0, 5697.0, 5680.0, 5498.0, 5375.0, 5565.0, 5283.0, 5407.0, 5374.0, 5507.0, 5362.0, 5502.0, 5683.0, 5671.0, 5509.0, 5525.0, 5723.0, 5481.0, 5647.0, 5549.0, 5587.0, 5433.0, 5355.0, 5597.0, 5522.0, 5663.0, 5635.0, 5488.0, 5630.0, 5293.0, 5456.0, 5499.0, 5606.0, 5675.0, 5566.0, 5442.0, 5589.0, 5543.0, 5421.0, 5483.0, 5623.0, 5703.0, 5347.0, 5551.0, 5409.0, 5387.0, 5273.0, 5264.0, 5463.0, 5309.0, 5260.0, 5398.0, 5298.0, 5704.0, 5581.0, 5368.0, 5444.0, 5694.0, 5684.0, 5576.0, 5711.0, 5371.0, 5600.0, 5722.0, 5392.0, 5569.0, 5665.0, 5538.0, 5304.0, 5677.0, 5364.0, 5666.0, 5289.0, 5687.0, 5418.0, 5450.0, 5379.0, 5341.0, 5401.0, 5631.0, 5506.0, 5626.0, 5275.0, 5400.0, 5478.0, 5604.0, 5653.0, 5530.0, 5382.0, 5395.0, 5620.0, 5582.0, 5669.0, 5661.0, 5361.0 (number of hits: 8)
20	5510.0	9	1.0	333	1	5326.0, 5284.0, 5711.0, 5574.0, 5403.0, 5269.0, 5689.0, 5347.0, 5489.0, 5600.0, 5685.0, 5521.0, 5317.0, 5703.0, 5352.0, 5268.0, 5599.0, 5400.0, 5641.0, 5423.0, 5530.0, 5531.0, 5586.0, 5450.0, 5412.0, 5656.0, 5481.0, 5702.0, 5501.0, 5256.0, 5277.0, 5286.0, 5258.0, 5590.0, 5514.0, 5318.0, 5348.0, 5433.0, 5557.0, 5605.0, 5654.0, 5712.0, 5644.0, 5376.0, 5298.0, 5709.0, 5548.0, 5662.0, 5410.0, 5467.0, 5650.0, 5267.0, 5645.0, 5402.0, 5534.0, 5588.0, 5315.0, 5621.0, 5431.0, 5300.0, 5580.0, 5323.0, 5438.0, 5524.0, 5561.0, 5625.0, 5310.0, 5527.0, 5322.0, 5504.0, 5525.0, 5638.0, 5406.0, 5571.0, 5490.0, 5493.0, 5355.0, 5667.0, 5344.0, 5408.0, 5346.0, 5461.0, 5354.0, 5640.0, 5617.0, 5706.0, 5591.0, 5296.0, 5468.0, 5687.0, 5677.0, 5528.0, 5579.0, 5532.0, 5503.0, 5329.0, 5714.0, 5502.0,

						5358.0, 5335.0 (number of hits: 11)
21	5510.0	9	1.0	333	1	5394.0, 5587.0, 5517.0, 5341.0, 5467.0, 5663.0, 5576.0, 5449.0, 5415.0, 5459.0, 5414.0, 5349.0, 5348.0, 5562.0, 5715.0, 5297.0, 5541.0, 5396.0, 5365.0, 5629.0, 5547.0, 5384.0, 5307.0, 5358.0, 5362.0, 5699.0, 5633.0, 5446.0, 5301.0, 5624.0, 5595.0, 5373.0, 5485.0, 5316.0, 5631.0, 5375.0, 5441.0, 5291.0, 5530.0, 5713.0, 5357.0, 5644.0, 5438.0, 5440.0, 5465.0, 5619.0, 5524.0, 5479.0, 5680.0, 5529.0, 5377.0, 5607.0, 5355.0, 5606.0, 5667.0, 5518.0, 5634.0, 5388.0, 5339.0, 5604.0, 5548.0, 5647.0, 5344.0, 5434.0, 5694.0, 5328.0, 5345.0, 5666.0, 5466.0, 5692.0, 5691.0, 5477.0, 5571.0, 5309.0, 5347.0, 5677.0, 5567.0, 5668.0, 5342.0, 5635.0, 5427.0, 5528.0, 5331.0, 5617.0, 5451.0, 5422.0, 5463.0, 5417.0, 5698.0, 5487.0, 5256.0, 5697.0, 5447.0, 5512.0, 5273.0, 5329.0, 5661.0, 5343.0, 5481.0, 5721.0 (number of hits: 5)
22	5510.0	9	1.0	333	1	5301.0, 5687.0, 5329.0, 5327.0, 5503.0, 5448.0, 5657.0, 5681.0, 5516.0, 5413.0, 5704.0, 5299.0, 5274.0, 5476.0, 5710.0, 5310.0, 5354.0, 5414.0, 5390.0, 5407.0, 5291.0, 5683.0, 5277.0, 5384.0, 5607.0, 5311.0, 5510.0, 5601.0, 5392.0, 5632.0, 5385.0, 5613.0, 5344.0, 5630.0, 5275.0, 5254.0, 5521.0, 5313.0, 5497.0, 5548.0, 5627.0, 5484.0, 5625.0, 5381.0, 5500.0, 5452.0, 5450.0, 5461.0, 5502.0, 5639.0, 5286.0, 5438.0, 5524.0, 5347.0, 5454.0, 5394.0, 5353.0, 5290.0, 5489.0, 5267.0, 5650.0, 5323.0, 5457.0, 5604.0, 5522.0, 5670.0, 5693.0, 5605.0, 5437.0, 5334.0, 5292.0, 5309.0, 5251.0, 5560.0, 5378.0, 5391.0, 5690.0, 5485.0, 5341.0, 5380.0, 5305.0, 5515.0, 5427.0, 5445.0, 5663.0, 5512.0, 5635.0, 5482.0, 5651.0, 5451.0, 5265.0, 5550.0, 5258.0, 5263.0, 5517.0, 5449.0, 5592.0, 5321.0, 5544.0, 5653.0 (number of hits: 12)
23	5510.0	9	1.0	333	1	5380.0, 5447.0, 5661.0, 5406.0, 5441.0, 5549.0, 5513.0, 5698.0, 5696.0, 5297.0, 5395.0, 5262.0, 5570.0, 5354.0, 5307.0, 5451.0, 5427.0, 5699.0, 5622.0, 5700.0, 5330.0, 5260.0, 5423.0, 5627.0, 5577.0, 5440.0, 5418.0, 5384.0, 5689.0, 5372.0, 5648.0, 5620.0, 5583.0, 5369.0, 5687.0, 5257.0, 5664.0, 5635.0, 5309.0, 5279.0, 5567.0, 5547.0, 5701.0, 5311.0, 5321.0, 5529.0, 5565.0, 5579.0, 5713.0, 5678.0, 5719.0, 5346.0, 5646.0, 5273.0, 5429.0, 5631.0, 5253.0, 5362.0, 5684.0, 5290.0, 5468.0, 5518.0, 5407.0, 5363.0, 5272.0, 5562.0, 5514.0, 5287.0, 5510.0, 5654.0, 5711.0, 5412.0, 5493.0, 5455.0, 5615.0, 5521.0, 5526.0, 5399.0, 5528.0, 5600.0, 5601.0, 5663.0, 5368.0, 5680.0, 5637.0, 5504.0, 5266.0, 5531.0, 5499.0, 5281.0, 5396.0, 5524.0, 5392.0, 5509.0, 5607.0, 5626.0, 5422.0, 5382.0, 5366.0, 5612.0 (number of hits: 12)
24	5510.0	9	1.0	333	1	5525.0, 5563.0, 5682.0, 5312.0, 5321.0, 5486.0, 5638.0, 5334.0, 5646.0, 5279.0, 5277.0, 5455.0, 5441.0, 5491.0, 5420.0, 5265.0, 5578.0, 5709.0, 5500.0, 5454.0, 5402.0, 5582.0, 5445.0, 5417.0, 5342.0, 5398.0, 5657.0, 5308.0, 5721.0, 5598.0, 5278.0, 5462.0, 5614.0, 5503.0, 5298.0, 5474.0, 5377.0, 5724.0, 5692.0, 5493.0, 5448.0, 5696.0, 5618.0, 5332.0, 5625.0, 5619.0, 5722.0, 5415.0, 5392.0, 5649.0, 5442.0, 5652.0, 5326.0, 5648.0, 5487.0, 5400.0, 5656.0, 5575.0, 5468.0, 5369.0, 5697.0, 5485.0, 5512.0, 5318.0, 5626.0, 5252.0, 5513.0, 5565.0, 5511.0, 5532.0, 5658.0, 5456.0, 5478.0, 5629.0, 5716.0, 5339.0, 5427.0, 5609.0, 5593.0, 5664.0, 5352.0, 5689.0, 5551.0, 5323.0, 5714.0, 5695.0, 5683.0, 5584.0, 5622.0, 5641.0, 5373.0, 5307.0, 5356.0, 5288.0, 5349.0, 5567.0, 5691.0, 5637.0, 5458.0, 5460.0 (number of hits: 8)

25	5510.0	9	1.0	333	1	5694.0, 5643.0, 5657.0, 5479.0, 5363.0, 5664.0, 5625.0, 5368.0, 5675.0, 5442.0, 5540.0, 5292.0, 5391.0, 5344.0, 5503.0, 5352.0, 5549.0, 5405.0, 5564.0, 5506.0, 5469.0, 5546.0, 5487.0, 5273.0, 5424.0, 5526.0, 5568.0, 5396.0, 5423.0, 5629.0, 5717.0, 5674.0, 5330.0, 5258.0, 5409.0, 5678.0, 5636.0, 5263.0, 5709.0, 5648.0, 5313.0, 5569.0, 5552.0, 5351.0, 5454.0, 5349.0, 5618.0, 5419.0, 5685.0, 5399.0, 5472.0, 5341.0, 5581.0, 5560.0, 5416.0, 5287.0, 5673.0, 5252.0, 5331.0, 5461.0, 5509.0, 5346.0, 5558.0, 5590.0, 5450.0, 5285.0, 5303.0, 5275.0, 5452.0, 5524.0, 5566.0, 5320.0, 5367.0, 5541.0, 5693.0, 5301.0, 5523.0, 5677.0, 5443.0, 5555.0, 5482.0, 5510.0, 5484.0, 5342.0, 5377.0, 5381.0, 5257.0, 5463.0, 5475.0, 5413.0, 5317.0, 5654.0, 5588.0, 5547.0, 5310.0, 5260.0, 5710.0, 5278.0, 5333.0, 5490.0 (number of hits: 7)
26	5510.0	9	1.0	333	1	5571.0, 5483.0, 5361.0, 5657.0, 5462.0, 5605.0, 5702.0, 5569.0, 5475.0, 5658.0, 5600.0, 5331.0, 5507.0, 5428.0, 5486.0, 5414.0, 5387.0, 5585.0, 5589.0, 5401.0, 5540.0, 5718.0, 5576.0, 5402.0, 5712.0, 5570.0, 5687.0, 5343.0, 5354.0, 5539.0, 5477.0, 5580.0, 5629.0, 5467.0, 5372.0, 5519.0, 5276.0, 5300.0, 5355.0, 5321.0, 5542.0, 5689.0, 5594.0, 5370.0, 5393.0, 5463.0, 5501.0, 5642.0, 5640.0, 5595.0, 5449.0, 5422.0, 5312.0, 5470.0, 5252.0, 5492.0, 5441.0, 5384.0, 5350.0, 5303.0, 5491.0, 5256.0, 5617.0, 5415.0, 5633.0, 5326.0, 5619.0, 5461.0, 5516.0, 5624.0, 5342.0, 5531.0, 5394.0, 5691.0, 5592.0, 5383.0, 5420.0, 5653.0, 5340.0, 5648.0, 5527.0, 5720.0, 5719.0, 5341.0, 5292.0, 5285.0, 5673.0, 5257.0, 5320.0, 5318.0, 5294.0, 5265.0, 5281.0, 5368.0, 5649.0, 5413.0, 5434.0, 5586.0, 5335.0, 5267.0 (number of hits: 7)
27	5510.0	9	1.0	333	1	5587.0, 5454.0, 5624.0, 5491.0, 5544.0, 5434.0, 5386.0, 5392.0, 5447.0, 5265.0, 5697.0, 5258.0, 5641.0, 5706.0, 5495.0, 5375.0, 5401.0, 5652.0, 5488.0, 5374.0, 5451.0, 5287.0, 5362.0, 5430.0, 5597.0, 5483.0, 5549.0, 5290.0, 5306.0, 5379.0, 5611.0, 5569.0, 5465.0, 5629.0, 5403.0, 5384.0, 5463.0, 5574.0, 5472.0, 5578.0, 5510.0, 5572.0, 5316.0, 5296.0, 5658.0, 5387.0, 5515.0, 5638.0, 5500.0, 5394.0, 5582.0, 5373.0, 5681.0, 5272.0, 5460.0, 5302.0, 5594.0, 5723.0, 5402.0, 5519.0, 5627.0, 5710.0, 5651.0, 5701.0, 5529.0, 5364.0, 5318.0, 5357.0, 5668.0, 5596.0, 5464.0, 5504.0, 5575.0, 5333.0, 5678.0, 5511.0, 5667.0, 5512.0, 5535.0, 5452.0, 5310.0, 5326.0, 5644.0, 5260.0, 5433.0, 5437.0, 5416.0, 5720.0, 5478.0, 5399.0, 5417.0, 5493.0, 5439.0, 5431.0, 5665.0, 5699.0, 5354.0, 5355.0, 5352.0, 5389.0 (number of hits: 10)
28	5510.0	9	1.0	333	1	5452.0, 5330.0, 5369.0, 5556.0, 5478.0, 5326.0, 5647.0, 5516.0, 5288.0, 5534.0, 5327.0, 5429.0, 5331.0, 5685.0, 5388.0, 5530.0, 5655.0, 5407.0, 5535.0, 5500.0, 5491.0, 5696.0, 5456.0, 5634.0, 5585.0, 5405.0, 5291.0, 5706.0, 5581.0, 5480.0, 5511.0, 5509.0, 5587.0, 5691.0, 5575.0, 5415.0, 5256.0, 5495.0, 5392.0, 5408.0, 5552.0, 5434.0, 5475.0, 5504.0, 5713.0, 5507.0, 5564.0, 5447.0, 5595.0, 5486.0, 5342.0, 5375.0, 5461.0, 5365.0, 5473.0, 5393.0, 5357.0, 5684.0, 5605.0, 5296.0, 5458.0, 5252.0, 5513.0, 5303.0, 5465.0, 5259.0, 5254.0, 5414.0, 5367.0, 5569.0, 5481.0, 5638.0, 5443.0, 5462.0, 5411.0, 5588.0, 5557.0, 5274.0, 5654.0, 5432.0, 5671.0, 5709.0, 5464.0, 5594.0, 5421.0, 5450.0, 5653.0, 5582.0, 5436.0, 5343.0, 5599.0, 5479.0, 5674.0, 5381.0, 5703.0, 5518.0, 5359.0, 5590.0, 5322.0, 5659.0 (number of hits: 10)
29	5510.0	9	1.0	333	1	5500.0, 5616.0, 5667.0, 5621.0, 5351.0, 5412.0, 5692.0,

						5638.0, 5716.0, 5539.0, 5644.0, 5586.0, 5568.0, 5514.0, 5348.0, 5547.0, 5283.0, 5720.0, 5596.0, 5499.0, 5591.0, 5433.0, 5459.0, 5486.0, 5554.0, 5563.0, 5371.0, 5701.0, 5661.0, 5354.0, 5404.0, 5392.0, 5549.0, 5620.0, 5647.0, 5652.0, 5431.0, 5641.0, 5496.0, 5722.0, 5466.0, 5304.0, 5649.0, 5389.0, 5523.0, 5362.0, 5254.0, 5387.0, 5403.0, 5531.0, 5708.0, 5610.0, 5469.0, 5437.0, 5406.0, 5713.0, 5302.0, 5553.0, 5648.0, 5635.0, 5388.0, 5615.0, 5585.0, 5632.0, 5502.0, 5346.0, 5420.0, 5471.0, 5597.0, 5588.0, 5631.0, 5561.0, 5607.0, 5374.0, 5639.0, 5560.0, 5306.0, 5337.0, 5298.0, 5633.0, 5532.0, 5552.0, 5381.0, 5572.0, 5627.0, 5479.0, 5444.0, 5352.0, 5699.0, 5518.0, 5662.0, 5600.0, 5646.0, 5456.0, 5519.0, 5666.0, 5604.0, 5534.0, 5382.0, 5301.0 (number of hits: 8)
30	5510.0	9	1.0	333	1	5701.0, 5651.0, 5697.0, 5361.0, 5529.0, 5515.0, 5621.0, 5504.0, 5587.0, 5299.0, 5637.0, 5534.0, 5289.0, 5488.0, 5509.0, 5474.0, 5582.0, 5375.0, 5575.0, 5522.0, 5684.0, 5385.0, 5453.0, 5501.0, 5443.0, 5600.0, 5418.0, 5321.0, 5304.0, 5470.0, 5539.0, 5497.0, 5709.0, 5351.0, 5480.0, 5704.0, 5429.0, 5561.0, 5265.0, 5696.0, 5595.0, 5544.0, 5642.0, 5266.0, 5318.0, 5715.0, 5475.0, 5305.0, 5438.0, 5395.0, 5722.0, 5683.0, 5493.0, 5609.0, 5531.0, 5630.0, 5432.0, 5258.0, 5533.0, 5408.0, 5487.0, 5255.0, 5275.0, 5655.0, 5279.0, 5492.0, 5457.0, 5654.0, 5639.0, 5570.0, 5481.0, 5376.0, 5462.0, 5354.0, 5506.0, 5494.0, 5388.0, 5694.0, 5316.0, 5433.0, 5424.0, 5256.0, 5541.0, 5405.0, 5280.0, 5483.0, 5660.0, 5677.0, 5708.0, 5546.0, 5525.0, 5373.0, 5431.0, 5485.0, 5448.0, 5352.0, 5264.0, 5680.0, 5665.0, 5718.0 (number of hits: 11)

P2P Mode
Pine 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	93.3 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7%	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 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	67	1.0	798	1
2	18	1.0	3066	1
3	89	1.0	598	1
4	63	1.0	838	1
5	86	1.0	618	1
6	68	1.0	778	1
7	70	1.0	758	1
8	62	1.0	858	1
9	74	1.0	718	0
10	65	1.0	818	1
11	102	1.0	518	1
12	99	1.0	538	1
13	78	1.0	678	1
14	72	1.0	738	1
15	61	1.0	878	1
16	27	1.0	1975	1
17	55	1.0	973	1
18	101	1.0	523	1
19	25	1.0	2117	1
20	21	1.0	2618	1
21	37	1.0	1434	1
22	31	1.0	1734	1
23	28	1.0	1919	1
24	42	1.0	1278	1
25	52	1.0	1033	1
26	59	1.0	895	1
27	23	1.0	2382	1
28	29	1.0	1859	1
29	31	1.0	1730	1
30	27	1.0	1964	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	24	1.1	224	1
2	24	2.0	190	1
3	24	3.1	155	1
4	25	3.8	152	0
5	25	1.7	208	1
6	25	3.5	219	1
7	26	4.0	174	1
8	29	1.5	193	1
9	25	1.9	152	1
10	29	4.1	154	1
11	25	3.8	169	1
12	25	2.7	208	1
13	23	4.9	150	1
14	29	3.1	175	1
15	24	4.1	177	1
16	24	2.2	176	0
17	29	4.0	180	1
18	25	4.6	160	1
19	27	3.0	229	1
20	26	1.7	204	1
21	27	2.4	197	1
22	28	1.2	184	1
23	29	4.8	190	1
24	24	1.4	157	1
25	24	3.3	161	1
26	27	1.9	215	1
27	24	4.0	171	1
28	29	2.6	167	1
29	25	2.6	205	1
30	23	2.7	214	1
Detection Percentage: 93.3 % (>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	18	9.5	413	1
2	17	7.4	240	1
3	17	7.5	337	0
4	17	9.8	394	0
5	18	6.1	417	1
6	18	8.4	308	0
7	16	6.0	402	1
8	16	6.9	288	1
9	17	9.6	480	0
10	16	9.0	266	1
11	16	6.0	297	1
12	18	9.2	432	1
13	18	9.7	453	1
14	17	9.0	390	1
15	17	8.0	216	1
16	18	8.9	487	1
17	16	7.5	420	1
18	17	8.7	480	1
19	17	6.4	242	1
20	18	8.4	271	1
21	17	9.1	298	1
22	17	7.1	294	1
23	17	9.3	368	1
24	18	7.6	479	1
25	16	9.0	477	1
26	17	6.7	281	1
27	17	7.6	455	1
28	18	8.6	323	1
29	17	6.1	499	1
30	16	9.0	465	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	16	19.9	298	1
2	13	16.7	487	1
3	14	16.9	340	1
4	16	11.8	254	1
5	16	12.5	260	1
6	14	15.9	494	1
7	15	17.4	469	1
8	13	17.8	327	1
9	13	11.4	371	1
10	12	17.0	239	1
11	14	19.0	471	0
12	15	11.1	228	1
13	15	11.2	455	1
14	14	17.2	247	1
15	15	15.1	452	1
16	12	16.2	203	0
17	16	16.4	330	1
18	14	18.1	260	1
19	14	17.5	201	1
20	16	17.1	304	1
21	14	14.9	442	0
22	15	19.8	480	1
23	14	16.3	301	1
24	16	17.2	342	1
25	12	19.6	298	1
26	14	13.0	302	1
27	13	18.7	220	1
28	15	17.5	230	1
29	14	19.6	350	1
30	16	15.0	221	1
Detection Percentage: 90 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5495.9	1
12	5497.1	1
13	5495.5	1
14	5493.9	1
15	5496.3	1
16	5497.5	1
17	5497.1	1
18	5493.9	1
19	5494.3	1
20	5495.5	1
21	5565.7	1
22	5563.3	1
23	5565.7	1
24	5565.7	1
25	5560.5	1
26	5565.3	1
27	5562.5	1
28	5563.7	1
29	5560.9	1
30	5564.5	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	2	14	92.3	1389		0.356012	1
1	3	14	61.6	1840	1472	1.262388	
2	2	14	59.0	1120		1.801215	
3	3	14	87.9	1156	1156	2.464276	
4	2	14	70.6	1812		3.114909	
5	1	14	52.9			4.036024	
6	1	14	56.7			4.917473	
7	1	14	94.1			5.256183	
8	3	14	51.6	1449	1945	6.116017	
9	2	14	75.1	1394		6.911122	
10	3	14	50.4	1266	1678	7.524699	
11	3	14	55.7	1338	1368	8.329978	
12	2	14	97.8	1044		9.293954	
13	3	14	98.2	1507	1278	10.049221	
14	1	14	54.7			11.199829	
15	2	14	52.5	1686		11.468806	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	61.5			1.035419	1
1	1	8	57.9			1.314874	
2	1	8	87.0			2.860753	
3	2	8	95.2	1835		3.854203	
4	3	8	73.0	1726	1496	5.091810	
5	1	8	88.0			6.178784	
6	2	8	65.5	1892		7.128012	
7	3	8	67.2	1389	1187	8.131744	
8	2	8	78.1	1105		9.380771	
9	3	8	98.1	1247	1649	10.543546	
10	2	8	52.6	1035		11.850972	

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	56.0			0.320972	1
1	2	14	69.3	1484		1.721657	
2	2	14	97.1	1450		2.163485	
3	3	14	69.6	1488	1229	3.173859	
4	2	14	81.9	1469		4.868992	
5	1	14	76.0			5.366938	
6	1	14	57.3			6.206702	
7	2	14	58.8	1489		7.349834	
8	3	14	94.5	1515	1505	8.213756	
9	3	14	54.8	1765	1699	9.356517	
10	2	14	76.5	1331		10.121818	
11	1	14	98.9			11.795069	

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	95.3	1184		0.417618	1
1	2	10	52.3	1144		1.256215	
2	2	10	80.5	1563		2.153591	
3	2	10	58.6	1118		3.156915	
4	1	10	82.0			3.871078	
5	1	10	51.3			4.718590	
6	1	10	85.3			5.364489	
7	2	10	68.7	1077		6.383486	
8	3	10	71.0	1399	1097	7.640519	
9	2	10	50.4	1459		7.856460	
10	1	10	85.8			8.723731	
11	2	10	53.2	1142		10.021348	
12	2	10	92.7	1115		10.890638	
13	3	10	79.7	1404	1023	11.357851	

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	6	95.0			0.179246	
1	2	6	74.0	1944		1.236114	
2	2	6	83.2	1494		1.799503	
3	1	6	66.0			3.195209	
4	1	6	77.0			3.420209	
5	2	6	68.8	1033		4.098736	
6	1	6	94.1			5.009869	
7	2	6	74.7	1122		6.296620	1
8	2	6	88.7	1797		6.848250	
9	1	6	52.4			7.828947	
10	2	6	89.9	1809		8.493346	
11	2	6	83.6	1631		9.005437	
12	2	6	90.4	1439		9.868310	
13	1	6	98.4			10.873864	
14	2	6	52.6	1884		11.441218	

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	12	55.7	1385		0.111812	
1	2	12	89.0	1340		1.317074	
2	2	12	96.9	1798		1.786534	
3	3	12	50.0	1113	1877	2.608023	
4	2	12	74.1	1136		2.918726	
5	2	12	61.1	1932		3.975857	
6	2	12	90.1	1139		4.514971	
7	2	12	62.8	1652		4.995885	
8	1	12	74.9			6.261051	1
9	2	12	84.7	1560		6.603456	
10	1	12	88.0			7.203987	
11	3	12	67.3	1972	1086	7.771910	
12	2	12	73.4	1471		8.704445	
13	1	12	90.6			9.440821	
14	1	12	58.7			10.309267	
15	2	12	55.3	1721		10.939725	
16	3	12	63.8	1055	1174	11.863831	

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	69.6	1794		0.590347	
1	2	12	74.4	1505		0.706142	
2	2	12	74.8	1568		1.889307	
3	2	12	96.5	1206		2.258570	
4	3	12	87.9	1732	1545	3.131924	
5	1	12	98.4			3.524109	
6	2	12	53.0	1285		4.324656	
7	2	12	76.1	1064		4.586014	
8	2	12	51.0	1427		5.254868	
9	2	12	70.6	1537		6.294734	1
10	3	12	60.5	1183	1334	6.371382	
11	1	12	84.6			6.992413	
12	2	12	54.2	1643		8.129562	
13	1	12	54.1			8.286498	
14	1	12	56.9			8.955844	
15	2	12	87.7	1215		9.675585	
16	2	12	66.9	1116		10.452875	
17	2	12	75.0	1489		10.893977	
18	2	12	90.0	1222		11.946400	

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	92.7	1796		0.765001	
1	2	7	81.6	1032		1.636597	
2	2	7	63.4	1430		3.326523	
3	3	7	95.5	1449	1668	3.898868	
4	2	7	92.8	1430		4.838735	
5	2	7	52.7	1613		6.711273	1
6	2	7	85.6	1688		8.259709	
7	2	7	60.6	1675		8.489406	
8	2	7	79.2	1160		9.611690	
9	3	7	65.6	1302	1513	11.675172	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	97.9	1097		0.137243	1
1	1	11	96.2			1.021719	
2	1	11	60.4			1.741714	
3	2	11	54.1	1291		2.426580	
4	2	11	58.4	1351		3.509313	
5	1	11	89.8			3.837170	
6	2	11	66.3	1819		4.556656	
7	2	11	88.5	1044		5.517009	
8	3	11	53.1	1571	1932	6.618961	
9	1	11	63.3			7.369504	
10	1	11	68.3			7.884912	
11	2	11	51.5	1410		8.763782	
12	2	11	68.4	1266		9.133689	
13	2	11	66.1	1938		9.876547	
14	2	11	61.3	1701		10.907585	
15	2	11	85.3	1639		11.668830	

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	70.9	1408		0.074496	1
1	2	8	89.1	1491		0.984273	
2	3	8	66.3	1296	1635	2.065955	
3	2	8	70.7	1556		2.381219	
4	2	8	71.1	1117		3.127202	
5	2	8	75.0	1129		4.489215	
6	2	8	98.8	1321		4.551537	
7	2	8	54.5	1575		5.594105	
8	3	8	97.6	1828	1843	6.488107	
9	3	8	91.2	1549	1961	6.849176	
10	3	8	62.3	1137	1888	8.183091	
11	2	8	97.5	1188		8.582689	
12	1	8	97.1			9.302273	
13	3	8	72.1	1820	1799	9.756350	
14	3	8	89.1	1098	1608	10.784132	
15	1	8	77.0			11.932694	

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	62.9	1298	1134	0.325627	1
1	1	11	85.1			1.546938	
2	3	11	60.5	1577	1665	3.051618	
3	1	11	58.3			3.558243	
4	2	11	77.5	1412		4.737648	
5	1	11	83.6			6.296866	
6	2	11	83.8	1948		7.115024	
7	2	11	76.6	1452		8.092819	
8	1	11	99.3			9.304316	
9	3	11	82.9	1578	1664	10.479833	
10	2	11	70.0	1098		11.714478	

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	14	77.4	1013	1989	0.146891	1
1	1	14	54.4			1.391267	
2	2	14	84.2	1980		3.213110	
3	2	14	99.2	1983		4.635772	
4	3	14	80.3	1945	1484	4.955084	
5	2	14	91.1	1612		6.386562	
6	2	14	99.4	1736		7.669485	
7	3	14	67.8	1796	1401	9.495170	
8	2	14	56.9	1083		10.705620	
9	1	14	82.9			11.593903	

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	95.2	1195		0.302919	1
1	1	10	99.0			0.693215	
2	1	10	50.1			1.532410	
3	1	10	85.1			2.247975	
4	2	10	99.6	1468		2.456174	
5	2	10	76.7	1807		3.352788	
6	2	10	79.9	1284		3.770283	
7	3	10	54.8	1679	1251	4.327857	
8	3	10	99.2	1882	1275	5.266290	
9	1	10	72.2			5.925769	
10	1	10	69.7			6.291104	
11	3	10	75.1	1977	1783	6.918463	
12	2	10	99.4	1136		7.752867	
13	3	10	66.5	1497	1017	8.031828	
14	3	10	68.7	1633	1571	8.730358	
15	1	10	98.4			9.388209	
16	2	10	67.2	1658		9.937738	
17	2	10	75.5	1899		10.673942	
18	2	10	78.7	1813		10.911150	
19	2	10	99.3	1213		11.610222	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	57.2			0.940658	1
1	3	6	67.4	1543	1193	2.413776	
2	1	6	58.2			3.639766	
3	3	6	92.6	1843	1112	4.382400	
4	3	6	96.3	1447	1638	5.497483	
5	2	6	75.6	1841		7.135676	
6	3	6	72.4	1307	1942	9.273718	
7	1	6	67.8			10.402399	
8	3	6	58.1	1955	1479	11.195971	

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	12	81.7	1377		0.006946	
1	2	12	54.8	1767		1.019880	
2	2	12	95.7	1822		2.390924	
3	2	12	97.2	1986		2.716127	
4	2	12	95.7	1870		3.896368	
5	2	12	67.3	1745		4.590849	
6	3	12	61.6	1650	1435	5.014617	
7	3	12	84.3	1225	1023	5.989832	1
8	2	12	73.3	1916		6.516716	
9	1	12	68.5			7.960529	
10	3	12	51.5	1169	1652	8.452637	
11	2	12	69.7	1329		9.576443	
12	3	12	58.0	1195	1761	10.345424	
13	3	12	73.3	1848	1886	11.029381	
14	3	12	66.6	1579	1848	11.854810	

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	15	61.5			0.371289	
1	3	15	88.5	1383	1797	1.244084	
2	2	15	97.5	1361		1.809896	
3	2	15	55.3	1441		2.498663	
4	3	15	75.5	1552	1027	2.949396	
5	1	15	54.5			3.908603	
6	1	15	92.2			4.316958	
7	1	15	79.1			4.973250	
8	3	15	81.9	1816	1411	5.685112	
9	2	15	71.2	1386		6.629743	1
10	1	15	86.6			6.714418	
11	2	15	82.8	1774		7.508033	
12	3	15	51.4	1137	1757	8.583548	
13	1	15	79.1			8.970705	
14	2	15	59.6	1866		9.914943	
15	2	15	84.9	1949		10.143599	
16	2	15	55.4	1763		11.317958	
17	3	15	74.2	1853	1256	11.852553	

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	14	96.4	1501	1564	0.124489	1
1	2	14	96.2	1748		1.816003	
2	2	14	73.1	1425		2.955321	
3	1	14	56.6			3.854600	
4	2	14	84.1	1888		5.448149	
5	3	14	70.7	1972	1681	6.327214	
6	2	14	70.5	1088		8.089902	
7	2	14	60.2	1366		8.441802	
8	3	14	54.3	1774	1808	9.642040	
9	2	14	62.4	1786		11.406799	

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	6	50.2	1897	1189	0.541825	1
1	3	6	60.2	1449	1161	2.957431	
2	2	6	76.8	1590		3.860071	
3	3	6	92.6	1891	1734	4.632388	
4	2	6	81.8	1585		6.561281	
5	1	6	73.8			7.613023	
6	3	6	67.2	1452	1350	9.400575	
7	1	6	99.8			10.538474	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	55.7	1056		0.605423	
1	1	7	82.6			0.777119	
2	3	7	90.2	1405	1404	1.569501	
3	2	7	59.4	1890		2.234593	
4	1	7	71.3			3.046103	
5	1	7	86.5			3.730960	
6	3	7	51.8	1962	1488	3.932269	
7	1	7	57.8			4.435608	
8	2	7	61.6	1582		5.236964	
9	1	7	50.7			6.305985	1
10	1	7	97.4			6.373914	
11	2	7	90.7	1538		7.148529	
12	2	7	58.4	1362		7.921955	
13	1	7	90.0			8.212345	
14	2	7	85.5	1602		9.195234	
15	3	7	63.4	1309	1411	9.949105	
16	2	7	90.2	1852		10.177833	
17	3	7	51.9	1903	1119	10.776259	
18	1	7	67.6			11.500141	

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	10	67.9	1259		0.026727	
1	2	10	80.1	1274		1.606746	
2	3	10	98.9	1871	1800	2.289579	
3	2	10	98.1	1536		3.815156	
4	2	10	98.2	1709		4.747222	
5	2	10	79.1	1959		5.325414	
6	3	10	50.5	1161	1197	6.366641	1
7	3	10	75.1	1302	1259	7.527373	
8	3	10	63.6	1936	1201	8.629863	
9	3	10	59.2	1948	1490	9.383859	
10	2	10	59.7	1652		10.468375	
11	1	10	95.7			11.187593	

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	85.0			0.648902	
1	1	7	66.7			1.383976	
2	2	7	80.7	1759		2.599829	
3	3	7	97.8	1268	1539	3.217924	
4	1	7	65.0			4.012842	
5	2	7	99.7	1178		5.100025	
6	2	7	87.7	1824		6.169362	1
7	1	7	80.1			7.375762	
8	3	7	93.2	1676	1887	8.164759	
9	2	7	92.6	1451		8.424500	
10	3	7	52.1	1411	1239	9.433566	
11	1	7	78.7			10.343274	
12	2	7	75.8	1286		11.688073	

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	13	95.0	1836	1898	0.093193	
1	2	13	87.8	1517		0.766061	
2	1	13	63.2			1.445656	
3	1	13	58.5			2.645529	
4	2	13	68.9	1430		2.898380	
5	2	13	59.2	1461		3.661314	
6	3	13	52.3	1939	1687	4.471110	
7	2	13	84.0	1396		5.294002	
8	2	13	54.5	1005		5.704007	
9	2	13	84.4	1769		6.042318	1
10	2	13	80.8	1057		7.324075	
11	2	13	92.3	1449		7.450411	
12	2	13	83.5	1450		8.378657	
13	2	13	94.8	1936		8.982723	
14	2	13	65.3	1207		9.990158	
15	2	13	96.4	1094		10.260915	
16	2	13	74.3	1623		10.963746	
17	1	13	98.9			11.403213	

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	78.6	1912	1841	0.530728	1
1	1	7	57.1			0.986213	
2	1	7	96.8			2.132373	
3	2	7	80.2	1508		2.303699	
4	2	7	62.5	1458		3.166819	
5	3	7	68.1	1527	1916	3.900251	
6	1	7	70.4			4.713810	
7	2	7	77.0	1983		5.399699	
8	2	7	93.2	1421		6.724484	
9	2	7	75.4	1928		7.480972	
10	2	7	85.7	1273		7.843425	
11	2	7	89.8	1824		8.804016	
12	1	7	95.5			9.219087	
13	1	7	56.1			10.366748	
14	2	7	80.3	1052		10.726971	
15	2	7	65.0	1672		11.984675	

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	63.2			0.023409	1
1	2	7	97.9	1560		1.181613	
2	2	7	91.7	1829		2.586666	
3	2	7	50.7	1656		3.468913	
4	2	7	82.3	1317		4.061047	
5	2	7	50.1	1535		4.669303	
6	1	7	85.7			6.181252	
7	1	7	54.7			6.898008	
8	2	7	92.4	1528		7.743392	
9	1	7	98.1			9.124333	
10	2	7	67.6	1226		9.902234	
11	3	7	65.0	1174	1373	10.943749	
12	3	7	84.4	1215	1739	11.292487	

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	20	89.0			0.117959	1
1	3	20	92.1	1148	1197	0.840225	
2	1	20	76.8			1.887083	
3	1	20	61.7			2.533642	
4	2	20	64.0	1701		3.605198	
5	3	20	91.9	1737	1590	3.923085	
6	3	20	52.9	1655	1901	5.029192	
7	1	20	63.9			5.690849	
8	1	20	64.7			6.466309	
9	3	20	64.0	1101	1364	6.870076	
10	1	20	76.1			7.545125	
11	2	20	92.7	1196		8.936780	
12	1	20	67.4			9.017272	
13	2	20	71.5	1920		9.951926	
14	2	20	52.4	1797		11.125006	
15	3	20	93.5	1679	1560	11.496316	

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	8	98.9	1524	1078	0.467598	1
1	2	8	62.2	1018		1.444326	
2	1	8	55.1			2.218235	
3	2	8	65.0	1203		2.433316	
4	1	8	91.6			3.707432	
5	3	8	65.9	1779	1863	4.683521	
6	3	8	93.8	1863	1233	4.899079	
7	2	8	86.8	1326		5.722998	
8	3	8	63.8	1541	1533	7.083266	
9	2	8	64.3	1371		7.504676	
10	2	8	79.0	1091		8.551288	
11	3	8	62.1	1384	1740	9.449816	
12	2	8	77.5	1481		10.162142	
13	3	8	66.7	1547	1343	10.664293	
14	1	8	88.3			11.554093	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	52.0			0.314076	1
1	3	15	90.2	1471	1901	0.857153	
2	2	15	50.8	1592		1.511233	
3	2	15	83.3	1347		1.995013	
4	1	15	98.9			2.485119	
5	2	15	55.8	1733		3.498458	
6	1	15	67.7			3.922404	
7	1	15	81.2			4.454407	
8	2	15	65.7	1748		5.328782	
9	2	15	52.2	1834		5.896796	
10	2	15	51.2	1138		6.198606	
11	2	15	78.8	1283		6.638090	
12	2	15	85.4	1330		7.310213	
13	2	15	58.4	1865		8.015101	
14	3	15	84.6	1080	1788	8.476010	
15	2	15	76.3	1905		9.548394	
16	1	15	66.1			9.600399	
17	2	15	66.1	1809		10.741259	
18	2	15	91.5	1439		11.112203	
19	3	15	90.3	1827	1950	11.519173	

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	94.5	1864		0.229792	1
1	1	12	54.6			1.743807	
2	3	12	96.0	1187	1990	3.093145	
3	2	12	52.0	1056		3.425134	
4	2	12	53.0	1774		5.362376	
5	2	12	76.8	1130		6.410998	
6	2	12	90.4	1416		6.906197	
7	2	12	73.2	1098		7.930791	
8	2	12	98.3	1395		9.707159	
9	2	12	66.9	1805		10.523218	
10	3	12	91.3	1613	1518	11.215455	

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	19	97.6	1901		0.922103	
1	3	19	95.2	1385	1190	2.167721	
2	1	19	68.9			2.241765	
3	2	19	98.6	1841		3.789840	
4	2	19	96.7	1132		4.379132	
5	2	19	66.3	1638		5.756956	1
6	2	19	94.0	1529		7.358649	
7	3	19	55.8	1153	1803	7.784619	
8	3	19	60.1	1515	1839	9.582533	
9	3	19	66.5	1906	1751	10.546786	
10	3	19	94.9	1355	1305	11.744021	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	76.9			0.230371	
1	2	10	91.7	1425		1.860583	
2	1	10	58.7			2.964322	
3	3	10	53.6	1947	1536	3.771033	
4	2	10	92.8	1697		4.989831	
5	1	10	82.5			6.989956	1
6	1	10	69.5			7.605535	
7	2	10	87.5	1201		8.785308	
8	2	10	92.7	1870		10.741638	
9	2	10	59.9	1196		11.952436	

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	5413.0, 5317.0, 5609.0, 5468.0, 5500.0, 5360.0, 5591.0, 5612.0, 5604.0, 5340.0, 5714.0, 5694.0, 5493.0, 5716.0, 5486.0, 5480.0, 5444.0, 5552.0, 5510.0, 5278.0, 5272.0, 5636.0, 5395.0, 5622.0, 5650.0, 5717.0, 5695.0, 5398.0, 5409.0, 5647.0, 5316.0, 5297.0, 5542.0, 5342.0, 5481.0, 5331.0, 5379.0, 5508.0, 5438.0, 5626.0, 5456.0, 5387.0, 5294.0, 5666.0, 5473.0, 5461.0, 5442.0, 5585.0, 5533.0, 5420.0, 5321.0, 5582.0, 5683.0, 5668.0, 5713.0, 5368.0, 5562.0, 5477.0, 5631.0, 5674.0, 5482.0, 5404.0, 5439.0, 5285.0, 5467.0, 5305.0, 5635.0, 5307.0, 5406.0, 5380.0, 5513.0, 5324.0, 5338.0, 5466.0, 5489.0, 5589.0, 5386.0, 5284.0, 5428.0, 5353.0, 5682.0, 5531.0, 5689.0, 5434.0, 5503.0, 5315.0, 5711.0, 5400.0, 5292.0, 5495.0, 5435.0, 5463.0, 5330.0, 5393.0, 5412.0, 5657.0, 5681.0, 5370.0, 5479.0, 5654.0 (number of hits: 12)
2	5530.0	9	1.0	333	1	5447.0, 5359.0, 5314.0, 5474.0, 5598.0, 5321.0, 5586.0, 5454.0, 5426.0, 5621.0, 5369.0, 5349.0, 5267.0, 5462.0, 5297.0, 5692.0, 5324.0, 5340.0, 5685.0, 5689.0, 5432.0, 5455.0, 5632.0, 5645.0, 5463.0, 5659.0, 5448.0, 5711.0, 5650.0, 5683.0, 5388.0, 5333.0, 5308.0, 5430.0, 5358.0, 5493.0, 5600.0, 5346.0, 5712.0, 5312.0, 5582.0, 5254.0, 5408.0, 5365.0, 5266.0, 5427.0, 5700.0, 5466.0, 5556.0, 5338.0, 5547.0, 5378.0, 5654.0, 5508.0, 5397.0, 5534.0, 5656.0, 5539.0, 5631.0, 5412.0, 5573.0, 5423.0, 5551.0, 5424.0, 5557.0, 5418.0, 5377.0, 5425.0, 5344.0, 5391.0, 5543.0, 5257.0, 5306.0, 5697.0, 5501.0, 5504.0, 5627.0, 5517.0, 5651.0, 5609.0, 5260.0, 5619.0, 5611.0, 5315.0, 5548.0, 5625.0, 5610.0, 5546.0, 5386.0, 5444.0, 5717.0, 5531.0, 5662.0, 5549.0, 5554.0, 5593.0, 5591.0, 5682.0, 5724.0, 5275.0 (number of hits: 17)
3	5530.0	9	1.0	333	1	5298.0, 5669.0, 5347.0, 5715.0, 5417.0, 5689.0, 5405.0, 5502.0, 5255.0, 5416.0, 5640.0, 5403.0, 5495.0, 5471.0, 5574.0, 5353.0, 5542.0, 5620.0, 5308.0, 5625.0, 5695.0, 5612.0, 5523.0, 5634.0, 5655.0, 5314.0, 5544.0, 5454.0, 5261.0, 5710.0, 5581.0, 5327.0, 5554.0, 5321.0, 5510.0, 5565.0, 5658.0, 5463.0, 5336.0, 5602.0, 5716.0, 5433.0, 5516.0, 5489.0, 5292.0, 5648.0, 5397.0, 5698.0, 5460.0, 5656.0, 5419.0, 5515.0, 5675.0, 5399.0, 5617.0, 5670.0, 5665.0, 5545.0, 5412.0, 5614.0, 5501.0, 5414.0, 5717.0, 5473.0, 5490.0, 5256.0, 5622.0, 5681.0, 5465.0, 5462.0, 5288.0, 5691.0, 5571.0, 5426.0, 5615.0, 5362.0, 5637.0, 5623.0, 5552.0, 5647.0, 5317.0, 5507.0, 5517.0, 5713.0, 5718.0, 5536.0, 5407.0, 5592.0, 5361.0, 5318.0, 5537.0, 5368.0, 5487.0, 5596.0, 5703.0, 5329.0, 5335.0, 5469.0, 5688.0, 5376.0 (number of hits: 17)
4	5530.0	9	1.0	333	1	5463.0, 5512.0, 5460.0, 5304.0, 5641.0, 5538.0, 5414.0, 5270.0, 5275.0, 5699.0, 5617.0, 5497.0, 5296.0, 5375.0, 5384.0, 5293.0, 5280.0, 5342.0, 5409.0, 5638.0, 5347.0, 5572.0, 5341.0, 5586.0, 5254.0, 5369.0, 5482.0, 5700.0, 5398.0, 5450.0, 5339.0, 5394.0, 5555.0, 5467.0, 5434.0, 5531.0, 5532.0, 5490.0, 5689.0, 5601.0, 5351.0, 5274.0, 5695.0, 5374.0, 5535.0, 5352.0, 5290.0, 5385.0, 5419.0, 5441.0, 5440.0, 5511.0, 5310.0, 5525.0, 5589.0, 5417.0, 5357.0, 5309.0, 5544.0, 5628.0, 5646.0, 5554.0, 5428.0, 5327.0, 5459.0, 5553.0, 5383.0, 5588.0, 5647.0, 5579.0,

						5260.0, 5320.0, 5455.0, 5307.0, 5464.0, 5530.0, 5390.0, 5613.0, 5573.0, 5271.0, 5295.0, 5644.0, 5421.0, 5595.0, 5388.0, 5462.0, 5487.0, 5257.0, 5723.0, 5335.0, 5313.0, 5362.0, 5626.0, 5361.0, 5598.0, 5632.0, 5683.0, 5376.0, 5702.0, 5491.0 (number of hits: 13)
5	5530.0	9	1.0	333	1	5404.0, 5348.0, 5722.0, 5274.0, 5565.0, 5685.0, 5701.0, 5693.0, 5439.0, 5566.0, 5295.0, 5591.0, 5510.0, 5622.0, 5641.0, 5698.0, 5550.0, 5258.0, 5515.0, 5703.0, 5615.0, 5293.0, 5607.0, 5256.0, 5428.0, 5711.0, 5549.0, 5661.0, 5667.0, 5542.0, 5556.0, 5606.0, 5502.0, 5719.0, 5400.0, 5300.0, 5461.0, 5443.0, 5263.0, 5644.0, 5419.0, 5696.0, 5456.0, 5345.0, 5552.0, 5446.0, 5531.0, 5399.0, 5486.0, 5700.0, 5331.0, 5645.0, 5539.0, 5356.0, 5378.0, 5646.0, 5704.0, 5508.0, 5570.0, 5480.0, 5544.0, 5678.0, 5639.0, 5260.0, 5533.0, 5273.0, 5360.0, 5715.0, 5553.0, 5708.0, 5306.0, 5444.0, 5522.0, 5315.0, 5484.0, 5470.0, 5325.0, 5497.0, 5548.0, 5445.0, 5493.0, 5379.0, 5327.0, 5395.0, 5275.0, 5529.0, 5422.0, 5705.0, 5475.0, 5374.0, 5351.0, 5442.0, 5309.0, 5487.0, 5525.0, 5286.0, 5562.0, 5432.0, 5457.0, 5590.0 (number of hits: 23)
6	5530.0	9	1.0	333	1	5282.0, 5437.0, 5565.0, 5650.0, 5372.0, 5638.0, 5261.0, 5645.0, 5295.0, 5278.0, 5415.0, 5391.0, 5541.0, 5644.0, 5388.0, 5478.0, 5490.0, 5398.0, 5711.0, 5316.0, 5366.0, 5315.0, 5496.0, 5614.0, 5462.0, 5617.0, 5518.0, 5492.0, 5275.0, 5290.0, 5536.0, 5369.0, 5485.0, 5629.0, 5406.0, 5543.0, 5596.0, 5283.0, 5489.0, 5613.0, 5254.0, 5359.0, 5577.0, 5380.0, 5623.0, 5631.0, 5403.0, 5323.0, 5648.0, 5575.0, 5386.0, 5340.0, 5376.0, 5401.0, 5706.0, 5582.0, 5698.0, 5357.0, 5418.0, 5574.0, 5267.0, 5721.0, 5646.0, 5567.0, 5332.0, 5274.0, 5584.0, 5347.0, 5722.0, 5621.0, 5433.0, 5699.0, 5467.0, 5319.0, 5469.0, 5532.0, 5526.0, 5568.0, 5477.0, 5677.0, 5343.0, 5301.0, 5424.0, 5653.0, 5382.0, 5285.0, 5330.0, 5452.0, 5540.0, 5662.0, 5337.0, 5507.0, 5289.0, 5307.0, 5723.0, 5512.0, 5397.0, 5678.0, 5664.0, 5610.0 (number of hits: 13)
7	5530.0	9	1.0	333	1	5429.0, 5703.0, 5579.0, 5661.0, 5554.0, 5468.0, 5717.0, 5531.0, 5652.0, 5558.0, 5591.0, 5340.0, 5360.0, 5662.0, 5295.0, 5256.0, 5521.0, 5300.0, 5575.0, 5583.0, 5586.0, 5595.0, 5258.0, 5522.0, 5297.0, 5262.0, 5534.0, 5456.0, 5399.0, 5433.0, 5497.0, 5599.0, 5405.0, 5409.0, 5383.0, 5684.0, 5604.0, 5539.0, 5319.0, 5520.0, 5506.0, 5641.0, 5646.0, 5563.0, 5379.0, 5633.0, 5430.0, 5690.0, 5304.0, 5350.0, 5564.0, 5438.0, 5431.0, 5290.0, 5275.0, 5620.0, 5549.0, 5676.0, 5450.0, 5363.0, 5279.0, 5342.0, 5565.0, 5469.0, 5611.0, 5352.0, 5470.0, 5408.0, 5374.0, 5387.0, 5271.0, 5702.0, 5688.0, 5679.0, 5392.0, 5582.0, 5325.0, 5573.0, 5415.0, 5623.0, 5486.0, 5375.0, 5710.0, 5322.0, 5512.0, 5385.0, 5326.0, 5349.0, 5305.0, 5339.0, 5255.0, 5659.0, 5510.0, 5571.0, 5589.0, 5316.0, 5704.0, 5439.0, 5384.0, 5334.0 (number of hits: 16)
8	5530.0	9	1.0	333	1	5506.0, 5412.0, 5385.0, 5615.0, 5375.0, 5422.0, 5365.0, 5539.0, 5488.0, 5552.0, 5600.0, 5713.0, 5511.0, 5460.0, 5569.0, 5373.0, 5620.0, 5339.0, 5384.0, 5601.0, 5622.0, 5508.0, 5269.0, 5538.0, 5517.0, 5424.0, 5589.0, 5451.0, 5447.0, 5608.0, 5503.0, 5417.0, 5409.0, 5437.0, 5720.0, 5469.0, 5361.0, 5313.0, 5526.0, 5303.0, 5261.0, 5295.0, 5493.0, 5637.0, 5529.0, 5330.0, 5721.0, 5319.0, 5692.0, 5551.0, 5476.0, 5708.0, 5380.0, 5533.0, 5332.0, 5270.0, 5251.0, 5350.0, 5296.0, 5669.0, 5521.0, 5494.0, 5411.0, 5690.0, 5307.0, 5448.0, 5428.0, 5415.0, 5656.0, 5316.0, 5377.0, 5599.0, 5649.0, 5634.0, 5255.0, 5638.0, 5285.0,

						5311.0, 5683.0, 5652.0, 5477.0, 5301.0, 5445.0, 5653.0, 5371.0, 5276.0, 5592.0, 5557.0, 5419.0, 5338.0, 5438.0, 5435.0, 5308.0, 5439.0, 5543.0, 5684.0, 5267.0, 5632.0, 5553.0, 5588.0 (number of hits: 18)
9	5530.0	9	1.0	333	1	5698.0, 5465.0, 5610.0, 5269.0, 5524.0, 5706.0, 5408.0, 5384.0, 5425.0, 5601.0, 5577.0, 5427.0, 5678.0, 5599.0, 5536.0, 5360.0, 5270.0, 5251.0, 5712.0, 5439.0, 5287.0, 5271.0, 5707.0, 5616.0, 5466.0, 5544.0, 5333.0, 5582.0, 5396.0, 5480.0, 5631.0, 5306.0, 5654.0, 5258.0, 5603.0, 5641.0, 5634.0, 5481.0, 5556.0, 5703.0, 5304.0, 5520.0, 5576.0, 5365.0, 5591.0, 5496.0, 5275.0, 5633.0, 5623.0, 5677.0, 5567.0, 5323.0, 5281.0, 5390.0, 5362.0, 5372.0, 5468.0, 5519.0, 5545.0, 5461.0, 5414.0, 5537.0, 5348.0, 5449.0, 5363.0, 5321.0, 5720.0, 5311.0, 5346.0, 5653.0, 5652.0, 5328.0, 5426.0, 5580.0, 5538.0, 5600.0, 5469.0, 5382.0, 5268.0, 5274.0, 5669.0, 5272.0, 5349.0, 5343.0, 5353.0, 5316.0, 5553.0, 5583.0, 5559.0, 5627.0, 5278.0, 5443.0, 5307.0, 5646.0, 5575.0, 5635.0, 5592.0, 5719.0, 5318.0, 5670.0 (number of hits: 13)
10	5530.0	9	1.0	333	1	5575.0, 5259.0, 5618.0, 5296.0, 5622.0, 5584.0, 5394.0, 5674.0, 5457.0, 5330.0, 5432.0, 5283.0, 5290.0, 5501.0, 5656.0, 5252.0, 5701.0, 5436.0, 5395.0, 5636.0, 5287.0, 5650.0, 5482.0, 5597.0, 5473.0, 5705.0, 5703.0, 5537.0, 5279.0, 5607.0, 5671.0, 5431.0, 5692.0, 5372.0, 5307.0, 5417.0, 5595.0, 5639.0, 5586.0, 5301.0, 5694.0, 5502.0, 5529.0, 5448.0, 5670.0, 5421.0, 5708.0, 5546.0, 5316.0, 5308.0, 5378.0, 5673.0, 5439.0, 5312.0, 5577.0, 5554.0, 5681.0, 5611.0, 5327.0, 5666.0, 5481.0, 5486.0, 5617.0, 5382.0, 5533.0, 5383.0, 5541.0, 5587.0, 5505.0, 5466.0, 5642.0, 5545.0, 5280.0, 5369.0, 5352.0, 5447.0, 5515.0, 5583.0, 5286.0, 5386.0, 5625.0, 5578.0, 5680.0, 5399.0, 5315.0, 5718.0, 5610.0, 5492.0, 5313.0, 5547.0, 5498.0, 5304.0, 5594.0, 5256.0, 5643.0, 5267.0, 5634.0, 5699.0, 5377.0, 5454.0 (number of hits: 14)
11	5530.0	9	1.0	333	1	5337.0, 5632.0, 5705.0, 5424.0, 5271.0, 5695.0, 5358.0, 5482.0, 5602.0, 5547.0, 5664.0, 5276.0, 5542.0, 5331.0, 5525.0, 5377.0, 5272.0, 5451.0, 5576.0, 5708.0, 5466.0, 5638.0, 5365.0, 5397.0, 5404.0, 5455.0, 5548.0, 5415.0, 5273.0, 5322.0, 5269.0, 5494.0, 5546.0, 5315.0, 5656.0, 5619.0, 5408.0, 5650.0, 5346.0, 5278.0, 5585.0, 5381.0, 5581.0, 5341.0, 5539.0, 5414.0, 5611.0, 5597.0, 5361.0, 5675.0, 5500.0, 5512.0, 5628.0, 5436.0, 5296.0, 5388.0, 5524.0, 5489.0, 5362.0, 5534.0, 5662.0, 5551.0, 5636.0, 5359.0, 5503.0, 5461.0, 5486.0, 5407.0, 5660.0, 5464.0, 5646.0, 5683.0, 5718.0, 5668.0, 5609.0, 5593.0, 5715.0, 5711.0, 5627.0, 5600.0, 5629.0, 5515.0, 5321.0, 5722.0, 5439.0, 5514.0, 5459.0, 5468.0, 5577.0, 5282.0, 5263.0, 5522.0, 5383.0, 5324.0, 5456.0, 5297.0, 5349.0, 5618.0, 5530.0, 5608.0 (number of hits: 17)
12	5530.0	9	1.0	333	1	5528.0, 5386.0, 5540.0, 5635.0, 5524.0, 5507.0, 5440.0, 5423.0, 5364.0, 5687.0, 5267.0, 5662.0, 5660.0, 5400.0, 5414.0, 5463.0, 5331.0, 5406.0, 5356.0, 5347.0, 5557.0, 5628.0, 5511.0, 5672.0, 5428.0, 5685.0, 5429.0, 5310.0, 5416.0, 5323.0, 5489.0, 5461.0, 5391.0, 5480.0, 5515.0, 5424.0, 5680.0, 5584.0, 5396.0, 5627.0, 5544.0, 5532.0, 5426.0, 5328.0, 5284.0, 5444.0, 5715.0, 5449.0, 5380.0, 5434.0, 5361.0, 5340.0, 5601.0, 5473.0, 5700.0, 5314.0, 5431.0, 5570.0, 5297.0, 5335.0, 5523.0, 5342.0, 5490.0, 5565.0, 5602.0, 5460.0, 5399.0, 5447.0, 5387.0, 5392.0, 5421.0, 5259.0, 5395.0, 5620.0, 5500.0, 5456.0, 5492.0, 5549.0, 5283.0, 5600.0, 5671.0, 5714.0, 5705.0, 5556.0,

						5486.0, 5691.0, 5415.0, 5260.0, 5625.0, 5667.0, 5266.0, 5646.0, 5278.0, 5358.0, 5394.0, 5403.0, 5684.0, 5574.0, 5303.0, 5527.0 (number of hits: 16)
13	5530.0	9	1.0	333	1	5384.0, 5324.0, 5720.0, 5344.0, 5436.0, 5623.0, 5517.0, 5525.0, 5551.0, 5472.0, 5710.0, 5477.0, 5540.0, 5638.0, 5333.0, 5548.0, 5462.0, 5585.0, 5601.0, 5250.0, 5653.0, 5533.0, 5565.0, 5606.0, 5283.0, 5375.0, 5465.0, 5296.0, 5307.0, 5415.0, 5652.0, 5254.0, 5297.0, 5694.0, 5699.0, 5518.0, 5593.0, 5362.0, 5441.0, 5538.0, 5294.0, 5413.0, 5469.0, 5584.0, 5717.0, 5401.0, 5451.0, 5253.0, 5323.0, 5562.0, 5590.0, 5394.0, 5355.0, 5582.0, 5416.0, 5574.0, 5293.0, 5281.0, 5463.0, 5337.0, 5566.0, 5631.0, 5262.0, 5481.0, 5404.0, 5348.0, 5670.0, 5496.0, 5615.0, 5321.0, 5600.0, 5449.0, 5719.0, 5388.0, 5673.0, 5528.0, 5506.0, 5340.0, 5537.0, 5286.0, 5594.0, 5571.0, 5625.0, 5428.0, 5284.0, 5295.0, 5389.0, 5360.0, 5495.0, 5637.0, 5370.0, 5532.0, 5563.0, 5331.0, 5406.0, 5575.0, 5698.0, 5258.0, 5390.0, 5454.0 (number of hits: 18)
14	5530.0	9	1.0	333	1	5393.0, 5524.0, 5261.0, 5584.0, 5486.0, 5370.0, 5507.0, 5667.0, 5594.0, 5585.0, 5399.0, 5598.0, 5571.0, 5531.0, 5264.0, 5354.0, 5685.0, 5562.0, 5362.0, 5520.0, 5462.0, 5329.0, 5495.0, 5509.0, 5304.0, 5666.0, 5355.0, 5551.0, 5427.0, 5647.0, 5335.0, 5661.0, 5325.0, 5323.0, 5365.0, 5428.0, 5446.0, 5553.0, 5561.0, 5581.0, 5383.0, 5378.0, 5677.0, 5635.0, 5665.0, 5435.0, 5668.0, 5557.0, 5634.0, 5371.0, 5723.0, 5404.0, 5539.0, 5627.0, 5700.0, 5607.0, 5633.0, 5554.0, 5706.0, 5456.0, 5429.0, 5402.0, 5513.0, 5340.0, 5555.0, 5595.0, 5605.0, 5582.0, 5699.0, 5683.0, 5589.0, 5432.0, 5255.0, 5318.0, 5545.0, 5454.0, 5655.0, 5645.0, 5576.0, 5528.0, 5556.0, 5619.0, 5695.0, 5390.0, 5360.0, 5413.0, 5519.0, 5604.0, 5282.0, 5703.0, 5259.0, 5326.0, 5503.0, 5289.0, 5506.0, 5543.0, 5457.0, 5395.0, 5648.0, 5602.0 (number of hits: 22)
15	5530.0	9	1.0	333	1	5652.0, 5603.0, 5285.0, 5540.0, 5537.0, 5718.0, 5295.0, 5397.0, 5416.0, 5330.0, 5261.0, 5500.0, 5489.0, 5526.0, 5425.0, 5691.0, 5258.0, 5657.0, 5683.0, 5673.0, 5478.0, 5424.0, 5314.0, 5298.0, 5463.0, 5597.0, 5688.0, 5266.0, 5530.0, 5310.0, 5641.0, 5576.0, 5349.0, 5466.0, 5301.0, 5438.0, 5495.0, 5713.0, 5700.0, 5430.0, 5677.0, 5671.0, 5607.0, 5448.0, 5355.0, 5306.0, 5269.0, 5353.0, 5439.0, 5612.0, 5394.0, 5286.0, 5358.0, 5279.0, 5660.0, 5483.0, 5333.0, 5321.0, 5315.0, 5621.0, 5622.0, 5692.0, 5565.0, 5560.0, 5522.0, 5552.0, 5453.0, 5618.0, 5601.0, 5630.0, 5462.0, 5613.0, 5573.0, 5680.0, 5364.0, 5662.0, 5471.0, 5517.0, 5304.0, 5406.0, 5547.0, 5277.0, 5434.0, 5452.0, 5602.0, 5599.0, 5373.0, 5707.0, 5399.0, 5461.0, 5585.0, 5545.0, 5664.0, 5413.0, 5481.0, 5305.0, 5400.0, 5284.0, 5539.0, 5296.0 (number of hits: 14)
16	5530.0	9	1.0	333	1	5621.0, 5489.0, 5718.0, 5662.0, 5253.0, 5263.0, 5674.0, 5349.0, 5509.0, 5447.0, 5635.0, 5264.0, 5634.0, 5468.0, 5422.0, 5441.0, 5384.0, 5620.0, 5672.0, 5364.0, 5708.0, 5619.0, 5251.0, 5507.0, 5454.0, 5481.0, 5385.0, 5515.0, 5566.0, 5649.0, 5375.0, 5523.0, 5601.0, 5643.0, 5401.0, 5339.0, 5569.0, 5269.0, 5471.0, 5322.0, 5665.0, 5707.0, 5394.0, 5420.0, 5300.0, 5485.0, 5308.0, 5586.0, 5532.0, 5407.0, 5306.0, 5431.0, 5328.0, 5503.0, 5417.0, 5491.0, 5444.0, 5500.0, 5426.0, 5274.0, 5397.0, 5400.0, 5413.0, 5338.0, 5525.0, 5700.0, 5475.0, 5435.0, 5676.0, 5498.0, 5479.0, 5433.0, 5526.0, 5690.0, 5687.0, 5589.0, 5519.0, 5592.0, 5290.0, 5408.0, 5282.0, 5341.0, 5625.0, 5438.0, 5520.0, 5671.0, 5311.0, 5682.0, 5513.0, 5666.0, 5506.0,

						5715.0, 5505.0, 5517.0, 5524.0, 5565.0, 5599.0, 5641.0, 5345.0, 5720.0 (number of hits: 19)
17	5530.0	9	1.0	333	1	5720.0, 5709.0, 5415.0, 5635.0, 5387.0, 5466.0, 5369.0, 5514.0, 5397.0, 5309.0, 5424.0, 5547.0, 5469.0, 5647.0, 5448.0, 5495.0, 5386.0, 5358.0, 5281.0, 5583.0, 5447.0, 5558.0, 5352.0, 5540.0, 5570.0, 5346.0, 5636.0, 5363.0, 5262.0, 5288.0, 5467.0, 5592.0, 5548.0, 5526.0, 5723.0, 5451.0, 5506.0, 5550.0, 5343.0, 5350.0, 5291.0, 5445.0, 5564.0, 5678.0, 5682.0, 5605.0, 5565.0, 5716.0, 5356.0, 5312.0, 5338.0, 5511.0, 5303.0, 5360.0, 5703.0, 5322.0, 5354.0, 5637.0, 5327.0, 5608.0, 5552.0, 5516.0, 5662.0, 5375.0, 5380.0, 5574.0, 5256.0, 5349.0, 5671.0, 5563.0, 5334.0, 5648.0, 5421.0, 5404.0, 5634.0, 5621.0, 5265.0, 5595.0, 5674.0, 5560.0, 5569.0, 5554.0, 5640.0, 5365.0, 5414.0, 5371.0, 5412.0, 5536.0, 5542.0, 5257.0, 5401.0, 5707.0, 5430.0, 5444.0, 5527.0, 5607.0, 5416.0, 5591.0, 5426.0, 5704.0 (number of hits: 20)
18	5530.0	9	1.0	333	1	5437.0, 5441.0, 5570.0, 5722.0, 5270.0, 5696.0, 5719.0, 5496.0, 5302.0, 5473.0, 5398.0, 5537.0, 5375.0, 5361.0, 5461.0, 5457.0, 5301.0, 5345.0, 5596.0, 5712.0, 5615.0, 5283.0, 5528.0, 5453.0, 5678.0, 5566.0, 5504.0, 5322.0, 5291.0, 5287.0, 5677.0, 5599.0, 5391.0, 5372.0, 5697.0, 5253.0, 5688.0, 5720.0, 5416.0, 5445.0, 5620.0, 5594.0, 5653.0, 5323.0, 5394.0, 5552.0, 5685.0, 5288.0, 5572.0, 5660.0, 5250.0, 5586.0, 5426.0, 5483.0, 5452.0, 5617.0, 5652.0, 5636.0, 5676.0, 5633.0, 5567.0, 5389.0, 5702.0, 5326.0, 5650.0, 5543.0, 5273.0, 5608.0, 5369.0, 5521.0, 5395.0, 5383.0, 5252.0, 5662.0, 5669.0, 5551.0, 5296.0, 5321.0, 5612.0, 5597.0, 5368.0, 5705.0, 5329.0, 5480.0, 5641.0, 5471.0, 5717.0, 5635.0, 5520.0, 5602.0, 5289.0, 5519.0, 5534.0, 5392.0, 5704.0, 5292.0, 5254.0, 5659.0, 5629.0, 5506.0 (number of hits: 14)
19	5530.0	9	1.0	333	1	5390.0, 5569.0, 5529.0, 5642.0, 5482.0, 5610.0, 5507.0, 5276.0, 5252.0, 5640.0, 5601.0, 5452.0, 5404.0, 5576.0, 5371.0, 5480.0, 5369.0, 5453.0, 5700.0, 5566.0, 5534.0, 5562.0, 5488.0, 5302.0, 5392.0, 5399.0, 5435.0, 5456.0, 5278.0, 5445.0, 5519.0, 5361.0, 5275.0, 5346.0, 5602.0, 5720.0, 5630.0, 5492.0, 5394.0, 5709.0, 5537.0, 5505.0, 5715.0, 5706.0, 5704.0, 5516.0, 5636.0, 5669.0, 5462.0, 5547.0, 5663.0, 5469.0, 5449.0, 5425.0, 5667.0, 5511.0, 5359.0, 5409.0, 5495.0, 5668.0, 5434.0, 5578.0, 5332.0, 5524.0, 5382.0, 5521.0, 5549.0, 5540.0, 5429.0, 5535.0, 5322.0, 5683.0, 5570.0, 5687.0, 5402.0, 5289.0, 5644.0, 5608.0, 5703.0, 5426.0, 5421.0, 5606.0, 5585.0, 5475.0, 5694.0, 5393.0, 5287.0, 5628.0, 5432.0, 5724.0, 5267.0, 5485.0, 5695.0, 5300.0, 5292.0, 5634.0, 5313.0, 5422.0, 5656.0, 5274.0 (number of hits: 18)
20	5530.0	9	1.0	333	1	5330.0, 5287.0, 5256.0, 5694.0, 5498.0, 5364.0, 5572.0, 5672.0, 5433.0, 5556.0, 5421.0, 5507.0, 5547.0, 5452.0, 5267.0, 5312.0, 5656.0, 5269.0, 5518.0, 5559.0, 5505.0, 5381.0, 5609.0, 5682.0, 5677.0, 5503.0, 5283.0, 5489.0, 5714.0, 5469.0, 5551.0, 5544.0, 5601.0, 5396.0, 5376.0, 5639.0, 5272.0, 5571.0, 5365.0, 5646.0, 5296.0, 5563.0, 5414.0, 5295.0, 5297.0, 5711.0, 5445.0, 5493.0, 5531.0, 5385.0, 5345.0, 5317.0, 5712.0, 5724.0, 5578.0, 5409.0, 5451.0, 5713.0, 5257.0, 5607.0, 5400.0, 5298.0, 5252.0, 5435.0, 5397.0, 5657.0, 5668.0, 5565.0, 5318.0, 5384.0, 5648.0, 5539.0, 5626.0, 5479.0, 5528.0, 5653.0, 5660.0, 5651.0, 5616.0, 5276.0, 5301.0, 5698.0, 5327.0, 5555.0, 5338.0, 5367.0, 5465.0, 5665.0, 5279.0, 5557.0, 5613.0, 5478.0, 5391.0, 5403.0, 5717.0, 5569.0, 5638.0, 5337.0,

						5251.0, 5369.0 (number of hits: 18)
21	5530.0	9	1.0	333	1	5634.0, 5647.0, 5653.0, 5669.0, 5399.0, 5470.0, 5639.0, 5439.0, 5325.0, 5579.0, 5605.0, 5283.0, 5596.0, 5258.0, 5440.0, 5430.0, 5484.0, 5597.0, 5581.0, 5672.0, 5692.0, 5658.0, 5341.0, 5392.0, 5553.0, 5684.0, 5588.0, 5515.0, 5523.0, 5324.0, 5706.0, 5607.0, 5432.0, 5420.0, 5415.0, 5683.0, 5305.0, 5264.0, 5509.0, 5287.0, 5284.0, 5497.0, 5339.0, 5480.0, 5312.0, 5676.0, 5499.0, 5722.0, 5340.0, 5694.0, 5582.0, 5344.0, 5359.0, 5279.0, 5444.0, 5391.0, 5668.0, 5584.0, 5481.0, 5510.0, 5347.0, 5705.0, 5477.0, 5388.0, 5518.0, 5431.0, 5566.0, 5663.0, 5700.0, 5671.0, 5254.0, 5418.0, 5618.0, 5260.0, 5460.0, 5398.0, 5453.0, 5282.0, 5467.0, 5681.0, 5298.0, 5686.0, 5696.0, 5386.0, 5551.0, 5678.0, 5458.0, 5527.0, 5615.0, 5310.0, 5568.0, 5617.0, 5405.0, 5556.0, 5608.0, 5462.0, 5267.0, 5487.0, 5521.0, 5563.0 (number of hits: 14)
22	5530.0	9	1.0	333	1	5300.0, 5407.0, 5557.0, 5374.0, 5346.0, 5613.0, 5447.0, 5579.0, 5329.0, 5401.0, 5492.0, 5279.0, 5323.0, 5597.0, 5332.0, 5603.0, 5408.0, 5653.0, 5305.0, 5266.0, 5392.0, 5544.0, 5330.0, 5599.0, 5633.0, 5616.0, 5358.0, 5505.0, 5698.0, 5685.0, 5509.0, 5261.0, 5648.0, 5307.0, 5345.0, 5357.0, 5386.0, 5400.0, 5423.0, 5500.0, 5303.0, 5704.0, 5553.0, 5316.0, 5649.0, 5301.0, 5515.0, 5496.0, 5294.0, 5537.0, 5701.0, 5413.0, 5593.0, 5563.0, 5542.0, 5659.0, 5612.0, 5376.0, 5652.0, 5463.0, 5350.0, 5253.0, 5572.0, 5453.0, 5430.0, 5359.0, 5594.0, 5700.0, 5417.0, 5554.0, 5263.0, 5498.0, 5565.0, 5383.0, 5325.0, 5684.0, 5317.0, 5548.0, 5277.0, 5589.0, 5614.0, 5591.0, 5571.0, 5520.0, 5468.0, 5339.0, 5639.0, 5573.0, 5535.0, 5532.0, 5609.0, 5575.0, 5519.0, 5361.0, 5672.0, 5527.0, 5522.0, 5343.0, 5635.0, 5385.0 (number of hits: 22)
23	5530.0	9	1.0	333	1	5269.0, 5374.0, 5444.0, 5716.0, 5438.0, 5353.0, 5620.0, 5436.0, 5325.0, 5642.0, 5492.0, 5501.0, 5461.0, 5596.0, 5702.0, 5608.0, 5323.0, 5291.0, 5451.0, 5259.0, 5551.0, 5431.0, 5484.0, 5565.0, 5580.0, 5442.0, 5478.0, 5499.0, 5690.0, 5280.0, 5275.0, 5584.0, 5286.0, 5571.0, 5698.0, 5516.0, 5289.0, 5675.0, 5392.0, 5568.0, 5406.0, 5385.0, 5428.0, 5271.0, 5358.0, 5648.0, 5493.0, 5270.0, 5424.0, 5266.0, 5491.0, 5352.0, 5482.0, 5524.0, 5257.0, 5566.0, 5419.0, 5348.0, 5361.0, 5508.0, 5529.0, 5635.0, 5464.0, 5579.0, 5671.0, 5382.0, 5559.0, 5510.0, 5252.0, 5542.0, 5341.0, 5324.0, 5520.0, 5525.0, 5481.0, 5445.0, 5560.0, 5281.0, 5645.0, 5396.0, 5483.0, 5293.0, 5683.0, 5668.0, 5709.0, 5317.0, 5582.0, 5563.0, 5379.0, 5607.0, 5268.0, 5443.0, 5674.0, 5357.0, 5403.0, 5506.0, 5646.0, 5290.0, 5294.0, 5327.0 (number of hits: 19)
24	5530.0	9	1.0	333	1	5367.0, 5350.0, 5410.0, 5659.0, 5467.0, 5611.0, 5593.0, 5394.0, 5484.0, 5493.0, 5722.0, 5625.0, 5565.0, 5373.0, 5311.0, 5372.0, 5579.0, 5664.0, 5499.0, 5614.0, 5577.0, 5665.0, 5356.0, 5480.0, 5496.0, 5387.0, 5534.0, 5385.0, 5269.0, 5631.0, 5568.0, 5502.0, 5381.0, 5450.0, 5537.0, 5326.0, 5348.0, 5561.0, 5576.0, 5257.0, 5349.0, 5477.0, 5494.0, 5638.0, 5716.0, 5673.0, 5261.0, 5719.0, 5408.0, 5641.0, 5473.0, 5298.0, 5312.0, 5265.0, 5622.0, 5700.0, 5655.0, 5549.0, 5640.0, 5709.0, 5430.0, 5344.0, 5500.0, 5454.0, 5705.0, 5690.0, 5263.0, 5471.0, 5672.0, 5618.0, 5255.0, 5403.0, 5572.0, 5717.0, 5556.0, 5296.0, 5398.0, 5406.0, 5645.0, 5437.0, 5465.0, 5462.0, 5540.0, 5686.0, 5254.0, 5253.0, 5346.0, 5531.0, 5553.0, 5476.0, 5293.0, 5533.0, 5281.0, 5707.0, 5603.0, 5633.0, 5375.0, 5470.0, 5377.0, 5439.0 (number of hits: 16)

25	5530.0	9	1.0	333	1	5575.0, 5620.0, 5502.0, 5694.0, 5612.0, 5329.0, 5558.0, 5656.0, 5543.0, 5657.0, 5584.0, 5302.0, 5699.0, 5662.0, 5685.0, 5553.0, 5388.0, 5448.0, 5316.0, 5372.0, 5593.0, 5633.0, 5473.0, 5663.0, 5596.0, 5629.0, 5651.0, 5717.0, 5485.0, 5469.0, 5514.0, 5683.0, 5541.0, 5415.0, 5611.0, 5619.0, 5566.0, 5631.0, 5330.0, 5332.0, 5254.0, 5292.0, 5260.0, 5310.0, 5539.0, 5252.0, 5634.0, 5360.0, 5487.0, 5396.0, 5319.0, 5572.0, 5571.0, 5412.0, 5355.0, 5507.0, 5724.0, 5264.0, 5304.0, 5608.0, 5358.0, 5442.0, 5257.0, 5583.0, 5677.0, 5403.0, 5411.0, 5284.0, 5701.0, 5586.0, 5706.0, 5261.0, 5276.0, 5506.0, 5381.0, 5349.0, 5524.0, 5406.0, 5509.0, 5459.0, 5271.0, 5344.0, 5477.0, 5538.0, 5578.0, 5508.0, 5263.0, 5630.0, 5681.0, 5325.0, 5423.0, 5550.0, 5354.0, 5626.0, 5686.0, 5478.0, 5504.0, 5688.0, 5433.0, 5439.0 (number of hits: 16)
26	5530.0	9	1.0	333	1	5366.0, 5281.0, 5407.0, 5469.0, 5340.0, 5643.0, 5683.0, 5494.0, 5279.0, 5285.0, 5605.0, 5313.0, 5352.0, 5625.0, 5355.0, 5426.0, 5563.0, 5294.0, 5348.0, 5566.0, 5668.0, 5439.0, 5333.0, 5457.0, 5499.0, 5503.0, 5373.0, 5473.0, 5261.0, 5665.0, 5505.0, 5647.0, 5257.0, 5406.0, 5570.0, 5571.0, 5268.0, 5682.0, 5598.0, 5252.0, 5602.0, 5300.0, 5460.0, 5575.0, 5434.0, 5295.0, 5515.0, 5320.0, 5530.0, 5653.0, 5611.0, 5718.0, 5449.0, 5492.0, 5486.0, 5377.0, 5386.0, 5592.0, 5337.0, 5706.0, 5600.0, 5698.0, 5560.0, 5412.0, 5639.0, 5388.0, 5710.0, 5720.0, 5278.0, 5387.0, 5484.0, 5371.0, 5631.0, 5458.0, 5322.0, 5346.0, 5323.0, 5516.0, 5613.0, 5712.0, 5311.0, 5450.0, 5357.0, 5287.0, 5578.0, 5374.0, 5521.0, 5703.0, 5381.0, 5288.0, 5336.0, 5705.0, 5275.0, 5482.0, 5474.0, 5554.0, 5353.0, 5436.0, 5385.0, 5524.0 (number of hits: 14)
27	5530.0	9	1.0	333	1	5299.0, 5600.0, 5675.0, 5501.0, 5534.0, 5458.0, 5481.0, 5583.0, 5614.0, 5593.0, 5256.0, 5498.0, 5493.0, 5690.0, 5343.0, 5430.0, 5262.0, 5294.0, 5515.0, 5654.0, 5540.0, 5532.0, 5667.0, 5516.0, 5400.0, 5483.0, 5406.0, 5613.0, 5324.0, 5533.0, 5585.0, 5282.0, 5510.0, 5598.0, 5487.0, 5526.0, 5641.0, 5277.0, 5553.0, 5407.0, 5263.0, 5313.0, 5329.0, 5712.0, 5468.0, 5461.0, 5450.0, 5384.0, 5289.0, 5597.0, 5361.0, 5545.0, 5445.0, 5634.0, 5640.0, 5309.0, 5555.0, 5377.0, 5647.0, 5269.0, 5355.0, 5272.0, 5440.0, 5382.0, 5457.0, 5491.0, 5604.0, 5379.0, 5565.0, 5535.0, 5601.0, 5455.0, 5352.0, 5719.0, 5312.0, 5686.0, 5424.0, 5716.0, 5469.0, 5586.0, 5607.0, 5490.0, 5552.0, 5660.0, 5571.0, 5439.0, 5410.0, 5351.0, 5546.0, 5371.0, 5704.0, 5550.0, 5419.0, 5376.0, 5642.0, 5392.0, 5588.0, 5589.0, 5574.0, 5681.0 (number of hits: 19)
28	5530.0	9	1.0	333	1	5287.0, 5548.0, 5592.0, 5623.0, 5257.0, 5707.0, 5628.0, 5397.0, 5664.0, 5262.0, 5560.0, 5481.0, 5313.0, 5555.0, 5400.0, 5356.0, 5660.0, 5517.0, 5534.0, 5306.0, 5714.0, 5541.0, 5312.0, 5571.0, 5382.0, 5317.0, 5702.0, 5274.0, 5638.0, 5531.0, 5360.0, 5395.0, 5499.0, 5588.0, 5721.0, 5569.0, 5457.0, 5261.0, 5280.0, 5570.0, 5719.0, 5327.0, 5389.0, 5580.0, 5387.0, 5538.0, 5678.0, 5708.0, 5359.0, 5639.0, 5358.0, 5672.0, 5594.0, 5618.0, 5577.0, 5301.0, 5442.0, 5453.0, 5347.0, 5496.0, 5378.0, 5489.0, 5364.0, 5414.0, 5355.0, 5658.0, 5322.0, 5455.0, 5326.0, 5475.0, 5713.0, 5491.0, 5692.0, 5506.0, 5374.0, 5521.0, 5282.0, 5635.0, 5439.0, 5310.0, 5561.0, 5539.0, 5502.0, 5533.0, 5379.0, 5445.0, 5409.0, 5661.0, 5640.0, 5709.0, 5722.0, 5391.0, 5450.0, 5277.0, 5436.0, 5448.0, 5283.0, 5384.0, 5421.0, 5674.0 (number of hits: 16)
29	5530.0	9	1.0	333	1	5438.0, 5402.0, 5607.0, 5281.0, 5529.0, 5431.0, 5255.0,

						5568.0, 5723.0, 5532.0, 5283.0, 5502.0, 5519.0, 5282.0, 5348.0, 5650.0, 5583.0, 5720.0, 5347.0, 5632.0, 5357.0, 5302.0, 5477.0, 5468.0, 5560.0, 5707.0, 5471.0, 5635.0, 5507.0, 5605.0, 5625.0, 5626.0, 5585.0, 5580.0, 5513.0, 5410.0, 5577.0, 5566.0, 5448.0, 5687.0, 5549.0, 5289.0, 5343.0, 5651.0, 5559.0, 5369.0, 5620.0, 5313.0, 5326.0, 5689.0, 5598.0, 5429.0, 5419.0, 5639.0, 5703.0, 5554.0, 5675.0, 5254.0, 5491.0, 5674.0, 5363.0, 5424.0, 5618.0, 5436.0, 5603.0, 5275.0, 5489.0, 5496.0, 5643.0, 5393.0, 5399.0, 5512.0, 5408.0, 5630.0, 5421.0, 5547.0, 5381.0, 5637.0, 5684.0, 5464.0, 5452.0, 5564.0, 5453.0, 5316.0, 5473.0, 5624.0, 5427.0, 5522.0, 5428.0, 5368.0, 5418.0, 5499.0, 5597.0, 5711.0, 5304.0, 5463.0, 5462.0, 5515.0, 5510.0, 5636.0 (number of hits: 19)
30	5530.0	9	1.0	333	1	5562.0, 5423.0, 5358.0, 5343.0, 5376.0, 5439.0, 5443.0, 5712.0, 5394.0, 5701.0, 5602.0, 5326.0, 5533.0, 5687.0, 5262.0, 5345.0, 5583.0, 5444.0, 5606.0, 5276.0, 5721.0, 5609.0, 5341.0, 5415.0, 5315.0, 5422.0, 5268.0, 5543.0, 5252.0, 5360.0, 5505.0, 5507.0, 5653.0, 5634.0, 5473.0, 5484.0, 5480.0, 5307.0, 5539.0, 5569.0, 5472.0, 5388.0, 5402.0, 5699.0, 5280.0, 5593.0, 5278.0, 5552.0, 5435.0, 5356.0, 5392.0, 5708.0, 5524.0, 5591.0, 5299.0, 5669.0, 5301.0, 5426.0, 5667.0, 5635.0, 5309.0, 5665.0, 5522.0, 5509.0, 5541.0, 5551.0, 5471.0, 5462.0, 5674.0, 5474.0, 5454.0, 5323.0, 5688.0, 5389.0, 5498.0, 5456.0, 5514.0, 5330.0, 5501.0, 5487.0, 5662.0, 5717.0, 5626.0, 5724.0, 5273.0, 5590.0, 5582.0, 5675.0, 5253.0, 5550.0, 5566.0, 5260.0, 5377.0, 5399.0, 5370.0, 5520.0, 5623.0, 5622.0, 5544.0, 5645.0 (number of hits: 19)

P2MP Mode
Cobalt Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	80 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	81.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	73.3 %	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	58	1.0	918	0
2	67	1.0	798	1
3	70	1.0	758	1
4	65	1.0	818	1
5	99	1.0	538	1
6	86	1.0	618	1
7	78	1.0	678	1
8	81	1.0	658	1
9	68	1.0	778	0
10	74	1.0	718	0
11	59	1.0	898	1
12	89	1.0	598	1
13	62	1.0	858	1
14	95	1.0	558	1
15	92	1.0	578	1
16	21	1.0	2577	1
17	23	1.0	2310	1
18	23	1.0	2354	1
19	26	1.0	2089	1
20	62	1.0	856	0
21	42	1.0	1278	1
22	41	1.0	1289	0
23	84	1.0	631	1
24	40	1.0	1322	1
25	24	1.0	2238	1
26	28	1.0	1898	1
27	31	1.0	1741	1
28	44	1.0	1221	0
29	19	1.0	2818	1
30	61	1.0	869	1
Detection Percentage: 80 % (>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	1.3	181	1
2	28	1.3	184	0
3	29	4.6	169	1
4	24	1.8	187	0
5	26	4.3	158	1
6	27	4.0	151	1
7	29	3.1	200	1
8	29	3.5	219	1
9	29	2.6	178	0
10	28	3.9	216	1
11	25	4.5	223	1
12	28	2.4	158	0
13	23	3.5	229	1
14	25	3.5	205	1
15	25	1.5	216	1
16	26	2.1	205	1
17	24	2.4	165	1
18	24	3.4	187	0
19	25	1.8	214	1
20	24	2.1	208	1
21	23	4.1	176	1
22	28	1.5	173	1
23	25	3.0	189	1
24	28	3.1	197	1
25	25	1.4	159	0
26	24	2.7	230	1
27	23	5.0	212	0
28	24	4.5	185	1
29	25	4.9	169	1
30	26	4.4	184	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	7.0	320	1
2	16	8.7	494	1
3	16	8.2	439	1
4	16	7.9	311	1
5	18	6.4	342	1
6	18	6.5	438	1
7	16	10.0	447	0
8	16	9.3	335	1
9	16	8.5	232	1
10	17	7.6	468	1
11	18	8.6	451	1
12	17	6.6	232	0
13	16	8.7	425	1
14	17	7.8	276	1
15	17	8.1	275	1
16	18	8.2	239	0
17	16	8.0	414	1
18	17	6.8	394	0
19	18	9.1	238	1
20	16	9.9	206	1
21	18	9.9	458	1
22	16	9.0	367	1
23	16	9.6	488	1
24	18	7.1	392	1
25	17	6.3	341	1
26	18	9.1	394	1
27	18	9.5	205	1
28	16	9.8	271	1
29	17	8.5	216	0
30	17	9.6	224	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	13.2	379	1
2	15	12.3	352	1
3	15	18.4	363	1
4	15	12.0	487	1
5	16	13.3	292	1
6	15	13.3	422	1
7	15	11.6	382	1
8	12	19.3	444	1
9	13	12.7	392	0
10	13	17.7	257	1
11	14	17.6	403	1
12	16	19.3	358	1
13	13	11.6	218	1
14	15	15.5	284	1
15	12	18.9	370	1
16	13	15.2	357	0
17	12	13.0	484	1
18	13	16.5	447	0
19	15	19.7	460	1
20	15	15.4	385	0
21	13	19.7	404	1
22	14	17.6	485	1
23	13	15.9	322	1
24	13	16.2	351	1
25	15	17.1	241	1
26	12	14.7	230	1
27	13	13.0	222	1
28	15	15.0	339	1
29	15	14.3	491	1
30	16	16.7	499	1
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5493.7	1
12	5494.5	1
13	5494.9	1
14	5492.9	1
15	5496.5	1
16	5492.9	1
17	5496.5	1
18	5497.7	1
19	5494.1	1
20	5493.7	1
21	5505.9	1
22	5505.9	1
23	5504.3	1
24	5501.9	1
25	5507.1	1
26	5507.5	1
27	5506.3	1
28	5507.1	1
29	5505.9	1
30	5505.1	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	14	63.8	1626		0.423733	1
1	3	14	83.6	1480	1088	2.197586	
2	2	14	87.1	1225		3.330655	
3	2	14	72.7	1289		4.527374	
4	2	14	50.5	1475		5.195357	
5	2	14	92.5	1641		7.160959	
6	2	14	78.4	1928		7.688158	
7	2	14	90.5	1381		8.640126	
8	1	14	68.8			10.356613	
9	1	14	96.5			11.598918	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	94.9	1300		0.643166	1
1	3	8	94.8	1451	1766	1.294745	
2	2	8	67.1	1573		2.742236	
3	3	8	68.6	1134	1908	3.544435	
4	2	8	90.5	1763		4.093863	
5	1	8	87.2			5.290571	
6	2	8	80.8	1326		6.365517	
7	1	8	74.2			7.601289	
8	1	8	67.4			8.025739	
9	2	8	67.9	1273		9.396147	
10	1	8	50.1			10.902222	
11	3	8	90.3	1511	1578	11.989988	

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	15	65.2			0.132405	1
1	2	15	92.0	1508		1.426707	
2	3	15	58.7	1650	1061	1.700158	
3	2	15	87.1	1126		2.826809	
4	1	15	65.5			3.715865	
5	3	15	63.9	1630	1835	3.993668	
6	1	15	67.5			4.685097	
7	2	15	72.0	1070		5.855166	
8	3	15	93.7	1998	1348	6.199406	
9	1	15	55.4			7.374550	
10	2	15	51.2	1714		7.672684	
11	2	15	77.5	1358		8.644028	
12	1	15	95.4			9.583705	
13	3	15	55.8	1498	1319	10.292680	
14	3	15	92.3	1600	1593	11.025175	
15	1	15	97.0			11.836735	

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	78.9	1325		0.557406	1
1	2	15	84.7	1659		1.178993	
2	3	15	77.0	1017	1814	1.904318	
3	1	15	62.9			2.358383	
4	2	15	94.8	1757		3.440631	
5	2	15	86.9	1557		4.347353	
6	1	15	89.4			4.556758	
7	1	15	64.8			5.507897	
8	1	15	64.2			6.036909	
9	3	15	63.3	1289	1181	7.246759	
10	1	15	94.8			8.207913	
11	2	15	90.7	1538		8.578236	
12	2	15	78.0	1519		9.063448	
13	1	15	83.3			10.492301	
14	2	15	54.1	1845		11.177713	
15	2	15	92.5	1551		11.359646	

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	92.9	1786		0.035663	1
1	2	11	50.8	1130		1.172292	
2	1	11	57.5			2.342894	
3	3	11	95.0	1233	1144	3.037959	
4	1	11	65.2			4.261593	
5	1	11	83.7			4.643214	
6	2	11	74.8	1765		5.600765	
7	2	11	69.2	1508		6.484187	
8	3	11	91.7	1889	1257	7.153081	
9	2	11	91.5	1439		7.877981	
10	1	11	56.5			9.197778	
11	2	11	67.0	1909		9.936092	
12	2	11	76.2	1751		10.821467	
13	2	11	82.1	1063		11.297453	

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	69.4			0.442056	1
1	1	5	99.6			0.990642	
2	2	5	94.1	1532		1.475531	
3	1	5	95.2			2.157669	
4	2	5	78.2	1690		3.000737	
5	2	5	65.9	1279		3.171787	
6	3	5	75.5	1275	1179	4.298189	
7	2	5	81.3	1544		5.026879	
8	3	5	92.5	1589	1155	5.558722	
9	1	5	90.4			5.696941	
10	3	5	66.8	1516	1865	6.624904	
11	2	5	78.5	1220		7.248058	
12	2	5	67.9	1251		7.887897	
13	2	5	64.0	1156		8.577506	
14	1	5	56.2			9.332750	
15	2	5	72.7	1442		9.578665	
16	3	5	78.5	1563	1556	10.580876	
17	3	5	82.2	1736	1592	11.155999	
18	3	5	93.2	1778	1665	11.496436	

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	55.9			0.894367	
1	2	5	74.0	1036		2.078954	
2	2	5	64.3	1135		2.889194	
3	2	5	63.6	1727		4.581473	
4	1	5	63.3			5.423157	1
5	3	5	75.3	1578	1219	7.249436	
6	1	5	96.3			8.203307	
7	3	5	50.5	1353	1790	9.933928	
8	3	5	97.6	1508	1217	11.152356	

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	88.8	1574	1289	0.407866	
1	2	14	82.9	1477		1.690305	
2	2	14	58.4	1999		2.922288	
3	2	14	58.3	1376		3.889870	
4	2	14	60.7	1538		5.164028	
5	3	14	96.0	1735	1078	6.269089	1
6	2	14	75.0	1514		7.575545	
7	2	14	58.5	1994		8.219110	
8	2	14	90.3	1859		9.542994	
9	1	14	54.2			10.456972	
10	2	14	78.4	1252		11.213874	

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	88.8	1424	1127	0.566689	
1	2	14	50.2	1567		1.267080	
2	2	14	60.7	1027		2.250009	
3	1	14	98.4			3.193352	
4	2	14	76.7	1006		4.166280	
5	1	14	68.7			5.391551	
6	1	14	96.0			5.969700	1
7	1	14	67.9			7.314871	
8	1	14	87.3			7.740207	
9	2	14	51.1	1509		8.916191	
10	3	14	53.6	1182	1158	9.697593	
11	3	14	72.3	1544	1624	10.444860	
12	2	14	55.7	1298		11.859796	

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	90.3	1609		0.256932	
1	3	14	88.0	1708	1251	1.148802	
2	2	14	58.6	1093		1.732322	
3	3	14	50.6	1016	1491	1.991966	
4	1	14	95.3			2.931968	
5	2	14	85.0	1906		3.428289	
6	3	14	66.3	1072	1258	4.069622	
7	2	14	60.9	1474		4.511388	
8	2	14	58.7	1043		5.174582	
9	1	14	67.2			6.233757	1
10	1	14	76.9			6.701330	
11	2	14	84.0	1918		7.212486	
12	2	14	50.5	1112		7.585924	
13	3	14	68.3	1632	1346	8.755600	
14	2	14	98.3	1124		9.293817	
15	1	14	88.0			9.978865	
16	3	14	51.1	1148	1836	10.192578	
17	2	14	90.9	1428		10.767309	
18	1	14	54.9			11.831529	

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	58.5	1997		1.084785	1
1	3	8	94.5	1239	1722	2.991106	
2	1	8	61.7			3.481801	
3	2	8	57.9	1094		5.588413	
4	1	8	98.4			7.224502	
5	1	8	75.1			8.548351	
6	3	8	57.6	1694	1887	10.040349	
7	3	8	69.6	1462	1773	10.603112	

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	58.8	1763		0.180608	1
1	2	10	87.6	1739		1.228918	
2	2	10	77.9	1064		2.711834	
3	2	10	93.9	1604		4.383455	
4	2	10	53.3	1517		5.966590	
5	3	10	75.2	1512	1964	6.680851	
6	1	10	71.8			8.055763	
7	2	10	94.6	1009		8.696784	
8	2	10	73.9	1934		9.946905	
9	2	10	75.9	1864		11.583531	

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	95.0	1054		0.230756	
1	2	11	72.1	1840		0.861634	
2	2	11	66.5	1333		1.768683	
3	1	11	62.5			2.801078	
4	3	11	50.7	1203	1810	3.924093	
5	2	11	62.3	1379		4.388023	
6	3	11	84.7	1959	1815	4.879464	
7	2	11	82.4	1389		5.952078	1
8	2	11	70.9	1472		6.544367	
9	1	11	59.0			7.772053	
10	3	11	64.6	1427	1616	8.390473	
11	2	11	95.6	1715		9.299568	
12	3	11	88.7	1365	1257	10.143718	
13	3	11	84.6	1633	1274	10.749769	
14	2	11	84.6	1067		11.569434	

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	89.3	1072		0.669248	
1	2	6	68.8	1143		2.117631	
2	2	6	91.7	1246		3.956235	
3	3	6	78.6	1873	1018	4.141683	
4	3	6	99.0	1375	1603	6.350458	1
5	1	6	67.6			7.435844	
6	2	6	79.6	1320		8.721217	
7	2	6	54.6	1672		9.936690	
8	2	6	68.6	1425		11.111053	

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	15	86.9			0.549611	
1	2	15	57.5	1155		1.301519	
2	3	15	87.9	1974	1629	2.033181	
3	3	15	91.5	1603	1869	2.651406	
4	1	15	61.4			3.204557	
5	3	15	89.1	1261	1308	4.274619	
6	2	15	54.9	1008		5.437721	
7	1	15	50.1			5.773236	1
8	3	15	64.3	1468	1240	6.868429	
9	1	15	77.5			7.535648	
10	1	15	58.9			8.280784	
11	2	15	54.9	1123		8.826221	
12	1	15	93.9			10.352192	
13	3	15	51.7	1920	1491	10.830619	
14	2	15	95.1	1859		11.581275	

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	6	98.1	1929	1664	0.477035	
1	1	6	92.3			0.709143	
2	1	6	80.7			1.500448	
3	2	6	77.6	1664		2.603481	
4	1	6	67.9			3.301352	
5	3	6	65.9	1668	1643	3.610529	
6	2	6	65.3	1178		4.769394	
7	2	6	96.6	1510		5.192601	
8	2	6	60.0	1640		5.650122	1
9	3	6	65.3	1730	1212	6.530133	
10	3	6	62.0	1214	1885	7.215883	
11	2	6	53.4	1199		7.854253	
12	1	6	72.3			8.981876	
13	1	6	57.0			9.681574	
14	3	6	69.3	1316	1426	10.216097	
15	1	6	74.3			10.954772	
16	3	6	61.4	1856	1134	11.791103	

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	97.2	1575		0.427673	
1	1	15	60.5			0.862294	
2	2	15	96.3	1103		1.661954	
3	1	15	82.1			2.268375	
4	2	15	85.6	1772		3.037896	
5	1	15	86.0			3.203504	
6	2	15	97.9	1846		4.310486	
7	3	15	62.3	1026	1124	5.012506	
8	2	15	65.0	1305		5.217167	
9	3	15	65.4	1156	1853	6.051697	1
10	2	15	67.0	1139		6.738851	
11	2	15	69.2	1306		7.019649	
12	2	15	71.7	1829		7.714887	
13	3	15	89.4	1168	1251	8.244960	
14	2	15	59.8	1135		9.257506	
15	3	15	53.8	1182	1264	9.765571	
16	3	15	59.8	1404	1768	10.703405	
17	3	15	54.5	1899	1370	11.303515	
18	2	15	58.7	1632		11.449806	

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	18	88.9	1856	1376	0.041263	
1	1	18	54.0			1.998270	
2	2	18	90.9	1313		3.275105	
3	1	18	62.1			5.177412	
4	1	18	78.3			5.499828	1
5	2	18	93.4	1379		7.122389	
6	2	18	98.5	1533		8.312399	
7	1	18	83.6			10.225231	
8	3	18	77.5	1683	1542	11.071103	

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	93.9	1520		0.117354	
1	1	9	52.4			1.178023	
2	2	9	92.3	1608		1.642118	
3	2	9	87.5	1581		2.938612	
4	1	9	88.9			3.902805	
5	2	9	82.0	1286		4.477118	
6	3	9	58.9	1464	1762	5.162435	
7	2	9	65.3	1306		5.926697	1
8	2	9	83.6	1423		6.471418	
9	1	9	87.3			7.577402	
10	1	9	59.7			8.400380	
11	3	9	95.4	1136	1073	9.276004	
12	3	9	79.6	1127	1124	10.359188	
13	2	9	82.2	1901		10.898867	
14	1	9	74.8			11.377278	

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	8	75.0			0.326294	
1	1	8	63.1			1.359108	
2	1	8	73.0			1.547162	
3	1	8	53.8			2.661552	
4	2	8	68.2	1616		2.896844	
5	1	8	59.7			3.575157	
6	2	8	52.1	1317		4.665894	
7	3	8	55.4	1421	1763	5.145241	
8	2	8	66.7	1346		5.934852	1
9	1	8	95.2			6.362716	
10	2	8	86.4	1095		7.158786	
11	2	8	92.1	1149		7.788663	
12	1	8	89.0			8.937958	
13	2	8	97.5	1139		9.838778	
14	1	8	84.3			9.981166	
15	1	8	69.4			11.097905	
16	2	8	73.0	1140		11.927780	

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	9	59.7			0.020572	1
1	3	9	80.3	1341	1383	1.045662	
2	2	9	94.1	1654		2.694099	
3	3	9	59.0	1224	1311	3.411910	
4	1	9	58.8			4.049503	
5	2	9	92.2	1884		5.622458	
6	3	9	86.0	1930	1529	6.956966	
7	2	9	71.2	1243		7.740818	
8	2	9	51.1	1859		8.572335	
9	1	9	66.9			9.359491	
10	3	9	96.7	1106	1547	10.107608	
11	1	9	89.9			11.312042	

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	9	97.6	1585	1142	0.394468	1
1	2	9	87.1	1935		1.449204	
2	3	9	54.9	1158	1322	2.063709	
3	2	9	92.3	1785		2.569442	
4	3	9	90.2	1025	1978	3.485705	
5	1	9	94.8			4.412751	
6	1	9	81.0			4.946728	
7	3	9	51.5	1690	1185	5.593171	
8	1	9	84.2			6.149685	
9	3	9	74.5	1072	1007	7.347820	
10	1	9	77.1			8.103669	
11	3	9	76.4	1519	1496	8.581496	
12	2	9	79.4	1467		9.228756	
13	2	9	93.4	1075		9.842910	
14	3	9	92.1	1327	1119	10.999930	
15	3	9	95.2	1317	1392	11.250877	

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	13	68.6			0.629656	1
1	3	13	51.9	1280	1715	0.932776	
2	2	13	78.2	1794		1.494297	
3	2	13	56.2	1717		2.480326	
4	2	13	73.9	1012		2.915496	
5	2	13	73.2	1932		3.488406	
6	3	13	69.9	1835	1565	4.035320	
7	2	13	89.2	1813		4.814757	
8	3	13	76.7	1013	1933	5.387608	
9	1	13	59.2			6.258370	
10	1	13	58.6			6.860317	
11	3	13	74.9	1949	1613	7.824700	
12	2	13	90.5	1941		8.308896	
13	2	13	96.4	1927		9.040715	
14	2	13	72.0	1510		9.580642	
15	3	13	96.6	1137	1604	10.080672	
16	2	13	77.6	1158		10.730002	
17	3	13	70.3	1595	1794	11.561562	

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	59.9	1006		0.597002	
1	2	19	60.9	1684		0.917816	
2	2	19	97.4	1890		1.569852	
3	2	19	97.4	1784		2.294426	
4	2	19	64.6	1199		2.782481	
5	3	19	59.5	1157	1110	3.633298	
6	1	19	88.9			4.626651	
7	2	19	68.5	1803		5.328308	
8	2	19	78.1	1212		5.836311	
9	2	19	56.6	1726		6.054674	1
10	3	19	76.7	1585	1481	7.001052	
11	2	19	94.7	1202		7.707705	
12	2	19	98.8	1130		8.469786	
13	2	19	55.8	1517		9.037728	
14	1	19	73.2			9.579894	
15	3	19	80.3	1445	1934	10.511002	
16	2	19	75.7	1987		11.263281	
17	2	19	52.3	1751		11.826554	

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	6	51.6	1664		0.402450	
1	2	6	73.0	1958		1.504871	
2	2	6	98.8	1931		1.711171	
3	2	6	58.3	1097		2.603035	
4	1	6	53.2			3.898628	
5	3	6	98.7	1329	1656	4.113945	
6	1	6	63.9			5.585437	
7	1	6	52.0			5.856169	1
8	2	6	67.7	1947		6.423857	
9	1	6	98.1			7.202118	
10	3	6	66.1	1234	1280	8.513978	
11	2	6	75.7	1436		8.896293	
12	2	6	69.1	1816		10.004823	
13	3	6	83.4	1238	1888	10.847871	
14	3	6	82.4	1982	1624	11.526148	

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	5	88.1			1.261500	1
1	2	5	97.8	1177		2.180983	
2	2	5	51.5	1900		3.804976	
3	2	5	52.1	1140		5.727564	
4	2	5	76.4	1489		6.700218	
5	1	5	50.9			8.946564	
6	2	5	65.1	1045		9.467900	
7	2	5	90.7	1766		11.547058	

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	92.1	1509		0.221165	1
1	3	8	72.1	1659	1416	1.219917	
2	2	8	78.7	1035		2.107310	
3	2	8	61.2	1309		2.657919	
4	2	8	69.6	1104		3.626397	
5	2	8	91.7	1007		4.199698	
6	2	8	66.8	1799		5.498584	
7	2	8	87.8	1558		6.231668	
8	1	8	84.4			6.487195	
9	3	8	56.4	1308	1509	7.870958	
10	1	8	61.9			8.327571	
11	3	8	68.2	1943	1473	9.436482	
12	2	8	71.3	1307		9.851192	
13	1	8	63.2			10.747780	
14	2	8	97.7	1732		11.651988	

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	6	67.1			0.383522	
1	2	6	78.5	1603		0.773986	
2	3	6	68.1	1895	1154	2.052885	
3	1	6	98.9			2.172702	
4	3	6	69.4	1897	1780	3.298333	
5	2	6	59.3	1776		3.862589	
6	2	6	82.1	1334		4.246271	
7	3	6	58.5	1287	1140	5.389231	
8	2	6	73.1	1018		6.239263	1
9	3	6	87.7	1283	1681	6.597409	
10	3	6	86.0	1494	1629	7.550327	
11	3	6	54.1	1412	1000	8.001923	
12	3	6	90.5	1034	1469	9.075297	
13	2	6	91.8	1162		9.195151	
14	2	6	76.4	1594		10.501120	
15	2	6	73.0	1719		11.010495	
16	3	6	55.5	1500	1062	11.949768	

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	9	65.9	1403	1378	0.301852	
1	2	9	81.6	1155		1.066790	
2	3	9	50.6	1978	1485	1.783704	
3	2	9	80.1	1518		2.094429	
4	2	9	93.5	1682		2.670509	
5	3	9	86.3	1951	1216	3.767725	
6	1	9	73.2			4.050466	
7	3	9	80.3	1701	1172	4.960385	
8	3	9	90.6	1961	1350	5.436052	
9	1	9	63.5			6.213139	1
10	3	9	76.7	1327	1728	6.569013	
11	3	9	88.1	1374	1339	7.054331	
12	2	9	84.6	1504		7.674257	
13	1	9	89.3			8.662542	
14	2	9	94.7	1312		9.192802	
15	3	9	62.0	1386	1003	9.945915	
16	3	9	51.6	1949	1311	10.506551	
17	1	9	51.9			11.199339	
18	3	9	57.0	1259	1792	11.585856	

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	88.9	1258		0.817419	
1	2	11	66.3	1195		2.444615	
2	2	11	97.7	1055		3.828180	
3	2	11	63.6	1321		4.843042	
4	2	11	64.8	1067		5.867090	1
5	3	11	97.2	1233	1835	7.692490	
6	3	11	82.3	1077	1783	9.161281	
7	2	11	68.5	1168		10.333658	
8	1	11	67.8			11.476814	

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	5715.0, 5548.0, 5271.0, 5275.0, 5530.0, 5344.0, 5305.0, 5595.0, 5454.0, 5638.0, 5269.0, 5497.0, 5723.0, 5633.0, 5536.0, 5599.0, 5576.0, 5329.0, 5428.0, 5700.0, 5619.0, 5395.0, 5549.0, 5682.0, 5439.0, 5580.0, 5685.0, 5483.0, 5321.0, 5312.0, 5557.0, 5586.0, 5479.0, 5616.0, 5419.0, 5327.0, 5437.0, 5450.0, 5492.0, 5272.0, 5554.0, 5560.0, 5451.0, 5480.0, 5370.0, 5516.0, 5718.0, 5527.0, 5291.0, 5471.0, 5443.0, 5407.0, 5587.0, 5447.0, 5639.0, 5481.0, 5559.0, 5403.0, 5628.0, 5523.0, 5673.0, 5667.0, 5320.0, 5445.0, 5490.0, 5687.0, 5256.0, 5398.0, 5251.0, 5485.0, 5314.0, 5625.0, 5455.0, 5378.0, 5668.0, 5257.0, 5699.0, 5704.0, 5608.0, 5691.0, 5592.0, 5584.0, 5684.0, 5615.0, 5629.0, 5670.0, 5623.0, 5514.0, 5630.0, 5324.0, 5328.0, 5389.0, 5262.0, 5386.0, 5349.0, 5391.0, 5507.0, 5578.0, 5655.0, 5679.0 (number of hits: 4)
2	5500.0	9	1.0	333	1	5620.0, 5695.0, 5261.0, 5550.0, 5581.0, 5463.0, 5561.0, 5639.0, 5288.0, 5382.0, 5557.0, 5635.0, 5592.0, 5716.0, 5276.0, 5432.0, 5272.0, 5446.0, 5570.0, 5671.0, 5322.0, 5489.0, 5694.0, 5705.0, 5667.0, 5710.0, 5682.0, 5552.0, 5285.0, 5646.0, 5387.0, 5441.0, 5321.0, 5698.0, 5345.0, 5584.0, 5681.0, 5267.0, 5558.0, 5448.0, 5601.0, 5283.0, 5433.0, 5455.0, 5332.0, 5505.0, 5610.0, 5650.0, 5307.0, 5310.0, 5626.0, 5645.0, 5657.0, 5415.0, 5377.0, 5460.0, 5585.0, 5393.0, 5333.0, 5715.0, 5553.0, 5305.0, 5668.0, 5252.0, 5608.0, 5442.0, 5352.0, 5690.0, 5473.0, 5384.0, 5353.0, 5468.0, 5358.0, 5337.0, 5495.0, 5406.0, 5444.0, 5309.0, 5346.0, 5559.0, 5578.0, 5514.0, 5538.0, 5394.0, 5717.0, 5383.0, 5471.0, 5278.0, 5652.0, 5275.0, 5516.0, 5700.0, 5286.0, 5294.0, 5293.0, 5565.0, 5257.0, 5326.0, 5265.0, 5291.0 (number of hits: 2)
3	5500.0	9	1.0	333	1	5722.0, 5666.0, 5557.0, 5600.0, 5717.0, 5705.0, 5448.0, 5543.0, 5394.0, 5673.0, 5447.0, 5590.0, 5364.0, 5539.0, 5481.0, 5497.0, 5396.0, 5637.0, 5455.0, 5529.0, 5331.0, 5309.0, 5255.0, 5328.0, 5544.0, 5620.0, 5573.0, 5405.0, 5566.0, 5289.0, 5556.0, 5291.0, 5461.0, 5524.0, 5269.0, 5334.0, 5505.0, 5382.0, 5439.0, 5567.0, 5693.0, 5628.0, 5520.0, 5357.0, 5563.0, 5615.0, 5434.0, 5633.0, 5268.0, 5350.0, 5578.0, 5625.0, 5473.0, 5559.0, 5660.0, 5605.0, 5480.0, 5635.0, 5431.0, 5542.0, 5324.0, 5375.0, 5585.0, 5258.0, 5256.0, 5657.0, 5490.0, 5654.0, 5463.0, 5614.0, 5661.0, 5399.0, 5413.0, 5467.0, 5387.0, 5692.0, 5704.0, 5366.0, 5608.0, 5475.0, 5609.0, 5315.0, 5352.0, 5443.0, 5336.0, 5694.0, 5340.0, 5594.0, 5711.0, 5613.0, 5506.0, 5700.0, 5541.0, 5446.0, 5295.0, 5253.0, 5488.0, 5636.0, 5647.0, 5716.0 (number of hits: 4)
4	5500.0	9	1.0	333	1	5493.0, 5543.0, 5485.0, 5291.0, 5496.0, 5556.0, 5338.0, 5375.0, 5712.0, 5408.0, 5391.0, 5376.0, 5460.0, 5512.0, 5324.0, 5554.0, 5311.0, 5427.0, 5266.0, 5290.0, 5576.0, 5510.0, 5268.0, 5586.0, 5448.0, 5711.0, 5275.0, 5569.0, 5361.0, 5644.0, 5276.0, 5335.0, 5277.0, 5260.0, 5456.0, 5274.0, 5596.0, 5625.0, 5590.0, 5388.0, 5610.0, 5613.0, 5321.0, 5285.0, 5634.0, 5679.0, 5560.0, 5476.0, 5346.0, 5308.0, 5467.0, 5642.0, 5564.0, 5484.0, 5353.0, 5508.0, 5703.0, 5314.0, 5558.0, 5674.0, 5632.0, 5706.0, 5405.0, 5371.0, 5257.0, 5682.0, 5687.0, 5320.0, 5710.0, 5316.0,

						5355.0, 5419.0, 5612.0, 5697.0, 5474.0, 5379.0, 5661.0, 5528.0, 5696.0, 5499.0, 5501.0, 5567.0, 5450.0, 5698.0, 5453.0, 5502.0, 5575.0, 5341.0, 5627.0, 5295.0, 5482.0, 5704.0, 5617.0, 5326.0, 5318.0, 5686.0, 5483.0, 5270.0, 5463.0, 5714.0 (number of hits: 6)
5	5500.0	9	1.0	333	1	5616.0, 5565.0, 5495.0, 5296.0, 5688.0, 5467.0, 5347.0, 5352.0, 5305.0, 5490.0, 5599.0, 5639.0, 5402.0, 5392.0, 5522.0, 5481.0, 5655.0, 5355.0, 5540.0, 5364.0, 5722.0, 5475.0, 5487.0, 5311.0, 5426.0, 5273.0, 5573.0, 5271.0, 5349.0, 5569.0, 5634.0, 5283.0, 5340.0, 5423.0, 5593.0, 5638.0, 5433.0, 5325.0, 5677.0, 5404.0, 5301.0, 5608.0, 5613.0, 5407.0, 5503.0, 5378.0, 5365.0, 5413.0, 5442.0, 5558.0, 5387.0, 5436.0, 5630.0, 5300.0, 5625.0, 5697.0, 5666.0, 5550.0, 5274.0, 5484.0, 5295.0, 5405.0, 5421.0, 5280.0, 5604.0, 5431.0, 5279.0, 5494.0, 5379.0, 5332.0, 5571.0, 5602.0, 5346.0, 5591.0, 5576.0, 5533.0, 5297.0, 5694.0, 5668.0, 5695.0, 5662.0, 5367.0, 5427.0, 5434.0, 5345.0, 5723.0, 5721.0, 5603.0, 5350.0, 5420.0, 5328.0, 5524.0, 5368.0, 5669.0, 5443.0, 5337.0, 5555.0, 5563.0, 5501.0, 5718.0 (number of hits: 5)
6	5500.0	9	1.0	333	0	
7	5500.0	9	1.0	333	1	5280.0, 5707.0, 5505.0, 5549.0, 5550.0, 5397.0, 5320.0, 5582.0, 5520.0, 5364.0, 5286.0, 5289.0, 5346.0, 5430.0, 5630.0, 5649.0, 5700.0, 5516.0, 5310.0, 5337.0, 5424.0, 5293.0, 5699.0, 5304.0, 5312.0, 5371.0, 5456.0, 5529.0, 5326.0, 5583.0, 5475.0, 5570.0, 5537.0, 5413.0, 5261.0, 5474.0, 5519.0, 5374.0, 5563.0, 5366.0, 5486.0, 5426.0, 5637.0, 5305.0, 5368.0, 5679.0, 5384.0, 5302.0, 5256.0, 5396.0, 5287.0, 5514.0, 5260.0, 5447.0, 5375.0, 5279.0, 5704.0, 5658.0, 5670.0, 5621.0, 5480.0, 5650.0, 5362.0, 5455.0, 5574.0, 5628.0, 5383.0, 5644.0, 5434.0, 5577.0, 5313.0, 5562.0, 5594.0, 5323.0, 5307.0, 5478.0, 5290.0, 5431.0, 5410.0, 5347.0, 5405.0, 5353.0, 5508.0, 5666.0, 5418.0, 5532.0, 5552.0, 5463.0, 5667.0, 5722.0, 5701.0, 5655.0, 5661.0, 5635.0, 5341.0, 5439.0, 5723.0, 5421.0, 5710.0, 5560.0 (number of hits: 2)
8	5500.0	9	1.0	333	0	
9	5500.0	9	1.0	333	1	5547.0, 5702.0, 5598.0, 5312.0, 5498.0, 5484.0, 5584.0, 5337.0, 5333.0, 5322.0, 5375.0, 5354.0, 5465.0, 5618.0, 5483.0, 5342.0, 5672.0, 5346.0, 5554.0, 5685.0, 5418.0, 5395.0, 5399.0, 5301.0, 5622.0, 5586.0, 5587.0, 5458.0, 5290.0, 5565.0, 5562.0, 5403.0, 5609.0, 5416.0, 5671.0, 5330.0, 5482.0, 5651.0, 5373.0, 5463.0, 5327.0, 5386.0, 5315.0, 5568.0, 5363.0, 5601.0, 5673.0, 5559.0, 5417.0, 5656.0, 5490.0, 5449.0, 5596.0, 5350.0, 5477.0, 5579.0, 5461.0, 5652.0, 5319.0, 5305.0, 5630.0, 5338.0, 5251.0, 5413.0, 5409.0, 5527.0, 5332.0, 5275.0, 5306.0, 5256.0, 5720.0, 5714.0, 5292.0, 5694.0, 5495.0, 5283.0, 5383.0, 5510.0, 5390.0, 5436.0, 5589.0, 5664.0, 5384.0, 5440.0, 5698.0, 5689.0, 5546.0, 5501.0, 5512.0, 5470.0, 5637.0, 5670.0, 5364.0, 5515.0, 5715.0, 5529.0, 5272.0, 5695.0, 5295.0, 5480.0 (number of hits: 4)
10	5500.0	9	1.0	333	0	
11	5500.0	9	1.0	333	1	5440.0, 5364.0, 5358.0, 5291.0, 5496.0, 5333.0, 5469.0, 5618.0, 5668.0, 5629.0, 5438.0, 5615.0, 5675.0, 5329.0, 5700.0, 5672.0, 5687.0, 5297.0, 5424.0, 5413.0, 5529.0, 5326.0, 5722.0, 5565.0, 5367.0, 5292.0, 5411.0, 5472.0, 5420.0, 5517.0, 5669.0, 5253.0, 5689.0, 5698.0, 5280.0, 5495.0, 5356.0, 5396.0, 5626.0, 5371.0, 5470.0, 5277.0, 5519.0, 5595.0, 5315.0, 5651.0, 5499.0, 5467.0, 5662.0, 5590.0, 5609.0, 5445.0, 5316.0, 5491.0, 5266.0, 5525.0,

						5556.0, 5504.0, 5526.0, 5512.0, 5594.0, 5674.0, 5353.0, 5492.0, 5653.0, 5670.0, 5255.0, 5550.0, 5446.0, 5399.0, 5586.0, 5286.0, 5610.0, 5417.0, 5510.0, 5616.0, 5633.0, 5555.0, 5654.0, 5600.0, 5573.0, 5300.0, 5422.0, 5295.0, 5357.0, 5476.0, 5299.0, 5282.0, 5271.0, 5617.0, 5273.0, 5268.0, 5308.0, 5341.0, 5392.0, 5500.0, 5524.0, 5487.0, 5251.0, 5568.0 (number of hits: 7)
12	5500.0	9	1.0	333	1	5589.0, 5521.0, 5319.0, 5334.0, 5255.0, 5544.0, 5598.0, 5466.0, 5297.0, 5652.0, 5689.0, 5343.0, 5507.0, 5412.0, 5673.0, 5509.0, 5427.0, 5393.0, 5623.0, 5563.0, 5584.0, 5349.0, 5251.0, 5311.0, 5592.0, 5399.0, 5499.0, 5462.0, 5423.0, 5690.0, 5435.0, 5383.0, 5269.0, 5561.0, 5471.0, 5619.0, 5487.0, 5696.0, 5382.0, 5617.0, 5674.0, 5442.0, 5365.0, 5667.0, 5345.0, 5425.0, 5522.0, 5488.0, 5579.0, 5366.0, 5419.0, 5706.0, 5576.0, 5357.0, 5602.0, 5663.0, 5627.0, 5436.0, 5699.0, 5377.0, 5565.0, 5557.0, 5622.0, 5594.0, 5608.0, 5555.0, 5330.0, 5712.0, 5700.0, 5662.0, 5631.0, 5490.0, 5274.0, 5660.0, 5578.0, 5550.0, 5704.0, 5686.0, 5271.0, 5285.0, 5498.0, 5305.0, 5465.0, 5418.0, 5518.0, 5535.0, 5411.0, 5318.0, 5398.0, 5440.0, 5541.0, 5656.0, 5300.0, 5546.0, 5478.0, 5703.0, 5387.0, 5415.0, 5452.0, 5562.0 (number of hits: 5)
13	5500.0	9	1.0	333	1	5449.0, 5359.0, 5344.0, 5709.0, 5484.0, 5272.0, 5490.0, 5271.0, 5636.0, 5339.0, 5433.0, 5718.0, 5498.0, 5296.0, 5518.0, 5576.0, 5627.0, 5693.0, 5479.0, 5315.0, 5386.0, 5327.0, 5306.0, 5623.0, 5670.0, 5333.0, 5591.0, 5625.0, 5282.0, 5650.0, 5618.0, 5493.0, 5653.0, 5439.0, 5331.0, 5564.0, 5647.0, 5400.0, 5441.0, 5687.0, 5707.0, 5405.0, 5280.0, 5270.0, 5447.0, 5666.0, 5613.0, 5351.0, 5340.0, 5521.0, 5684.0, 5592.0, 5310.0, 5558.0, 5453.0, 5411.0, 5589.0, 5569.0, 5462.0, 5701.0, 5571.0, 5375.0, 5507.0, 5287.0, 5671.0, 5417.0, 5436.0, 5432.0, 5704.0, 5476.0, 5675.0, 5543.0, 5535.0, 5494.0, 5523.0, 5561.0, 5659.0, 5563.0, 5609.0, 5579.0, 5352.0, 5660.0, 5716.0, 5572.0, 5313.0, 5514.0, 5451.0, 5426.0, 5565.0, 5588.0, 5568.0, 5598.0, 5663.0, 5710.0, 5307.0, 5378.0, 5342.0, 5566.0, 5504.0, 5397.0 (number of hits: 6)
14	5500.0	9	1.0	333	1	5254.0, 5449.0, 5477.0, 5648.0, 5567.0, 5675.0, 5356.0, 5611.0, 5558.0, 5407.0, 5422.0, 5511.0, 5503.0, 5279.0, 5701.0, 5346.0, 5278.0, 5682.0, 5257.0, 5265.0, 5508.0, 5605.0, 5429.0, 5255.0, 5625.0, 5541.0, 5470.0, 5360.0, 5683.0, 5269.0, 5288.0, 5451.0, 5571.0, 5636.0, 5310.0, 5431.0, 5326.0, 5657.0, 5568.0, 5485.0, 5506.0, 5639.0, 5319.0, 5427.0, 5413.0, 5336.0, 5399.0, 5582.0, 5539.0, 5347.0, 5638.0, 5706.0, 5461.0, 5681.0, 5646.0, 5456.0, 5283.0, 5404.0, 5520.0, 5532.0, 5457.0, 5569.0, 5723.0, 5376.0, 5313.0, 5524.0, 5619.0, 5462.0, 5698.0, 5398.0, 5484.0, 5705.0, 5371.0, 5284.0, 5498.0, 5721.0, 5465.0, 5617.0, 5428.0, 5669.0, 5471.0, 5339.0, 5581.0, 5387.0, 5680.0, 5437.0, 5504.0, 5560.0, 5713.0, 5335.0, 5450.0, 5362.0, 5583.0, 5331.0, 5650.0, 5544.0, 5630.0, 5366.0, 5266.0, 5589.0 (number of hits: 5)
15	5500.0	9	1.0	333	0	
16	5500.0	9	1.0	333	1	5425.0, 5674.0, 5521.0, 5275.0, 5420.0, 5631.0, 5685.0, 5273.0, 5431.0, 5475.0, 5558.0, 5570.0, 5489.0, 5598.0, 5535.0, 5315.0, 5647.0, 5358.0, 5511.0, 5467.0, 5643.0, 5588.0, 5711.0, 5513.0, 5684.0, 5282.0, 5463.0, 5470.0, 5485.0, 5672.0, 5267.0, 5595.0, 5639.0, 5549.0, 5584.0, 5405.0, 5395.0, 5327.0, 5356.0, 5385.0, 5717.0, 5477.0, 5524.0, 5540.0, 5665.0, 5458.0, 5627.0, 5596.0, 5539.0, 5462.0, 5355.0, 5421.0, 5284.0, 5319.0, 5677.0, 5723.0,

						5480.0, 5593.0, 5629.0, 5419.0, 5307.0, 5604.0, 5706.0, 5680.0, 5286.0, 5384.0, 5664.0, 5316.0, 5432.0, 5341.0, 5360.0, 5347.0, 5653.0, 5502.0, 5397.0, 5636.0, 5575.0, 5612.0, 5689.0, 5522.0, 5324.0, 5599.0, 5682.0, 5700.0, 5694.0, 5721.0, 5304.0, 5508.0, 5504.0, 5297.0, 5542.0, 5280.0, 5591.0, 5388.0, 5390.0, 5348.0, 5339.0, 5529.0, 5342.0, 5252.0 (number of hits: 3)
17	5500.0	9	1.0	333	1	5638.0, 5523.0, 5438.0, 5644.0, 5358.0, 5288.0, 5466.0, 5614.0, 5696.0, 5261.0, 5387.0, 5709.0, 5504.0, 5259.0, 5360.0, 5680.0, 5425.0, 5634.0, 5335.0, 5670.0, 5561.0, 5310.0, 5347.0, 5656.0, 5511.0, 5363.0, 5716.0, 5601.0, 5612.0, 5450.0, 5274.0, 5707.0, 5272.0, 5555.0, 5384.0, 5648.0, 5628.0, 5636.0, 5256.0, 5697.0, 5457.0, 5408.0, 5538.0, 5484.0, 5597.0, 5622.0, 5278.0, 5262.0, 5280.0, 5522.0, 5717.0, 5400.0, 5577.0, 5590.0, 5349.0, 5558.0, 5586.0, 5377.0, 5565.0, 5314.0, 5535.0, 5560.0, 5537.0, 5260.0, 5355.0, 5443.0, 5297.0, 5289.0, 5532.0, 5594.0, 5445.0, 5329.0, 5629.0, 5621.0, 5571.0, 5699.0, 5683.0, 5688.0, 5418.0, 5706.0, 5575.0, 5486.0, 5617.0, 5327.0, 5273.0, 5573.0, 5711.0, 5391.0, 5319.0, 5456.0, 5283.0, 5570.0, 5667.0, 5513.0, 5369.0, 5333.0, 5583.0, 5386.0, 5342.0, 5428.0 (number of hits: 1)
18	5500.0	9	1.0	333	1	5375.0, 5535.0, 5708.0, 5428.0, 5547.0, 5591.0, 5665.0, 5502.0, 5444.0, 5390.0, 5539.0, 5654.0, 5339.0, 5507.0, 5426.0, 5316.0, 5572.0, 5707.0, 5568.0, 5465.0, 5328.0, 5256.0, 5605.0, 5391.0, 5570.0, 5274.0, 5716.0, 5383.0, 5379.0, 5258.0, 5562.0, 5367.0, 5602.0, 5262.0, 5626.0, 5586.0, 5306.0, 5627.0, 5377.0, 5684.0, 5284.0, 5435.0, 5595.0, 5425.0, 5521.0, 5319.0, 5318.0, 5501.0, 5253.0, 5407.0, 5592.0, 5462.0, 5410.0, 5368.0, 5500.0, 5528.0, 5687.0, 5531.0, 5422.0, 5530.0, 5721.0, 5298.0, 5542.0, 5340.0, 5677.0, 5341.0, 5266.0, 5527.0, 5722.0, 5639.0, 5491.0, 5420.0, 5617.0, 5476.0, 5700.0, 5352.0, 5382.0, 5674.0, 5690.0, 5689.0, 5279.0, 5553.0, 5332.0, 5452.0, 5692.0, 5268.0, 5349.0, 5324.0, 5712.0, 5430.0, 5400.0, 5321.0, 5676.0, 5388.0, 5398.0, 5577.0, 5254.0, 5469.0, 5613.0, 5325.0 (number of hits: 5)
19	5500.0	9	1.0	333	0	
20	5500.0	9	1.0	333	1	5251.0, 5700.0, 5357.0, 5675.0, 5395.0, 5611.0, 5652.0, 5724.0, 5648.0, 5623.0, 5392.0, 5523.0, 5484.0, 5402.0, 5306.0, 5521.0, 5616.0, 5670.0, 5713.0, 5405.0, 5677.0, 5545.0, 5636.0, 5688.0, 5446.0, 5359.0, 5709.0, 5355.0, 5527.0, 5497.0, 5639.0, 5508.0, 5560.0, 5599.0, 5421.0, 5667.0, 5413.0, 5440.0, 5253.0, 5664.0, 5610.0, 5457.0, 5680.0, 5470.0, 5538.0, 5520.0, 5475.0, 5660.0, 5287.0, 5540.0, 5348.0, 5723.0, 5715.0, 5289.0, 5434.0, 5539.0, 5681.0, 5318.0, 5494.0, 5302.0, 5637.0, 5288.0, 5608.0, 5530.0, 5651.0, 5633.0, 5260.0, 5630.0, 5385.0, 5562.0, 5459.0, 5591.0, 5704.0, 5262.0, 5410.0, 5418.0, 5632.0, 5565.0, 5283.0, 5436.0, 5662.0, 5682.0, 5707.0, 5503.0, 5531.0, 5456.0, 5374.0, 5717.0, 5356.0, 5517.0, 5502.0, 5622.0, 5424.0, 5285.0, 5612.0, 5339.0, 5425.0, 5411.0, 5280.0, 5369.0 (number of hits: 5)
21	5500.0	9	1.0	333	1	5271.0, 5630.0, 5704.0, 5354.0, 5691.0, 5697.0, 5478.0, 5416.0, 5364.0, 5513.0, 5594.0, 5524.0, 5275.0, 5410.0, 5309.0, 5563.0, 5596.0, 5575.0, 5676.0, 5338.0, 5444.0, 5406.0, 5375.0, 5457.0, 5567.0, 5262.0, 5639.0, 5695.0, 5258.0, 5383.0, 5415.0, 5439.0, 5488.0, 5662.0, 5320.0, 5720.0, 5516.0, 5511.0, 5565.0, 5363.0, 5612.0, 5463.0, 5329.0, 5461.0, 5693.0, 5593.0, 5689.0, 5291.0, 5715.0, 5307.0, 5529.0, 5450.0, 5647.0, 5340.0, 5300.0, 5512.0,

						5494.0, 5584.0, 5637.0, 5390.0, 5413.0, 5288.0, 5429.0, 5608.0, 5369.0, 5577.0, 5473.0, 5328.0, 5379.0, 5349.0, 5257.0, 5633.0, 5384.0, 5469.0, 5263.0, 5574.0, 5640.0, 5684.0, 5498.0, 5591.0, 5520.0, 5483.0, 5610.0, 5522.0, 5448.0, 5501.0, 5674.0, 5347.0, 5541.0, 5514.0, 5294.0, 5673.0, 5667.0, 5525.0, 5571.0, 5560.0, 5668.0, 5517.0, 5597.0, 5472.0 (number of hits: 3)
22	5500.0	9	1.0	333	0	
23	5500.0	9	1.0	333	1	5363.0, 5354.0, 5393.0, 5342.0, 5602.0, 5510.0, 5356.0, 5348.0, 5715.0, 5710.0, 5677.0, 5576.0, 5477.0, 5352.0, 5431.0, 5549.0, 5565.0, 5548.0, 5564.0, 5270.0, 5257.0, 5538.0, 5626.0, 5481.0, 5321.0, 5591.0, 5425.0, 5485.0, 5382.0, 5394.0, 5399.0, 5666.0, 5523.0, 5341.0, 5416.0, 5517.0, 5339.0, 5585.0, 5643.0, 5700.0, 5553.0, 5532.0, 5452.0, 5418.0, 5640.0, 5432.0, 5651.0, 5692.0, 5433.0, 5709.0, 5599.0, 5611.0, 5291.0, 5400.0, 5343.0, 5497.0, 5295.0, 5272.0, 5558.0, 5357.0, 5409.0, 5512.0, 5457.0, 5401.0, 5301.0, 5686.0, 5271.0, 5450.0, 5712.0, 5266.0, 5530.0, 5262.0, 5402.0, 5545.0, 5704.0, 5716.0, 5505.0, 5435.0, 5362.0, 5372.0, 5546.0, 5426.0, 5292.0, 5340.0, 5447.0, 5596.0, 5696.0, 5619.0, 5603.0, 5314.0, 5698.0, 5478.0, 5566.0, 5296.0, 5582.0, 5258.0, 5369.0, 5329.0, 5521.0, 5367.0 (number of hits: 2)
24	5500.0	9	1.0	333	1	5721.0, 5688.0, 5631.0, 5329.0, 5443.0, 5487.0, 5714.0, 5592.0, 5537.0, 5591.0, 5440.0, 5516.0, 5508.0, 5678.0, 5507.0, 5295.0, 5392.0, 5402.0, 5446.0, 5331.0, 5538.0, 5485.0, 5368.0, 5671.0, 5290.0, 5629.0, 5701.0, 5367.0, 5633.0, 5338.0, 5391.0, 5407.0, 5682.0, 5560.0, 5708.0, 5260.0, 5390.0, 5261.0, 5718.0, 5400.0, 5555.0, 5398.0, 5549.0, 5585.0, 5660.0, 5357.0, 5552.0, 5386.0, 5700.0, 5344.0, 5454.0, 5332.0, 5534.0, 5415.0, 5619.0, 5309.0, 5285.0, 5550.0, 5614.0, 5449.0, 5635.0, 5554.0, 5519.0, 5672.0, 5336.0, 5428.0, 5479.0, 5447.0, 5356.0, 5686.0, 5684.0, 5565.0, 5570.0, 5663.0, 5418.0, 5608.0, 5441.0, 5475.0, 5693.0, 5464.0, 5514.0, 5385.0, 5512.0, 5364.0, 5655.0, 5677.0, 5720.0, 5467.0, 5302.0, 5573.0, 5255.0, 5634.0, 5281.0, 5594.0, 5406.0, 5482.0, 5442.0, 5410.0, 5702.0, 5409.0 (number of hits: 2)
25	5500.0	9	1.0	333	0	
26	5500.0	9	1.0	333	1	5461.0, 5453.0, 5555.0, 5273.0, 5472.0, 5398.0, 5552.0, 5587.0, 5321.0, 5394.0, 5460.0, 5644.0, 5671.0, 5528.0, 5580.0, 5579.0, 5709.0, 5422.0, 5446.0, 5581.0, 5659.0, 5257.0, 5435.0, 5342.0, 5440.0, 5353.0, 5721.0, 5645.0, 5381.0, 5595.0, 5367.0, 5315.0, 5538.0, 5307.0, 5693.0, 5485.0, 5536.0, 5574.0, 5355.0, 5270.0, 5616.0, 5376.0, 5701.0, 5383.0, 5565.0, 5310.0, 5534.0, 5544.0, 5540.0, 5397.0, 5279.0, 5497.0, 5260.0, 5647.0, 5351.0, 5723.0, 5656.0, 5495.0, 5482.0, 5285.0, 5658.0, 5686.0, 5449.0, 5684.0, 5526.0, 5415.0, 5429.0, 5268.0, 5417.0, 5356.0, 5564.0, 5428.0, 5691.0, 5716.0, 5349.0, 5407.0, 5373.0, 5576.0, 5327.0, 5631.0, 5450.0, 5423.0, 5614.0, 5583.0, 5601.0, 5451.0, 5388.0, 5362.0, 5575.0, 5343.0, 5609.0, 5558.0, 5336.0, 5269.0, 5433.0, 5347.0, 5672.0, 5642.0, 5638.0, 5464.0 (number of hits: 2)
27	5500.0	9	1.0	333	1	5382.0, 5610.0, 5690.0, 5559.0, 5545.0, 5354.0, 5641.0, 5431.0, 5296.0, 5592.0, 5275.0, 5460.0, 5672.0, 5340.0, 5505.0, 5376.0, 5656.0, 5454.0, 5501.0, 5453.0, 5553.0, 5390.0, 5270.0, 5323.0, 5679.0, 5444.0, 5260.0, 5422.0, 5534.0, 5348.0, 5278.0, 5488.0, 5588.0, 5492.0, 5463.0, 5635.0, 5458.0, 5589.0, 5343.0, 5389.0, 5535.0, 5508.0, 5416.0, 5675.0, 5658.0, 5357.0, 5661.0, 5475.0, 5546.0,

						5302.0, 5462.0, 5720.0, 5608.0, 5597.0, 5601.0, 5400.0, 5362.0, 5427.0, 5364.0, 5530.0, 5605.0, 5317.0, 5438.0, 5625.0, 5638.0, 5528.0, 5491.0, 5283.0, 5344.0, 5575.0, 5665.0, 5618.0, 5373.0, 5574.0, 5570.0, 5385.0, 5375.0, 5700.0, 5412.0, 5307.0, 5681.0, 5598.0, 5502.0, 5309.0, 5319.0, 5537.0, 5620.0, 5361.0, 5544.0, 5583.0, 5683.0, 5304.0, 5676.0, 5609.0, 5705.0, 5634.0, 5496.0, 5407.0, 5425.0, 5718.0 (number of hits: 7)
28	5500.0	9	1.0	333	1	5550.0, 5369.0, 5715.0, 5408.0, 5434.0, 5594.0, 5433.0, 5670.0, 5415.0, 5722.0, 5392.0, 5336.0, 5660.0, 5424.0, 5611.0, 5265.0, 5307.0, 5515.0, 5691.0, 5669.0, 5675.0, 5534.0, 5629.0, 5631.0, 5342.0, 5553.0, 5331.0, 5421.0, 5663.0, 5539.0, 5721.0, 5613.0, 5683.0, 5723.0, 5349.0, 5525.0, 5279.0, 5699.0, 5335.0, 5302.0, 5451.0, 5275.0, 5719.0, 5637.0, 5627.0, 5346.0, 5661.0, 5280.0, 5413.0, 5278.0, 5489.0, 5288.0, 5436.0, 5646.0, 5452.0, 5283.0, 5364.0, 5437.0, 5536.0, 5475.0, 5359.0, 5403.0, 5469.0, 5389.0, 5425.0, 5428.0, 5671.0, 5332.0, 5367.0, 5268.0, 5492.0, 5666.0, 5713.0, 5333.0, 5533.0, 5720.0, 5376.0, 5507.0, 5577.0, 5677.0, 5559.0, 5467.0, 5269.0, 5529.0, 5299.0, 5296.0, 5605.0, 5259.0, 5250.0, 5318.0, 5282.0, 5338.0, 5506.0, 5458.0, 5514.0, 5668.0, 5652.0, 5472.0, 5588.0, 5578.0 (number of hits: 3)
29	5500.0	9	1.0	333	1	5474.0, 5649.0, 5527.0, 5521.0, 5638.0, 5608.0, 5460.0, 5606.0, 5507.0, 5307.0, 5349.0, 5644.0, 5635.0, 5318.0, 5469.0, 5513.0, 5722.0, 5354.0, 5454.0, 5367.0, 5281.0, 5289.0, 5305.0, 5499.0, 5360.0, 5341.0, 5330.0, 5270.0, 5259.0, 5375.0, 5298.0, 5538.0, 5710.0, 5273.0, 5495.0, 5700.0, 5541.0, 5254.0, 5605.0, 5682.0, 5466.0, 5554.0, 5409.0, 5549.0, 5387.0, 5575.0, 5303.0, 5668.0, 5504.0, 5653.0, 5363.0, 5419.0, 5276.0, 5256.0, 5552.0, 5703.0, 5629.0, 5712.0, 5448.0, 5645.0, 5476.0, 5602.0, 5407.0, 5253.0, 5423.0, 5699.0, 5569.0, 5515.0, 5429.0, 5490.0, 5347.0, 5439.0, 5373.0, 5655.0, 5319.0, 5467.0, 5404.0, 5464.0, 5461.0, 5290.0, 5593.0, 5428.0, 5672.0, 5681.0, 5547.0, 5581.0, 5713.0, 5517.0, 5611.0, 5366.0, 5374.0, 5261.0, 5534.0, 5410.0, 5683.0, 5634.0, 5396.0, 5346.0, 5491.0, 5661.0 (number of hits: 6)
30	5500.0	9	1.0	333	0	

P2MP Mode
Cobalt 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	76.7 %	60%	Pass
Type 4	30	76.7 %	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 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	92	1.0	578	1
2	74	1.0	718	0
3	59	1.0	898	1
4	72	1.0	738	1
5	95	1.0	558	1
6	62	1.0	858	1
7	65	1.0	818	1
8	68	1.0	778	1
9	76	1.0	698	1
10	57	1.0	938	1
11	63	1.0	838	1
12	58	1.0	918	1
13	67	1.0	798	1
14	78	1.0	678	1
15	89	1.0	598	1
16	41	1.0	1288	1
17	72	1.0	737	1
18	88	1.0	606	1
19	101	1.0	527	1
20	28	1.0	1945	1
21	66	1.0	802	1
22	19	1.0	2896	1
23	32	1.0	1654	1
24	24	1.0	2210	1
25	19	1.0	2801	1
26	51	1.0	1040	1
27	23	1.0	2393	1
28	23	1.0	2303	1
29	26	1.0	2070	1
30	27	1.0	2008	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	2.1	203	1
2	23	3.6	153	1
3	28	1.0	184	1
4	29	4.3	219	1
5	24	3.6	183	1
6	27	3.2	219	1
7	28	2.8	175	1
8	28	2.6	183	1
9	29	4.4	155	1
10	28	3.8	166	1
11	29	1.2	219	1
12	24	1.8	226	0
13	27	1.5	197	1
14	26	4.8	166	1
15	29	2.5	194	1
16	24	5.0	223	1
17	27	1.5	204	1
18	24	3.5	191	0
19	25	2.6	181	1
20	23	3.8	159	1
21	24	1.4	157	1
22	23	2.3	190	1
23	29	1.0	191	0
24	28	2.9	194	1
25	25	1.0	206	1
26	26	3.5	219	0
27	24	3.0	221	1
28	25	2.3	160	1
29	24	4.1	167	1
30	29	2.9	154	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	16	8.4	434	1
2	17	6.6	426	1
3	17	9.6	294	1
4	18	8.8	413	1
5	18	7.4	311	1
6	17	8.7	438	1
7	17	6.8	374	1
8	17	8.6	473	0
9	17	7.6	209	1
10	17	9.9	359	1
11	18	8.8	479	1
12	16	8.7	247	1
13	16	8.4	376	0
14	18	8.4	254	1
15	17	8.8	431	1
16	17	6.7	237	0
17	16	10.0	432	1
18	18	7.8	307	0
19	18	6.3	426	1
20	18	6.5	211	1
21	16	7.2	349	1
22	17	7.3	220	0
23	17	7.3	373	1
24	17	9.4	420	1
25	17	8.4	355	1
26	17	8.0	487	1
27	17	10.0	378	0
28	18	7.4	335	0
29	16	8.0	234	1
30	16	9.1	333	1
Detection Percentage: 76.7 % (>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	13	15.0	341	1
2	14	12.0	487	0
3	14	16.0	354	0
4	16	17.2	353	1
5	13	15.8	212	0
6	15	19.5	312	1
7	16	13.7	317	1
8	14	15.2	277	1
9	15	19.2	250	1
10	13	13.6	320	1
11	13	11.2	248	1
12	12	19.1	415	1
13	16	11.2	273	1
14	15	18.5	287	1
15	13	13.9	215	1
16	12	11.1	425	1
17	14	13.8	320	0
18	12	17.9	499	1
19	14	15.7	478	0
20	16	13.4	452	1
21	13	14.2	339	1
22	13	17.7	425	1
23	14	14.2	289	0
24	16	12.9	383	1
25	14	19.9	273	1
26	12	12.6	276	1
27	16	15.4	355	1
28	15	15.3	325	0
29	12	18.3	456	1
30	14	17.3	203	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5498.6	1
12	5497.0	1
13	5494.6	1
14	5498.6	1
15	5493.8	1
16	5498.6	1
17	5495.8	1
18	5496.2	1
19	5495.0	1
20	5495.8	1
21	5526.6	1
22	5525.0	1
23	5522.2	1
24	5526.2	1
25	5524.6	1
26	5525.0	1
27	5523.0	1
28	5522.2	1
29	5525.8	1
30	5524.2	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	6	72.6	1166	1875	0.025418	1
1	2	6	68.1	1694		1.044148	
2	2	6	89.9	1706		1.803009	
3	3	6	87.1	1740	1806	2.781856	
4	3	6	82.1	1878	1433	3.043438	
5	2	6	88.0	1661		4.084842	
6	2	6	94.8	1041		4.993837	
7	2	6	78.9	1149		5.450005	
8	3	6	88.0	1177	1754	6.211443	
9	2	6	55.7	1663		6.751119	
10	2	6	62.4	1118		8.071915	
11	3	6	64.1	1936	1578	8.901917	
12	1	6	79.0			9.247036	
13	2	6	52.2	1287		10.437286	
14	1	6	95.3			10.926047	
15	2	6	76.4	1658		11.478632	

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	69.1	1599		0.115219	1
1	2	11	55.5	1745		0.984602	
2	2	11	53.4	1564		1.582094	
3	1	11	56.4			2.163520	
4	2	11	83.3	1699		3.173069	
5	2	11	53.9	1730		3.934787	
6	1	11	84.4			4.586772	
7	3	11	97.2	1422	1413	5.126536	
8	3	11	76.0	1322	1083	5.818018	
9	3	11	60.3	1134	1669	6.594612	
10	1	11	79.0			7.106532	
11	2	11	86.8	1523		7.738206	
12	1	11	89.9			8.088928	
13	2	11	94.3	1876		9.141495	
14	2	11	72.1	1087		9.355179	
15	2	11	80.9	1499		10.333322	
16	2	11	72.6	1038		11.187343	
17	2	11	99.3	1397		11.973891	

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	92.8	1864		0.207725	
1	1	10	63.2			2.137923	
2	2	10	85.9	1964		2.313817	
3	2	10	66.1	1029		4.340186	
4	2	10	86.1	1859		5.428745	
5	3	10	67.3	1753	1077	6.089741	1
6	2	10	64.9	1527		7.229047	
7	1	10	52.5			8.099183	
8	2	10	83.4	1479		9.328681	
9	3	10	58.5	1785	1439	9.949143	
10	2	10	81.0	1135		11.852045	

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	8	68.9			0.506656	
1	2	8	86.5	1716		1.348042	
2	2	8	72.3	1321		1.613726	
3	2	8	91.6	1650		2.443670	
4	2	8	87.9	1770		2.998806	
5	2	8	55.8	1747		3.747786	
6	2	8	90.4	1358		4.856960	
7	2	8	51.5	1469		5.149908	
8	3	8	86.8	1001	1609	5.748986	1
9	3	8	57.8	1035	1820	6.461527	
10	1	8	51.7			7.229042	
11	2	8	66.0	1465		7.937832	
12	1	8	54.9			8.727337	
13	3	8	66.6	1518	1109	9.594223	
14	2	8	98.9	1874		9.962626	
15	1	8	96.3			11.114641	
16	2	8	53.6	1300		11.669279	

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	7	98.4			0.135584	1
1	2	7	53.1	1429		1.501141	
2	2	7	55.2	1524		2.810373	
3	1	7	88.9			3.588661	
4	3	7	52.9	1299	1974	4.993489	
5	2	7	82.2	1670		5.686824	
6	2	7	57.0	1609		6.974772	
7	2	7	80.3	1844		8.338747	
8	3	7	83.2	1046	1476	8.819620	
9	1	7	78.8			9.911104	
10	2	7	91.3	1602		11.337504	

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	12	51.7	1592	1491	0.413266	1
1	1	12	86.7			1.501558	
2	2	12	54.7	1087		2.559676	
3	3	12	88.8	1024	1064	4.386211	
4	2	12	88.1	1423		5.920470	
5	2	12	86.6	1288		6.095209	
6	2	12	98.1	1160		8.344404	
7	3	12	53.1	1268	1642	9.048563	
8	1	12	90.3			9.716821	
9	3	12	73.0	1395	1683	11.990378	

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	74.2	1774	1143	0.523442	
1	3	7	67.0	1597	1461	1.690147	
2	3	7	82.0	1929	1495	2.572449	
3	2	7	78.9	1063		3.025630	
4	2	7	78.2	1324		3.793155	
5	1	7	54.2			5.041585	
6	2	7	77.7	1406		5.735067	1
7	2	7	99.0	1371		7.036460	
8	3	7	91.8	1807	1611	8.143180	
9	1	7	89.5			8.736095	
10	1	7	73.9			10.021314	
11	1	7	80.5			11.071115	
12	2	7	66.3	1982		11.704688	

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	93.8	1128		0.355221	
1	3	11	55.0	1321	1586	0.996526	
2	1	11	80.4			1.993717	
3	1	11	63.1			2.582153	
4	2	11	70.8	1727		2.934375	
5	1	11	65.4			3.470509	
6	3	11	87.9	1680	1149	4.035234	
7	1	11	84.4			4.940187	
8	2	11	85.0	1521		5.860066	
9	1	11	97.5			6.657362	1
10	2	11	79.2	1826		6.717981	
11	1	11	76.8			7.828433	
12	1	11	94.1			8.326908	
13	1	11	85.8			9.006558	
14	2	11	52.0	1119		9.603668	
15	1	11	57.7			10.391193	
16	3	11	95.3	1534	1879	10.975370	
17	2	11	92.6	1349		11.427715	

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	6	52.2	1486		0.660682	
1	2	6	54.2	1899		1.309773	
2	3	6	55.6	1195	1120	1.906932	
3	1	6	94.2			2.419490	
4	1	6	59.0			3.626512	
5	2	6	97.2	1935		4.745624	
6	2	6	56.4	1646		5.187094	
7	3	6	99.6	1242	1179	6.045078	1
8	3	6	51.3	1181	1163	6.501451	
9	2	6	97.6	1412		7.686681	
10	2	6	83.9	1872		8.050009	
11	2	6	72.6	1527		9.589213	
12	2	6	76.3	1202		9.701574	
13	1	6	96.4			10.738498	
14	2	6	82.3	1161		11.880269	

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	12	66.1	1182		0.547947	
1	2	12	63.1	1567		1.425324	
2	1	12	53.4			2.965338	
3	2	12	69.2	1354		4.581221	
4	2	12	89.8	1308		6.394664	1
5	2	12	80.0	1367		7.225066	
6	2	12	51.1	1923		8.456367	
7	1	12	80.8			10.362296	
8	2	12	95.8	1006		11.949050	

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	19	94.1	1645	1350	0.266650	1
1	2	19	68.1	1010		1.356831	
2	2	19	72.2	1415		1.742365	
3	3	19	90.3	1141	1218	2.411830	
4	2	19	94.7	1776		3.439357	
5	1	19	74.2			3.827943	
6	2	19	91.9	1299		4.563380	
7	3	19	98.0	1362	1897	5.614926	
8	3	19	80.4	1051	1388	6.609028	
9	2	19	95.8	1914		7.187411	
10	3	19	65.4	1995	1453	7.553498	
11	2	19	59.1	1497		8.370926	
12	2	19	98.5	1971		9.595840	
13	1	19	92.8			10.055615	
14	2	19	73.3	1489		10.511152	
15	1	19	63.5			11.363495	

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	15	70.2	1774		1.437450	1
1	2	15	79.9	1041		2.652319	
2	2	15	95.8	1503		3.399236	
3	2	15	72.4	1147		5.141964	
4	2	15	86.6	1146		7.405212	
5	2	15	92.5	1533		8.641397	
6	1	15	79.2			9.090189	
7	3	15	88.1	1821	1834	11.086112	

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	9	62.5	1487		0.438114	
1	2	9	54.5	1366		0.997575	
2	2	9	89.1	1247		2.050004	
3	1	9	99.8			2.438104	
4	2	9	51.5	1893		3.716936	
5	1	9	56.4			4.133098	
6	2	9	64.7	1085		5.044299	
7	2	9	95.3	1413		5.795509	1
8	2	9	55.5	1197		6.626230	
9	2	9	85.1	1036		7.410102	
10	2	9	61.4	1510		8.671420	
11	2	9	86.1	1900		9.421381	
12	1	9	92.9			9.883137	
13	1	9	93.2			10.881890	
14	1	9	54.6			11.365368	

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	19	76.4	1129		0.017843	
1	2	19	50.1	1684		1.309230	
2	3	19	54.1	1830	1825	2.044859	
3	3	19	73.2	1615	1197	3.128478	
4	1	19	56.0			3.651824	
5	2	19	66.3	1604		4.068519	
6	1	19	68.0			4.803316	
7	2	19	61.5	1005		5.715032	1
8	1	19	90.4			6.758440	
9	1	19	90.7			7.400421	
10	2	19	63.4	1964		8.222181	
11	1	19	74.8			9.525505	
12	2	19	66.2	1483		10.145009	
13	3	19	65.6	1101	1443	11.048849	
14	2	19	64.5	1900		11.488693	

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	7	84.7	1583		0.123644	
1	1	7	81.4			1.109134	
2	3	7	63.2	1812	1627	2.707696	
3	2	7	58.3	1563		3.313914	
4	1	7	67.2			3.877914	
5	2	7	94.1	1605		4.655761	
6	2	7	54.7	1646		5.962035	1
7	2	7	92.8	1094		6.996896	
8	2	7	53.0	1725		8.154909	
9	2	7	89.9	1256		8.352593	
10	3	7	53.3	1265	1976	10.023000	
11	2	7	78.9	1229		11.061205	
12	3	7	89.0	1753	1917	11.754259	

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	87.9			0.086206	
1	1	19	58.5			0.782975	
2	1	19	97.1			1.903783	
3	2	19	55.3	1165		2.138979	
4	2	19	65.3	1923		3.222516	
5	2	19	72.7	1536		3.793223	
6	1	19	93.7			4.497220	
7	2	19	50.2	1755		4.831942	
8	3	19	69.3	1725	1917	5.427127	
9	1	19	53.6			6.268406	1
10	2	19	91.3	1068		6.820265	
11	2	19	51.4	1656		7.367436	
12	1	19	79.7			8.046091	
13	1	19	74.5			8.795292	
14	3	19	54.0	1248	1592	9.631888	
15	2	19	59.1	1683		10.219332	
16	2	19	84.2	1125		10.708241	
17	1	19	90.9			11.500241	

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	12	60.9	1107		0.358994	1
1	3	12	56.8	1977	1400	0.959692	
2	3	12	96.9	1265	1449	1.704059	
3	2	12	70.6	1373		2.344034	
4	1	12	77.8			3.316085	
5	1	12	72.2			4.469443	
6	2	12	51.5	1017		4.898518	
7	1	12	96.3			5.422359	
8	2	12	82.3	1915		6.511848	
9	1	12	91.3			7.210433	
10	3	12	96.7	1837	1365	8.210568	
11	3	12	67.8	1803	1765	8.890458	
12	2	12	92.2	1323		9.573542	
13	1	12	70.6			10.124640	
14	2	12	84.3	1434		11.129673	
15	2	12	67.2	1868		11.605462	

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	71.8	1651		0.908123	1
1	3	13	96.8	1286	1337	1.514114	
2	2	13	92.6	1785		3.371768	
3	1	13	52.1			4.235752	
4	2	13	66.7	1409		6.586735	
5	2	13	93.5	1772		7.705924	
6	2	13	64.0	1394		8.485343	
7	2	13	73.7	1898		10.490521	
8	2	13	65.3	1089		11.721432	

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	10	54.3			0.527994	
1	1	10	93.0			0.822259	
2	3	10	72.4	1096	1489	2.072697	
3	2	10	74.4	1329		3.022834	
4	2	10	53.2	1251		3.946248	
5	2	10	70.1	1319		4.739073	
6	3	10	55.6	1211	1432	5.295831	
7	3	10	64.7	1457	1064	5.829432	1
8	2	10	99.4	1662		6.786001	
9	1	10	51.7			7.246445	
10	2	10	82.8	1617		8.203968	
11	1	10	62.3			9.147993	
12	2	10	76.8	1624		9.676704	
13	2	10	82.1	1415		11.168664	
14	1	10	81.0			11.289292	

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	78.6	1048	1343	1.084890	
1	2	12	71.7	1829		2.028505	
2	2	12	80.0	1274		2.606355	
3	1	12	71.4			4.472532	
4	2	12	62.2	1149		4.843286	
5	2	12	89.4	1783		6.868108	1
6	2	12	51.9	1584		8.174372	
7	1	12	86.1			8.836621	
8	3	12	51.9	1172	1835	10.313195	
9	1	12	88.8			11.203951	

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	87.4	1231		0.700073	
1	3	6	53.6	1044	1865	1.569621	
2	2	6	81.5	1883		3.122086	
3	1	6	88.5			3.359028	
4	1	6	95.6			5.020094	
5	2	6	56.2	1564		5.972608	1
6	1	6	54.7			7.491868	
7	2	6	87.2	1465		8.713226	
8	1	6	61.9			9.498583	
9	3	6	53.1	1458	1268	10.823837	
10	2	6	56.8	1526		11.908722	

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	10	55.6			0.703014	
1	1	10	79.8			1.034061	
2	1	10	88.8			2.402634	
3	2	10	76.1	1812		3.007165	
4	2	10	89.4	1932		4.055797	
5	2	10	64.9	1451		4.927619	
6	2	10	59.9	1561		5.884494	
7	1	10	54.8			6.486566	1
8	2	10	95.0	1672		7.206401	
9	2	10	80.0	1214		8.407638	
10	1	10	66.0			8.753073	
11	3	10	79.8	1598	1601	9.594589	
12	2	10	86.3	1483		11.068632	
13	1	10	58.2			11.579019	

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	84.8	1226		1.042807	1
1	1	17	68.2			1.583203	
2	1	17	67.5			2.230552	
3	2	17	56.3	1462		4.217035	
4	2	17	82.8	1564		5.056071	
5	1	17	88.9			5.834056	
6	2	17	66.8	1360		6.647485	
7	2	17	71.2	1450		7.645434	
8	2	17	84.5	1268		9.206058	
9	3	17	74.0	1848	1319	9.876340	
10	3	17	92.3	1095	1271	10.913332	

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	70.6			1.118435	1
1	2	7	99.1	1689		2.244524	
2	1	7	70.5			2.642175	
3	2	7	53.8	1927		4.336793	
4	2	7	70.2	1758		5.961923	
5	1	7	84.3			6.929592	
6	1	7	99.1			7.305446	
7	1	7	78.5			8.698406	
8	1	7	52.2			10.705375	
9	3	7	76.5	1660	1943	11.447616	

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	83.3	1533		0.329311	1
1	3	11	95.9	1184	1973	0.675931	
2	2	11	54.0	1346		1.693202	
3	2	11	70.3	1419		2.148176	
4	1	11	73.7			2.825822	
5	1	11	84.4			3.538008	
6	2	11	76.3	1545		4.647834	
7	3	11	86.7	1478	1388	5.169338	
8	3	11	63.5	1973	1200	5.782440	
9	3	11	86.9	1701	1468	6.030381	
10	1	11	67.1			7.095874	
11	2	11	57.1	1828		7.766688	
12	1	11	89.2			8.165536	
13	3	11	66.1	1585	1062	9.237819	
14	2	11	59.0	1573		9.778023	
15	2	11	61.1	1370		10.644463	
16	1	11	93.8			10.921016	
17	3	11	90.6	1756	1864	11.982408	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	85.6	1084	1592	0.466823	
1	1	10	66.1			1.852067	
2	3	10	56.7	1322	1366	2.855099	
3	2	10	94.9	1058		4.877045	
4	1	10	57.8			5.386886	1
5	2	10	70.8	1599		6.864151	
6	2	10	83.4	1278		9.117113	
7	2	10	98.1	1786		9.349000	
8	1	10	80.8			11.297670	

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	15	90.0	1088	1958	0.102214	
1	3	15	61.1	1272	1545	1.264528	
2	2	15	72.9	1137		1.714117	
3	1	15	68.1			2.643964	
4	1	15	51.0			3.378353	
5	2	15	96.6	1554		3.620882	
6	3	15	64.4	1751	1668	4.243422	
7	2	15	57.1	1848		5.287739	
8	2	15	86.8	1699		5.902396	1
9	1	15	74.3			6.390016	
10	2	15	62.0	1106		7.239184	
11	2	15	90.6	1313		8.285199	
12	2	15	72.4	1933		8.745851	
13	2	15	61.7	1507		9.408595	
14	2	15	80.0	1834		10.056772	
15	2	15	74.8	1948		11.218995	
16	3	15	91.3	1892	1648	11.512508	

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	89.9	1301		0.394501	
1	2	17	76.0	2000		1.099371	
2	1	17	64.2			1.529165	
3	2	17	84.7	1510		2.325706	
4	2	17	73.1	1480		2.971196	
5	2	17	88.9	1167		3.564563	
6	2	17	61.5	1229		4.031059	
7	2	17	74.7	1676		4.642051	
8	2	17	99.5	1616		5.671063	
9	2	17	98.4	1852		6.283186	1
10	1	17	69.8			6.712919	
11	1	17	66.5			7.128828	
12	2	17	89.1	1721		7.657972	
13	2	17	91.4	1108		8.226618	
14	2	17	75.0	1594		9.361714	
15	2	17	90.5	1508		9.597041	
16	2	17	91.7	1765		10.248251	
17	1	17	93.4			11.364344	
18	1	17	73.1			11.555054	

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	8	83.9	1558		0.325386	
1	1	8	63.0			1.618731	
2	2	8	58.1	1927		2.230402	
3	2	8	72.1	1704		3.114338	
4	1	8	97.7			3.977948	
5	2	8	68.1	1843		4.373526	
6	2	8	75.5	1101		5.293648	
7	2	8	81.5	1453		6.782366	1
8	2	8	67.7	1540		7.394345	
9	2	8	62.3	1118		8.012407	
10	2	8	55.3	1142		9.161892	
11	1	8	55.4			10.263634	
12	1	8	90.7			10.545036	
13	1	8	87.3			11.601182	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	97.2	1515		0.310179	
1	2	12	72.5	1787		0.764265	
2	2	12	89.5	1834		1.474837	
3	2	12	88.2	1726		2.257478	
4	2	12	87.3	1694		2.955179	
5	2	12	73.0	1262		3.687690	
6	2	12	53.4	1897		4.112229	
7	3	12	89.0	1782	1812	4.623056	
8	2	12	52.0	1273		5.236740	
9	2	12	92.2	1490		5.968022	1
10	1	12	95.2			6.832988	
11	2	12	56.1	1303		7.481599	
12	1	12	58.1			7.757145	
13	3	12	89.8	1971	1765	8.687428	
14	2	12	93.4	1983		9.224109	
15	2	12	90.5	1612		9.541179	
16	2	12	94.9	1811		10.510587	
17	3	12	74.3	1952	1941	10.837634	
18	2	12	57.1	1153		11.656995	

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	5583.0, 5481.0, 5599.0, 5541.0, 5667.0, 5479.0, 5575.0, 5572.0, 5366.0, 5658.0, 5290.0, 5641.0, 5704.0, 5383.0, 5668.0, 5494.0, 5365.0, 5538.0, 5408.0, 5468.0, 5542.0, 5465.0, 5432.0, 5477.0, 5260.0, 5442.0, 5429.0, 5501.0, 5656.0, 5488.0, 5295.0, 5674.0, 5690.0, 5679.0, 5456.0, 5363.0, 5462.0, 5686.0, 5489.0, 5313.0, 5354.0, 5499.0, 5705.0, 5305.0, 5351.0, 5708.0, 5590.0, 5680.0, 5653.0, 5257.0, 5561.0, 5601.0, 5276.0, 5341.0, 5331.0, 5474.0, 5357.0, 5547.0, 5324.0, 5513.0, 5671.0, 5281.0, 5464.0, 5649.0, 5385.0, 5347.0, 5522.0, 5326.0, 5588.0, 5628.0, 5395.0, 5392.0, 5698.0, 5625.0, 5536.0, 5675.0, 5687.0, 5413.0, 5617.0, 5491.0, 5620.0, 5718.0, 5285.0, 5393.0, 5673.0, 5329.0, 5714.0, 5278.0, 5646.0, 5633.0, 5502.0, 5505.0, 5574.0, 5577.0, 5515.0, 5446.0, 5662.0, 5643.0, 5406.0, 5694.0 (number of hits: 9)
2	5510.0	9	1.0	333	0	
3	5510.0	9	1.0	333	1	5266.0, 5663.0, 5367.0, 5268.0, 5408.0, 5679.0, 5273.0, 5591.0, 5357.0, 5305.0, 5649.0, 5366.0, 5720.0, 5696.0, 5703.0, 5503.0, 5675.0, 5619.0, 5403.0, 5365.0, 5461.0, 5359.0, 5507.0, 5530.0, 5396.0, 5386.0, 5356.0, 5520.0, 5511.0, 5613.0, 5340.0, 5630.0, 5453.0, 5371.0, 5362.0, 5655.0, 5329.0, 5487.0, 5438.0, 5316.0, 5401.0, 5388.0, 5301.0, 5283.0, 5372.0, 5384.0, 5577.0, 5539.0, 5323.0, 5304.0, 5595.0, 5344.0, 5639.0, 5290.0, 5470.0, 5529.0, 5589.0, 5632.0, 5701.0, 5512.0, 5485.0, 5360.0, 5300.0, 5298.0, 5351.0, 5414.0, 5255.0, 5521.0, 5350.0, 5555.0, 5706.0, 5631.0, 5611.0, 5284.0, 5376.0, 5411.0, 5614.0, 5609.0, 5492.0, 5459.0, 5452.0, 5428.0, 5252.0, 5519.0, 5540.0, 5603.0, 5289.0, 5465.0, 5494.0, 5324.0, 5653.0, 5622.0, 5481.0, 5552.0, 5497.0, 5418.0, 5673.0, 5576.0, 5684.0, 5491.0 (number of hits: 11)
4	5510.0	9	1.0	333	1	5481.0, 5252.0, 5282.0, 5377.0, 5508.0, 5460.0, 5664.0, 5710.0, 5717.0, 5520.0, 5541.0, 5640.0, 5258.0, 5663.0, 5536.0, 5343.0, 5512.0, 5514.0, 5262.0, 5703.0, 5573.0, 5419.0, 5602.0, 5479.0, 5449.0, 5278.0, 5370.0, 5367.0, 5266.0, 5629.0, 5287.0, 5491.0, 5597.0, 5704.0, 5549.0, 5424.0, 5553.0, 5653.0, 5528.0, 5374.0, 5433.0, 5357.0, 5261.0, 5682.0, 5515.0, 5369.0, 5657.0, 5551.0, 5368.0, 5580.0, 5420.0, 5575.0, 5450.0, 5469.0, 5268.0, 5583.0, 5409.0, 5656.0, 5642.0, 5539.0, 5435.0, 5385.0, 5496.0, 5341.0, 5507.0, 5397.0, 5356.0, 5372.0, 5571.0, 5616.0, 5681.0, 5564.0, 5646.0, 5689.0, 5654.0, 5293.0, 5352.0, 5503.0, 5436.0, 5365.0, 5511.0, 5322.0, 5452.0, 5537.0, 5612.0, 5587.0, 5446.0, 5484.0, 5721.0, 5617.0, 5465.0, 5411.0, 5699.0, 5398.0, 5383.0, 5448.0, 5273.0, 5659.0, 5349.0, 5345.0 (number of hits: 11)
5	5510.0	9	1.0	333	1	5423.0, 5405.0, 5368.0, 5436.0, 5352.0, 5465.0, 5268.0, 5638.0, 5664.0, 5331.0, 5509.0, 5716.0, 5524.0, 5648.0, 5262.0, 5476.0, 5565.0, 5469.0, 5623.0, 5496.0, 5348.0, 5713.0, 5596.0, 5275.0, 5498.0, 5267.0, 5583.0, 5417.0, 5543.0, 5639.0, 5271.0, 5572.0, 5674.0, 5265.0, 5391.0, 5654.0, 5515.0, 5291.0, 5451.0, 5468.0, 5285.0, 5660.0, 5386.0, 5479.0, 5697.0, 5663.0, 5603.0, 5341.0, 5541.0, 5448.0, 5482.0, 5535.0, 5462.0, 5719.0, 5571.0, 5304.0, 5567.0, 5295.0, 5636.0, 5407.0, 5375.0, 5297.0, 5477.0,

						5461.0, 5418.0, 5408.0, 5633.0, 5690.0, 5532.0, 5702.0, 5680.0, 5658.0, 5389.0, 5554.0, 5274.0, 5307.0, 5611.0, 5279.0, 5626.0, 5595.0, 5683.0, 5460.0, 5434.0, 5661.0, 5290.0, 5315.0, 5259.0, 5594.0, 5720.0, 5620.0, 5449.0, 5367.0, 5266.0, 5353.0, 5538.0, 5684.0, 5264.0, 5308.0, 5522.0, 5705.0 (number of hits: 6)
6	5510.0	9	1.0	333	1	5431.0, 5430.0, 5656.0, 5706.0, 5303.0, 5720.0, 5494.0, 5655.0, 5468.0, 5521.0, 5509.0, 5433.0, 5696.0, 5592.0, 5601.0, 5571.0, 5263.0, 5465.0, 5594.0, 5579.0, 5297.0, 5508.0, 5440.0, 5558.0, 5607.0, 5314.0, 5392.0, 5452.0, 5544.0, 5313.0, 5650.0, 5648.0, 5406.0, 5271.0, 5260.0, 5563.0, 5581.0, 5278.0, 5441.0, 5557.0, 5390.0, 5395.0, 5612.0, 5345.0, 5662.0, 5637.0, 5376.0, 5488.0, 5541.0, 5628.0, 5410.0, 5340.0, 5479.0, 5518.0, 5660.0, 5267.0, 5474.0, 5630.0, 5273.0, 5342.0, 5714.0, 5442.0, 5366.0, 5675.0, 5349.0, 5712.0, 5279.0, 5534.0, 5378.0, 5512.0, 5641.0, 5347.0, 5429.0, 5490.0, 5291.0, 5664.0, 5311.0, 5421.0, 5317.0, 5294.0, 5555.0, 5448.0, 5451.0, 5667.0, 5407.0, 5596.0, 5386.0, 5344.0, 5580.0, 5358.0, 5298.0, 5447.0, 5565.0, 5669.0, 5350.0, 5708.0, 5484.0, 5614.0, 5524.0, 5616.0 (number of hits: 7)
7	5510.0	9	1.0	333	1	5527.0, 5555.0, 5430.0, 5551.0, 5320.0, 5701.0, 5681.0, 5355.0, 5560.0, 5517.0, 5428.0, 5399.0, 5371.0, 5364.0, 5708.0, 5716.0, 5674.0, 5635.0, 5473.0, 5668.0, 5502.0, 5460.0, 5258.0, 5498.0, 5286.0, 5438.0, 5692.0, 5499.0, 5263.0, 5564.0, 5336.0, 5670.0, 5667.0, 5459.0, 5515.0, 5624.0, 5382.0, 5595.0, 5717.0, 5475.0, 5476.0, 5471.0, 5580.0, 5686.0, 5534.0, 5285.0, 5326.0, 5444.0, 5375.0, 5389.0, 5443.0, 5584.0, 5619.0, 5332.0, 5684.0, 5671.0, 5358.0, 5417.0, 5525.0, 5599.0, 5414.0, 5547.0, 5718.0, 5384.0, 5353.0, 5598.0, 5714.0, 5287.0, 5328.0, 5533.0, 5264.0, 5267.0, 5615.0, 5487.0, 5634.0, 5610.0, 5664.0, 5257.0, 5665.0, 5360.0, 5614.0, 5363.0, 5678.0, 5370.0, 5429.0, 5297.0, 5280.0, 5661.0, 5548.0, 5448.0, 5289.0, 5462.0, 5383.0, 5568.0, 5510.0, 5291.0, 5261.0, 5254.0, 5279.0, 5640.0 (number of hits: 8)
8	5510.0	9	1.0	333	1	5440.0, 5352.0, 5669.0, 5298.0, 5375.0, 5550.0, 5555.0, 5345.0, 5382.0, 5269.0, 5573.0, 5478.0, 5289.0, 5430.0, 5714.0, 5363.0, 5670.0, 5705.0, 5638.0, 5590.0, 5356.0, 5335.0, 5600.0, 5575.0, 5481.0, 5477.0, 5426.0, 5408.0, 5715.0, 5297.0, 5465.0, 5544.0, 5334.0, 5414.0, 5672.0, 5452.0, 5303.0, 5350.0, 5326.0, 5436.0, 5605.0, 5663.0, 5459.0, 5716.0, 5310.0, 5484.0, 5624.0, 5616.0, 5394.0, 5615.0, 5577.0, 5270.0, 5494.0, 5349.0, 5279.0, 5648.0, 5287.0, 5541.0, 5675.0, 5393.0, 5418.0, 5328.0, 5645.0, 5403.0, 5330.0, 5678.0, 5305.0, 5572.0, 5540.0, 5536.0, 5551.0, 5438.0, 5292.0, 5657.0, 5697.0, 5391.0, 5664.0, 5294.0, 5434.0, 5532.0, 5574.0, 5463.0, 5680.0, 5318.0, 5537.0, 5596.0, 5475.0, 5427.0, 5474.0, 5384.0, 5379.0, 5498.0, 5519.0, 5410.0, 5347.0, 5567.0, 5558.0, 5589.0, 5253.0, 5402.0 (number of hits: 3)
9	5510.0	9	1.0	333	1	5267.0, 5533.0, 5634.0, 5599.0, 5702.0, 5256.0, 5376.0, 5554.0, 5409.0, 5604.0, 5346.0, 5426.0, 5254.0, 5418.0, 5527.0, 5648.0, 5265.0, 5273.0, 5328.0, 5587.0, 5672.0, 5667.0, 5416.0, 5581.0, 5339.0, 5454.0, 5361.0, 5625.0, 5551.0, 5520.0, 5689.0, 5291.0, 5315.0, 5620.0, 5304.0, 5610.0, 5313.0, 5463.0, 5553.0, 5502.0, 5493.0, 5476.0, 5601.0, 5559.0, 5356.0, 5363.0, 5611.0, 5441.0, 5479.0, 5531.0, 5352.0, 5343.0, 5540.0, 5664.0, 5637.0, 5615.0, 5449.0, 5675.0, 5326.0, 5276.0, 5436.0, 5450.0, 5605.0, 5309.0, 5354.0, 5570.0, 5423.0, 5258.0, 5505.0, 5387.0,

						5571.0, 5541.0, 5508.0, 5420.0, 5591.0, 5593.0, 5300.0, 5572.0, 5255.0, 5685.0, 5509.0, 5465.0, 5355.0, 5292.0, 5487.0, 5660.0, 5597.0, 5330.0, 5521.0, 5288.0, 5453.0, 5549.0, 5710.0, 5512.0, 5578.0, 5329.0, 5682.0, 5477.0, 5443.0, 5338.0 (number of hits: 9)
10	5510.0	9	1.0	333	1	5715.0, 5259.0, 5464.0, 5533.0, 5692.0, 5415.0, 5691.0, 5596.0, 5707.0, 5442.0, 5447.0, 5287.0, 5520.0, 5512.0, 5681.0, 5513.0, 5489.0, 5653.0, 5700.0, 5344.0, 5509.0, 5702.0, 5609.0, 5402.0, 5278.0, 5529.0, 5607.0, 5331.0, 5276.0, 5495.0, 5608.0, 5664.0, 5650.0, 5481.0, 5300.0, 5394.0, 5716.0, 5292.0, 5570.0, 5413.0, 5277.0, 5511.0, 5528.0, 5317.0, 5275.0, 5723.0, 5305.0, 5303.0, 5631.0, 5475.0, 5611.0, 5393.0, 5470.0, 5309.0, 5308.0, 5673.0, 5537.0, 5633.0, 5527.0, 5572.0, 5454.0, 5578.0, 5566.0, 5372.0, 5666.0, 5296.0, 5714.0, 5451.0, 5639.0, 5589.0, 5630.0, 5587.0, 5678.0, 5359.0, 5612.0, 5532.0, 5646.0, 5660.0, 5311.0, 5435.0, 5494.0, 5404.0, 5667.0, 5522.0, 5304.0, 5549.0, 5669.0, 5584.0, 5647.0, 5662.0, 5379.0, 5337.0, 5381.0, 5477.0, 5294.0, 5360.0, 5498.0, 5361.0, 5281.0, 5334.0 (number of hits: 11)
11	5510.0	9	1.0	333	1	5634.0, 5258.0, 5553.0, 5686.0, 5540.0, 5685.0, 5666.0, 5451.0, 5529.0, 5267.0, 5567.0, 5708.0, 5506.0, 5587.0, 5389.0, 5646.0, 5664.0, 5432.0, 5660.0, 5402.0, 5275.0, 5326.0, 5602.0, 5476.0, 5425.0, 5391.0, 5615.0, 5392.0, 5663.0, 5274.0, 5414.0, 5340.0, 5358.0, 5531.0, 5541.0, 5629.0, 5373.0, 5671.0, 5365.0, 5661.0, 5575.0, 5420.0, 5345.0, 5298.0, 5488.0, 5612.0, 5415.0, 5539.0, 5266.0, 5711.0, 5430.0, 5431.0, 5466.0, 5450.0, 5557.0, 5574.0, 5254.0, 5585.0, 5619.0, 5328.0, 5264.0, 5448.0, 5375.0, 5257.0, 5287.0, 5512.0, 5385.0, 5551.0, 5534.0, 5655.0, 5538.0, 5276.0, 5604.0, 5639.0, 5693.0, 5497.0, 5357.0, 5399.0, 5658.0, 5642.0, 5440.0, 5341.0, 5513.0, 5606.0, 5315.0, 5291.0, 5363.0, 5522.0, 5445.0, 5475.0, 5582.0, 5463.0, 5618.0, 5676.0, 5691.0, 5680.0, 5479.0, 5351.0, 5515.0, 5665.0 (number of hits: 6)
12	5510.0	9	1.0	333	1	5658.0, 5310.0, 5279.0, 5517.0, 5472.0, 5354.0, 5522.0, 5323.0, 5266.0, 5687.0, 5519.0, 5316.0, 5483.0, 5675.0, 5506.0, 5379.0, 5672.0, 5663.0, 5395.0, 5422.0, 5485.0, 5478.0, 5620.0, 5368.0, 5677.0, 5267.0, 5694.0, 5294.0, 5688.0, 5328.0, 5427.0, 5282.0, 5550.0, 5614.0, 5572.0, 5382.0, 5502.0, 5291.0, 5524.0, 5559.0, 5650.0, 5649.0, 5468.0, 5491.0, 5331.0, 5400.0, 5419.0, 5273.0, 5251.0, 5542.0, 5406.0, 5552.0, 5346.0, 5250.0, 5293.0, 5309.0, 5477.0, 5507.0, 5597.0, 5411.0, 5638.0, 5504.0, 5662.0, 5578.0, 5621.0, 5450.0, 5537.0, 5627.0, 5508.0, 5568.0, 5418.0, 5518.0, 5563.0, 5719.0, 5595.0, 5272.0, 5674.0, 5278.0, 5629.0, 5656.0, 5479.0, 5453.0, 5481.0, 5643.0, 5555.0, 5387.0, 5493.0, 5634.0, 5703.0, 5371.0, 5353.0, 5510.0, 5574.0, 5718.0, 5253.0, 5319.0, 5580.0, 5702.0, 5417.0, 5573.0 (number of hits: 13)
13	5510.0	9	1.0	333	1	5288.0, 5289.0, 5263.0, 5713.0, 5439.0, 5672.0, 5345.0, 5278.0, 5636.0, 5441.0, 5454.0, 5396.0, 5266.0, 5671.0, 5659.0, 5371.0, 5718.0, 5271.0, 5679.0, 5541.0, 5705.0, 5586.0, 5706.0, 5627.0, 5670.0, 5526.0, 5353.0, 5303.0, 5334.0, 5532.0, 5420.0, 5723.0, 5483.0, 5337.0, 5682.0, 5283.0, 5653.0, 5300.0, 5572.0, 5339.0, 5635.0, 5470.0, 5700.0, 5385.0, 5293.0, 5647.0, 5374.0, 5611.0, 5514.0, 5630.0, 5691.0, 5512.0, 5456.0, 5331.0, 5430.0, 5593.0, 5517.0, 5355.0, 5577.0, 5500.0, 5580.0, 5613.0, 5662.0, 5399.0, 5545.0, 5520.0, 5342.0, 5549.0, 5341.0, 5350.0, 5280.0, 5486.0, 5594.0, 5553.0, 5299.0, 5640.0, 5397.0,

						5508.0, 5650.0, 5313.0, 5391.0, 5352.0, 5669.0, 5665.0, 5478.0, 5633.0, 5361.0, 5416.0, 5407.0, 5668.0, 5609.0, 5698.0, 5489.0, 5297.0, 5257.0, 5531.0, 5722.0, 5623.0, 5589.0, 5686.0 (number of hits: 7)
14	5510.0	9	1.0	333	1	5721.0, 5360.0, 5334.0, 5606.0, 5294.0, 5326.0, 5465.0, 5661.0, 5472.0, 5511.0, 5373.0, 5409.0, 5564.0, 5539.0, 5251.0, 5540.0, 5586.0, 5484.0, 5263.0, 5455.0, 5497.0, 5469.0, 5290.0, 5304.0, 5401.0, 5502.0, 5663.0, 5685.0, 5696.0, 5673.0, 5711.0, 5581.0, 5672.0, 5628.0, 5512.0, 5280.0, 5292.0, 5531.0, 5547.0, 5552.0, 5621.0, 5337.0, 5318.0, 5698.0, 5635.0, 5659.0, 5724.0, 5331.0, 5607.0, 5507.0, 5353.0, 5272.0, 5697.0, 5338.0, 5377.0, 5622.0, 5419.0, 5656.0, 5523.0, 5641.0, 5274.0, 5488.0, 5389.0, 5681.0, 5702.0, 5669.0, 5364.0, 5352.0, 5651.0, 5708.0, 5339.0, 5482.0, 5285.0, 5400.0, 5435.0, 5340.0, 5392.0, 5421.0, 5577.0, 5478.0, 5707.0, 5528.0, 5518.0, 5307.0, 5542.0, 5551.0, 5372.0, 5572.0, 5687.0, 5631.0, 5464.0, 5310.0, 5390.0, 5269.0, 5466.0, 5649.0, 5329.0, 5391.0, 5556.0, 5499.0 (number of hits: 9)
15	5510.0	9	1.0	333	1	5351.0, 5655.0, 5364.0, 5481.0, 5515.0, 5567.0, 5461.0, 5393.0, 5535.0, 5520.0, 5559.0, 5291.0, 5261.0, 5573.0, 5671.0, 5619.0, 5318.0, 5498.0, 5429.0, 5411.0, 5496.0, 5440.0, 5418.0, 5508.0, 5358.0, 5699.0, 5310.0, 5330.0, 5253.0, 5518.0, 5622.0, 5473.0, 5478.0, 5391.0, 5548.0, 5293.0, 5402.0, 5334.0, 5437.0, 5460.0, 5295.0, 5510.0, 5553.0, 5631.0, 5680.0, 5317.0, 5629.0, 5359.0, 5399.0, 5297.0, 5338.0, 5450.0, 5371.0, 5462.0, 5512.0, 5280.0, 5353.0, 5303.0, 5298.0, 5621.0, 5562.0, 5378.0, 5335.0, 5713.0, 5400.0, 5312.0, 5625.0, 5689.0, 5551.0, 5336.0, 5563.0, 5626.0, 5323.0, 5276.0, 5319.0, 5445.0, 5630.0, 5539.0, 5649.0, 5313.0, 5598.0, 5517.0, 5274.0, 5403.0, 5455.0, 5489.0, 5255.0, 5433.0, 5676.0, 5693.0, 5561.0, 5613.0, 5385.0, 5444.0, 5696.0, 5442.0, 5365.0, 5285.0, 5541.0, 5587.0 (number of hits: 9)
16	5510.0	9	1.0	333	1	5279.0, 5543.0, 5667.0, 5661.0, 5289.0, 5427.0, 5625.0, 5521.0, 5650.0, 5452.0, 5535.0, 5549.0, 5281.0, 5250.0, 5715.0, 5599.0, 5604.0, 5351.0, 5448.0, 5689.0, 5583.0, 5619.0, 5459.0, 5499.0, 5258.0, 5688.0, 5580.0, 5628.0, 5453.0, 5723.0, 5573.0, 5711.0, 5367.0, 5560.0, 5556.0, 5437.0, 5576.0, 5461.0, 5418.0, 5408.0, 5602.0, 5597.0, 5428.0, 5538.0, 5319.0, 5614.0, 5642.0, 5691.0, 5303.0, 5320.0, 5311.0, 5720.0, 5519.0, 5415.0, 5525.0, 5422.0, 5264.0, 5607.0, 5620.0, 5449.0, 5405.0, 5566.0, 5353.0, 5421.0, 5536.0, 5403.0, 5699.0, 5470.0, 5695.0, 5545.0, 5268.0, 5410.0, 5454.0, 5387.0, 5680.0, 5672.0, 5555.0, 5714.0, 5256.0, 5442.0, 5414.0, 5376.0, 5396.0, 5675.0, 5552.0, 5433.0, 5391.0, 5484.0, 5567.0, 5388.0, 5314.0, 5462.0, 5409.0, 5621.0, 5683.0, 5463.0, 5632.0, 5450.0, 5703.0, 5668.0 (number of hits: 4)
17	5510.0	9	1.0	333	1	5313.0, 5565.0, 5606.0, 5391.0, 5661.0, 5447.0, 5652.0, 5404.0, 5496.0, 5482.0, 5461.0, 5302.0, 5581.0, 5355.0, 5552.0, 5453.0, 5402.0, 5396.0, 5319.0, 5614.0, 5258.0, 5625.0, 5330.0, 5263.0, 5669.0, 5501.0, 5487.0, 5378.0, 5314.0, 5446.0, 5256.0, 5593.0, 5476.0, 5458.0, 5428.0, 5570.0, 5612.0, 5609.0, 5308.0, 5561.0, 5599.0, 5718.0, 5480.0, 5342.0, 5569.0, 5290.0, 5536.0, 5594.0, 5613.0, 5357.0, 5421.0, 5359.0, 5318.0, 5684.0, 5541.0, 5568.0, 5623.0, 5588.0, 5567.0, 5310.0, 5443.0, 5712.0, 5387.0, 5700.0, 5340.0, 5610.0, 5630.0, 5252.0, 5286.0, 5545.0, 5502.0, 5284.0, 5376.0, 5572.0, 5392.0, 5713.0, 5393.0, 5692.0, 5463.0, 5459.0, 5703.0, 5559.0, 5649.0, 5542.0,

						5659.0, 5678.0, 5589.0, 5628.0, 5550.0, 5475.0, 5460.0, 5467.0, 5264.0, 5466.0, 5506.0, 5254.0, 5271.0, 5574.0, 5586.0, 5401.0 (number of hits: 4)
18	5510.0	9	1.0	333	1	5410.0, 5383.0, 5427.0, 5598.0, 5397.0, 5294.0, 5489.0, 5527.0, 5681.0, 5639.0, 5351.0, 5263.0, 5707.0, 5470.0, 5537.0, 5401.0, 5328.0, 5530.0, 5508.0, 5644.0, 5692.0, 5529.0, 5585.0, 5528.0, 5498.0, 5590.0, 5541.0, 5631.0, 5596.0, 5515.0, 5660.0, 5634.0, 5413.0, 5384.0, 5396.0, 5546.0, 5319.0, 5341.0, 5616.0, 5531.0, 5256.0, 5402.0, 5494.0, 5625.0, 5502.0, 5417.0, 5604.0, 5380.0, 5519.0, 5641.0, 5424.0, 5454.0, 5571.0, 5477.0, 5622.0, 5664.0, 5667.0, 5385.0, 5388.0, 5710.0, 5451.0, 5717.0, 5659.0, 5320.0, 5363.0, 5581.0, 5499.0, 5472.0, 5284.0, 5633.0, 5587.0, 5391.0, 5440.0, 5283.0, 5324.0, 5479.0, 5438.0, 5325.0, 5252.0, 5614.0, 5705.0, 5347.0, 5551.0, 5576.0, 5680.0, 5650.0, 5315.0, 5675.0, 5652.0, 5608.0, 5450.0, 5653.0, 5642.0, 5495.0, 5647.0, 5411.0, 5307.0, 5724.0, 5390.0, 5600.0 (number of hits: 10)
19	5510.0	9	1.0	333	1	5456.0, 5523.0, 5339.0, 5551.0, 5458.0, 5679.0, 5591.0, 5620.0, 5422.0, 5367.0, 5375.0, 5500.0, 5653.0, 5307.0, 5571.0, 5474.0, 5514.0, 5632.0, 5260.0, 5651.0, 5663.0, 5583.0, 5482.0, 5543.0, 5373.0, 5391.0, 5252.0, 5315.0, 5426.0, 5550.0, 5581.0, 5529.0, 5289.0, 5655.0, 5430.0, 5522.0, 5706.0, 5407.0, 5354.0, 5479.0, 5499.0, 5624.0, 5548.0, 5494.0, 5671.0, 5684.0, 5361.0, 5642.0, 5672.0, 5415.0, 5473.0, 5258.0, 5378.0, 5582.0, 5719.0, 5488.0, 5502.0, 5676.0, 5588.0, 5318.0, 5598.0, 5511.0, 5340.0, 5324.0, 5685.0, 5608.0, 5327.0, 5385.0, 5435.0, 5667.0, 5688.0, 5370.0, 5288.0, 5595.0, 5317.0, 5388.0, 5505.0, 5714.0, 5539.0, 5704.0, 5274.0, 5557.0, 5637.0, 5454.0, 5463.0, 5580.0, 5267.0, 5296.0, 5710.0, 5420.0, 5475.0, 5592.0, 5705.0, 5431.0, 5406.0, 5455.0, 5696.0, 5352.0, 5690.0, 5293.0 (number of hits: 9)
20	5510.0	9	1.0	333	1	5695.0, 5487.0, 5564.0, 5679.0, 5670.0, 5460.0, 5470.0, 5452.0, 5300.0, 5609.0, 5497.0, 5400.0, 5705.0, 5443.0, 5668.0, 5338.0, 5543.0, 5317.0, 5531.0, 5364.0, 5582.0, 5489.0, 5388.0, 5365.0, 5275.0, 5323.0, 5387.0, 5348.0, 5605.0, 5432.0, 5383.0, 5493.0, 5675.0, 5530.0, 5380.0, 5689.0, 5254.0, 5548.0, 5467.0, 5318.0, 5704.0, 5635.0, 5544.0, 5696.0, 5707.0, 5253.0, 5599.0, 5525.0, 5720.0, 5448.0, 5540.0, 5693.0, 5258.0, 5331.0, 5298.0, 5270.0, 5455.0, 5393.0, 5469.0, 5343.0, 5502.0, 5557.0, 5352.0, 5340.0, 5713.0, 5280.0, 5330.0, 5600.0, 5654.0, 5630.0, 5379.0, 5723.0, 5360.0, 5591.0, 5288.0, 5528.0, 5492.0, 5721.0, 5607.0, 5549.0, 5412.0, 5456.0, 5708.0, 5420.0, 5433.0, 5484.0, 5337.0, 5554.0, 5453.0, 5687.0, 5473.0, 5559.0, 5384.0, 5578.0, 5646.0, 5566.0, 5303.0, 5512.0, 5354.0, 5643.0 (number of hits: 7)
21	5510.0	9	1.0	333	1	5626.0, 5348.0, 5294.0, 5487.0, 5638.0, 5686.0, 5549.0, 5722.0, 5274.0, 5415.0, 5624.0, 5314.0, 5376.0, 5400.0, 5251.0, 5719.0, 5278.0, 5339.0, 5566.0, 5552.0, 5698.0, 5466.0, 5445.0, 5337.0, 5699.0, 5596.0, 5665.0, 5657.0, 5535.0, 5721.0, 5272.0, 5515.0, 5705.0, 5696.0, 5325.0, 5534.0, 5589.0, 5661.0, 5555.0, 5429.0, 5710.0, 5565.0, 5360.0, 5399.0, 5567.0, 5296.0, 5499.0, 5650.0, 5447.0, 5418.0, 5480.0, 5359.0, 5451.0, 5389.0, 5615.0, 5405.0, 5714.0, 5676.0, 5454.0, 5584.0, 5394.0, 5697.0, 5603.0, 5702.0, 5490.0, 5459.0, 5333.0, 5618.0, 5470.0, 5311.0, 5717.0, 5532.0, 5516.0, 5541.0, 5263.0, 5655.0, 5544.0, 5449.0, 5672.0, 5410.0, 5563.0, 5558.0, 5579.0, 5701.0, 5461.0, 5327.0, 5354.0, 5442.0, 5662.0, 5431.0, 5675.0,

						5502.0, 5378.0, 5521.0, 5594.0, 5336.0, 5536.0, 5692.0, 5593.0, 5599.0 (number of hits: 5)
22	5510.0	9	1.0	333	1	5507.0, 5613.0, 5495.0, 5330.0, 5323.0, 5366.0, 5378.0, 5404.0, 5399.0, 5297.0, 5440.0, 5573.0, 5526.0, 5548.0, 5307.0, 5607.0, 5631.0, 5473.0, 5294.0, 5350.0, 5678.0, 5604.0, 5596.0, 5489.0, 5713.0, 5496.0, 5661.0, 5494.0, 5389.0, 5642.0, 5370.0, 5443.0, 5533.0, 5395.0, 5288.0, 5694.0, 5413.0, 5292.0, 5457.0, 5480.0, 5319.0, 5621.0, 5271.0, 5581.0, 5453.0, 5500.0, 5637.0, 5301.0, 5363.0, 5415.0, 5393.0, 5490.0, 5615.0, 5606.0, 5461.0, 5566.0, 5424.0, 5682.0, 5356.0, 5527.0, 5501.0, 5651.0, 5287.0, 5430.0, 5346.0, 5369.0, 5464.0, 5381.0, 5382.0, 5512.0, 5531.0, 5704.0, 5425.0, 5593.0, 5448.0, 5379.0, 5407.0, 5401.0, 5273.0, 5296.0, 5414.0, 5706.0, 5674.0, 5521.0, 5262.0, 5509.0, 5519.0, 5267.0, 5328.0, 5618.0, 5679.0, 5702.0, 5254.0, 5654.0, 5559.0, 5362.0, 5343.0, 5449.0, 5281.0, 5556.0 (number of hits: 12)
23	5510.0	9	1.0	333	1	5498.0, 5314.0, 5376.0, 5308.0, 5440.0, 5702.0, 5472.0, 5565.0, 5263.0, 5396.0, 5489.0, 5522.0, 5671.0, 5699.0, 5450.0, 5692.0, 5331.0, 5614.0, 5335.0, 5584.0, 5593.0, 5575.0, 5305.0, 5288.0, 5257.0, 5389.0, 5427.0, 5717.0, 5402.0, 5351.0, 5683.0, 5253.0, 5561.0, 5354.0, 5434.0, 5610.0, 5294.0, 5309.0, 5656.0, 5643.0, 5424.0, 5349.0, 5387.0, 5708.0, 5718.0, 5398.0, 5623.0, 5405.0, 5691.0, 5298.0, 5476.0, 5709.0, 5632.0, 5645.0, 5306.0, 5369.0, 5421.0, 5475.0, 5382.0, 5350.0, 5425.0, 5663.0, 5491.0, 5672.0, 5346.0, 5321.0, 5495.0, 5696.0, 5430.0, 5622.0, 5384.0, 5447.0, 5704.0, 5669.0, 5283.0, 5359.0, 5621.0, 5366.0, 5652.0, 5684.0, 5660.0, 5686.0, 5571.0, 5679.0, 5456.0, 5276.0, 5348.0, 5537.0, 5357.0, 5307.0, 5715.0, 5619.0, 5566.0, 5668.0, 5506.0, 5576.0, 5250.0, 5448.0, 5418.0, 5577.0 (number of hits: 5)
24	5510.0	9	1.0	333	1	5658.0, 5363.0, 5676.0, 5498.0, 5326.0, 5595.0, 5260.0, 5664.0, 5262.0, 5522.0, 5621.0, 5339.0, 5330.0, 5265.0, 5508.0, 5709.0, 5533.0, 5477.0, 5437.0, 5336.0, 5385.0, 5719.0, 5367.0, 5567.0, 5321.0, 5677.0, 5394.0, 5548.0, 5721.0, 5263.0, 5453.0, 5587.0, 5279.0, 5359.0, 5256.0, 5272.0, 5261.0, 5306.0, 5411.0, 5284.0, 5648.0, 5315.0, 5267.0, 5574.0, 5599.0, 5458.0, 5373.0, 5578.0, 5471.0, 5252.0, 5661.0, 5633.0, 5406.0, 5646.0, 5388.0, 5340.0, 5674.0, 5343.0, 5516.0, 5266.0, 5683.0, 5556.0, 5416.0, 5386.0, 5282.0, 5632.0, 5421.0, 5617.0, 5622.0, 5442.0, 5488.0, 5675.0, 5603.0, 5626.0, 5275.0, 5445.0, 5480.0, 5679.0, 5629.0, 5329.0, 5378.0, 5510.0, 5491.0, 5432.0, 5376.0, 5693.0, 5555.0, 5290.0, 5524.0, 5389.0, 5397.0, 5419.0, 5582.0, 5706.0, 5353.0, 5606.0, 5486.0, 5354.0, 5549.0, 5512.0 (number of hits: 8)
25	5510.0	9	1.0	333	1	5261.0, 5572.0, 5533.0, 5641.0, 5645.0, 5331.0, 5606.0, 5587.0, 5333.0, 5474.0, 5381.0, 5459.0, 5524.0, 5601.0, 5566.0, 5346.0, 5558.0, 5371.0, 5480.0, 5650.0, 5370.0, 5319.0, 5457.0, 5508.0, 5281.0, 5502.0, 5620.0, 5712.0, 5426.0, 5594.0, 5465.0, 5399.0, 5407.0, 5308.0, 5622.0, 5711.0, 5632.0, 5351.0, 5289.0, 5662.0, 5678.0, 5412.0, 5562.0, 5375.0, 5498.0, 5486.0, 5529.0, 5579.0, 5718.0, 5431.0, 5316.0, 5630.0, 5631.0, 5380.0, 5332.0, 5260.0, 5496.0, 5304.0, 5660.0, 5415.0, 5467.0, 5506.0, 5301.0, 5358.0, 5636.0, 5437.0, 5634.0, 5526.0, 5315.0, 5270.0, 5329.0, 5674.0, 5441.0, 5571.0, 5469.0, 5599.0, 5278.0, 5511.0, 5596.0, 5379.0, 5284.0, 5453.0, 5489.0, 5701.0, 5720.0, 5481.0, 5434.0, 5686.0, 5265.0, 5654.0, 5374.0, 5588.0, 5397.0, 5327.0, 5361.0, 5463.0, 5390.0, 5657.0,

						5694.0, 5436.0 (number of hits: 8)
26	5510.0	9	1.0	333	1	5704.0, 5560.0, 5280.0, 5321.0, 5421.0, 5289.0, 5632.0, 5274.0, 5520.0, 5669.0, 5465.0, 5542.0, 5483.0, 5509.0, 5338.0, 5331.0, 5536.0, 5623.0, 5414.0, 5503.0, 5717.0, 5317.0, 5386.0, 5353.0, 5588.0, 5307.0, 5531.0, 5684.0, 5516.0, 5464.0, 5368.0, 5343.0, 5260.0, 5293.0, 5373.0, 5281.0, 5561.0, 5351.0, 5426.0, 5709.0, 5700.0, 5707.0, 5609.0, 5428.0, 5387.0, 5344.0, 5451.0, 5335.0, 5333.0, 5518.0, 5439.0, 5303.0, 5337.0, 5618.0, 5670.0, 5502.0, 5602.0, 5288.0, 5295.0, 5627.0, 5671.0, 5706.0, 5438.0, 5515.0, 5675.0, 5677.0, 5523.0, 5372.0, 5512.0, 5412.0, 5487.0, 5296.0, 5411.0, 5328.0, 5310.0, 5501.0, 5334.0, 5587.0, 5535.0, 5252.0, 5571.0, 5269.0, 5417.0, 5529.0, 5499.0, 5312.0, 5486.0, 5495.0, 5273.0, 5393.0, 5634.0, 5639.0, 5652.0, 5563.0, 5566.0, 5477.0, 5614.0, 5456.0, 5654.0, 5662.0 (number of hits: 12)
27	5510.0	9	1.0	333	1	5637.0, 5372.0, 5385.0, 5266.0, 5669.0, 5283.0, 5724.0, 5287.0, 5636.0, 5612.0, 5454.0, 5265.0, 5557.0, 5533.0, 5676.0, 5503.0, 5473.0, 5510.0, 5505.0, 5337.0, 5535.0, 5540.0, 5426.0, 5300.0, 5579.0, 5698.0, 5448.0, 5412.0, 5293.0, 5316.0, 5512.0, 5606.0, 5433.0, 5643.0, 5480.0, 5534.0, 5688.0, 5678.0, 5253.0, 5470.0, 5342.0, 5702.0, 5432.0, 5493.0, 5693.0, 5528.0, 5708.0, 5474.0, 5663.0, 5482.0, 5467.0, 5334.0, 5274.0, 5692.0, 5690.0, 5524.0, 5453.0, 5577.0, 5548.0, 5671.0, 5532.0, 5553.0, 5502.0, 5445.0, 5485.0, 5645.0, 5468.0, 5638.0, 5408.0, 5314.0, 5523.0, 5309.0, 5290.0, 5647.0, 5707.0, 5382.0, 5660.0, 5345.0, 5276.0, 5387.0, 5642.0, 5301.0, 5600.0, 5478.0, 5552.0, 5421.0, 5601.0, 5640.0, 5392.0, 5543.0, 5494.0, 5555.0, 5567.0, 5596.0, 5261.0, 5409.0, 5602.0, 5633.0, 5632.0, 5396.0 (number of hits: 10)
28	5510.0	9	1.0	333	1	5617.0, 5677.0, 5619.0, 5359.0, 5330.0, 5682.0, 5277.0, 5403.0, 5265.0, 5424.0, 5376.0, 5539.0, 5538.0, 5514.0, 5422.0, 5463.0, 5594.0, 5299.0, 5628.0, 5707.0, 5393.0, 5542.0, 5355.0, 5695.0, 5307.0, 5335.0, 5452.0, 5263.0, 5646.0, 5549.0, 5675.0, 5547.0, 5590.0, 5673.0, 5705.0, 5466.0, 5605.0, 5282.0, 5612.0, 5562.0, 5390.0, 5399.0, 5272.0, 5340.0, 5401.0, 5688.0, 5691.0, 5458.0, 5429.0, 5653.0, 5678.0, 5501.0, 5358.0, 5457.0, 5649.0, 5670.0, 5323.0, 5511.0, 5426.0, 5318.0, 5689.0, 5329.0, 5480.0, 5352.0, 5714.0, 5479.0, 5680.0, 5413.0, 5431.0, 5532.0, 5510.0, 5347.0, 5703.0, 5588.0, 5525.0, 5437.0, 5364.0, 5583.0, 5283.0, 5598.0, 5445.0, 5560.0, 5567.0, 5391.0, 5629.0, 5609.0, 5698.0, 5563.0, 5565.0, 5343.0, 5526.0, 5630.0, 5627.0, 5524.0, 5251.0, 5315.0, 5357.0, 5346.0, 5417.0, 5553.0 (number of hits: 7)
29	5510.0	9	1.0	333	1	5723.0, 5488.0, 5566.0, 5567.0, 5454.0, 5515.0, 5286.0, 5690.0, 5414.0, 5338.0, 5419.0, 5331.0, 5318.0, 5560.0, 5290.0, 5606.0, 5354.0, 5529.0, 5623.0, 5275.0, 5367.0, 5573.0, 5406.0, 5581.0, 5265.0, 5659.0, 5408.0, 5618.0, 5334.0, 5633.0, 5443.0, 5280.0, 5447.0, 5669.0, 5585.0, 5687.0, 5311.0, 5291.0, 5699.0, 5316.0, 5487.0, 5494.0, 5426.0, 5251.0, 5266.0, 5492.0, 5648.0, 5483.0, 5288.0, 5671.0, 5595.0, 5313.0, 5641.0, 5565.0, 5255.0, 5333.0, 5489.0, 5278.0, 5437.0, 5269.0, 5557.0, 5279.0, 5520.0, 5366.0, 5655.0, 5656.0, 5479.0, 5382.0, 5411.0, 5472.0, 5434.0, 5369.0, 5276.0, 5651.0, 5427.0, 5554.0, 5643.0, 5642.0, 5538.0, 5473.0, 5610.0, 5257.0, 5320.0, 5386.0, 5686.0, 5599.0, 5457.0, 5693.0, 5715.0, 5362.0, 5392.0, 5589.0, 5627.0, 5260.0, 5380.0, 5496.0, 5710.0, 5504.0, 5371.0, 5389.0 (number of hits: 6)

30	5510.0	9	1.0	333	1	5506.0, 5299.0, 5389.0, 5302.0, 5498.0, 5368.0, 5560.0, 5349.0, 5690.0, 5449.0, 5538.0, 5604.0, 5531.0, 5294.0, 5290.0, 5620.0, 5377.0, 5411.0, 5694.0, 5437.0, 5509.0, 5300.0, 5480.0, 5692.0, 5583.0, 5342.0, 5393.0, 5489.0, 5475.0, 5569.0, 5598.0, 5611.0, 5548.0, 5651.0, 5639.0, 5666.0, 5407.0, 5656.0, 5617.0, 5422.0, 5260.0, 5392.0, 5479.0, 5505.0, 5586.0, 5387.0, 5398.0, 5361.0, 5494.0, 5341.0, 5638.0, 5276.0, 5395.0, 5524.0, 5536.0, 5328.0, 5684.0, 5329.0, 5543.0, 5670.0, 5457.0, 5595.0, 5426.0, 5324.0, 5713.0, 5514.0, 5706.0, 5517.0, 5629.0, 5550.0, 5703.0, 5281.0, 5307.0, 5570.0, 5637.0, 5336.0, 5251.0, 5623.0, 5444.0, 5382.0, 5677.0, 5317.0, 5262.0, 5504.0, 5396.0, 5646.0, 5413.0, 5448.0, 5450.0, 5547.0, 5603.0, 5315.0, 5686.0, 5359.0, 5320.0, 5564.0, 5644.0, 5610.0, 5288.0, 5663.0 (number of hits: 9)

P2MP Mode
Cobalt Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	76.7 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	90 %	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	67	1.0	798	1
2	76	1.0	698	1
3	78	1.0	678	1
4	74	1.0	718	0
5	61	1.0	878	1
6	83	1.0	638	1
7	72	1.0	738	1
8	58	1.0	918	1
9	81	1.0	658	1
10	92	1.0	578	1
11	68	1.0	778	1
12	18	1.0	3066	1
13	59	1.0	898	1
14	86	1.0	618	1
15	63	1.0	838	1
16	33	1.0	1640	1
17	18	1.0	3008	0
18	33	1.0	1603	1
19	19	1.0	2863	1
20	21	1.0	2608	1
21	21	1.0	2626	1
22	70	1.0	764	1
23	41	1.0	1314	1
24	85	1.0	625	1
25	70	1.0	754	1
26	63	1.0	842	1
27	19	1.0	2853	1
28	39	1.0	1363	1
29	41	1.0	1289	1
30	36	1.0	1473	1
Detection Percentage: 93.3 % (>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	28	1.3	174	1
2	23	3.5	205	1
3	26	1.2	200	1
4	27	3.2	191	1
5	24	3.5	167	1
6	28	2.6	178	1
7	26	2.8	213	1
8	26	4.1	224	1
9	25	4.3	188	1
10	28	2.8	160	0
11	26	1.4	152	1
12	27	4.3	177	1
13	27	2.4	181	0
14	25	4.6	204	1
15	24	2.0	155	1
16	26	4.3	198	1
17	28	4.8	157	1
18	23	1.8	195	0
19	28	2.3	184	1
20	28	3.7	193	1
21	28	4.1	191	1
22	25	1.8	206	1
23	25	1.4	190	1
24	29	4.7	174	1
25	26	4.0	190	1
26	25	3.3	208	1
27	23	4.2	192	1
28	23	3.0	152	1
29	26	4.4	207	1
30	28	4.0	167	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	9.1	435	1
2	16	7.0	470	1
3	18	10.0	412	1
4	17	8.4	231	1
5	17	7.8	308	1
6	16	9.1	387	1
7	17	8.4	412	1
8	17	6.8	285	1
9	17	9.9	233	1
10	16	6.7	297	1
11	16	7.3	351	0
12	17	9.9	263	1
13	18	7.5	360	0
14	17	7.4	293	1
15	17	7.2	468	1
16	17	8.4	374	1
17	17	7.6	492	0
18	18	9.5	276	1
19	17	9.1	461	1
20	18	8.2	429	0
21	18	8.3	360	1
22	16	8.8	246	0
23	16	8.6	212	1
24	16	8.6	462	0
25	16	6.3	278	1
26	18	7.9	319	0
27	17	8.7	287	1
28	18	9.3	322	1
29	16	6.9	334	1
30	17	7.8	437	1
Detection Percentage: 76.7 % (>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	16	16.6	432	1
2	12	11.9	266	1
3	15	17.1	457	1
4	14	13.9	226	1
5	13	13.8	403	0
6	13	18.6	449	1
7	12	17.2	348	1
8	12	13.1	240	1
9	13	15.8	332	1
10	16	17.2	462	1
11	15	13.8	399	0
12	13	13.0	399	1
13	14	13.7	291	1
14	16	11.4	223	1
15	16	14.8	471	1
16	16	14.7	339	1
17	13	14.3	500	0
18	13	14.2	267	1
19	12	11.1	485	1
20	13	11.0	279	1
21	13	12.8	429	1
22	14	15.2	449	1
23	15	17.0	425	1
24	14	18.3	299	1
25	16	16.0	313	0
26	12	17.5	340	1
27	12	11.4	413	1
28	14	19.0	263	1
29	13	18.4	309	1
30	13	15.0	482	1
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5496.7	1
12	5496.3	1
13	5498.3	1
14	5498.7	1
15	5497.5	1
16	5498.7	1
17	5496.3	1
18	5494.7	1
19	5495.1	1
20	5495.5	1
21	5564.5	1
22	5560.9	1
23	5565.7	1
24	5564.1	1
25	5564.5	1
26	5565.3	1
27	5563.3	1
28	5560.9	1
29	5565.7	1
30	5561.7	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	2	7	83.5	1239		0.332723	
1	2	7	87.0	1605		0.743585	
2	2	7	89.2	1215		1.753201	
3	2	7	87.4	1683		2.460691	
4	1	7	65.0			3.144795	
5	2	7	56.8	1408		3.159477	
6	2	7	92.6	1706		4.329218	
7	1	7	86.8			4.831849	
8	3	7	52.1	1676	1086	5.105672	
9	3	7	65.5	1832	1657	6.058879	1
10	1	7	81.4			6.569725	
11	3	7	68.6	1824	1084	7.092719	
12	3	7	85.0	1717	1507	7.624308	
13	1	7	84.0			8.354662	
14	2	7	89.2	1222		9.380049	
15	2	7	77.1	1959		9.760323	
16	3	7	99.0	1165	1946	10.624744	
17	3	7	88.0	1330	1718	10.885041	
18	1	7	78.5			11.802913	

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	13	76.6			0.525679	
1	2	13	68.4	1173		1.388292	
2	1	13	85.2			2.588393	
3	2	13	64.5	1188		3.052557	
4	2	13	98.3	1343		4.023261	
5	3	13	65.9	1988	1552	4.689805	
6	1	13	61.1			5.988217	1
7	3	13	71.5	1302	1591	6.627349	
8	2	13	52.8	1022		7.984519	
9	3	13	78.1	1325	1843	9.064736	
10	3	13	86.5	1725	1087	9.534653	
11	2	13	66.8	1494		10.673669	
12	2	13	87.0	1120		11.948419	

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	82.7			0.819389	1
1	1	8	66.5			1.610135	
2	2	8	98.1	1488		2.460872	
3	3	8	70.9	1367	1229	3.744907	
4	2	8	72.2	1603		4.524856	
5	2	8	87.0	1996		6.350755	
6	1	8	57.4			7.372020	
7	1	8	50.1			8.281447	
8	2	8	99.7	1567		9.074656	
9	1	8	66.2			9.913504	
10	2	8	88.8	1979		11.513059	

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	9	59.9	1136		0.083251	1
1	1	9	88.3			1.265918	
2	1	9	71.7			3.253293	
3	1	9	90.8			4.185151	
4	2	9	88.8	1654		4.982954	
5	3	9	50.9	1870	1997	5.483959	
6	2	9	80.8	1205		6.839259	
7	1	9	64.1			7.836809	
8	3	9	51.3	1777	1649	9.106421	
9	3	9	67.9	1083	1140	10.872328	
10	1	9	80.9			11.786583	

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	15	70.2			0.588296	1
1	2	15	94.7	1798		0.976925	
2	3	15	92.1	1691	1596	1.674701	
3	2	15	51.3	1100		2.676106	
4	2	15	56.1	1333		3.295974	
5	3	15	82.2	1001	1609	4.212950	
6	2	15	52.2	1342		4.922594	
7	3	15	90.9	1314	1600	5.899336	
8	1	15	94.9			6.124971	
9	3	15	50.3	1204	1237	7.182010	
10	1	15	55.1			7.927215	
11	3	15	54.8	1591	1610	8.580025	
12	2	15	55.8	1928		9.452987	
13	2	15	74.9	1872		10.450824	
14	3	15	57.5	1816	1807	10.585076	
15	1	15	87.9			11.840592	

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	80.7	1762		0.315075	1
1	3	7	98.9	1560	1418	0.947933	
2	2	7	63.0	1232		2.179637	
3	1	7	64.1			2.658024	
4	1	7	60.1			3.605921	
5	2	7	61.7	1622		3.964768	
6	2	7	64.8	1600		5.243696	
7	1	7	97.4			5.267223	
8	3	7	71.4	1040	1832	6.194075	
9	1	7	63.5			6.842599	
10	2	7	84.2	1864		7.973042	
11	1	7	78.0			8.936254	
12	1	7	68.4			9.459341	
13	2	7	78.3	1619		9.793444	
14	3	7	55.9	1496	1599	10.869905	
15	2	7	89.0	1656		11.796737	

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	85.3	1905		0.539531	1
1	2	8	98.9	1360		1.222145	
2	3	8	71.4	1023	1032	1.974455	
3	2	8	63.4	1366		2.709265	
4	2	8	97.1	1339		3.800563	
5	3	8	76.2	1096	1666	4.621494	
6	2	8	95.7	1906		5.554991	
7	2	8	86.9	1121		6.272800	
8	3	8	75.3	1811	1237	7.295168	
9	3	8	99.5	1547	1114	7.774483	
10	2	8	79.0	1445		9.405882	
11	1	8	66.9			10.260129	
12	1	8	95.7			10.405873	
13	3	8	75.3	1084	1343	11.473702	

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	55.3	1693		0.333981	1
1	1	14	78.0			1.109123	
2	2	14	93.5	1810		1.831953	
3	3	14	58.9	1406	1818	2.350383	
4	3	14	82.8	1787	1903	2.918159	
5	3	14	83.6	1149	1713	3.549684	
6	2	14	80.7	1894		4.406728	
7	1	14	68.8			4.467527	
8	3	14	86.6	1275	1642	5.087200	
9	2	14	79.1	1941		6.294650	
10	1	14	55.7			6.400381	
11	2	14	93.9	1347		7.512687	
12	2	14	71.7	1256		7.718025	
13	3	14	66.6	1095	1494	8.761237	
14	1	14	89.1			8.993712	
15	2	14	81.0	1360		9.798903	
16	2	14	63.9	1576		10.351959	
17	2	14	70.0	1215		10.884186	
18	3	14	81.7	1704	1949	11.522427	

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	9	91.4	1179		0.509814	
1	2	9	57.4	1579		1.214425	
2	1	9	64.9			1.744538	
3	3	9	99.6	1293	1497	2.130467	
4	3	9	51.6	1726	1811	2.882923	
5	2	9	84.3	1218		4.010339	
6	3	9	99.6	1304	1923	4.410476	
7	1	9	64.2			5.597130	
8	1	9	89.7			6.275580	1
9	3	9	82.1	1783	1170	6.569569	
10	2	9	54.6	1389		7.574052	
11	2	9	52.1	1426		8.348817	
12	2	9	82.3	1024		8.842345	
13	2	9	67.2	1939		9.720327	
14	2	9	52.3	1036		9.924598	
15	2	9	93.8	1017		10.658888	
16	2	9	89.7	1712		11.507600	

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	10	72.5			0.358281	
1	2	10	55.9	1949		1.129311	
2	1	10	54.2			1.438104	
3	3	10	63.8	1649	1788	2.470215	
4	3	10	77.9	1346	1242	2.600740	
5	3	10	53.9	1259	1056	3.490565	
6	2	10	55.7	1771		4.299159	
7	2	10	60.0	1390		4.492262	
8	3	10	61.2	1991	1432	5.104641	
9	2	10	75.9	1992		5.772938	1
10	3	10	79.5	1296	1344	6.765530	
11	2	10	81.0	1775		7.374508	
12	2	10	98.0	1063		8.148772	
13	3	10	63.6	1975	1524	8.219917	
14	2	10	57.8	1700		9.341401	
15	3	10	57.0	1089	1453	9.986233	
16	2	10	72.6	1651		10.673234	
17	2	10	53.4	1360		11.327667	
18	2	10	51.1	1448		11.633507	

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	13	82.7	1126	1497	0.595867	
1	1	13	54.5			0.880000	
2	2	13	62.0	1044		1.564214	
3	2	13	66.6	1331		2.613598	
4	1	13	81.5			3.211107	
5	1	13	67.8			4.189974	
6	3	13	94.6	1925	1366	4.575044	
7	1	13	87.8			5.067674	
8	2	13	82.3	1358		6.322760	1
9	1	13	76.7			6.946037	
10	1	13	52.3			7.449130	
11	2	13	50.8	1026		8.021803	
12	2	13	55.3	1224		8.549767	
13	2	13	81.9	1264		9.530948	
14	2	13	86.1	1200		10.084044	
15	3	13	72.8	1225	1937	11.206006	
16	1	13	72.6			11.903506	

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	12	82.8			0.933551	
1	2	12	83.3	1152		1.461772	
2	1	12	57.0			2.141545	
3	2	12	74.9	1316		3.023025	
4	3	12	89.3	1294	1807	4.666078	
5	2	12	84.8	1830		5.985116	1
6	2	12	71.5	1182		6.718180	
7	1	12	85.9			7.314171	
8	2	12	82.1	1856		8.905032	
9	2	12	99.0	1463		9.142593	
10	2	12	65.2	1858		10.953709	
11	2	12	54.9	1644		11.719509	

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	17	79.0			0.041418	1
1	2	17	59.8	1517		1.470047	
2	1	17	60.1			2.027751	
3	3	17	81.2	1685	1261	3.130849	
4	2	17	91.4	1035		4.106018	
5	1	17	78.7			5.021802	
6	2	17	90.6	1993		5.409927	
7	1	17	60.9			6.549991	
8	1	17	90.2			7.090023	
9	1	17	65.9			7.972540	
10	3	17	69.5	1541	1627	8.606115	
11	2	17	60.1	1531		9.531437	
12	3	17	90.2	1671	1740	10.524659	
13	2	17	89.4	1538		11.191988	

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	69.7	1506		0.278645	1
1	2	18	53.4	1699		0.973385	
2	2	18	80.9	1892		1.927923	
3	1	18	72.2			2.874376	
4	2	18	81.9	1853		3.814371	
5	3	18	53.0	1422	1469	4.218325	
6	2	18	95.0	1867		5.311232	
7	2	18	99.3	1804		6.392873	
8	2	18	67.7	1161		6.818309	
9	3	18	80.6	1715	1522	7.213765	
10	3	18	72.0	1370	1922	8.298233	
11	2	18	71.3	1967		9.342537	
12	2	18	50.2	1005		10.263384	
13	3	18	81.9	1394	1639	10.421191	
14	2	18	61.8	1899		11.567187	

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	15	64.8	1644		0.138952	
1	1	15	93.1			2.086162	
2	1	15	63.9			3.019976	
3	1	15	72.0			3.451429	
4	2	15	58.7	1271		4.424158	
5	3	15	91.6	1508	1134	6.037176	1
6	1	15	99.5			7.334919	
7	3	15	74.0	1731	1807	7.819413	
8	2	15	88.2	1525		9.058496	
9	2	15	77.0	1853		10.725806	
10	3	15	98.0	1567	1587	11.490004	

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	18	82.3	1677	1735	0.471484	
1	2	18	79.2	1409		0.675419	
2	2	18	77.6	1865		1.899578	
3	2	18	51.0	1144		2.509505	
4	2	18	86.7	1578		2.786689	
5	3	18	92.6	1234	1221	3.583397	
6	2	18	57.6	1023		4.461476	
7	1	18	52.7			4.821360	
8	1	18	59.4			5.733374	
9	1	18	89.2			6.580197	1
10	2	18	64.2	1227		6.941553	
11	2	18	67.2	1260		7.603284	
12	2	18	76.6	1814		8.073836	
13	2	18	73.4	1994		9.297444	
14	3	18	70.1	1155	1553	9.979905	
15	2	18	78.9	1160		10.507816	
16	1	18	95.2			10.899137	
17	2	18	51.5	1677		11.471815	

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	12	68.1	1346		0.136417	
1	2	12	91.6	1960		1.220303	
2	1	12	82.1			1.770359	
3	3	12	60.7	1727	1595	2.741116	
4	3	12	51.5	1940	1269	3.018814	
5	2	12	63.3	1906		4.269376	
6	2	12	53.8	1296		4.674064	
7	1	12	74.8			5.355881	
8	3	12	59.5	1678	1991	6.166703	1
9	2	12	66.3	1566		6.842160	
10	1	12	80.7			7.687782	
11	2	12	64.4	1516		8.480009	
12	3	12	99.2	1041	1225	9.042669	
13	2	12	77.3	1564		9.889948	
14	1	12	93.3			10.686253	
15	3	12	68.5	1055	1433	11.523730	

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	8	51.3	1279		0.647148	
1	3	8	75.0	1919	1311	0.928379	
2	3	8	92.0	1060	1783	1.685154	
3	2	8	65.0	1597		2.371109	
4	2	8	61.8	1474		3.272962	
5	1	8	62.1			4.156345	
6	3	8	80.1	1522	1869	4.654373	
7	2	8	62.0	1506		5.094591	
8	2	8	55.0	1501		6.187408	1
9	3	8	60.7	1474	1598	6.604790	
10	1	8	73.4			7.675102	
11	1	8	56.5			8.203962	
12	2	8	77.6	1475		8.946119	
13	2	8	68.0	1490		9.495040	
14	1	8	51.0			10.128363	
15	2	8	52.6	1530		11.247681	
16	3	8	91.6	1245	1160	11.791410	

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	74.2	1068		0.279421	
1	2	9	73.8	1502		0.714082	
2	3	9	91.1	1947	1373	1.287052	
3	2	9	81.3	1764		1.943531	
4	2	9	99.2	1617		2.702976	
5	2	9	53.0	1017		3.575840	
6	2	9	58.0	1057		3.761526	
7	2	9	90.2	1865		4.271135	
8	3	9	58.9	1832	1423	4.962783	
9	2	9	50.4	1091		5.705564	
10	1	9	81.4			6.061868	1
11	2	9	83.8	1540		6.835395	
12	1	9	70.0			7.659195	
13	1	9	68.3			8.371936	
14	1	9	90.9			8.971240	
15	1	9	65.5			9.174297	
16	2	9	53.0	1991		10.096881	
17	2	9	68.2	1781		10.581164	
18	1	9	91.8			11.225073	
19	2	9	76.8	1348		11.673263	

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	10	72.0	1182	1351	0.405306	
1	1	10	84.8			1.457663	
2	1	10	97.2			1.622668	
3	3	10	70.7	1622	1467	2.437337	
4	2	10	96.7	1366		3.470107	
5	2	10	97.4	1463		4.604356	
6	2	10	60.5	1246		4.884659	
7	3	10	58.3	1149	1423	5.998296	1
8	3	10	70.7	1174	1411	6.721917	
9	1	10	60.6			7.950332	
10	2	10	83.4	1146		8.096091	
11	2	10	86.4	1371		9.225261	
12	1	10	76.1			9.657684	
13	2	10	77.7	1409		10.803531	
14	3	10	81.5	1480	1286	11.478378	

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	10	96.7	1192	1614	0.606020	1
1	2	10	71.1	1266		0.884694	
2	3	10	91.6	1486	1899	2.161177	
3	2	10	79.9	1573		2.519800	
4	2	10	68.5	1486		3.097400	
5	1	10	85.6			4.155859	
6	2	10	72.2	1061		4.870982	
7	2	10	96.0	1936		5.789395	
8	2	10	73.9	1689		6.644715	
9	1	10	79.6			7.474254	
10	2	10	64.2	1494		7.641764	
11	2	10	91.8	1440		8.745739	
12	1	10	62.0			9.194959	
13	3	10	53.5	1959	1525	10.174630	
14	1	10	58.3			10.554986	
15	2	10	88.8	1722		11.749600	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	72.7	1595		0.469060	1
1	1	19	93.5			1.935630	
2	2	19	93.7	1425		2.700799	
3	2	19	53.1	1801		3.487837	
4	2	19	84.2	1720		5.160804	
5	2	19	80.3	1035		6.398417	
6	2	19	79.5	1096		7.184864	
7	2	19	72.7	1988		7.758513	
8	2	19	85.4	1805		9.218048	
9	2	19	54.7	1908		10.875499	
10	1	19	58.6			11.651499	

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	97.5	1565	1438	0.130716	1
1	1	7	92.4			1.553807	
2	3	7	81.0	1172	1584	2.582188	
3	3	7	86.1	1277	1904	3.926952	
4	3	7	89.6	1911	1080	4.625103	
5	3	7	62.5	1484	1521	5.943931	
6	2	7	50.5	1544		6.061527	
7	1	7	83.3			7.978818	
8	3	7	66.3	1984	1876	8.382519	
9	2	7	83.0	1689		9.583313	
10	2	7	68.5	1925		10.469670	
11	2	7	76.9	1028		11.885700	

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	75.7	1176		0.113238	1
1	2	11	79.5	1520		1.718974	
2	2	11	64.4	1744		1.849247	
3	1	11	54.4			3.061292	
4	2	11	64.0	1388		4.442998	
5	3	11	80.4	1981	1342	5.022779	
6	2	11	63.9	1115		5.550084	
7	2	11	51.6	1089		7.123173	
8	1	11	54.5			8.125388	
9	2	11	81.5	1081		8.443959	
10	2	11	67.3	1273		9.901704	
11	3	11	59.0	1861	1585	10.402268	
12	2	11	76.7	1603		11.922630	

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	10	70.6	1346		0.667090	1
1	2	10	65.9	1769		1.739914	
2	2	10	68.7	1215		2.723743	
3	3	10	90.5	1021	1569	3.767979	
4	2	10	53.9	1445		4.159499	
5	2	10	71.1	1339		5.694990	
6	3	10	58.8	1829	1511	6.397425	
7	2	10	96.3	1755		7.177415	
8	2	10	54.2	1118		8.152838	
9	1	10	57.0			9.337041	
10	3	10	83.8	1426	1176	10.267505	
11	3	10	91.1	1008	1392	11.050931	

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	8	74.9	1614		0.483352	1
1	2	8	64.0	1967		1.909397	
2	3	8	99.6	1288	1648	3.180878	
3	2	8	91.2	1197		3.777677	
4	3	8	76.8	1968	1715	5.491510	
5	1	8	88.9			7.185492	
6	3	8	66.1	1327	1636	7.415817	
7	2	8	95.1	1010		8.755178	
8	3	8	84.9	1948	1250	10.340942	
9	1	8	75.8			10.914661	

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	50.1	1904		0.640967	1
1	2	13	86.6	1568		1.790642	
2	3	13	61.4	1748	1338	2.541116	
3	2	13	93.8	1081		4.649369	
4	3	13	53.4	1162	1677	5.781460	
5	2	13	54.0	1709		6.561076	
6	3	13	83.6	1930	1565	7.869463	
7	2	13	74.1	1279		9.314477	
8	2	13	68.0	1092		10.605159	
9	2	13	58.0	1381		11.819938	

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	19	82.6	1886	1459	0.905838	
1	3	19	63.0	1795	1834	2.167485	
2	2	19	84.4	1277		2.975324	
3	2	19	93.7	1483		3.406648	
4	3	19	90.9	1419	1325	4.586558	
5	1	19	64.9			5.728313	1
6	2	19	66.0	1408		7.242891	
7	2	19	72.9	1111		7.776712	
8	1	19	91.7			9.047826	
9	2	19	84.3	1217		10.566714	
10	2	19	67.0	1989		10.979966	

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	82.6	1089		0.417779	
1	2	7	92.0	1936		1.151929	
2	3	7	52.2	1559	1851	1.808942	
3	3	7	89.7	1149	1369	2.070885	
4	2	7	92.2	1409		2.666592	
5	2	7	89.7	1342		3.402538	
6	2	7	94.6	1972		3.990729	
7	2	7	81.6	1097		5.035449	
8	3	7	76.8	1405	1668	5.326122	
9	1	7	61.8			5.698475	1
10	2	7	80.2	1159		6.727874	
11	1	7	59.8			7.005857	
12	2	7	65.2	1034		7.791287	
13	3	7	52.7	1108	1992	8.456102	
14	2	7	68.8	1678		9.068437	
15	2	7	86.6	1739		9.797869	
16	3	7	65.5	1561	1720	10.639727	
17	2	7	89.1	1387		10.825998	
18	1	7	92.3			11.559625	

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	75.8	1481		1.151318	1
1	3	17	93.7	1655	1668	1.584149	
2	2	17	55.4	1556		2.454998	
3	2	17	95.4	1541		4.496343	
4	3	17	97.7	1983	1485	5.696776	
5	2	17	85.4	1698		7.152228	
6	2	17	85.5	1069		8.219216	
7	3	17	66.6	1628	1631	8.945650	
8	2	17	94.3	1745		9.644119	
9	3	17	83.0	1497	1873	11.982200	

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	5389.0, 5592.0, 5491.0, 5684.0, 5634.0, 5432.0, 5587.0, 5450.0, 5371.0, 5573.0, 5253.0, 5380.0, 5366.0, 5364.0, 5625.0, 5551.0, 5535.0, 5284.0, 5640.0, 5311.0, 5377.0, 5710.0, 5466.0, 5350.0, 5369.0, 5531.0, 5541.0, 5509.0, 5338.0, 5316.0, 5661.0, 5668.0, 5713.0, 5599.0, 5575.0, 5342.0, 5542.0, 5301.0, 5281.0, 5569.0, 5518.0, 5631.0, 5697.0, 5459.0, 5502.0, 5712.0, 5343.0, 5405.0, 5659.0, 5622.0, 5530.0, 5532.0, 5499.0, 5671.0, 5298.0, 5680.0, 5264.0, 5330.0, 5702.0, 5660.0, 5714.0, 5556.0, 5494.0, 5699.0, 5283.0, 5425.0, 5527.0, 5566.0, 5693.0, 5307.0, 5252.0, 5313.0, 5289.0, 5528.0, 5448.0, 5420.0, 5365.0, 5692.0, 5290.0, 5423.0, 5691.0, 5419.0, 5613.0, 5637.0, 5583.0, 5627.0, 5370.0, 5718.0, 5555.0, 5270.0, 5626.0, 5572.0, 5709.0, 5688.0, 5500.0, 5254.0, 5441.0, 5574.0, 5590.0, 5584.0 (number of hits: 18)
2	5530.0	9	1.0	333	1	5530.0, 5642.0, 5404.0, 5523.0, 5318.0, 5365.0, 5534.0, 5597.0, 5591.0, 5713.0, 5390.0, 5451.0, 5454.0, 5501.0, 5637.0, 5278.0, 5355.0, 5348.0, 5623.0, 5584.0, 5550.0, 5477.0, 5668.0, 5354.0, 5675.0, 5467.0, 5718.0, 5424.0, 5703.0, 5445.0, 5560.0, 5396.0, 5447.0, 5564.0, 5375.0, 5295.0, 5589.0, 5723.0, 5359.0, 5422.0, 5250.0, 5509.0, 5372.0, 5691.0, 5486.0, 5688.0, 5566.0, 5289.0, 5285.0, 5617.0, 5460.0, 5657.0, 5485.0, 5503.0, 5613.0, 5540.0, 5462.0, 5284.0, 5425.0, 5678.0, 5558.0, 5324.0, 5682.0, 5563.0, 5423.0, 5701.0, 5596.0, 5512.0, 5414.0, 5408.0, 5626.0, 5262.0, 5406.0, 5378.0, 5515.0, 5317.0, 5646.0, 5417.0, 5389.0, 5694.0, 5483.0, 5709.0, 5283.0, 5525.0, 5595.0, 5367.0, 5294.0, 5312.0, 5624.0, 5601.0, 5671.0, 5430.0, 5526.0, 5291.0, 5506.0, 5583.0, 5394.0, 5286.0, 5578.0, 5421.0 (number of hits: 18)
3	5530.0	9	1.0	333	1	5591.0, 5509.0, 5331.0, 5614.0, 5712.0, 5586.0, 5396.0, 5673.0, 5277.0, 5438.0, 5577.0, 5497.0, 5289.0, 5683.0, 5613.0, 5553.0, 5437.0, 5443.0, 5342.0, 5605.0, 5477.0, 5692.0, 5254.0, 5621.0, 5436.0, 5381.0, 5588.0, 5263.0, 5598.0, 5287.0, 5325.0, 5674.0, 5721.0, 5385.0, 5539.0, 5680.0, 5459.0, 5569.0, 5468.0, 5305.0, 5346.0, 5482.0, 5638.0, 5379.0, 5410.0, 5574.0, 5307.0, 5398.0, 5299.0, 5665.0, 5608.0, 5498.0, 5501.0, 5441.0, 5371.0, 5603.0, 5251.0, 5655.0, 5582.0, 5267.0, 5575.0, 5358.0, 5684.0, 5672.0, 5416.0, 5633.0, 5630.0, 5517.0, 5376.0, 5585.0, 5607.0, 5447.0, 5556.0, 5268.0, 5507.0, 5293.0, 5413.0, 5538.0, 5399.0, 5260.0, 5404.0, 5667.0, 5493.0, 5520.0, 5348.0, 5484.0, 5469.0, 5463.0, 5690.0, 5478.0, 5678.0, 5631.0, 5359.0, 5687.0, 5544.0, 5476.0, 5526.0, 5576.0, 5411.0, 5625.0 (number of hits: 14)
4	5530.0	9	1.0	333	1	5296.0, 5438.0, 5337.0, 5717.0, 5429.0, 5664.0, 5613.0, 5454.0, 5570.0, 5723.0, 5542.0, 5339.0, 5659.0, 5331.0, 5645.0, 5317.0, 5641.0, 5394.0, 5298.0, 5640.0, 5346.0, 5428.0, 5378.0, 5675.0, 5698.0, 5481.0, 5377.0, 5263.0, 5692.0, 5694.0, 5319.0, 5573.0, 5587.0, 5558.0, 5520.0, 5380.0, 5443.0, 5716.0, 5472.0, 5668.0, 5433.0, 5630.0, 5710.0, 5619.0, 5325.0, 5487.0, 5571.0, 5713.0, 5422.0, 5707.0, 5395.0, 5547.0, 5515.0, 5384.0, 5442.0, 5420.0, 5590.0, 5671.0, 5415.0, 5453.0, 5392.0, 5370.0, 5604.0, 5530.0, 5437.0, 5533.0, 5705.0, 5304.0, 5656.0, 5706.0,

						5381.0, 5507.0, 5385.0, 5266.0, 5665.0, 5302.0, 5538.0, 5299.0, 5354.0, 5704.0, 5504.0, 5475.0, 5564.0, 5411.0, 5290.0, 5608.0, 5307.0, 5638.0, 5551.0, 5303.0, 5288.0, 5293.0, 5424.0, 5660.0, 5477.0, 5513.0, 5281.0, 5269.0, 5323.0, 5277.0 (number of hits: 13)
5	5530.0	9	1.0	333	1	5593.0, 5664.0, 5706.0, 5665.0, 5440.0, 5430.0, 5603.0, 5566.0, 5345.0, 5488.0, 5688.0, 5609.0, 5334.0, 5619.0, 5712.0, 5504.0, 5605.0, 5708.0, 5556.0, 5516.0, 5311.0, 5260.0, 5454.0, 5396.0, 5318.0, 5480.0, 5298.0, 5505.0, 5422.0, 5612.0, 5414.0, 5280.0, 5428.0, 5350.0, 5423.0, 5568.0, 5684.0, 5527.0, 5671.0, 5607.0, 5415.0, 5333.0, 5631.0, 5506.0, 5642.0, 5697.0, 5711.0, 5256.0, 5720.0, 5625.0, 5570.0, 5374.0, 5482.0, 5429.0, 5392.0, 5375.0, 5528.0, 5477.0, 5698.0, 5460.0, 5305.0, 5646.0, 5588.0, 5721.0, 5267.0, 5719.0, 5507.0, 5574.0, 5616.0, 5544.0, 5431.0, 5289.0, 5704.0, 5578.0, 5587.0, 5553.0, 5276.0, 5351.0, 5535.0, 5472.0, 5419.0, 5464.0, 5442.0, 5579.0, 5546.0, 5701.0, 5312.0, 5340.0, 5476.0, 5275.0, 5330.0, 5352.0, 5493.0, 5263.0, 5478.0, 5363.0, 5441.0, 5273.0, 5402.0, 5490.0 (number of hits: 14)
6	5530.0	9	1.0	333	1	5445.0, 5293.0, 5659.0, 5665.0, 5673.0, 5702.0, 5695.0, 5403.0, 5515.0, 5617.0, 5281.0, 5517.0, 5260.0, 5417.0, 5653.0, 5658.0, 5385.0, 5721.0, 5451.0, 5478.0, 5345.0, 5459.0, 5560.0, 5331.0, 5446.0, 5690.0, 5359.0, 5254.0, 5462.0, 5381.0, 5720.0, 5642.0, 5619.0, 5458.0, 5400.0, 5692.0, 5564.0, 5568.0, 5290.0, 5476.0, 5329.0, 5343.0, 5326.0, 5546.0, 5277.0, 5506.0, 5555.0, 5252.0, 5463.0, 5573.0, 5491.0, 5500.0, 5576.0, 5420.0, 5666.0, 5499.0, 5325.0, 5434.0, 5548.0, 5604.0, 5650.0, 5638.0, 5480.0, 5722.0, 5468.0, 5307.0, 5471.0, 5668.0, 5294.0, 5580.0, 5583.0, 5635.0, 5410.0, 5707.0, 5647.0, 5396.0, 5538.0, 5586.0, 5349.0, 5493.0, 5407.0, 5365.0, 5457.0, 5630.0, 5705.0, 5348.0, 5414.0, 5424.0, 5601.0, 5622.0, 5645.0, 5461.0, 5710.0, 5566.0, 5278.0, 5530.0, 5379.0, 5386.0, 5449.0, 5454.0 (number of hits: 14)
7	5530.0	9	1.0	333	1	5656.0, 5607.0, 5326.0, 5489.0, 5365.0, 5253.0, 5497.0, 5356.0, 5686.0, 5452.0, 5663.0, 5389.0, 5593.0, 5641.0, 5696.0, 5350.0, 5422.0, 5367.0, 5263.0, 5355.0, 5548.0, 5287.0, 5627.0, 5361.0, 5455.0, 5531.0, 5481.0, 5659.0, 5679.0, 5345.0, 5454.0, 5668.0, 5547.0, 5666.0, 5368.0, 5347.0, 5545.0, 5685.0, 5429.0, 5442.0, 5487.0, 5403.0, 5557.0, 5381.0, 5438.0, 5516.0, 5378.0, 5592.0, 5309.0, 5692.0, 5510.0, 5582.0, 5437.0, 5409.0, 5546.0, 5689.0, 5617.0, 5375.0, 5640.0, 5613.0, 5320.0, 5272.0, 5386.0, 5514.0, 5467.0, 5426.0, 5532.0, 5498.0, 5711.0, 5704.0, 5563.0, 5494.0, 5677.0, 5306.0, 5588.0, 5261.0, 5397.0, 5358.0, 5327.0, 5700.0, 5468.0, 5298.0, 5638.0, 5655.0, 5305.0, 5471.0, 5682.0, 5505.0, 5288.0, 5427.0, 5705.0, 5628.0, 5519.0, 5464.0, 5285.0, 5475.0, 5654.0, 5405.0, 5541.0, 5433.0 (number of hits: 17)
8	5530.0	9	1.0	333	1	5600.0, 5422.0, 5472.0, 5506.0, 5263.0, 5431.0, 5580.0, 5509.0, 5413.0, 5492.0, 5668.0, 5282.0, 5474.0, 5633.0, 5266.0, 5272.0, 5545.0, 5475.0, 5517.0, 5708.0, 5399.0, 5620.0, 5387.0, 5469.0, 5665.0, 5675.0, 5598.0, 5379.0, 5279.0, 5493.0, 5394.0, 5577.0, 5339.0, 5550.0, 5443.0, 5639.0, 5345.0, 5540.0, 5690.0, 5567.0, 5329.0, 5251.0, 5722.0, 5491.0, 5508.0, 5692.0, 5548.0, 5401.0, 5270.0, 5649.0, 5691.0, 5559.0, 5314.0, 5677.0, 5473.0, 5476.0, 5627.0, 5673.0, 5498.0, 5304.0, 5292.0, 5404.0, 5680.0, 5376.0, 5569.0, 5381.0, 5539.0, 5724.0, 5436.0, 5723.0, 5310.0, 5646.0, 5283.0, 5574.0, 5635.0, 5710.0, 5281.0,

						5420.0, 5709.0, 5328.0, 5527.0, 5342.0, 5713.0, 5613.0, 5579.0, 5674.0, 5544.0, 5562.0, 5497.0, 5326.0, 5714.0, 5348.0, 5702.0, 5556.0, 5522.0, 5273.0, 5464.0, 5584.0, 5524.0, 5260.0 (number of hits: 21)
9	5530.0	9	1.0	333	0	
10	5530.0	9	1.0	333	1	5640.0, 5472.0, 5598.0, 5624.0, 5680.0, 5393.0, 5586.0, 5719.0, 5654.0, 5348.0, 5276.0, 5683.0, 5542.0, 5503.0, 5335.0, 5321.0, 5414.0, 5408.0, 5375.0, 5669.0, 5521.0, 5560.0, 5519.0, 5358.0, 5475.0, 5459.0, 5663.0, 5511.0, 5400.0, 5463.0, 5600.0, 5484.0, 5367.0, 5562.0, 5703.0, 5295.0, 5368.0, 5684.0, 5633.0, 5329.0, 5317.0, 5705.0, 5606.0, 5415.0, 5385.0, 5342.0, 5513.0, 5467.0, 5468.0, 5678.0, 5256.0, 5296.0, 5533.0, 5649.0, 5482.0, 5579.0, 5659.0, 5442.0, 5628.0, 5613.0, 5338.0, 5507.0, 5283.0, 5371.0, 5645.0, 5426.0, 5290.0, 5548.0, 5346.0, 5254.0, 5651.0, 5561.0, 5419.0, 5300.0, 5359.0, 5528.0, 5524.0, 5322.0, 5653.0, 5320.0, 5318.0, 5397.0, 5664.0, 5428.0, 5405.0, 5573.0, 5292.0, 5587.0, 5504.0, 5658.0, 5543.0, 5319.0, 5455.0, 5411.0, 5581.0, 5718.0, 5583.0, 5682.0, 5399.0, 5523.0 (number of hits: 17)
11	5530.0	9	1.0	333	1	5717.0, 5303.0, 5503.0, 5467.0, 5342.0, 5378.0, 5436.0, 5511.0, 5659.0, 5477.0, 5502.0, 5521.0, 5364.0, 5396.0, 5472.0, 5644.0, 5479.0, 5449.0, 5338.0, 5516.0, 5292.0, 5443.0, 5481.0, 5526.0, 5638.0, 5427.0, 5311.0, 5254.0, 5635.0, 5331.0, 5555.0, 5476.0, 5593.0, 5667.0, 5322.0, 5599.0, 5285.0, 5629.0, 5319.0, 5685.0, 5309.0, 5692.0, 5570.0, 5458.0, 5722.0, 5660.0, 5283.0, 5410.0, 5703.0, 5507.0, 5711.0, 5315.0, 5662.0, 5335.0, 5486.0, 5250.0, 5639.0, 5387.0, 5566.0, 5284.0, 5381.0, 5343.0, 5268.0, 5563.0, 5614.0, 5401.0, 5527.0, 5510.0, 5345.0, 5274.0, 5340.0, 5368.0, 5528.0, 5524.0, 5313.0, 5344.0, 5611.0, 5643.0, 5293.0, 5704.0, 5438.0, 5653.0, 5706.0, 5336.0, 5328.0, 5347.0, 5669.0, 5625.0, 5664.0, 5701.0, 5252.0, 5716.0, 5723.0, 5407.0, 5670.0, 5523.0, 5482.0, 5372.0, 5650.0, 5348.0 (number of hits: 15)
12	5530.0	9	1.0	333	1	5455.0, 5505.0, 5597.0, 5572.0, 5716.0, 5435.0, 5302.0, 5490.0, 5299.0, 5476.0, 5713.0, 5312.0, 5536.0, 5427.0, 5567.0, 5612.0, 5635.0, 5660.0, 5624.0, 5349.0, 5616.0, 5329.0, 5695.0, 5405.0, 5344.0, 5529.0, 5648.0, 5480.0, 5284.0, 5461.0, 5526.0, 5684.0, 5556.0, 5474.0, 5438.0, 5403.0, 5723.0, 5296.0, 5309.0, 5356.0, 5590.0, 5615.0, 5507.0, 5357.0, 5288.0, 5316.0, 5416.0, 5628.0, 5674.0, 5266.0, 5515.0, 5557.0, 5651.0, 5263.0, 5417.0, 5608.0, 5370.0, 5672.0, 5459.0, 5431.0, 5359.0, 5420.0, 5330.0, 5630.0, 5561.0, 5661.0, 5497.0, 5638.0, 5363.0, 5705.0, 5535.0, 5342.0, 5301.0, 5538.0, 5369.0, 5472.0, 5464.0, 5652.0, 5367.0, 5636.0, 5715.0, 5289.0, 5325.0, 5633.0, 5549.0, 5493.0, 5306.0, 5332.0, 5697.0, 5261.0, 5543.0, 5553.0, 5548.0, 5607.0, 5565.0, 5422.0, 5504.0, 5286.0, 5350.0, 5399.0 (number of hits: 20)
13	5530.0	9	1.0	333	1	5666.0, 5580.0, 5640.0, 5620.0, 5703.0, 5299.0, 5253.0, 5622.0, 5645.0, 5316.0, 5601.0, 5428.0, 5315.0, 5518.0, 5255.0, 5297.0, 5585.0, 5685.0, 5491.0, 5396.0, 5298.0, 5628.0, 5541.0, 5587.0, 5521.0, 5691.0, 5688.0, 5527.0, 5429.0, 5543.0, 5386.0, 5565.0, 5343.0, 5286.0, 5724.0, 5427.0, 5436.0, 5313.0, 5624.0, 5504.0, 5277.0, 5533.0, 5497.0, 5515.0, 5425.0, 5633.0, 5714.0, 5655.0, 5602.0, 5657.0, 5319.0, 5636.0, 5416.0, 5441.0, 5563.0, 5612.0, 5326.0, 5270.0, 5469.0, 5700.0, 5411.0, 5679.0, 5282.0, 5652.0, 5268.0, 5699.0, 5536.0, 5493.0, 5446.0, 5263.0, 5712.0, 5444.0, 5513.0, 5597.0, 5323.0, 5642.0, 5546.0,

						5626.0, 5338.0, 5680.0, 5588.0, 5295.0, 5505.0, 5260.0, 5459.0, 5681.0, 5443.0, 5414.0, 5345.0, 5399.0, 5540.0, 5501.0, 5352.0, 5317.0, 5720.0, 5305.0, 5340.0, 5646.0, 5468.0, 5267.0 (number of hits: 18)
14	5530.0	9	1.0	333	1	5654.0, 5373.0, 5498.0, 5467.0, 5567.0, 5524.0, 5414.0, 5290.0, 5637.0, 5663.0, 5359.0, 5402.0, 5493.0, 5722.0, 5676.0, 5692.0, 5445.0, 5638.0, 5448.0, 5384.0, 5590.0, 5594.0, 5642.0, 5551.0, 5358.0, 5649.0, 5298.0, 5539.0, 5307.0, 5451.0, 5410.0, 5586.0, 5323.0, 5471.0, 5426.0, 5720.0, 5333.0, 5520.0, 5598.0, 5483.0, 5287.0, 5291.0, 5441.0, 5656.0, 5694.0, 5724.0, 5535.0, 5362.0, 5339.0, 5312.0, 5508.0, 5681.0, 5457.0, 5578.0, 5365.0, 5318.0, 5449.0, 5511.0, 5356.0, 5580.0, 5331.0, 5497.0, 5431.0, 5266.0, 5388.0, 5376.0, 5560.0, 5587.0, 5575.0, 5611.0, 5394.0, 5397.0, 5455.0, 5585.0, 5469.0, 5280.0, 5261.0, 5324.0, 5262.0, 5538.0, 5604.0, 5554.0, 5548.0, 5706.0, 5525.0, 5440.0, 5474.0, 5564.0, 5610.0, 5289.0, 5515.0, 5443.0, 5453.0, 5309.0, 5278.0, 5486.0, 5350.0, 5589.0, 5411.0, 5633.0 (number of hits: 18)
15	5530.0	9	1.0	333	1	5634.0, 5274.0, 5600.0, 5630.0, 5428.0, 5723.0, 5595.0, 5680.0, 5530.0, 5296.0, 5403.0, 5523.0, 5645.0, 5427.0, 5547.0, 5653.0, 5405.0, 5306.0, 5281.0, 5315.0, 5272.0, 5260.0, 5491.0, 5294.0, 5377.0, 5429.0, 5261.0, 5337.0, 5706.0, 5505.0, 5620.0, 5564.0, 5369.0, 5450.0, 5701.0, 5402.0, 5328.0, 5387.0, 5624.0, 5289.0, 5695.0, 5423.0, 5677.0, 5711.0, 5273.0, 5349.0, 5365.0, 5485.0, 5502.0, 5452.0, 5513.0, 5495.0, 5343.0, 5540.0, 5410.0, 5572.0, 5398.0, 5284.0, 5326.0, 5652.0, 5541.0, 5441.0, 5341.0, 5521.0, 5445.0, 5586.0, 5259.0, 5555.0, 5594.0, 5709.0, 5591.0, 5444.0, 5621.0, 5602.0, 5516.0, 5308.0, 5310.0, 5325.0, 5660.0, 5698.0, 5422.0, 5313.0, 5417.0, 5639.0, 5580.0, 5317.0, 5559.0, 5649.0, 5483.0, 5581.0, 5471.0, 5643.0, 5433.0, 5567.0, 5314.0, 5432.0, 5506.0, 5537.0, 5716.0, 5437.0 (number of hits: 17)
16	5530.0	9	1.0	333	1	5646.0, 5556.0, 5718.0, 5482.0, 5453.0, 5377.0, 5373.0, 5342.0, 5724.0, 5290.0, 5679.0, 5595.0, 5356.0, 5415.0, 5536.0, 5612.0, 5650.0, 5265.0, 5284.0, 5649.0, 5257.0, 5334.0, 5621.0, 5628.0, 5683.0, 5401.0, 5421.0, 5329.0, 5419.0, 5541.0, 5361.0, 5498.0, 5408.0, 5587.0, 5327.0, 5687.0, 5458.0, 5298.0, 5393.0, 5340.0, 5553.0, 5610.0, 5274.0, 5320.0, 5410.0, 5267.0, 5324.0, 5606.0, 5697.0, 5545.0, 5662.0, 5664.0, 5503.0, 5474.0, 5461.0, 5655.0, 5413.0, 5304.0, 5677.0, 5414.0, 5717.0, 5709.0, 5527.0, 5264.0, 5300.0, 5530.0, 5307.0, 5542.0, 5611.0, 5392.0, 5667.0, 5435.0, 5417.0, 5268.0, 5533.0, 5309.0, 5429.0, 5596.0, 5629.0, 5430.0, 5345.0, 5448.0, 5558.0, 5253.0, 5398.0, 5353.0, 5431.0, 5538.0, 5447.0, 5291.0, 5567.0, 5425.0, 5495.0, 5375.0, 5575.0, 5633.0, 5326.0, 5521.0, 5578.0, 5710.0 (number of hits: 16)
17	5530.0	9	1.0	333	1	5468.0, 5348.0, 5345.0, 5506.0, 5705.0, 5665.0, 5417.0, 5703.0, 5675.0, 5315.0, 5352.0, 5502.0, 5706.0, 5408.0, 5333.0, 5649.0, 5289.0, 5475.0, 5277.0, 5267.0, 5471.0, 5292.0, 5258.0, 5676.0, 5629.0, 5536.0, 5349.0, 5489.0, 5697.0, 5721.0, 5311.0, 5265.0, 5507.0, 5448.0, 5559.0, 5597.0, 5363.0, 5627.0, 5701.0, 5455.0, 5650.0, 5302.0, 5602.0, 5670.0, 5370.0, 5556.0, 5606.0, 5540.0, 5281.0, 5353.0, 5415.0, 5617.0, 5440.0, 5592.0, 5657.0, 5389.0, 5294.0, 5464.0, 5337.0, 5432.0, 5487.0, 5564.0, 5463.0, 5635.0, 5639.0, 5563.0, 5321.0, 5416.0, 5405.0, 5663.0, 5344.0, 5314.0, 5279.0, 5588.0, 5297.0, 5356.0, 5444.0, 5648.0, 5495.0, 5704.0, 5708.0, 5307.0, 5519.0, 5480.0,

						5323.0, 5505.0, 5712.0, 5257.0, 5595.0, 5551.0, 5685.0, 5516.0, 5274.0, 5379.0, 5439.0, 5492.0, 5566.0, 5541.0, 5334.0, 5517.0 (number of hits: 18)
18	5530.0	9	1.0	333	1	5271.0, 5582.0, 5652.0, 5359.0, 5518.0, 5703.0, 5550.0, 5722.0, 5645.0, 5661.0, 5593.0, 5479.0, 5492.0, 5386.0, 5489.0, 5580.0, 5470.0, 5260.0, 5514.0, 5528.0, 5364.0, 5666.0, 5510.0, 5313.0, 5499.0, 5682.0, 5484.0, 5474.0, 5667.0, 5497.0, 5665.0, 5404.0, 5253.0, 5519.0, 5434.0, 5565.0, 5438.0, 5432.0, 5402.0, 5374.0, 5540.0, 5314.0, 5663.0, 5696.0, 5483.0, 5556.0, 5678.0, 5418.0, 5334.0, 5280.0, 5292.0, 5545.0, 5569.0, 5331.0, 5464.0, 5576.0, 5491.0, 5337.0, 5388.0, 5611.0, 5329.0, 5257.0, 5513.0, 5648.0, 5601.0, 5315.0, 5610.0, 5585.0, 5348.0, 5309.0, 5275.0, 5555.0, 5326.0, 5718.0, 5638.0, 5417.0, 5634.0, 5546.0, 5351.0, 5646.0, 5256.0, 5607.0, 5395.0, 5409.0, 5594.0, 5439.0, 5606.0, 5296.0, 5408.0, 5527.0, 5649.0, 5327.0, 5508.0, 5622.0, 5505.0, 5486.0, 5300.0, 5376.0, 5261.0, 5259.0 (number of hits: 19)
19	5530.0	9	1.0	333	1	5645.0, 5551.0, 5258.0, 5583.0, 5461.0, 5481.0, 5443.0, 5697.0, 5488.0, 5505.0, 5475.0, 5722.0, 5513.0, 5694.0, 5693.0, 5609.0, 5691.0, 5448.0, 5721.0, 5675.0, 5332.0, 5666.0, 5407.0, 5382.0, 5679.0, 5465.0, 5283.0, 5466.0, 5503.0, 5683.0, 5349.0, 5414.0, 5412.0, 5402.0, 5622.0, 5620.0, 5398.0, 5394.0, 5651.0, 5472.0, 5356.0, 5497.0, 5646.0, 5516.0, 5413.0, 5478.0, 5390.0, 5251.0, 5509.0, 5323.0, 5499.0, 5644.0, 5404.0, 5432.0, 5450.0, 5405.0, 5525.0, 5396.0, 5624.0, 5676.0, 5381.0, 5703.0, 5281.0, 5595.0, 5351.0, 5460.0, 5510.0, 5617.0, 5502.0, 5296.0, 5486.0, 5329.0, 5602.0, 5506.0, 5605.0, 5410.0, 5648.0, 5576.0, 5562.0, 5298.0, 5483.0, 5534.0, 5686.0, 5677.0, 5477.0, 5579.0, 5629.0, 5348.0, 5713.0, 5445.0, 5357.0, 5717.0, 5386.0, 5285.0, 5439.0, 5371.0, 5572.0, 5376.0, 5618.0, 5250.0 (number of hits: 14)
20	5530.0	9	1.0	333	1	5539.0, 5384.0, 5363.0, 5548.0, 5484.0, 5264.0, 5557.0, 5648.0, 5418.0, 5417.0, 5701.0, 5431.0, 5537.0, 5639.0, 5644.0, 5554.0, 5613.0, 5489.0, 5389.0, 5578.0, 5314.0, 5629.0, 5469.0, 5447.0, 5322.0, 5436.0, 5440.0, 5477.0, 5398.0, 5724.0, 5334.0, 5337.0, 5392.0, 5348.0, 5506.0, 5510.0, 5356.0, 5481.0, 5453.0, 5594.0, 5569.0, 5688.0, 5340.0, 5636.0, 5601.0, 5455.0, 5342.0, 5493.0, 5503.0, 5714.0, 5534.0, 5518.0, 5329.0, 5723.0, 5426.0, 5413.0, 5582.0, 5375.0, 5266.0, 5646.0, 5362.0, 5278.0, 5325.0, 5674.0, 5494.0, 5412.0, 5552.0, 5371.0, 5420.0, 5686.0, 5715.0, 5619.0, 5625.0, 5364.0, 5527.0, 5720.0, 5283.0, 5696.0, 5393.0, 5468.0, 5607.0, 5315.0, 5425.0, 5380.0, 5643.0, 5452.0, 5259.0, 5251.0, 5531.0, 5301.0, 5365.0, 5487.0, 5683.0, 5439.0, 5600.0, 5718.0, 5465.0, 5593.0, 5300.0, 5391.0 (number of hits: 15)
21	5530.0	9	1.0	333	1	5605.0, 5595.0, 5510.0, 5593.0, 5616.0, 5257.0, 5424.0, 5280.0, 5630.0, 5443.0, 5267.0, 5292.0, 5431.0, 5535.0, 5261.0, 5686.0, 5575.0, 5253.0, 5301.0, 5409.0, 5428.0, 5544.0, 5596.0, 5411.0, 5602.0, 5537.0, 5283.0, 5504.0, 5302.0, 5252.0, 5631.0, 5687.0, 5437.0, 5521.0, 5701.0, 5545.0, 5679.0, 5590.0, 5541.0, 5334.0, 5467.0, 5694.0, 5355.0, 5486.0, 5613.0, 5609.0, 5667.0, 5612.0, 5426.0, 5565.0, 5420.0, 5278.0, 5414.0, 5304.0, 5600.0, 5563.0, 5516.0, 5366.0, 5337.0, 5577.0, 5583.0, 5677.0, 5723.0, 5479.0, 5548.0, 5611.0, 5474.0, 5500.0, 5580.0, 5465.0, 5485.0, 5299.0, 5578.0, 5484.0, 5344.0, 5664.0, 5646.0, 5284.0, 5711.0, 5603.0, 5599.0, 5407.0, 5641.0, 5345.0, 5297.0, 5639.0, 5697.0, 5354.0, 5423.0, 5684.0, 5254.0,

						5488.0, 5657.0, 5394.0, 5625.0, 5675.0, 5524.0, 5276.0, 5322.0, 5498.0 (number of hits: 15)
22	5530.0	9	1.0	333	1	5454.0, 5336.0, 5404.0, 5370.0, 5622.0, 5255.0, 5551.0, 5386.0, 5272.0, 5642.0, 5593.0, 5542.0, 5498.0, 5612.0, 5683.0, 5588.0, 5657.0, 5507.0, 5456.0, 5414.0, 5535.0, 5703.0, 5452.0, 5276.0, 5320.0, 5397.0, 5658.0, 5304.0, 5607.0, 5319.0, 5315.0, 5360.0, 5278.0, 5464.0, 5571.0, 5528.0, 5431.0, 5332.0, 5609.0, 5525.0, 5579.0, 5594.0, 5362.0, 5254.0, 5391.0, 5523.0, 5560.0, 5441.0, 5631.0, 5275.0, 5587.0, 5614.0, 5381.0, 5265.0, 5450.0, 5696.0, 5288.0, 5258.0, 5616.0, 5290.0, 5330.0, 5564.0, 5471.0, 5526.0, 5650.0, 5634.0, 5324.0, 5633.0, 5632.0, 5676.0, 5287.0, 5640.0, 5365.0, 5277.0, 5550.0, 5630.0, 5574.0, 5394.0, 5282.0, 5408.0, 5569.0, 5477.0, 5459.0, 5468.0, 5302.0, 5445.0, 5412.0, 5337.0, 5383.0, 5539.0, 5552.0, 5684.0, 5497.0, 5444.0, 5505.0, 5356.0, 5261.0, 5644.0, 5425.0, 5711.0 (number of hits: 16)
23	5530.0	9	1.0	333	1	5695.0, 5620.0, 5723.0, 5380.0, 5618.0, 5406.0, 5431.0, 5576.0, 5507.0, 5715.0, 5545.0, 5441.0, 5497.0, 5637.0, 5665.0, 5304.0, 5543.0, 5653.0, 5581.0, 5296.0, 5346.0, 5452.0, 5526.0, 5273.0, 5523.0, 5641.0, 5579.0, 5540.0, 5310.0, 5509.0, 5611.0, 5398.0, 5319.0, 5568.0, 5488.0, 5286.0, 5321.0, 5593.0, 5636.0, 5617.0, 5332.0, 5303.0, 5709.0, 5480.0, 5361.0, 5342.0, 5664.0, 5679.0, 5461.0, 5315.0, 5659.0, 5291.0, 5331.0, 5358.0, 5548.0, 5575.0, 5255.0, 5397.0, 5384.0, 5556.0, 5623.0, 5442.0, 5366.0, 5382.0, 5284.0, 5672.0, 5689.0, 5564.0, 5292.0, 5395.0, 5417.0, 5458.0, 5584.0, 5375.0, 5500.0, 5288.0, 5483.0, 5433.0, 5677.0, 5256.0, 5629.0, 5307.0, 5573.0, 5444.0, 5700.0, 5271.0, 5370.0, 5717.0, 5253.0, 5383.0, 5287.0, 5525.0, 5708.0, 5566.0, 5647.0, 5570.0, 5261.0, 5448.0, 5535.0, 5371.0 (number of hits: 15)
24	5530.0	9	1.0	333	1	5321.0, 5369.0, 5427.0, 5660.0, 5421.0, 5294.0, 5553.0, 5271.0, 5269.0, 5567.0, 5378.0, 5383.0, 5484.0, 5331.0, 5370.0, 5424.0, 5566.0, 5702.0, 5666.0, 5414.0, 5713.0, 5573.0, 5704.0, 5633.0, 5548.0, 5291.0, 5716.0, 5429.0, 5439.0, 5615.0, 5293.0, 5448.0, 5469.0, 5426.0, 5353.0, 5298.0, 5361.0, 5434.0, 5614.0, 5697.0, 5466.0, 5522.0, 5342.0, 5382.0, 5638.0, 5519.0, 5476.0, 5279.0, 5579.0, 5443.0, 5593.0, 5322.0, 5252.0, 5406.0, 5632.0, 5451.0, 5617.0, 5387.0, 5430.0, 5350.0, 5501.0, 5325.0, 5345.0, 5479.0, 5516.0, 5346.0, 5532.0, 5371.0, 5503.0, 5707.0, 5297.0, 5658.0, 5445.0, 5376.0, 5475.0, 5552.0, 5418.0, 5717.0, 5604.0, 5627.0, 5413.0, 5512.0, 5653.0, 5423.0, 5724.0, 5529.0, 5274.0, 5478.0, 5555.0, 5411.0, 5676.0, 5317.0, 5703.0, 5482.0, 5258.0, 5277.0, 5711.0, 5571.0, 5594.0, 5623.0 (number of hits: 14)
25	5530.0	9	1.0	333	0	
26	5530.0	9	1.0	333	1	5420.0, 5531.0, 5268.0, 5585.0, 5618.0, 5545.0, 5686.0, 5574.0, 5428.0, 5398.0, 5550.0, 5526.0, 5563.0, 5564.0, 5274.0, 5701.0, 5469.0, 5365.0, 5525.0, 5608.0, 5437.0, 5265.0, 5416.0, 5527.0, 5267.0, 5445.0, 5696.0, 5630.0, 5721.0, 5518.0, 5603.0, 5289.0, 5350.0, 5624.0, 5321.0, 5322.0, 5501.0, 5601.0, 5378.0, 5395.0, 5587.0, 5349.0, 5329.0, 5604.0, 5472.0, 5332.0, 5610.0, 5510.0, 5441.0, 5371.0, 5459.0, 5683.0, 5310.0, 5392.0, 5638.0, 5368.0, 5503.0, 5594.0, 5443.0, 5717.0, 5276.0, 5312.0, 5360.0, 5379.0, 5251.0, 5559.0, 5515.0, 5434.0, 5426.0, 5702.0, 5487.0, 5639.0, 5497.0, 5457.0, 5554.0, 5394.0, 5509.0, 5693.0, 5408.0, 5423.0, 5270.0, 5477.0, 5471.0, 5494.0, 5595.0, 5340.0, 5258.0, 5344.0, 5396.0, 5277.0, 5657.0,

						5605.0, 5409.0, 5286.0, 5626.0, 5386.0, 5710.0, 5336.0, 5495.0, 5461.0 (number of hits: 19)
27	5530.0	9	1.0	333	1	5265.0, 5424.0, 5413.0, 5552.0, 5412.0, 5500.0, 5466.0, 5567.0, 5503.0, 5632.0, 5638.0, 5391.0, 5695.0, 5523.0, 5555.0, 5586.0, 5367.0, 5359.0, 5569.0, 5426.0, 5439.0, 5314.0, 5493.0, 5551.0, 5485.0, 5460.0, 5321.0, 5372.0, 5562.0, 5347.0, 5284.0, 5484.0, 5662.0, 5448.0, 5637.0, 5677.0, 5315.0, 5423.0, 5396.0, 5312.0, 5431.0, 5525.0, 5696.0, 5591.0, 5276.0, 5477.0, 5326.0, 5697.0, 5449.0, 5650.0, 5615.0, 5397.0, 5714.0, 5666.0, 5601.0, 5281.0, 5624.0, 5483.0, 5317.0, 5495.0, 5722.0, 5534.0, 5332.0, 5293.0, 5563.0, 5323.0, 5444.0, 5418.0, 5266.0, 5649.0, 5398.0, 5592.0, 5476.0, 5288.0, 5588.0, 5679.0, 5630.0, 5355.0, 5429.0, 5340.0, 5711.0, 5489.0, 5513.0, 5608.0, 5309.0, 5301.0, 5390.0, 5582.0, 5589.0, 5445.0, 5383.0, 5286.0, 5710.0, 5467.0, 5457.0, 5664.0, 5625.0, 5719.0, 5548.0, 5593.0 (number of hits: 15)
28	5530.0	9	1.0	333	1	5380.0, 5347.0, 5700.0, 5359.0, 5453.0, 5461.0, 5542.0, 5592.0, 5473.0, 5423.0, 5639.0, 5683.0, 5364.0, 5572.0, 5707.0, 5621.0, 5661.0, 5259.0, 5485.0, 5289.0, 5398.0, 5370.0, 5447.0, 5687.0, 5255.0, 5532.0, 5486.0, 5723.0, 5582.0, 5566.0, 5421.0, 5514.0, 5478.0, 5630.0, 5411.0, 5713.0, 5714.0, 5537.0, 5612.0, 5266.0, 5491.0, 5529.0, 5405.0, 5353.0, 5603.0, 5502.0, 5496.0, 5307.0, 5338.0, 5408.0, 5308.0, 5314.0, 5388.0, 5416.0, 5535.0, 5600.0, 5302.0, 5524.0, 5567.0, 5591.0, 5374.0, 5395.0, 5522.0, 5457.0, 5475.0, 5480.0, 5656.0, 5547.0, 5646.0, 5331.0, 5684.0, 5264.0, 5710.0, 5519.0, 5305.0, 5268.0, 5575.0, 5327.0, 5680.0, 5560.0, 5369.0, 5262.0, 5669.0, 5648.0, 5619.0, 5589.0, 5569.0, 5315.0, 5690.0, 5693.0, 5438.0, 5561.0, 5517.0, 5565.0, 5610.0, 5479.0, 5586.0, 5652.0, 5334.0, 5571.0 (number of hits: 18)
29	5530.0	9	1.0	333	0	
30	5530.0	9	1.0	333	1	5432.0, 5594.0, 5696.0, 5715.0, 5577.0, 5486.0, 5296.0, 5588.0, 5260.0, 5319.0, 5427.0, 5406.0, 5541.0, 5705.0, 5688.0, 5347.0, 5278.0, 5442.0, 5625.0, 5452.0, 5497.0, 5638.0, 5662.0, 5615.0, 5422.0, 5289.0, 5428.0, 5431.0, 5523.0, 5419.0, 5633.0, 5441.0, 5476.0, 5478.0, 5288.0, 5253.0, 5273.0, 5658.0, 5389.0, 5498.0, 5499.0, 5387.0, 5601.0, 5277.0, 5332.0, 5306.0, 5438.0, 5613.0, 5339.0, 5318.0, 5317.0, 5472.0, 5385.0, 5399.0, 5582.0, 5568.0, 5649.0, 5262.0, 5709.0, 5679.0, 5409.0, 5446.0, 5651.0, 5502.0, 5372.0, 5561.0, 5654.0, 5392.0, 5614.0, 5371.0, 5641.0, 5294.0, 5322.0, 5509.0, 5425.0, 5293.0, 5681.0, 5440.0, 5699.0, 5450.0, 5390.0, 5456.0, 5460.0, 5575.0, 5349.0, 5267.0, 5295.0, 5379.0, 5310.0, 5370.0, 5301.0, 5669.0, 5299.0, 5465.0, 5490.0, 5685.0, 5488.0, 5599.0, 5609.0, 5691.0 (number of hits: 8)

P2MP Mode
Pine 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	90 %	60%	Pass
Type 3	30	76.7 %	60%	Pass
Type 4	30	80 %	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 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	58	1.0	918	1
2	68	1.0	778	1
3	99	1.0	538	1
4	92	1.0	578	1
5	89	1.0	598	1
6	78	1.0	678	1
7	61	1.0	878	1
8	86	1.0	618	1
9	70	1.0	758	1
10	63	1.0	838	1
11	59	1.0	898	1
12	57	1.0	938	1
13	76	1.0	698	1
14	18	1.0	3066	1
15	67	1.0	798	1
16	28	1.0	1915	1
17	19	1.0	2819	1
18	20	1.0	2681	1
19	20	1.0	2649	1
20	24	1.0	2228	1
21	57	1.0	936	1
22	20	1.0	2646	1
23	24	1.0	2238	1
24	63	1.0	841	1
25	20	1.0	2770	1
26	44	1.0	1217	1
27	24	1.0	2213	1
28	29	1.0	1848	1
29	44	1.0	1209	1
30	25	1.0	2142	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	26	4.8	162	1
2	27	1.6	220	1
3	25	4.9	150	1
4	25	1.7	219	1
5	24	1.5	164	1
6	23	5.0	191	1
7	24	1.5	152	1
8	23	2.1	201	1
9	26	2.5	190	1
10	27	2.9	208	1
11	25	1.4	185	0
12	28	3.5	220	1
13	23	3.2	211	1
14	25	3.5	192	1
15	27	1.5	173	1
16	23	3.5	158	0
17	26	2.0	199	1
18	28	2.6	199	1
19	29	4.2	153	1
20	23	3.4	212	1
21	25	1.1	161	1
22	24	1.5	178	1
23	27	5.0	225	1
24	25	3.7	213	0
25	25	2.8	201	1
26	23	4.4	175	1
27	27	3.1	158	1
28	26	2.1	221	1
29	26	2.3	193	1
30	23	1.0	158	1
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	6.8	415	1
2	16	7.5	290	0
3	17	7.0	346	0
4	17	7.1	361	1
5	17	7.5	227	1
6	18	6.8	215	0
7	18	8.8	441	1
8	16	8.3	459	1
9	16	8.3	248	1
10	16	6.4	445	1
11	17	6.8	424	1
12	17	7.0	495	1
13	16	8.6	393	1
14	16	6.0	344	1
15	16	6.9	338	1
16	16	9.9	248	0
17	16	6.6	239	1
18	18	9.4	466	1
19	16	6.0	427	1
20	17	8.1	238	0
21	18	8.2	362	0
22	16	8.7	242	1
23	17	6.0	244	1
24	17	8.6	394	1
25	18	8.5	465	1
26	17	6.8	412	0
27	16	6.4	493	1
28	16	6.6	278	1
29	18	8.4	365	1
30	18	6.4	251	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	15	12.7	253	1
2	15	15.8	217	1
3	12	18.7	216	1
4	12	14.7	248	0
5	16	19.3	332	1
6	15	14.9	306	1
7	14	13.1	432	1
8	13	11.5	314	1
9	12	11.8	366	1
10	15	15.7	393	1
11	15	15.6	351	1
12	14	18.8	468	1
13	15	19.2	231	1
14	14	15.5	479	1
15	14	17.7	418	0
16	16	15.6	222	1
17	15	19.7	220	0
18	12	18.8	336	1
19	16	13.4	213	1
20	14	17.1	485	1
21	14	17.5	224	1
22	14	17.8	200	1
23	12	16.5	345	0
24	16	19.2	367	1
25	14	19.5	243	1
26	16	11.1	385	0
27	16	11.4	337	1
28	13	17.2	275	1
29	12	12.7	295	1
30	16	18.7	316	0
Detection Percentage: 80 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5498.5	1
12	5495.3	1
13	5497.7	1
14	5497.3	1
15	5492.9	1
16	5492.5	1
17	5497.3	1
18	5497.7	1
19	5492.5	1
20	5492.9	1
21	5505.9	1
22	5501.5	1
23	5507.1	1
24	5504.7	1
25	5505.5	1
26	5503.1	1
27	5505.1	1
28	5502.3	1
29	5505.1	1
30	5503.9	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	1	15	59.2			0.485138	1
1	1	15	71.1			1.371088	
2	2	15	88.5	1037		2.013668	
3	2	15	98.3	1786		2.426646	
4	1	15	61.6			3.247157	
5	1	15	53.9			4.113584	
6	2	15	64.6	1275		4.890786	
7	1	15	57.2			5.165705	
8	3	15	56.1	1122	1987	6.206141	
9	1	15	66.0			7.030192	
10	1	15	61.2			7.648987	
11	1	15	76.5			8.082715	
12	2	15	83.2	1205		9.166886	
13	1	15	89.7			9.634978	
14	3	15	50.7	1310	1063	10.102544	
15	2	15	58.0	1529		11.234432	
16	3	15	78.7	1367	1969	11.375294	

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	51.3	1666		0.373391	1
1	1	12	65.8			1.397514	
2	2	12	52.7	1586		3.571033	
3	2	12	99.3	1423		4.516533	
4	1	12	96.1			4.914910	
5	2	12	95.8	1975		6.737564	
6	2	12	63.9	1798		7.977097	
7	1	12	52.6			9.151565	
8	3	12	73.8	1620	1313	9.829356	
9	3	12	78.1	1933	1614	10.866599	

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	52.2			0.438600	
1	3	8	52.6	1429	1575	0.786315	
2	2	8	63.3	1931		1.428138	
3	1	8	73.7			2.708533	
4	1	8	97.0			2.871582	
5	2	8	68.6	1468		4.085483	
6	3	8	62.0	1189	1925	4.655765	
7	1	8	80.6			5.353076	
8	3	8	57.4	1131	1207	6.244901	1
9	2	8	84.1	1620		6.600252	
10	1	8	97.6			7.284912	
11	2	8	51.2	1525		8.193097	
12	3	8	50.5	1848	1439	8.953275	
13	2	8	92.9	1656		9.364331	
14	2	8	88.4	1915		10.100692	
15	1	8	62.7			10.811104	
16	3	8	57.2	1670	1812	11.760508	

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	96.2			0.057867	
1	3	7	52.1	1434	1767	1.436377	
2	2	7	72.9	1295		2.113689	
3	2	7	75.7	1234		2.588459	
4	1	7	52.8			3.432016	
5	3	7	53.1	1721	1666	3.867074	
6	2	7	89.8	1575		5.030185	
7	2	7	50.4	1848		5.684599	
8	3	7	89.8	1459	1808	6.456018	1
9	3	7	58.8	1267	1545	7.231747	
10	1	7	75.4			7.505004	
11	1	7	75.2			8.324567	
12	3	7	80.4	1830	1993	9.016013	
13	2	7	62.3	1751		9.837387	
14	2	7	99.8	1719		11.128760	
15	1	7	85.9			11.693965	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	95.4	1147	1908	0.138736	
1	3	6	72.4	1956	1040	1.025527	
2	2	6	66.0	1328		1.332673	
3	1	6	94.6			1.965261	
4	2	6	69.5	1223		2.816349	
5	2	6	67.8	1616		3.351587	
6	3	6	60.1	1114	1166	4.160388	
7	1	6	87.6			4.765939	
8	2	6	63.3	1518		5.066860	
9	2	6	65.2	1746		6.299293	1
10	2	6	65.4	1823		6.322012	
11	3	6	94.1	1581	1485	7.418466	
12	1	6	58.5			7.991828	
13	3	6	58.8	1158	1568	8.270966	
14	1	6	75.3			8.946906	
15	2	6	93.1	1053		9.645651	
16	3	6	81.3	1689	1185	10.718030	
17	2	6	66.8	1998		11.353488	
18	2	6	50.1	1916		11.710372	

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	11	90.5	1246	1487	0.250577	
1	2	11	68.4	1233		0.955259	
2	2	11	79.0	1317		1.631877	
3	1	11	80.7			2.624342	
4	2	11	65.8	1520		3.425075	
5	3	11	74.3	1283	1740	4.779376	
6	1	11	81.5			5.354459	
7	3	11	54.3	1023	1702	5.741751	1
8	2	11	90.4	1724		6.768527	
9	3	11	78.3	1500	1666	7.976398	
10	3	11	89.5	1289	1955	8.748899	
11	2	11	78.3	1118		9.512554	
12	1	11	70.9			10.193667	
13	1	11	81.1			10.804120	
14	3	11	80.3	1577	1839	11.341207	

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	14	88.5	1844	1512	0.469525	
1	3	14	77.8	1062	1225	2.216052	
2	2	14	81.4	1436		3.590014	
3	2	14	86.8	1163		4.892859	
4	3	14	66.8	1941	1451	5.921765	1
5	2	14	61.5	1379		7.053147	
6	2	14	88.2	1964		8.063762	
7	2	14	73.7	1866		9.779298	
8	3	14	87.9	1916	1178	11.457225	

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	6	71.9			1.300951	
1	1	6	75.7			1.385394	
2	2	6	95.3	1798		3.266049	
3	2	6	51.7	1886		4.827355	
4	1	6	60.1			5.911591	1
5	2	6	71.6	1984		7.891251	
6	3	6	67.2	1753	1337	8.305531	
7	2	6	62.5	1173		10.099488	
8	1	6	55.8			10.984158	

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	6	74.8	1301	1966	0.222295	
1	3	6	87.4	1155	1423	0.888346	
2	3	6	58.2	1835	1371	1.766628	
3	2	6	86.3	1535		2.476185	
4	2	6	63.1	1222		3.262859	
5	2	6	99.9	1396		3.806794	
6	3	6	54.4	1891	1094	4.364673	
7	2	6	54.4	1590		5.290363	
8	1	6	84.5			5.711888	1
9	3	6	72.5	1272	1192	6.950622	
10	3	6	86.7	1954	1516	7.519738	
11	1	6	81.5			7.822076	
12	1	6	56.5			8.916975	
13	3	6	57.5	1461	1031	9.417143	
14	2	6	93.8	1678		10.327593	
15	2	6	68.8	1261		10.588851	
16	2	6	95.4	1921		11.669473	

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	89.2	1128		0.200960	1
1	3	7	60.2	1275	1218	1.083374	
2	2	7	60.1	1685		1.905324	
3	3	7	54.3	1012	1005	2.507003	
4	2	7	99.8	1689		3.290184	
5	2	7	95.9	1410		3.592393	
6	3	7	57.0	1749	1313	4.089368	
7	3	7	77.1	1203	1940	4.926203	
8	2	7	67.1	1577		5.782691	
9	2	7	93.1	1134		6.177352	
10	2	7	76.5	1281		7.061787	
11	2	7	89.4	1000		7.624103	
12	1	7	98.0			8.075682	
13	1	7	62.6			9.232610	
14	2	7	65.7	1956		9.354511	
15	3	7	95.3	1098	1940	10.356098	
16	3	7	51.9	1233	1171	10.916076	
17	3	7	64.3	1808	1445	11.827773	

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	20	82.0	1153	1998	0.417908	1
1	2	20	72.4	1425		0.708635	
2	2	20	69.0	1681		1.347116	
3	2	20	50.4	1712		2.122425	
4	2	20	90.8	1982		2.847176	
5	2	20	87.2	1448		3.650295	
6	2	20	64.2	1520		4.256183	
7	3	20	93.4	1463	1717	4.808106	
8	1	20	98.2			5.593542	
9	2	20	92.5	1908		6.191110	
10	2	20	69.9	1867		7.020750	
11	2	20	83.4	1743		7.578983	
12	2	20	83.0	1988		8.042902	
13	1	20	75.6			8.688025	
14	2	20	65.2	1168		9.823917	
15	3	20	67.3	1916	1143	10.438664	
16	1	20	91.5			11.299939	
17	2	20	89.6	1638		11.617739	

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	12	59.0	1869		0.281777	1
1	1	12	86.5			1.337373	
2	2	12	76.6	1074		2.164692	
3	1	12	86.3			3.116760	
4	1	12	92.6			3.215920	
5	1	12	61.3			4.301311	
6	2	12	77.3	1544		5.144216	
7	2	12	97.1	1927		6.015352	
8	3	12	87.7	1650	1084	7.012062	
9	3	12	73.6	1999	1408	7.601448	
10	2	12	73.6	1575		8.191732	
11	2	12	99.4	1757		9.442127	
12	3	12	86.2	1944	1820	10.129715	
13	2	12	98.7	1799		10.730823	
14	3	12	77.3	1228	1300	11.518662	

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	18	70.4	1759		0.486328	
1	1	18	57.7			1.004497	
2	2	18	63.5	1317		2.080827	
3	2	18	52.8	1150		2.367738	
4	1	18	87.1			2.961938	
5	2	18	90.6	1914		4.084814	
6	2	18	59.7	1444		4.313630	
7	3	18	80.1	1888	1151	5.290761	
8	3	18	55.2	1806	1765	5.846674	1
9	2	18	62.1	1431		6.658292	
10	3	18	51.0	1746	1229	7.304660	
11	3	18	64.1	1466	1037	7.996623	
12	1	18	59.4			9.009268	
13	1	18	71.7			9.539331	
14	2	18	91.1	1439		10.357629	
15	1	18	95.7			11.113535	
16	1	18	68.7			11.672550	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	88.4	1242		0.005405	
1	3	17	54.1	1563	1370	1.159219	
2	1	17	77.5			1.777186	
3	3	17	69.7	1173	1856	2.080598	
4	1	17	86.0			2.981204	
5	2	17	69.6	1154		3.690339	
6	1	17	81.1			3.900021	
7	2	17	96.1	1659		5.035101	
8	2	17	71.9	1565		5.585475	
9	2	17	82.9	1085		6.050283	1
10	1	17	80.4			6.316513	
11	1	17	71.4			7.045075	
12	1	17	99.7			7.758787	
13	1	17	52.9			8.822580	
14	1	17	55.9			9.014146	
15	2	17	89.7	1768		10.005387	
16	2	17	73.9	1241		10.504400	
17	1	17	87.2			10.980082	
18	1	17	80.1			11.893952	

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	6	93.2	1577		0.006619	
1	3	6	70.8	1138	1145	1.500581	
2	2	6	56.2	1121		2.170466	
3	3	6	82.5	1271	1505	2.579803	
4	2	6	80.9	1425		3.535703	
5	2	6	56.3	1455		4.559092	
6	2	6	72.4	1054		4.995199	
7	3	6	86.7	1441	1842	6.235660	1
8	3	6	79.3	1080	1212	6.697009	
9	2	6	89.4	1305		7.277986	
10	1	6	90.6			8.020894	
11	2	6	89.3	1128		9.450613	
12	2	6	67.4	1823		9.603090	
13	2	6	70.3	1064		10.719109	
14	3	6	87.9	1239	1579	11.664324	

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	96.3	1254	1549	0.095719	
1	2	5	54.2	1837		0.985217	
2	2	5	92.9	1759		2.273009	
3	3	5	51.1	1353	1520	2.634650	
4	3	5	75.4	1613	1993	3.783934	
5	1	5	69.4			4.851573	
6	3	5	91.1	1154	1633	5.284691	
7	3	5	70.2	1387	1438	6.223282	1
8	1	5	94.7			7.597412	
9	1	5	98.0			8.443658	
10	1	5	86.1			9.337496	
11	2	5	50.0	1480		10.248587	
12	2	5	65.3	1566		10.345483	
13	1	5	98.9			11.644236	

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	17	69.9	1739	1735	0.576004	1
1	1	17	52.0			1.087469	
2	1	17	89.5			1.581169	
3	2	17	82.6	1697		2.185892	
4	2	17	55.0	1732		2.738839	
5	2	17	94.4	1996		3.344345	
6	2	17	97.4	1100		4.398353	
7	1	17	88.5			4.757403	
8	2	17	63.5	1074		5.426153	
9	2	17	84.2	1494		6.336833	
10	3	17	95.0	1381	1621	7.068822	
11	1	17	73.1			7.356611	
12	2	17	67.2	1745		8.392572	
13	2	17	63.7	1994		9.092066	
14	2	17	56.2	1121		9.640524	
15	2	17	61.5	1825		10.288165	
16	2	17	76.4	1749		10.891920	
17	2	17	55.5	1764		11.828669	

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	18	53.5	1497		0.102598	1
1	2	18	70.4	1512		1.353936	
2	3	18	63.6	1525	1761	2.473339	
3	1	18	86.2			2.939791	
4	3	18	57.2	1710	1532	3.530758	
5	2	18	63.1	1943		4.627324	
6	3	18	88.7	1325	1739	5.955879	
7	2	18	54.2	1842		6.736136	
8	2	18	54.7	1063		6.865036	
9	2	18	69.6	1457		8.416832	
10	3	18	77.5	1318	1116	8.997390	
11	2	18	73.0	1900		10.158513	
12	2	18	89.5	1367		10.381216	
13	3	18	95.7	1217	1547	11.731343	

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	5	53.3			0.789147	1
1	2	5	95.4	1156		1.538616	
2	2	5	60.4	1273		2.509111	
3	2	5	71.6	1095		3.065624	
4	2	5	98.5	1758		3.554777	
5	3	5	65.6	1974	1503	4.744046	
6	2	5	81.8	1663		5.236969	
7	2	5	77.2	1130		6.427016	
8	1	5	58.1			7.510487	
9	2	5	53.0	1228		8.492456	
10	2	5	58.1	1110		8.835390	
11	2	5	96.1	1927		9.900690	
12	2	5	57.6	1411		10.549058	
13	1	5	64.4			11.293576	

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	83.2	1458		0.253781	1
1	3	6	89.0	1535	1006	1.092543	
2	2	6	76.7	1727		1.333407	
3	1	6	98.7			2.429733	
4	2	6	52.9	1768		2.604294	
5	2	6	59.1	1379		3.509870	
6	1	6	99.6			4.150667	
7	2	6	76.3	1539		4.816861	
8	2	6	95.6	1309		5.057621	
9	3	6	97.8	1034	1832	5.783157	
10	2	6	79.4	1699		6.711271	
11	2	6	86.5	1334		7.185265	
12	2	6	97.0	1161		7.996876	
13	2	6	57.6	1780		8.436213	
14	3	6	94.4	1277	1279	8.963556	
15	2	6	95.2	1913		9.557651	
16	3	6	66.4	1529	1281	10.341107	
17	3	6	89.2	1108	1937	11.053851	
18	2	6	80.5	1687		11.529981	

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	9	69.5	1537		0.254854	1
1	2	9	96.9	1667		0.783827	
2	1	9	53.5			1.629387	
3	3	9	94.3	1320	1063	2.394113	
4	3	9	80.5	1069	1636	2.861079	
5	3	9	79.6	1398	1601	3.943960	
6	1	9	69.5			4.531671	
7	2	9	60.9	1778		4.916407	
8	3	9	70.1	1874	1955	5.873826	
9	2	9	88.3	1249		6.504494	
10	2	9	66.4	1227		6.751752	
11	2	9	82.2	1211		7.948810	
12	2	9	84.4	1547		8.268431	
13	2	9	95.0	1974		8.811132	
14	3	9	64.9	1062	1454	9.427732	
15	3	9	52.5	1885	1218	10.389657	
16	1	9	56.0			10.745814	
17	2	9	91.8	1600		11.590285	

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	20	52.7	1662	1876	0.714065	1
1	1	20	100.0			0.847585	
2	2	20	58.1	1526		1.665529	
3	2	20	70.1	1647		2.824996	
4	2	20	51.0	1182		3.523482	
5	2	20	72.3	1785		4.316213	
6	2	20	89.4	1111		4.645083	
7	3	20	93.6	1690	1905	5.789705	
8	3	20	80.0	1457	1468	6.220752	
9	2	20	78.1	1602		6.868755	
10	2	20	70.6	1533		8.213809	
11	1	20	75.4			8.973871	
12	2	20	98.0	1184		9.151311	
13	3	20	95.6	1362	1417	10.105409	
14	2	20	55.6	1840		10.855841	
15	2	20	54.9	1015		11.817709	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	82.0	1750		0.331647	1
1	3	6	65.0	1106	1175	0.830932	
2	2	6	56.1	1480		2.072598	
3	2	6	90.3	1553		2.318027	
4	2	6	52.2	1839		3.003651	
5	2	6	84.7	1307		4.349946	
6	2	6	81.2	1325		5.095000	
7	1	6	88.9			5.317933	
8	3	6	73.2	1850	1900	6.571804	
9	2	6	69.3	1865		7.305371	
10	3	6	97.5	1894	1738	7.657692	
11	2	6	69.0	1459		8.606096	
12	3	6	51.2	1202	1614	9.159783	
13	2	6	60.6	1392		10.008010	
14	3	6	71.7	1253	1312	10.620300	
15	2	6	94.1	1400		11.355775	

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	65.0			0.147437	1
1	1	12	87.4			2.619942	
2	2	12	66.9	1384		3.223654	
3	2	12	91.7	1472		4.163834	
4	2	12	52.0	1565		6.154586	
5	2	12	65.6	1832		7.024655	
6	3	12	99.8	1003	1469	8.274890	
7	1	12	92.7			10.593970	
8	3	12	60.2	1926	1556	11.356948	

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	10	87.4	1649		0.226366	
1	2	10	93.6	1699		1.586808	
2	3	10	71.3	1474	1866	1.839216	
3	1	10	94.7			2.550511	
4	1	10	66.9			3.304572	
5	2	10	59.5	1095		4.207494	
6	2	10	76.6	1873		5.186403	
7	2	10	89.2	1480		5.714524	1
8	1	10	50.0			6.632613	
9	2	10	68.7	1736		7.786027	
10	3	10	99.2	1337	1849	8.443040	
11	3	10	87.2	1857	1487	9.327646	
12	3	10	57.6	1560	1150	9.706159	
13	1	10	81.6			10.895769	
14	2	10	70.6	1622		11.612506	

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	16	55.0	1281		0.207623	
1	3	16	68.1	1201	1032	1.334575	
2	1	16	78.1			1.882097	
3	2	16	98.1	1610		2.839741	
4	1	16	65.1			3.972249	
5	3	16	85.0	1897	1075	4.396804	
6	3	16	98.7	1443	1531	5.225206	
7	3	16	84.6	1942	1676	6.356148	1
8	2	16	69.1	1076		6.818347	
9	1	16	71.4			7.485175	
10	3	16	97.3	1472	1459	8.663816	
11	1	16	59.6			9.147154	
12	2	16	60.5	1582		10.105156	
13	1	16	68.6			11.133586	
14	2	16	80.6	1959		11.297329	

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	58.0	1100	1936	0.446793	1
1	2	11	98.9	1884		1.376109	
2	2	11	56.9	1961		2.529892	
3	2	11	71.1	1066		3.608270	
4	3	11	96.4	1065	1847	4.105575	
5	2	11	71.6	1028		5.489511	
6	3	11	72.5	1789	1724	6.931699	
7	1	11	97.0			7.462769	
8	1	11	87.7			8.487962	
9	3	11	94.0	1142	1774	9.466564	
10	2	11	61.7	1936		10.176739	
11	1	11	81.7			11.939445	

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	58.2	1704		0.461377	1
1	2	18	81.8	1414		1.011466	
2	2	18	69.5	1813		2.082634	
3	3	18	99.8	1173	1332	2.971012	
4	2	18	83.6	1185		3.385513	
5	1	18	96.2			3.945956	
6	2	18	71.7	1483		5.234708	
7	3	18	58.7	1957	1798	5.557999	
8	1	18	70.6			6.125195	
9	1	18	79.9			7.183417	
10	3	18	80.0	1659	1078	7.769564	
11	1	18	53.4			8.740190	
12	2	18	50.1	1065		9.071445	
13	3	18	78.2	1892	1403	10.261616	
14	2	18	74.1	1692		10.641319	
15	2	18	81.7	1925		11.766881	

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	11	91.8	1890		0.823617	1
1	3	11	70.7	1610	1989	1.833738	
2	2	11	78.4	1348		2.424663	
3	3	11	59.8	1126	1298	3.480046	
4	2	11	61.1	1813		4.396439	
5	2	11	58.7	1468		5.224571	
6	2	11	93.6	1149		6.400706	
7	3	11	56.1	1892	1125	7.292982	
8	2	11	70.1	1213		8.109114	
9	1	11	63.4			9.747752	
10	2	11	61.4	1945		10.250577	
11	1	11	53.7			11.617319	

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	14	73.8	1577	1220	0.727155	1
1	1	14	93.3			2.222014	
2	1	14	90.2			2.939806	
3	2	14	84.8	1592		3.672857	
4	2	14	74.1	1627		5.181455	
5	1	14	85.0			6.372794	
6	3	14	64.7	1965	1080	7.315210	
7	2	14	72.2	1428		9.488601	
8	2	14	72.8	1405		10.766790	
9	2	14	69.1	1186		11.200649	

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	5349.0, 5685.0, 5614.0, 5282.0, 5541.0, 5467.0, 5463.0, 5499.0, 5479.0, 5403.0, 5553.0, 5458.0, 5561.0, 5558.0, 5513.0, 5644.0, 5621.0, 5386.0, 5521.0, 5397.0, 5456.0, 5652.0, 5426.0, 5646.0, 5515.0, 5713.0, 5704.0, 5495.0, 5325.0, 5406.0, 5337.0, 5507.0, 5643.0, 5701.0, 5500.0, 5533.0, 5708.0, 5501.0, 5253.0, 5600.0, 5606.0, 5343.0, 5288.0, 5297.0, 5264.0, 5683.0, 5544.0, 5291.0, 5424.0, 5549.0, 5368.0, 5599.0, 5330.0, 5542.0, 5378.0, 5304.0, 5418.0, 5311.0, 5509.0, 5377.0, 5443.0, 5502.0, 5497.0, 5620.0, 5530.0, 5627.0, 5466.0, 5547.0, 5439.0, 5385.0, 5486.0, 5520.0, 5265.0, 5518.0, 5460.0, 5650.0, 5430.0, 5419.0, 5407.0, 5539.0, 5270.0, 5259.0, 5634.0, 5469.0, 5258.0, 5336.0, 5655.0, 5633.0, 5591.0, 5691.0, 5586.0, 5428.0, 5451.0, 5452.0, 5290.0, 5306.0, 5523.0, 5534.0, 5687.0, 5675.0 (number of hits: 8)
2	5500.0	9	1.0	333	1	5264.0, 5551.0, 5502.0, 5480.0, 5541.0, 5413.0, 5619.0, 5326.0, 5284.0, 5723.0, 5567.0, 5399.0, 5267.0, 5640.0, 5339.0, 5523.0, 5360.0, 5353.0, 5415.0, 5657.0, 5343.0, 5402.0, 5611.0, 5371.0, 5323.0, 5387.0, 5521.0, 5685.0, 5420.0, 5483.0, 5556.0, 5458.0, 5341.0, 5490.0, 5724.0, 5705.0, 5296.0, 5258.0, 5395.0, 5331.0, 5681.0, 5709.0, 5253.0, 5648.0, 5676.0, 5308.0, 5414.0, 5683.0, 5615.0, 5690.0, 5632.0, 5340.0, 5666.0, 5613.0, 5671.0, 5437.0, 5359.0, 5461.0, 5633.0, 5478.0, 5346.0, 5695.0, 5508.0, 5542.0, 5584.0, 5344.0, 5531.0, 5361.0, 5377.0, 5466.0, 5519.0, 5641.0, 5532.0, 5655.0, 5717.0, 5455.0, 5435.0, 5529.0, 5335.0, 5381.0, 5363.0, 5251.0, 5388.0, 5487.0, 5600.0, 5697.0, 5396.0, 5256.0, 5442.0, 5255.0, 5572.0, 5464.0, 5337.0, 5306.0, 5503.0, 5679.0, 5603.0, 5383.0, 5509.0, 5598.0 (number of hits: 5
3	5500.0	9	1.0	333	1	5376.0, 5344.0, 5306.0, 5427.0, 5656.0, 5621.0, 5468.0, 5395.0, 5593.0, 5550.0, 5548.0, 5495.0, 5313.0, 5277.0, 5608.0, 5589.0, 5423.0, 5426.0, 5383.0, 5556.0, 5594.0, 5507.0, 5334.0, 5382.0, 5287.0, 5531.0, 5329.0, 5379.0, 5320.0, 5568.0, 5448.0, 5573.0, 5364.0, 5399.0, 5350.0, 5611.0, 5612.0, 5675.0, 5309.0, 5525.0, 5535.0, 5445.0, 5482.0, 5549.0, 5343.0, 5409.0, 5644.0, 5515.0, 5526.0, 5300.0, 5355.0, 5657.0, 5603.0, 5681.0, 5652.0, 5465.0, 5655.0, 5413.0, 5447.0, 5467.0, 5691.0, 5721.0, 5363.0, 5500.0, 5631.0, 5412.0, 5331.0, 5695.0, 5429.0, 5578.0, 5368.0, 5267.0, 5492.0, 5452.0, 5538.0, 5406.0, 5671.0, 5645.0, 5486.0, 5479.0, 5490.0, 5446.0, 5325.0, 5356.0, 5647.0, 5451.0, 5582.0, 5648.0, 5496.0, 5641.0, 5422.0, 5342.0, 5713.0, 5561.0, 5269.0, 5378.0, 5616.0, 5389.0, 5397.0, 5715.0 (number of hits: 6)
4	5500.0	9	1.0	333	1	5449.0, 5502.0, 5664.0, 5558.0, 5335.0, 5722.0, 5680.0, 5577.0, 5404.0, 5719.0, 5659.0, 5432.0, 5718.0, 5600.0, 5568.0, 5486.0, 5419.0, 5353.0, 5374.0, 5710.0, 5676.0, 5598.0, 5564.0, 5258.0, 5382.0, 5641.0, 5642.0, 5444.0, 5540.0, 5667.0, 5536.0, 5364.0, 5276.0, 5650.0, 5679.0, 5350.0, 5590.0, 5507.0, 5475.0, 5289.0, 5261.0, 5589.0, 5705.0, 5716.0, 5370.0, 5376.0, 5331.0, 5687.0, 5514.0, 5487.0, 5631.0, 5317.0, 5436.0, 5519.0, 5562.0, 5715.0, 5578.0, 5313.0, 5531.0, 5549.0, 5308.0, 5302.0, 5702.0, 5437.0, 5542.0, 5251.0, 5646.0, 5452.0, 5386.0, 5266.0,

						5608.0, 5695.0, 5328.0, 5430.0, 5339.0, 5576.0, 5417.0, 5472.0, 5471.0, 5429.0, 5670.0, 5428.0, 5586.0, 5508.0, 5400.0, 5481.0, 5661.0, 5713.0, 5326.0, 5448.0, 5532.0, 5301.0, 5294.0, 5462.0, 5690.0, 5721.0, 5604.0, 5609.0, 5474.0, 5285.0 (number of hits: 3)
5	5500.0	9	1.0	333	1	5337.0, 5469.0, 5613.0, 5289.0, 5682.0, 5362.0, 5321.0, 5336.0, 5653.0, 5702.0, 5280.0, 5339.0, 5413.0, 5562.0, 5555.0, 5700.0, 5283.0, 5550.0, 5279.0, 5576.0, 5441.0, 5252.0, 5404.0, 5296.0, 5292.0, 5290.0, 5516.0, 5335.0, 5329.0, 5309.0, 5721.0, 5371.0, 5557.0, 5638.0, 5440.0, 5436.0, 5341.0, 5657.0, 5393.0, 5423.0, 5400.0, 5547.0, 5304.0, 5658.0, 5353.0, 5468.0, 5635.0, 5372.0, 5251.0, 5313.0, 5697.0, 5622.0, 5442.0, 5418.0, 5268.0, 5332.0, 5502.0, 5598.0, 5363.0, 5553.0, 5265.0, 5722.0, 5714.0, 5575.0, 5395.0, 5480.0, 5641.0, 5318.0, 5437.0, 5515.0, 5533.0, 5424.0, 5295.0, 5475.0, 5691.0, 5694.0, 5712.0, 5723.0, 5706.0, 5489.0, 5253.0, 5618.0, 5546.0, 5390.0, 5590.0, 5357.0, 5592.0, 5539.0, 5320.0, 5715.0, 5524.0, 5360.0, 5398.0, 5482.0, 5674.0, 5669.0, 5301.0, 5623.0, 5498.0, 5491.0 (number of hits: 3)
6	5500.0	9	1.0	333	1	5646.0, 5418.0, 5583.0, 5528.0, 5333.0, 5572.0, 5407.0, 5359.0, 5262.0, 5543.0, 5496.0, 5691.0, 5411.0, 5352.0, 5580.0, 5345.0, 5440.0, 5690.0, 5434.0, 5694.0, 5349.0, 5388.0, 5261.0, 5305.0, 5541.0, 5621.0, 5560.0, 5519.0, 5387.0, 5610.0, 5639.0, 5708.0, 5304.0, 5482.0, 5710.0, 5299.0, 5363.0, 5282.0, 5488.0, 5368.0, 5641.0, 5567.0, 5672.0, 5566.0, 5655.0, 5590.0, 5518.0, 5478.0, 5715.0, 5718.0, 5723.0, 5555.0, 5615.0, 5284.0, 5603.0, 5310.0, 5635.0, 5441.0, 5509.0, 5491.0, 5485.0, 5507.0, 5289.0, 5406.0, 5636.0, 5547.0, 5665.0, 5397.0, 5396.0, 5444.0, 5677.0, 5474.0, 5371.0, 5601.0, 5707.0, 5290.0, 5362.0, 5608.0, 5467.0, 5716.0, 5320.0, 5409.0, 5637.0, 5367.0, 5437.0, 5534.0, 5401.0, 5432.0, 5338.0, 5724.0, 5272.0, 5453.0, 5565.0, 5554.0, 5597.0, 5392.0, 5605.0, 5257.0, 5595.0, 5669.0 (number of hits: 4)
7	5500.0	9	1.0	333	1	5420.0, 5653.0, 5424.0, 5592.0, 5523.0, 5279.0, 5378.0, 5578.0, 5539.0, 5435.0, 5654.0, 5507.0, 5439.0, 5486.0, 5316.0, 5712.0, 5440.0, 5537.0, 5442.0, 5587.0, 5673.0, 5427.0, 5605.0, 5295.0, 5639.0, 5434.0, 5615.0, 5341.0, 5323.0, 5657.0, 5652.0, 5694.0, 5310.0, 5485.0, 5264.0, 5604.0, 5629.0, 5593.0, 5342.0, 5699.0, 5426.0, 5491.0, 5522.0, 5461.0, 5366.0, 5541.0, 5588.0, 5560.0, 5339.0, 5317.0, 5351.0, 5579.0, 5564.0, 5255.0, 5403.0, 5582.0, 5348.0, 5658.0, 5312.0, 5463.0, 5555.0, 5478.0, 5257.0, 5536.0, 5527.0, 5696.0, 5459.0, 5559.0, 5462.0, 5428.0, 5281.0, 5298.0, 5331.0, 5335.0, 5275.0, 5719.0, 5551.0, 5425.0, 5558.0, 5371.0, 5493.0, 5591.0, 5646.0, 5276.0, 5389.0, 5575.0, 5698.0, 5453.0, 5266.0, 5647.0, 5510.0, 5432.0, 5288.0, 5333.0, 5397.0, 5393.0, 5452.0, 5656.0, 5641.0, 5487.0 (number of hits: 3)
8	5500.0	9	1.0	333	1	5590.0, 5338.0, 5570.0, 5392.0, 5371.0, 5471.0, 5295.0, 5623.0, 5265.0, 5546.0, 5513.0, 5636.0, 5274.0, 5669.0, 5563.0, 5334.0, 5643.0, 5648.0, 5275.0, 5675.0, 5313.0, 5690.0, 5578.0, 5672.0, 5416.0, 5269.0, 5505.0, 5503.0, 5318.0, 5283.0, 5390.0, 5402.0, 5408.0, 5558.0, 5627.0, 5544.0, 5676.0, 5500.0, 5360.0, 5346.0, 5298.0, 5653.0, 5277.0, 5353.0, 5717.0, 5476.0, 5644.0, 5263.0, 5673.0, 5467.0, 5634.0, 5292.0, 5555.0, 5388.0, 5482.0, 5547.0, 5425.0, 5466.0, 5451.0, 5506.0, 5368.0, 5396.0, 5281.0, 5615.0, 5322.0, 5575.0, 5302.0, 5459.0, 5448.0, 5677.0, 5405.0, 5596.0, 5632.0, 5628.0, 5565.0, 5510.0, 5576.0,

						5532.0, 5414.0, 5589.0, 5559.0, 5407.0, 5611.0, 5664.0, 5447.0, 5365.0, 5374.0, 5475.0, 5609.0, 5251.0, 5585.0, 5685.0, 5523.0, 5347.0, 5662.0, 5637.0, 5468.0, 5694.0, 5705.0, 5474.0 (number of hits: 4)
9	5500.0	9	1.0	333	1	5387.0, 5422.0, 5252.0, 5393.0, 5458.0, 5331.0, 5496.0, 5510.0, 5250.0, 5527.0, 5326.0, 5526.0, 5423.0, 5289.0, 5268.0, 5696.0, 5429.0, 5475.0, 5548.0, 5388.0, 5483.0, 5587.0, 5464.0, 5540.0, 5309.0, 5566.0, 5576.0, 5664.0, 5557.0, 5470.0, 5554.0, 5498.0, 5537.0, 5711.0, 5354.0, 5655.0, 5535.0, 5702.0, 5372.0, 5286.0, 5282.0, 5629.0, 5593.0, 5700.0, 5280.0, 5411.0, 5257.0, 5348.0, 5317.0, 5325.0, 5408.0, 5641.0, 5551.0, 5701.0, 5550.0, 5414.0, 5670.0, 5628.0, 5658.0, 5704.0, 5401.0, 5697.0, 5394.0, 5457.0, 5692.0, 5359.0, 5579.0, 5334.0, 5533.0, 5605.0, 5260.0, 5404.0, 5451.0, 5316.0, 5688.0, 5513.0, 5619.0, 5445.0, 5499.0, 5304.0, 5425.0, 5567.0, 5409.0, 5720.0, 5343.0, 5599.0, 5521.0, 5277.0, 5613.0, 5299.0, 5262.0, 5631.0, 5383.0, 5596.0, 5398.0, 5695.0, 5265.0, 5686.0, 5402.0, 5385.0 (number of hits: 3)
10	5500.0	9	1.0	333	1	5533.0, 5620.0, 5314.0, 5467.0, 5423.0, 5440.0, 5418.0, 5379.0, 5370.0, 5260.0, 5448.0, 5255.0, 5294.0, 5622.0, 5625.0, 5476.0, 5693.0, 5483.0, 5278.0, 5359.0, 5425.0, 5683.0, 5435.0, 5426.0, 5392.0, 5575.0, 5514.0, 5446.0, 5473.0, 5642.0, 5694.0, 5500.0, 5356.0, 5671.0, 5553.0, 5474.0, 5660.0, 5306.0, 5315.0, 5638.0, 5340.0, 5427.0, 5301.0, 5364.0, 5375.0, 5333.0, 5692.0, 5652.0, 5267.0, 5410.0, 5347.0, 5430.0, 5592.0, 5313.0, 5434.0, 5619.0, 5381.0, 5668.0, 5439.0, 5585.0, 5649.0, 5321.0, 5587.0, 5626.0, 5611.0, 5687.0, 5460.0, 5641.0, 5631.0, 5325.0, 5534.0, 5397.0, 5291.0, 5337.0, 5723.0, 5573.0, 5586.0, 5279.0, 5662.0, 5720.0, 5615.0, 5667.0, 5488.0, 5590.0, 5524.0, 5568.0, 5565.0, 5471.0, 5486.0, 5715.0, 5581.0, 5539.0, 5634.0, 5708.0, 5300.0, 5633.0, 5603.0, 5490.0, 5639.0, 5275.0 (number of hits: 2)
11	5500.0	9	1.0	333	1	5275.0, 5708.0, 5509.0, 5396.0, 5682.0, 5457.0, 5446.0, 5378.0, 5409.0, 5573.0, 5315.0, 5501.0, 5434.0, 5405.0, 5350.0, 5505.0, 5688.0, 5327.0, 5724.0, 5596.0, 5461.0, 5649.0, 5460.0, 5365.0, 5706.0, 5514.0, 5401.0, 5252.0, 5458.0, 5373.0, 5612.0, 5270.0, 5366.0, 5699.0, 5597.0, 5640.0, 5450.0, 5355.0, 5290.0, 5389.0, 5362.0, 5638.0, 5513.0, 5652.0, 5579.0, 5586.0, 5454.0, 5690.0, 5455.0, 5353.0, 5301.0, 5676.0, 5718.0, 5380.0, 5442.0, 5716.0, 5288.0, 5594.0, 5394.0, 5654.0, 5709.0, 5607.0, 5452.0, 5697.0, 5621.0, 5534.0, 5435.0, 5695.0, 5360.0, 5532.0, 5369.0, 5335.0, 5605.0, 5415.0, 5692.0, 5279.0, 5622.0, 5559.0, 5319.0, 5480.0, 5714.0, 5619.0, 5478.0, 5606.0, 5551.0, 5637.0, 5628.0, 5655.0, 5675.0, 5329.0, 5544.0, 5687.0, 5363.0, 5617.0, 5673.0, 5280.0, 5660.0, 5614.0, 5717.0, 5368.0 (number of hits: 3)
12	5500.0	9	1.0	333	1	5409.0, 5568.0, 5439.0, 5476.0, 5326.0, 5595.0, 5283.0, 5252.0, 5346.0, 5649.0, 5596.0, 5420.0, 5693.0, 5629.0, 5441.0, 5534.0, 5321.0, 5628.0, 5662.0, 5384.0, 5665.0, 5574.0, 5271.0, 5275.0, 5554.0, 5607.0, 5490.0, 5688.0, 5685.0, 5449.0, 5253.0, 5313.0, 5722.0, 5335.0, 5425.0, 5404.0, 5438.0, 5527.0, 5661.0, 5403.0, 5393.0, 5540.0, 5622.0, 5389.0, 5535.0, 5569.0, 5572.0, 5417.0, 5644.0, 5464.0, 5618.0, 5698.0, 5714.0, 5447.0, 5265.0, 5518.0, 5483.0, 5525.0, 5704.0, 5288.0, 5677.0, 5528.0, 5270.0, 5573.0, 5648.0, 5432.0, 5557.0, 5669.0, 5503.0, 5477.0, 5428.0, 5505.0, 5388.0, 5351.0, 5434.0, 5564.0, 5579.0, 5538.0, 5603.0, 5378.0, 5504.0, 5633.0, 5274.0, 5492.0,

						5318.0, 5517.0, 5282.0, 5460.0, 5508.0, 5456.0, 5281.0, 5300.0, 5584.0, 5324.0, 5397.0, 5332.0, 5630.0, 5613.0, 5292.0, 5390.0 (number of hits: 6)
13	5500.0	9	1.0	333	1	5306.0, 5380.0, 5547.0, 5537.0, 5442.0, 5653.0, 5356.0, 5650.0, 5261.0, 5582.0, 5638.0, 5344.0, 5457.0, 5601.0, 5366.0, 5425.0, 5530.0, 5482.0, 5539.0, 5704.0, 5562.0, 5444.0, 5534.0, 5575.0, 5448.0, 5436.0, 5376.0, 5561.0, 5282.0, 5401.0, 5355.0, 5373.0, 5386.0, 5538.0, 5551.0, 5523.0, 5359.0, 5532.0, 5328.0, 5357.0, 5325.0, 5594.0, 5383.0, 5406.0, 5677.0, 5468.0, 5699.0, 5672.0, 5288.0, 5462.0, 5377.0, 5280.0, 5353.0, 5252.0, 5709.0, 5576.0, 5664.0, 5284.0, 5256.0, 5262.0, 5318.0, 5270.0, 5320.0, 5265.0, 5494.0, 5649.0, 5351.0, 5685.0, 5332.0, 5308.0, 5488.0, 5435.0, 5445.0, 5304.0, 5472.0, 5342.0, 5480.0, 5625.0, 5604.0, 5524.0, 5428.0, 5489.0, 5673.0, 5404.0, 5479.0, 5552.0, 5706.0, 5374.0, 5303.0, 5326.0, 5422.0, 5603.0, 5340.0, 5413.0, 5597.0, 5509.0, 5503.0, 5504.0, 5250.0, 5644.0 (number of hits: 4)
14	5500.0	9	1.0	333	1	5407.0, 5361.0, 5312.0, 5256.0, 5672.0, 5396.0, 5397.0, 5429.0, 5251.0, 5531.0, 5543.0, 5343.0, 5394.0, 5278.0, 5518.0, 5644.0, 5537.0, 5291.0, 5282.0, 5677.0, 5519.0, 5574.0, 5419.0, 5379.0, 5410.0, 5624.0, 5409.0, 5638.0, 5703.0, 5695.0, 5602.0, 5674.0, 5471.0, 5512.0, 5539.0, 5324.0, 5626.0, 5642.0, 5335.0, 5478.0, 5614.0, 5306.0, 5645.0, 5430.0, 5634.0, 5400.0, 5625.0, 5709.0, 5610.0, 5349.0, 5673.0, 5544.0, 5284.0, 5346.0, 5283.0, 5538.0, 5688.0, 5387.0, 5669.0, 5483.0, 5497.0, 5580.0, 5675.0, 5362.0, 5461.0, 5480.0, 5274.0, 5616.0, 5269.0, 5622.0, 5698.0, 5439.0, 5523.0, 5328.0, 5571.0, 5696.0, 5459.0, 5575.0, 5723.0, 5525.0, 5615.0, 5347.0, 5701.0, 5401.0, 5501.0, 5279.0, 5545.0, 5606.0, 5563.0, 5658.0, 5613.0, 5479.0, 5257.0, 5369.0, 5588.0, 5363.0, 5697.0, 5388.0, 5549.0, 5308.0 (number of hits: 2)
15	5500.0	9	1.0	333	1	5610.0, 5417.0, 5494.0, 5638.0, 5560.0, 5430.0, 5573.0, 5352.0, 5413.0, 5568.0, 5503.0, 5552.0, 5295.0, 5589.0, 5251.0, 5703.0, 5523.0, 5598.0, 5700.0, 5624.0, 5383.0, 5319.0, 5321.0, 5257.0, 5397.0, 5690.0, 5433.0, 5254.0, 5358.0, 5686.0, 5625.0, 5723.0, 5446.0, 5427.0, 5689.0, 5701.0, 5270.0, 5516.0, 5258.0, 5405.0, 5634.0, 5346.0, 5340.0, 5415.0, 5306.0, 5411.0, 5339.0, 5708.0, 5400.0, 5592.0, 5440.0, 5359.0, 5351.0, 5669.0, 5263.0, 5457.0, 5329.0, 5561.0, 5668.0, 5344.0, 5259.0, 5262.0, 5281.0, 5706.0, 5550.0, 5354.0, 5253.0, 5521.0, 5422.0, 5615.0, 5673.0, 5719.0, 5255.0, 5273.0, 5681.0, 5328.0, 5656.0, 5345.0, 5588.0, 5525.0, 5325.0, 5476.0, 5291.0, 5543.0, 5637.0, 5296.0, 5604.0, 5331.0, 5280.0, 5713.0, 5512.0, 5418.0, 5294.0, 5313.0, 5664.0, 5410.0, 5575.0, 5609.0, 5459.0, 5623.0 (number of hits: 2)
16	5500.0	9	1.0	333	1	5672.0, 5720.0, 5333.0, 5632.0, 5675.0, 5433.0, 5474.0, 5555.0, 5404.0, 5566.0, 5693.0, 5407.0, 5607.0, 5677.0, 5261.0, 5511.0, 5492.0, 5434.0, 5459.0, 5588.0, 5339.0, 5712.0, 5323.0, 5368.0, 5650.0, 5633.0, 5360.0, 5504.0, 5525.0, 5483.0, 5642.0, 5689.0, 5595.0, 5384.0, 5496.0, 5661.0, 5301.0, 5364.0, 5532.0, 5470.0, 5655.0, 5499.0, 5568.0, 5334.0, 5547.0, 5664.0, 5673.0, 5437.0, 5659.0, 5603.0, 5608.0, 5252.0, 5477.0, 5495.0, 5613.0, 5380.0, 5471.0, 5264.0, 5682.0, 5295.0, 5390.0, 5622.0, 5457.0, 5312.0, 5294.0, 5554.0, 5274.0, 5262.0, 5292.0, 5280.0, 5634.0, 5461.0, 5468.0, 5594.0, 5417.0, 5654.0, 5649.0, 5623.0, 5327.0, 5620.0, 5321.0, 5275.0, 5279.0, 5426.0, 5487.0, 5722.0, 5522.0, 5516.0, 5328.0, 5668.0, 5618.0,

						5637.0, 5458.0, 5414.0, 5639.0, 5539.0, 5656.0, 5644.0, 5422.0, 5343.0 (number of hits: 5)
17	5500.0	9	1.0	333	1	5321.0, 5550.0, 5465.0, 5339.0, 5554.0, 5305.0, 5279.0, 5579.0, 5502.0, 5439.0, 5693.0, 5354.0, 5299.0, 5643.0, 5303.0, 5633.0, 5533.0, 5388.0, 5678.0, 5251.0, 5649.0, 5344.0, 5645.0, 5395.0, 5468.0, 5569.0, 5666.0, 5286.0, 5282.0, 5690.0, 5568.0, 5566.0, 5385.0, 5697.0, 5359.0, 5278.0, 5289.0, 5458.0, 5312.0, 5721.0, 5662.0, 5254.0, 5294.0, 5680.0, 5391.0, 5343.0, 5695.0, 5326.0, 5466.0, 5488.0, 5437.0, 5329.0, 5501.0, 5534.0, 5477.0, 5349.0, 5381.0, 5595.0, 5591.0, 5647.0, 5273.0, 5572.0, 5490.0, 5717.0, 5621.0, 5260.0, 5567.0, 5265.0, 5417.0, 5491.0, 5374.0, 5392.0, 5402.0, 5613.0, 5389.0, 5664.0, 5471.0, 5283.0, 5479.0, 5318.0, 5519.0, 5559.0, 5487.0, 5369.0, 5615.0, 5367.0, 5686.0, 5667.0, 5586.0, 5363.0, 5688.0, 5512.0, 5270.0, 5284.0, 5503.0, 5689.0, 5629.0, 5597.0, 5304.0, 5560.0 (number of hits: 5)
18	5500.0	9	1.0	333	1	5386.0, 5299.0, 5590.0, 5269.0, 5277.0, 5498.0, 5651.0, 5568.0, 5650.0, 5632.0, 5653.0, 5306.0, 5721.0, 5497.0, 5481.0, 5474.0, 5594.0, 5496.0, 5394.0, 5619.0, 5424.0, 5416.0, 5464.0, 5608.0, 5462.0, 5381.0, 5461.0, 5298.0, 5665.0, 5266.0, 5503.0, 5296.0, 5352.0, 5582.0, 5318.0, 5307.0, 5679.0, 5342.0, 5465.0, 5445.0, 5623.0, 5694.0, 5491.0, 5657.0, 5417.0, 5610.0, 5455.0, 5469.0, 5345.0, 5717.0, 5426.0, 5492.0, 5430.0, 5391.0, 5605.0, 5615.0, 5379.0, 5344.0, 5538.0, 5604.0, 5427.0, 5338.0, 5606.0, 5440.0, 5267.0, 5527.0, 5272.0, 5456.0, 5643.0, 5457.0, 5300.0, 5400.0, 5355.0, 5482.0, 5693.0, 5553.0, 5522.0, 5336.0, 5510.0, 5377.0, 5303.0, 5419.0, 5429.0, 5660.0, 5447.0, 5649.0, 5378.0, 5644.0, 5441.0, 5347.0, 5507.0, 5285.0, 5540.0, 5574.0, 5672.0, 5409.0, 5258.0, 5506.0, 5635.0, 5343.0 (number of hits: 8)
19	5500.0	9	1.0	333	1	5448.0, 5282.0, 5267.0, 5716.0, 5260.0, 5374.0, 5375.0, 5454.0, 5540.0, 5384.0, 5331.0, 5403.0, 5323.0, 5255.0, 5270.0, 5519.0, 5422.0, 5390.0, 5371.0, 5347.0, 5339.0, 5683.0, 5674.0, 5315.0, 5417.0, 5585.0, 5468.0, 5351.0, 5592.0, 5308.0, 5636.0, 5358.0, 5718.0, 5335.0, 5290.0, 5565.0, 5601.0, 5604.0, 5567.0, 5309.0, 5719.0, 5283.0, 5715.0, 5622.0, 5543.0, 5431.0, 5262.0, 5356.0, 5528.0, 5397.0, 5552.0, 5444.0, 5414.0, 5369.0, 5300.0, 5408.0, 5439.0, 5646.0, 5486.0, 5626.0, 5611.0, 5429.0, 5687.0, 5539.0, 5503.0, 5461.0, 5367.0, 5482.0, 5488.0, 5499.0, 5455.0, 5474.0, 5583.0, 5664.0, 5256.0, 5326.0, 5304.0, 5406.0, 5254.0, 5594.0, 5720.0, 5337.0, 5593.0, 5457.0, 5530.0, 5450.0, 5584.0, 5517.0, 5293.0, 5376.0, 5278.0, 5652.0, 5642.0, 5317.0, 5695.0, 5285.0, 5629.0, 5632.0, 5478.0, 5302.0 (number of hits: 2)
20	5500.0	9	1.0	333	1	5712.0, 5395.0, 5585.0, 5668.0, 5648.0, 5516.0, 5397.0, 5427.0, 5368.0, 5719.0, 5474.0, 5410.0, 5649.0, 5580.0, 5267.0, 5708.0, 5630.0, 5259.0, 5565.0, 5689.0, 5550.0, 5260.0, 5672.0, 5373.0, 5438.0, 5528.0, 5522.0, 5632.0, 5526.0, 5295.0, 5272.0, 5681.0, 5362.0, 5377.0, 5266.0, 5392.0, 5647.0, 5352.0, 5695.0, 5342.0, 5453.0, 5359.0, 5364.0, 5666.0, 5256.0, 5299.0, 5679.0, 5285.0, 5460.0, 5311.0, 5671.0, 5511.0, 5313.0, 5707.0, 5527.0, 5658.0, 5388.0, 5401.0, 5484.0, 5465.0, 5621.0, 5641.0, 5593.0, 5283.0, 5698.0, 5371.0, 5619.0, 5423.0, 5344.0, 5594.0, 5328.0, 5493.0, 5323.0, 5505.0, 5595.0, 5664.0, 5517.0, 5537.0, 5448.0, 5271.0, 5705.0, 5419.0, 5572.0, 5543.0, 5578.0, 5363.0, 5384.0, 5635.0, 5414.0, 5547.0, 5297.0, 5519.0, 5492.0, 5704.0, 5620.0, 5347.0, 5322.0, 5496.0,

						5455.0, 5372.0 (number of hits: 4)
21	5500.0	9	1.0	333	1	5509.0, 5490.0, 5720.0, 5306.0, 5705.0, 5544.0, 5474.0, 5377.0, 5445.0, 5621.0, 5282.0, 5392.0, 5611.0, 5413.0, 5380.0, 5428.0, 5430.0, 5556.0, 5373.0, 5715.0, 5645.0, 5436.0, 5522.0, 5491.0, 5284.0, 5448.0, 5501.0, 5423.0, 5367.0, 5528.0, 5404.0, 5521.0, 5455.0, 5514.0, 5533.0, 5664.0, 5297.0, 5679.0, 5396.0, 5574.0, 5489.0, 5274.0, 5321.0, 5708.0, 5675.0, 5480.0, 5456.0, 5571.0, 5487.0, 5412.0, 5353.0, 5625.0, 5714.0, 5721.0, 5667.0, 5471.0, 5496.0, 5555.0, 5548.0, 5382.0, 5264.0, 5482.0, 5268.0, 5294.0, 5390.0, 5546.0, 5366.0, 5305.0, 5582.0, 5342.0, 5405.0, 5251.0, 5539.0, 5649.0, 5289.0, 5520.0, 5262.0, 5663.0, 5434.0, 5267.0, 5422.0, 5362.0, 5330.0, 5605.0, 5435.0, 5636.0, 5300.0, 5288.0, 5590.0, 5256.0, 5627.0, 5706.0, 5633.0, 5616.0, 5563.0, 5618.0, 5385.0, 5314.0, 5581.0, 5432.0 (number of hits: 5)
22	5500.0	9	1.0	333	1	5505.0, 5575.0, 5552.0, 5474.0, 5689.0, 5550.0, 5383.0, 5639.0, 5522.0, 5554.0, 5278.0, 5519.0, 5478.0, 5406.0, 5417.0, 5476.0, 5466.0, 5282.0, 5454.0, 5670.0, 5540.0, 5597.0, 5556.0, 5270.0, 5525.0, 5660.0, 5337.0, 5315.0, 5298.0, 5379.0, 5461.0, 5316.0, 5555.0, 5401.0, 5683.0, 5574.0, 5714.0, 5659.0, 5404.0, 5442.0, 5545.0, 5596.0, 5712.0, 5305.0, 5320.0, 5608.0, 5611.0, 5436.0, 5605.0, 5511.0, 5681.0, 5458.0, 5444.0, 5361.0, 5614.0, 5426.0, 5682.0, 5716.0, 5261.0, 5441.0, 5328.0, 5568.0, 5661.0, 5673.0, 5352.0, 5380.0, 5339.0, 5268.0, 5706.0, 5527.0, 5262.0, 5452.0, 5645.0, 5501.0, 5589.0, 5697.0, 5722.0, 5528.0, 5666.0, 5273.0, 5601.0, 5640.0, 5498.0, 5472.0, 5386.0, 5451.0, 5677.0, 5548.0, 5267.0, 5364.0, 5632.0, 5281.0, 5321.0, 5254.0, 5585.0, 5717.0, 5621.0, 5424.0, 5665.0, 5329.0 (number of hits: 3)
23	5500.0	9	1.0	333	1	5258.0, 5310.0, 5564.0, 5296.0, 5555.0, 5584.0, 5356.0, 5444.0, 5293.0, 5311.0, 5327.0, 5591.0, 5674.0, 5445.0, 5324.0, 5463.0, 5267.0, 5625.0, 5387.0, 5443.0, 5411.0, 5256.0, 5483.0, 5252.0, 5645.0, 5318.0, 5552.0, 5599.0, 5488.0, 5374.0, 5266.0, 5521.0, 5723.0, 5628.0, 5678.0, 5571.0, 5272.0, 5695.0, 5285.0, 5550.0, 5350.0, 5457.0, 5522.0, 5715.0, 5529.0, 5712.0, 5696.0, 5398.0, 5566.0, 5362.0, 5265.0, 5348.0, 5441.0, 5464.0, 5492.0, 5402.0, 5553.0, 5608.0, 5331.0, 5426.0, 5705.0, 5280.0, 5533.0, 5460.0, 5405.0, 5507.0, 5513.0, 5563.0, 5358.0, 5501.0, 5419.0, 5337.0, 5303.0, 5687.0, 5368.0, 5270.0, 5269.0, 5602.0, 5598.0, 5286.0, 5685.0, 5542.0, 5459.0, 5370.0, 5430.0, 5669.0, 5429.0, 5720.0, 5372.0, 5332.0, 5659.0, 5340.0, 5428.0, 5291.0, 5344.0, 5261.0, 5453.0, 5364.0, 5722.0, 5422.0 (number of hits: 3)
24	5500.0	9	1.0	333	1	5415.0, 5302.0, 5428.0, 5495.0, 5265.0, 5564.0, 5281.0, 5452.0, 5501.0, 5382.0, 5389.0, 5686.0, 5352.0, 5720.0, 5712.0, 5413.0, 5482.0, 5699.0, 5405.0, 5255.0, 5498.0, 5626.0, 5592.0, 5659.0, 5424.0, 5360.0, 5404.0, 5421.0, 5438.0, 5414.0, 5569.0, 5384.0, 5353.0, 5567.0, 5661.0, 5542.0, 5343.0, 5351.0, 5642.0, 5292.0, 5289.0, 5694.0, 5479.0, 5549.0, 5650.0, 5422.0, 5300.0, 5664.0, 5417.0, 5597.0, 5581.0, 5502.0, 5533.0, 5466.0, 5320.0, 5596.0, 5602.0, 5335.0, 5492.0, 5719.0, 5434.0, 5308.0, 5574.0, 5582.0, 5436.0, 5258.0, 5523.0, 5669.0, 5558.0, 5515.0, 5307.0, 5371.0, 5325.0, 5611.0, 5355.0, 5697.0, 5362.0, 5358.0, 5395.0, 5481.0, 5279.0, 5388.0, 5663.0, 5576.0, 5488.0, 5453.0, 5287.0, 5520.0, 5349.0, 5266.0, 5627.0, 5310.0, 5407.0, 5251.0, 5433.0, 5673.0, 5345.0, 5559.0, 5430.0, 5326.0 (number of hits: 5)

25	5500.0	9	1.0	333	1	5317.0, 5678.0, 5252.0, 5457.0, 5426.0, 5299.0, 5568.0, 5439.0, 5494.0, 5709.0, 5484.0, 5284.0, 5462.0, 5624.0, 5346.0, 5370.0, 5442.0, 5335.0, 5518.0, 5680.0, 5305.0, 5466.0, 5485.0, 5444.0, 5669.0, 5600.0, 5389.0, 5394.0, 5554.0, 5509.0, 5723.0, 5267.0, 5626.0, 5560.0, 5326.0, 5325.0, 5341.0, 5665.0, 5628.0, 5269.0, 5293.0, 5657.0, 5471.0, 5272.0, 5488.0, 5413.0, 5666.0, 5582.0, 5461.0, 5643.0, 5407.0, 5334.0, 5291.0, 5593.0, 5359.0, 5347.0, 5565.0, 5661.0, 5640.0, 5544.0, 5264.0, 5574.0, 5409.0, 5619.0, 5649.0, 5465.0, 5421.0, 5562.0, 5589.0, 5453.0, 5710.0, 5362.0, 5571.0, 5301.0, 5297.0, 5385.0, 5274.0, 5528.0, 5681.0, 5282.0, 5379.0, 5338.0, 5598.0, 5630.0, 5505.0, 5561.0, 5451.0, 5642.0, 5261.0, 5625.0, 5548.0, 5557.0, 5620.0, 5251.0, 5550.0, 5479.0, 5445.0, 5446.0, 5342.0, 5289.0 (number of hits: 3)
26	5500.0	9	1.0	333	1	5654.0, 5317.0, 5704.0, 5699.0, 5650.0, 5315.0, 5551.0, 5347.0, 5460.0, 5377.0, 5409.0, 5445.0, 5552.0, 5540.0, 5664.0, 5371.0, 5684.0, 5318.0, 5500.0, 5336.0, 5663.0, 5411.0, 5303.0, 5338.0, 5413.0, 5575.0, 5294.0, 5701.0, 5357.0, 5455.0, 5369.0, 5324.0, 5366.0, 5542.0, 5660.0, 5291.0, 5681.0, 5545.0, 5431.0, 5533.0, 5438.0, 5531.0, 5267.0, 5711.0, 5687.0, 5560.0, 5299.0, 5481.0, 5344.0, 5306.0, 5710.0, 5523.0, 5349.0, 5391.0, 5524.0, 5530.0, 5358.0, 5718.0, 5538.0, 5448.0, 5633.0, 5640.0, 5488.0, 5498.0, 5588.0, 5430.0, 5702.0, 5304.0, 5258.0, 5712.0, 5406.0, 5262.0, 5541.0, 5536.0, 5399.0, 5569.0, 5382.0, 5466.0, 5597.0, 5565.0, 5679.0, 5395.0, 5364.0, 5378.0, 5434.0, 5403.0, 5492.0, 5722.0, 5259.0, 5496.0, 5703.0, 5668.0, 5309.0, 5691.0, 5696.0, 5295.0, 5365.0, 5490.0, 5614.0, 5458.0 (number of hits: 5)
27	5500.0	9	1.0	333	1	5353.0, 5683.0, 5479.0, 5377.0, 5646.0, 5460.0, 5673.0, 5633.0, 5608.0, 5559.0, 5658.0, 5542.0, 5267.0, 5402.0, 5338.0, 5349.0, 5339.0, 5594.0, 5664.0, 5428.0, 5533.0, 5493.0, 5296.0, 5687.0, 5425.0, 5470.0, 5573.0, 5630.0, 5291.0, 5718.0, 5629.0, 5435.0, 5264.0, 5719.0, 5697.0, 5361.0, 5255.0, 5442.0, 5458.0, 5481.0, 5648.0, 5491.0, 5513.0, 5607.0, 5409.0, 5414.0, 5250.0, 5710.0, 5258.0, 5365.0, 5698.0, 5354.0, 5576.0, 5466.0, 5651.0, 5362.0, 5528.0, 5276.0, 5653.0, 5600.0, 5270.0, 5313.0, 5385.0, 5598.0, 5269.0, 5592.0, 5380.0, 5284.0, 5667.0, 5382.0, 5485.0, 5374.0, 5662.0, 5371.0, 5401.0, 5636.0, 5445.0, 5624.0, 5556.0, 5375.0, 5615.0, 5579.0, 5312.0, 5386.0, 5271.0, 5379.0, 5406.0, 5393.0, 5331.0, 5426.0, 5631.0, 5682.0, 5437.0, 5709.0, 5509.0, 5702.0, 5605.0, 5357.0, 5690.0, 5539.0 (number of hits: 3)
28	5500.0	9	1.0	333	1	5276.0, 5586.0, 5447.0, 5581.0, 5295.0, 5346.0, 5656.0, 5421.0, 5271.0, 5681.0, 5571.0, 5604.0, 5627.0, 5635.0, 5500.0, 5397.0, 5267.0, 5259.0, 5530.0, 5467.0, 5482.0, 5657.0, 5354.0, 5255.0, 5577.0, 5540.0, 5520.0, 5363.0, 5358.0, 5307.0, 5668.0, 5564.0, 5472.0, 5537.0, 5430.0, 5468.0, 5375.0, 5670.0, 5510.0, 5555.0, 5504.0, 5703.0, 5403.0, 5652.0, 5709.0, 5644.0, 5609.0, 5270.0, 5626.0, 5662.0, 5288.0, 5563.0, 5621.0, 5580.0, 5269.0, 5368.0, 5440.0, 5669.0, 5391.0, 5320.0, 5420.0, 5258.0, 5474.0, 5337.0, 5634.0, 5340.0, 5548.0, 5543.0, 5569.0, 5650.0, 5700.0, 5428.0, 5515.0, 5632.0, 5426.0, 5663.0, 5533.0, 5643.0, 5266.0, 5356.0, 5517.0, 5532.0, 5560.0, 5702.0, 5715.0, 5699.0, 5572.0, 5637.0, 5452.0, 5591.0, 5483.0, 5465.0, 5324.0, 5349.0, 5284.0, 5512.0, 5484.0, 5523.0, 5365.0, 5362.0 (number of hits: 2)
29	5500.0	9	1.0	333	1	5413.0, 5633.0, 5556.0, 5618.0, 5286.0, 5553.0, 5370.0,

						5621.0, 5596.0, 5298.0, 5320.0, 5549.0, 5480.0, 5314.0, 5501.0, 5532.0, 5659.0, 5657.0, 5482.0, 5300.0, 5718.0, 5264.0, 5666.0, 5449.0, 5519.0, 5333.0, 5407.0, 5344.0, 5527.0, 5579.0, 5398.0, 5619.0, 5700.0, 5611.0, 5617.0, 5594.0, 5562.0, 5490.0, 5419.0, 5598.0, 5678.0, 5543.0, 5349.0, 5294.0, 5386.0, 5278.0, 5644.0, 5290.0, 5271.0, 5424.0, 5465.0, 5295.0, 5566.0, 5716.0, 5703.0, 5322.0, 5266.0, 5440.0, 5342.0, 5326.0, 5713.0, 5590.0, 5335.0, 5512.0, 5357.0, 5292.0, 5683.0, 5332.0, 5645.0, 5354.0, 5472.0, 5535.0, 5612.0, 5463.0, 5470.0, 5707.0, 5315.0, 5642.0, 5257.0, 5293.0, 5613.0, 5368.0, 5647.0, 5403.0, 5267.0, 5394.0, 5331.0, 5289.0, 5708.0, 5486.0, 5317.0, 5429.0, 5580.0, 5387.0, 5712.0, 5614.0, 5338.0, 5274.0, 5552.0, 5409.0 (number of hits: 2)
30	5500.0	9	1.0	333	1	5548.0, 5647.0, 5523.0, 5326.0, 5634.0, 5622.0, 5721.0, 5465.0, 5434.0, 5293.0, 5371.0, 5506.0, 5512.0, 5303.0, 5352.0, 5317.0, 5662.0, 5321.0, 5665.0, 5670.0, 5570.0, 5513.0, 5268.0, 5345.0, 5446.0, 5264.0, 5333.0, 5482.0, 5636.0, 5641.0, 5680.0, 5504.0, 5563.0, 5724.0, 5461.0, 5637.0, 5535.0, 5484.0, 5706.0, 5618.0, 5584.0, 5277.0, 5412.0, 5573.0, 5362.0, 5329.0, 5718.0, 5366.0, 5363.0, 5654.0, 5580.0, 5555.0, 5577.0, 5379.0, 5639.0, 5473.0, 5377.0, 5516.0, 5267.0, 5679.0, 5402.0, 5423.0, 5429.0, 5444.0, 5509.0, 5380.0, 5479.0, 5565.0, 5339.0, 5663.0, 5571.0, 5456.0, 5556.0, 5578.0, 5258.0, 5388.0, 5515.0, 5433.0, 5280.0, 5544.0, 5250.0, 5582.0, 5625.0, 5681.0, 5387.0, 5442.0, 5612.0, 5271.0, 5664.0, 5354.0, 5587.0, 5591.0, 5425.0, 5389.0, 5502.0, 5443.0, 5358.0, 5644.0, 5620.0, 5462.0 (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	100 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	83.3 %	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	70	1.0	758	1
2	62	1.0	858	1
3	59	1.0	898	1
4	18	1.0	3066	1
5	78	1.0	678	1
6	63	1.0	838	1
7	99	1.0	538	1
8	95	1.0	558	1
9	76	1.0	698	1
10	86	1.0	618	1
11	65	1.0	818	1
12	89	1.0	598	1
13	83	1.0	638	1
14	67	1.0	798	1
15	58	1.0	918	1
16	51	1.0	1044	1
17	23	1.0	2396	1
18	52	1.0	1033	1
19	24	1.0	2242	1
20	61	1.0	876	1
21	21	1.0	2549	1
22	34	1.0	1574	1
23	81	1.0	657	1
24	19	1.0	2904	1
25	49	1.0	1079	1
26	60	1.0	892	1
27	50	1.0	1075	1
28	27	1.0	1981	1
29	32	1.0	1674	1
30	36	1.0	1474	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	26	1.6	189	0
2	25	1.1	181	1
3	27	3.6	190	1
4	23	3.2	169	1
5	27	1.4	186	0
6	26	2.4	165	1
7	25	3.8	163	1
8	28	1.4	159	1
9	29	2.2	207	1
10	24	1.8	168	1
11	28	4.5	217	1
12	23	2.8	179	0
13	23	3.2	183	1
14	26	1.6	171	1
15	29	1.4	220	0
16	29	3.1	176	1
17	27	1.2	155	1
18	26	3.3	181	1
19	28	4.0	207	1
20	24	3.4	220	0
21	26	4.9	202	1
22	25	4.3	150	1
23	28	4.5	179	0
24	25	1.8	220	0
25	25	1.5	202	1
26	29	4.1	210	1
27	23	2.9	183	1
28	25	2.2	178	1
29	28	4.2	197	1
30	28	1.8	227	1
Detection Percentage: 76.7 % (>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	16	8.5	254	1
2	17	6.3	458	0
3	17	6.1	282	1
4	16	6.1	281	1
5	16	8.2	222	1
6	18	7.2	476	1
7	17	8.3	316	1
8	18	9.4	206	1
9	18	9.1	420	1
10	17	7.9	337	1
11	18	7.8	478	1
12	16	6.5	265	1
13	18	8.1	373	1
14	16	8.7	373	0
15	18	7.9	390	0
16	16	6.8	371	1
17	17	7.3	470	1
18	16	9.7	376	1
19	16	8.2	242	1
20	17	8.9	480	1
21	18	9.6	472	1
22	18	6.5	318	1
23	16	6.9	478	0
24	17	6.6	373	1
25	18	7.3	260	0
26	16	7.4	409	1
27	16	9.1	475	1
28	17	6.1	210	1
29	18	6.9	443	1
30	17	6.9	277	0
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	14	12.8	216	0
2	13	13.0	346	1
3	13	13.9	246	1
4	16	14.5	458	0
5	12	17.3	268	1
6	15	12.4	414	1
7	13	19.4	430	1
8	14	19.2	370	1
9	13	18.3	287	1
10	15	12.7	310	1
11	12	15.4	463	0
12	13	17.7	299	1
13	16	18.4	421	1
14	13	12.9	252	1
15	13	17.4	347	1
16	14	12.6	386	1
17	14	19.5	425	1
18	13	16.8	304	1
19	14	16.7	371	1
20	14	16.6	345	1
21	13	16.2	329	1
22	16	19.5	445	1
23	13	17.2	277	0
24	13	14.4	207	0
25	13	18.7	278	1
26	14	15.9	349	1
27	14	15.8	450	1
28	14	18.1	359	1
29	13	11.5	312	1
30	16	17.8	393	1
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5494.2	1
12	5498.6	1
13	5495.0	1
14	5494.6	1
15	5494.6	1
16	5495.4	1
17	5497.0	1
18	5497.8	1
19	5495.8	1
20	5498.6	1
21	5522.6	1
22	5527.0	1
23	5523.8	1
24	5521.8	1
25	5527.0	1
26	5525.0	1
27	5521.0	1
28	5522.6	1
29	5523.0	1
30	5523.4	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	12	74.6			0.228640	1
1	2	12	94.5	1156		1.023297	
2	2	12	80.1	1544		2.082227	
3	1	12	64.8			3.341858	
4	2	12	74.8	1337		3.818379	
5	2	12	87.2	1964		5.108760	
6	2	12	63.8	1512		5.907055	
7	1	12	65.8			6.045071	
8	1	12	62.8			7.676476	
9	2	12	97.8	1948		8.472335	
10	1	12	67.4			9.168741	
11	3	12	87.6	1425	1124	9.886362	
12	2	12	84.1	1150		10.902843	
13	3	12	83.6	1307	1625	11.557775	

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	93.1	1581		0.084050	1
1	1	6	70.9			0.943688	
2	1	6	67.9			2.630369	
3	3	6	73.6	1744	1973	3.573563	
4	2	6	88.7	1846		4.340232	
5	1	6	100.0			5.319941	
6	2	6	90.9	1212		5.613453	
7	1	6	52.7			6.931150	
8	1	6	98.7			8.275130	
9	2	6	63.3	1157		8.885893	
10	1	6	72.8			9.428093	
11	2	6	86.1	1290		10.649549	
12	2	6	98.3	1634		11.420957	

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	8	83.0	1831		1.035954	1
1	3	8	86.9	1585	1145	1.509084	
2	2	8	63.0	1060		2.440173	
3	2	8	78.0	1018		3.883199	
4	2	8	55.5	1049		5.099014	
5	2	8	58.1	1111		6.005040	
6	3	8	90.5	1983	1973	8.124631	
7	2	8	76.9	1037		8.432489	
8	2	8	98.2	1922		10.662932	
9	2	8	87.5	1198		10.943280	

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	6	72.4			0.320496	1
1	2	6	87.7	1778		1.214079	
2	1	6	58.8			3.232047	
3	3	6	69.5	1563	1512	4.124351	
4	2	6	67.8	1916		5.587841	
5	1	6	96.1			6.231508	
6	2	6	82.0	1707		7.722126	
7	3	6	67.2	1470	1520	9.224057	
8	2	6	73.6	1791		10.010500	
9	1	6	69.9			11.783153	

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	80.7	1132		0.496915	1
1	1	12	77.2			1.008573	
2	2	12	93.7	1995		2.030334	
3	2	12	67.8	1300		2.700301	
4	2	12	95.0	1280		3.037175	
5	2	12	92.7	1019		4.397030	
6	3	12	87.2	1128	1194	4.588301	
7	2	12	69.0	1483		5.289271	
8	3	12	51.6	1993	1562	6.394998	
9	1	12	73.5			7.430330	
10	2	12	93.8	1605		7.734253	
11	2	12	82.8	1946		8.745634	
12	3	12	78.0	1384	1727	9.589189	
13	2	12	84.9	1309		10.011067	
14	2	12	89.6	1392		10.554383	
15	2	12	79.1	1261		11.260262	

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	70.5	1304		0.232753	1
1	3	13	95.8	1485	1433	1.570252	
2	2	13	56.3	1867		3.172131	
3	2	13	82.6	1177		4.598052	
4	2	13	65.5	1380		5.788629	
5	2	13	65.5	1660		6.458130	
6	2	13	81.1	1305		7.345515	
7	1	13	52.4			8.456830	
8	2	13	95.0	1114		10.190243	
9	3	13	68.5	1784	1775	11.449655	

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	67.7	1069		0.691431	
1	2	6	84.0	1267		1.246565	
2	1	6	77.5			2.112629	
3	3	6	98.8	1358	1548	2.544233	
4	2	6	77.9	1600		3.315614	
5	3	6	91.0	1288	1507	3.595524	
6	2	6	56.3	1900		4.241994	
7	2	6	78.4	1843		5.301308	
8	2	6	90.9	1833		5.979791	1
9	2	6	86.4	1773		6.398098	
10	2	6	77.4	1885		7.380703	
11	3	6	98.1	1211	1759	8.424759	
12	2	6	89.5	1689		8.557055	
13	2	6	61.5	1241		9.802403	
14	2	6	99.5	1798		10.180238	
15	2	6	54.3	1069		10.963399	
16	1	6	50.9			11.427712	

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	66.0	1377		1.112309	
1	1	7	61.5			2.076206	
2	2	7	77.9	1876		3.244803	
3	3	7	86.6	1484	1124	4.139775	
4	1	7	69.9			6.328586	1
5	2	7	72.6	1016		7.216151	
6	1	7	70.4			8.104053	
7	1	7	98.6			10.289458	
8	1	7	65.2			11.978817	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	53.0	1715		0.594923	
1	1	10	60.4			1.257493	
2	2	10	90.8	1590		2.030043	
3	1	10	68.1			3.111127	
4	1	10	97.6			3.748418	
5	3	10	75.2	1883	1793	4.994173	
6	2	10	87.7	1867		6.038994	1
7	2	10	60.4	1325		7.028830	
8	1	10	91.8			8.229938	
9	1	10	88.2			8.581429	
10	2	10	70.9	1450		9.890258	
11	1	10	98.3			10.753167	
12	1	10	67.9			11.665006	

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	5	53.0	1677		1.118372	
1	2	5	90.8	1313		2.018360	
2	2	5	83.8	1725		3.678892	
3	3	5	53.6	1172	1031	4.727902	
4	1	5	60.2			5.816358	1
5	2	5	67.2	1138		7.170195	
6	2	5	53.7	1572		9.308845	
7	3	5	69.4	1102	1868	9.966412	
8	3	5	91.9	1630	1020	11.710377	

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	86.3	1935		0.931519	1
1	2	8	93.1	1576		1.722657	
2	3	8	96.4	1909	1049	2.553104	
3	1	8	73.9			3.541845	
4	3	8	63.7	1575	1283	4.525891	
5	2	8	77.6	1872		5.604662	
6	1	8	73.7			6.134767	
7	2	8	56.1	1610		7.726653	
8	1	8	89.3			8.781469	
9	1	8	67.8			9.825945	
10	2	8	85.8	1592		10.874863	
11	2	8	54.1	1415		11.488638	

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	96.2	1796		1.060873	1
1	2	19	56.9	1625		2.123232	
2	1	19	85.2			2.740761	
3	2	19	88.7	1207		3.860919	
4	3	19	91.7	1631	1088	5.962125	
5	2	19	64.8	1743		6.980134	
6	3	19	62.9	1709	1775	7.405769	
7	3	19	95.9	1103	1779	8.931014	
8	1	19	53.6			9.752240	
9	2	19	69.6	1631		11.617134	

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	96.4	1671	1870	0.151306	
1	2	10	59.1	1631		1.427076	
2	2	10	94.8	1746		2.200522	
3	2	10	56.7	1831		3.692995	
4	2	10	79.3	1609		5.124325	
5	3	10	69.7	1671	1433	5.539966	1
6	2	10	92.3	1486		7.525544	
7	1	10	79.6			8.203903	
8	1	10	72.4			9.605872	
9	2	10	72.6	1989		10.268419	
10	3	10	94.5	1754	1009	11.864481	

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	98.4			0.035434	
1	2	9	99.2	1853		0.841832	
2	2	9	90.3	1809		1.942804	
3	3	9	77.9	1942	1530	2.773961	
4	1	9	54.1			3.521654	
5	3	9	94.2	1202	1691	4.647903	
6	2	9	67.9	1135		5.030894	
7	1	9	98.6			6.033322	1
8	2	9	69.4	1380		6.455715	
9	1	9	83.8			7.417450	
10	2	9	51.5	1428		8.388858	
11	1	9	65.4			9.138539	
12	2	9	50.4	1557		10.126701	
13	3	9	62.7	1477	1001	10.901471	
14	1	9	78.9			11.279530	

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	76.1	1498	1485	0.066723	1
1	3	9	88.4	1049	1398	2.692156	
2	1	9	88.5			3.240938	
3	1	9	97.3			5.231786	
4	3	9	80.9	1813	1705	6.743178	
5	3	9	87.7	1415	1067	7.985050	
6	2	9	61.2	1395		9.844378	
7	2	9	76.8	1839		11.529471	

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	11	91.6			0.579472	1
1	3	11	61.4	1035	1639	0.996352	
2	3	11	72.6	1437	1236	1.683157	
3	2	11	54.9	1617		2.215167	
4	2	11	62.0	1665		2.567650	
5	1	11	94.9			3.243471	
6	2	11	81.3	1941		3.620955	
7	1	11	62.8			4.618861	
8	3	11	61.3	1329	1962	5.000374	
9	2	11	60.9	1483		5.764816	
10	3	11	58.8	1247	1362	6.456753	
11	3	11	84.4	1498	1231	6.622750	
12	1	11	95.5			7.547923	
13	3	11	57.8	1145	1364	8.329807	
14	2	11	51.6	1221		8.923688	
15	2	11	60.6	1400		9.455128	
16	2	11	94.0	1230		10.083558	
17	2	11	80.9	1990		10.640084	
18	2	11	75.0	1241		10.806550	
19	2	11	86.1	1363		11.496399	

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	97.0	1581		0.021978	1
1	1	15	55.8			1.696449	
2	3	15	96.0	1790	1031	3.192342	
3	2	15	67.5	1051		4.151677	
4	1	15	87.6			5.470363	
5	2	15	93.6	1655		6.642987	
6	2	15	56.5	1807		7.710964	
7	1	15	55.7			8.946608	
8	2	15	65.2	1668		10.516729	
9	1	15	57.5			11.233016	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	70.3	1796		1.106019	1
1	2	17	78.7	1364		2.485897	
2	2	17	89.5	1798		2.877871	
3	3	17	52.5	1163	1436	4.150611	
4	3	17	89.6	1009	1818	5.439344	
5	1	17	84.6			7.785805	
6	1	17	59.7			9.146096	
7	2	17	65.2	1902		10.388590	
8	1	17	70.8			10.753028	

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	12	86.4	1361		0.690473	1
1	2	12	69.7	1361		2.363800	
2	2	12	91.7	1240		3.173291	
3	3	12	82.5	1261	1680	5.130244	
4	2	12	86.1	1979		7.110982	
5	3	12	69.0	1463	1539	7.940177	
6	2	12	99.4	1346		10.248494	
7	2	12	53.4	1526		11.802374	

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	19	69.9			1.023165	1
1	3	19	74.1	1686	1088	1.825237	
2	1	19	86.7			3.102464	
3	2	19	70.5	1717		4.984148	
4	2	19	91.3	1153		5.469818	
5	2	19	55.5	1415		7.597627	
6	2	19	54.5	1127		8.954074	
7	2	19	55.6	1381		9.805706	
8	2	19	64.0	1760		11.903115	

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	16	86.3	1212		0.415971	1
1	2	16	56.8	1153		1.053827	
2	2	16	55.1	1243		1.436069	
3	2	16	54.2	1963		2.185720	
4	2	16	97.8	1628		2.672845	
5	1	16	99.6			3.873594	
6	2	16	81.5	1220		4.020278	
7	3	16	63.1	1239	1722	5.175947	
8	3	16	54.3	1222	1685	5.877034	
9	2	16	89.5	1598		6.521468	
10	2	16	96.7	1393		6.924448	
11	3	16	84.4	1224	1661	7.635535	
12	2	16	86.5	1499		8.659585	
13	2	16	73.7	1174		9.021670	
14	2	16	63.8	1035		9.856191	
15	3	16	93.8	1152	1087	10.602004	
16	2	16	64.9	1714		10.783952	
17	1	16	83.2			11.684786	

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	5	52.4	1951	1467	0.426869	1
1	2	5	73.5	1958		1.106724	
2	2	5	53.2	1865		2.062727	
3	3	5	57.4	1793	1184	2.853810	
4	1	5	92.9			3.667755	
5	2	5	63.3	1471		3.816773	
6	2	5	62.8	1142		5.014929	
7	2	5	69.4	1791		5.733185	
8	3	5	69.5	1750	1527	6.362680	
9	1	5	84.2			6.811920	
10	2	5	97.4	1885		7.542914	
11	3	5	73.5	1275	1310	8.689083	
12	2	5	99.9	1731		9.324651	
13	1	5	52.8			9.849956	
14	1	5	87.7			10.965429	
15	2	5	73.6	1966		11.439050	

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	13	79.2	1545		0.756405	1
1	2	13	59.1	1332		2.326834	
2	2	13	66.9	1671		3.485565	
3	2	13	70.7	1841		4.615348	
4	3	13	93.6	1104	1788	6.250750	
5	1	13	54.7			8.095706	
6	3	13	77.9	1496	1455	9.654545	
7	2	13	79.5	1167		10.889817	

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	68.2			0.127619	1
1	2	18	78.0	1097		0.671385	
2	2	18	90.9	1881		1.343766	
3	2	18	98.1	1928		2.228409	
4	3	18	65.0	1769	1953	2.652384	
5	2	18	91.8	1787		3.212230	
6	2	18	74.5	1309		3.829261	
7	1	18	61.9			4.727562	
8	2	18	88.0	1198		5.257510	
9	2	18	54.5	1755		5.933591	
10	1	18	58.3			6.480227	
11	3	18	93.6	1130	1427	7.123958	
12	1	18	68.9			7.781499	
13	1	18	81.1			8.555331	
14	3	18	69.0	1160	1252	9.329590	
15	1	18	52.4			9.947818	
16	3	18	99.1	1840	1222	10.509734	
17	2	18	87.3	1074		11.363023	
18	2	18	57.0	1014		11.709700	

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	55.8			0.135119	
1	3	5	74.2	1684	1164	0.899180	
2	1	5	55.5			1.648977	
3	2	5	96.6	1248		2.529188	
4	1	5	76.3			2.901274	
5	2	5	93.7	1723		4.043159	
6	2	5	82.2	1971		4.827150	
7	3	5	97.1	1287	1984	4.957274	
8	2	5	66.6	1965		5.677853	1
9	2	5	97.2	1276		6.947174	
10	2	5	82.7	1389		7.690461	
11	2	5	91.6	1280		8.139020	
12	2	5	58.6	1864		8.899137	
13	2	5	87.3	1717		9.274180	
14	2	5	72.9	1796		10.246070	
15	2	5	63.0	1695		10.613326	
16	2	5	59.1	1105		11.879678	

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	85.6			0.181561	
1	3	10	74.9	1643	1373	2.088225	
2	2	10	69.8	1300		2.664915	
3	3	10	59.9	1281	1306	4.355621	
4	2	10	55.0	1924		4.458262	
5	1	10	98.1			6.540396	1
6	1	10	71.4			6.748657	
7	3	10	58.9	1348	1629	7.677282	
8	3	10	96.0	1239	1302	8.848664	
9	3	10	50.3	1418	1082	10.359489	
10	2	10	80.6	1406		11.145177	

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	77.0	1514		0.028863	
1	2	20	91.2	1710		1.017941	
2	1	20	52.2			1.968958	
3	2	20	94.8	1424		2.675793	
4	3	20	76.0	1439	1502	3.296982	
5	3	20	68.1	1065	1138	4.416266	
6	1	20	70.8			5.499452	
7	1	20	76.1			6.080799	1
8	1	20	84.7			7.135671	
9	2	20	92.2	1933		7.229320	
10	2	20	81.5	1316		8.604616	
11	2	20	78.1	1002		8.856118	
12	2	20	93.8	1777		9.620301	
13	2	20	62.5	1796		10.566252	
14	2	20	84.9	1892		11.983937	

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	16	56.3			0.562906	1
1	3	16	53.8	1824	1580	1.639881	
2	3	16	80.3	1760	1964	3.016659	
3	3	16	90.2	1155	1160	3.920558	
4	2	16	93.1	1835		5.149431	
5	1	16	50.8			5.888917	
6	2	16	93.8	1621		7.245018	
7	3	16	54.8	1998	1187	7.992654	
8	3	16	93.9	1461	1941	9.652229	
9	3	16	58.9	1611	1462	9.849515	
10	2	16	72.4	1540		11.492907	

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	15	90.5	1197		0.910796	1
1	1	15	87.2			1.397110	
2	2	15	80.3	1146		3.558633	
3	3	15	94.7	1014	1539	4.135065	
4	3	15	73.9	1380	1610	5.651098	
5	2	15	91.7	1124		6.236606	
6	3	15	84.0	1964	1504	7.349672	
7	3	15	80.1	1925	1743	9.329113	
8	2	15	72.2	1836		10.329091	
9	2	15	99.7	1461		11.969721	

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	14	96.3	1442	1695	0.714982	
1	3	14	61.7	1622	1971	1.339214	
2	1	14	54.5			3.766678	
3	1	14	72.1			4.233777	
4	2	14	54.4	1539		6.149545	1
5	2	14	87.5	1129		6.970220	
6	1	14	60.1			9.082852	
7	1	14	86.8			9.686405	
8	2	14	91.9	1218		10.995807	

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	5265.0, 5515.0, 5411.0, 5438.0, 5610.0, 5280.0, 5589.0, 5570.0, 5300.0, 5483.0, 5317.0, 5639.0, 5362.0, 5475.0, 5590.0, 5422.0, 5643.0, 5264.0, 5267.0, 5626.0, 5617.0, 5342.0, 5358.0, 5686.0, 5573.0, 5331.0, 5552.0, 5470.0, 5484.0, 5709.0, 5273.0, 5582.0, 5674.0, 5466.0, 5266.0, 5524.0, 5549.0, 5337.0, 5560.0, 5682.0, 5471.0, 5377.0, 5441.0, 5636.0, 5513.0, 5442.0, 5272.0, 5427.0, 5469.0, 5316.0, 5603.0, 5640.0, 5648.0, 5281.0, 5713.0, 5420.0, 5620.0, 5254.0, 5344.0, 5391.0, 5293.0, 5685.0, 5701.0, 5530.0, 5465.0, 5520.0, 5601.0, 5286.0, 5462.0, 5656.0, 5649.0, 5322.0, 5677.0, 5596.0, 5663.0, 5537.0, 5556.0, 5332.0, 5628.0, 5251.0, 5584.0, 5538.0, 5369.0, 5359.0, 5356.0, 5379.0, 5657.0, 5352.0, 5569.0, 5417.0, 5622.0, 5653.0, 5532.0, 5575.0, 5667.0, 5334.0, 5448.0, 5568.0, 5502.0, 5625.0 (number of hits: 5)
2	5510.0	9	1.0	333	1	5278.0, 5615.0, 5706.0, 5309.0, 5531.0, 5656.0, 5271.0, 5439.0, 5329.0, 5292.0, 5491.0, 5564.0, 5673.0, 5319.0, 5416.0, 5587.0, 5538.0, 5403.0, 5586.0, 5566.0, 5380.0, 5254.0, 5488.0, 5533.0, 5283.0, 5264.0, 5458.0, 5713.0, 5682.0, 5450.0, 5600.0, 5536.0, 5286.0, 5411.0, 5454.0, 5456.0, 5440.0, 5700.0, 5399.0, 5622.0, 5291.0, 5616.0, 5550.0, 5266.0, 5689.0, 5679.0, 5721.0, 5372.0, 5346.0, 5534.0, 5443.0, 5678.0, 5540.0, 5511.0, 5295.0, 5694.0, 5617.0, 5366.0, 5636.0, 5543.0, 5652.0, 5526.0, 5377.0, 5352.0, 5585.0, 5559.0, 5568.0, 5677.0, 5698.0, 5312.0, 5406.0, 5446.0, 5337.0, 5339.0, 5341.0, 5310.0, 5705.0, 5404.0, 5327.0, 5313.0, 5643.0, 5668.0, 5333.0, 5357.0, 5362.0, 5697.0, 5401.0, 5670.0, 5492.0, 5364.0, 5718.0, 5649.0, 5407.0, 5323.0, 5388.0, 5692.0, 5489.0, 5542.0, 5290.0, 5447.0 (number of hits: 4)
3	5510.0	9	1.0	333	1	5375.0, 5440.0, 5417.0, 5660.0, 5623.0, 5677.0, 5433.0, 5638.0, 5666.0, 5640.0, 5568.0, 5444.0, 5278.0, 5268.0, 5472.0, 5277.0, 5598.0, 5346.0, 5407.0, 5272.0, 5279.0, 5252.0, 5487.0, 5429.0, 5619.0, 5286.0, 5479.0, 5291.0, 5576.0, 5340.0, 5651.0, 5495.0, 5700.0, 5476.0, 5681.0, 5552.0, 5682.0, 5431.0, 5515.0, 5381.0, 5410.0, 5541.0, 5393.0, 5566.0, 5403.0, 5263.0, 5517.0, 5524.0, 5392.0, 5404.0, 5352.0, 5421.0, 5565.0, 5617.0, 5697.0, 5304.0, 5400.0, 5562.0, 5411.0, 5300.0, 5691.0, 5620.0, 5325.0, 5368.0, 5571.0, 5575.0, 5690.0, 5451.0, 5626.0, 5388.0, 5542.0, 5372.0, 5679.0, 5673.0, 5668.0, 5601.0, 5332.0, 5503.0, 5371.0, 5713.0, 5275.0, 5328.0, 5379.0, 5560.0, 5665.0, 5321.0, 5414.0, 5362.0, 5661.0, 5257.0, 5573.0, 5437.0, 5384.0, 5366.0, 5312.0, 5461.0, 5319.0, 5471.0, 5569.0, 5335.0 (number of hits: 5)
4	5510.0	9	1.0	333	1	5719.0, 5602.0, 5446.0, 5576.0, 5523.0, 5288.0, 5453.0, 5284.0, 5303.0, 5346.0, 5267.0, 5309.0, 5252.0, 5717.0, 5557.0, 5591.0, 5423.0, 5555.0, 5620.0, 5338.0, 5603.0, 5563.0, 5258.0, 5637.0, 5647.0, 5391.0, 5713.0, 5704.0, 5703.0, 5348.0, 5538.0, 5708.0, 5566.0, 5491.0, 5402.0, 5612.0, 5313.0, 5442.0, 5701.0, 5706.0, 5664.0, 5616.0, 5320.0, 5638.0, 5359.0, 5471.0, 5450.0, 5657.0, 5627.0, 5269.0, 5632.0, 5480.0, 5363.0, 5400.0, 5315.0, 5383.0, 5675.0, 5718.0, 5396.0, 5413.0, 5306.0, 5604.0, 5438.0, 5355.0, 5508.0, 5451.0, 5311.0, 5492.0, 5659.0, 5369.0,

						5430.0, 5304.0, 5509.0, 5598.0, 5715.0, 5260.0, 5547.0, 5507.0, 5393.0, 5357.0, 5551.0, 5382.0, 5684.0, 5394.0, 5645.0, 5583.0, 5639.0, 5656.0, 5351.0, 5670.0, 5302.0, 5584.0, 5390.0, 5376.0, 5671.0, 5259.0, 5611.0, 5262.0, 5406.0, 5331.0 (number of hits: 6)
5	5510.0	9	1.0	333	1	5712.0, 5691.0, 5669.0, 5300.0, 5278.0, 5438.0, 5348.0, 5638.0, 5305.0, 5255.0, 5428.0, 5475.0, 5468.0, 5423.0, 5579.0, 5430.0, 5580.0, 5465.0, 5688.0, 5581.0, 5416.0, 5642.0, 5511.0, 5668.0, 5282.0, 5539.0, 5408.0, 5338.0, 5460.0, 5597.0, 5271.0, 5550.0, 5297.0, 5602.0, 5605.0, 5317.0, 5680.0, 5676.0, 5625.0, 5594.0, 5700.0, 5486.0, 5612.0, 5509.0, 5331.0, 5709.0, 5262.0, 5555.0, 5490.0, 5714.0, 5390.0, 5375.0, 5377.0, 5667.0, 5372.0, 5312.0, 5256.0, 5506.0, 5553.0, 5452.0, 5544.0, 5699.0, 5443.0, 5690.0, 5586.0, 5321.0, 5326.0, 5469.0, 5289.0, 5299.0, 5721.0, 5689.0, 5619.0, 5417.0, 5264.0, 5311.0, 5328.0, 5706.0, 5570.0, 5678.0, 5414.0, 5429.0, 5335.0, 5534.0, 5653.0, 5711.0, 5257.0, 5400.0, 5464.0, 5710.0, 5461.0, 5322.0, 5571.0, 5673.0, 5542.0, 5684.0, 5522.0, 5451.0, 5686.0, 5604.0 (number of hits: 4)
6	5510.0	9	1.0	333	1	5511.0, 5362.0, 5359.0, 5256.0, 5281.0, 5467.0, 5312.0, 5425.0, 5315.0, 5482.0, 5678.0, 5453.0, 5540.0, 5587.0, 5407.0, 5271.0, 5516.0, 5497.0, 5680.0, 5501.0, 5353.0, 5385.0, 5456.0, 5617.0, 5533.0, 5471.0, 5556.0, 5428.0, 5711.0, 5317.0, 5306.0, 5343.0, 5541.0, 5458.0, 5444.0, 5409.0, 5477.0, 5368.0, 5473.0, 5630.0, 5633.0, 5253.0, 5518.0, 5455.0, 5321.0, 5316.0, 5655.0, 5619.0, 5452.0, 5566.0, 5510.0, 5335.0, 5690.0, 5627.0, 5417.0, 5580.0, 5304.0, 5297.0, 5371.0, 5582.0, 5386.0, 5346.0, 5521.0, 5585.0, 5531.0, 5389.0, 5696.0, 5705.0, 5520.0, 5500.0, 5439.0, 5718.0, 5443.0, 5416.0, 5311.0, 5401.0, 5598.0, 5459.0, 5532.0, 5691.0, 5465.0, 5563.0, 5647.0, 5435.0, 5388.0, 5601.0, 5491.0, 5451.0, 5472.0, 5344.0, 5537.0, 5412.0, 5474.0, 5712.0, 5636.0, 5524.0, 5608.0, 5671.0, 5331.0, 5681.0 (number of hits: 11)
7	5510.0	9	1.0	333	1	5284.0, 5351.0, 5548.0, 5525.0, 5334.0, 5502.0, 5626.0, 5591.0, 5422.0, 5554.0, 5254.0, 5327.0, 5411.0, 5483.0, 5269.0, 5416.0, 5265.0, 5289.0, 5258.0, 5496.0, 5490.0, 5405.0, 5663.0, 5385.0, 5512.0, 5376.0, 5719.0, 5699.0, 5387.0, 5667.0, 5469.0, 5283.0, 5580.0, 5278.0, 5429.0, 5367.0, 5583.0, 5394.0, 5578.0, 5523.0, 5297.0, 5657.0, 5509.0, 5714.0, 5650.0, 5383.0, 5273.0, 5696.0, 5354.0, 5565.0, 5531.0, 5608.0, 5458.0, 5436.0, 5680.0, 5412.0, 5319.0, 5600.0, 5683.0, 5262.0, 5612.0, 5472.0, 5372.0, 5415.0, 5423.0, 5684.0, 5277.0, 5634.0, 5673.0, 5303.0, 5556.0, 5435.0, 5460.0, 5544.0, 5400.0, 5399.0, 5322.0, 5305.0, 5348.0, 5461.0, 5641.0, 5647.0, 5417.0, 5476.0, 5571.0, 5450.0, 5457.0, 5275.0, 5655.0, 5381.0, 5355.0, 5306.0, 5661.0, 5639.0, 5526.0, 5471.0, 5473.0, 5360.0, 5701.0, 5557.0 (number of hits: 7)
8	5510.0	9	1.0	333	1	5579.0, 5608.0, 5351.0, 5613.0, 5656.0, 5476.0, 5325.0, 5355.0, 5689.0, 5651.0, 5282.0, 5417.0, 5567.0, 5493.0, 5628.0, 5276.0, 5457.0, 5644.0, 5534.0, 5563.0, 5253.0, 5654.0, 5333.0, 5653.0, 5516.0, 5364.0, 5273.0, 5709.0, 5316.0, 5283.0, 5515.0, 5549.0, 5395.0, 5274.0, 5702.0, 5510.0, 5436.0, 5440.0, 5629.0, 5327.0, 5591.0, 5660.0, 5564.0, 5531.0, 5681.0, 5441.0, 5386.0, 5626.0, 5673.0, 5434.0, 5572.0, 5601.0, 5662.0, 5332.0, 5581.0, 5697.0, 5295.0, 5536.0, 5687.0, 5615.0, 5447.0, 5652.0, 5620.0, 5565.0, 5369.0, 5722.0, 5326.0, 5336.0, 5719.0, 5398.0, 5305.0, 5494.0, 5637.0, 5514.0, 5470.0, 5497.0, 5354.0,

						5451.0, 5512.0, 5322.0, 5518.0, 5397.0, 5352.0, 5519.0, 5410.0, 5676.0, 5429.0, 5666.0, 5314.0, 5251.0, 5449.0, 5584.0, 5392.0, 5632.0, 5533.0, 5619.0, 5571.0, 5304.0, 5520.0, 5646.0 (number of hits: 11)
9	5510.0	9	1.0	333	1	5385.0, 5609.0, 5618.0, 5346.0, 5476.0, 5322.0, 5481.0, 5348.0, 5459.0, 5260.0, 5690.0, 5675.0, 5583.0, 5287.0, 5271.0, 5657.0, 5352.0, 5314.0, 5465.0, 5664.0, 5528.0, 5374.0, 5637.0, 5297.0, 5573.0, 5421.0, 5407.0, 5571.0, 5321.0, 5462.0, 5320.0, 5511.0, 5681.0, 5508.0, 5424.0, 5704.0, 5631.0, 5692.0, 5532.0, 5671.0, 5564.0, 5497.0, 5514.0, 5577.0, 5519.0, 5518.0, 5258.0, 5621.0, 5355.0, 5522.0, 5698.0, 5463.0, 5422.0, 5651.0, 5678.0, 5290.0, 5366.0, 5549.0, 5317.0, 5694.0, 5266.0, 5614.0, 5371.0, 5344.0, 5401.0, 5713.0, 5699.0, 5715.0, 5597.0, 5460.0, 5420.0, 5315.0, 5361.0, 5685.0, 5712.0, 5411.0, 5270.0, 5488.0, 5369.0, 5455.0, 5619.0, 5616.0, 5452.0, 5673.0, 5316.0, 5414.0, 5588.0, 5580.0, 5294.0, 5569.0, 5388.0, 5350.0, 5338.0, 5461.0, 5576.0, 5629.0, 5702.0, 5548.0, 5708.0, 5527.0 (number of hits: 9)
10	5510.0	9	1.0	333	1	5268.0, 5433.0, 5531.0, 5464.0, 5367.0, 5493.0, 5571.0, 5297.0, 5640.0, 5435.0, 5687.0, 5717.0, 5660.0, 5282.0, 5416.0, 5663.0, 5607.0, 5554.0, 5373.0, 5514.0, 5481.0, 5434.0, 5694.0, 5405.0, 5259.0, 5387.0, 5542.0, 5658.0, 5490.0, 5505.0, 5509.0, 5295.0, 5557.0, 5560.0, 5548.0, 5618.0, 5506.0, 5608.0, 5603.0, 5602.0, 5673.0, 5444.0, 5427.0, 5645.0, 5280.0, 5710.0, 5370.0, 5299.0, 5420.0, 5394.0, 5501.0, 5507.0, 5563.0, 5527.0, 5525.0, 5489.0, 5621.0, 5372.0, 5577.0, 5283.0, 5632.0, 5539.0, 5617.0, 5511.0, 5458.0, 5598.0, 5593.0, 5496.0, 5723.0, 5377.0, 5704.0, 5468.0, 5533.0, 5541.0, 5674.0, 5307.0, 5690.0, 5339.0, 5644.0, 5696.0, 5279.0, 5351.0, 5344.0, 5665.0, 5389.0, 5627.0, 5478.0, 5406.0, 5285.0, 5379.0, 5683.0, 5530.0, 5278.0, 5722.0, 5364.0, 5391.0, 5475.0, 5488.0, 5404.0, 5325.0 (number of hits: 11)
11	5510.0	9	1.0	333	1	5284.0, 5451.0, 5649.0, 5694.0, 5689.0, 5278.0, 5354.0, 5598.0, 5514.0, 5397.0, 5254.0, 5441.0, 5469.0, 5505.0, 5604.0, 5464.0, 5295.0, 5536.0, 5576.0, 5493.0, 5475.0, 5645.0, 5463.0, 5546.0, 5341.0, 5714.0, 5618.0, 5484.0, 5398.0, 5476.0, 5297.0, 5625.0, 5265.0, 5373.0, 5684.0, 5585.0, 5360.0, 5665.0, 5366.0, 5279.0, 5477.0, 5578.0, 5361.0, 5654.0, 5287.0, 5271.0, 5595.0, 5637.0, 5385.0, 5590.0, 5497.0, 5567.0, 5332.0, 5259.0, 5629.0, 5410.0, 5698.0, 5700.0, 5523.0, 5428.0, 5468.0, 5453.0, 5408.0, 5609.0, 5321.0, 5422.0, 5289.0, 5252.0, 5597.0, 5535.0, 5633.0, 5646.0, 5528.0, 5554.0, 5558.0, 5706.0, 5579.0, 5522.0, 5509.0, 5541.0, 5511.0, 5328.0, 5439.0, 5518.0, 5365.0, 5542.0, 5489.0, 5549.0, 5627.0, 5556.0, 5275.0, 5603.0, 5591.0, 5445.0, 5266.0, 5261.0, 5717.0, 5470.0, 5610.0, 5527.0 (number of hits: 11)
12	5510.0	9	1.0	333	1	5572.0, 5631.0, 5488.0, 5291.0, 5516.0, 5639.0, 5414.0, 5395.0, 5332.0, 5310.0, 5443.0, 5314.0, 5450.0, 5557.0, 5457.0, 5539.0, 5360.0, 5302.0, 5664.0, 5387.0, 5500.0, 5674.0, 5267.0, 5691.0, 5723.0, 5329.0, 5717.0, 5281.0, 5401.0, 5334.0, 5695.0, 5303.0, 5408.0, 5447.0, 5279.0, 5411.0, 5312.0, 5340.0, 5379.0, 5672.0, 5544.0, 5446.0, 5497.0, 5299.0, 5645.0, 5552.0, 5547.0, 5678.0, 5607.0, 5435.0, 5376.0, 5549.0, 5688.0, 5681.0, 5424.0, 5561.0, 5579.0, 5319.0, 5452.0, 5444.0, 5647.0, 5392.0, 5573.0, 5355.0, 5642.0, 5276.0, 5390.0, 5569.0, 5501.0, 5437.0, 5463.0, 5536.0, 5635.0, 5568.0, 5380.0, 5370.0, 5719.0, 5598.0, 5622.0, 5489.0, 5671.0, 5362.0, 5417.0, 5264.0,

						5503.0, 5396.0, 5632.0, 5703.0, 5626.0, 5654.0, 5374.0, 5724.0, 5548.0, 5524.0, 5480.0, 5361.0, 5358.0, 5610.0, 5258.0, 5620.0 (number of hits: 6)
13	5510.0	9	1.0	333	1	5284.0, 5300.0, 5269.0, 5556.0, 5445.0, 5401.0, 5604.0, 5384.0, 5722.0, 5620.0, 5470.0, 5347.0, 5341.0, 5408.0, 5542.0, 5699.0, 5270.0, 5632.0, 5682.0, 5321.0, 5285.0, 5709.0, 5354.0, 5662.0, 5478.0, 5451.0, 5460.0, 5308.0, 5629.0, 5436.0, 5385.0, 5721.0, 5396.0, 5380.0, 5267.0, 5688.0, 5695.0, 5650.0, 5466.0, 5615.0, 5622.0, 5274.0, 5397.0, 5562.0, 5565.0, 5685.0, 5326.0, 5507.0, 5599.0, 5697.0, 5634.0, 5707.0, 5383.0, 5324.0, 5309.0, 5648.0, 5702.0, 5684.0, 5611.0, 5263.0, 5705.0, 5393.0, 5386.0, 5481.0, 5701.0, 5304.0, 5345.0, 5502.0, 5523.0, 5652.0, 5312.0, 5480.0, 5533.0, 5418.0, 5530.0, 5337.0, 5303.0, 5522.0, 5259.0, 5675.0, 5379.0, 5434.0, 5514.0, 5317.0, 5428.0, 5518.0, 5279.0, 5258.0, 5526.0, 5658.0, 5491.0, 5540.0, 5357.0, 5252.0, 5287.0, 5656.0, 5469.0, 5512.0, 5558.0, 5541.0 (number of hits: 9)
14	5510.0	9	1.0	333	1	5440.0, 5274.0, 5413.0, 5288.0, 5329.0, 5459.0, 5320.0, 5307.0, 5458.0, 5335.0, 5591.0, 5622.0, 5448.0, 5629.0, 5542.0, 5469.0, 5393.0, 5390.0, 5373.0, 5496.0, 5371.0, 5515.0, 5253.0, 5346.0, 5593.0, 5443.0, 5620.0, 5394.0, 5694.0, 5644.0, 5297.0, 5400.0, 5482.0, 5259.0, 5578.0, 5347.0, 5387.0, 5635.0, 5415.0, 5624.0, 5638.0, 5532.0, 5364.0, 5618.0, 5412.0, 5494.0, 5421.0, 5405.0, 5292.0, 5258.0, 5713.0, 5460.0, 5478.0, 5454.0, 5599.0, 5294.0, 5692.0, 5714.0, 5281.0, 5272.0, 5595.0, 5636.0, 5637.0, 5424.0, 5706.0, 5456.0, 5446.0, 5586.0, 5561.0, 5407.0, 5605.0, 5252.0, 5686.0, 5501.0, 5257.0, 5356.0, 5517.0, 5479.0, 5263.0, 5711.0, 5342.0, 5576.0, 5689.0, 5682.0, 5544.0, 5384.0, 5282.0, 5566.0, 5414.0, 5377.0, 5283.0, 5670.0, 5332.0, 5582.0, 5300.0, 5615.0, 5648.0, 5550.0, 5271.0, 5286.0 (number of hits: 5)
15	5510.0	9	1.0	333	1	5377.0, 5567.0, 5280.0, 5472.0, 5707.0, 5549.0, 5501.0, 5693.0, 5475.0, 5666.0, 5469.0, 5586.0, 5470.0, 5709.0, 5622.0, 5440.0, 5386.0, 5379.0, 5360.0, 5310.0, 5375.0, 5483.0, 5410.0, 5624.0, 5599.0, 5626.0, 5512.0, 5566.0, 5288.0, 5350.0, 5551.0, 5697.0, 5595.0, 5356.0, 5463.0, 5542.0, 5659.0, 5359.0, 5457.0, 5405.0, 5368.0, 5331.0, 5687.0, 5340.0, 5478.0, 5378.0, 5594.0, 5629.0, 5634.0, 5635.0, 5302.0, 5615.0, 5467.0, 5538.0, 5253.0, 5561.0, 5324.0, 5695.0, 5361.0, 5298.0, 5329.0, 5267.0, 5373.0, 5676.0, 5692.0, 5718.0, 5395.0, 5704.0, 5539.0, 5314.0, 5388.0, 5554.0, 5619.0, 5600.0, 5252.0, 5479.0, 5590.0, 5334.0, 5427.0, 5714.0, 5645.0, 5677.0, 5366.0, 5705.0, 5646.0, 5445.0, 5293.0, 5625.0, 5381.0, 5301.0, 5587.0, 5439.0, 5614.0, 5633.0, 5684.0, 5639.0, 5313.0, 5607.0, 5286.0, 5291.0 (number of hits: 2)
16	5510.0	9	1.0	333	1	5531.0, 5410.0, 5544.0, 5279.0, 5719.0, 5623.0, 5426.0, 5595.0, 5485.0, 5589.0, 5574.0, 5417.0, 5577.0, 5262.0, 5627.0, 5503.0, 5579.0, 5615.0, 5381.0, 5542.0, 5549.0, 5445.0, 5363.0, 5604.0, 5391.0, 5422.0, 5489.0, 5654.0, 5504.0, 5691.0, 5663.0, 5470.0, 5519.0, 5276.0, 5490.0, 5665.0, 5282.0, 5374.0, 5447.0, 5676.0, 5400.0, 5562.0, 5430.0, 5335.0, 5647.0, 5266.0, 5514.0, 5686.0, 5418.0, 5598.0, 5467.0, 5671.0, 5260.0, 5499.0, 5362.0, 5440.0, 5290.0, 5444.0, 5291.0, 5591.0, 5580.0, 5337.0, 5620.0, 5706.0, 5508.0, 5696.0, 5468.0, 5402.0, 5661.0, 5605.0, 5566.0, 5494.0, 5349.0, 5385.0, 5501.0, 5578.0, 5477.0, 5716.0, 5509.0, 5371.0, 5351.0, 5332.0, 5622.0, 5701.0, 5483.0, 5263.0, 5393.0, 5416.0, 5322.0, 5521.0, 5597.0,

						5414.0, 5453.0, 5714.0, 5722.0, 5610.0, 5268.0, 5319.0, 5384.0, 5324.0 (number of hits: 10)
17	5510.0	9	1.0	333	1	5319.0, 5416.0, 5666.0, 5451.0, 5346.0, 5305.0, 5607.0, 5486.0, 5438.0, 5657.0, 5704.0, 5532.0, 5667.0, 5689.0, 5328.0, 5349.0, 5537.0, 5312.0, 5321.0, 5352.0, 5627.0, 5618.0, 5573.0, 5653.0, 5487.0, 5308.0, 5540.0, 5569.0, 5705.0, 5698.0, 5390.0, 5264.0, 5353.0, 5391.0, 5675.0, 5332.0, 5274.0, 5722.0, 5299.0, 5314.0, 5723.0, 5719.0, 5278.0, 5522.0, 5383.0, 5488.0, 5709.0, 5527.0, 5271.0, 5695.0, 5431.0, 5526.0, 5251.0, 5284.0, 5374.0, 5400.0, 5376.0, 5446.0, 5490.0, 5367.0, 5718.0, 5567.0, 5714.0, 5701.0, 5684.0, 5559.0, 5591.0, 5560.0, 5628.0, 5578.0, 5267.0, 5691.0, 5350.0, 5568.0, 5608.0, 5670.0, 5650.0, 5326.0, 5287.0, 5467.0, 5516.0, 5562.0, 5528.0, 5614.0, 5564.0, 5570.0, 5697.0, 5644.0, 5399.0, 5547.0, 5457.0, 5260.0, 5461.0, 5661.0, 5257.0, 5682.0, 5317.0, 5423.0, 5417.0, 5588.0 (number of hits: 5)
18	5510.0	9	1.0	333	1	5293.0, 5456.0, 5676.0, 5395.0, 5412.0, 5450.0, 5273.0, 5439.0, 5258.0, 5398.0, 5457.0, 5525.0, 5442.0, 5691.0, 5670.0, 5667.0, 5325.0, 5535.0, 5554.0, 5355.0, 5471.0, 5642.0, 5407.0, 5441.0, 5393.0, 5346.0, 5524.0, 5617.0, 5695.0, 5274.0, 5452.0, 5719.0, 5337.0, 5468.0, 5572.0, 5594.0, 5664.0, 5428.0, 5323.0, 5682.0, 5580.0, 5514.0, 5637.0, 5576.0, 5431.0, 5705.0, 5515.0, 5389.0, 5542.0, 5424.0, 5401.0, 5417.0, 5306.0, 5388.0, 5716.0, 5474.0, 5460.0, 5534.0, 5575.0, 5379.0, 5256.0, 5259.0, 5344.0, 5422.0, 5264.0, 5446.0, 5358.0, 5352.0, 5581.0, 5316.0, 5640.0, 5331.0, 5472.0, 5467.0, 5518.0, 5463.0, 5286.0, 5654.0, 5700.0, 5608.0, 5351.0, 5567.0, 5713.0, 5310.0, 5660.0, 5447.0, 5330.0, 5479.0, 5506.0, 5688.0, 5590.0, 5574.0, 5529.0, 5624.0, 5435.0, 5644.0, 5639.0, 5254.0, 5313.0, 5603.0 (number of hits: 6)
19	5510.0	9	1.0	333	1	5569.0, 5715.0, 5661.0, 5521.0, 5655.0, 5347.0, 5469.0, 5403.0, 5379.0, 5339.0, 5319.0, 5325.0, 5672.0, 5540.0, 5605.0, 5361.0, 5670.0, 5618.0, 5681.0, 5448.0, 5465.0, 5453.0, 5278.0, 5268.0, 5274.0, 5416.0, 5644.0, 5493.0, 5378.0, 5510.0, 5407.0, 5283.0, 5333.0, 5370.0, 5476.0, 5654.0, 5464.0, 5530.0, 5424.0, 5483.0, 5554.0, 5446.0, 5519.0, 5254.0, 5428.0, 5449.0, 5322.0, 5541.0, 5488.0, 5633.0, 5528.0, 5349.0, 5350.0, 5702.0, 5395.0, 5588.0, 5478.0, 5665.0, 5549.0, 5583.0, 5400.0, 5636.0, 5592.0, 5396.0, 5351.0, 5398.0, 5562.0, 5518.0, 5494.0, 5282.0, 5284.0, 5286.0, 5369.0, 5288.0, 5717.0, 5578.0, 5287.0, 5612.0, 5534.0, 5547.0, 5373.0, 5467.0, 5597.0, 5367.0, 5663.0, 5689.0, 5410.0, 5437.0, 5264.0, 5557.0, 5495.0, 5640.0, 5705.0, 5683.0, 5451.0, 5390.0, 5482.0, 5303.0, 5719.0, 5280.0 (number of hits: 8)
20	5510.0	9	1.0	333	1	5412.0, 5569.0, 5252.0, 5576.0, 5535.0, 5566.0, 5476.0, 5700.0, 5650.0, 5524.0, 5433.0, 5416.0, 5441.0, 5372.0, 5662.0, 5330.0, 5305.0, 5643.0, 5589.0, 5289.0, 5345.0, 5600.0, 5381.0, 5257.0, 5409.0, 5690.0, 5255.0, 5376.0, 5414.0, 5445.0, 5298.0, 5393.0, 5353.0, 5315.0, 5472.0, 5609.0, 5536.0, 5604.0, 5384.0, 5278.0, 5638.0, 5351.0, 5286.0, 5401.0, 5634.0, 5722.0, 5514.0, 5273.0, 5649.0, 5710.0, 5658.0, 5450.0, 5362.0, 5374.0, 5467.0, 5618.0, 5276.0, 5317.0, 5331.0, 5673.0, 5698.0, 5520.0, 5435.0, 5290.0, 5696.0, 5452.0, 5633.0, 5684.0, 5592.0, 5717.0, 5703.0, 5371.0, 5342.0, 5705.0, 5415.0, 5369.0, 5667.0, 5425.0, 5434.0, 5479.0, 5560.0, 5424.0, 5485.0, 5714.0, 5473.0, 5491.0, 5497.0, 5391.0, 5326.0, 5615.0, 5484.0, 5601.0, 5630.0, 5316.0, 5283.0, 5312.0, 5455.0, 5270.0,

						5707.0, 5297.0 (number of hits: 5)
21	5510.0	9	1.0	333	1	5529.0, 5553.0, 5701.0, 5443.0, 5390.0, 5500.0, 5617.0, 5336.0, 5295.0, 5371.0, 5592.0, 5569.0, 5281.0, 5431.0, 5417.0, 5671.0, 5591.0, 5251.0, 5605.0, 5462.0, 5286.0, 5349.0, 5298.0, 5262.0, 5540.0, 5537.0, 5381.0, 5257.0, 5317.0, 5641.0, 5692.0, 5670.0, 5466.0, 5660.0, 5527.0, 5661.0, 5386.0, 5343.0, 5405.0, 5452.0, 5319.0, 5595.0, 5352.0, 5503.0, 5478.0, 5391.0, 5424.0, 5308.0, 5607.0, 5507.0, 5328.0, 5585.0, 5694.0, 5535.0, 5490.0, 5497.0, 5289.0, 5521.0, 5598.0, 5602.0, 5659.0, 5508.0, 5565.0, 5496.0, 5707.0, 5334.0, 5322.0, 5524.0, 5476.0, 5669.0, 5533.0, 5697.0, 5522.0, 5269.0, 5545.0, 5583.0, 5572.0, 5714.0, 5678.0, 5254.0, 5327.0, 5342.0, 5686.0, 5392.0, 5318.0, 5710.0, 5304.0, 5265.0, 5688.0, 5562.0, 5539.0, 5703.0, 5480.0, 5570.0, 5477.0, 5395.0, 5451.0, 5516.0, 5383.0, 5416.0 (number of hits: 11)
22	5510.0	9	1.0	333	1	5299.0, 5565.0, 5281.0, 5571.0, 5330.0, 5364.0, 5451.0, 5525.0, 5323.0, 5334.0, 5554.0, 5622.0, 5701.0, 5390.0, 5559.0, 5576.0, 5301.0, 5482.0, 5285.0, 5677.0, 5486.0, 5537.0, 5665.0, 5277.0, 5397.0, 5387.0, 5264.0, 5458.0, 5346.0, 5623.0, 5427.0, 5447.0, 5606.0, 5643.0, 5573.0, 5414.0, 5515.0, 5517.0, 5300.0, 5253.0, 5432.0, 5614.0, 5544.0, 5470.0, 5620.0, 5329.0, 5425.0, 5626.0, 5528.0, 5360.0, 5271.0, 5322.0, 5569.0, 5523.0, 5574.0, 5520.0, 5536.0, 5284.0, 5395.0, 5709.0, 5347.0, 5350.0, 5262.0, 5618.0, 5366.0, 5318.0, 5357.0, 5288.0, 5500.0, 5545.0, 5269.0, 5381.0, 5362.0, 5467.0, 5421.0, 5359.0, 5263.0, 5605.0, 5591.0, 5256.0, 5615.0, 5680.0, 5439.0, 5658.0, 5295.0, 5509.0, 5504.0, 5659.0, 5693.0, 5532.0, 5456.0, 5303.0, 5578.0, 5290.0, 5652.0, 5691.0, 5587.0, 5671.0, 5260.0, 5552.0 (number of hits: 9)
23	5510.0	9	1.0	333	1	5448.0, 5639.0, 5354.0, 5473.0, 5453.0, 5636.0, 5555.0, 5573.0, 5418.0, 5638.0, 5572.0, 5588.0, 5578.0, 5648.0, 5349.0, 5355.0, 5268.0, 5300.0, 5507.0, 5531.0, 5664.0, 5267.0, 5463.0, 5570.0, 5440.0, 5479.0, 5347.0, 5696.0, 5554.0, 5658.0, 5356.0, 5298.0, 5334.0, 5366.0, 5251.0, 5526.0, 5301.0, 5252.0, 5656.0, 5611.0, 5601.0, 5653.0, 5352.0, 5362.0, 5269.0, 5562.0, 5381.0, 5714.0, 5443.0, 5461.0, 5530.0, 5255.0, 5684.0, 5723.0, 5719.0, 5450.0, 5327.0, 5313.0, 5368.0, 5312.0, 5360.0, 5432.0, 5708.0, 5325.0, 5558.0, 5358.0, 5483.0, 5710.0, 5616.0, 5523.0, 5428.0, 5478.0, 5534.0, 5380.0, 5502.0, 5308.0, 5474.0, 5535.0, 5600.0, 5343.0, 5495.0, 5454.0, 5647.0, 5623.0, 5619.0, 5629.0, 5697.0, 5516.0, 5718.0, 5524.0, 5688.0, 5597.0, 5377.0, 5681.0, 5511.0, 5521.0, 5427.0, 5711.0, 5470.0, 5579.0 (number of hits: 9)
24	5510.0	9	1.0	333	1	5570.0, 5458.0, 5356.0, 5651.0, 5401.0, 5490.0, 5335.0, 5588.0, 5522.0, 5302.0, 5407.0, 5345.0, 5665.0, 5541.0, 5601.0, 5314.0, 5473.0, 5373.0, 5487.0, 5485.0, 5714.0, 5262.0, 5516.0, 5468.0, 5597.0, 5579.0, 5411.0, 5710.0, 5362.0, 5432.0, 5465.0, 5527.0, 5410.0, 5666.0, 5571.0, 5330.0, 5556.0, 5573.0, 5394.0, 5375.0, 5553.0, 5257.0, 5391.0, 5638.0, 5561.0, 5558.0, 5390.0, 5263.0, 5716.0, 5513.0, 5723.0, 5692.0, 5284.0, 5703.0, 5385.0, 5647.0, 5625.0, 5342.0, 5277.0, 5577.0, 5333.0, 5440.0, 5519.0, 5523.0, 5696.0, 5697.0, 5298.0, 5671.0, 5664.0, 5530.0, 5339.0, 5494.0, 5338.0, 5498.0, 5312.0, 5251.0, 5256.0, 5542.0, 5687.0, 5376.0, 5605.0, 5406.0, 5437.0, 5378.0, 5495.0, 5328.0, 5283.0, 5380.0, 5654.0, 5604.0, 5535.0, 5643.0, 5467.0, 5444.0, 5346.0, 5460.0, 5321.0, 5305.0, 5431.0, 5423.0 (number of hits: 9)

25	5510.0	9	1.0	333	1	5638.0, 5368.0, 5592.0, 5626.0, 5705.0, 5322.0, 5598.0, 5311.0, 5494.0, 5422.0, 5531.0, 5429.0, 5655.0, 5688.0, 5347.0, 5571.0, 5538.0, 5425.0, 5275.0, 5621.0, 5414.0, 5570.0, 5330.0, 5539.0, 5663.0, 5496.0, 5587.0, 5379.0, 5288.0, 5689.0, 5348.0, 5411.0, 5482.0, 5602.0, 5575.0, 5703.0, 5667.0, 5327.0, 5269.0, 5366.0, 5599.0, 5281.0, 5343.0, 5369.0, 5627.0, 5543.0, 5301.0, 5511.0, 5576.0, 5672.0, 5338.0, 5461.0, 5326.0, 5580.0, 5476.0, 5500.0, 5614.0, 5633.0, 5434.0, 5257.0, 5671.0, 5285.0, 5669.0, 5547.0, 5553.0, 5457.0, 5682.0, 5472.0, 5629.0, 5400.0, 5458.0, 5562.0, 5286.0, 5564.0, 5384.0, 5545.0, 5618.0, 5714.0, 5700.0, 5694.0, 5561.0, 5304.0, 5675.0, 5416.0, 5465.0, 5382.0, 5340.0, 5589.0, 5686.0, 5432.0, 5405.0, 5439.0, 5622.0, 5420.0, 5528.0, 5512.0, 5605.0, 5474.0, 5493.0, 5391.0 (number of hits: 7)
26	5510.0	9	1.0	333	1	5501.0, 5457.0, 5598.0, 5699.0, 5498.0, 5696.0, 5354.0, 5657.0, 5643.0, 5502.0, 5272.0, 5418.0, 5353.0, 5256.0, 5461.0, 5678.0, 5363.0, 5307.0, 5305.0, 5615.0, 5309.0, 5452.0, 5686.0, 5355.0, 5514.0, 5521.0, 5431.0, 5627.0, 5572.0, 5282.0, 5439.0, 5684.0, 5531.0, 5594.0, 5508.0, 5580.0, 5566.0, 5716.0, 5515.0, 5466.0, 5460.0, 5626.0, 5601.0, 5442.0, 5412.0, 5328.0, 5711.0, 5330.0, 5538.0, 5338.0, 5707.0, 5492.0, 5573.0, 5450.0, 5340.0, 5509.0, 5407.0, 5692.0, 5641.0, 5564.0, 5507.0, 5273.0, 5527.0, 5317.0, 5481.0, 5522.0, 5360.0, 5435.0, 5637.0, 5542.0, 5399.0, 5458.0, 5459.0, 5570.0, 5369.0, 5383.0, 5400.0, 5628.0, 5724.0, 5425.0, 5719.0, 5477.0, 5516.0, 5714.0, 5565.0, 5720.0, 5625.0, 5605.0, 5304.0, 5550.0, 5334.0, 5549.0, 5297.0, 5674.0, 5585.0, 5368.0, 5644.0, 5586.0, 5258.0, 5326.0 (number of hits: 13)
27	5510.0	9	1.0	333	1	5297.0, 5547.0, 5446.0, 5606.0, 5393.0, 5655.0, 5417.0, 5669.0, 5576.0, 5623.0, 5709.0, 5260.0, 5534.0, 5466.0, 5360.0, 5254.0, 5483.0, 5539.0, 5609.0, 5432.0, 5670.0, 5287.0, 5681.0, 5597.0, 5400.0, 5449.0, 5544.0, 5552.0, 5659.0, 5284.0, 5705.0, 5344.0, 5562.0, 5366.0, 5316.0, 5296.0, 5722.0, 5666.0, 5320.0, 5407.0, 5340.0, 5330.0, 5388.0, 5381.0, 5394.0, 5356.0, 5375.0, 5720.0, 5286.0, 5298.0, 5665.0, 5354.0, 5443.0, 5505.0, 5319.0, 5350.0, 5634.0, 5640.0, 5678.0, 5358.0, 5434.0, 5256.0, 5441.0, 5324.0, 5305.0, 5667.0, 5328.0, 5555.0, 5528.0, 5503.0, 5507.0, 5621.0, 5498.0, 5430.0, 5559.0, 5639.0, 5551.0, 5492.0, 5343.0, 5687.0, 5414.0, 5575.0, 5289.0, 5520.0, 5312.0, 5274.0, 5426.0, 5554.0, 5694.0, 5465.0, 5272.0, 5495.0, 5588.0, 5604.0, 5416.0, 5327.0, 5658.0, 5383.0, 5447.0, 5641.0 (number of hits: 8)
28	5510.0	9	1.0	333	1	5296.0, 5621.0, 5538.0, 5535.0, 5602.0, 5313.0, 5668.0, 5600.0, 5291.0, 5288.0, 5489.0, 5553.0, 5328.0, 5269.0, 5341.0, 5336.0, 5684.0, 5314.0, 5432.0, 5427.0, 5408.0, 5309.0, 5714.0, 5307.0, 5609.0, 5401.0, 5285.0, 5700.0, 5394.0, 5588.0, 5340.0, 5500.0, 5721.0, 5551.0, 5391.0, 5386.0, 5454.0, 5504.0, 5316.0, 5486.0, 5644.0, 5422.0, 5327.0, 5392.0, 5610.0, 5542.0, 5579.0, 5654.0, 5637.0, 5485.0, 5382.0, 5492.0, 5528.0, 5292.0, 5615.0, 5559.0, 5645.0, 5356.0, 5475.0, 5670.0, 5698.0, 5282.0, 5469.0, 5537.0, 5457.0, 5715.0, 5650.0, 5440.0, 5261.0, 5706.0, 5436.0, 5355.0, 5357.0, 5552.0, 5592.0, 5351.0, 5568.0, 5472.0, 5591.0, 5415.0, 5342.0, 5451.0, 5429.0, 5628.0, 5334.0, 5573.0, 5305.0, 5369.0, 5349.0, 5294.0, 5503.0, 5397.0, 5534.0, 5389.0, 5320.0, 5641.0, 5596.0, 5543.0, 5605.0, 5558.0 (number of hits: 5)
29	5510.0	9	1.0	333	1	5320.0, 5684.0, 5285.0, 5524.0, 5262.0, 5615.0, 5619.0,

						5387.0, 5365.0, 5449.0, 5281.0, 5688.0, 5556.0, 5438.0, 5317.0, 5581.0, 5492.0, 5424.0, 5313.0, 5338.0, 5580.0, 5666.0, 5483.0, 5514.0, 5528.0, 5446.0, 5723.0, 5515.0, 5589.0, 5309.0, 5481.0, 5250.0, 5312.0, 5396.0, 5529.0, 5665.0, 5578.0, 5546.0, 5645.0, 5379.0, 5266.0, 5707.0, 5353.0, 5271.0, 5294.0, 5711.0, 5583.0, 5327.0, 5448.0, 5653.0, 5632.0, 5582.0, 5419.0, 5280.0, 5565.0, 5675.0, 5689.0, 5650.0, 5660.0, 5562.0, 5274.0, 5649.0, 5576.0, 5403.0, 5471.0, 5493.0, 5329.0, 5612.0, 5336.0, 5712.0, 5479.0, 5699.0, 5616.0, 5646.0, 5642.0, 5279.0, 5332.0, 5311.0, 5413.0, 5337.0, 5319.0, 5537.0, 5505.0, 5522.0, 5368.0, 5614.0, 5296.0, 5551.0, 5291.0, 5625.0, 5384.0, 5406.0, 5254.0, 5256.0, 5476.0, 5295.0, 5362.0, 5389.0, 5371.0, 5373.0 (number of hits: 8)
30	5510.0	9	1.0	333	1	5669.0, 5435.0, 5584.0, 5433.0, 5336.0, 5262.0, 5417.0, 5664.0, 5502.0, 5611.0, 5700.0, 5600.0, 5263.0, 5643.0, 5411.0, 5259.0, 5489.0, 5507.0, 5588.0, 5471.0, 5464.0, 5654.0, 5644.0, 5604.0, 5350.0, 5534.0, 5520.0, 5547.0, 5306.0, 5573.0, 5692.0, 5552.0, 5527.0, 5705.0, 5355.0, 5574.0, 5278.0, 5290.0, 5348.0, 5463.0, 5392.0, 5289.0, 5509.0, 5653.0, 5277.0, 5679.0, 5365.0, 5303.0, 5410.0, 5690.0, 5479.0, 5506.0, 5538.0, 5553.0, 5677.0, 5302.0, 5558.0, 5707.0, 5253.0, 5624.0, 5344.0, 5720.0, 5639.0, 5698.0, 5606.0, 5684.0, 5648.0, 5503.0, 5324.0, 5269.0, 5596.0, 5416.0, 5331.0, 5572.0, 5617.0, 5545.0, 5637.0, 5451.0, 5437.0, 5453.0, 5448.0, 5713.0, 5601.0, 5352.0, 5522.0, 5627.0, 5322.0, 5438.0, 5655.0, 5499.0, 5385.0, 5663.0, 5582.0, 5615.0, 5565.0, 5602.0, 5469.0, 5333.0, 5652.0, 5394.0 (number of hits: 9)

P2MP Mode
Pine 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	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 5490-5570 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	18	1.0	3066	1
4	74	1.0	718	0
5	59	1.0	898	1
6	92	1.0	578	1
7	62	1.0	858	1
8	78	1.0	678	1
9	58	1.0	918	1
10	99	1.0	538	1
11	70	1.0	758	1
12	67	1.0	798	1
13	72	1.0	738	1
14	83	1.0	638	1
15	86	1.0	618	1
16	18	1.0	2963	1
17	35	1.0	1513	1
18	34	1.0	1572	1
19	24	1.0	2267	1
20	21	1.0	2615	1
21	30	1.0	1803	1
22	60	1.0	883	1
23	31	1.0	1718	1
24	35	1.0	1508	1
25	37	1.0	1447	1
26	59	1.0	897	1
27	25	1.0	2168	1
28	23	1.0	2309	1
29	19	1.0	2904	1
30	30	1.0	1815	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	1.2	215	1
2	24	2.0	211	1
3	29	1.7	223	0
4	23	2.9	220	1
5	27	3.8	196	1
6	25	3.3	219	1
7	25	4.0	206	0
8	26	3.4	218	1
9	25	2.1	161	0
10	29	4.8	163	1
11	28	3.2	190	1
12	27	3.2	207	1
13	28	2.9	225	0
14	25	4.3	203	1
15	25	1.1	223	1
16	23	5.0	162	1
17	27	4.9	163	1
18	27	3.9	214	1
19	26	2.0	193	1
20	25	2.0	202	1
21	25	4.4	228	0
22	27	2.6	226	0
23	23	1.6	184	1
24	25	1.9	157	0
25	23	4.6	199	1
26	26	2.3	204	1
27	27	1.6	178	1
28	26	3.1	207	1
29	24	4.4	171	1
30	27	5.0	162	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	17	8.1	252	1
2	18	8.4	423	1
3	18	8.3	201	1
4	18	8.8	202	1
5	17	8.7	442	1
6	18	7.7	396	1
7	18	6.6	417	1
8	16	8.2	278	1
9	18	8.7	248	1
10	17	8.2	499	1
11	16	6.9	496	1
12	17	6.2	333	1
13	17	6.3	397	1
14	16	6.1	222	0
15	18	6.7	465	1
16	16	7.4	476	1
17	18	10.0	244	1
18	17	8.7	238	1
19	16	6.3	392	1
20	17	8.4	255	1
21	16	7.6	498	0
22	17	6.3	252	1
23	16	8.0	343	0
24	18	6.1	443	1
25	18	7.8	409	1
26	17	9.9	248	1
27	16	8.8	307	1
28	16	9.4	446	1
29	18	9.0	454	1
30	17	7.4	404	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	14	12.0	317	1
2	15	13.6	348	1
3	12	12.4	451	1
4	12	18.9	327	1
5	13	16.6	441	0
6	12	19.5	457	1
7	13	15.8	476	0
8	15	17.6	436	1
9	14	14.2	321	0
10	14	14.8	249	1
11	16	19.2	213	0
12	16	12.8	249	1
13	15	15.8	493	1
14	15	11.8	250	1
15	13	14.5	313	0
16	12	13.2	488	1
17	16	12.4	434	0
18	16	12.2	415	1
19	14	16.1	260	1
20	13	16.9	490	1
21	14	15.1	483	1
22	13	18.4	292	1
23	14	13.2	376	1
24	12	11.8	452	1
25	14	15.6	466	1
26	13	13.3	279	1
27	14	12.2	267	0
28	14	19.6	488	1
29	13	15.8	276	1
30	14	13.4	243	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5494.9	1
12	5494.4	1
13	5497.2	1
14	5494.4	1
15	5497.2	1
16	5493.6	1
17	5496.9	1
18	5499.2	1
19	5494.9	1
20	5493.2	1
21	5564.4	1
22	5561.6	1
23	5563.9	1
24	5565.9	1
25	5565.9	1
26	5562.4	1
27	5564.8	1
28	5561.9	1
29	5562.4	1
30	5565.9	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	1	12	96.0			0.472389	
1	1	12	71.6			0.883852	
2	3	12	71.1	1659	1984	1.613000	
3	3	12	65.4	1909	1573	2.256276	
4	2	12	52.9	1300		2.765801	
5	2	12	92.0	1155		3.473960	
6	2	12	67.7	1478		4.393326	
7	2	12	55.2	1183		4.814619	
8	3	12	76.3	1089	1318	5.170407	
9	3	12	55.1	1795	1646	5.822995	1
10	2	12	85.1	1929		6.775677	
11	3	12	92.6	1402	1545	7.164771	
12	1	12	76.0			7.780165	
13	2	12	79.3	1209		8.680419	
14	2	12	90.6	1898		8.931171	
15	2	12	78.5	1750		9.922428	
16	3	12	77.7	1224	1074	10.450250	
17	2	12	56.8	1519		11.354050	
18	2	12	55.8	1227		11.700164	

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	11	52.1	1077	1833	0.382900	1
1	2	11	92.8	1737		0.974031	
2	2	11	67.5	1061		1.699444	
3	2	11	75.9	1997		2.362974	
4	1	11	95.1			2.857333	
5	2	11	82.8	1175		3.484495	
6	1	11	58.3			4.462698	
7	2	11	50.2	1747		5.157441	
8	2	11	85.1	1715		5.373716	
9	3	11	75.7	1060	1924	6.395293	
10	2	11	57.0	1139		6.838517	
11	1	11	71.2			7.735360	
12	1	11	99.0			8.138109	
13	1	11	60.6			8.712988	
14	3	11	68.2	1610	1053	9.485390	
15	1	11	67.5			10.395871	
16	2	11	71.2	1828		10.725872	
17	1	11	53.5			11.634823	

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	13	63.8			0.633709	1
1	2	13	86.3	1736		1.171453	
2	1	13	96.0			2.005473	
3	3	13	92.4	1980	1479	2.681515	
4	1	13	90.8			3.563696	
5	2	13	50.8	1086		4.276862	
6	1	13	62.3			4.629923	
7	2	13	73.9	1983		5.714165	
8	1	13	56.0			6.346937	
9	3	13	68.3	1477	1114	7.208701	
10	3	13	64.6	1306	1987	7.609227	
11	1	13	55.3			8.870649	
12	1	13	97.1			9.272033	
13	2	13	99.5	1083		10.374379	
14	2	13	55.7	1964		10.806115	
15	2	13	66.7	1018		11.791288	

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	84.1			0.277451	1
1	1	11	77.8			0.887932	
2	2	11	69.6	1683		1.683548	
3	1	11	80.4			2.495245	
4	3	11	58.1	1087	1494	2.759255	
5	1	11	83.5			3.716223	
6	2	11	78.8	1690		4.362812	
7	2	11	80.1	1274		5.202474	
8	2	11	65.9	1673		5.362178	
9	2	11	90.5	1356		6.360868	
10	3	11	92.3	1722	1964	6.814506	
11	2	11	97.1	1770		7.946554	
12	2	11	72.3	1889		8.203170	
13	2	11	55.2	1140		8.965755	
14	2	11	61.2	1571		9.601758	
15	1	11	59.5			10.506841	
16	2	11	88.6	1091		11.156894	
17	2	11	56.0	1979		11.571016	

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	14	53.7			0.322423	1
1	2	14	80.5	1276		1.915956	
2	2	14	83.5	1952		2.084639	
3	3	14	89.6	1296	1996	3.130958	
4	3	14	86.9	1014	1401	4.100480	
5	3	14	92.7	1385	1360	5.407062	
6	1	14	95.2			6.080993	
7	1	14	74.2			7.061907	
8	2	14	81.2	1835		8.502908	
9	2	14	89.2	1787		9.127130	
10	2	14	75.1	1608		10.678337	
11	2	14	89.2	1017		11.860461	

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	9	50.5	1562	1724	0.381945	1
1	2	9	64.7	1609		0.763611	
2	3	9	53.0	1607	1667	1.509867	
3	2	9	75.6	1410		2.275352	
4	1	9	99.5			3.244031	
5	1	9	90.7			3.726665	
6	2	9	68.1	1704		4.753690	
7	2	9	84.0	1344		5.570051	
8	2	9	56.1	1283		6.161652	
9	2	9	69.8	1862		6.553169	
10	3	9	80.6	1179	1394	7.595263	
11	2	9	53.6	1171		8.100053	
12	2	9	83.6	1210		8.850497	
13	2	9	66.9	1293		9.565862	
14	2	9	73.2	1818		10.321838	
15	3	9	93.7	1572	1747	11.101320	
16	2	9	58.8	1437		11.668160	

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	16	85.0	1604		0.762767	1
1	3	16	76.0	1810	1255	2.151624	
2	2	16	95.6	1000		3.165080	
3	3	16	95.7	1841	1583	5.531186	
4	2	16	97.2	1770		6.466873	
5	1	16	75.1			8.981342	
6	1	16	62.9			9.973279	
7	3	16	98.4	1180	1222	11.290100	

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	56.0			0.477103	1
1	1	11	75.2			0.782492	
2	2	11	90.7	1619		1.250631	
3	2	11	69.5	1687		1.864839	
4	1	11	99.1			2.774542	
5	2	11	68.7	1198		3.409026	
6	1	11	59.9			4.110812	
7	3	11	73.7	1636	1416	4.394522	
8	2	11	57.1	1191		4.967837	
9	2	11	87.0	1114		5.934532	
10	1	11	64.4			6.032384	
11	2	11	88.8	1157		6.960698	
12	3	11	91.7	1979	1323	7.257988	
13	2	11	62.6	1447		8.261944	
14	2	11	94.1	1295		8.601952	
15	1	11	67.0			9.167566	
16	2	11	59.5	1077		10.148961	
17	2	11	85.7	1994		10.453598	
18	2	11	66.3	1895		11.326419	
19	1	11	58.7			11.535971	

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	6	57.8	1313		0.387024	
1	2	6	57.8	1153		0.870360	
2	1	6	88.8			1.649549	
3	2	6	87.0	1741		2.668178	
4	2	6	58.1	1429		3.208545	
5	2	6	97.2	1463		3.593482	
6	2	6	81.6	1654		4.304513	
7	2	6	79.9	1312		5.031540	
8	3	6	65.8	1454	1512	6.246244	1
9	3	6	93.4	1265	1261	6.680811	
10	3	6	64.4	1823	1036	7.069825	
11	1	6	58.1			8.389023	
12	2	6	52.3	1420		8.486826	
13	2	6	78.4	1679		9.833262	
14	3	6	86.7	1612	1739	10.045039	
15	2	6	88.0	1306		10.819495	
16	1	6	72.2			11.699674	

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	12	90.2	1996		1.073437	
1	2	12	97.8	1906		2.305981	
2	1	12	75.5			3.437385	
3	1	12	82.6			4.041518	
4	2	12	66.2	1458		5.766667	
5	3	12	56.3	1964	1350	6.271582	1
6	2	12	68.8	1838		7.237377	
7	3	12	88.1	1893	1669	8.984938	
8	3	12	93.4	1403	1240	10.519415	
9	3	12	83.5	1786	1097	11.291609	

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	98.5	1860		0.062797	1
1	1	9	59.3			0.801720	
2	2	9	54.6	1879		1.756340	
3	1	9	78.9			1.868751	
4	2	9	81.2	1035		2.825792	
5	1	9	86.4			3.465546	
6	2	9	86.7	1652		4.125123	
7	1	9	57.5			4.633438	
8	2	9	93.0	1302		5.124513	
9	2	9	61.8	1722		5.713049	
10	1	9	87.3			6.514007	
11	2	9	78.1	1010		6.690248	
12	2	9	71.7	1758		7.698635	
13	3	9	97.4	1197	1530	8.154168	
14	1	9	72.4			8.422446	
15	2	9	91.0	1983		9.121959	
16	1	9	54.9			10.008294	
17	2	9	87.0	1455		10.365134	
18	1	9	95.4			10.958940	
19	3	9	78.7	1825	1207	11.936112	

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	50.1	1295		0.223657	
1	2	8	50.6	1169		1.330992	
2	2	8	89.0	1437		1.676673	
3	2	8	67.1	1781		2.433048	
4	3	8	67.4	1054	1827	3.340858	
5	1	8	59.9			3.808195	
6	1	8	67.9			4.338167	
7	1	8	86.1			4.971748	
8	2	8	81.1	1247		6.136522	1
9	3	8	80.6	1842	1923	6.586430	
10	2	8	70.0	1876		7.212545	
11	3	8	75.0	1197	1643	8.235382	
12	2	8	51.9	1599		9.006144	
13	2	8	92.3	1393		9.859012	
14	2	8	93.5	1608		10.557966	
15	2	8	90.9	1263		11.214728	
16	2	8	80.2	1696		11.766664	

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	15	82.9	1687		0.137866	1
1	1	15	71.7			1.626563	
2	3	15	89.4	1037	1350	2.492615	
3	3	15	72.0	1760	1395	3.364783	
4	2	15	60.0	1032		3.794758	
5	1	15	52.7			4.326695	
6	1	15	82.6			5.865690	
7	2	15	78.1	1819		6.840013	
8	1	15	93.4			7.201006	
9	2	15	61.8	1605		8.277765	
10	2	15	67.2	1455		8.703354	
11	3	15	74.6	1444	1103	9.729434	
12	1	15	58.0			10.977534	
13	1	15	77.3			11.469277	

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	80.9	1135	1136	0.223907	1
1	3	8	91.2	1015	1555	1.023326	
2	2	8	92.2	1841		1.381170	
3	3	8	96.4	1020	1090	2.265528	
4	2	8	85.4	1653		2.555410	
5	3	8	72.5	1442	1592	3.442837	
6	2	8	92.6	1663		4.266014	
7	3	8	51.5	1683	1882	4.888996	
8	3	8	81.4	1115	1509	5.566992	
9	2	8	77.2	1039		6.247505	
10	2	8	51.2	1013		6.407896	
11	3	8	53.3	1039	1046	7.164545	
12	2	8	54.5	1087		7.975085	
13	1	8	53.0			8.326142	
14	1	8	98.3			9.237900	
15	2	8	53.2	1170		9.635312	
16	2	8	67.3	1665		10.385569	
17	2	8	55.3	1336		10.848587	
18	3	8	55.3	1590	1346	11.828255	

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	15	71.2	1467		0.532690	
1	1	15	67.8			1.284793	
2	2	15	78.7	1867		1.931657	
3	1	15	68.8			2.359364	
4	1	15	98.9			3.055802	
5	2	15	69.2	1735		3.633722	
6	2	15	66.9	1128		4.556077	
7	2	15	53.1	1101		5.615137	
8	2	15	53.7	1457		5.673573	1
9	2	15	51.8	1791		6.439327	
10	3	15	75.8	1558	1553	7.103754	
11	2	15	98.2	1920		7.934660	
12	1	15	83.7			9.161961	
13	2	15	76.5	1236		9.568807	
14	1	15	59.4			10.045983	
15	1	15	89.7			10.737915	
16	3	15	81.5	1982	1556	11.898131	

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	6	71.9	1141		0.002278	
1	2	6	69.0	1048		0.752805	
2	2	6	83.6	1966		1.739338	
3	3	6	86.4	1997	1570	2.197931	
4	2	6	68.4	1983		3.196537	
5	3	6	95.0	1753	1728	3.747886	
6	2	6	53.0	1086		4.154223	
7	3	6	68.2	1157	1667	4.836294	
8	2	6	79.2	1051		5.874862	
9	2	6	91.7	1689		6.593738	1
10	3	6	96.0	1051	1104	6.799800	
11	2	6	73.9	1661		7.517787	
12	2	6	68.4	1749		8.168878	
13	1	6	66.1			9.177249	
14	1	6	56.6			9.913746	
15	2	6	83.5	1073		10.168944	
16	3	6	94.4	1382	1334	10.721259	
17	3	6	94.2	1059	1532	11.660579	

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	14	87.6	1900		0.202860	1
1	2	14	70.5	1797		0.878387	
2	1	14	69.3			2.559737	
3	3	14	73.2	1078	1600	3.125512	
4	3	14	72.6	1140	1993	3.559259	
5	2	14	90.0	1265		4.803160	
6	1	14	60.1			5.487608	
7	2	14	91.2	1757		6.727050	
8	3	14	99.9	1051	1981	7.699737	
9	3	14	66.7	1704	1599	7.955621	
10	2	14	90.8	1597		8.930748	
11	2	14	79.3	1891		10.089569	
12	2	14	54.0	1280		10.543114	
13	2	14	77.0	1218		11.303990	

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	20	66.0	1872		0.217267	1
1	2	20	74.5	1723		1.304585	
2	1	20	95.7			3.143807	
3	1	20	87.4			3.699410	
4	2	20	71.3	1834		4.686558	
5	3	20	62.8	1263	1887	6.285738	
6	3	20	97.3	1636	1603	7.214849	
7	3	20	67.9	1521	1621	7.916830	
8	1	20	93.5			9.620016	
9	1	20	64.7			10.600810	
10	1	20	98.3			11.268263	

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	51.9	1913		0.039752	
1	1	9	70.7			0.774707	
2	2	9	69.0	1710		1.562483	
3	2	9	69.8	1661		2.547573	
4	3	9	71.1	1786	1736	3.467865	
5	2	9	71.9	1328		3.766046	
6	1	9	88.4			4.270023	
7	2	9	74.4	1816		5.445762	
8	3	9	52.6	1889	1809	5.929293	1
9	2	9	54.8	1672		6.732609	
10	3	9	71.2	1560	1958	7.181049	
11	1	9	68.3			8.243846	
12	1	9	76.4			8.771672	
13	1	9	67.6			9.645506	
14	1	9	52.3			10.321497	
15	3	9	76.0	1300	1474	11.132669	
16	2	9	54.2	1754		11.317411	

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	5	64.8			0.705295	
1	2	5	53.3	1319		1.878425	
2	2	5	51.4	1545		2.883800	
3	2	5	90.4	1687		4.397935	
4	3	5	76.1	1900	1069	6.093197	1
5	2	5	95.2	1690		7.145136	
6	2	5	85.6	1766		9.188114	
7	1	5	53.5			10.099529	
8	3	5	77.6	1424	1726	11.318510	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	80.1	1813		0.103465	1
1	2	11	61.8	1629		1.590055	
2	1	11	60.8			2.173530	
3	3	11	58.9	1361	1670	3.863467	
4	3	11	91.7	1959	1783	4.450882	
5	2	11	85.3	1556		5.065030	
6	2	11	95.8	1945		6.095539	
7	3	11	82.7	1497	1781	7.950338	
8	1	11	94.0			8.423021	
9	2	11	60.1	1930		9.501590	
10	2	11	57.9	1761		10.110958	
11	1	11	70.6			11.741237	

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	73.9	1038		0.464991	1
1	3	18	90.7	1341	1909	1.144414	
2	3	18	60.2	1164	1632	1.802165	
3	2	18	66.2	1999		2.485842	
4	2	18	50.4	1616		3.574451	
5	2	18	95.3	1361		3.969639	
6	2	18	50.2	1258		4.745100	
7	1	18	97.2			5.783013	
8	3	18	92.3	1308	1513	6.089485	
9	1	18	75.9			6.952201	
10	2	18	98.3	1888		7.624811	
11	3	18	54.9	1765	1984	8.670639	
12	1	18	78.2			9.534898	
13	3	18	71.8	1834	1906	9.797506	
14	2	18	64.0	1352		10.666426	
15	3	18	64.3	1563	1205	11.991921	

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	12	61.1			0.685510	1
1	1	12	62.8			1.763257	
2	2	12	92.7	1366		2.698687	
3	1	12	73.7			3.206846	
4	3	12	91.5	1905	1275	4.945088	
5	2	12	94.7	1598		5.835728	
6	3	12	82.5	1843	1951	6.252010	
7	3	12	95.6	1951	1833	7.647111	
8	1	12	59.4			8.758050	
9	1	12	90.1			9.651388	
10	2	12	61.9	1554		10.683296	
11	2	12	64.6	1899		11.782869	

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	59.8	1483		0.559685	1
1	1	7	64.6			0.910579	
2	2	7	89.5	1243		1.632708	
3	3	7	80.7	1299	1481	1.934398	
4	3	7	77.9	1776	1943	2.678167	
5	3	7	53.1	1549	1476	3.201298	
6	2	7	69.1	1861		4.251969	
7	1	7	84.2			4.541772	
8	3	7	70.3	1068	1218	5.550696	
9	1	7	70.6			6.028495	
10	2	7	63.4	1053		6.703418	
11	2	7	100.0	1400		7.525225	
12	1	7	71.5			7.666687	
13	3	7	71.9	1168	1255	8.408283	
14	2	7	56.2	1046		9.009119	
15	2	7	77.7	1189		10.049670	
16	3	7	94.9	1464	1526	10.728533	
17	2	7	57.8	1142		11.213257	
18	2	7	61.9	1063		11.814956	

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	7	90.8	1764	1845	0.140963	1
1	2	7	75.4	1017		1.574217	
2	3	7	80.8	1013	1754	3.499752	
3	3	7	83.3	1547	1635	4.669143	
4	3	7	99.1	1850	1714	4.982443	
5	1	7	59.3			6.312272	
6	2	7	57.3	1374		8.157265	
7	2	7	51.1	1977		9.081218	
8	3	7	74.1	1152	1046	10.140704	
9	2	7	90.4	1084		11.573593	

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	16	78.4	1599		0.763693	1
1	1	16	81.2			1.420095	
2	1	16	57.7			2.140987	
3	2	16	80.0	1791		3.185555	
4	1	16	96.8			3.515083	
5	2	16	62.0	1578		4.240712	
6	2	16	59.2	1199		5.569056	
7	1	16	69.0			6.036526	
8	2	16	97.6	1830		6.604121	
9	2	16	71.6	1609		7.609979	
10	3	16	73.1	1590	1691	8.350334	
11	2	16	75.6	1982		8.967998	
12	2	16	98.2	1012		10.119362	
13	2	16	75.0	1189		10.483120	
14	3	16	94.5	1643	1700	11.456977	

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	10	84.0	1868		0.305889	1
1	3	10	84.3	1703	1856	1.343532	
2	2	10	58.1	1817		1.561627	
3	2	10	94.7	1536		2.649643	
4	3	10	50.9	1585	1780	3.161741	
5	3	10	86.2	1565	1839	3.755021	
6	2	10	58.7	1175		4.913925	
7	3	10	80.0	1837	1258	5.272501	
8	1	10	62.6			6.300581	
9	2	10	93.5	1363		7.262004	
10	2	10	68.0	1934		7.888841	
11	3	10	80.6	1472	1560	8.728531	
12	1	10	77.0			9.277100	
13	3	10	78.0	1840	1601	9.955415	
14	1	10	91.6			10.701584	
15	2	10	66.9	1140		11.942970	

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	91.4			0.847436	1
1	3	17	89.9	1316	1321	1.666567	
2	1	17	52.2			2.807592	
3	3	17	90.7	1970	1559	4.424405	
4	3	17	58.4	1448	1662	5.889762	
5	3	17	65.3	1079	1790	6.386383	
6	3	17	70.2	1261	1146	7.998073	
7	2	17	59.3	1524		8.435717	
8	3	17	95.2	1600	1025	10.632630	
9	3	17	65.3	1724	1328	11.452916	

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	16	71.4	1339	1635	0.683331	
1	2	16	64.8	1496		1.057627	
2	2	16	90.0	1919		1.796511	
3	3	16	74.8	1642	1725	2.121719	
4	3	16	86.3	1173	1147	3.109219	
5	2	16	56.8	1750		3.586354	
6	3	16	51.5	1110	1692	4.563303	
7	1	16	83.6			5.400930	
8	3	16	68.2	1189	1818	6.139406	1
9	1	16	78.4			6.576822	
10	2	16	58.4	1247		7.261066	
11	2	16	86.8	1613		8.024734	
12	1	16	79.6			8.885797	
13	2	16	84.8	1551		9.213055	
14	2	16	83.0	1268		10.225399	
15	2	16	82.4	1806		10.879642	
16	3	16	89.0	1283	1492	11.449109	

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	7	78.9			0.552080	
1	1	7	77.8			1.014710	
2	1	7	89.2			1.972331	
3	1	7	80.8			2.348939	
4	2	7	53.4	1304		3.611839	
5	2	7	92.7	1610		4.073494	
6	3	7	72.2	1615	1749	4.871406	
7	2	7	69.0	1001		5.359018	
8	1	7	98.8			6.309343	1
9	3	7	76.7	1757	1803	7.306390	
10	2	7	98.0	1134		7.915410	
11	3	7	67.3	1920	1224	8.308070	
12	2	7	55.7	1792		9.237794	
13	2	7	62.2	1768		9.976213	
14	1	7	94.2			10.910686	
15	3	7	61.5	1617	1158	11.676160	

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	5311.0, 5323.0, 5353.0, 5567.0, 5334.0, 5365.0, 5669.0, 5592.0, 5585.0, 5529.0, 5408.0, 5267.0, 5426.0, 5540.0, 5478.0, 5372.0, 5507.0, 5497.0, 5526.0, 5429.0, 5573.0, 5548.0, 5542.0, 5404.0, 5332.0, 5608.0, 5723.0, 5485.0, 5400.0, 5413.0, 5640.0, 5476.0, 5512.0, 5288.0, 5307.0, 5576.0, 5486.0, 5257.0, 5412.0, 5287.0, 5546.0, 5671.0, 5434.0, 5664.0, 5355.0, 5675.0, 5630.0, 5654.0, 5337.0, 5268.0, 5618.0, 5419.0, 5597.0, 5722.0, 5490.0, 5614.0, 5405.0, 5711.0, 5324.0, 5670.0, 5607.0, 5330.0, 5325.0, 5612.0, 5401.0, 5534.0, 5603.0, 5629.0, 5511.0, 5373.0, 5262.0, 5294.0, 5439.0, 5477.0, 5523.0, 5339.0, 5266.0, 5694.0, 5519.0, 5359.0, 5432.0, 5627.0, 5407.0, 5720.0, 5495.0, 5668.0, 5382.0, 5326.0, 5584.0, 5278.0, 5358.0, 5680.0, 5286.0, 5461.0, 5493.0, 5553.0, 5424.0, 5410.0, 5625.0, 5586.0 (number of hits: 17)
2	5530.0	9	1.0	333	1	5272.0, 5524.0, 5563.0, 5552.0, 5591.0, 5503.0, 5534.0, 5610.0, 5258.0, 5403.0, 5372.0, 5442.0, 5601.0, 5449.0, 5573.0, 5441.0, 5281.0, 5280.0, 5715.0, 5641.0, 5533.0, 5701.0, 5252.0, 5577.0, 5710.0, 5318.0, 5359.0, 5583.0, 5453.0, 5409.0, 5357.0, 5676.0, 5294.0, 5363.0, 5490.0, 5571.0, 5672.0, 5273.0, 5306.0, 5651.0, 5714.0, 5274.0, 5510.0, 5457.0, 5385.0, 5720.0, 5415.0, 5479.0, 5412.0, 5315.0, 5695.0, 5347.0, 5593.0, 5276.0, 5364.0, 5408.0, 5599.0, 5622.0, 5691.0, 5418.0, 5429.0, 5541.0, 5486.0, 5716.0, 5546.0, 5667.0, 5646.0, 5323.0, 5572.0, 5565.0, 5376.0, 5614.0, 5355.0, 5508.0, 5406.0, 5358.0, 5645.0, 5299.0, 5547.0, 5674.0, 5329.0, 5647.0, 5366.0, 5504.0, 5314.0, 5556.0, 5303.0, 5284.0, 5478.0, 5271.0, 5476.0, 5352.0, 5673.0, 5513.0, 5335.0, 5337.0, 5706.0, 5437.0, 5268.0, 5711.0 (number of hits: 15)
3	5530.0	9	1.0	333	1	5359.0, 5648.0, 5509.0, 5443.0, 5317.0, 5278.0, 5466.0, 5718.0, 5253.0, 5360.0, 5406.0, 5283.0, 5575.0, 5692.0, 5496.0, 5327.0, 5357.0, 5703.0, 5670.0, 5277.0, 5504.0, 5567.0, 5482.0, 5625.0, 5681.0, 5489.0, 5516.0, 5571.0, 5601.0, 5314.0, 5303.0, 5671.0, 5326.0, 5369.0, 5542.0, 5343.0, 5499.0, 5467.0, 5518.0, 5373.0, 5348.0, 5395.0, 5584.0, 5628.0, 5645.0, 5331.0, 5589.0, 5478.0, 5679.0, 5300.0, 5272.0, 5376.0, 5255.0, 5547.0, 5629.0, 5342.0, 5313.0, 5604.0, 5439.0, 5557.0, 5400.0, 5429.0, 5593.0, 5721.0, 5452.0, 5445.0, 5664.0, 5436.0, 5678.0, 5657.0, 5602.0, 5484.0, 5390.0, 5641.0, 5393.0, 5688.0, 5355.0, 5611.0, 5524.0, 5508.0, 5569.0, 5340.0, 5568.0, 5353.0, 5623.0, 5655.0, 5352.0, 5347.0, 5334.0, 5441.0, 5449.0, 5309.0, 5599.0, 5528.0, 5647.0, 5646.0, 5517.0, 5665.0, 5453.0, 5358.0 (number of hits: 15)
4	5530.0	9	1.0	333	1	5646.0, 5530.0, 5698.0, 5520.0, 5551.0, 5550.0, 5348.0, 5657.0, 5660.0, 5325.0, 5318.0, 5347.0, 5465.0, 5400.0, 5268.0, 5637.0, 5483.0, 5333.0, 5456.0, 5643.0, 5558.0, 5506.0, 5414.0, 5702.0, 5516.0, 5626.0, 5406.0, 5304.0, 5693.0, 5488.0, 5337.0, 5345.0, 5338.0, 5548.0, 5534.0, 5412.0, 5509.0, 5642.0, 5350.0, 5316.0, 5596.0, 5478.0, 5655.0, 5392.0, 5621.0, 5598.0, 5625.0, 5255.0, 5368.0, 5252.0, 5580.0, 5294.0, 5490.0, 5720.0, 5437.0, 5380.0, 5496.0, 5633.0, 5703.0, 5469.0, 5623.0, 5428.0, 5323.0, 5290.0, 5583.0, 5481.0, 5402.0, 5597.0, 5459.0, 5650.0,

						5424.0, 5457.0, 5311.0, 5560.0, 5631.0, 5635.0, 5499.0, 5281.0, 5341.0, 5676.0, 5663.0, 5332.0, 5670.0, 5274.0, 5433.0, 5537.0, 5370.0, 5266.0, 5357.0, 5704.0, 5300.0, 5673.0, 5722.0, 5542.0, 5364.0, 5381.0, 5295.0, 5351.0, 5422.0, 5653.0 (number of hits: 15)
5	5530.0	9	1.0	333	1	5303.0, 5313.0, 5360.0, 5555.0, 5638.0, 5469.0, 5531.0, 5267.0, 5476.0, 5492.0, 5620.0, 5625.0, 5546.0, 5343.0, 5484.0, 5250.0, 5383.0, 5370.0, 5369.0, 5398.0, 5329.0, 5321.0, 5288.0, 5623.0, 5502.0, 5347.0, 5643.0, 5716.0, 5613.0, 5662.0, 5537.0, 5356.0, 5490.0, 5423.0, 5409.0, 5485.0, 5319.0, 5510.0, 5717.0, 5639.0, 5416.0, 5719.0, 5428.0, 5254.0, 5514.0, 5462.0, 5543.0, 5573.0, 5626.0, 5348.0, 5444.0, 5630.0, 5611.0, 5405.0, 5663.0, 5396.0, 5305.0, 5274.0, 5381.0, 5680.0, 5553.0, 5426.0, 5593.0, 5629.0, 5679.0, 5588.0, 5304.0, 5612.0, 5470.0, 5410.0, 5466.0, 5601.0, 5310.0, 5372.0, 5255.0, 5387.0, 5559.0, 5519.0, 5507.0, 5641.0, 5657.0, 5487.0, 5552.0, 5425.0, 5332.0, 5418.0, 5414.0, 5558.0, 5464.0, 5401.0, 5562.0, 5549.0, 5722.0, 5435.0, 5511.0, 5308.0, 5637.0, 5463.0, 5419.0, 5622.0 (number of hits: 18)
6	5530.0	9	1.0	333	1	5383.0, 5514.0, 5498.0, 5317.0, 5369.0, 5258.0, 5696.0, 5617.0, 5290.0, 5588.0, 5395.0, 5553.0, 5519.0, 5480.0, 5270.0, 5505.0, 5529.0, 5331.0, 5486.0, 5414.0, 5405.0, 5668.0, 5689.0, 5487.0, 5489.0, 5560.0, 5677.0, 5535.0, 5640.0, 5357.0, 5711.0, 5636.0, 5344.0, 5429.0, 5373.0, 5439.0, 5296.0, 5410.0, 5437.0, 5531.0, 5638.0, 5692.0, 5556.0, 5516.0, 5327.0, 5600.0, 5566.0, 5433.0, 5682.0, 5697.0, 5536.0, 5558.0, 5297.0, 5686.0, 5394.0, 5295.0, 5656.0, 5700.0, 5310.0, 5467.0, 5706.0, 5447.0, 5573.0, 5654.0, 5572.0, 5466.0, 5683.0, 5378.0, 5596.0, 5517.0, 5420.0, 5427.0, 5477.0, 5356.0, 5463.0, 5513.0, 5607.0, 5462.0, 5626.0, 5591.0, 5271.0, 5298.0, 5381.0, 5360.0, 5661.0, 5389.0, 5363.0, 5454.0, 5538.0, 5637.0, 5521.0, 5372.0, 5458.0, 5393.0, 5608.0, 5533.0, 5557.0, 5252.0, 5309.0, 5708.0 (number of hits: 20)
7	5530.0	9	1.0	333	1	5406.0, 5253.0, 5658.0, 5538.0, 5294.0, 5580.0, 5604.0, 5517.0, 5491.0, 5596.0, 5636.0, 5393.0, 5629.0, 5323.0, 5254.0, 5279.0, 5404.0, 5568.0, 5272.0, 5345.0, 5572.0, 5348.0, 5309.0, 5554.0, 5379.0, 5477.0, 5545.0, 5711.0, 5401.0, 5667.0, 5343.0, 5317.0, 5295.0, 5595.0, 5558.0, 5655.0, 5619.0, 5550.0, 5621.0, 5577.0, 5625.0, 5417.0, 5559.0, 5693.0, 5266.0, 5641.0, 5624.0, 5407.0, 5362.0, 5571.0, 5308.0, 5511.0, 5252.0, 5622.0, 5261.0, 5698.0, 5652.0, 5547.0, 5402.0, 5301.0, 5354.0, 5433.0, 5265.0, 5590.0, 5257.0, 5490.0, 5607.0, 5478.0, 5565.0, 5689.0, 5461.0, 5455.0, 5540.0, 5388.0, 5396.0, 5631.0, 5615.0, 5426.0, 5542.0, 5561.0, 5654.0, 5416.0, 5378.0, 5334.0, 5601.0, 5421.0, 5557.0, 5460.0, 5668.0, 5306.0, 5484.0, 5592.0, 5623.0, 5255.0, 5273.0, 5403.0, 5520.0, 5466.0, 5373.0, 5281.0 (number of hits: 17)
8	5530.0	9	1.0	333	1	5695.0, 5405.0, 5631.0, 5668.0, 5494.0, 5383.0, 5611.0, 5589.0, 5484.0, 5499.0, 5500.0, 5433.0, 5422.0, 5437.0, 5302.0, 5380.0, 5651.0, 5604.0, 5661.0, 5512.0, 5682.0, 5579.0, 5250.0, 5517.0, 5687.0, 5652.0, 5276.0, 5295.0, 5680.0, 5483.0, 5261.0, 5334.0, 5251.0, 5413.0, 5629.0, 5482.0, 5284.0, 5395.0, 5323.0, 5391.0, 5253.0, 5714.0, 5625.0, 5452.0, 5681.0, 5324.0, 5439.0, 5410.0, 5556.0, 5491.0, 5588.0, 5290.0, 5569.0, 5519.0, 5268.0, 5473.0, 5689.0, 5432.0, 5354.0, 5623.0, 5495.0, 5449.0, 5493.0, 5693.0, 5527.0, 5331.0, 5479.0, 5692.0, 5686.0, 5630.0, 5376.0, 5647.0, 5360.0, 5409.0, 5308.0, 5660.0, 5316.0,

						5270.0, 5478.0, 5568.0, 5645.0, 5675.0, 5567.0, 5379.0, 5696.0, 5618.0, 5381.0, 5557.0, 5559.0, 5291.0, 5398.0, 5674.0, 5353.0, 5371.0, 5586.0, 5447.0, 5673.0, 5300.0, 5427.0, 5456.0 (number of hits: 15)
9	5530.0	9	1.0	333	1	5328.0, 5605.0, 5696.0, 5414.0, 5450.0, 5445.0, 5545.0, 5406.0, 5394.0, 5332.0, 5316.0, 5559.0, 5530.0, 5288.0, 5717.0, 5576.0, 5466.0, 5341.0, 5685.0, 5262.0, 5461.0, 5656.0, 5451.0, 5526.0, 5301.0, 5531.0, 5608.0, 5431.0, 5258.0, 5279.0, 5572.0, 5274.0, 5359.0, 5290.0, 5334.0, 5283.0, 5615.0, 5631.0, 5418.0, 5639.0, 5454.0, 5420.0, 5282.0, 5489.0, 5448.0, 5314.0, 5676.0, 5381.0, 5351.0, 5408.0, 5638.0, 5252.0, 5672.0, 5475.0, 5347.0, 5563.0, 5527.0, 5294.0, 5585.0, 5653.0, 5463.0, 5548.0, 5266.0, 5609.0, 5307.0, 5412.0, 5488.0, 5298.0, 5645.0, 5272.0, 5401.0, 5349.0, 5490.0, 5580.0, 5704.0, 5497.0, 5305.0, 5611.0, 5344.0, 5623.0, 5560.0, 5516.0, 5712.0, 5500.0, 5456.0, 5422.0, 5709.0, 5523.0, 5495.0, 5270.0, 5541.0, 5487.0, 5719.0, 5648.0, 5720.0, 5578.0, 5651.0, 5367.0, 5430.0, 5529.0 (number of hits: 16)
10	5530.0	9	1.0	333	1	5720.0, 5630.0, 5589.0, 5540.0, 5703.0, 5533.0, 5700.0, 5264.0, 5710.0, 5680.0, 5633.0, 5475.0, 5309.0, 5553.0, 5255.0, 5454.0, 5395.0, 5357.0, 5507.0, 5653.0, 5303.0, 5251.0, 5500.0, 5583.0, 5689.0, 5520.0, 5291.0, 5512.0, 5636.0, 5683.0, 5571.0, 5336.0, 5345.0, 5449.0, 5697.0, 5278.0, 5383.0, 5343.0, 5652.0, 5657.0, 5666.0, 5638.0, 5314.0, 5679.0, 5536.0, 5561.0, 5675.0, 5315.0, 5292.0, 5417.0, 5335.0, 5496.0, 5348.0, 5532.0, 5494.0, 5695.0, 5396.0, 5682.0, 5696.0, 5325.0, 5660.0, 5690.0, 5489.0, 5461.0, 5400.0, 5431.0, 5399.0, 5340.0, 5707.0, 5644.0, 5263.0, 5418.0, 5366.0, 5503.0, 5299.0, 5516.0, 5423.0, 5716.0, 5607.0, 5273.0, 5563.0, 5412.0, 5458.0, 5327.0, 5623.0, 5615.0, 5668.0, 5363.0, 5616.0, 5428.0, 5254.0, 5415.0, 5280.0, 5289.0, 5646.0, 5721.0, 5510.0, 5522.0, 5612.0, 5483.0 (number of hits: 17)
11	5530.0	9	1.0	333	1	5394.0, 5683.0, 5414.0, 5583.0, 5398.0, 5643.0, 5493.0, 5523.0, 5691.0, 5615.0, 5503.0, 5567.0, 5553.0, 5259.0, 5722.0, 5372.0, 5703.0, 5287.0, 5578.0, 5423.0, 5604.0, 5580.0, 5579.0, 5251.0, 5411.0, 5368.0, 5662.0, 5538.0, 5342.0, 5711.0, 5601.0, 5558.0, 5609.0, 5647.0, 5358.0, 5655.0, 5542.0, 5291.0, 5498.0, 5303.0, 5668.0, 5445.0, 5574.0, 5571.0, 5357.0, 5284.0, 5709.0, 5373.0, 5418.0, 5694.0, 5613.0, 5593.0, 5384.0, 5563.0, 5632.0, 5547.0, 5307.0, 5644.0, 5269.0, 5319.0, 5666.0, 5700.0, 5505.0, 5311.0, 5490.0, 5658.0, 5673.0, 5385.0, 5539.0, 5491.0, 5429.0, 5630.0, 5454.0, 5417.0, 5286.0, 5293.0, 5390.0, 5541.0, 5400.0, 5555.0, 5620.0, 5678.0, 5271.0, 5350.0, 5598.0, 5378.0, 5637.0, 5548.0, 5352.0, 5635.0, 5412.0, 5529.0, 5626.0, 5292.0, 5337.0, 5687.0, 5313.0, 5588.0, 5483.0, 5517.0 (number of hits: 19)
12	5530.0	9	1.0	333	1	5598.0, 5678.0, 5593.0, 5421.0, 5355.0, 5285.0, 5323.0, 5660.0, 5494.0, 5297.0, 5466.0, 5713.0, 5351.0, 5315.0, 5535.0, 5550.0, 5522.0, 5710.0, 5565.0, 5477.0, 5406.0, 5373.0, 5551.0, 5634.0, 5491.0, 5456.0, 5423.0, 5609.0, 5429.0, 5506.0, 5465.0, 5594.0, 5709.0, 5260.0, 5683.0, 5721.0, 5674.0, 5613.0, 5604.0, 5366.0, 5591.0, 5266.0, 5580.0, 5637.0, 5643.0, 5272.0, 5474.0, 5541.0, 5665.0, 5687.0, 5463.0, 5296.0, 5418.0, 5430.0, 5661.0, 5301.0, 5265.0, 5614.0, 5298.0, 5387.0, 5499.0, 5464.0, 5610.0, 5304.0, 5379.0, 5408.0, 5445.0, 5583.0, 5706.0, 5698.0, 5375.0, 5353.0, 5264.0, 5305.0, 5357.0, 5276.0, 5705.0, 5588.0, 5666.0, 5616.0, 5672.0, 5503.0, 5603.0, 5490.0,

						5489.0, 5449.0, 5680.0, 5422.0, 5481.0, 5365.0, 5390.0, 5567.0, 5621.0, 5520.0, 5335.0, 5707.0, 5485.0, 5716.0, 5685.0, 5498.0 (number of hits: 14)
13	5530.0	9	1.0	333	1	5282.0, 5617.0, 5525.0, 5680.0, 5706.0, 5330.0, 5341.0, 5549.0, 5275.0, 5717.0, 5698.0, 5271.0, 5381.0, 5392.0, 5612.0, 5334.0, 5677.0, 5626.0, 5504.0, 5363.0, 5263.0, 5627.0, 5614.0, 5485.0, 5412.0, 5260.0, 5719.0, 5709.0, 5313.0, 5724.0, 5484.0, 5589.0, 5340.0, 5639.0, 5401.0, 5251.0, 5342.0, 5415.0, 5565.0, 5600.0, 5332.0, 5537.0, 5630.0, 5410.0, 5578.0, 5425.0, 5590.0, 5660.0, 5491.0, 5286.0, 5448.0, 5645.0, 5272.0, 5516.0, 5582.0, 5609.0, 5624.0, 5292.0, 5364.0, 5284.0, 5372.0, 5477.0, 5597.0, 5254.0, 5250.0, 5685.0, 5705.0, 5568.0, 5287.0, 5355.0, 5373.0, 5336.0, 5583.0, 5684.0, 5594.0, 5366.0, 5276.0, 5635.0, 5581.0, 5670.0, 5712.0, 5499.0, 5523.0, 5621.0, 5691.0, 5501.0, 5335.0, 5255.0, 5604.0, 5302.0, 5423.0, 5545.0, 5528.0, 5619.0, 5274.0, 5278.0, 5671.0, 5459.0, 5541.0, 5420.0 (number of hits: 14)
14	5530.0	9	1.0	333	1	5673.0, 5283.0, 5687.0, 5417.0, 5436.0, 5255.0, 5350.0, 5265.0, 5639.0, 5686.0, 5675.0, 5320.0, 5454.0, 5709.0, 5641.0, 5566.0, 5483.0, 5425.0, 5351.0, 5341.0, 5693.0, 5722.0, 5467.0, 5462.0, 5577.0, 5367.0, 5316.0, 5285.0, 5435.0, 5397.0, 5678.0, 5412.0, 5587.0, 5597.0, 5615.0, 5332.0, 5385.0, 5668.0, 5344.0, 5402.0, 5466.0, 5420.0, 5621.0, 5711.0, 5533.0, 5418.0, 5424.0, 5388.0, 5697.0, 5603.0, 5538.0, 5646.0, 5473.0, 5592.0, 5384.0, 5692.0, 5476.0, 5713.0, 5408.0, 5319.0, 5574.0, 5624.0, 5714.0, 5442.0, 5653.0, 5256.0, 5376.0, 5362.0, 5495.0, 5382.0, 5419.0, 5457.0, 5588.0, 5614.0, 5652.0, 5405.0, 5688.0, 5438.0, 5706.0, 5527.0, 5258.0, 5521.0, 5528.0, 5491.0, 5629.0, 5703.0, 5564.0, 5516.0, 5486.0, 5659.0, 5261.0, 5611.0, 5308.0, 5665.0, 5331.0, 5281.0, 5541.0, 5547.0, 5499.0, 5585.0 (number of hits: 13)
15	5530.0	9	1.0	333	1	5269.0, 5704.0, 5652.0, 5648.0, 5373.0, 5530.0, 5660.0, 5585.0, 5683.0, 5475.0, 5521.0, 5436.0, 5676.0, 5425.0, 5577.0, 5647.0, 5655.0, 5479.0, 5414.0, 5254.0, 5336.0, 5497.0, 5489.0, 5556.0, 5582.0, 5467.0, 5605.0, 5592.0, 5630.0, 5639.0, 5349.0, 5657.0, 5399.0, 5519.0, 5369.0, 5536.0, 5524.0, 5638.0, 5559.0, 5279.0, 5476.0, 5423.0, 5273.0, 5441.0, 5679.0, 5493.0, 5280.0, 5663.0, 5477.0, 5503.0, 5298.0, 5545.0, 5261.0, 5490.0, 5338.0, 5340.0, 5617.0, 5603.0, 5322.0, 5510.0, 5365.0, 5329.0, 5288.0, 5496.0, 5642.0, 5433.0, 5555.0, 5419.0, 5289.0, 5439.0, 5625.0, 5486.0, 5551.0, 5492.0, 5619.0, 5593.0, 5483.0, 5500.0, 5717.0, 5455.0, 5508.0, 5659.0, 5277.0, 5608.0, 5316.0, 5703.0, 5297.0, 5646.0, 5494.0, 5348.0, 5395.0, 5324.0, 5562.0, 5478.0, 5518.0, 5401.0, 5674.0, 5714.0, 5271.0, 5258.0 (number of hits: 21)
16	5530.0	9	1.0	333	1	5497.0, 5342.0, 5693.0, 5329.0, 5578.0, 5637.0, 5356.0, 5256.0, 5475.0, 5517.0, 5603.0, 5371.0, 5258.0, 5299.0, 5286.0, 5562.0, 5526.0, 5548.0, 5421.0, 5309.0, 5376.0, 5707.0, 5721.0, 5633.0, 5598.0, 5369.0, 5690.0, 5724.0, 5702.0, 5651.0, 5595.0, 5448.0, 5696.0, 5266.0, 5528.0, 5657.0, 5416.0, 5457.0, 5494.0, 5522.0, 5520.0, 5272.0, 5358.0, 5529.0, 5616.0, 5649.0, 5305.0, 5287.0, 5327.0, 5505.0, 5264.0, 5498.0, 5275.0, 5698.0, 5325.0, 5360.0, 5684.0, 5552.0, 5280.0, 5446.0, 5705.0, 5678.0, 5254.0, 5344.0, 5536.0, 5316.0, 5638.0, 5703.0, 5571.0, 5251.0, 5429.0, 5363.0, 5412.0, 5463.0, 5425.0, 5383.0, 5346.0, 5650.0, 5544.0, 5675.0, 5444.0, 5331.0, 5306.0, 5692.0, 5583.0, 5605.0, 5470.0, 5502.0, 5685.0, 5590.0, 5345.0,

						5396.0, 5488.0, 5717.0, 5271.0, 5273.0, 5304.0, 5677.0, 5399.0, 5366.0 (number of hits: 16)
17	5530.0	9	1.0	333	1	5528.0, 5537.0, 5705.0, 5264.0, 5339.0, 5449.0, 5713.0, 5384.0, 5681.0, 5606.0, 5624.0, 5663.0, 5569.0, 5723.0, 5465.0, 5636.0, 5613.0, 5431.0, 5404.0, 5514.0, 5712.0, 5263.0, 5530.0, 5567.0, 5480.0, 5568.0, 5590.0, 5475.0, 5413.0, 5380.0, 5454.0, 5307.0, 5417.0, 5389.0, 5649.0, 5620.0, 5402.0, 5584.0, 5282.0, 5488.0, 5458.0, 5309.0, 5626.0, 5657.0, 5368.0, 5655.0, 5582.0, 5308.0, 5633.0, 5351.0, 5272.0, 5631.0, 5329.0, 5593.0, 5452.0, 5653.0, 5635.0, 5552.0, 5354.0, 5694.0, 5333.0, 5666.0, 5496.0, 5670.0, 5501.0, 5424.0, 5278.0, 5362.0, 5492.0, 5319.0, 5676.0, 5290.0, 5540.0, 5708.0, 5493.0, 5572.0, 5581.0, 5485.0, 5508.0, 5318.0, 5499.0, 5600.0, 5464.0, 5561.0, 5588.0, 5361.0, 5415.0, 5573.0, 5548.0, 5332.0, 5350.0, 5585.0, 5360.0, 5432.0, 5595.0, 5295.0, 5615.0, 5645.0, 5522.0, 5564.0 (number of hits: 18)
18	5530.0	9	1.0	333	1	5685.0, 5512.0, 5723.0, 5661.0, 5688.0, 5530.0, 5513.0, 5555.0, 5691.0, 5687.0, 5653.0, 5710.0, 5256.0, 5516.0, 5412.0, 5592.0, 5559.0, 5481.0, 5396.0, 5324.0, 5336.0, 5362.0, 5363.0, 5370.0, 5346.0, 5297.0, 5572.0, 5427.0, 5493.0, 5525.0, 5565.0, 5495.0, 5394.0, 5708.0, 5273.0, 5319.0, 5500.0, 5334.0, 5314.0, 5564.0, 5679.0, 5395.0, 5566.0, 5342.0, 5501.0, 5379.0, 5290.0, 5600.0, 5490.0, 5539.0, 5601.0, 5605.0, 5553.0, 5667.0, 5617.0, 5561.0, 5570.0, 5411.0, 5499.0, 5318.0, 5717.0, 5361.0, 5397.0, 5284.0, 5305.0, 5465.0, 5474.0, 5534.0, 5664.0, 5398.0, 5551.0, 5612.0, 5536.0, 5344.0, 5373.0, 5509.0, 5413.0, 5436.0, 5355.0, 5292.0, 5278.0, 5577.0, 5674.0, 5671.0, 5432.0, 5386.0, 5666.0, 5459.0, 5447.0, 5426.0, 5496.0, 5549.0, 5322.0, 5692.0, 5289.0, 5455.0, 5375.0, 5329.0, 5639.0, 5308.0 (number of hits: 24)
19	5530.0	9	1.0	333	1	5420.0, 5481.0, 5317.0, 5321.0, 5338.0, 5383.0, 5426.0, 5350.0, 5448.0, 5710.0, 5535.0, 5652.0, 5606.0, 5511.0, 5319.0, 5628.0, 5281.0, 5370.0, 5259.0, 5720.0, 5351.0, 5475.0, 5271.0, 5660.0, 5440.0, 5373.0, 5555.0, 5375.0, 5631.0, 5287.0, 5276.0, 5493.0, 5569.0, 5610.0, 5486.0, 5722.0, 5427.0, 5392.0, 5623.0, 5624.0, 5578.0, 5678.0, 5584.0, 5616.0, 5340.0, 5646.0, 5689.0, 5558.0, 5379.0, 5387.0, 5602.0, 5470.0, 5600.0, 5579.0, 5421.0, 5264.0, 5547.0, 5597.0, 5381.0, 5615.0, 5583.0, 5659.0, 5482.0, 5418.0, 5467.0, 5523.0, 5255.0, 5619.0, 5252.0, 5402.0, 5349.0, 5434.0, 5499.0, 5390.0, 5397.0, 5318.0, 5280.0, 5518.0, 5709.0, 5417.0, 5260.0, 5527.0, 5303.0, 5283.0, 5563.0, 5423.0, 5406.0, 5549.0, 5395.0, 5305.0, 5430.0, 5666.0, 5347.0, 5419.0, 5294.0, 5263.0, 5534.0, 5483.0, 5621.0, 5595.0 (number of hits: 13)
20	5530.0	9	1.0	333	1	5587.0, 5610.0, 5356.0, 5658.0, 5574.0, 5424.0, 5477.0, 5680.0, 5385.0, 5261.0, 5474.0, 5350.0, 5455.0, 5412.0, 5396.0, 5423.0, 5371.0, 5722.0, 5550.0, 5493.0, 5555.0, 5646.0, 5699.0, 5576.0, 5323.0, 5573.0, 5462.0, 5572.0, 5482.0, 5624.0, 5345.0, 5390.0, 5463.0, 5570.0, 5425.0, 5611.0, 5569.0, 5413.0, 5302.0, 5456.0, 5299.0, 5363.0, 5259.0, 5457.0, 5543.0, 5633.0, 5522.0, 5721.0, 5395.0, 5687.0, 5698.0, 5286.0, 5708.0, 5537.0, 5659.0, 5489.0, 5596.0, 5575.0, 5620.0, 5391.0, 5636.0, 5370.0, 5289.0, 5368.0, 5378.0, 5440.0, 5337.0, 5394.0, 5666.0, 5329.0, 5540.0, 5325.0, 5311.0, 5553.0, 5601.0, 5298.0, 5518.0, 5372.0, 5355.0, 5389.0, 5507.0, 5549.0, 5497.0, 5694.0, 5712.0, 5267.0, 5484.0, 5475.0, 5521.0, 5501.0, 5677.0, 5515.0, 5272.0, 5434.0, 5650.0, 5709.0, 5591.0, 5288.0,

						5359.0, 5667.0 (number of hits: 15)
21	5530.0	9	1.0	333	1	5284.0, 5314.0, 5704.0, 5649.0, 5586.0, 5701.0, 5520.0, 5532.0, 5399.0, 5465.0, 5398.0, 5628.0, 5513.0, 5319.0, 5706.0, 5589.0, 5671.0, 5257.0, 5492.0, 5362.0, 5672.0, 5251.0, 5665.0, 5440.0, 5660.0, 5439.0, 5347.0, 5430.0, 5723.0, 5710.0, 5263.0, 5437.0, 5610.0, 5444.0, 5433.0, 5258.0, 5625.0, 5556.0, 5283.0, 5638.0, 5627.0, 5644.0, 5325.0, 5479.0, 5539.0, 5702.0, 5587.0, 5667.0, 5318.0, 5269.0, 5709.0, 5287.0, 5264.0, 5516.0, 5720.0, 5599.0, 5363.0, 5341.0, 5470.0, 5464.0, 5424.0, 5546.0, 5484.0, 5299.0, 5335.0, 5576.0, 5327.0, 5622.0, 5567.0, 5471.0, 5711.0, 5489.0, 5550.0, 5570.0, 5580.0, 5691.0, 5721.0, 5527.0, 5406.0, 5331.0, 5355.0, 5294.0, 5722.0, 5344.0, 5384.0, 5500.0, 5577.0, 5632.0, 5386.0, 5375.0, 5472.0, 5443.0, 5612.0, 5259.0, 5485.0, 5304.0, 5564.0, 5262.0, 5438.0, 5544.0 (number of hits: 14)
22	5530.0	9	1.0	333	1	5397.0, 5256.0, 5385.0, 5659.0, 5602.0, 5474.0, 5269.0, 5486.0, 5263.0, 5481.0, 5404.0, 5361.0, 5670.0, 5621.0, 5258.0, 5678.0, 5642.0, 5303.0, 5477.0, 5669.0, 5703.0, 5649.0, 5451.0, 5421.0, 5270.0, 5617.0, 5388.0, 5709.0, 5363.0, 5454.0, 5641.0, 5655.0, 5711.0, 5627.0, 5392.0, 5607.0, 5520.0, 5630.0, 5407.0, 5411.0, 5337.0, 5332.0, 5489.0, 5595.0, 5664.0, 5264.0, 5535.0, 5389.0, 5424.0, 5679.0, 5275.0, 5684.0, 5608.0, 5351.0, 5549.0, 5350.0, 5482.0, 5394.0, 5333.0, 5485.0, 5330.0, 5716.0, 5347.0, 5323.0, 5571.0, 5374.0, 5360.0, 5428.0, 5341.0, 5502.0, 5399.0, 5483.0, 5440.0, 5288.0, 5704.0, 5564.0, 5358.0, 5510.0, 5521.0, 5487.0, 5626.0, 5645.0, 5633.0, 5381.0, 5511.0, 5692.0, 5416.0, 5516.0, 5713.0, 5675.0, 5593.0, 5673.0, 5387.0, 5386.0, 5267.0, 5304.0, 5557.0, 5280.0, 5578.0, 5285.0 (number of hits: 10)
23	5530.0	9	1.0	333	1	5551.0, 5610.0, 5271.0, 5574.0, 5523.0, 5643.0, 5330.0, 5340.0, 5510.0, 5546.0, 5436.0, 5597.0, 5479.0, 5414.0, 5680.0, 5540.0, 5495.0, 5425.0, 5724.0, 5506.0, 5475.0, 5435.0, 5371.0, 5448.0, 5712.0, 5595.0, 5614.0, 5563.0, 5529.0, 5658.0, 5487.0, 5384.0, 5667.0, 5628.0, 5684.0, 5536.0, 5403.0, 5664.0, 5616.0, 5431.0, 5674.0, 5537.0, 5261.0, 5349.0, 5705.0, 5258.0, 5404.0, 5289.0, 5636.0, 5377.0, 5353.0, 5387.0, 5615.0, 5442.0, 5417.0, 5310.0, 5373.0, 5329.0, 5293.0, 5519.0, 5379.0, 5437.0, 5488.0, 5704.0, 5514.0, 5594.0, 5253.0, 5457.0, 5533.0, 5429.0, 5621.0, 5393.0, 5318.0, 5296.0, 5624.0, 5446.0, 5278.0, 5380.0, 5368.0, 5671.0, 5469.0, 5714.0, 5383.0, 5498.0, 5721.0, 5307.0, 5562.0, 5581.0, 5718.0, 5517.0, 5276.0, 5560.0, 5596.0, 5452.0, 5279.0, 5653.0, 5565.0, 5311.0, 5502.0, 5675.0 (number of hits: 20)
24	5530.0	9	1.0	333	1	5601.0, 5318.0, 5525.0, 5524.0, 5380.0, 5273.0, 5591.0, 5311.0, 5587.0, 5387.0, 5661.0, 5564.0, 5671.0, 5492.0, 5606.0, 5714.0, 5269.0, 5378.0, 5605.0, 5657.0, 5558.0, 5660.0, 5418.0, 5722.0, 5650.0, 5701.0, 5454.0, 5452.0, 5711.0, 5478.0, 5260.0, 5348.0, 5331.0, 5530.0, 5426.0, 5301.0, 5309.0, 5501.0, 5563.0, 5658.0, 5598.0, 5289.0, 5372.0, 5720.0, 5255.0, 5566.0, 5330.0, 5503.0, 5305.0, 5695.0, 5371.0, 5324.0, 5632.0, 5505.0, 5638.0, 5251.0, 5279.0, 5583.0, 5687.0, 5482.0, 5285.0, 5457.0, 5500.0, 5670.0, 5561.0, 5536.0, 5499.0, 5294.0, 5369.0, 5699.0, 5461.0, 5516.0, 5674.0, 5384.0, 5363.0, 5431.0, 5362.0, 5375.0, 5394.0, 5367.0, 5445.0, 5423.0, 5688.0, 5440.0, 5582.0, 5654.0, 5613.0, 5412.0, 5278.0, 5578.0, 5659.0, 5366.0, 5709.0, 5702.0, 5290.0, 5594.0, 5669.0, 5479.0, 5275.0, 5616.0 (number of hits: 16)

25	5530.0	9	1.0	333	1	5558.0, 5588.0, 5570.0, 5300.0, 5572.0, 5446.0, 5293.0, 5611.0, 5333.0, 5399.0, 5533.0, 5637.0, 5261.0, 5544.0, 5603.0, 5351.0, 5471.0, 5398.0, 5405.0, 5484.0, 5350.0, 5687.0, 5315.0, 5553.0, 5639.0, 5434.0, 5391.0, 5643.0, 5413.0, 5709.0, 5480.0, 5671.0, 5311.0, 5438.0, 5685.0, 5488.0, 5304.0, 5518.0, 5307.0, 5508.0, 5297.0, 5531.0, 5487.0, 5407.0, 5563.0, 5354.0, 5693.0, 5697.0, 5358.0, 5308.0, 5700.0, 5477.0, 5252.0, 5364.0, 5306.0, 5426.0, 5674.0, 5373.0, 5430.0, 5453.0, 5554.0, 5494.0, 5338.0, 5269.0, 5580.0, 5665.0, 5292.0, 5348.0, 5436.0, 5288.0, 5271.0, 5702.0, 5537.0, 5517.0, 5504.0, 5276.0, 5511.0, 5287.0, 5461.0, 5608.0, 5677.0, 5711.0, 5672.0, 5564.0, 5701.0, 5382.0, 5499.0, 5327.0, 5545.0, 5355.0, 5343.0, 5528.0, 5256.0, 5330.0, 5598.0, 5388.0, 5507.0, 5575.0, 5478.0, 5303.0 (number of hits: 19)
26	5530.0	9	1.0	333	1	5258.0, 5470.0, 5518.0, 5529.0, 5462.0, 5434.0, 5580.0, 5551.0, 5571.0, 5528.0, 5465.0, 5703.0, 5501.0, 5575.0, 5713.0, 5352.0, 5293.0, 5641.0, 5595.0, 5668.0, 5296.0, 5590.0, 5430.0, 5616.0, 5704.0, 5441.0, 5578.0, 5599.0, 5600.0, 5463.0, 5445.0, 5340.0, 5414.0, 5410.0, 5391.0, 5474.0, 5337.0, 5534.0, 5556.0, 5253.0, 5379.0, 5562.0, 5526.0, 5289.0, 5652.0, 5365.0, 5545.0, 5273.0, 5424.0, 5272.0, 5464.0, 5598.0, 5655.0, 5381.0, 5701.0, 5269.0, 5277.0, 5401.0, 5260.0, 5411.0, 5698.0, 5614.0, 5336.0, 5550.0, 5358.0, 5369.0, 5306.0, 5483.0, 5678.0, 5564.0, 5444.0, 5386.0, 5513.0, 5660.0, 5514.0, 5576.0, 5317.0, 5350.0, 5604.0, 5433.0, 5707.0, 5292.0, 5574.0, 5256.0, 5413.0, 5588.0, 5646.0, 5310.0, 5294.0, 5388.0, 5634.0, 5408.0, 5613.0, 5397.0, 5702.0, 5416.0, 5558.0, 5687.0, 5630.0, 5428.0 (number of hits: 15)
27	5530.0	9	1.0	333	1	5697.0, 5279.0, 5542.0, 5688.0, 5331.0, 5324.0, 5720.0, 5581.0, 5329.0, 5441.0, 5702.0, 5462.0, 5664.0, 5272.0, 5517.0, 5347.0, 5565.0, 5636.0, 5352.0, 5491.0, 5262.0, 5593.0, 5409.0, 5679.0, 5333.0, 5492.0, 5611.0, 5599.0, 5369.0, 5711.0, 5559.0, 5647.0, 5334.0, 5694.0, 5256.0, 5315.0, 5575.0, 5465.0, 5416.0, 5268.0, 5613.0, 5435.0, 5590.0, 5367.0, 5317.0, 5478.0, 5619.0, 5335.0, 5365.0, 5456.0, 5277.0, 5496.0, 5602.0, 5660.0, 5378.0, 5285.0, 5652.0, 5650.0, 5255.0, 5719.0, 5604.0, 5721.0, 5534.0, 5251.0, 5318.0, 5450.0, 5654.0, 5598.0, 5630.0, 5714.0, 5418.0, 5427.0, 5362.0, 5395.0, 5500.0, 5345.0, 5407.0, 5319.0, 5551.0, 5716.0, 5570.0, 5382.0, 5339.0, 5380.0, 5586.0, 5499.0, 5624.0, 5567.0, 5644.0, 5532.0, 5669.0, 5519.0, 5312.0, 5267.0, 5305.0, 5294.0, 5358.0, 5443.0, 5428.0, 5484.0 (number of hits: 14)
28	5530.0	9	1.0	333	1	5361.0, 5468.0, 5362.0, 5721.0, 5536.0, 5341.0, 5636.0, 5270.0, 5650.0, 5701.0, 5451.0, 5447.0, 5553.0, 5286.0, 5716.0, 5649.0, 5311.0, 5501.0, 5401.0, 5376.0, 5416.0, 5344.0, 5617.0, 5477.0, 5418.0, 5608.0, 5693.0, 5567.0, 5679.0, 5533.0, 5346.0, 5360.0, 5271.0, 5349.0, 5397.0, 5486.0, 5325.0, 5696.0, 5612.0, 5457.0, 5597.0, 5529.0, 5458.0, 5313.0, 5685.0, 5494.0, 5423.0, 5437.0, 5310.0, 5593.0, 5588.0, 5402.0, 5393.0, 5601.0, 5324.0, 5409.0, 5331.0, 5359.0, 5699.0, 5251.0, 5389.0, 5404.0, 5596.0, 5544.0, 5695.0, 5258.0, 5431.0, 5400.0, 5657.0, 5303.0, 5319.0, 5669.0, 5509.0, 5298.0, 5350.0, 5476.0, 5312.0, 5575.0, 5256.0, 5620.0, 5275.0, 5498.0, 5288.0, 5614.0, 5450.0, 5440.0, 5639.0, 5426.0, 5555.0, 5363.0, 5471.0, 5586.0, 5635.0, 5549.0, 5686.0, 5598.0, 5647.0, 5432.0, 5446.0, 5672.0 (number of hits: 12)
29	5530.0	9	1.0	333	1	5442.0, 5578.0, 5582.0, 5577.0, 5596.0, 5410.0, 5564.0,

						5322.0, 5683.0, 5508.0, 5525.0, 5674.0, 5412.0, 5506.0, 5660.0, 5581.0, 5404.0, 5530.0, 5509.0, 5470.0, 5437.0, 5295.0, 5358.0, 5331.0, 5299.0, 5275.0, 5344.0, 5551.0, 5367.0, 5713.0, 5518.0, 5622.0, 5389.0, 5706.0, 5529.0, 5447.0, 5483.0, 5648.0, 5522.0, 5383.0, 5724.0, 5702.0, 5654.0, 5576.0, 5317.0, 5574.0, 5579.0, 5346.0, 5289.0, 5440.0, 5356.0, 5396.0, 5562.0, 5600.0, 5391.0, 5556.0, 5635.0, 5546.0, 5362.0, 5397.0, 5423.0, 5636.0, 5296.0, 5376.0, 5313.0, 5401.0, 5439.0, 5458.0, 5544.0, 5536.0, 5717.0, 5488.0, 5489.0, 5531.0, 5631.0, 5535.0, 5315.0, 5398.0, 5549.0, 5721.0, 5496.0, 5676.0, 5527.0, 5558.0, 5657.0, 5429.0, 5330.0, 5698.0, 5628.0, 5369.0, 5479.0, 5469.0, 5593.0, 5292.0, 5304.0, 5709.0, 5400.0, 5656.0, 5641.0, 5678.0 (number of hits: 21)
30	5530.0	9	1.0	333	1	5567.0, 5329.0, 5360.0, 5470.0, 5601.0, 5464.0, 5557.0, 5508.0, 5700.0, 5633.0, 5297.0, 5290.0, 5532.0, 5307.0, 5691.0, 5625.0, 5692.0, 5330.0, 5611.0, 5595.0, 5386.0, 5618.0, 5652.0, 5454.0, 5655.0, 5585.0, 5517.0, 5708.0, 5631.0, 5600.0, 5303.0, 5632.0, 5271.0, 5335.0, 5389.0, 5723.0, 5719.0, 5382.0, 5634.0, 5448.0, 5641.0, 5713.0, 5649.0, 5366.0, 5540.0, 5481.0, 5401.0, 5420.0, 5521.0, 5391.0, 5407.0, 5658.0, 5628.0, 5662.0, 5296.0, 5287.0, 5666.0, 5503.0, 5417.0, 5367.0, 5300.0, 5341.0, 5659.0, 5318.0, 5295.0, 5317.0, 5336.0, 5365.0, 5459.0, 5404.0, 5564.0, 5624.0, 5320.0, 5501.0, 5698.0, 5265.0, 5445.0, 5556.0, 5518.0, 5473.0, 5554.0, 5339.0, 5312.0, 5613.0, 5502.0, 5550.0, 5418.0, 5476.0, 5419.0, 5267.0, 5546.0, 5681.0, 5504.0, 5439.0, 5435.0, 5615.0, 5643.0, 5353.0, 5560.0, 5392.0 (number of hits: 18)

Client Mode
Cobalt 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	86.7 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	88.3%	80%	Pass
Type 5	30	96.7 %	80%	Pass
Type 6	30	96.7 %	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	74	1.0	718	0
3	92	1.0	578	1
4	99	1.0	538	1
5	57	1.0	938	1
6	78	1.0	678	1
7	63	1.0	838	1
8	86	1.0	618	1
9	58	1.0	918	1
10	65	1.0	818	1
11	61	1.0	878	1
12	68	1.0	778	1
13	76	1.0	698	1
14	59	1.0	898	1
15	72	1.0	738	1
16	49	1.0	1099	1
17	20	1.0	2713	1
18	22	1.0	2448	1
19	66	1.0	805	1
20	18	1.0	3010	1
21	27	1.0	1985	1
22	55	1.0	973	1
23	28	1.0	1947	1
24	20	1.0	2661	1
25	39	1.0	1375	1
26	22	1.0	2441	0
27	23	1.0	2300	1
28	48	1.0	1105	1
29	62	1.0	856	1
30	76	1.0	699	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	3.6	172	1
2	25	2.6	153	1
3	27	2.0	209	1
4	27	3.2	208	1
5	23	1.2	153	1
6	28	1.5	186	1
7	28	1.9	194	1
8	28	1.8	227	1
9	29	3.5	203	1
10	24	5.0	182	1
11	24	2.1	163	1
12	28	1.5	185	1
13	27	2.6	208	1
14	27	4.4	230	1
15	25	1.8	186	1
16	25	2.2	197	1
17	29	1.7	170	1
18	27	3.9	207	1
19	28	3.8	165	1
20	25	4.1	220	0
21	26	4.4	152	1
22	29	1.6	153	1
23	23	2.7	216	1
24	26	4.5	160	1
25	26	1.9	206	1
26	25	4.7	218	1
27	27	1.7	222	1
28	28	1.7	151	1
29	24	2.7	163	0
30	23	2.2	190	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	16	8.9	490	1
2	17	6.7	370	1
3	16	6.6	265	1
4	17	10.0	258	1
5	17	9.8	260	0
6	16	9.7	475	1
7	18	8.9	265	1
8	17	8.1	390	1
9	18	9.3	454	1
10	18	9.8	300	1
11	16	6.3	402	1
12	17	8.7	496	1
13	18	6.2	458	1
14	17	7.8	232	1
15	18	6.0	318	1
16	17	6.3	236	1
17	18	6.0	435	1
18	18	9.9	329	1
19	18	7.8	493	0
20	16	6.8	397	1
21	17	9.3	456	1
22	18	8.4	279	1
23	16	6.0	460	1
24	18	8.7	326	1
25	17	7.5	240	1
26	16	7.1	234	1
27	17	8.4	434	1
28	18	6.9	290	0
29	18	9.1	221	0
30	18	6.3	500	1
Detection Percentage: 86.7 % (>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	13	13.2	496	1
2	12	16.0	290	0
3	16	13.2	244	1
4	16	17.2	261	0
5	12	15.5	239	1
6	15	12.9	241	1
7	14	12.4	202	1
8	14	11.1	210	1
9	15	15.2	490	1
10	15	13.5	376	1
11	12	13.1	241	1
12	15	15.2	342	1
13	16	14.2	232	1
14	12	17.7	479	1
15	13	12.4	208	1
16	15	14.6	262	1
17	15	14.9	227	1
18	16	19.5	267	1
19	16	15.2	453	0
20	14	17.4	250	1
21	16	12.0	440	1
22	13	14.3	306	1
23	13	17.3	310	1
24	12	17.6	422	1
25	12	15.9	459	0
26	12	18.6	463	1
27	12	11.4	392	1
28	15	18.7	297	1
29	15	19.7	422	0
30	15	17.7	408	1
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5498.6	1
12	5497.0	1
13	5493.8	1
14	5495.4	1
15	5498.6	1
16	5494.2	1
17	5497.4	1
18	5495.0	1
19	5498.6	1
20	5495.4	1
21	5503.0	1
22	5501.4	1
23	5503.0	1
24	5506.6	1
25	5504.6	0
26	5502.6	1
27	5503.4	1
28	5501.8	1
29	5507.0	1
30	5504.6	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	96.3			0.078795	
1	2	6	80.7	1988		0.797549	
2	2	6	74.3	1383		1.328653	
3	2	6	87.0	1734		2.293195	
4	2	6	72.1	1424		2.669863	
5	2	6	55.3	1162		3.314125	
6	3	6	63.8	1022	1898	3.842219	
7	1	6	73.9			4.984163	
8	3	6	82.2	1877	1702	5.128434	
9	2	6	55.9	1756		6.100108	1
10	2	6	71.7	1078		6.918808	
11	1	6	72.2			7.540344	
12	3	6	97.4	1141	1555	7.657710	
13	2	6	60.5	1057		8.608927	
14	2	6	64.8	1486		9.181390	
15	3	6	94.0	1980	1454	9.663232	
16	2	6	82.3	1435		10.687308	
17	3	6	88.9	1486	1732	11.186353	
18	2	6	88.6	1372		11.487290	

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	14	64.6	1364		0.560785	
1	1	14	86.9			1.058334	
2	2	14	80.9	1564		1.723675	
3	2	14	83.2	1753		2.456027	
4	1	14	97.4			3.004437	
5	3	14	88.5	1529	1403	3.173427	
6	2	14	60.9	1678		4.221443	
7	1	14	99.1			4.894133	
8	1	14	80.8			5.473890	
9	3	14	90.0	1347	1126	5.892280	1
10	2	14	80.6	1936		6.938421	
11	2	14	70.5	1032		7.483587	
12	3	14	50.0	1502	1784	7.750342	
13	2	14	58.5	1119		8.562326	
14	1	14	69.3			9.284243	
15	2	14	57.2	1556		9.916493	
16	1	14	56.6			10.229557	
17	3	14	60.2	1754	1324	10.870391	
18	2	14	98.8	1948		11.857001	

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	13	72.0	1880	1008	0.492276	1
1	1	13	89.0			0.888852	
2	2	13	61.5	1131		1.405902	
3	1	13	61.9			2.245212	
4	2	13	74.0	1335		2.448039	
5	3	13	59.8	1069	1809	3.381729	
6	3	13	60.2	1009	1329	3.860331	
7	1	13	81.3			4.640163	
8	2	13	87.2	1801		5.045386	
9	1	13	61.6			5.513939	
10	3	13	75.6	1295	1517	6.416728	
11	3	13	61.3	1076	1643	6.846272	
12	2	13	89.0	1366		7.636346	
13	3	13	52.6	1952	1667	8.175455	
14	3	13	60.9	1930	1089	8.545892	
15	2	13	93.4	1218		9.044307	
16	1	13	66.5			9.653075	
17	1	13	61.4			10.442876	
18	2	13	91.7	1361		11.154288	
19	1	13	88.5			11.943546	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	71.7	1757		0.410427	1
1	3	14	88.6	1120	1193	1.435581	
2	3	14	67.9	1011	1215	1.808594	
3	3	14	58.7	1230	1080	2.865893	
4	1	14	75.6			3.581013	
5	2	14	93.6	1078		4.731141	
6	3	14	94.2	1511	1562	5.717666	
7	3	14	72.2	1949	1561	6.304127	
8	2	14	95.6	1716		6.915610	
9	3	14	65.8	1650	1496	8.073816	
10	1	14	90.1			8.977542	
11	1	14	77.0			9.847703	
12	2	14	91.9	1721		10.602879	
13	2	14	76.5	1503		11.940364	

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	11	76.0	1072	1569	0.449328	1
1	2	11	61.9	1987		1.645555	
2	1	11	61.7			2.303478	
3	1	11	86.4			3.649194	
4	2	11	78.2	1129		5.090421	
5	3	11	68.3	1028	1199	6.015558	
6	1	11	73.8			7.506241	
7	1	11	97.3			8.083437	
8	2	11	85.7	1054		8.860570	
9	2	11	74.7	1428		10.496346	
10	2	11	79.9	1903		11.505949	

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	5	64.8	1344		0.773435	1
1	2	5	65.0	1326		1.352759	
2	2	5	88.0	1319		1.815098	
3	2	5	69.0	1564		3.003885	
4	1	5	93.7			3.935096	
5	2	5	87.3	1087		4.581293	
6	3	5	93.6	1263	1086	5.727421	
7	2	5	72.0	1859		6.138256	
8	2	5	67.5	1763		7.608086	
9	3	5	98.3	1900	1867	7.997773	
10	2	5	88.2	1300		9.048079	
11	3	5	89.8	1337	1656	10.156704	
12	2	5	58.9	1687		10.690540	
13	1	5	74.7			11.541145	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	86.4	1689		0.090166	
1	3	9	95.9	1175	1236	0.934740	
2	2	9	71.3	1567		1.645044	
3	2	9	82.2	1822		2.800998	
4	1	9	72.1			3.066223	
5	1	9	77.5			4.090116	
6	1	9	71.3			4.545894	
7	3	9	68.2	1660	1286	5.529498	
8	1	9	52.3			5.716845	1
9	1	9	97.0			6.572509	
10	2	9	78.3	1211		7.383935	
11	3	9	50.2	1185	1933	7.895651	
12	2	9	94.7	1225		9.137701	
13	2	9	92.4	1372		9.746692	
14	3	9	87.7	1424	1899	9.981630	
15	3	9	58.6	1945	1770	10.888343	
16	2	9	72.5	1162		11.512021	

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	8	81.2	1803		0.732654	
1	2	8	95.7	1085		1.266997	
2	3	8	61.8	1744	1875	2.290190	
3	1	8	77.3			3.031866	
4	1	8	98.6			4.290032	
5	1	8	92.7			5.437829	
6	1	8	88.0			5.576843	1
7	2	8	51.6	1559		7.320249	
8	1	8	63.7			7.909494	
9	2	8	90.0	1513		9.200719	
10	1	8	98.7			9.667985	
11	2	8	68.0	1157		10.295363	
12	2	8	57.3	1117		11.557219	

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	9	75.8	1322	1921	1.054357	1
1	3	9	53.7	1162	1448	1.769892	
2	2	9	64.4	1202		3.808399	
3	3	9	93.0	1054	1948	5.048033	
4	3	9	91.9	1757	1825	6.481589	
5	2	9	98.5	1221		8.135198	
6	2	9	60.6	1292		10.000906	
7	1	9	66.0			11.814500	

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	13	57.8			0.670156	1
1	2	13	69.8	1700		1.820766	
2	3	13	95.7	1936	1419	2.372975	
3	3	13	70.6	1601	1682	3.650096	
4	3	13	90.2	1009	1268	4.420923	
5	2	13	58.6	1948		5.237538	
6	3	13	68.2	1765	1270	6.182733	
7	3	13	55.0	1431	1096	6.972678	
8	3	13	75.1	1615	1203	8.281583	
9	2	13	85.3	1620		8.381514	
10	2	13	63.4	1283		9.870484	
11	1	13	91.4			10.320325	
12	2	13	88.3	1920		11.537777	

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	77.7			0.074150	
1	3	19	96.1	1511	1117	1.700017	
2	1	19	70.7			1.960141	
3	2	19	97.9	1686		3.354993	
4	2	19	71.5	1231		4.063225	
5	2	19	60.1	1601		4.863797	
6	3	19	74.0	1672	1508	5.655229	1
7	2	19	82.3	1532		6.959646	
8	3	19	77.4	1137	1126	8.243906	
9	2	19	87.5	1633		9.175289	
10	1	19	72.7			10.124464	
11	3	19	85.8	1045	1530	10.663455	
12	1	19	53.8			11.554080	

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	56.5			0.789791	
1	2	15	56.6	1679		0.997129	
2	1	15	81.2			2.716144	
3	2	15	69.0	1873		2.770634	
4	2	15	63.5	1845		3.918481	
5	3	15	53.8	1054	1073	5.004932	
6	1	15	95.0			5.647059	1
7	2	15	84.3	1880		7.321835	
8	2	15	72.1	1477		7.831267	
9	2	15	89.3	1045		8.990063	
10	2	15	90.2	1674		9.746073	
11	2	15	69.1	1905		10.257946	
12	1	15	84.3			11.451393	

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	7	61.5			0.656542	1
1	2	7	55.4	1996		1.176674	
2	3	7	93.0	1906	1113	2.241954	
3	3	7	77.6	1440	1554	3.420029	
4	2	7	56.1	1100		4.205767	
5	3	7	93.6	1697	1159	4.757336	
6	3	7	92.2	1354	1850	5.608061	
7	2	7	99.2	1491		6.504679	
8	1	7	55.0			7.614534	
9	2	7	93.8	1063		8.108263	
10	2	7	65.9	1340		8.873122	
11	3	7	72.9	1317	1685	10.260708	
12	2	7	96.6	1102		10.377339	
13	2	7	73.6	1232		11.916127	

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	64.9	1322		0.184328	1
1	2	11	61.7	1260		1.333244	
2	2	11	77.3	1316		2.426856	
3	1	11	63.1			2.696495	
4	1	11	92.5			3.854237	
5	2	11	61.0	1586		4.757150	
6	2	11	50.8	1782		5.896618	
7	2	11	55.0	1376		6.138985	
8	1	11	58.2			7.221598	
9	1	11	76.5			7.934816	
10	2	11	95.8	1378		8.580772	
11	3	11	85.8	1905	1923	9.970840	
12	2	11	76.6	1130		10.635461	
13	3	11	67.8	1124	1852	11.345221	

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	19	95.0	1375		0.202255	1
1	1	19	76.7			0.612150	
2	2	19	82.1	1909		1.437727	
3	2	19	76.9	1611		2.351588	
4	2	19	85.4	1413		2.817834	
5	2	19	63.7	1865		3.226357	
6	1	19	62.9			3.769034	
7	3	19	78.8	1633	1836	4.475481	
8	2	19	94.1	1261		5.101957	
9	2	19	59.8	1127		5.861260	
10	2	19	67.7	1198		6.542189	
11	2	19	99.9	1373		6.890347	
12	1	19	73.5			7.777109	
13	3	19	57.1	1827	1168	7.819407	
14	2	19	63.0	1678		8.684252	
15	3	19	60.1	1000	1330	9.231772	
16	1	19	78.9			10.162561	
17	2	19	62.3	1846		10.228719	
18	1	19	70.4			11.203867	
19	1	19	88.6			11.524092	

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	8	66.4	1605	1482	0.581930	
1	2	8	70.2	1471		1.036515	
2	2	8	82.1	1758		1.882994	
3	3	8	58.2	1560	1395	3.131850	
4	1	8	58.1			3.654227	
5	2	8	63.7	1701		4.234899	
6	3	8	89.0	1312	1110	5.357008	
7	1	8	73.4			6.158538	1
8	3	8	60.5	1092	1720	6.973233	
9	1	8	63.7			7.702289	
10	1	8	51.1			8.074856	
11	1	8	50.9			9.200570	
12	2	8	87.0	1649		9.730494	
13	2	8	53.8	1636		11.109060	
14	2	8	87.4	1706		11.842345	

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	16	92.4	1026	1424	0.753205	
1	2	16	78.0	1492		1.838036	
2	2	16	76.8	1274		2.733613	
3	2	16	69.6	1245		3.303419	
4	1	16	65.1			5.228359	
5	1	16	80.5			6.326915	1
6	2	16	69.1	1266		7.350300	
7	3	16	75.7	1723	1783	7.733271	
8	1	16	85.0			8.847685	
9	2	16	94.7	1975		10.847194	
10	2	16	76.4	1262		11.714737	

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	10	68.7	1295	1165	0.589900	1
1	2	10	90.6	1899		1.574002	
2	3	10	53.4	1710	1921	2.375278	
3	2	10	60.8	1119		3.808987	
4	2	10	87.4	1409		4.812177	
5	2	10	86.7	1441		5.858612	
6	3	10	50.8	1702	1143	7.629592	
7	2	10	63.1	1507		8.308215	
8	2	10	66.1	1518		9.510674	
9	1	10	72.8			10.666581	
10	3	10	56.3	1977	1029	11.840889	

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	87.3	1181		0.512639	1
1	2	19	83.8	1758		0.918365	
2	3	19	92.0	1473	1809	1.846056	
3	2	19	78.1	1114		2.575278	
4	3	19	97.0	1303	1312	4.102746	
5	3	19	83.7	1545	1062	4.344442	
6	3	19	89.3	1086	1047	5.464472	
7	2	19	84.8	1228		6.028017	
8	1	19	74.4			7.413824	
9	1	19	68.1			7.886188	
10	1	19	88.7			8.869499	
11	2	19	98.5	1153		9.695359	
12	2	19	54.7	1195		10.897228	
13	2	19	63.8	1230		11.212841	

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	63.3	1200		0.615297	1
1	3	11	88.6	1814	1049	1.552208	
2	2	11	51.8	1113		1.952670	
3	2	11	83.1	1089		3.267270	
4	2	11	50.9	1874		3.979086	
5	2	11	60.8	1772		4.439962	
6	3	11	90.0	1842	1963	5.777308	
7	2	11	62.7	1962		6.446185	
8	1	11	75.0			7.556392	
9	2	11	63.4	1178		8.164971	
10	3	11	78.2	1849	1120	8.689976	
11	2	11	89.2	1239		9.524817	
12	1	11	75.4			10.670766	
13	2	11	60.7	1741		11.195098	

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	55.2	1547		0.540982	1
1	3	15	86.3	1061	1548	0.995873	
2	3	15	85.6	1730	1134	2.325230	
3	1	15	59.0			2.528915	
4	1	15	50.2			3.699721	
5	2	15	73.7	1206		4.224522	
6	2	15	92.8	1990		5.485972	
7	2	15	66.3	1296		6.237124	
8	3	15	98.5	1104	1141	7.117691	
9	2	15	79.6	1213		7.747953	
10	3	15	84.1	1244	1002	8.345839	
11	2	15	89.7	1164		9.351902	
12	3	15	54.5	1089	1549	9.939396	
13	2	15	84.9	1801		10.658596	
14	2	15	77.2	1674		11.807027	

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	19	50.5			0.611264	1
1	2	19	97.6	1015		1.261339	
2	1	19	71.5			1.704580	
3	3	19	70.4	1244	1475	2.173352	
4	2	19	93.9	1697		2.715903	
5	2	19	63.3	1178		3.526677	
6	2	19	75.9	1225		4.117948	
7	2	19	56.9	1786		5.197589	
8	3	19	94.2	1266	1377	5.889295	
9	1	19	81.7			6.200172	
10	3	19	99.7	1486	1053	7.001049	
11	2	19	62.9	1622		7.410926	
12	2	19	52.9	1659		8.620527	
13	2	19	50.9	1011		9.037427	
14	1	19	73.7			9.874621	
15	3	19	94.2	1027	1590	10.387726	
16	2	19	70.2	1327		11.179987	
17	2	19	61.2	1435		11.711702	

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	15	81.7			0.547421	1
1	2	15	76.4	1297		1.415915	
2	3	15	81.5	1413	1869	2.748916	
3	3	15	84.7	1849	1631	2.780826	
4	3	15	80.8	1783	1010	4.144206	
5	2	15	69.4	1509		4.968477	
6	1	15	77.0			5.917416	
7	3	15	97.1	1295	1335	6.654809	
8	2	15	61.0	1313		8.248126	
9	3	15	80.5	1240	1090	8.751699	
10	1	15	75.3			9.727039	
11	1	15	78.1			10.539335	
12	2	15	84.7	1356		11.335829	

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	6	50.3			0.571063	1
1	3	6	91.5	1546	1919	1.011707	
2	2	6	85.2	1442		1.456935	
3	3	6	72.4	1136	1612	2.326588	
4	2	6	81.1	1572		2.582053	
5	1	6	55.2			3.346979	
6	3	6	76.4	1823	1357	4.176042	
7	2	6	85.2	1865		4.995055	
8	3	6	55.6	1300	1551	5.357279	
9	3	6	79.0	1662	1459	6.219812	
10	2	6	54.3	1143		6.714600	
11	2	6	83.0	1856		7.378790	
12	3	6	51.7	1035	1684	8.187173	
13	2	6	87.2	1449		8.414865	
14	1	6	55.2			9.100451	
15	1	6	63.6			9.501367	
16	3	6	76.9	1070	1627	10.353632	
17	2	6	71.1	1401		11.075115	
18	2	6	54.2	1296		11.518998	

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	95.0	1558		1.317996	0
1	1	11	94.0			1.914285	
2	2	11	92.6	1595		3.063551	
3	3	11	69.1	1431	1835	4.871521	
4	1	11	67.3			6.265121	
5	2	11	54.6	1458		7.573268	
6	3	11	59.0	1496	1060	9.162880	
7	2	11	61.4	1943		9.476769	
8	3	11	87.7	1047	1627	11.171305	

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	16	54.1	1480		0.605294	1
1	3	16	74.6	1522	1877	1.240879	
2	3	16	91.3	1653	1215	2.484345	
3	2	16	65.6	1692		3.205116	
4	2	16	90.6	1977		3.630979	
5	2	16	64.8	1321		4.931028	
6	2	16	85.4	1233		5.914877	
7	2	16	95.6	1054		6.617098	
8	1	16	89.6			7.287582	
9	1	16	65.0			7.761307	
10	1	16	86.0			9.222078	
11	1	16	63.3			10.184512	
12	3	16	70.9	1389	1569	10.516649	
13	2	16	89.9	1598		11.153078	

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	53.0	1979		0.258357	1
1	2	14	84.2	1654		1.570206	
2	3	14	80.0	1007	1065	1.796750	
3	3	14	74.0	1275	1591	2.433882	
4	1	14	96.3			3.826926	
5	2	14	69.1	1463		4.565290	
6	2	14	81.6	1188		5.183813	
7	2	14	64.1	1463		6.202345	
8	3	14	95.8	1534	1575	6.626569	
9	3	14	65.6	1992	1487	7.402873	
10	2	14	51.3	1454		8.709162	
11	2	14	67.1	1079		8.926024	
12	3	14	56.9	1053	1545	10.249974	
13	1	14	55.8			10.559719	
14	2	14	72.8	1021		11.672562	

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	61.4	1512		0.903771	1
1	1	18	68.0			2.489502	
2	3	18	69.2	1298	1578	3.923324	
3	1	18	92.1			5.259266	
4	2	18	55.2	1868		6.297633	
5	2	18	98.0	1830		7.710592	
6	2	18	96.5	1243		9.753136	
7	2	18	54.0	1287		10.800203	

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	5	64.9	1964	1952	0.801648	1
1	1	5	94.9			1.364256	
2	2	5	67.9	1797		2.644252	
3	3	5	89.7	1423	1179	3.954651	
4	3	5	72.8	1183	1612	4.787289	
5	2	5	56.4	1522		5.516916	
6	3	5	83.8	1506	1982	7.230336	
7	2	5	66.6	1506		8.448325	
8	3	5	58.7	1209	1161	8.761783	
9	2	5	81.3	1903		10.026528	
10	2	5	85.1	1850		11.291606	

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	11	55.6	1478	1903	0.247399	
1	2	11	67.9	1843		1.178585	
2	3	11	97.0	1396	1209	1.782222	
3	3	11	86.2	1979	1385	2.606803	
4	1	11	94.5			3.361423	
5	1	11	87.7			3.853290	
6	3	11	80.2	1005	1715	4.368547	
7	2	11	66.4	1519		5.164881	
8	2	11	78.8	1722		6.319497	1
9	3	11	70.3	1465	1259	6.855264	
10	1	11	65.7			7.620016	
11	2	11	94.1	1803		7.863342	
12	1	11	55.8			8.891703	
13	3	11	81.5	1830	1754	9.233422	
14	2	11	84.3	1670		10.019463	
15	1	11	95.7			10.637869	
16	2	11	87.6	1372		11.311364	

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	5643.0, 5508.0, 5686.0, 5498.0, 5525.0, 5409.0, 5262.0, 5624.0, 5667.0, 5499.0, 5640.0, 5315.0, 5719.0, 5530.0, 5371.0, 5566.0, 5717.0, 5511.0, 5338.0, 5539.0, 5599.0, 5657.0, 5341.0, 5506.0, 5356.0, 5413.0, 5298.0, 5325.0, 5290.0, 5387.0, 5696.0, 5662.0, 5650.0, 5273.0, 5711.0, 5311.0, 5609.0, 5569.0, 5465.0, 5316.0, 5691.0, 5484.0, 5666.0, 5602.0, 5472.0, 5253.0, 5451.0, 5541.0, 5617.0, 5590.0, 5461.0, 5287.0, 5665.0, 5320.0, 5297.0, 5669.0, 5305.0, 5527.0, 5670.0, 5442.0, 5441.0, 5268.0, 5672.0, 5420.0, 5655.0, 5612.0, 5638.0, 5367.0, 5681.0, 5364.0, 5701.0, 5393.0, 5512.0, 5331.0, 5656.0, 5473.0, 5266.0, 5699.0, 5605.0, 5402.0, 5267.0, 5466.0, 5520.0, 5663.0, 5318.0, 5292.0, 5278.0, 5437.0, 5692.0, 5428.0, 5687.0, 5477.0, 5722.0, 5552.0, 5417.0, 5280.0, 5586.0, 5421.0, 5346.0, 5302.0 (number of hits: 4)
2	5500.0	9	1.0	333	1	5398.0, 5611.0, 5554.0, 5303.0, 5388.0, 5362.0, 5268.0, 5351.0, 5369.0, 5358.0, 5376.0, 5342.0, 5375.0, 5645.0, 5594.0, 5668.0, 5533.0, 5262.0, 5673.0, 5662.0, 5704.0, 5443.0, 5430.0, 5690.0, 5516.0, 5605.0, 5544.0, 5531.0, 5561.0, 5444.0, 5334.0, 5607.0, 5593.0, 5600.0, 5711.0, 5413.0, 5418.0, 5692.0, 5653.0, 5680.0, 5697.0, 5626.0, 5422.0, 5684.0, 5409.0, 5395.0, 5708.0, 5713.0, 5495.0, 5597.0, 5579.0, 5433.0, 5471.0, 5438.0, 5571.0, 5278.0, 5298.0, 5687.0, 5266.0, 5519.0, 5573.0, 5639.0, 5532.0, 5568.0, 5371.0, 5315.0, 5526.0, 5622.0, 5412.0, 5494.0, 5286.0, 5574.0, 5570.0, 5329.0, 5336.0, 5483.0, 5468.0, 5665.0, 5609.0, 5478.0, 5683.0, 5297.0, 5343.0, 5400.0, 5480.0, 5630.0, 5260.0, 5557.0, 5633.0, 5627.0, 5558.0, 5548.0, 5619.0, 5603.0, 5304.0, 5445.0, 5520.0, 5411.0, 5283.0, 5631.0 (number of hits: 2)
3	5500.0	9	1.0	333	1	5628.0, 5540.0, 5320.0, 5451.0, 5381.0, 5486.0, 5502.0, 5269.0, 5550.0, 5519.0, 5365.0, 5282.0, 5443.0, 5690.0, 5518.0, 5283.0, 5573.0, 5659.0, 5360.0, 5470.0, 5389.0, 5326.0, 5434.0, 5373.0, 5584.0, 5476.0, 5276.0, 5481.0, 5547.0, 5686.0, 5599.0, 5667.0, 5472.0, 5424.0, 5549.0, 5610.0, 5345.0, 5419.0, 5440.0, 5609.0, 5254.0, 5606.0, 5463.0, 5561.0, 5430.0, 5645.0, 5705.0, 5396.0, 5295.0, 5414.0, 5663.0, 5399.0, 5467.0, 5709.0, 5546.0, 5545.0, 5334.0, 5537.0, 5342.0, 5264.0, 5306.0, 5613.0, 5406.0, 5431.0, 5509.0, 5520.0, 5646.0, 5555.0, 5341.0, 5684.0,

						5471.0, 5352.0, 5700.0, 5623.0, 5423.0, 5608.0, 5403.0, 5416.0, 5333.0, 5673.0, 5640.0, 5266.0, 5289.0, 5261.0, 5438.0, 5514.0, 5711.0, 5541.0, 5503.0, 5322.0, 5250.0, 5651.0, 5351.0, 5410.0, 5495.0, 5375.0, 5678.0, 5692.0, 5644.0, 5349.0 (number of hits: 3)
4	5500.0	9	1.0	333	1	5459.0, 5370.0, 5592.0, 5632.0, 5336.0, 5298.0, 5395.0, 5625.0, 5576.0, 5305.0, 5590.0, 5302.0, 5519.0, 5707.0, 5623.0, 5421.0, 5467.0, 5272.0, 5269.0, 5359.0, 5566.0, 5438.0, 5446.0, 5317.0, 5449.0, 5474.0, 5677.0, 5352.0, 5479.0, 5695.0, 5691.0, 5673.0, 5437.0, 5487.0, 5523.0, 5584.0, 5686.0, 5658.0, 5436.0, 5500.0, 5333.0, 5319.0, 5675.0, 5360.0, 5708.0, 5697.0, 5264.0, 5258.0, 5620.0, 5392.0, 5375.0, 5357.0, 5355.0, 5688.0, 5473.0, 5538.0, 5670.0, 5311.0, 5308.0, 5508.0, 5349.0, 5612.0, 5580.0, 5318.0, 5412.0, 5475.0, 5565.0, 5485.0, 5477.0, 5277.0, 5637.0, 5251.0, 5543.0, 5366.0, 5511.0, 5715.0, 5388.0, 5403.0, 5699.0, 5494.0, 5561.0, 5482.0, 5265.0, 5574.0, 5586.0, 5495.0, 5600.0, 5583.0, 5579.0, 5404.0, 5582.0, 5706.0, 5340.0, 5484.0, 5397.0, 5550.0, 5256.0, 5634.0, 5496.0, 5616.0 (number of hits: 5)
5	5500.0	9	1.0	333	1	5587.0, 5358.0, 5453.0, 5595.0, 5279.0, 5705.0, 5684.0, 5392.0, 5703.0, 5314.0, 5581.0, 5519.0, 5327.0, 5404.0, 5623.0, 5361.0, 5406.0, 5501.0, 5560.0, 5567.0, 5364.0, 5630.0, 5643.0, 5524.0, 5293.0, 5260.0, 5287.0, 5674.0, 5427.0, 5638.0, 5592.0, 5372.0, 5413.0, 5706.0, 5390.0, 5296.0, 5522.0, 5624.0, 5339.0, 5354.0, 5517.0, 5407.0, 5689.0, 5495.0, 5659.0, 5374.0, 5671.0, 5702.0, 5363.0, 5711.0, 5373.0, 5552.0, 5389.0, 5300.0, 5357.0, 5639.0, 5353.0, 5700.0, 5454.0, 5365.0, 5720.0, 5609.0, 5512.0, 5586.0, 5408.0, 5673.0, 5584.0, 5714.0, 5722.0, 5318.0, 5506.0, 5565.0, 5594.0, 5619.0, 5277.0, 5322.0, 5591.0, 5532.0, 5432.0, 5445.0, 5554.0, 5622.0, 5302.0, 5688.0, 5538.0, 5371.0, 5324.0, 5440.0, 5307.0, 5366.0, 5286.0, 5649.0, 5600.0, 5402.0, 5570.0, 5528.0, 5344.0, 5562.0, 5694.0, 5348.0 (number of hits: 3)
6	5500.0	9	1.0	333	1	5464.0, 5674.0, 5652.0, 5570.0, 5616.0, 5713.0, 5682.0, 5601.0, 5509.0, 5354.0, 5455.0, 5359.0, 5349.0, 5567.0, 5717.0, 5346.0, 5315.0, 5564.0, 5430.0, 5403.0, 5318.0, 5710.0, 5629.0, 5508.0, 5331.0, 5254.0, 5561.0, 5619.0, 5526.0, 5661.0, 5672.0, 5394.0, 5484.0, 5323.0, 5276.0, 5536.0, 5440.0, 5597.0, 5265.0, 5647.0, 5317.0, 5380.0, 5606.0, 5321.0, 5715.0, 5257.0, 5571.0, 5612.0, 5366.0, 5522.0, 5389.0, 5688.0, 5694.0, 5495.0, 5425.0, 5673.0, 5307.0, 5302.0, 5275.0, 5373.0,

						5623.0, 5364.0, 5393.0, 5332.0, 5355.0, 5443.0, 5602.0, 5677.0, 5643.0, 5423.0, 5700.0, 5719.0, 5635.0, 5271.0, 5325.0, 5300.0, 5503.0, 5692.0, 5651.0, 5669.0, 5329.0, 5348.0, 5640.0, 5532.0, 5468.0, 5451.0, 5711.0, 5559.0, 5523.0, 5339.0, 5502.0, 5289.0, 5511.0, 5485.0, 5605.0, 5397.0, 5584.0, 5656.0, 5269.0, 5432.0 (number of hits: 4)
7	5500.0	9	1.0	333	0	
8	5500.0	9	1.0	333	1	5661.0, 5438.0, 5684.0, 5467.0, 5476.0, 5501.0, 5680.0, 5411.0, 5568.0, 5415.0, 5463.0, 5635.0, 5706.0, 5340.0, 5598.0, 5405.0, 5317.0, 5408.0, 5606.0, 5402.0, 5722.0, 5254.0, 5283.0, 5547.0, 5392.0, 5498.0, 5324.0, 5704.0, 5269.0, 5256.0, 5410.0, 5325.0, 5696.0, 5584.0, 5519.0, 5718.0, 5257.0, 5572.0, 5673.0, 5390.0, 5502.0, 5579.0, 5421.0, 5627.0, 5723.0, 5344.0, 5280.0, 5427.0, 5370.0, 5632.0, 5553.0, 5364.0, 5505.0, 5525.0, 5711.0, 5384.0, 5720.0, 5561.0, 5437.0, 5322.0, 5522.0, 5457.0, 5614.0, 5294.0, 5352.0, 5500.0, 5385.0, 5339.0, 5503.0, 5319.0, 5372.0, 5469.0, 5654.0, 5641.0, 5611.0, 5642.0, 5509.0, 5645.0, 5629.0, 5558.0, 5271.0, 5348.0, 5273.0, 5300.0, 5401.0, 5717.0, 5308.0, 5331.0, 5354.0, 5639.0, 5398.0, 5675.0, 5581.0, 5657.0, 5441.0, 5293.0, 5585.0, 5672.0, 5464.0, 5583.0 (number of hits: 6)
9	5500.0	9	1.0	333	1	5351.0, 5612.0, 5324.0, 5657.0, 5251.0, 5411.0, 5721.0, 5696.0, 5256.0, 5403.0, 5695.0, 5508.0, 5461.0, 5476.0, 5529.0, 5291.0, 5450.0, 5697.0, 5689.0, 5683.0, 5646.0, 5610.0, 5481.0, 5714.0, 5665.0, 5270.0, 5478.0, 5339.0, 5490.0, 5524.0, 5263.0, 5400.0, 5262.0, 5530.0, 5652.0, 5312.0, 5700.0, 5643.0, 5255.0, 5293.0, 5556.0, 5663.0, 5489.0, 5613.0, 5286.0, 5485.0, 5252.0, 5547.0, 5441.0, 5642.0, 5675.0, 5511.0, 5623.0, 5479.0, 5535.0, 5715.0, 5387.0, 5603.0, 5391.0, 5523.0, 5467.0, 5306.0, 5316.0, 5595.0, 5314.0, 5592.0, 5668.0, 5509.0, 5457.0, 5704.0, 5430.0, 5687.0, 5584.0, 5516.0, 5357.0, 5717.0, 5703.0, 5358.0, 5532.0, 5625.0, 5462.0, 5308.0, 5677.0, 5355.0, 5685.0, 5296.0, 5278.0, 5407.0, 5622.0, 5267.0, 5636.0, 5274.0, 5541.0, 5711.0, 5334.0, 5503.0, 5326.0, 5301.0, 5555.0, 5382.0 (number of hits: 2)
10	5500.0	9	1.0	333	1	5491.0, 5293.0, 5533.0, 5631.0, 5634.0, 5587.0, 5496.0, 5610.0, 5307.0, 5637.0, 5449.0, 5490.0, 5321.0, 5405.0, 5485.0, 5360.0, 5269.0, 5640.0, 5560.0, 5561.0, 5516.0, 5272.0, 5253.0, 5584.0, 5264.0, 5259.0, 5258.0, 5331.0, 5644.0, 5618.0, 5271.0, 5513.0, 5506.0, 5406.0, 5593.0, 5367.0, 5397.0, 5579.0, 5541.0, 5464.0, 5635.0, 5701.0, 5451.0, 5668.0, 5568.0,

						5590.0, 5486.0, 5655.0, 5687.0, 5696.0, 5599.0, 5396.0, 5354.0, 5302.0, 5385.0, 5363.0, 5625.0, 5285.0, 5685.0, 5600.0, 5382.0, 5534.0, 5722.0, 5459.0, 5691.0, 5682.0, 5361.0, 5652.0, 5559.0, 5381.0, 5520.0, 5627.0, 5403.0, 5595.0, 5569.0, 5658.0, 5312.0, 5702.0, 5724.0, 5657.0, 5371.0, 5429.0, 5620.0, 5455.0, 5402.0, 5368.0, 5314.0, 5574.0, 5551.0, 5608.0, 5617.0, 5299.0, 5528.0, 5411.0, 5703.0, 5546.0, 5519.0, 5273.0, 5547.0, 5594.0 (number of hits: 3)
11	5500.0	9	1.0	333	1	5571.0, 5376.0, 5709.0, 5397.0, 5381.0, 5315.0, 5613.0, 5664.0, 5634.0, 5387.0, 5568.0, 5305.0, 5466.0, 5653.0, 5258.0, 5667.0, 5647.0, 5279.0, 5473.0, 5412.0, 5276.0, 5539.0, 5706.0, 5588.0, 5288.0, 5545.0, 5462.0, 5650.0, 5256.0, 5627.0, 5587.0, 5433.0, 5253.0, 5350.0, 5416.0, 5681.0, 5413.0, 5453.0, 5437.0, 5396.0, 5548.0, 5626.0, 5371.0, 5263.0, 5690.0, 5564.0, 5657.0, 5332.0, 5383.0, 5380.0, 5448.0, 5636.0, 5404.0, 5682.0, 5292.0, 5695.0, 5267.0, 5503.0, 5640.0, 5552.0, 5344.0, 5265.0, 5572.0, 5490.0, 5583.0, 5566.0, 5534.0, 5686.0, 5363.0, 5575.0, 5285.0, 5557.0, 5434.0, 5595.0, 5679.0, 5554.0, 5699.0, 5560.0, 5362.0, 5678.0, 5318.0, 5447.0, 5663.0, 5348.0, 5355.0, 5633.0, 5384.0, 5475.0, 5474.0, 5516.0, 5527.0, 5325.0, 5339.0, 5359.0, 5522.0, 5624.0, 5449.0, 5570.0, 5346.0, 5581.0 (number of hits: 1)
12	5500.0	9	1.0	333	1	5695.0, 5514.0, 5449.0, 5255.0, 5373.0, 5307.0, 5713.0, 5336.0, 5694.0, 5484.0, 5638.0, 5475.0, 5440.0, 5609.0, 5598.0, 5692.0, 5285.0, 5477.0, 5281.0, 5342.0, 5503.0, 5305.0, 5445.0, 5253.0, 5382.0, 5571.0, 5323.0, 5347.0, 5277.0, 5607.0, 5284.0, 5443.0, 5500.0, 5350.0, 5298.0, 5459.0, 5333.0, 5578.0, 5574.0, 5292.0, 5685.0, 5526.0, 5723.0, 5592.0, 5705.0, 5308.0, 5545.0, 5293.0, 5268.0, 5676.0, 5696.0, 5529.0, 5501.0, 5569.0, 5551.0, 5304.0, 5423.0, 5669.0, 5376.0, 5480.0, 5339.0, 5396.0, 5606.0, 5678.0, 5290.0, 5511.0, 5621.0, 5485.0, 5646.0, 5532.0, 5409.0, 5408.0, 5330.0, 5650.0, 5597.0, 5622.0, 5575.0, 5666.0, 5431.0, 5555.0, 5709.0, 5673.0, 5645.0, 5419.0, 5320.0, 5434.0, 5587.0, 5400.0, 5536.0, 5407.0, 5714.0, 5299.0, 5358.0, 5369.0, 5681.0, 5649.0, 5353.0, 5603.0, 5610.0, 5509.0 (number of hits: 3)
13	5500.0	9	1.0	333	1	5713.0, 5394.0, 5480.0, 5407.0, 5333.0, 5606.0, 5614.0, 5575.0, 5596.0, 5357.0, 5493.0, 5372.0, 5473.0, 5665.0, 5465.0, 5670.0, 5554.0, 5279.0, 5645.0, 5427.0, 5643.0, 5592.0, 5416.0, 5534.0, 5443.0, 5621.0, 5370.0, 5517.0, 5435.0, 5585.0, 5275.0, 5557.0, 5515.0, 5566.0, 5368.0,

						5350.0, 5507.0, 5654.0, 5295.0, 5306.0, 5516.0, 5562.0, 5390.0, 5512.0, 5475.0, 5410.0, 5481.0, 5637.0, 5494.0, 5277.0, 5505.0, 5278.0, 5430.0, 5588.0, 5335.0, 5618.0, 5723.0, 5346.0, 5362.0, 5288.0, 5337.0, 5673.0, 5300.0, 5305.0, 5270.0, 5609.0, 5624.0, 5500.0, 5601.0, 5442.0, 5441.0, 5464.0, 5483.0, 5325.0, 5422.0, 5404.0, 5640.0, 5705.0, 5477.0, 5339.0, 5378.0, 5251.0, 5539.0, 5688.0, 5485.0, 5392.0, 5577.0, 5338.0, 5542.0, 5681.0, 5567.0, 5348.0, 5345.0, 5593.0, 5561.0, 5377.0, 5693.0, 5546.0, 5533.0, 5310.0 (number of hits: 5)
14	5500.0	9	1.0	333	1	5588.0, 5405.0, 5270.0, 5500.0, 5586.0, 5650.0, 5334.0, 5265.0, 5720.0, 5469.0, 5610.0, 5380.0, 5433.0, 5288.0, 5633.0, 5354.0, 5331.0, 5292.0, 5585.0, 5453.0, 5498.0, 5373.0, 5333.0, 5701.0, 5607.0, 5656.0, 5352.0, 5404.0, 5536.0, 5409.0, 5583.0, 5679.0, 5674.0, 5492.0, 5297.0, 5374.0, 5719.0, 5397.0, 5648.0, 5252.0, 5662.0, 5430.0, 5398.0, 5556.0, 5431.0, 5665.0, 5346.0, 5385.0, 5370.0, 5564.0, 5401.0, 5424.0, 5324.0, 5698.0, 5682.0, 5445.0, 5299.0, 5455.0, 5631.0, 5700.0, 5639.0, 5566.0, 5377.0, 5393.0, 5273.0, 5692.0, 5418.0, 5584.0, 5571.0, 5415.0, 5360.0, 5551.0, 5532.0, 5537.0, 5558.0, 5349.0, 5478.0, 5396.0, 5315.0, 5277.0, 5302.0, 5365.0, 5697.0, 5442.0, 5567.0, 5678.0, 5357.0, 5264.0, 5470.0, 5262.0, 5630.0, 5266.0, 5546.0, 5472.0, 5590.0, 5582.0, 5263.0, 5362.0, 5402.0, 5260.0 (number of hits: 3)
15	5500.0	9	1.0	333	1	5566.0, 5378.0, 5662.0, 5285.0, 5605.0, 5345.0, 5297.0, 5617.0, 5360.0, 5659.0, 5477.0, 5278.0, 5610.0, 5684.0, 5638.0, 5487.0, 5261.0, 5629.0, 5415.0, 5724.0, 5270.0, 5291.0, 5569.0, 5462.0, 5343.0, 5430.0, 5274.0, 5406.0, 5290.0, 5453.0, 5580.0, 5592.0, 5608.0, 5424.0, 5254.0, 5329.0, 5434.0, 5258.0, 5674.0, 5486.0, 5534.0, 5263.0, 5573.0, 5650.0, 5377.0, 5449.0, 5675.0, 5413.0, 5313.0, 5438.0, 5289.0, 5568.0, 5455.0, 5425.0, 5613.0, 5703.0, 5305.0, 5612.0, 5294.0, 5545.0, 5719.0, 5372.0, 5542.0, 5492.0, 5391.0, 5433.0, 5253.0, 5301.0, 5347.0, 5686.0, 5660.0, 5484.0, 5344.0, 5282.0, 5467.0, 5571.0, 5637.0, 5295.0, 5317.0, 5500.0, 5389.0, 5559.0, 5419.0, 5713.0, 5411.0, 5353.0, 5555.0, 5649.0, 5445.0, 5642.0, 5400.0, 5259.0, 5641.0, 5272.0, 5328.0, 5516.0, 5626.0, 5661.0, 5654.0, 5322.0 (number of hits: 2)
16	5500.0	9	1.0	333	1	5252.0, 5698.0, 5684.0, 5640.0, 5405.0, 5615.0, 5462.0, 5539.0, 5519.0, 5629.0, 5320.0, 5678.0, 5448.0, 5385.0, 5500.0, 5612.0, 5642.0, 5300.0, 5718.0, 5389.0, 5711.0, 5576.0, 5493.0, 5675.0, 5694.0,

						5621.0, 5699.0, 5319.0, 5529.0, 5701.0, 5373.0, 5658.0, 5431.0, 5398.0, 5374.0, 5395.0, 5455.0, 5646.0, 5648.0, 5365.0, 5476.0, 5421.0, 5403.0, 5507.0, 5639.0, 5467.0, 5565.0, 5339.0, 5267.0, 5384.0, 5707.0, 5583.0, 5596.0, 5647.0, 5722.0, 5314.0, 5627.0, 5712.0, 5458.0, 5338.0, 5521.0, 5589.0, 5582.0, 5561.0, 5511.0, 5417.0, 5278.0, 5635.0, 5415.0, 5352.0, 5291.0, 5367.0, 5524.0, 5318.0, 5537.0, 5498.0, 5567.0, 5354.0, 5483.0, 5302.0, 5437.0, 5341.0, 5607.0, 5449.0, 5440.0, 5299.0, 5297.0, 5720.0, 5436.0, 5337.0, 5546.0, 5643.0, 5391.0, 5357.0, 5587.0, 5548.0, 5468.0, 5324.0, 5285.0, 5309.0 (number of hits: 4)
17	5500.0	9	1.0	333	1	5352.0, 5286.0, 5380.0, 5454.0, 5295.0, 5599.0, 5714.0, 5498.0, 5678.0, 5497.0, 5407.0, 5338.0, 5522.0, 5415.0, 5667.0, 5511.0, 5566.0, 5490.0, 5604.0, 5342.0, 5607.0, 5376.0, 5684.0, 5546.0, 5503.0, 5470.0, 5624.0, 5625.0, 5361.0, 5702.0, 5710.0, 5435.0, 5392.0, 5523.0, 5359.0, 5396.0, 5496.0, 5512.0, 5713.0, 5609.0, 5638.0, 5363.0, 5653.0, 5469.0, 5340.0, 5543.0, 5411.0, 5639.0, 5403.0, 5429.0, 5482.0, 5481.0, 5463.0, 5622.0, 5475.0, 5568.0, 5590.0, 5711.0, 5250.0, 5620.0, 5433.0, 5281.0, 5594.0, 5621.0, 5632.0, 5262.0, 5390.0, 5494.0, 5289.0, 5506.0, 5259.0, 5276.0, 5631.0, 5339.0, 5617.0, 5424.0, 5257.0, 5479.0, 5301.0, 5688.0, 5686.0, 5513.0, 5306.0, 5552.0, 5534.0, 5312.0, 5658.0, 5272.0, 5690.0, 5357.0, 5280.0, 5655.0, 5564.0, 5427.0, 5344.0, 5397.0, 5531.0, 5440.0, 5539.0, 5370.0 (number of hits: 6)
18	5500.0	9	1.0	333	1	5295.0, 5506.0, 5559.0, 5322.0, 5523.0, 5270.0, 5403.0, 5323.0, 5437.0, 5316.0, 5589.0, 5590.0, 5358.0, 5472.0, 5250.0, 5587.0, 5618.0, 5407.0, 5582.0, 5364.0, 5331.0, 5332.0, 5722.0, 5465.0, 5318.0, 5345.0, 5492.0, 5519.0, 5426.0, 5253.0, 5689.0, 5287.0, 5439.0, 5257.0, 5399.0, 5718.0, 5652.0, 5273.0, 5438.0, 5312.0, 5664.0, 5527.0, 5277.0, 5432.0, 5642.0, 5540.0, 5541.0, 5614.0, 5484.0, 5354.0, 5658.0, 5477.0, 5514.0, 5377.0, 5394.0, 5613.0, 5258.0, 5593.0, 5500.0, 5361.0, 5267.0, 5342.0, 5251.0, 5690.0, 5679.0, 5488.0, 5554.0, 5350.0, 5544.0, 5373.0, 5606.0, 5597.0, 5420.0, 5710.0, 5588.0, 5633.0, 5369.0, 5574.0, 5683.0, 5299.0, 5300.0, 5496.0, 5620.0, 5595.0, 5581.0, 5520.0, 5414.0, 5655.0, 5419.0, 5491.0, 5505.0, 5698.0, 5712.0, 5293.0, 5489.0, 5543.0, 5275.0, 5461.0, 5534.0, 5591.0 (number of hits: 6)
19	5500.0	9	1.0	333	1	5552.0, 5384.0, 5546.0, 5708.0, 5563.0, 5439.0, 5594.0, 5378.0, 5390.0, 5592.0, 5554.0, 5322.0, 5450.0, 5336.0, 5555.0,

						5451.0, 5663.0, 5639.0, 5347.0, 5452.0, 5560.0, 5653.0, 5534.0, 5695.0, 5602.0, 5528.0, 5564.0, 5332.0, 5664.0, 5645.0, 5678.0, 5497.0, 5530.0, 5250.0, 5576.0, 5661.0, 5652.0, 5453.0, 5287.0, 5543.0, 5570.0, 5312.0, 5579.0, 5466.0, 5666.0, 5429.0, 5365.0, 5369.0, 5385.0, 5457.0, 5257.0, 5494.0, 5341.0, 5533.0, 5561.0, 5676.0, 5411.0, 5355.0, 5474.0, 5671.0, 5582.0, 5447.0, 5511.0, 5445.0, 5704.0, 5294.0, 5371.0, 5699.0, 5646.0, 5531.0, 5393.0, 5277.0, 5705.0, 5274.0, 5419.0, 5462.0, 5544.0, 5464.0, 5463.0, 5472.0, 5276.0, 5651.0, 5299.0, 5448.0, 5436.0, 5321.0, 5267.0, 5575.0, 5302.0, 5686.0, 5437.0, 5669.0, 5444.0, 5285.0, 5515.0, 5503.0, 5253.0, 5588.0, 5612.0, 5496.0 (number of hits: 4)
20	5500.0	9	1.0	333	1	5510.0, 5361.0, 5381.0, 5290.0, 5302.0, 5297.0, 5365.0, 5435.0, 5274.0, 5667.0, 5492.0, 5428.0, 5620.0, 5319.0, 5347.0, 5452.0, 5476.0, 5382.0, 5416.0, 5569.0, 5465.0, 5289.0, 5484.0, 5270.0, 5654.0, 5363.0, 5335.0, 5551.0, 5321.0, 5294.0, 5540.0, 5538.0, 5565.0, 5410.0, 5346.0, 5638.0, 5329.0, 5304.0, 5301.0, 5560.0, 5313.0, 5388.0, 5622.0, 5665.0, 5497.0, 5467.0, 5699.0, 5395.0, 5472.0, 5386.0, 5698.0, 5659.0, 5432.0, 5342.0, 5530.0, 5374.0, 5555.0, 5718.0, 5431.0, 5552.0, 5577.0, 5400.0, 5616.0, 5508.0, 5275.0, 5688.0, 5283.0, 5358.0, 5666.0, 5260.0, 5513.0, 5471.0, 5592.0, 5692.0, 5715.0, 5404.0, 5469.0, 5348.0, 5340.0, 5550.0, 5549.0, 5470.0, 5443.0, 5481.0, 5532.0, 5605.0, 5617.0, 5375.0, 5437.0, 5314.0, 5512.0, 5376.0, 5449.0, 5612.0, 5679.0, 5582.0, 5583.0, 5629.0, 5447.0, 5495.0 (number of hits: 4)
21	5500.0	9	1.0	333	1	5376.0, 5713.0, 5284.0, 5589.0, 5256.0, 5513.0, 5620.0, 5692.0, 5460.0, 5599.0, 5535.0, 5258.0, 5436.0, 5582.0, 5441.0, 5314.0, 5579.0, 5345.0, 5451.0, 5601.0, 5354.0, 5630.0, 5349.0, 5483.0, 5720.0, 5723.0, 5297.0, 5406.0, 5663.0, 5347.0, 5578.0, 5361.0, 5548.0, 5586.0, 5476.0, 5686.0, 5461.0, 5435.0, 5481.0, 5427.0, 5419.0, 5593.0, 5493.0, 5495.0, 5360.0, 5556.0, 5591.0, 5372.0, 5690.0, 5363.0, 5431.0, 5583.0, 5397.0, 5331.0, 5675.0, 5497.0, 5411.0, 5641.0, 5398.0, 5489.0, 5368.0, 5639.0, 5457.0, 5486.0, 5576.0, 5453.0, 5573.0, 5711.0, 5467.0, 5650.0, 5554.0, 5707.0, 5590.0, 5523.0, 5506.0, 5414.0, 5531.0, 5350.0, 5407.0, 5722.0, 5272.0, 5710.0, 5393.0, 5392.0, 5357.0, 5321.0, 5538.0, 5319.0, 5420.0, 5635.0, 5605.0, 5313.0, 5306.0, 5348.0, 5362.0, 5429.0, 5277.0, 5450.0, 5501.0, 5452.0 (number of hits: 5)
22	5500.0	9	1.0	333	1	5685.0, 5441.0, 5576.0, 5597.0, 5538.0,

						5437.0, 5550.0, 5483.0, 5632.0, 5338.0, 5591.0, 5515.0, 5584.0, 5721.0, 5510.0, 5296.0, 5350.0, 5384.0, 5488.0, 5402.0, 5605.0, 5698.0, 5327.0, 5319.0, 5399.0, 5616.0, 5639.0, 5356.0, 5606.0, 5620.0, 5337.0, 5690.0, 5410.0, 5466.0, 5662.0, 5364.0, 5585.0, 5336.0, 5287.0, 5598.0, 5392.0, 5434.0, 5669.0, 5252.0, 5340.0, 5486.0, 5275.0, 5500.0, 5309.0, 5634.0, 5388.0, 5717.0, 5330.0, 5628.0, 5279.0, 5519.0, 5376.0, 5663.0, 5354.0, 5641.0, 5348.0, 5372.0, 5574.0, 5640.0, 5484.0, 5293.0, 5586.0, 5650.0, 5282.0, 5331.0, 5562.0, 5522.0, 5633.0, 5681.0, 5256.0, 5405.0, 5722.0, 5368.0, 5695.0, 5694.0, 5518.0, 5329.0, 5671.0, 5317.0, 5506.0, 5560.0, 5556.0, 5595.0, 5582.0, 5489.0, 5443.0, 5579.0, 5481.0, 5699.0, 5404.0, 5395.0, 5310.0, 5371.0, 5259.0, 5298.0 (number of hits: 2)
23	5500.0	9	1.0	333	1	5503.0, 5422.0, 5272.0, 5684.0, 5416.0, 5460.0, 5710.0, 5592.0, 5364.0, 5296.0, 5501.0, 5577.0, 5682.0, 5336.0, 5339.0, 5397.0, 5314.0, 5690.0, 5361.0, 5554.0, 5693.0, 5486.0, 5465.0, 5567.0, 5645.0, 5494.0, 5458.0, 5663.0, 5647.0, 5580.0, 5411.0, 5524.0, 5510.0, 5648.0, 5719.0, 5581.0, 5609.0, 5406.0, 5542.0, 5456.0, 5483.0, 5368.0, 5318.0, 5301.0, 5357.0, 5497.0, 5436.0, 5332.0, 5428.0, 5540.0, 5353.0, 5505.0, 5636.0, 5626.0, 5269.0, 5512.0, 5260.0, 5266.0, 5433.0, 5303.0, 5476.0, 5467.0, 5610.0, 5255.0, 5556.0, 5375.0, 5444.0, 5391.0, 5468.0, 5623.0, 5277.0, 5306.0, 5447.0, 5620.0, 5649.0, 5452.0, 5274.0, 5715.0, 5689.0, 5275.0, 5534.0, 5356.0, 5535.0, 5607.0, 5437.0, 5445.0, 5496.0, 5321.0, 5561.0, 5707.0, 5585.0, 5654.0, 5492.0, 5685.0, 5292.0, 5273.0, 5570.0, 5549.0, 5582.0, 5398.0 (number of hits: 7)
24	5500.0	9	1.0	333	1	5494.0, 5607.0, 5677.0, 5680.0, 5678.0, 5651.0, 5597.0, 5474.0, 5367.0, 5642.0, 5527.0, 5372.0, 5431.0, 5402.0, 5504.0, 5484.0, 5532.0, 5617.0, 5429.0, 5528.0, 5455.0, 5531.0, 5379.0, 5556.0, 5420.0, 5514.0, 5418.0, 5679.0, 5578.0, 5653.0, 5676.0, 5355.0, 5286.0, 5585.0, 5443.0, 5659.0, 5465.0, 5486.0, 5473.0, 5630.0, 5697.0, 5314.0, 5464.0, 5636.0, 5475.0, 5310.0, 5351.0, 5561.0, 5612.0, 5602.0, 5631.0, 5640.0, 5681.0, 5713.0, 5710.0, 5454.0, 5645.0, 5601.0, 5363.0, 5300.0, 5258.0, 5649.0, 5603.0, 5701.0, 5336.0, 5554.0, 5391.0, 5568.0, 5673.0, 5547.0, 5502.0, 5375.0, 5666.0, 5491.0, 5643.0, 5481.0, 5590.0, 5698.0, 5266.0, 5582.0, 5520.0, 5692.0, 5663.0, 5656.0, 5584.0, 5308.0, 5385.0, 5553.0, 5648.0, 5684.0, 5723.0, 5490.0, 5388.0, 5409.0, 5342.0, 5521.0, 5571.0, 5364.0, 5251.0, 5693.0

						(number of hits: 4)
25	5500.0	9	1.0	333	1	5277.0, 5468.0, 5529.0, 5314.0, 5254.0, 5426.0, 5397.0, 5416.0, 5302.0, 5582.0, 5457.0, 5298.0, 5689.0, 5353.0, 5294.0, 5265.0, 5445.0, 5251.0, 5711.0, 5696.0, 5359.0, 5660.0, 5500.0, 5585.0, 5488.0, 5721.0, 5489.0, 5390.0, 5274.0, 5452.0, 5684.0, 5481.0, 5565.0, 5369.0, 5257.0, 5405.0, 5709.0, 5293.0, 5328.0, 5471.0, 5422.0, 5266.0, 5665.0, 5348.0, 5375.0, 5524.0, 5320.0, 5384.0, 5432.0, 5687.0, 5667.0, 5342.0, 5597.0, 5564.0, 5690.0, 5272.0, 5588.0, 5344.0, 5567.0, 5535.0, 5592.0, 5707.0, 5600.0, 5679.0, 5657.0, 5472.0, 5531.0, 5307.0, 5593.0, 5334.0, 5666.0, 5627.0, 5704.0, 5629.0, 5446.0, 5608.0, 5380.0, 5340.0, 5698.0, 5695.0, 5532.0, 5573.0, 5519.0, 5577.0, 5336.0, 5394.0, 5612.0, 5596.0, 5295.0, 5268.0, 5412.0, 5492.0, 5549.0, 5601.0, 5586.0, 5638.0, 5332.0, 5319.0, 5681.0, 5396.0 (number of hits: 2)
26	5500.0	9	1.0	333	1	5536.0, 5464.0, 5648.0, 5303.0, 5531.0, 5255.0, 5566.0, 5501.0, 5429.0, 5440.0, 5681.0, 5402.0, 5301.0, 5546.0, 5493.0, 5446.0, 5568.0, 5669.0, 5508.0, 5703.0, 5357.0, 5625.0, 5277.0, 5273.0, 5291.0, 5547.0, 5551.0, 5258.0, 5594.0, 5331.0, 5373.0, 5683.0, 5639.0, 5520.0, 5307.0, 5314.0, 5456.0, 5465.0, 5517.0, 5614.0, 5421.0, 5722.0, 5290.0, 5281.0, 5397.0, 5604.0, 5697.0, 5540.0, 5549.0, 5700.0, 5522.0, 5380.0, 5646.0, 5486.0, 5696.0, 5612.0, 5466.0, 5418.0, 5613.0, 5527.0, 5715.0, 5485.0, 5260.0, 5257.0, 5487.0, 5684.0, 5349.0, 5450.0, 5482.0, 5514.0, 5351.0, 5283.0, 5448.0, 5412.0, 5269.0, 5310.0, 5557.0, 5288.0, 5640.0, 5585.0, 5718.0, 5635.0, 5401.0, 5434.0, 5705.0, 5477.0, 5714.0, 5542.0, 5478.0, 5577.0, 5655.0, 5529.0, 5605.0, 5524.0, 5439.0, 5693.0, 5433.0, 5636.0, 5320.0, 5672.0 (number of hits: 3)
27	5500.0	9	1.0	333	1	5641.0, 5592.0, 5299.0, 5598.0, 5362.0, 5616.0, 5547.0, 5687.0, 5569.0, 5430.0, 5473.0, 5658.0, 5509.0, 5349.0, 5530.0, 5327.0, 5322.0, 5704.0, 5648.0, 5348.0, 5498.0, 5574.0, 5422.0, 5380.0, 5706.0, 5526.0, 5399.0, 5668.0, 5396.0, 5695.0, 5470.0, 5515.0, 5462.0, 5660.0, 5652.0, 5655.0, 5270.0, 5683.0, 5711.0, 5682.0, 5597.0, 5621.0, 5267.0, 5631.0, 5634.0, 5403.0, 5386.0, 5387.0, 5623.0, 5285.0, 5629.0, 5439.0, 5397.0, 5340.0, 5400.0, 5702.0, 5525.0, 5697.0, 5346.0, 5606.0, 5467.0, 5594.0, 5638.0, 5355.0, 5618.0, 5484.0, 5476.0, 5275.0, 5646.0, 5324.0, 5642.0, 5580.0, 5494.0, 5389.0, 5664.0, 5265.0, 5371.0, 5252.0, 5292.0, 5259.0, 5572.0, 5570.0, 5458.0, 5700.0, 5293.0, 5433.0, 5257.0, 5677.0, 5636.0, 5417.0,

						5622.0, 5632.0, 5581.0, 5511.0, 5382.0, 5499.0, 5398.0, 5449.0, 5443.0, 5441.0 (number of hits: 3)
28	5500.0	9	1.0	333	1	5508.0, 5353.0, 5493.0, 5298.0, 5634.0, 5679.0, 5392.0, 5551.0, 5594.0, 5289.0, 5581.0, 5626.0, 5564.0, 5628.0, 5510.0, 5361.0, 5434.0, 5546.0, 5374.0, 5352.0, 5705.0, 5486.0, 5281.0, 5365.0, 5467.0, 5283.0, 5723.0, 5703.0, 5563.0, 5310.0, 5461.0, 5371.0, 5664.0, 5601.0, 5557.0, 5315.0, 5402.0, 5311.0, 5476.0, 5444.0, 5617.0, 5506.0, 5284.0, 5368.0, 5414.0, 5487.0, 5697.0, 5431.0, 5459.0, 5689.0, 5645.0, 5635.0, 5378.0, 5325.0, 5653.0, 5437.0, 5538.0, 5453.0, 5491.0, 5704.0, 5685.0, 5438.0, 5625.0, 5584.0, 5424.0, 5714.0, 5706.0, 5636.0, 5286.0, 5336.0, 5278.0, 5339.0, 5571.0, 5359.0, 5257.0, 5562.0, 5347.0, 5614.0, 5337.0, 5417.0, 5317.0, 5657.0, 5541.0, 5591.0, 5360.0, 5532.0, 5659.0, 5579.0, 5708.0, 5577.0, 5608.0, 5603.0, 5451.0, 5404.0, 5575.0, 5342.0, 5553.0, 5450.0, 5720.0, 5382.0 (number of hits: 4)
29	5500.0	9	1.0	333	1	5262.0, 5396.0, 5629.0, 5289.0, 5269.0, 5596.0, 5427.0, 5508.0, 5588.0, 5280.0, 5425.0, 5520.0, 5362.0, 5484.0, 5364.0, 5719.0, 5308.0, 5297.0, 5333.0, 5527.0, 5448.0, 5452.0, 5270.0, 5422.0, 5268.0, 5347.0, 5543.0, 5317.0, 5454.0, 5617.0, 5372.0, 5345.0, 5376.0, 5250.0, 5569.0, 5446.0, 5383.0, 5570.0, 5421.0, 5531.0, 5716.0, 5429.0, 5615.0, 5381.0, 5711.0, 5700.0, 5618.0, 5363.0, 5549.0, 5648.0, 5334.0, 5533.0, 5552.0, 5342.0, 5260.0, 5647.0, 5603.0, 5583.0, 5373.0, 5488.0, 5575.0, 5658.0, 5635.0, 5267.0, 5721.0, 5385.0, 5563.0, 5592.0, 5413.0, 5655.0, 5559.0, 5529.0, 5538.0, 5560.0, 5539.0, 5391.0, 5670.0, 5284.0, 5379.0, 5321.0, 5310.0, 5479.0, 5331.0, 5405.0, 5299.0, 5644.0, 5608.0, 5616.0, 5295.0, 5500.0, 5699.0, 5482.0, 5600.0, 5685.0, 5532.0, 5423.0, 5601.0, 5715.0, 5375.0, 5551.0 (number of hits: 2)
30	5500.0	9	1.0	333	1	5615.0, 5291.0, 5654.0, 5258.0, 5681.0, 5281.0, 5313.0, 5597.0, 5283.0, 5437.0, 5362.0, 5385.0, 5306.0, 5713.0, 5607.0, 5601.0, 5410.0, 5271.0, 5421.0, 5394.0, 5504.0, 5715.0, 5425.0, 5389.0, 5336.0, 5569.0, 5387.0, 5322.0, 5297.0, 5668.0, 5424.0, 5498.0, 5604.0, 5655.0, 5672.0, 5290.0, 5551.0, 5722.0, 5477.0, 5479.0, 5546.0, 5423.0, 5344.0, 5687.0, 5294.0, 5721.0, 5268.0, 5263.0, 5714.0, 5484.0, 5412.0, 5367.0, 5688.0, 5335.0, 5596.0, 5588.0, 5428.0, 5312.0, 5474.0, 5333.0, 5711.0, 5602.0, 5680.0, 5295.0, 5697.0, 5574.0, 5445.0, 5671.0, 5402.0, 5577.0, 5341.0, 5317.0, 5501.0, 5396.0, 5431.0, 5347.0, 5638.0, 5366.0, 5626.0, 5485.0,

						5605.0, 5594.0, 5406.0, 5599.0, 5570.0, 5493.0, 5514.0, 5280.0, 5475.0, 5444.0, 5645.0, 5325.0, 5709.0, 5641.0, 5331.0, 5647.0, 5422.0, 5651.0, 5717.0, 5374.0 (number of hits: 4)

Client Mode
Cobalt 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	90 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	87.5 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	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	83	1.0	638	1
2	67	1.0	798	1
3	89	1.0	598	1
4	61	1.0	878	1
5	72	1.0	738	1
6	76	1.0	698	1
7	102	1.0	518	1
8	62	1.0	858	1
9	65	1.0	818	1
10	68	1.0	778	1
11	92	1.0	578	1
12	95	1.0	558	1
13	57	1.0	938	1
14	58	1.0	918	1
15	70	1.0	758	1
1	38	1.0	1404	1
2	18	1.0	2965	1
3	22	1.0	2418	0
4	22	1.0	2454	0
5	48	1.0	1122	1
6	25	1.0	2185	1
7	52	1.0	1023	1
8	34	1.0	1574	1
9	21	1.0	2635	1
10	31	1.0	1754	1
11	21	1.0	2610	1
12	47	1.0	1144	1
13	44	1.0	1200	1
14	19	1.0	2915	1
15	26	1.0	2106	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	2.7	161	1
2	29	2.5	152	1
3	29	2.3	200	0
4	24	2.8	153	1
5	27	4.7	195	1
6	23	3.8	210	1
7	26	4.1	154	1
8	25	3.4	191	0
9	27	1.5	169	1
10	24	4.8	211	1
11	26	3.8	181	1
12	23	3.6	174	1
13	23	1.8	162	1
14	26	4.2	222	1
15	24	2.2	202	0
16	24	3.8	165	1
17	29	2.2	153	1
18	29	4.7	179	1
19	29	4.8	214	1
20	24	3.9	172	1
21	28	3.1	198	1
22	29	1.5	205	1
23	27	2.2	218	1
24	25	4.1	174	1
25	25	3.6	211	1
26	27	2.1	217	1
27	26	4.1	182	1
28	25	2.1	230	1
29	23	2.9	179	1
30	23	2.9	172	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	18	7.3	409	1
2	17	9.1	213	1
3	17	6.7	301	1
4	16	8.5	476	1
5	17	9.1	308	1
6	18	6.4	254	1
7	18	8.9	264	0
8	16	6.9	469	1
9	18	7.0	353	1
10	17	6.9	367	1
11	18	8.9	450	1
12	16	6.9	364	1
13	18	6.9	500	1
14	18	7.3	454	1
15	18	9.7	382	1
16	17	6.7	295	1
17	18	8.1	207	1
18	17	9.5	257	1
19	18	7.2	290	1
20	17	8.8	458	1
21	16	10.0	477	1
22	17	7.1	249	0
23	18	7.0	231	1
24	18	8.8	484	1
25	16	9.6	307	1
26	18	6.0	479	1
27	16	8.0	433	1
28	17	8.4	469	1
29	17	8.2	257	1
30	16	8.9	417	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	16	13.9	485	1
2	15	17.0	245	1
3	14	18.4	227	1
4	16	11.8	312	1
5	15	19.7	211	1
6	15	17.9	409	1
7	16	14.5	368	1
8	13	12.5	323	1
9	12	11.9	338	1
10	12	12.0	473	1
11	15	19.2	393	1
12	15	19.5	289	1
13	12	19.5	286	1
14	15	12.3	277	1
15	14	18.7	479	1
16	14	12.9	392	1
17	16	14.8	434	1
18	12	17.2	203	1
19	16	14.4	395	1
20	16	15.2	409	1
21	16	15.0	482	1
22	16	15.4	282	1
23	15	17.0	307	1
24	12	15.6	358	1
25	16	16.5	377	0
26	16	15.9	489	1
27	13	18.9	406	1
28	15	14.1	375	1
29	16	17.6	480	1
30	14	13.6	283	1
Detection Percentage: 96.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5496.3	1
12	5493.9	1
13	5498.3	1
14	5499.5	1
15	5498.7	1
16	5497.1	1
17	5497.1	1
18	5496.7	1
19	5499.1	1
20	5499.5	1
21	5525.3	1
22	5522.9	1
23	5520.9	1
24	5521.7	1
25	5521.7	1
26	5521.3	1
27	5524.9	1
28	5522.1	1
29	5523.3	1
30	5523.3	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	2	15	52.5	1575		0.374525	1
1	3	15	57.3	1489	1941	1.404672	
2	1	15	73.6			1.961996	
3	3	15	75.5	1616	1783	2.431506	
4	2	15	58.9	1733		3.074368	
5	1	15	59.8			4.378381	
6	3	15	70.3	1816	1656	4.966252	
7	2	15	64.5	1421		5.876218	
8	2	15	91.5	1224		6.622414	
9	2	15	93.8	1243		7.468055	
10	2	15	66.9	1722		7.863205	
11	2	15	97.3	1288		8.467899	
12	2	15	64.4	1184		9.406371	
13	2	15	54.9	1919		10.198780	
14	3	15	51.2	1352	1612	10.735616	
15	2	15	91.9	1688		11.896361	

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	8	95.5	1753	1413	0.575006	1
1	1	8	85.4			0.887282	
2	2	8	53.0	1182		1.701108	
3	2	8	72.2	1844		2.699608	
4	2	8	57.0	1131		3.181712	
5	1	8	75.3			4.321433	
6	2	8	67.5	1900		4.812805	
7	1	8	57.2			5.660027	
8	3	8	68.7	1683	1393	6.325240	
9	3	8	94.2	1547	1231	6.979165	
10	3	8	67.3	1397	1970	8.003157	
11	2	8	61.4	1335		8.773639	
12	1	8	96.5			9.410809	
13	2	8	95.3	1312		10.230334	
14	2	8	93.9	1518		10.982600	
15	2	8	74.3	1895		11.883264	

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	6	62.2			0.228969	1
1	2	6	99.0	1131		2.635458	
2	1	6	62.9			3.416246	
3	1	6	62.6			5.052955	
4	1	6	90.8			7.068500	
5	1	6	69.2			7.790745	
6	1	6	96.4			9.343382	
7	2	6	86.2	1439		11.062494	

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	12	55.8	1399	1710	0.552768	1
1	2	12	69.8	1711		1.108096	
2	1	12	76.8			1.695561	
3	2	12	72.8	1838		2.029702	
4	1	12	58.3			2.441020	
5	2	12	80.3	1334		3.428323	
6	3	12	70.1	1041	1091	4.182777	
7	3	12	64.9	1528	1881	4.783589	
8	2	12	91.7	1294		5.169690	
9	1	12	87.2			5.768341	
10	3	12	77.7	1949	1927	6.185374	
11	2	12	63.7	1134		6.687737	
12	2	12	97.8	1205		7.453932	
13	2	12	80.1	1341		7.939716	
14	2	12	87.0	1328		8.462723	
15	2	12	66.2	1021		9.202828	
16	2	12	94.7	1812		10.094563	
17	2	12	87.1	1049		10.614711	
18	2	12	78.1	1591		11.287579	
19	2	12	52.9	1660		11.928072	

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	15	89.4	1905		0.411026	1
1	1	15	97.9			1.533188	
2	1	15	77.1			2.558790	
3	3	15	80.1	1492	1772	2.975029	
4	1	15	52.8			3.813002	
5	2	15	97.7	1305		5.091282	
6	1	15	56.5			5.639693	
7	2	15	53.7	1087		6.657630	
8	2	15	54.9	1912		7.476783	
9	2	15	60.5	1756		8.099561	
10	2	15	86.6	1573		9.357254	
11	3	15	92.1	1732	1195	9.451465	
12	2	15	68.7	1975		10.678411	
13	2	15	90.3	1923		11.604093	

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	11	74.6	1292	1411	0.732924	1
1	3	11	68.3	1863	1066	1.708991	
2	3	11	74.5	1128	1755	2.650228	
3	2	11	92.2	1162		3.207181	
4	2	11	76.8	1174		3.983835	
5	1	11	90.3			4.801682	
6	3	11	61.1	1341	1295	5.542290	
7	2	11	62.9	1978		6.595274	
8	1	11	75.4			7.717933	
9	2	11	72.2	1736		8.634605	
10	2	11	86.8	1743		9.638519	
11	3	11	60.9	1782	1273	10.864875	
12	3	11	75.1	1157	1728	11.149414	

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	16	86.3	1563		0.475982	
1	1	16	92.5			0.767455	
2	2	16	74.7	1046		1.800579	
3	2	16	54.7	1109		2.255734	
4	2	16	98.2	1782		2.936662	
5	3	16	63.4	1887	1281	3.262185	
6	2	16	65.9	1746		3.868107	
7	3	16	63.8	1987	1838	4.611552	
8	2	16	96.6	1853		5.324816	
9	1	16	79.2			6.012560	1
10	3	16	62.7	1725	1270	6.351324	
11	3	16	52.6	1471	1106	7.286797	
12	1	16	56.5			8.193841	
13	2	16	62.9	1771		8.285400	
14	1	16	92.9			9.208116	
15	3	16	79.5	1062	1241	9.731153	
16	2	16	66.8	1223		10.626291	
17	2	16	75.6	1107		11.175362	
18	3	16	77.5	1658	1714	11.781737	

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	79.3	1229		0.538910	
1	3	11	53.3	1135	1641	0.772436	
2	3	11	97.5	1874	1237	2.166567	
3	3	11	81.2	1726	1745	2.443376	
4	1	11	62.2			3.211773	
5	2	11	62.1	1855		4.070295	
6	1	11	68.5			5.214639	
7	1	11	77.3			5.825808	
8	1	11	92.2			6.390205	1
9	2	11	60.6	1429		7.407120	
10	2	11	92.6	1338		7.672504	
11	1	11	79.4			8.410882	
12	2	11	96.0	1521		9.093836	
13	2	11	55.1	1425		10.129092	
14	2	11	55.3	1167		10.867206	
15	1	11	63.1			11.552434	

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	9	80.8	1624	1797	0.632468	
1	2	9	97.9	1615		1.082376	
2	1	9	86.2			2.297913	
3	2	9	63.7	1193		2.608171	
4	1	9	92.4			3.773334	
5	3	9	57.4	1201	1329	4.175931	
6	1	9	73.5			4.931893	
7	2	9	90.1	1796		6.224085	1
8	3	9	88.9	1540	1112	6.514515	
9	1	9	63.3			7.238529	
10	3	9	98.6	1934	1028	8.087759	
11	2	9	69.5	1868		8.801100	
12	3	9	53.3	1911	1139	9.945034	
13	1	9	62.2			10.803118	
14	2	9	69.7	1232		11.873908	

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	6	57.0			0.539654	
1	3	6	70.8	1711	1695	0.912940	
2	3	6	50.3	1192	1133	2.319004	
3	3	6	71.0	1082	1611	2.743342	
4	1	6	58.3			3.939399	
5	2	6	52.2	1233		4.240463	
6	3	6	80.9	1532	1515	5.202818	
7	3	6	78.9	1853	1016	5.613535	1
8	2	6	55.9	1997		6.742748	
9	2	6	53.6	1801		7.659769	
10	2	6	88.3	1972		8.189644	
11	2	6	58.1	1394		9.401175	
12	2	6	93.4	1145		9.860733	
13	2	6	94.2	1205		10.497833	
14	3	6	66.2	1553	1749	11.671512	

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	89.4	1700	1475	0.088148	
1	2	12	70.7	1912		2.254040	
2	2	12	82.9	1520		2.954021	
3	2	12	65.0	1183		4.092632	
4	3	12	89.4	1838	1849	6.293338	1
5	1	12	56.9			6.927169	
6	1	12	69.5			8.160732	
7	3	12	87.2	1911	1813	9.384450	
8	3	12	72.5	1496	1291	11.871286	

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	6	65.2			0.422662	
1	1	6	73.0			1.260527	
2	3	6	80.7	1077	1913	1.870930	
3	2	6	78.0	1083		2.898351	
4	1	6	57.5			3.386561	
5	2	6	63.8	1966		4.706259	
6	2	6	52.5	1833		4.880860	
7	2	6	81.1	1259		6.167646	1
8	2	6	98.9	1825		6.818248	
9	1	6	93.1			7.386156	
10	2	6	69.8	1446		8.257409	
11	3	6	60.1	1440	1266	9.321066	
12	3	6	93.1	1767	1982	9.652915	
13	2	6	50.2	1753		10.820874	
14	1	6	82.4			11.935875	

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	97.4	1542		0.486369	
1	3	17	81.2	1323	1943	1.179867	
2	1	17	63.7			1.868138	
3	2	17	58.4	1752		2.393228	
4	2	17	95.9	1485		2.895813	
5	1	17	59.1			3.724414	
6	3	17	83.6	1271	1819	4.140855	
7	1	17	95.9			4.729274	
8	2	17	91.5	1769		5.086989	
9	3	17	93.2	1509	1119	5.854919	1
10	1	17	98.2			6.900059	
11	3	17	69.7	1957	1655	7.178492	
12	1	17	58.6			8.013591	
13	2	17	94.5	1559		8.682228	
14	3	17	95.2	1866	1032	9.358282	
15	2	17	53.1	1883		9.801005	
16	2	17	80.5	1553		10.179322	
17	2	17	75.7	1835		11.251672	
18	2	17	50.2	1077		11.891720	

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	20	50.1	1787		1.222744	
1	1	20	52.7			1.920894	
2	1	20	74.6			3.737070	
3	2	20	68.1	1605		4.397206	
4	2	20	52.4	1227		6.630093	1
5	2	20	67.9	1530		6.980240	
6	2	20	57.3	1341		8.128664	
7	3	20	86.1	1361	1709	10.029593	
8	1	20	79.8			11.434936	

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	18	99.5	1974	1894	0.575676	
1	1	18	61.0			1.233858	
2	2	18	88.5	1333		1.798936	
3	3	18	62.9	1635	1833	2.372393	
4	3	18	80.3	1701	1976	3.005542	
5	2	18	86.0	1163		3.448808	
6	2	18	85.9	1810		4.127322	
7	3	18	58.8	1645	1746	4.980141	
8	3	18	82.1	1575	1747	5.241887	
9	1	18	99.5			6.272777	1
10	1	18	58.8			6.712450	
11	1	18	97.3			7.378091	
12	3	18	90.0	1617	1237	8.138569	
13	1	18	98.5			8.795137	
14	3	18	83.7	1050	1138	9.335525	
15	3	18	50.4	1152	1490	10.069474	
16	2	18	65.5	1575		10.640577	
17	2	18	81.3	1597		11.063855	
18	3	18	69.6	1878	1083	11.427326	

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	65.6	1637	1000	0.554667	1
1	3	14	97.3	1061	1055	0.796648	
2	1	14	84.7			1.628315	
3	1	14	99.7			2.629228	
4	2	14	97.6	1698		3.071449	
5	2	14	64.3	1109		3.544854	
6	2	14	69.5	1896		4.142927	
7	2	14	81.5	1113		4.764816	
8	1	14	59.3			5.591755	
9	1	14	65.0			6.527731	
10	2	14	58.3	1271		6.966373	
11	1	14	79.1			7.614637	
12	1	14	57.4			8.439291	
13	2	14	90.9	1807		9.273738	
14	2	14	87.0	1470		9.749348	
15	2	14	66.0	1513		10.046091	
16	2	14	77.5	1963		10.709239	
17	2	14	63.8	1214		11.621697	

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	14	82.6			0.911141	
1	2	14	71.3	1396		1.596404	
2	3	14	66.7	1811	1142	2.358933	
3	3	14	57.2	1074	1818	3.165797	
4	3	14	85.6	1537	1273	4.379680	
5	3	14	83.4	1309	1728	5.374710	
6	3	14	74.7	1645	1777	5.827408	1
7	1	14	76.0			7.058339	
8	2	14	64.9	1025		8.032786	
9	1	14	84.5			8.505430	
10	2	14	71.3	1699		10.074770	
11	3	14	70.2	1072	1701	10.254928	
12	1	14	73.8			11.394325	

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	13	98.2	1555	1364	0.439764	
1	1	13	52.9			1.179926	
2	2	13	51.5	1265		1.948943	
3	2	13	89.3	1835		2.768983	
4	1	13	89.4			3.501904	
5	3	13	75.9	1006	1552	4.042871	
6	2	13	72.1	1030		4.846728	
7	2	13	71.1	1422		5.034517	
8	2	13	59.7	1683		5.956019	1
9	3	13	97.9	1938	1902	6.676707	
10	1	13	56.6			7.709710	
11	1	13	85.8			8.178762	
12	2	13	82.0	1354		8.729421	
13	3	13	73.4	1060	1808	9.412868	
14	1	13	55.0			10.503299	
15	2	13	78.9	1171		10.812501	
16	1	13	52.2			11.514407	

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	80.5			0.691454	1
1	3	19	94.3	1572	1602	1.434457	
2	1	19	57.4			2.989263	
3	2	19	98.8	1059		4.858013	
4	1	19	88.8			6.182797	
5	2	19	78.0	1189		6.974172	
6	1	19	74.7			8.734230	
7	1	19	81.3			9.926830	
8	2	19	63.0	1405		11.480277	

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	20	73.7	1582		1.023607	1
1	3	20	99.6	1441	1728	1.394421	
2	3	20	63.3	1212	1432	2.405467	
3	2	20	73.4	1569		3.994544	
4	2	20	71.7	1385		5.411937	
5	2	20	62.9	1453		6.113061	
6	2	20	69.8	1445		8.047002	
7	2	20	57.4	1081		8.689842	
8	2	20	94.0	1437		9.679315	
9	2	20	85.4	1689		11.190728	

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	8	76.5	1749		0.253375	
1	3	8	53.2	1698	1774	0.770085	
2	1	8	57.2			1.700084	
3	2	8	90.6	1987		2.477079	
4	1	8	67.7			2.993705	
5	3	8	97.5	1497	1404	3.685840	
6	1	8	56.1			3.984961	
7	3	8	85.2	1805	1917	4.842468	
8	2	8	70.4	1653		5.503903	
9	1	8	76.0			5.817221	1
10	3	8	66.3	1336	1160	6.897508	
11	3	8	99.0	1938	1067	7.213101	
12	1	8	69.0			7.849768	
13	1	8	76.8			8.505188	
14	2	8	99.5	1500		9.411326	
15	2	8	84.0	1997		9.760680	
16	2	8	62.1	1123		10.518432	
17	2	8	99.9	1918		11.172700	
18	2	8	60.4	1332		11.566152	

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	90.6			0.254345	
1	3	14	64.3	1099	1680	1.317692	
2	3	14	64.0	1698	1492	2.992045	
3	3	14	77.8	1775	1188	3.957329	
4	2	14	76.3	1977		4.175344	
5	2	14	51.3	1423		5.708028	
6	2	14	57.0	1839		6.275006	1
7	2	14	65.6	1349		7.753276	
8	3	14	84.4	1189	1789	8.802371	
9	3	14	93.2	1458	1881	9.880687	
10	3	14	54.7	1985	1516	10.527095	
11	1	14	78.8			11.895982	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	96.4	1023		0.678981	
1	3	19	85.4	1815	1718	1.609008	
2	3	19	88.9	1737	1976	3.078414	
3	2	19	80.1	1898		3.344855	
4	2	19	58.0	1469		4.829589	
5	2	19	58.5	1714		6.161977	1
6	2	19	88.4	1639		7.388348	
7	2	19	51.8	1284		8.008685	
8	3	19	52.6	1308	1321	8.863485	
9	2	19	75.5	1060		10.080287	
10	2	19	74.0	1935		11.278567	

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	67.1	1641		0.644103	
1	1	17	62.8			1.308082	
2	1	17	58.1			1.878256	
3	2	17	98.1	1202		3.273016	
4	1	17	51.4			3.879316	
5	2	17	76.6	1756		5.299055	
6	3	17	78.0	1858	1645	6.157107	1
7	3	17	53.7	1733	1238	7.251295	
8	2	17	63.7	1930		8.113714	
9	3	17	76.1	1983	1211	8.775050	
10	2	17	55.7	1602		10.063847	
11	3	17	72.2	1493	1824	10.905270	
12	2	17	87.8	1012		11.685613	

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	17	87.4	1506		0.508559	
1	3	17	70.9	1570	1770	1.447214	
2	1	17	68.8			2.184000	
3	2	17	95.8	1026		3.432545	
4	3	17	83.5	1768	1707	4.411246	
5	1	17	60.6			4.728642	
6	3	17	73.8	1234	1430	5.730654	1
7	3	17	54.7	1646	1133	7.191261	
8	2	17	79.4	1284		7.729156	
9	3	17	78.3	1608	1129	8.763585	
10	2	17	84.7	1571		9.288441	
11	2	17	98.0	1709		10.999713	
12	2	17	58.8	1525		11.268270	

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	18	95.2	1362	1643	0.019143	
1	2	18	68.0	1533		0.980288	
2	3	18	85.9	1875	1705	1.256831	
3	1	18	67.9			2.159692	
4	1	18	75.8			2.981481	
5	1	18	63.1			3.120967	
6	2	18	96.2	1120		3.603703	
7	2	18	60.7	1757		4.211544	
8	2	18	83.2	1850		5.210939	
9	3	18	65.0	1488	1248	5.603285	
10	2	18	79.8	1949		6.548475	1
11	3	18	82.1	1658	1954	7.186403	
12	2	18	83.8	1094		7.633300	
13	2	18	59.8	1379		8.360039	
14	2	18	77.3	1695		8.401963	
15	2	18	63.8	1184		9.511187	
16	2	18	71.4	1225		9.792645	
17	1	18	65.7			10.608219	
18	3	18	88.6	1648	1191	11.388765	
19	1	18	93.6			11.538340	

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	9	65.1	1847		0.922624	1
1	1	9	62.2			1.532140	
2	3	9	90.3	1836	1192	2.725204	
3	3	9	87.3	1033	1486	3.256955	
4	2	9	75.9	1940		4.377016	
5	2	9	60.3	1519		5.972630	
6	1	9	63.4			6.531165	
7	3	9	83.9	1271	1559	7.899507	
8	2	9	63.4	1633		8.252338	
9	3	9	67.7	1261	1236	9.641894	
10	2	9	59.1	1127		10.551828	
11	2	9	57.0	1728		11.654981	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	61.3	1759		0.011856	1
1	1	16	99.7			1.352068	
2	2	16	93.7	1923		1.966563	
3	3	16	61.4	1196	1519	2.585303	
4	2	16	76.7	1115		3.439336	
5	2	16	91.5	1819		3.987471	
6	1	16	58.9			4.570358	
7	1	16	77.4			5.435162	
8	2	16	82.9	1028		5.943286	
9	3	16	70.3	1386	1826	6.441501	
10	2	16	71.7	1535		7.073444	
11	3	16	83.5	1150	1388	8.108228	
12	3	16	70.9	1433	1732	8.680536	
13	2	16	91.9	1441		9.215525	
14	2	16	89.9	1725		9.897775	
15	2	16	81.8	1539		10.886853	
16	3	16	65.7	1579	1765	11.459131	

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	54.3	1440		0.285791	1
1	2	13	90.3	1022		1.306821	
2	2	13	82.6	1523		2.443912	
3	2	13	67.2	1518		3.330349	
4	1	13	96.1			4.873969	
5	2	13	64.2	1022		5.564604	
6	3	13	84.9	1903	1627	6.063748	
7	2	13	84.0	1851		7.678004	
8	1	13	66.4			8.226860	
9	2	13	98.1	1811		9.925288	
10	2	13	80.4	1978		10.919115	
11	3	13	73.0	1333	1510	11.072519	

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	60.6	1113	1698	0.282248	1
1	1	13	90.1			0.992403	
2	2	13	87.1	1637		1.731955	
3	2	13	62.6	1447		2.732125	
4	3	13	93.7	1454	1025	3.068760	
5	2	13	62.9	1090		3.854671	
6	3	13	66.8	1688	1564	4.570412	
7	1	13	53.8			5.284003	
8	3	13	71.9	1936	1856	6.665658	
9	3	13	50.6	1988	1354	6.831779	
10	1	13	80.6			8.006854	
11	2	13	70.6	1167		8.355574	
12	2	13	65.4	1171		9.314029	
13	1	13	82.0			10.395470	
14	1	13	78.9			11.067303	
15	1	13	69.4			11.367695	

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	5397.0, 5565.0, 5434.0, 5395.0, 5541.0, 5550.0, 5554.0, 5436.0, 5274.0, 5349.0, 5699.0, 5655.0, 5345.0, 5285.0, 5721.0, 5386.0, 5457.0, 5660.0, 5426.0, 5569.0, 5459.0, 5561.0, 5575.0, 5407.0, 5442.0, 5583.0, 5314.0, 5277.0, 5542.0, 5404.0, 5394.0, 5383.0, 5430.0, 5581.0, 5368.0, 5669.0, 5509.0, 5584.0, 5632.0, 5679.0, 5689.0, 5683.0, 5696.0, 5340.0, 5639.0, 5273.0, 5496.0, 5481.0, 5296.0, 5363.0, 5636.0, 5495.0, 5562.0, 5499.0, 5600.0, 5610.0, 5695.0, 5694.0, 5412.0, 5586.0, 5661.0, 5443.0, 5293.0, 5498.0, 5260.0, 5656.0, 5447.0, 5665.0, 5458.0, 5690.0, 5334.0, 5299.0, 5348.0, 5714.0, 5288.0, 5635.0, 5526.0, 5415.0, 5711.0, 5423.0, 5484.0, 5377.0, 5698.0, 5540.0, 5444.0, 5291.0, 5641.0, 5675.0, 5281.0, 5530.0, 5563.0, 5501.0, 5351.0, 5469.0, 5392.0, 5616.0, 5435.0, 5671.0, 5672.0, 5647.0 (number of hits: 7)
2	5510.0	9	1.0	333	1	5461.0, 5677.0, 5463.0, 5391.0, 5398.0, 5308.0, 5321.0, 5715.0, 5668.0, 5436.0, 5481.0, 5579.0, 5569.0, 5282.0, 5671.0, 5665.0, 5720.0, 5634.0, 5489.0, 5536.0, 5410.0, 5645.0, 5610.0, 5707.0, 5542.0, 5341.0, 5507.0, 5632.0, 5273.0, 5304.0, 5588.0, 5695.0, 5393.0, 5301.0, 5699.0, 5605.0, 5292.0, 5637.0, 5296.0, 5642.0, 5438.0, 5495.0, 5554.0, 5622.0, 5434.0, 5302.0, 5577.0, 5717.0, 5612.0, 5624.0, 5375.0, 5378.0, 5258.0, 5286.0, 5293.0, 5350.0, 5590.0, 5517.0, 5327.0, 5389.0, 5519.0, 5565.0, 5527.0, 5427.0, 5298.0, 5365.0, 5372.0, 5553.0, 5385.0, 5452.0, 5368.0, 5623.0, 5316.0, 5416.0, 5309.0, 5294.0, 5570.0, 5313.0, 5630.0, 5260.0, 5585.0, 5408.0, 5598.0, 5501.0, 5322.0, 5714.0, 5701.0, 5524.0, 5657.0, 5454.0, 5262.0, 5614.0, 5251.0, 5277.0, 5275.0, 5440.0, 5267.0, 5392.0, 5342.0, 5525.0 (number of hits: 8)
3	5510.0	9	1.0	333	1	5553.0, 5618.0, 5685.0, 5490.0, 5336.0, 5448.0, 5371.0, 5278.0, 5435.0, 5358.0, 5709.0, 5305.0, 5360.0, 5668.0, 5614.0, 5600.0, 5619.0, 5298.0, 5643.0, 5566.0, 5683.0, 5328.0, 5338.0, 5343.0, 5478.0, 5573.0, 5608.0, 5261.0, 5596.0, 5702.0, 5617.0, 5501.0, 5434.0, 5293.0, 5466.0, 5678.0, 5627.0, 5329.0, 5610.0, 5303.0, 5279.0, 5412.0, 5421.0, 5504.0, 5335.0, 5282.0, 5540.0, 5440.0, 5307.0, 5616.0, 5465.0, 5675.0, 5253.0, 5644.0, 5509.0, 5541.0, 5396.0, 5470.0, 5386.0, 5388.0, 5459.0, 5607.0, 5379.0, 5269.0, 5259.0,

						5375.0, 5562.0, 5689.0, 5363.0, 5534.0, 5405.0, 5552.0, 5428.0, 5583.0, 5377.0, 5376.0, 5564.0, 5693.0, 5420.0, 5256.0, 5717.0, 5663.0, 5625.0, 5423.0, 5304.0, 5441.0, 5356.0, 5719.0, 5486.0, 5352.0, 5482.0, 5591.0, 5447.0, 5460.0, 5682.0, 5399.0, 5370.0, 5723.0, 5419.0, 5415.0 (number of hits: 3)
4	5510.0	9	1.0	333	1	5527.0, 5361.0, 5515.0, 5651.0, 5661.0, 5502.0, 5456.0, 5564.0, 5639.0, 5304.0, 5417.0, 5578.0, 5549.0, 5610.0, 5402.0, 5415.0, 5421.0, 5710.0, 5292.0, 5473.0, 5546.0, 5410.0, 5252.0, 5633.0, 5720.0, 5328.0, 5630.0, 5569.0, 5673.0, 5451.0, 5416.0, 5603.0, 5574.0, 5477.0, 5529.0, 5472.0, 5323.0, 5337.0, 5670.0, 5465.0, 5404.0, 5599.0, 5344.0, 5532.0, 5642.0, 5563.0, 5519.0, 5655.0, 5334.0, 5458.0, 5439.0, 5341.0, 5376.0, 5326.0, 5436.0, 5349.0, 5622.0, 5258.0, 5611.0, 5312.0, 5278.0, 5631.0, 5455.0, 5433.0, 5581.0, 5379.0, 5665.0, 5319.0, 5286.0, 5616.0, 5544.0, 5615.0, 5528.0, 5499.0, 5591.0, 5452.0, 5324.0, 5582.0, 5620.0, 5457.0, 5681.0, 5274.0, 5311.0, 5459.0, 5492.0, 5435.0, 5271.0, 5339.0, 5373.0, 5486.0, 5419.0, 5531.0, 5257.0, 5269.0, 5587.0, 5567.0, 5483.0, 5362.0, 5702.0, 5434.0 (number of hits: 6)
5	5510.0	9	1.0	333	1	5292.0, 5563.0, 5621.0, 5583.0, 5523.0, 5628.0, 5638.0, 5641.0, 5668.0, 5254.0, 5437.0, 5440.0, 5463.0, 5697.0, 5400.0, 5304.0, 5477.0, 5286.0, 5541.0, 5498.0, 5374.0, 5636.0, 5635.0, 5421.0, 5350.0, 5321.0, 5288.0, 5520.0, 5699.0, 5256.0, 5586.0, 5692.0, 5711.0, 5543.0, 5361.0, 5514.0, 5313.0, 5415.0, 5294.0, 5319.0, 5363.0, 5557.0, 5522.0, 5452.0, 5501.0, 5525.0, 5599.0, 5550.0, 5632.0, 5619.0, 5326.0, 5509.0, 5369.0, 5534.0, 5608.0, 5407.0, 5314.0, 5604.0, 5378.0, 5516.0, 5344.0, 5571.0, 5307.0, 5663.0, 5424.0, 5432.0, 5644.0, 5713.0, 5499.0, 5648.0, 5639.0, 5593.0, 5272.0, 5345.0, 5263.0, 5649.0, 5295.0, 5392.0, 5412.0, 5332.0, 5576.0, 5535.0, 5508.0, 5335.0, 5280.0, 5506.0, 5560.0, 5630.0, 5253.0, 5556.0, 5627.0, 5683.0, 5546.0, 5429.0, 5603.0, 5598.0, 5293.0, 5718.0, 5673.0, 5519.0 (number of hits: 13)
6	5510.0	9	1.0	333	1	5625.0, 5630.0, 5561.0, 5542.0, 5724.0, 5378.0, 5482.0, 5714.0, 5565.0, 5427.0, 5298.0, 5454.0, 5505.0, 5589.0, 5275.0, 5382.0, 5423.0, 5506.0, 5645.0, 5349.0, 5516.0, 5531.0, 5579.0, 5486.0, 5666.0, 5638.0, 5689.0, 5357.0, 5258.0, 5590.0, 5695.0, 5646.0, 5339.0, 5401.0, 5696.0, 5303.0, 5251.0, 5373.0, 5340.0, 5318.0, 5701.0, 5487.0, 5437.0, 5371.0, 5511.0, 5325.0, 5310.0, 5500.0, 5264.0, 5631.0, 5344.0, 5354.0, 5721.0, 5356.0, 5510.0,

						5624.0, 5301.0, 5350.0, 5521.0, 5613.0, 5254.0, 5570.0, 5442.0, 5439.0, 5548.0, 5256.0, 5379.0, 5399.0, 5387.0, 5305.0, 5409.0, 5269.0, 5522.0, 5550.0, 5380.0, 5581.0, 5271.0, 5394.0, 5405.0, 5416.0, 5497.0, 5499.0, 5285.0, 5644.0, 5314.0, 5546.0, 5632.0, 5327.0, 5336.0, 5601.0, 5459.0, 5306.0, 5290.0, 5438.0, 5406.0, 5435.0, 5524.0, 5472.0, 5353.0, 5291.0 (number of hits: 11)
7	5510.0	9	1.0	333	1	5340.0, 5701.0, 5376.0, 5302.0, 5647.0, 5610.0, 5387.0, 5290.0, 5288.0, 5635.0, 5583.0, 5436.0, 5601.0, 5579.0, 5604.0, 5606.0, 5537.0, 5501.0, 5524.0, 5352.0, 5664.0, 5525.0, 5261.0, 5700.0, 5345.0, 5592.0, 5396.0, 5263.0, 5372.0, 5362.0, 5659.0, 5473.0, 5314.0, 5319.0, 5342.0, 5690.0, 5578.0, 5497.0, 5569.0, 5683.0, 5438.0, 5483.0, 5274.0, 5403.0, 5451.0, 5660.0, 5337.0, 5515.0, 5504.0, 5431.0, 5367.0, 5329.0, 5663.0, 5415.0, 5444.0, 5719.0, 5503.0, 5366.0, 5656.0, 5456.0, 5678.0, 5404.0, 5658.0, 5637.0, 5407.0, 5555.0, 5490.0, 5294.0, 5595.0, 5643.0, 5607.0, 5566.0, 5517.0, 5551.0, 5413.0, 5548.0, 5334.0, 5642.0, 5665.0, 5611.0, 5667.0, 5381.0, 5708.0, 5612.0, 5480.0, 5577.0, 5454.0, 5633.0, 5332.0, 5351.0, 5554.0, 5576.0, 5464.0, 5341.0, 5377.0, 5623.0, 5310.0, 5297.0, 5672.0, 5389.0 (number of hits: 8)
8	5510.0	9	1.0	333	1	5529.0, 5400.0, 5657.0, 5350.0, 5390.0, 5635.0, 5482.0, 5549.0, 5444.0, 5587.0, 5277.0, 5672.0, 5666.0, 5410.0, 5399.0, 5504.0, 5420.0, 5259.0, 5344.0, 5585.0, 5319.0, 5566.0, 5389.0, 5306.0, 5286.0, 5369.0, 5489.0, 5717.0, 5649.0, 5305.0, 5454.0, 5253.0, 5332.0, 5670.0, 5374.0, 5341.0, 5606.0, 5591.0, 5426.0, 5609.0, 5502.0, 5582.0, 5545.0, 5652.0, 5321.0, 5713.0, 5642.0, 5291.0, 5526.0, 5692.0, 5594.0, 5641.0, 5378.0, 5576.0, 5544.0, 5696.0, 5711.0, 5429.0, 5640.0, 5554.0, 5537.0, 5622.0, 5279.0, 5385.0, 5579.0, 5323.0, 5266.0, 5608.0, 5465.0, 5570.0, 5423.0, 5254.0, 5684.0, 5362.0, 5586.0, 5673.0, 5500.0, 5272.0, 5311.0, 5658.0, 5601.0, 5418.0, 5402.0, 5312.0, 5461.0, 5368.0, 5542.0, 5297.0, 5602.0, 5335.0, 5328.0, 5476.0, 5252.0, 5358.0, 5505.0, 5628.0, 5590.0, 5398.0, 5486.0, 5575.0 (number of hits: 5)
9	5510.0	9	1.0	333	1	5392.0, 5254.0, 5343.0, 5322.0, 5713.0, 5522.0, 5674.0, 5383.0, 5328.0, 5263.0, 5601.0, 5595.0, 5582.0, 5325.0, 5513.0, 5345.0, 5639.0, 5451.0, 5669.0, 5301.0, 5292.0, 5536.0, 5605.0, 5285.0, 5359.0, 5706.0, 5675.0, 5408.0, 5412.0, 5723.0, 5687.0, 5532.0, 5610.0, 5526.0, 5366.0, 5459.0, 5447.0, 5376.0, 5583.0, 5432.0, 5712.0, 5385.0, 5622.0, 5620.0, 5449.0,

						5381.0, 5251.0, 5272.0, 5699.0, 5492.0, 5448.0, 5480.0, 5722.0, 5541.0, 5453.0, 5305.0, 5341.0, 5659.0, 5276.0, 5507.0, 5394.0, 5711.0, 5295.0, 5278.0, 5395.0, 5281.0, 5664.0, 5406.0, 5262.0, 5672.0, 5644.0, 5380.0, 5702.0, 5290.0, 5411.0, 5347.0, 5646.0, 5313.0, 5405.0, 5425.0, 5443.0, 5464.0, 5337.0, 5423.0, 5415.0, 5398.0, 5273.0, 5630.0, 5400.0, 5335.0, 5618.0, 5497.0, 5481.0, 5391.0, 5576.0, 5543.0, 5289.0, 5573.0, 5317.0, 5354.0 (number of hits: 6)
10	5510.0	9	1.0	333	1	5645.0, 5383.0, 5354.0, 5628.0, 5302.0, 5394.0, 5608.0, 5434.0, 5260.0, 5392.0, 5442.0, 5373.0, 5393.0, 5327.0, 5558.0, 5478.0, 5424.0, 5250.0, 5404.0, 5471.0, 5428.0, 5366.0, 5510.0, 5371.0, 5343.0, 5395.0, 5388.0, 5279.0, 5606.0, 5573.0, 5685.0, 5265.0, 5630.0, 5578.0, 5700.0, 5307.0, 5636.0, 5561.0, 5689.0, 5386.0, 5310.0, 5360.0, 5336.0, 5477.0, 5454.0, 5286.0, 5495.0, 5251.0, 5378.0, 5721.0, 5464.0, 5281.0, 5671.0, 5318.0, 5556.0, 5531.0, 5359.0, 5324.0, 5306.0, 5348.0, 5603.0, 5485.0, 5447.0, 5596.0, 5514.0, 5453.0, 5330.0, 5587.0, 5693.0, 5375.0, 5496.0, 5692.0, 5543.0, 5723.0, 5323.0, 5469.0, 5282.0, 5552.0, 5654.0, 5644.0, 5695.0, 5419.0, 5586.0, 5468.0, 5319.0, 5604.0, 5283.0, 5550.0, 5509.0, 5420.0, 5521.0, 5639.0, 5585.0, 5353.0, 5437.0, 5325.0, 5491.0, 5504.0, 5430.0, 5523.0 (number of hits: 8)
11	5510.0	9	1.0	333	1	5512.0, 5516.0, 5385.0, 5326.0, 5709.0, 5334.0, 5602.0, 5718.0, 5318.0, 5638.0, 5340.0, 5346.0, 5623.0, 5584.0, 5556.0, 5687.0, 5388.0, 5271.0, 5660.0, 5552.0, 5315.0, 5296.0, 5632.0, 5533.0, 5604.0, 5357.0, 5260.0, 5428.0, 5537.0, 5645.0, 5304.0, 5621.0, 5280.0, 5714.0, 5656.0, 5652.0, 5369.0, 5487.0, 5379.0, 5255.0, 5545.0, 5302.0, 5422.0, 5639.0, 5476.0, 5484.0, 5449.0, 5300.0, 5377.0, 5366.0, 5564.0, 5573.0, 5417.0, 5253.0, 5582.0, 5571.0, 5364.0, 5293.0, 5258.0, 5439.0, 5643.0, 5466.0, 5609.0, 5310.0, 5311.0, 5436.0, 5403.0, 5298.0, 5562.0, 5412.0, 5501.0, 5283.0, 5451.0, 5617.0, 5648.0, 5284.0, 5259.0, 5519.0, 5497.0, 5447.0, 5661.0, 5633.0, 5514.0, 5429.0, 5393.0, 5574.0, 5463.0, 5409.0, 5332.0, 5348.0, 5431.0, 5593.0, 5345.0, 5566.0, 5600.0, 5506.0, 5299.0, 5309.0, 5337.0, 5408.0 (number of hits: 7)
12	5510.0	9	1.0	333	1	5479.0, 5663.0, 5423.0, 5710.0, 5612.0, 5374.0, 5685.0, 5520.0, 5566.0, 5448.0, 5474.0, 5375.0, 5410.0, 5546.0, 5576.0, 5659.0, 5643.0, 5318.0, 5571.0, 5622.0, 5447.0, 5701.0, 5498.0, 5689.0, 5302.0, 5356.0, 5650.0, 5538.0, 5637.0, 5412.0, 5266.0, 5679.0, 5594.0, 5343.0, 5277.0,

						5705.0, 5630.0, 5491.0, 5600.0, 5661.0, 5345.0, 5403.0, 5284.0, 5380.0, 5502.0, 5404.0, 5328.0, 5545.0, 5264.0, 5611.0, 5324.0, 5535.0, 5570.0, 5623.0, 5658.0, 5450.0, 5521.0, 5397.0, 5573.0, 5405.0, 5449.0, 5359.0, 5271.0, 5429.0, 5607.0, 5591.0, 5684.0, 5252.0, 5469.0, 5536.0, 5336.0, 5407.0, 5524.0, 5473.0, 5642.0, 5304.0, 5444.0, 5350.0, 5560.0, 5614.0, 5394.0, 5675.0, 5468.0, 5453.0, 5625.0, 5280.0, 5721.0, 5530.0, 5289.0, 5258.0, 5382.0, 5338.0, 5413.0, 5657.0, 5408.0, 5462.0, 5269.0, 5446.0, 5698.0, 5335.0 (number of hits: 5)
13	5510.0	9	1.0	333	1	5529.0, 5417.0, 5381.0, 5278.0, 5435.0, 5497.0, 5664.0, 5643.0, 5653.0, 5363.0, 5714.0, 5671.0, 5264.0, 5402.0, 5513.0, 5663.0, 5411.0, 5339.0, 5290.0, 5391.0, 5286.0, 5268.0, 5274.0, 5473.0, 5266.0, 5295.0, 5458.0, 5646.0, 5251.0, 5256.0, 5400.0, 5721.0, 5525.0, 5447.0, 5656.0, 5662.0, 5501.0, 5650.0, 5470.0, 5392.0, 5507.0, 5648.0, 5422.0, 5332.0, 5640.0, 5340.0, 5571.0, 5310.0, 5504.0, 5712.0, 5471.0, 5317.0, 5326.0, 5489.0, 5702.0, 5688.0, 5308.0, 5425.0, 5528.0, 5625.0, 5520.0, 5368.0, 5618.0, 5277.0, 5345.0, 5421.0, 5569.0, 5314.0, 5626.0, 5466.0, 5564.0, 5282.0, 5524.0, 5271.0, 5696.0, 5485.0, 5348.0, 5505.0, 5263.0, 5325.0, 5446.0, 5300.0, 5723.0, 5376.0, 5388.0, 5479.0, 5309.0, 5465.0, 5693.0, 5722.0, 5431.0, 5350.0, 5469.0, 5442.0, 5634.0, 5272.0, 5589.0, 5681.0, 5361.0, 5254.0 (number of hits: 9)
14	5510.0	9	1.0	333	1	5465.0, 5526.0, 5340.0, 5463.0, 5576.0, 5519.0, 5380.0, 5535.0, 5690.0, 5355.0, 5301.0, 5587.0, 5583.0, 5703.0, 5467.0, 5421.0, 5637.0, 5551.0, 5658.0, 5321.0, 5273.0, 5415.0, 5369.0, 5647.0, 5443.0, 5328.0, 5686.0, 5692.0, 5295.0, 5281.0, 5258.0, 5665.0, 5530.0, 5639.0, 5357.0, 5339.0, 5395.0, 5329.0, 5586.0, 5713.0, 5468.0, 5444.0, 5344.0, 5374.0, 5696.0, 5276.0, 5494.0, 5720.0, 5371.0, 5482.0, 5350.0, 5398.0, 5667.0, 5624.0, 5683.0, 5710.0, 5278.0, 5354.0, 5606.0, 5270.0, 5404.0, 5529.0, 5631.0, 5671.0, 5428.0, 5680.0, 5325.0, 5474.0, 5615.0, 5413.0, 5417.0, 5715.0, 5549.0, 5408.0, 5451.0, 5626.0, 5486.0, 5419.0, 5581.0, 5706.0, 5635.0, 5473.0, 5461.0, 5418.0, 5381.0, 5698.0, 5575.0, 5708.0, 5582.0, 5513.0, 5384.0, 5341.0, 5262.0, 5600.0, 5580.0, 5401.0, 5641.0, 5480.0, 5298.0, 5423.0 (number of hits: 4)
15	5510.0	9	1.0	333	1	5442.0, 5609.0, 5554.0, 5707.0, 5407.0, 5556.0, 5259.0, 5296.0, 5432.0, 5327.0, 5523.0, 5476.0, 5479.0, 5618.0, 5484.0, 5326.0, 5685.0, 5379.0, 5367.0, 5502.0, 5374.0, 5558.0, 5559.0, 5605.0, 5634.0,

						5316.0, 5448.0, 5401.0, 5286.0, 5636.0, 5600.0, 5628.0, 5277.0, 5320.0, 5258.0, 5625.0, 5291.0, 5281.0, 5564.0, 5592.0, 5549.0, 5275.0, 5580.0, 5368.0, 5491.0, 5589.0, 5283.0, 5274.0, 5604.0, 5345.0, 5538.0, 5487.0, 5408.0, 5385.0, 5322.0, 5596.0, 5256.0, 5675.0, 5532.0, 5450.0, 5653.0, 5319.0, 5566.0, 5440.0, 5651.0, 5495.0, 5282.0, 5359.0, 5654.0, 5349.0, 5711.0, 5497.0, 5449.0, 5506.0, 5551.0, 5251.0, 5363.0, 5393.0, 5325.0, 5429.0, 5265.0, 5632.0, 5631.0, 5678.0, 5597.0, 5456.0, 5418.0, 5693.0, 5364.0, 5279.0, 5396.0, 5354.0, 5419.0, 5512.0, 5674.0, 5552.0, 5593.0, 5563.0, 5426.0, 5569.0 (number of hits: 6)
16	5510.0	9	1.0	333	1	5407.0, 5294.0, 5367.0, 5330.0, 5617.0, 5411.0, 5422.0, 5394.0, 5487.0, 5690.0, 5536.0, 5578.0, 5276.0, 5668.0, 5361.0, 5593.0, 5331.0, 5526.0, 5354.0, 5704.0, 5295.0, 5548.0, 5719.0, 5563.0, 5288.0, 5477.0, 5537.0, 5384.0, 5262.0, 5715.0, 5472.0, 5665.0, 5522.0, 5447.0, 5343.0, 5708.0, 5435.0, 5315.0, 5608.0, 5505.0, 5488.0, 5278.0, 5588.0, 5323.0, 5599.0, 5462.0, 5359.0, 5486.0, 5676.0, 5657.0, 5467.0, 5466.0, 5550.0, 5571.0, 5716.0, 5556.0, 5622.0, 5661.0, 5495.0, 5268.0, 5671.0, 5568.0, 5376.0, 5318.0, 5293.0, 5368.0, 5615.0, 5674.0, 5629.0, 5581.0, 5346.0, 5445.0, 5655.0, 5328.0, 5496.0, 5285.0, 5434.0, 5314.0, 5712.0, 5349.0, 5701.0, 5390.0, 5269.0, 5456.0, 5673.0, 5423.0, 5322.0, 5685.0, 5270.0, 5580.0, 5524.0, 5286.0, 5653.0, 5549.0, 5492.0, 5504.0, 5625.0, 5465.0, 5338.0, 5431.0 (number of hits: 8)
17	5510.0	9	1.0	333	1	5638.0, 5597.0, 5444.0, 5665.0, 5582.0, 5602.0, 5654.0, 5674.0, 5540.0, 5518.0, 5314.0, 5409.0, 5252.0, 5451.0, 5636.0, 5483.0, 5673.0, 5525.0, 5388.0, 5593.0, 5423.0, 5435.0, 5425.0, 5312.0, 5633.0, 5394.0, 5390.0, 5397.0, 5419.0, 5516.0, 5313.0, 5466.0, 5398.0, 5647.0, 5291.0, 5559.0, 5510.0, 5596.0, 5416.0, 5637.0, 5702.0, 5631.0, 5431.0, 5564.0, 5614.0, 5265.0, 5626.0, 5697.0, 5370.0, 5372.0, 5429.0, 5272.0, 5316.0, 5318.0, 5503.0, 5607.0, 5605.0, 5548.0, 5635.0, 5424.0, 5381.0, 5584.0, 5670.0, 5371.0, 5696.0, 5627.0, 5453.0, 5443.0, 5361.0, 5263.0, 5413.0, 5508.0, 5687.0, 5472.0, 5551.0, 5678.0, 5534.0, 5588.0, 5711.0, 5485.0, 5432.0, 5422.0, 5392.0, 5378.0, 5346.0, 5322.0, 5332.0, 5694.0, 5716.0, 5707.0, 5383.0, 5701.0, 5379.0, 5450.0, 5357.0, 5565.0, 5684.0, 5280.0, 5402.0, 5415.0 (number of hits: 6)
18	5510.0	9	1.0	333	1	5692.0, 5332.0, 5507.0, 5353.0, 5386.0, 5345.0, 5624.0, 5687.0, 5469.0, 5420.0, 5560.0, 5602.0, 5723.0, 5648.0, 5704.0,

						5498.0, 5281.0, 5591.0, 5428.0, 5342.0, 5478.0, 5534.0, 5299.0, 5318.0, 5426.0, 5506.0, 5626.0, 5535.0, 5592.0, 5310.0, 5399.0, 5314.0, 5683.0, 5561.0, 5273.0, 5713.0, 5718.0, 5315.0, 5274.0, 5558.0, 5708.0, 5339.0, 5609.0, 5593.0, 5413.0, 5559.0, 5707.0, 5631.0, 5618.0, 5598.0, 5512.0, 5427.0, 5388.0, 5481.0, 5525.0, 5616.0, 5403.0, 5519.0, 5531.0, 5590.0, 5485.0, 5434.0, 5417.0, 5582.0, 5587.0, 5393.0, 5696.0, 5446.0, 5517.0, 5346.0, 5295.0, 5583.0, 5487.0, 5501.0, 5642.0, 5625.0, 5419.0, 5380.0, 5689.0, 5311.0, 5712.0, 5674.0, 5632.0, 5479.0, 5636.0, 5576.0, 5710.0, 5548.0, 5480.0, 5524.0, 5477.0, 5475.0, 5453.0, 5646.0, 5717.0, 5641.0, 5337.0, 5325.0, 5304.0, 5352.0 (number of hits: 9)
19	5510.0	9	1.0	333	1	5288.0, 5650.0, 5502.0, 5694.0, 5518.0, 5629.0, 5696.0, 5576.0, 5521.0, 5395.0, 5253.0, 5714.0, 5701.0, 5711.0, 5270.0, 5426.0, 5304.0, 5670.0, 5647.0, 5541.0, 5635.0, 5350.0, 5377.0, 5446.0, 5501.0, 5516.0, 5470.0, 5567.0, 5712.0, 5480.0, 5323.0, 5557.0, 5630.0, 5445.0, 5431.0, 5311.0, 5391.0, 5682.0, 5634.0, 5292.0, 5339.0, 5316.0, 5318.0, 5332.0, 5590.0, 5495.0, 5533.0, 5569.0, 5724.0, 5599.0, 5459.0, 5396.0, 5543.0, 5348.0, 5388.0, 5598.0, 5609.0, 5547.0, 5280.0, 5612.0, 5672.0, 5362.0, 5477.0, 5669.0, 5408.0, 5342.0, 5507.0, 5549.0, 5383.0, 5438.0, 5423.0, 5450.0, 5276.0, 5389.0, 5303.0, 5556.0, 5550.0, 5344.0, 5334.0, 5413.0, 5608.0, 5463.0, 5268.0, 5406.0, 5517.0, 5572.0, 5407.0, 5277.0, 5278.0, 5592.0, 5475.0, 5586.0, 5399.0, 5588.0, 5394.0, 5503.0, 5310.0, 5500.0, 5295.0, 5416.0 (number of hits: 10)
20	5510.0	9	1.0	333	1	5430.0, 5275.0, 5698.0, 5444.0, 5421.0, 5272.0, 5640.0, 5331.0, 5682.0, 5600.0, 5301.0, 5330.0, 5516.0, 5357.0, 5408.0, 5532.0, 5269.0, 5380.0, 5581.0, 5375.0, 5653.0, 5650.0, 5706.0, 5587.0, 5298.0, 5402.0, 5609.0, 5693.0, 5477.0, 5317.0, 5648.0, 5273.0, 5545.0, 5282.0, 5314.0, 5569.0, 5363.0, 5657.0, 5313.0, 5584.0, 5478.0, 5452.0, 5351.0, 5264.0, 5458.0, 5473.0, 5318.0, 5445.0, 5341.0, 5436.0, 5484.0, 5267.0, 5281.0, 5643.0, 5555.0, 5386.0, 5552.0, 5708.0, 5495.0, 5446.0, 5538.0, 5486.0, 5440.0, 5576.0, 5536.0, 5250.0, 5699.0, 5283.0, 5381.0, 5462.0, 5696.0, 5712.0, 5646.0, 5510.0, 5709.0, 5451.0, 5663.0, 5546.0, 5487.0, 5528.0, 5344.0, 5466.0, 5641.0, 5322.0, 5286.0, 5674.0, 5504.0, 5549.0, 5638.0, 5606.0, 5521.0, 5429.0, 5628.0, 5537.0, 5599.0, 5396.0, 5691.0, 5666.0, 5437.0, 5390.0 (number of hits: 5)
21	5510.0	9	1.0	333	1	5276.0, 5284.0, 5363.0, 5637.0, 5615.0,

						5722.0, 5464.0, 5432.0, 5388.0, 5561.0, 5641.0, 5546.0, 5329.0, 5645.0, 5630.0, 5433.0, 5352.0, 5717.0, 5592.0, 5661.0, 5460.0, 5690.0, 5466.0, 5392.0, 5642.0, 5635.0, 5282.0, 5542.0, 5491.0, 5465.0, 5285.0, 5526.0, 5250.0, 5638.0, 5598.0, 5300.0, 5548.0, 5708.0, 5402.0, 5286.0, 5275.0, 5277.0, 5472.0, 5683.0, 5318.0, 5479.0, 5564.0, 5495.0, 5420.0, 5488.0, 5676.0, 5587.0, 5651.0, 5537.0, 5310.0, 5485.0, 5529.0, 5293.0, 5622.0, 5336.0, 5311.0, 5540.0, 5680.0, 5502.0, 5511.0, 5510.0, 5372.0, 5639.0, 5387.0, 5506.0, 5328.0, 5612.0, 5316.0, 5509.0, 5264.0, 5257.0, 5499.0, 5448.0, 5665.0, 5685.0, 5520.0, 5291.0, 5593.0, 5283.0, 5659.0, 5698.0, 5440.0, 5686.0, 5473.0, 5549.0, 5543.0, 5482.0, 5532.0, 5410.0, 5378.0, 5326.0, 5668.0, 5350.0, 5331.0, 5656.0 (number of hits: 9)
22	5510.0	9	1.0	333	0	
23	5510.0	9	1.0	333	1	5628.0, 5600.0, 5404.0, 5580.0, 5256.0, 5411.0, 5705.0, 5362.0, 5570.0, 5458.0, 5519.0, 5690.0, 5660.0, 5624.0, 5641.0, 5684.0, 5358.0, 5510.0, 5436.0, 5399.0, 5490.0, 5621.0, 5549.0, 5556.0, 5691.0, 5382.0, 5355.0, 5576.0, 5368.0, 5700.0, 5360.0, 5615.0, 5680.0, 5509.0, 5564.0, 5398.0, 5326.0, 5664.0, 5296.0, 5292.0, 5707.0, 5712.0, 5268.0, 5343.0, 5267.0, 5699.0, 5678.0, 5693.0, 5572.0, 5596.0, 5402.0, 5300.0, 5593.0, 5629.0, 5588.0, 5517.0, 5619.0, 5515.0, 5604.0, 5447.0, 5561.0, 5258.0, 5499.0, 5696.0, 5682.0, 5555.0, 5375.0, 5295.0, 5365.0, 5275.0, 5352.0, 5702.0, 5661.0, 5349.0, 5500.0, 5688.0, 5410.0, 5654.0, 5581.0, 5422.0, 5542.0, 5632.0, 5255.0, 5282.0, 5333.0, 5396.0, 5269.0, 5616.0, 5273.0, 5504.0, 5571.0, 5449.0, 5299.0, 5363.0, 5575.0, 5415.0, 5710.0, 5357.0, 5430.0, 5263.0 (number of hits: 8)
24	5510.0	9	1.0	333	1	5265.0, 5478.0, 5407.0, 5368.0, 5397.0, 5617.0, 5579.0, 5488.0, 5430.0, 5712.0, 5575.0, 5393.0, 5354.0, 5536.0, 5269.0, 5573.0, 5560.0, 5551.0, 5690.0, 5254.0, 5506.0, 5365.0, 5503.0, 5281.0, 5676.0, 5317.0, 5708.0, 5394.0, 5540.0, 5548.0, 5637.0, 5400.0, 5337.0, 5537.0, 5482.0, 5286.0, 5338.0, 5664.0, 5300.0, 5587.0, 5413.0, 5593.0, 5262.0, 5395.0, 5468.0, 5576.0, 5678.0, 5588.0, 5405.0, 5374.0, 5402.0, 5671.0, 5710.0, 5520.0, 5435.0, 5654.0, 5629.0, 5364.0, 5434.0, 5369.0, 5717.0, 5327.0, 5336.0, 5345.0, 5620.0, 5453.0, 5304.0, 5667.0, 5257.0, 5294.0, 5615.0, 5586.0, 5702.0, 5332.0, 5621.0, 5447.0, 5698.0, 5422.0, 5353.0, 5350.0, 5267.0, 5410.0, 5464.0, 5547.0, 5633.0, 5571.0, 5513.0, 5653.0, 5701.0, 5499.0, 5293.0, 5704.0, 5411.0, 5343.0, 5644.0,

						5643.0, 5263.0, 5303.0, 5661.0, 5299.0 (number of hits: 5)
25	5510.0	9	1.0	333	1	5595.0, 5487.0, 5681.0, 5319.0, 5451.0, 5265.0, 5567.0, 5499.0, 5680.0, 5480.0, 5259.0, 5697.0, 5544.0, 5258.0, 5385.0, 5336.0, 5371.0, 5375.0, 5277.0, 5427.0, 5334.0, 5521.0, 5503.0, 5307.0, 5344.0, 5467.0, 5682.0, 5658.0, 5594.0, 5586.0, 5621.0, 5362.0, 5563.0, 5338.0, 5306.0, 5304.0, 5690.0, 5309.0, 5602.0, 5704.0, 5388.0, 5686.0, 5516.0, 5343.0, 5498.0, 5549.0, 5510.0, 5700.0, 5373.0, 5599.0, 5601.0, 5633.0, 5614.0, 5566.0, 5578.0, 5355.0, 5320.0, 5653.0, 5483.0, 5645.0, 5714.0, 5367.0, 5461.0, 5628.0, 5554.0, 5383.0, 5693.0, 5275.0, 5635.0, 5400.0, 5542.0, 5523.0, 5452.0, 5308.0, 5585.0, 5661.0, 5380.0, 5416.0, 5584.0, 5605.0, 5358.0, 5572.0, 5269.0, 5317.0, 5322.0, 5526.0, 5342.0, 5719.0, 5718.0, 5296.0, 5300.0, 5687.0, 5550.0, 5538.0, 5303.0, 5403.0, 5489.0, 5702.0, 5610.0, 5302.0 (number of hits: 8)
26	5510.0	9	1.0	333	1	5429.0, 5477.0, 5459.0, 5258.0, 5535.0, 5404.0, 5316.0, 5292.0, 5643.0, 5351.0, 5559.0, 5518.0, 5318.0, 5515.0, 5279.0, 5607.0, 5274.0, 5714.0, 5268.0, 5606.0, 5464.0, 5277.0, 5462.0, 5295.0, 5551.0, 5378.0, 5719.0, 5619.0, 5423.0, 5523.0, 5599.0, 5668.0, 5680.0, 5491.0, 5552.0, 5499.0, 5262.0, 5490.0, 5493.0, 5381.0, 5543.0, 5659.0, 5665.0, 5596.0, 5604.0, 5310.0, 5293.0, 5461.0, 5475.0, 5487.0, 5653.0, 5683.0, 5391.0, 5645.0, 5517.0, 5600.0, 5433.0, 5706.0, 5373.0, 5305.0, 5361.0, 5286.0, 5701.0, 5711.0, 5393.0, 5672.0, 5502.0, 5355.0, 5715.0, 5364.0, 5421.0, 5311.0, 5529.0, 5572.0, 5409.0, 5545.0, 5298.0, 5469.0, 5627.0, 5497.0, 5556.0, 5513.0, 5639.0, 5405.0, 5341.0, 5494.0, 5483.0, 5686.0, 5631.0, 5256.0, 5575.0, 5651.0, 5366.0, 5618.0, 5340.0, 5537.0, 5700.0, 5617.0, 5636.0, 5337.0 (number of hits: 10)
27	5510.0	9	1.0	333	1	5606.0, 5601.0, 5680.0, 5524.0, 5319.0, 5678.0, 5270.0, 5305.0, 5492.0, 5267.0, 5383.0, 5426.0, 5452.0, 5402.0, 5479.0, 5483.0, 5510.0, 5666.0, 5271.0, 5603.0, 5683.0, 5470.0, 5617.0, 5254.0, 5503.0, 5450.0, 5280.0, 5635.0, 5566.0, 5443.0, 5605.0, 5720.0, 5307.0, 5562.0, 5480.0, 5517.0, 5512.0, 5661.0, 5435.0, 5611.0, 5669.0, 5552.0, 5346.0, 5651.0, 5568.0, 5292.0, 5330.0, 5511.0, 5362.0, 5263.0, 5604.0, 5647.0, 5575.0, 5592.0, 5656.0, 5498.0, 5573.0, 5583.0, 5355.0, 5567.0, 5425.0, 5431.0, 5418.0, 5516.0, 5494.0, 5642.0, 5687.0, 5408.0, 5284.0, 5337.0, 5395.0, 5436.0, 5715.0, 5375.0, 5472.0, 5622.0, 5360.0, 5514.0, 5424.0, 5296.0, 5668.0, 5505.0, 5645.0, 5417.0, 5677.0,

						5368.0, 5699.0, 5686.0, 5449.0, 5336.0, 5543.0, 5709.0, 5491.0, 5621.0, 5456.0, 5334.0, 5676.0, 5459.0, 5579.0, 5332.0 (number of hits: 12)
28	5510.0	9	1.0	333	1	5367.0, 5267.0, 5450.0, 5403.0, 5479.0, 5384.0, 5353.0, 5254.0, 5369.0, 5268.0, 5347.0, 5612.0, 5542.0, 5294.0, 5316.0, 5465.0, 5264.0, 5451.0, 5333.0, 5393.0, 5520.0, 5695.0, 5425.0, 5710.0, 5718.0, 5344.0, 5472.0, 5349.0, 5510.0, 5455.0, 5427.0, 5278.0, 5635.0, 5385.0, 5532.0, 5419.0, 5484.0, 5647.0, 5516.0, 5583.0, 5423.0, 5252.0, 5325.0, 5428.0, 5540.0, 5389.0, 5711.0, 5553.0, 5693.0, 5400.0, 5460.0, 5284.0, 5291.0, 5560.0, 5690.0, 5562.0, 5485.0, 5564.0, 5592.0, 5476.0, 5549.0, 5435.0, 5604.0, 5629.0, 5580.0, 5421.0, 5431.0, 5595.0, 5417.0, 5707.0, 5636.0, 5621.0, 5350.0, 5713.0, 5637.0, 5610.0, 5566.0, 5395.0, 5448.0, 5644.0, 5515.0, 5317.0, 5426.0, 5616.0, 5275.0, 5383.0, 5253.0, 5370.0, 5308.0, 5643.0, 5615.0, 5390.0, 5319.0, 5670.0, 5573.0, 5545.0, 5412.0, 5632.0, 5420.0, 5687.0 (number of hits: 4)
29	5510.0	9	1.0	333	1	5629.0, 5533.0, 5487.0, 5639.0, 5547.0, 5652.0, 5367.0, 5349.0, 5340.0, 5579.0, 5548.0, 5396.0, 5699.0, 5626.0, 5686.0, 5305.0, 5660.0, 5474.0, 5404.0, 5380.0, 5663.0, 5370.0, 5377.0, 5253.0, 5601.0, 5413.0, 5311.0, 5566.0, 5325.0, 5493.0, 5653.0, 5467.0, 5352.0, 5335.0, 5322.0, 5609.0, 5327.0, 5446.0, 5288.0, 5272.0, 5689.0, 5511.0, 5644.0, 5351.0, 5407.0, 5429.0, 5569.0, 5420.0, 5540.0, 5282.0, 5391.0, 5716.0, 5621.0, 5453.0, 5501.0, 5717.0, 5496.0, 5591.0, 5405.0, 5274.0, 5600.0, 5480.0, 5596.0, 5561.0, 5706.0, 5460.0, 5281.0, 5334.0, 5528.0, 5555.0, 5361.0, 5522.0, 5365.0, 5508.0, 5707.0, 5599.0, 5481.0, 5326.0, 5476.0, 5414.0, 5578.0, 5575.0, 5712.0, 5264.0, 5650.0, 5586.0, 5683.0, 5598.0, 5323.0, 5681.0, 5419.0, 5669.0, 5438.0, 5310.0, 5320.0, 5276.0, 5275.0, 5505.0, 5312.0, 5529.0 (number of hits: 7)
30	5510.0	9	1.0	333	1	5323.0, 5718.0, 5477.0, 5654.0, 5534.0, 5487.0, 5661.0, 5676.0, 5437.0, 5327.0, 5254.0, 5450.0, 5262.0, 5646.0, 5349.0, 5486.0, 5637.0, 5679.0, 5550.0, 5672.0, 5284.0, 5345.0, 5623.0, 5401.0, 5475.0, 5374.0, 5532.0, 5398.0, 5516.0, 5563.0, 5681.0, 5359.0, 5678.0, 5482.0, 5694.0, 5546.0, 5598.0, 5704.0, 5636.0, 5691.0, 5696.0, 5558.0, 5721.0, 5549.0, 5270.0, 5709.0, 5441.0, 5414.0, 5328.0, 5701.0, 5724.0, 5697.0, 5630.0, 5582.0, 5542.0, 5560.0, 5389.0, 5329.0, 5711.0, 5657.0, 5412.0, 5388.0, 5299.0, 5285.0, 5431.0, 5617.0, 5459.0, 5368.0, 5656.0, 5605.0, 5639.0, 5557.0, 5684.0, 5446.0, 5283.0,

						5289.0, 5507.0, 5668.0, 5407.0, 5367.0, 5559.0, 5467.0, 5702.0, 5473.0, 5673.0, 5493.0, 5463.0, 5433.0, 5308.0, 5535.0, 5618.0, 5698.0, 5693.0, 5261.0, 5425.0, 5335.0, 5663.0, 5695.0, 5501.0, 5306.0 (number of hits: 4)

Client Mode
Cobalt 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	73.3 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	82.5 %	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 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	59	1.0	898	1
2	67	1.0	798	1
3	86	1.0	618	1
4	57	1.0	938	1
5	92	1.0	578	1
6	78	1.0	678	1
7	76	1.0	698	1
8	61	1.0	878	1
9	63	1.0	838	1
10	70	1.0	758	1
11	65	1.0	818	1
12	58	1.0	918	1
13	95	1.0	558	1
14	83	1.0	638	1
15	68	1.0	778	1
1	45	1.0	1183	1
2	18	1.0	2948	1
3	30	1.0	1785	1
4	41	1.0	1294	1
5	29	1.0	1877	1
6	32	1.0	1684	1
7	30	1.0	1779	0
8	19	1.0	2918	0
9	51	1.0	1037	1
10	34	1.0	1593	1
11	39	1.0	1366	1
12	48	1.0	1110	1
13	29	1.0	1862	1
14	21	1.0	2629	1
15	49	1.0	1098	0
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	26	4.6	150	1
2	27	4.5	186	1
3	23	2.1	163	0
4	27	1.3	197	0
5	26	1.4	197	1
6	27	2.6	168	1
7	24	1.9	205	1
8	28	2.6	225	1
9	27	3.1	223	1
10	23	1.3	217	1
11	26	1.4	159	1
12	24	1.1	194	0
13	23	3.6	214	1
14	23	1.6	190	0
15	24	1.9	172	1
16	29	1.9	154	1
17	24	4.9	192	1
18	24	4.7	182	0
19	26	3.6	187	1
20	26	3.7	186	1
21	29	2.9	192	0
22	27	1.2	152	1
23	25	3.4	171	1
24	25	1.0	159	1
25	24	3.4	161	1
26	26	2.7	197	1
27	29	2.8	171	1
28	23	3.2	207	1
29	29	3.4	195	0
30	24	4.3	180	0
Detection Percentage: 73.3% (>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	16	7.1	397	1
2	17	6.1	257	1
3	17	6.5	347	1
4	16	7.5	208	1
5	18	7.1	272	1
6	17	8.3	348	0
7	18	6.4	318	1
8	18	6.4	252	1
9	17	7.2	425	0
10	18	7.8	336	1
11	16	7.7	453	1
12	18	8.0	364	1
13	16	8.2	266	1
14	17	9.6	278	1
15	18	6.2	279	1
16	18	7.7	425	0
17	16	9.5	496	1
18	17	8.4	269	0
19	16	9.1	342	1
20	17	9.0	399	1
21	16	9.6	491	1
22	18	7.6	212	1
23	17	8.3	297	1
24	18	8.9	429	1
25	17	7.2	300	1
26	16	8.5	398	1
27	18	9.7	305	1
28	18	8.2	243	1
29	16	6.3	261	1
30	16	6.9	420	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	13	12.0	253	1
2	15	19.3	212	1
3	16	17.9	352	1
4	12	15.4	314	1
5	14	14.4	218	1
6	15	17.5	483	1
7	16	18.8	249	1
8	14	13.3	225	1
9	12	12.0	474	0
10	13	12.3	310	1
11	13	20.0	430	1
12	16	11.0	396	1
13	14	17.4	376	1
14	12	18.4	459	1
15	14	13.0	271	1
16	16	15.1	432	0
17	12	19.0	216	1
18	15	17.6	433	1
19	13	11.1	398	0
20	12	12.7	484	0
21	13	14.7	388	1
22	16	17.8	445	1
23	13	18.5	401	1
24	16	14.2	367	0
25	15	18.7	222	0
26	13	12.8	491	1
27	16	14.6	488	1
28	13	17.2	301	1
29	16	18.3	225	1
30	14	15.4	210	1
Detection Percentage: 80 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5495.2	1
12	5494.8	1
13	5498.8	1
14	5495.2	1
15	5498.0	1
16	5494.8	1
17	5494.4	1
18	5495.6	1
19	5496.8	1
20	5495.6	1
21	5563.2	1
22	5564.8	1
23	5563.2	1
24	5565.6	1
25	5564.8	1
26	5563.6	1
27	5565.2	1
28	5560.8	1
29	5560.8	1
30	5561.2	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	14	92.2	1174	1560	0.118015	1
1	2	14	51.6	1874		1.660576	
2	2	14	54.3	1907		1.955441	
3	3	14	53.4	1738	1662	2.951008	
4	1	14	59.9			4.015061	
5	2	14	74.0	1605		5.421637	
6	2	14	86.8	1623		5.896925	
7	3	14	57.8	1688	1996	6.757560	
8	3	14	53.0	1865	1177	7.742126	
9	2	14	65.9	1768		8.703583	
10	1	14	52.8			9.234361	
11	2	14	94.5	1745		10.931106	
12	3	14	84.9	1458	1196	11.823202	

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	14	75.2	1232		0.290187	1
1	3	14	81.1	1424	1662	1.010462	
2	1	14	83.2			1.784821	
3	2	14	62.7	1763		2.647458	
4	3	14	83.9	1973	1295	3.280574	
5	1	14	78.7			3.414815	
6	1	14	59.5			4.358181	
7	3	14	84.3	1093	1102	5.249122	
8	1	14	89.1			5.502847	
9	2	14	79.4	1088		6.029867	
10	2	14	91.1	1647		7.316341	
11	2	14	88.2	1884		7.639302	
12	2	14	85.5	1662		8.393800	
13	3	14	66.8	1296	1345	8.722035	
14	2	14	77.2	1588		9.582142	
15	2	14	57.7	1243		10.546039	
16	2	14	78.5	1113		11.155819	
17	2	14	95.8	1402		11.492062	

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	51.0	1387		0.857363	1
1	1	10	94.9			1.149179	
2	2	10	74.0	1894		2.598910	
3	2	10	59.2	1732		3.015727	
4	3	10	81.3	1755	1441	4.321452	
5	3	10	65.7	1140	1776	5.414643	
6	2	10	84.1	1398		6.810490	
7	2	10	58.0	1181		7.512220	
8	3	10	55.8	1805	1651	8.641604	
9	1	10	52.6			9.452026	
10	2	10	84.6	1181		10.666559	
11	2	10	98.5	1893		11.593486	

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	61.5	1756		0.536614	1
1	1	15	83.8			0.905721	
2	3	15	97.7	1413	1140	1.428372	
3	3	15	57.0	1819	1310	2.206986	
4	1	15	53.9			2.793611	
5	2	15	61.8	1788		3.412898	
6	2	15	65.8	1257		4.543800	
7	3	15	50.8	1644	1943	4.875026	
8	2	15	82.0	1593		5.606115	
9	2	15	90.6	1682		6.395404	
10	2	15	79.3	1488		6.866282	
11	2	15	64.0	1643		7.338749	
12	2	15	58.0	1527		8.558899	
13	2	15	50.2	1353		9.084907	
14	3	15	79.2	1457	1178	9.464214	
15	3	15	73.9	1183	1864	10.409477	
16	3	15	89.3	1908	1874	11.042192	
17	2	15	74.2	1970		11.466572	

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	15	94.2	1984		0.808807	1
1	1	15	84.3			2.117029	
2	2	15	71.1	1797		2.467499	
3	1	15	75.6			3.627507	
4	2	15	54.3	1475		5.097148	
5	1	15	96.2			6.442960	
6	3	15	88.7	1536	1597	8.178946	
7	2	15	87.1	1749		8.553350	
8	2	15	81.5	1103		10.656482	
9	1	15	79.9			11.321776	

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	14	75.9	1035	1666	0.292344	1
1	3	14	55.7	1968	1482	1.320698	
2	2	14	59.6	1046		1.606480	
3	2	14	69.7	1110		2.403927	
4	2	14	60.0	1212		2.932282	
5	2	14	95.7	1042		3.604712	
6	2	14	71.4	1340		4.046085	
7	1	14	70.4			4.957625	
8	1	14	90.2			5.425877	
9	3	14	60.5	1303	1396	6.511831	
10	1	14	78.8			7.182204	
11	2	14	63.1	1728		7.411646	
12	2	14	53.7	1769		8.032857	
13	3	14	76.3	1973	1383	9.117704	
14	3	14	60.2	1454	1470	9.812297	
15	1	14	50.9			10.402807	
16	2	14	86.6	1102		11.113504	
17	2	14	69.8	1570		11.399906	

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	66.6	1528		0.514186	
1	2	10	71.1	1358		1.034738	
2	2	10	50.3	1979		2.274585	
3	2	10	81.2	1347		3.064928	
4	3	10	84.6	1527	1715	4.287501	
5	2	10	83.0	1075		5.167164	
6	2	10	57.2	1824		6.445731	1
7	3	10	85.2	1632	1492	6.904295	
8	1	10	61.0			7.604138	
9	2	10	55.6	1051		8.592425	
10	2	10	58.3	1810		9.856073	
11	2	10	58.5	1052		10.707859	
12	3	10	85.8	1581	1818	11.262937	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	56.8	1536		0.420047	
1	2	9	86.6	1126		1.327156	
2	2	9	84.5	1745		2.131286	
3	3	9	56.2	1532	1513	2.637900	
4	3	9	56.9	1648	1932	3.814819	
5	2	9	72.6	1186		4.019539	
6	2	9	96.2	1738		5.480582	
7	3	9	69.7	1424	1799	6.083670	1
8	1	9	87.7			7.121405	
9	1	9	96.1			7.945270	
10	3	9	71.7	1979	1358	8.167867	
11	2	9	77.6	1879		9.347314	
12	2	9	90.4	1860		10.177290	
13	1	9	84.0			10.410395	
14	2	9	90.6	1602		11.726025	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	96.0			1.167395	1
1	1	11	53.7			2.802493	
2	3	11	51.3	1613	1832	3.350304	
3	2	11	75.7	1230		4.580385	
4	1	11	73.1			6.189145	
5	2	11	89.5	1222		7.899388	
6	2	11	50.9	1146		10.220845	
7	2	11	75.4	1430		10.906706	

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	67.9	1650		0.425135	1
1	1	10	76.0			1.002195	
2	2	10	86.4	1254		1.990465	
3	2	10	53.8	1708		2.352943	
4	2	10	82.3	1390		3.134649	
5	2	10	91.2	1813		3.904104	
6	1	10	56.4			4.292359	
7	2	10	67.2	1708		4.786337	
8	2	10	67.4	1694		5.939174	
9	1	10	52.8			6.129544	
10	2	10	76.4	1113		6.733902	
11	2	10	62.9	1390		7.897796	
12	1	10	83.1			8.459782	
13	3	10	55.2	1942	1285	8.715315	
14	2	10	73.2	1046		9.871475	
15	2	10	69.0	1349		10.025743	
16	3	10	64.9	1159	1598	10.793044	
17	2	10	86.1	1681		11.811034	

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	8	66.5	1011	1910	0.555572	1
1	2	8	63.2	1144		1.636092	
2	2	8	64.3	1015		2.268544	
3	2	8	85.9	1654		3.205474	
4	3	8	92.5	1404	1372	4.697153	
5	2	8	83.8	1552		5.549263	
6	2	8	72.3	1272		6.495129	
7	2	8	54.1	1511		7.077568	
8	2	8	98.9	1380		8.302968	
9	1	8	50.5			9.138058	
10	3	8	54.0	1967	1438	10.846336	
11	3	8	63.8	1629	1775	11.578775	

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	7	94.8			0.722444	1
1	2	7	98.9	1026		1.857780	
2	1	7	88.0			3.249750	
3	1	7	57.8			4.613692	
4	1	7	94.1			6.257761	
5	3	7	76.7	1031	1422	6.845983	
6	1	7	65.2			8.574203	
7	3	7	85.8	1237	1617	10.475794	
8	2	7	74.7	1141		11.238143	

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	60.9	1820		0.549093	1
1	3	17	73.7	1516	1595	0.747280	
2	2	17	63.5	1889		1.401358	
3	2	17	78.0	1515		2.577475	
4	2	17	79.7	1633		3.096185	
5	2	17	94.1	1049		3.790916	
6	2	17	61.4	1193		4.570547	
7	2	17	54.8	1258		4.751001	
8	2	17	64.1	1725		5.782397	
9	2	17	70.8	1173		6.235389	
10	1	17	66.6			7.063576	
11	2	17	60.1	1889		7.659137	
12	3	17	61.9	1155	1050	8.502438	
13	2	17	64.4	1605		8.841938	
14	2	17	84.0	1980		9.585540	
15	2	17	52.7	1157		10.287159	
16	2	17	88.3	1024		11.283353	
17	3	17	91.3	1893	1619	11.879382	

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	66.2	1321		0.121464	1
1	2	8	85.0	1846		1.816814	
2	3	8	78.9	1492	1468	2.510266	
3	2	8	70.7	1524		3.666445	
4	2	8	93.0	1171		4.326508	
5	2	8	65.7	1532		5.132484	
6	2	8	63.2	1117		5.848559	
7	1	8	85.3			6.492103	
8	2	8	81.3	1496		7.753887	
9	3	8	75.8	1670	1453	8.333457	
10	2	8	86.1	1900		9.495173	
11	2	8	62.2	1279		10.641811	
12	2	8	86.0	1432		11.741344	

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	15	61.2	1285		0.256928	1
1	2	15	91.9	1253		1.612164	
2	3	15	86.7	1279	1311	2.078386	
3	3	15	80.3	1275	1883	2.809254	
4	2	15	69.5	1151		3.700421	
5	3	15	61.3	1451	1079	4.779637	
6	3	15	76.2	1170	1250	5.558806	
7	1	15	52.7			6.740158	
8	3	15	71.3	1373	1898	7.034064	
9	3	15	50.7	1501	1591	7.859290	
10	2	15	92.1	1331		8.703663	
11	3	15	98.4	1690	1307	9.530751	
12	2	15	96.8	1234		10.579008	
13	2	15	53.9	1738		11.664204	

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	7	57.4	1900		0.222434	1
1	2	7	68.5	1378		1.286229	
2	2	7	91.7	1196		2.770990	
3	3	7	53.7	1359	1094	3.973602	
4	1	7	73.0			4.352091	
5	2	7	84.8	1286		5.391723	
6	2	7	72.0	1231		6.494061	
7	2	7	99.6	1275		7.513897	
8	3	7	95.8	1655	1951	8.327039	
9	3	7	94.1	1358	1276	9.935128	
10	3	7	58.4	1322	1783	10.214376	
11	2	7	52.2	1764		11.618225	

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	86.9	1182		0.136414	1
1	2	6	99.1	1418		1.035294	
2	2	6	91.6	1350		2.193357	
3	2	6	65.7	1850		3.275486	
4	2	6	55.1	1156		4.068745	
5	2	6	77.9	1734		4.293703	
6	2	6	88.7	1800		5.713827	
7	3	6	57.4	1304	1559	6.210662	
8	1	6	98.8			6.932046	
9	3	6	84.6	1502	1288	8.255869	
10	2	6	72.9	1852		9.325933	
11	1	6	54.3			9.664124	
12	1	6	75.7			10.471563	
13	2	6	70.3	1142		11.463173	

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	9	92.8	1517		1.106550	1
1	2	9	74.2	1195		2.441818	
2	3	9	88.7	1740	1363	2.924719	
3	2	9	82.0	1016		4.938345	
4	2	9	62.1	1583		6.198501	
5	2	9	93.3	1993		7.902065	
6	1	9	57.9			9.084268	
7	2	9	84.1	1511		9.977984	
8	3	9	96.9	1421	1013	11.583204	

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	12	68.9	1890		0.340881	1
1	3	12	52.1	1705	1540	0.732803	
2	2	12	88.1	1028		1.272427	
3	2	12	60.0	1475		2.198286	
4	3	12	87.9	1388	1623	2.788367	
5	2	12	99.4	1422		3.483913	
6	1	12	66.2			3.739228	
7	2	12	83.4	1776		4.658465	
8	2	12	91.4	1668		4.843831	
9	3	12	58.3	1062	1910	5.935495	
10	2	12	58.8	1422		6.451589	
11	2	12	95.5	1926		7.190536	
12	2	12	69.0	1641		7.631370	
13	2	12	71.8	1637		8.294475	
14	2	12	80.0	1858		8.858819	
15	3	12	55.5	1362	1190	9.059109	
16	3	12	73.9	1845	1602	9.737482	
17	1	12	56.6			10.253029	
18	1	12	92.9			11.068457	
19	1	12	79.3			11.929722	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	83.2			0.657682	1
1	1	9	92.1			0.785058	
2	2	9	79.5	1971		1.678830	
3	1	9	69.1			2.178592	
4	1	9	75.2			2.783536	
5	1	9	92.4			3.639663	
6	3	9	65.0	1340	1197	4.386454	
7	2	9	95.6	1684		4.688105	
8	2	9	61.0	1873		5.905977	
9	1	9	88.2			6.169238	
10	3	9	59.9	1663	1218	7.295260	
11	2	9	82.8	1514		7.720026	
12	1	9	53.8			8.643588	
13	1	9	51.7			9.294147	
14	2	9	92.8	1891		9.417795	
15	2	9	68.5	1177		10.354149	
16	2	9	69.6	1984		10.961061	
17	2	9	74.4	1065		11.956012	

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	12	78.9	1531		0.155798	1
1	1	12	67.6			1.677463	
2	2	12	78.9	1450		2.518942	
3	3	12	82.6	1262	1386	4.385039	
4	3	12	62.6	1400	1191	4.843044	
5	2	12	80.6	1634		6.829684	
6	2	12	98.6	1969		7.908357	
7	3	12	64.3	1723	1733	8.832304	
8	2	12	75.0	1409		10.476433	
9	2	12	69.5	1460		11.698000	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	58.3	1764		0.009641	1
1	2	8	85.7	1123		0.899800	
2	1	8	97.9			1.790104	
3	3	8	96.2	1687	1428	2.432046	
4	2	8	55.7	1605		2.770231	
5	2	8	58.6	1710		3.869303	
6	2	8	97.1	1370		4.465261	
7	1	8	79.8			5.179362	
8	3	8	55.1	1317	1032	5.368797	
9	2	8	87.6	1962		6.342375	
10	1	8	63.6			7.297139	
11	3	8	51.3	1358	1964	7.836524	
12	2	8	65.8	1780		8.043087	
13	2	8	82.9	1062		8.927078	
14	2	8	75.5	1124		9.848264	
15	3	8	56.2	1093	1298	10.212004	
16	1	8	73.4			11.208917	
17	1	8	91.3			11.685029	

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	12	75.7	1573		0.602794	1
1	2	12	93.5	1548		2.138830	
2	3	12	74.0	1526	1867	3.523407	
3	2	12	58.6	1260		4.865525	
4	1	12	79.1			5.747439	
5	1	12	85.5			7.006915	
6	1	12	56.2			8.596553	
7	3	12	62.0	1384	1920	9.459186	
8	1	12	74.5			10.670098	

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	6	86.3	1886		0.604951	1
1	2	6	60.4	1073		1.195546	
2	2	6	92.2	1484		2.067013	
3	2	6	50.6	1801		3.763508	
4	3	6	66.8	1271	1656	4.017174	
5	3	6	77.2	1410	1442	5.358000	
6	2	6	70.3	1381		6.872707	
7	2	6	60.5	1377		7.748173	
8	2	6	86.6	1304		8.809576	
9	3	6	61.5	1098	1467	9.288171	
10	3	6	69.6	1436	1314	10.704530	
11	2	6	68.3	1296		11.375459	

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	8	82.3	1711		0.784608	0
1	2	8	73.1	1333		2.222086	
2	3	8	53.2	1344	1016	3.323166	
3	3	8	71.5	1313	1628	3.625674	
4	1	8	64.8			5.772339	
5	2	8	51.6	1544		7.044807	
6	2	8	74.1	1049		7.364971	
7	3	8	65.3	1257	1108	8.565060	
8	2	8	88.0	1440		10.346372	
9	2	8	73.2	1482		11.314504	

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	11	80.3	1212	1559	0.414109	1
1	2	11	75.5	1636		1.302531	
2	1	11	71.9			1.726055	
3	2	11	67.5	1096		2.064248	
4	3	11	90.8	1022	1803	3.017685	
5	1	11	100.0			3.471157	
6	1	11	94.5			4.456182	
7	3	11	97.8	1637	1932	4.951505	
8	1	11	84.8			5.646506	
9	1	11	83.3			6.270317	
10	3	11	64.6	1588	1739	7.293374	
11	2	11	86.8	1214		7.420199	
12	2	11	89.6	1570		8.240841	
13	2	11	86.0	1310		9.093710	
14	1	11	53.0			9.629059	
15	2	11	77.9	1035		10.023744	
16	1	11	89.5			10.912698	
17	2	11	92.4	1186		11.462273	

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	7	53.1	1676	1350	0.754844	1
1	3	7	79.6	1741	1220	1.551033	
2	1	7	60.2			2.208191	
3	2	7	54.3	1076		2.400502	
4	3	7	76.4	1312	1202	3.975526	
5	1	7	58.7			4.392964	
6	2	7	89.1	1047		5.544819	
7	1	7	76.7			6.272610	
8	2	7	77.3	1226		7.033264	
9	2	7	93.9	1693		7.607504	
10	2	7	74.1	1089		8.634621	
11	3	7	50.4	1711	1574	9.277359	
12	2	7	64.2	1083		9.830489	
13	3	7	96.9	1722	1578	10.877345	
14	1	7	67.2			11.576361	

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	18	65.2	1860	1069	0.132996	
1	2	18	80.7	1737		2.237684	
2	1	18	82.2			3.538155	
3	2	18	75.5	1180		4.447886	
4	1	18	82.0			6.570994	1
5	3	18	77.9	1546	1313	7.820377	
6	3	18	63.8	1679	1840	8.045884	
7	2	18	97.0	1147		10.550401	
8	1	18	72.7			10.788558	

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	92.2	1657	1153	1.025591	
1	2	18	89.3	1419		1.694046	
2	3	18	98.6	1041	1032	3.713420	
3	3	18	59.4	1710	1854	4.806032	
4	1	18	70.7			5.984666	1
5	2	18	75.1	1051		7.701636	
6	3	18	91.1	1908	1200	8.838127	
7	3	18	78.9	1776	1606	9.643348	
8	2	18	50.9	1885		11.665513	

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	17	65.4			0.850365	0
1	3	17	86.0	1613	1263	1.495548	
2	3	17	55.5	1954	1572	2.457854	
3	2	17	55.7	1227		2.833277	
4	2	17	54.6	1944		4.327009	
5	1	17	95.8			4.971493	
6	1	17	86.5			5.790672	
7	2	17	91.9	1996		7.093024	
8	3	17	64.7	1054	1007	7.600776	
9	1	17	78.0			8.588633	
10	3	17	72.1	1751	1830	9.914929	
11	3	17	75.6	1374	1101	10.414986	
12	1	17	62.7			11.876546	

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	5259.0, 5477.0, 5283.0, 5469.0, 5698.0, 5692.0, 5564.0, 5724.0, 5436.0, 5407.0, 5336.0, 5660.0, 5412.0, 5595.0, 5328.0, 5339.0, 5572.0, 5586.0, 5434.0, 5665.0, 5373.0, 5499.0, 5588.0, 5453.0, 5669.0, 5290.0, 5547.0, 5604.0, 5428.0, 5684.0, 5624.0, 5680.0, 5676.0, 5302.0, 5668.0, 5644.0, 5254.0, 5479.0, 5506.0, 5408.0, 5638.0, 5710.0, 5517.0, 5470.0, 5645.0, 5279.0, 5392.0, 5562.0, 5505.0, 5435.0, 5300.0, 5500.0, 5596.0, 5590.0, 5358.0, 5587.0, 5534.0, 5414.0, 5365.0, 5478.0, 5674.0, 5448.0, 5455.0, 5431.0, 5415.0, 5421.0, 5263.0, 5293.0, 5721.0, 5480.0, 5488.0, 5416.0, 5447.0, 5437.0, 5278.0, 5576.0, 5367.0, 5535.0, 5475.0, 5458.0, 5629.0, 5396.0, 5591.0, 5515.0, 5490.0, 5320.0, 5315.0, 5653.0, 5513.0, 5649.0, 5406.0, 5313.0, 5518.0, 5621.0, 5658.0, 5281.0, 5652.0, 5516.0, 5497.0, 5272.0 (number of hits: 15)
2	5530.0	9	1.0	333	1	5406.0, 5543.0, 5481.0, 5658.0, 5719.0, 5495.0, 5563.0, 5361.0, 5422.0, 5686.0, 5375.0, 5252.0, 5655.0, 5254.0, 5489.0, 5307.0, 5584.0, 5696.0, 5444.0, 5274.0, 5287.0, 5317.0, 5331.0, 5452.0, 5478.0, 5376.0, 5525.0, 5615.0, 5528.0, 5384.0, 5397.0, 5272.0, 5378.0, 5281.0, 5555.0, 5515.0, 5437.0, 5366.0, 5601.0, 5470.0, 5251.0, 5645.0, 5410.0, 5554.0, 5652.0, 5663.0, 5587.0, 5472.0, 5324.0, 5724.0, 5402.0, 5570.0, 5321.0, 5332.0, 5519.0, 5318.0, 5522.0, 5342.0, 5365.0, 5464.0, 5607.0, 5700.0, 5485.0, 5535.0, 5290.0, 5449.0, 5496.0, 5670.0, 5364.0, 5420.0, 5523.0, 5416.0, 5511.0, 5640.0, 5377.0, 5355.0, 5653.0, 5334.0, 5282.0, 5500.0, 5494.0, 5641.0, 5706.0, 5445.0, 5354.0, 5315.0, 5617.0, 5683.0, 5476.0, 5479.0, 5278.0, 5600.0, 5625.0, 5524.0, 5569.0, 5717.0, 5580.0, 5385.0, 5447.0, 5691.0 (number of hits: 17)
3	5530.0	9	1.0	333	1	5418.0, 5619.0, 5503.0, 5538.0, 5487.0, 5462.0, 5338.0, 5427.0, 5420.0, 5315.0, 5514.0, 5448.0, 5481.0, 5617.0, 5381.0, 5358.0, 5671.0, 5415.0, 5521.0, 5649.0, 5645.0, 5701.0, 5372.0, 5255.0, 5373.0, 5709.0, 5346.0, 5688.0, 5311.0, 5536.0, 5344.0, 5661.0, 5356.0, 5682.0, 5616.0, 5295.0, 5634.0, 5464.0, 5680.0, 5663.0, 5500.0, 5441.0, 5659.0, 5463.0, 5586.0, 5509.0, 5555.0, 5320.0, 5336.0, 5355.0, 5485.0, 5283.0, 5522.0, 5643.0, 5456.0, 5280.0, 5437.0, 5474.0, 5306.0, 5290.0, 5340.0, 5399.0, 5331.0, 5394.0, 5421.0,

						5413.0, 5685.0, 5615.0, 5714.0, 5274.0, 5561.0, 5696.0, 5414.0, 5445.0, 5384.0, 5314.0, 5426.0, 5310.0, 5722.0, 5637.0, 5630.0, 5282.0, 5270.0, 5721.0, 5613.0, 5284.0, 5665.0, 5392.0, 5431.0, 5286.0, 5468.0, 5531.0, 5547.0, 5572.0, 5376.0, 5535.0, 5453.0, 5428.0, 5712.0, 5598.0 (number of hits: 13)
4	5530.0	9	1.0	333	1	5703.0, 5495.0, 5490.0, 5584.0, 5319.0, 5455.0, 5463.0, 5364.0, 5476.0, 5515.0, 5626.0, 5665.0, 5310.0, 5413.0, 5575.0, 5500.0, 5256.0, 5475.0, 5280.0, 5489.0, 5458.0, 5418.0, 5315.0, 5356.0, 5464.0, 5498.0, 5432.0, 5720.0, 5718.0, 5363.0, 5386.0, 5354.0, 5497.0, 5661.0, 5362.0, 5250.0, 5415.0, 5593.0, 5377.0, 5590.0, 5695.0, 5428.0, 5666.0, 5530.0, 5644.0, 5355.0, 5457.0, 5631.0, 5531.0, 5269.0, 5693.0, 5382.0, 5299.0, 5717.0, 5712.0, 5602.0, 5257.0, 5556.0, 5407.0, 5538.0, 5627.0, 5340.0, 5555.0, 5664.0, 5338.0, 5572.0, 5466.0, 5313.0, 5456.0, 5301.0, 5709.0, 5686.0, 5369.0, 5427.0, 5528.0, 5371.0, 5646.0, 5442.0, 5479.0, 5707.0, 5501.0, 5264.0, 5329.0, 5716.0, 5394.0, 5721.0, 5347.0, 5569.0, 5600.0, 5708.0, 5597.0, 5510.0, 5462.0, 5493.0, 5396.0, 5252.0, 5406.0, 5339.0, 5673.0, 5423.0 (number of hits: 14)
5	5530.0	9	1.0	333	1	5400.0, 5285.0, 5387.0, 5498.0, 5599.0, 5435.0, 5537.0, 5316.0, 5719.0, 5484.0, 5481.0, 5381.0, 5485.0, 5494.0, 5293.0, 5455.0, 5286.0, 5317.0, 5448.0, 5272.0, 5411.0, 5668.0, 5434.0, 5648.0, 5622.0, 5279.0, 5500.0, 5593.0, 5536.0, 5255.0, 5373.0, 5384.0, 5724.0, 5539.0, 5641.0, 5488.0, 5655.0, 5392.0, 5382.0, 5334.0, 5365.0, 5313.0, 5288.0, 5292.0, 5451.0, 5267.0, 5651.0, 5524.0, 5653.0, 5613.0, 5690.0, 5422.0, 5548.0, 5388.0, 5299.0, 5550.0, 5363.0, 5376.0, 5427.0, 5632.0, 5511.0, 5256.0, 5543.0, 5440.0, 5342.0, 5251.0, 5409.0, 5702.0, 5467.0, 5698.0, 5260.0, 5326.0, 5659.0, 5344.0, 5517.0, 5338.0, 5287.0, 5468.0, 5564.0, 5375.0, 5469.0, 5645.0, 5329.0, 5322.0, 5331.0, 5470.0, 5676.0, 5449.0, 5507.0, 5416.0, 5529.0, 5491.0, 5321.0, 5591.0, 5601.0, 5289.0, 5423.0, 5461.0, 5495.0, 5320.0 (number of hits: 16)
6	5530.0	9	1.0	333	1	5657.0, 5599.0, 5285.0, 5406.0, 5708.0, 5352.0, 5609.0, 5286.0, 5365.0, 5480.0, 5667.0, 5317.0, 5622.0, 5426.0, 5415.0, 5407.0, 5471.0, 5319.0, 5652.0, 5380.0, 5432.0, 5506.0, 5516.0, 5686.0, 5331.0, 5276.0, 5566.0, 5408.0, 5557.0, 5517.0, 5615.0, 5575.0, 5718.0, 5561.0, 5299.0, 5395.0, 5627.0, 5421.0, 5574.0, 5693.0, 5682.0, 5505.0, 5642.0, 5546.0, 5273.0, 5332.0, 5401.0, 5447.0, 5291.0, 5673.0, 5515.0, 5721.0, 5722.0, 5487.0, 5371.0,

						5524.0, 5316.0, 5282.0, 5704.0, 5631.0, 5549.0, 5376.0, 5448.0, 5634.0, 5531.0, 5462.0, 5391.0, 5384.0, 5680.0, 5635.0, 5633.0, 5687.0, 5598.0, 5625.0, 5324.0, 5523.0, 5459.0, 5542.0, 5450.0, 5467.0, 5335.0, 5508.0, 5396.0, 5349.0, 5411.0, 5595.0, 5681.0, 5323.0, 5402.0, 5608.0, 5269.0, 5483.0, 5278.0, 5484.0, 5418.0, 5509.0, 5713.0, 5258.0, 5417.0, 5692.0 (number of hits: 16)
7	5530.0	9	1.0	333	1	5308.0, 5610.0, 5684.0, 5289.0, 5475.0, 5596.0, 5536.0, 5501.0, 5444.0, 5624.0, 5663.0, 5681.0, 5688.0, 5529.0, 5450.0, 5422.0, 5641.0, 5379.0, 5557.0, 5612.0, 5700.0, 5449.0, 5271.0, 5531.0, 5296.0, 5555.0, 5558.0, 5267.0, 5724.0, 5678.0, 5397.0, 5669.0, 5592.0, 5445.0, 5457.0, 5605.0, 5315.0, 5533.0, 5293.0, 5375.0, 5525.0, 5441.0, 5339.0, 5543.0, 5660.0, 5707.0, 5561.0, 5486.0, 5576.0, 5590.0, 5483.0, 5259.0, 5545.0, 5409.0, 5639.0, 5691.0, 5479.0, 5552.0, 5567.0, 5461.0, 5465.0, 5376.0, 5448.0, 5515.0, 5559.0, 5656.0, 5381.0, 5266.0, 5283.0, 5416.0, 5335.0, 5304.0, 5294.0, 5625.0, 5601.0, 5546.0, 5262.0, 5550.0, 5256.0, 5389.0, 5350.0, 5452.0, 5653.0, 5662.0, 5433.0, 5333.0, 5264.0, 5600.0, 5629.0, 5460.0, 5436.0, 5579.0, 5435.0, 5420.0, 5365.0, 5430.0, 5287.0, 5280.0, 5343.0, 5390.0 (number of hits: 18)
8	5530.0	9	1.0	333	1	5312.0, 5524.0, 5426.0, 5398.0, 5589.0, 5597.0, 5359.0, 5517.0, 5448.0, 5481.0, 5403.0, 5646.0, 5454.0, 5678.0, 5462.0, 5626.0, 5621.0, 5275.0, 5482.0, 5473.0, 5410.0, 5328.0, 5541.0, 5492.0, 5513.0, 5435.0, 5318.0, 5634.0, 5408.0, 5695.0, 5287.0, 5719.0, 5564.0, 5330.0, 5581.0, 5303.0, 5490.0, 5313.0, 5527.0, 5606.0, 5458.0, 5419.0, 5535.0, 5334.0, 5446.0, 5471.0, 5652.0, 5430.0, 5591.0, 5570.0, 5357.0, 5577.0, 5437.0, 5455.0, 5712.0, 5340.0, 5545.0, 5612.0, 5427.0, 5372.0, 5413.0, 5551.0, 5688.0, 5386.0, 5421.0, 5374.0, 5633.0, 5480.0, 5531.0, 5600.0, 5601.0, 5588.0, 5476.0, 5533.0, 5300.0, 5423.0, 5514.0, 5464.0, 5594.0, 5466.0, 5280.0, 5269.0, 5537.0, 5497.0, 5557.0, 5528.0, 5515.0, 5593.0, 5339.0, 5428.0, 5619.0, 5605.0, 5648.0, 5260.0, 5487.0, 5342.0, 5608.0, 5697.0, 5578.0, 5542.0 (number of hits: 19)
9	5530.0	9	1.0	333	1	5628.0, 5544.0, 5455.0, 5701.0, 5553.0, 5552.0, 5252.0, 5650.0, 5430.0, 5313.0, 5326.0, 5577.0, 5581.0, 5563.0, 5345.0, 5384.0, 5424.0, 5664.0, 5676.0, 5574.0, 5409.0, 5257.0, 5493.0, 5507.0, 5317.0, 5434.0, 5723.0, 5253.0, 5365.0, 5352.0, 5476.0, 5460.0, 5484.0, 5708.0, 5449.0, 5629.0, 5462.0, 5672.0, 5427.0, 5692.0, 5294.0, 5340.0, 5280.0, 5429.0, 5454.0,

						5474.0, 5532.0, 5644.0, 5647.0, 5299.0, 5346.0, 5542.0, 5712.0, 5338.0, 5310.0, 5334.0, 5488.0, 5456.0, 5501.0, 5539.0, 5702.0, 5681.0, 5527.0, 5348.0, 5678.0, 5443.0, 5415.0, 5374.0, 5495.0, 5696.0, 5589.0, 5703.0, 5283.0, 5505.0, 5558.0, 5516.0, 5472.0, 5482.0, 5442.0, 5378.0, 5364.0, 5444.0, 5267.0, 5254.0, 5568.0, 5301.0, 5387.0, 5550.0, 5464.0, 5509.0, 5634.0, 5331.0, 5617.0, 5388.0, 5685.0, 5606.0, 5304.0, 5432.0, 5290.0, 5500.0 (number of hits: 18)
10	5530.0	9	1.0	333	1	5272.0, 5315.0, 5530.0, 5644.0, 5264.0, 5400.0, 5435.0, 5600.0, 5642.0, 5287.0, 5332.0, 5534.0, 5257.0, 5482.0, 5648.0, 5711.0, 5652.0, 5712.0, 5259.0, 5331.0, 5465.0, 5396.0, 5650.0, 5296.0, 5629.0, 5619.0, 5493.0, 5601.0, 5357.0, 5690.0, 5387.0, 5719.0, 5268.0, 5598.0, 5597.0, 5694.0, 5684.0, 5352.0, 5678.0, 5376.0, 5405.0, 5489.0, 5688.0, 5474.0, 5705.0, 5500.0, 5284.0, 5564.0, 5377.0, 5371.0, 5345.0, 5365.0, 5404.0, 5633.0, 5538.0, 5703.0, 5667.0, 5675.0, 5494.0, 5462.0, 5390.0, 5610.0, 5484.0, 5308.0, 5655.0, 5453.0, 5571.0, 5382.0, 5271.0, 5299.0, 5334.0, 5361.0, 5674.0, 5527.0, 5297.0, 5292.0, 5551.0, 5679.0, 5273.0, 5691.0, 5541.0, 5289.0, 5423.0, 5440.0, 5420.0, 5511.0, 5463.0, 5590.0, 5485.0, 5497.0, 5722.0, 5369.0, 5510.0, 5414.0, 5471.0, 5391.0, 5641.0, 5589.0, 5591.0, 5603.0 (number of hits: 13)
11	5530.0	9	1.0	333	1	5257.0, 5376.0, 5345.0, 5474.0, 5524.0, 5459.0, 5456.0, 5715.0, 5395.0, 5253.0, 5521.0, 5473.0, 5351.0, 5482.0, 5554.0, 5536.0, 5623.0, 5410.0, 5598.0, 5321.0, 5610.0, 5296.0, 5427.0, 5597.0, 5628.0, 5442.0, 5272.0, 5585.0, 5263.0, 5356.0, 5549.0, 5268.0, 5643.0, 5430.0, 5626.0, 5484.0, 5286.0, 5646.0, 5429.0, 5583.0, 5313.0, 5491.0, 5582.0, 5463.0, 5348.0, 5659.0, 5444.0, 5596.0, 5537.0, 5693.0, 5652.0, 5558.0, 5682.0, 5570.0, 5655.0, 5386.0, 5299.0, 5416.0, 5561.0, 5619.0, 5622.0, 5692.0, 5364.0, 5436.0, 5302.0, 5468.0, 5371.0, 5457.0, 5685.0, 5516.0, 5281.0, 5530.0, 5265.0, 5271.0, 5368.0, 5403.0, 5388.0, 5344.0, 5381.0, 5603.0, 5702.0, 5627.0, 5423.0, 5658.0, 5418.0, 5288.0, 5404.0, 5721.0, 5553.0, 5504.0, 5334.0, 5470.0, 5672.0, 5636.0, 5498.0, 5305.0, 5307.0, 5649.0, 5353.0, 5378.0 (number of hits: 13)
12	5530.0	9	1.0	333	1	5424.0, 5294.0, 5313.0, 5657.0, 5381.0, 5533.0, 5318.0, 5302.0, 5402.0, 5489.0, 5307.0, 5528.0, 5354.0, 5299.0, 5545.0, 5470.0, 5519.0, 5506.0, 5557.0, 5253.0, 5544.0, 5286.0, 5448.0, 5650.0, 5691.0, 5721.0, 5504.0, 5267.0, 5394.0, 5510.0, 5550.0, 5539.0, 5707.0, 5606.0, 5326.0,

						5502.0, 5265.0, 5667.0, 5459.0, 5303.0, 5702.0, 5400.0, 5602.0, 5288.0, 5483.0, 5611.0, 5626.0, 5427.0, 5494.0, 5617.0, 5436.0, 5652.0, 5687.0, 5605.0, 5501.0, 5350.0, 5419.0, 5338.0, 5316.0, 5655.0, 5563.0, 5260.0, 5482.0, 5551.0, 5535.0, 5271.0, 5564.0, 5644.0, 5328.0, 5469.0, 5268.0, 5276.0, 5712.0, 5711.0, 5591.0, 5324.0, 5625.0, 5653.0, 5275.0, 5621.0, 5370.0, 5390.0, 5431.0, 5392.0, 5530.0, 5492.0, 5464.0, 5661.0, 5547.0, 5595.0, 5651.0, 5314.0, 5701.0, 5315.0, 5450.0, 5566.0, 5444.0, 5695.0, 5365.0, 5412.0 (number of hits: 22)
13	5530.0	9	1.0	333	1	5273.0, 5500.0, 5685.0, 5282.0, 5658.0, 5596.0, 5678.0, 5509.0, 5313.0, 5333.0, 5287.0, 5483.0, 5531.0, 5338.0, 5296.0, 5464.0, 5416.0, 5481.0, 5409.0, 5614.0, 5368.0, 5613.0, 5694.0, 5372.0, 5671.0, 5378.0, 5591.0, 5673.0, 5530.0, 5262.0, 5571.0, 5717.0, 5636.0, 5254.0, 5403.0, 5574.0, 5632.0, 5565.0, 5463.0, 5623.0, 5314.0, 5709.0, 5712.0, 5359.0, 5649.0, 5518.0, 5445.0, 5587.0, 5620.0, 5343.0, 5573.0, 5648.0, 5354.0, 5453.0, 5540.0, 5265.0, 5465.0, 5267.0, 5366.0, 5621.0, 5567.0, 5285.0, 5454.0, 5363.0, 5293.0, 5476.0, 5407.0, 5602.0, 5298.0, 5537.0, 5718.0, 5455.0, 5595.0, 5413.0, 5315.0, 5394.0, 5546.0, 5312.0, 5420.0, 5698.0, 5396.0, 5405.0, 5351.0, 5492.0, 5657.0, 5433.0, 5324.0, 5720.0, 5517.0, 5542.0, 5376.0, 5484.0, 5292.0, 5700.0, 5381.0, 5279.0, 5598.0, 5295.0, 5564.0, 5269.0 (number of hits: 14)
14	5530.0	9	1.0	333	1	5456.0, 5250.0, 5480.0, 5583.0, 5565.0, 5373.0, 5296.0, 5496.0, 5255.0, 5657.0, 5540.0, 5328.0, 5498.0, 5444.0, 5501.0, 5438.0, 5462.0, 5401.0, 5304.0, 5489.0, 5315.0, 5530.0, 5447.0, 5531.0, 5300.0, 5650.0, 5441.0, 5632.0, 5690.0, 5399.0, 5271.0, 5698.0, 5534.0, 5433.0, 5421.0, 5673.0, 5476.0, 5265.0, 5533.0, 5722.0, 5268.0, 5715.0, 5541.0, 5288.0, 5458.0, 5459.0, 5301.0, 5346.0, 5497.0, 5389.0, 5639.0, 5338.0, 5449.0, 5692.0, 5724.0, 5395.0, 5685.0, 5597.0, 5454.0, 5649.0, 5410.0, 5412.0, 5713.0, 5562.0, 5345.0, 5620.0, 5645.0, 5252.0, 5479.0, 5569.0, 5561.0, 5419.0, 5474.0, 5516.0, 5527.0, 5426.0, 5611.0, 5695.0, 5484.0, 5542.0, 5274.0, 5366.0, 5457.0, 5427.0, 5672.0, 5677.0, 5697.0, 5281.0, 5693.0, 5298.0, 5452.0, 5414.0, 5397.0, 5601.0, 5682.0, 5387.0, 5518.0, 5721.0, 5381.0, 5664.0 (number of hits: 17)
15	5530.0	9	1.0	333	1	5374.0, 5512.0, 5404.0, 5616.0, 5707.0, 5429.0, 5383.0, 5352.0, 5544.0, 5702.0, 5444.0, 5514.0, 5719.0, 5384.0, 5370.0, 5450.0, 5353.0, 5476.0, 5631.0, 5255.0, 5686.0, 5349.0, 5509.0, 5484.0, 5620.0,

						5511.0, 5613.0, 5524.0, 5597.0, 5660.0, 5671.0, 5481.0, 5396.0, 5299.0, 5633.0, 5397.0, 5672.0, 5722.0, 5462.0, 5251.0, 5690.0, 5364.0, 5650.0, 5436.0, 5467.0, 5629.0, 5369.0, 5715.0, 5513.0, 5356.0, 5636.0, 5600.0, 5395.0, 5554.0, 5711.0, 5468.0, 5573.0, 5312.0, 5327.0, 5578.0, 5281.0, 5584.0, 5257.0, 5569.0, 5460.0, 5496.0, 5493.0, 5593.0, 5570.0, 5410.0, 5389.0, 5428.0, 5630.0, 5314.0, 5641.0, 5326.0, 5359.0, 5431.0, 5689.0, 5626.0, 5286.0, 5709.0, 5710.0, 5505.0, 5452.0, 5576.0, 5625.0, 5264.0, 5602.0, 5510.0, 5478.0, 5580.0, 5628.0, 5720.0, 5665.0, 5375.0, 5297.0, 5683.0, 5270.0, 5296.0 (number of hits: 12)
16	5530.0	9	1.0	333	1	5514.0, 5497.0, 5628.0, 5466.0, 5593.0, 5317.0, 5263.0, 5547.0, 5320.0, 5313.0, 5407.0, 5397.0, 5396.0, 5603.0, 5420.0, 5594.0, 5322.0, 5533.0, 5718.0, 5666.0, 5698.0, 5559.0, 5623.0, 5369.0, 5493.0, 5652.0, 5678.0, 5683.0, 5340.0, 5253.0, 5436.0, 5554.0, 5562.0, 5586.0, 5269.0, 5346.0, 5620.0, 5616.0, 5304.0, 5393.0, 5484.0, 5575.0, 5522.0, 5410.0, 5425.0, 5488.0, 5642.0, 5324.0, 5672.0, 5298.0, 5515.0, 5417.0, 5534.0, 5374.0, 5272.0, 5520.0, 5350.0, 5333.0, 5264.0, 5399.0, 5536.0, 5310.0, 5608.0, 5561.0, 5321.0, 5258.0, 5328.0, 5332.0, 5548.0, 5289.0, 5375.0, 5614.0, 5438.0, 5670.0, 5302.0, 5709.0, 5563.0, 5507.0, 5500.0, 5445.0, 5498.0, 5460.0, 5450.0, 5412.0, 5421.0, 5398.0, 5409.0, 5689.0, 5326.0, 5693.0, 5254.0, 5251.0, 5638.0, 5541.0, 5720.0, 5415.0, 5664.0, 5489.0, 5390.0, 5505.0 (number of hits: 21)
17	5530.0	9	1.0	333	1	5580.0, 5677.0, 5291.0, 5384.0, 5653.0, 5490.0, 5269.0, 5536.0, 5714.0, 5500.0, 5675.0, 5563.0, 5629.0, 5683.0, 5661.0, 5277.0, 5588.0, 5479.0, 5417.0, 5392.0, 5440.0, 5388.0, 5562.0, 5616.0, 5313.0, 5492.0, 5667.0, 5355.0, 5405.0, 5345.0, 5489.0, 5691.0, 5704.0, 5418.0, 5412.0, 5424.0, 5378.0, 5394.0, 5335.0, 5310.0, 5427.0, 5322.0, 5431.0, 5496.0, 5660.0, 5365.0, 5718.0, 5662.0, 5513.0, 5624.0, 5519.0, 5290.0, 5315.0, 5578.0, 5361.0, 5340.0, 5423.0, 5692.0, 5572.0, 5449.0, 5666.0, 5679.0, 5251.0, 5382.0, 5711.0, 5349.0, 5339.0, 5281.0, 5484.0, 5276.0, 5483.0, 5473.0, 5255.0, 5491.0, 5261.0, 5391.0, 5351.0, 5553.0, 5574.0, 5396.0, 5368.0, 5505.0, 5354.0, 5387.0, 5634.0, 5303.0, 5272.0, 5517.0, 5293.0, 5503.0, 5309.0, 5640.0, 5312.0, 5469.0, 5341.0, 5680.0, 5591.0, 5664.0, 5538.0, 5508.0 (number of hits: 14)
18	5530.0	9	1.0	333	1	5507.0, 5303.0, 5615.0, 5680.0, 5589.0, 5552.0, 5648.0, 5627.0, 5370.0, 5309.0, 5250.0, 5348.0, 5354.0, 5502.0, 5268.0,

						5396.0, 5518.0, 5548.0, 5334.0, 5451.0, 5305.0, 5425.0, 5397.0, 5701.0, 5291.0, 5669.0, 5329.0, 5601.0, 5486.0, 5617.0, 5504.0, 5515.0, 5593.0, 5350.0, 5417.0, 5339.0, 5279.0, 5427.0, 5435.0, 5628.0, 5679.0, 5298.0, 5312.0, 5403.0, 5531.0, 5620.0, 5330.0, 5285.0, 5678.0, 5450.0, 5609.0, 5654.0, 5452.0, 5346.0, 5693.0, 5640.0, 5468.0, 5258.0, 5466.0, 5392.0, 5496.0, 5707.0, 5295.0, 5287.0, 5652.0, 5335.0, 5270.0, 5613.0, 5586.0, 5256.0, 5344.0, 5629.0, 5564.0, 5394.0, 5713.0, 5409.0, 5481.0, 5442.0, 5506.0, 5467.0, 5671.0, 5581.0, 5700.0, 5493.0, 5705.0, 5470.0, 5439.0, 5708.0, 5683.0, 5643.0, 5536.0, 5711.0, 5555.0, 5495.0, 5453.0, 5372.0, 5315.0, 5717.0, 5692.0, 5416.0 (number of hits: 15)
19	5530.0	9	1.0	333	1	5331.0, 5273.0, 5629.0, 5532.0, 5427.0, 5420.0, 5495.0, 5722.0, 5692.0, 5271.0, 5290.0, 5295.0, 5423.0, 5446.0, 5358.0, 5357.0, 5375.0, 5543.0, 5350.0, 5277.0, 5545.0, 5279.0, 5257.0, 5622.0, 5723.0, 5262.0, 5431.0, 5616.0, 5415.0, 5700.0, 5333.0, 5535.0, 5456.0, 5598.0, 5362.0, 5538.0, 5708.0, 5494.0, 5360.0, 5601.0, 5352.0, 5404.0, 5576.0, 5607.0, 5407.0, 5589.0, 5440.0, 5681.0, 5650.0, 5484.0, 5626.0, 5478.0, 5542.0, 5704.0, 5260.0, 5443.0, 5646.0, 5365.0, 5391.0, 5586.0, 5526.0, 5322.0, 5335.0, 5617.0, 5605.0, 5564.0, 5531.0, 5497.0, 5644.0, 5366.0, 5321.0, 5445.0, 5588.0, 5558.0, 5529.0, 5480.0, 5429.0, 5439.0, 5612.0, 5339.0, 5513.0, 5676.0, 5709.0, 5651.0, 5510.0, 5575.0, 5515.0, 5395.0, 5316.0, 5332.0, 5470.0, 5592.0, 5711.0, 5719.0, 5724.0, 5338.0, 5642.0, 5417.0, 5500.0, 5302.0 (number of hits: 18)
20	5530.0	9	1.0	333	1	5615.0, 5348.0, 5389.0, 5669.0, 5552.0, 5496.0, 5660.0, 5388.0, 5504.0, 5283.0, 5562.0, 5449.0, 5467.0, 5579.0, 5638.0, 5578.0, 5486.0, 5290.0, 5300.0, 5670.0, 5400.0, 5325.0, 5429.0, 5689.0, 5678.0, 5295.0, 5391.0, 5497.0, 5426.0, 5310.0, 5480.0, 5591.0, 5686.0, 5329.0, 5405.0, 5574.0, 5410.0, 5515.0, 5439.0, 5679.0, 5547.0, 5286.0, 5710.0, 5488.0, 5721.0, 5709.0, 5273.0, 5463.0, 5611.0, 5464.0, 5250.0, 5652.0, 5344.0, 5333.0, 5321.0, 5314.0, 5538.0, 5485.0, 5491.0, 5308.0, 5341.0, 5705.0, 5549.0, 5322.0, 5534.0, 5298.0, 5455.0, 5519.0, 5470.0, 5430.0, 5349.0, 5718.0, 5448.0, 5564.0, 5258.0, 5577.0, 5274.0, 5609.0, 5662.0, 5699.0, 5628.0, 5302.0, 5361.0, 5490.0, 5419.0, 5380.0, 5700.0, 5601.0, 5595.0, 5701.0, 5271.0, 5417.0, 5629.0, 5627.0, 5281.0, 5381.0, 5646.0, 5681.0, 5694.0, 5475.0 (number of hits: 12)
21	5530.0	9	1.0	333	1	5370.0, 5282.0, 5556.0, 5670.0, 5403.0,

						5355.0, 5439.0, 5321.0, 5384.0, 5595.0, 5473.0, 5693.0, 5431.0, 5337.0, 5253.0, 5539.0, 5441.0, 5559.0, 5448.0, 5402.0, 5667.0, 5445.0, 5414.0, 5322.0, 5504.0, 5388.0, 5657.0, 5304.0, 5574.0, 5494.0, 5405.0, 5433.0, 5297.0, 5468.0, 5276.0, 5452.0, 5479.0, 5617.0, 5537.0, 5333.0, 5593.0, 5482.0, 5429.0, 5552.0, 5649.0, 5292.0, 5640.0, 5381.0, 5723.0, 5536.0, 5401.0, 5308.0, 5382.0, 5596.0, 5700.0, 5655.0, 5687.0, 5408.0, 5274.0, 5363.0, 5440.0, 5451.0, 5360.0, 5310.0, 5344.0, 5719.0, 5662.0, 5436.0, 5413.0, 5365.0, 5315.0, 5584.0, 5486.0, 5489.0, 5638.0, 5430.0, 5523.0, 5594.0, 5531.0, 5528.0, 5354.0, 5615.0, 5377.0, 5520.0, 5551.0, 5671.0, 5626.0, 5305.0, 5252.0, 5591.0, 5415.0, 5686.0, 5707.0, 5266.0, 5409.0, 5283.0, 5706.0, 5484.0, 5443.0, 5561.0 (number of hits: 14)
22	5530.0	9	1.0	333	1	5515.0, 5522.0, 5444.0, 5399.0, 5377.0, 5416.0, 5414.0, 5702.0, 5616.0, 5387.0, 5462.0, 5321.0, 5663.0, 5298.0, 5318.0, 5665.0, 5381.0, 5526.0, 5546.0, 5677.0, 5365.0, 5477.0, 5496.0, 5421.0, 5588.0, 5429.0, 5511.0, 5501.0, 5256.0, 5263.0, 5590.0, 5400.0, 5493.0, 5499.0, 5274.0, 5668.0, 5329.0, 5500.0, 5464.0, 5474.0, 5509.0, 5355.0, 5505.0, 5610.0, 5717.0, 5339.0, 5558.0, 5378.0, 5660.0, 5323.0, 5530.0, 5280.0, 5485.0, 5382.0, 5276.0, 5492.0, 5617.0, 5656.0, 5384.0, 5723.0, 5602.0, 5529.0, 5392.0, 5333.0, 5622.0, 5504.0, 5709.0, 5718.0, 5271.0, 5621.0, 5597.0, 5366.0, 5334.0, 5653.0, 5627.0, 5651.0, 5684.0, 5372.0, 5458.0, 5269.0, 5698.0, 5598.0, 5397.0, 5363.0, 5550.0, 5537.0, 5641.0, 5279.0, 5507.0, 5666.0, 5345.0, 5603.0, 5364.0, 5635.0, 5644.0, 5642.0, 5579.0, 5347.0, 5502.0, 5290.0 (number of hits: 21)
23	5530.0	9	1.0	333	1	5428.0, 5374.0, 5340.0, 5652.0, 5481.0, 5602.0, 5633.0, 5710.0, 5615.0, 5593.0, 5426.0, 5432.0, 5620.0, 5442.0, 5544.0, 5469.0, 5405.0, 5278.0, 5313.0, 5366.0, 5654.0, 5483.0, 5531.0, 5301.0, 5335.0, 5392.0, 5445.0, 5720.0, 5586.0, 5573.0, 5354.0, 5539.0, 5597.0, 5527.0, 5342.0, 5406.0, 5360.0, 5422.0, 5575.0, 5637.0, 5682.0, 5448.0, 5461.0, 5717.0, 5437.0, 5536.0, 5517.0, 5265.0, 5271.0, 5523.0, 5328.0, 5490.0, 5612.0, 5367.0, 5648.0, 5486.0, 5423.0, 5644.0, 5521.0, 5613.0, 5563.0, 5639.0, 5515.0, 5668.0, 5252.0, 5522.0, 5480.0, 5264.0, 5451.0, 5363.0, 5323.0, 5324.0, 5471.0, 5477.0, 5684.0, 5709.0, 5572.0, 5580.0, 5470.0, 5270.0, 5676.0, 5587.0, 5543.0, 5260.0, 5346.0, 5520.0, 5530.0, 5647.0, 5476.0, 5384.0, 5429.0, 5703.0, 5596.0, 5708.0, 5336.0, 5312.0, 5547.0, 5311.0, 5632.0, 5487.0

						(number of hits: 15)
24	5530.0	9	1.0	333	1	5368.0, 5647.0, 5487.0, 5614.0, 5392.0, 5355.0, 5650.0, 5269.0, 5472.0, 5532.0, 5346.0, 5322.0, 5718.0, 5380.0, 5658.0, 5676.0, 5607.0, 5480.0, 5645.0, 5388.0, 5699.0, 5429.0, 5611.0, 5679.0, 5653.0, 5408.0, 5509.0, 5519.0, 5617.0, 5260.0, 5461.0, 5557.0, 5707.0, 5572.0, 5305.0, 5484.0, 5545.0, 5458.0, 5683.0, 5428.0, 5619.0, 5334.0, 5434.0, 5639.0, 5586.0, 5477.0, 5573.0, 5396.0, 5453.0, 5638.0, 5674.0, 5633.0, 5475.0, 5440.0, 5383.0, 5384.0, 5364.0, 5501.0, 5721.0, 5254.0, 5555.0, 5385.0, 5625.0, 5454.0, 5422.0, 5255.0, 5290.0, 5314.0, 5576.0, 5425.0, 5288.0, 5513.0, 5590.0, 5569.0, 5521.0, 5277.0, 5587.0, 5456.0, 5284.0, 5592.0, 5710.0, 5543.0, 5292.0, 5402.0, 5507.0, 5329.0, 5489.0, 5534.0, 5275.0, 5556.0, 5495.0, 5282.0, 5661.0, 5374.0, 5662.0, 5457.0, 5431.0, 5691.0, 5417.0, 5594.0 (number of hits: 14)
25	5530.0	9	1.0	333	1	5587.0, 5319.0, 5462.0, 5607.0, 5427.0, 5574.0, 5531.0, 5252.0, 5273.0, 5508.0, 5524.0, 5688.0, 5478.0, 5309.0, 5671.0, 5277.0, 5276.0, 5346.0, 5486.0, 5381.0, 5711.0, 5295.0, 5632.0, 5412.0, 5722.0, 5529.0, 5264.0, 5698.0, 5544.0, 5416.0, 5481.0, 5538.0, 5439.0, 5673.0, 5287.0, 5397.0, 5299.0, 5384.0, 5594.0, 5662.0, 5619.0, 5320.0, 5376.0, 5281.0, 5367.0, 5411.0, 5285.0, 5392.0, 5371.0, 5672.0, 5684.0, 5588.0, 5569.0, 5251.0, 5715.0, 5375.0, 5402.0, 5523.0, 5333.0, 5460.0, 5559.0, 5378.0, 5263.0, 5415.0, 5275.0, 5648.0, 5409.0, 5438.0, 5465.0, 5669.0, 5423.0, 5723.0, 5430.0, 5372.0, 5695.0, 5510.0, 5539.0, 5601.0, 5383.0, 5568.0, 5640.0, 5450.0, 5612.0, 5359.0, 5557.0, 5422.0, 5527.0, 5564.0, 5697.0, 5463.0, 5622.0, 5690.0, 5500.0, 5358.0, 5713.0, 5458.0, 5259.0, 5667.0, 5636.0, 5680.0 (number of hits: 14)
26	5530.0	9	1.0	333	1	5261.0, 5705.0, 5256.0, 5359.0, 5507.0, 5677.0, 5606.0, 5574.0, 5563.0, 5501.0, 5512.0, 5701.0, 5269.0, 5715.0, 5397.0, 5275.0, 5517.0, 5379.0, 5294.0, 5451.0, 5477.0, 5532.0, 5678.0, 5602.0, 5513.0, 5313.0, 5653.0, 5603.0, 5539.0, 5685.0, 5302.0, 5336.0, 5344.0, 5310.0, 5459.0, 5258.0, 5693.0, 5377.0, 5700.0, 5695.0, 5506.0, 5480.0, 5273.0, 5268.0, 5450.0, 5595.0, 5362.0, 5364.0, 5462.0, 5675.0, 5445.0, 5692.0, 5402.0, 5671.0, 5346.0, 5589.0, 5707.0, 5621.0, 5649.0, 5405.0, 5468.0, 5527.0, 5661.0, 5541.0, 5320.0, 5381.0, 5600.0, 5697.0, 5444.0, 5647.0, 5723.0, 5586.0, 5326.0, 5460.0, 5371.0, 5570.0, 5334.0, 5400.0, 5272.0, 5299.0, 5349.0, 5366.0, 5609.0, 5543.0, 5629.0, 5713.0, 5453.0, 5676.0, 5627.0, 5620.0,

						5352.0, 5663.0, 5625.0, 5503.0, 5617.0, 5266.0, 5569.0, 5257.0, 5386.0, 5706.0 (number of hits: 13)
27	5530.0	9	1.0	333	1	5431.0, 5563.0, 5301.0, 5559.0, 5269.0, 5569.0, 5694.0, 5625.0, 5525.0, 5553.0, 5512.0, 5311.0, 5320.0, 5309.0, 5480.0, 5508.0, 5491.0, 5304.0, 5324.0, 5663.0, 5273.0, 5604.0, 5706.0, 5316.0, 5705.0, 5669.0, 5521.0, 5259.0, 5510.0, 5670.0, 5481.0, 5337.0, 5664.0, 5543.0, 5283.0, 5461.0, 5519.0, 5250.0, 5465.0, 5632.0, 5272.0, 5695.0, 5379.0, 5592.0, 5560.0, 5253.0, 5339.0, 5262.0, 5718.0, 5403.0, 5382.0, 5478.0, 5643.0, 5281.0, 5402.0, 5254.0, 5556.0, 5436.0, 5397.0, 5409.0, 5351.0, 5318.0, 5653.0, 5511.0, 5626.0, 5703.0, 5631.0, 5545.0, 5278.0, 5332.0, 5455.0, 5266.0, 5641.0, 5261.0, 5362.0, 5423.0, 5418.0, 5583.0, 5598.0, 5687.0, 5340.0, 5414.0, 5673.0, 5544.0, 5360.0, 5497.0, 5420.0, 5636.0, 5450.0, 5651.0, 5369.0, 5535.0, 5438.0, 5572.0, 5363.0, 5483.0, 5642.0, 5490.0, 5595.0, 5697.0 (number of hits: 17)
28	5530.0	9	1.0	333	1	5303.0, 5590.0, 5563.0, 5330.0, 5643.0, 5278.0, 5696.0, 5450.0, 5519.0, 5627.0, 5383.0, 5436.0, 5455.0, 5372.0, 5648.0, 5251.0, 5663.0, 5566.0, 5628.0, 5615.0, 5591.0, 5343.0, 5326.0, 5635.0, 5587.0, 5572.0, 5346.0, 5408.0, 5428.0, 5467.0, 5458.0, 5540.0, 5706.0, 5298.0, 5479.0, 5644.0, 5652.0, 5354.0, 5332.0, 5612.0, 5553.0, 5267.0, 5557.0, 5473.0, 5550.0, 5672.0, 5402.0, 5266.0, 5291.0, 5613.0, 5257.0, 5584.0, 5323.0, 5690.0, 5631.0, 5494.0, 5253.0, 5433.0, 5568.0, 5711.0, 5545.0, 5556.0, 5718.0, 5395.0, 5306.0, 5665.0, 5703.0, 5685.0, 5468.0, 5533.0, 5508.0, 5669.0, 5364.0, 5327.0, 5637.0, 5516.0, 5632.0, 5355.0, 5583.0, 5431.0, 5511.0, 5474.0, 5439.0, 5510.0, 5650.0, 5403.0, 5392.0, 5514.0, 5312.0, 5368.0, 5489.0, 5256.0, 5269.0, 5552.0, 5562.0, 5419.0, 5412.0, 5378.0, 5544.0, 5417.0 (number of hits: 19)
29	5530.0	9	1.0	333	1	5398.0, 5314.0, 5518.0, 5304.0, 5606.0, 5411.0, 5638.0, 5375.0, 5514.0, 5290.0, 5454.0, 5372.0, 5581.0, 5315.0, 5679.0, 5467.0, 5397.0, 5366.0, 5532.0, 5385.0, 5660.0, 5477.0, 5598.0, 5590.0, 5636.0, 5538.0, 5284.0, 5510.0, 5716.0, 5553.0, 5453.0, 5367.0, 5360.0, 5489.0, 5324.0, 5362.0, 5437.0, 5599.0, 5618.0, 5442.0, 5312.0, 5692.0, 5626.0, 5322.0, 5418.0, 5302.0, 5383.0, 5593.0, 5402.0, 5669.0, 5480.0, 5688.0, 5722.0, 5648.0, 5328.0, 5702.0, 5588.0, 5625.0, 5374.0, 5308.0, 5440.0, 5633.0, 5695.0, 5396.0, 5469.0, 5711.0, 5517.0, 5487.0, 5270.0, 5294.0, 5276.0, 5476.0, 5478.0, 5479.0, 5499.0, 5423.0, 5458.0, 5607.0, 5696.0, 5527.0,

						5655.0, 5508.0, 5714.0, 5278.0, 5612.0, 5503.0, 5718.0, 5594.0, 5272.0, 5524.0, 5475.0, 5299.0, 5676.0, 5566.0, 5690.0, 5255.0, 5251.0, 5680.0, 5279.0, 5320.0 (number of hits: 13)
30	5530.0	9	1.0	333	1	5707.0, 5551.0, 5464.0, 5314.0, 5642.0, 5403.0, 5540.0, 5576.0, 5603.0, 5632.0, 5659.0, 5465.0, 5477.0, 5588.0, 5281.0, 5533.0, 5572.0, 5574.0, 5720.0, 5309.0, 5439.0, 5358.0, 5517.0, 5304.0, 5275.0, 5512.0, 5541.0, 5669.0, 5714.0, 5469.0, 5684.0, 5450.0, 5273.0, 5552.0, 5686.0, 5722.0, 5328.0, 5429.0, 5385.0, 5302.0, 5619.0, 5703.0, 5388.0, 5322.0, 5525.0, 5559.0, 5445.0, 5315.0, 5673.0, 5570.0, 5586.0, 5547.0, 5472.0, 5486.0, 5402.0, 5362.0, 5307.0, 5434.0, 5569.0, 5503.0, 5573.0, 5421.0, 5536.0, 5413.0, 5591.0, 5474.0, 5624.0, 5671.0, 5430.0, 5458.0, 5332.0, 5482.0, 5715.0, 5692.0, 5470.0, 5457.0, 5263.0, 5274.0, 5493.0, 5491.0, 5708.0, 5610.0, 5267.0, 5654.0, 5269.0, 5638.0, 5520.0, 5549.0, 5497.0, 5490.0, 5550.0, 5609.0, 5280.0, 5647.0, 5433.0, 5286.0, 5334.0, 5432.0, 5360.0, 5301.0 (number of hits: 17)

Client 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	80 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	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	58	1.0	918	1
2	72	1.0	738	1
3	99	1.0	538	1
4	62	1.0	858	1
5	68	1.0	778	1
6	59	1.0	898	1
7	65	1.0	818	1
8	76	1.0	698	1
9	63	1.0	838	1
10	74	1.0	718	0
11	57	1.0	938	1
12	83	1.0	638	1
13	89	1.0	598	1
14	92	1.0	578	1
15	95	1.0	558	1
1	20	1.0	2745	1
2	100	1.0	529	1
3	21	1.0	2612	1
4	54	1.0	993	1
5	20	1.0	2715	1
6	24	1.0	2242	1
7	37	1.0	1430	1
8	31	1.0	1750	1
9	31	1.0	1725	1
10	88	1.0	602	1
11	66	1.0	806	1
12	32	1.0	1654	1
13	76	1.0	699	1
14	24	1.0	2231	1
15	35	1.0	1546	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	29	2.0	205	0
2	24	4.4	157	1
3	23	1.8	180	0
4	27	1.1	204	1
5	26	1.2	220	0
6	23	2.9	157	1
7	28	4.4	163	1
8	25	1.0	179	1
9	25	2.4	169	0
10	25	2.7	227	1
11	27	3.6	211	1
12	26	2.9	215	1
13	27	2.0	208	1
14	29	2.0	168	0
15	28	2.0	206	1
16	28	2.3	221	1
17	23	4.3	224	1
18	24	1.8	183	0
19	25	4.1	200	1
20	23	3.4	214	1
21	23	2.5	155	1
22	27	2.5	156	1
23	27	4.8	187	1
24	29	3.1	192	1
25	27	5.0	214	0
26	29	4.5	153	1
27	27	2.8	175	1
28	25	2.4	187	1
29	29	3.7	163	1
30	26	3.0	191	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	17	7.6	342	1
2	17	6.0	231	1
3	17	8.2	430	1
4	18	9.2	388	0
5	16	9.8	278	1
6	17	6.6	414	0
7	17	8.1	447	1
8	18	6.5	410	1
9	16	8.1	261	1
10	16	6.8	267	1
11	18	8.1	389	1
12	17	10.0	368	1
13	18	8.7	475	1
14	16	6.1	218	1
15	18	7.8	393	1
16	16	6.3	201	0
17	18	6.9	253	1
18	16	9.4	265	1
19	18	9.5	461	1
20	16	7.7	338	0
21	17	8.2	210	1
22	16	7.9	329	0
23	17	7.9	262	1
24	18	9.0	368	1
25	16	7.9	434	1
26	16	6.7	430	1
27	17	7.5	233	1
28	17	9.8	289	1
29	18	7.2	414	0
30	17	7.9	391	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	15.8	485	1
2	16	19.9	219	1
3	16	19.7	368	1
4	12	11.5	316	1
5	15	11.0	247	1
6	14	17.8	454	0
7	16	13.5	245	0
8	16	15.4	314	1
9	16	17.3	400	1
10	13	12.9	312	1
11	16	11.8	380	1
12	13	20.0	247	1
13	13	13.3	352	1
14	15	12.3	295	0
15	13	19.5	407	1
16	12	18.0	450	1
17	15	18.3	348	1
18	12	15.5	462	0
19	16	15.1	450	1
20	13	14.1	469	1
21	15	19.9	440	1
22	12	11.3	394	1
23	14	12.5	297	1
24	15	16.7	282	0
25	13	13.5	429	1
26	15	16.1	250	1
27	12	13.4	215	1
28	15	13.7	257	1
29	16	16.3	454	1
30	12	13.2	437	1
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5498.6	1
12	5498.2	1
13	5494.6	1
14	5498.2	1
15	5495.8	1
16	5497.0	1
17	5496.2	1
18	5493.4	1
19	5498.2	1
20	5495.0	1
21	5506.2	1
22	5507.0	1
23	5501.8	1
24	5501.4	1
25	5504.2	1
26	5503.0	1
27	5502.6	1
28	5503.8	1
29	5501.8	1
30	5501.0	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	6	50.7	1376		0.740416	1
1	1	6	71.7			1.253898	
2	3	6	53.8	1901	1974	1.754385	
3	2	6	68.2	1962		3.370939	
4	3	6	94.3	1414	1352	3.926920	
5	2	6	50.7	1050		4.786915	
6	3	6	92.0	1548	1068	5.188015	
7	1	6	96.5			6.135297	
8	3	6	78.1	1742	1802	7.126754	
9	2	6	94.1	1180		8.529426	
10	2	6	59.4	1600		9.264476	
11	2	6	92.2	1429		9.523476	
12	2	6	70.2	1958		10.788605	
13	3	6	76.3	1195	1890	11.675767	

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	67.5	1511		0.494569	1
1	3	10	94.5	1630	1111	1.231833	
2	1	10	72.5			2.472241	
3	1	10	99.3			2.797004	
4	3	10	68.2	1437	1414	4.381834	
5	2	10	83.3	1522		5.018176	
6	3	10	95.9	1301	1423	5.960391	
7	3	10	65.5	1394	1363	7.157196	
8	3	10	75.8	1874	1034	7.994734	
9	3	10	88.2	1262	1260	8.328759	
10	1	10	56.9			9.443807	
11	1	10	89.7			10.645028	
12	2	10	89.7	1610		11.808591	

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	86.4	1133	1798	0.709002	1
1	2	10	58.3	1105		1.287410	
2	3	10	69.5	1522	1804	2.394935	
3	3	10	77.3	1189	1714	2.737775	
4	2	10	72.3	1771		4.233340	
5	1	10	50.1			4.430230	
6	3	10	89.4	1108	1313	5.524183	
7	1	10	82.0			6.738840	
8	2	10	61.3	1362		7.193009	
9	2	10	55.8	1258		7.867081	
10	2	10	85.5	1015		8.938704	
11	3	10	82.5	1035	1813	10.102062	
12	2	10	64.5	1210		10.297149	
13	1	10	50.1			11.278300	

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	13	99.6			1.126392	1
1	1	13	59.1			2.040354	
2	1	13	65.0			2.465115	
3	2	13	70.8	1574		4.383794	
4	2	13	84.0	1142		5.420010	
5	1	13	90.9			6.061836	
6	2	13	79.7	1743		8.047985	
7	3	13	61.2	1992	1383	9.029325	
8	2	13	70.1	1115		10.587988	
9	2	13	58.8	1043		11.577385	

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	50.7	1999	1061	1.099061	1
1	1	13	65.2			2.327180	
2	2	13	81.8	1507		3.385918	
3	1	13	96.5			5.318223	
4	2	13	63.5	1967		5.479643	
5	1	13	91.9			7.768012	
6	2	13	64.9	1262		8.080737	
7	3	13	76.0	1388	1986	9.404165	
8	3	13	69.1	1420	1252	11.076928	

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	75.1	1312		0.122404	1
1	3	9	65.4	1460	1450	0.922028	
2	1	9	77.8			2.042207	
3	3	9	75.6	1332	1828	2.496703	
4	3	9	94.6	1470	1520	3.357534	
5	1	9	97.5			4.481196	
6	1	9	97.1			4.504670	
7	3	9	95.0	1141	1656	5.894305	
8	3	9	91.3	1279	1249	6.396316	
9	2	9	78.2	1180		6.774670	
10	3	9	51.5	1983	1810	7.753952	
11	2	9	70.5	1263		8.382956	
12	1	9	85.1			9.080428	
13	1	9	75.1			10.329361	
14	2	9	88.0	1173		11.178441	
15	2	9	86.8	1080		11.525254	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	73.9	1118		0.075411	1
1	3	9	54.4	1697	1282	0.779139	
2	1	9	73.2			1.509641	
3	3	9	51.8	1783	1198	2.257021	
4	1	9	57.2			2.796983	
5	1	9	95.4			3.500300	
6	2	9	99.6	1119		3.984177	
7	1	9	93.6			4.219394	
8	2	9	67.0	1536		4.994713	
9	2	9	72.4	1636		5.430378	
10	2	9	52.3	1248		6.389481	
11	2	9	75.4	1146		6.621145	
12	3	9	61.4	1188	1154	7.668182	
13	3	9	57.1	1063	1133	7.809993	
14	2	9	100.0	1830		8.825712	
15	3	9	92.6	1255	1506	9.561756	
16	1	9	85.1			9.600773	
17	1	9	83.9			10.542136	
18	3	9	60.6	1233	1143	11.323160	
19	3	9	54.9	1413	1588	11.652685	

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	5	92.5	1006	1627	0.520342	1
1	2	5	88.5	1266		0.879366	
2	3	5	90.5	1465	1667	1.864720	
3	2	5	98.6	1290		2.335430	
4	2	5	50.3	1926		3.026523	
5	1	5	81.8			3.715759	
6	2	5	51.9	1608		4.173617	
7	2	5	72.0	1964		4.968520	
8	3	5	88.2	1028	1341	5.695382	
9	1	5	88.1			6.553657	
10	3	5	64.9	1442	1406	6.933761	
11	2	5	60.6	1111		7.692648	
12	3	5	61.6	1435	1148	8.282066	
13	2	5	79.1	1950		9.000369	
14	2	5	65.1	1358		9.930921	
15	2	5	50.2	1024		10.439227	
16	2	5	85.9	1135		11.072698	
17	2	5	82.0	1098		11.799422	

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	5	71.4	1890		0.394994	
1	3	5	74.5	1519	1760	1.210093	
2	2	5	61.1	1009		2.002833	
3	3	5	60.6	1614	1406	2.670506	
4	3	5	57.1	1314	1698	3.148616	
5	1	5	54.1			4.067561	
6	2	5	71.0	1218		4.413453	
7	1	5	92.5			5.378981	
8	1	5	62.7			5.670841	1
9	3	5	57.5	1352	1386	6.646917	
10	1	5	80.4			7.133020	
11	1	5	93.6			8.175283	
12	2	5	53.1	1168		8.972874	
13	1	5	68.6			9.566714	
14	1	5	63.9			9.949227	
15	2	5	74.7	1762		11.020918	
16	2	5	58.0	1101		11.538026	

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	7	50.5	1025	1238	0.572898	
1	1	7	89.5			1.100105	
2	3	7	62.8	1025	1691	1.605997	
3	3	7	51.1	1174	1596	2.962714	
4	2	7	98.3	1011		3.019434	
5	1	7	86.2			3.927487	
6	1	7	62.1			4.686901	
7	3	7	72.2	1011	1550	5.538423	1
8	3	7	67.0	1376	1833	6.481185	
9	2	7	82.8	1816		6.889467	
10	2	7	97.9	1639		7.975458	
11	2	7	65.4	1545		8.419745	
12	2	7	78.5	1631		9.676906	
13	3	7	93.8	1047	1204	9.944781	
14	2	7	64.6	1947		10.596629	
15	2	7	98.6	1609		11.442332	

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	87.7			0.402913	
1	2	19	88.6	1153		2.444563	
2	2	19	74.0	1240		3.014569	
3	1	19	77.7			4.255992	
4	2	19	73.6	1120		5.580300	1
5	3	19	55.8	1015	1613	7.738204	
6	3	19	52.9	1757	1599	9.060780	
7	1	19	52.7			10.405213	
8	3	19	55.8	1243	1756	10.869867	

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	18	71.4	1435	1950	1.001687	
1	3	18	87.2	1766	1578	2.538274	
2	2	18	77.6	1052		3.327831	
3	3	18	63.8	1415	1799	4.374493	
4	2	18	93.5	1281		6.247337	1
5	1	18	84.1			7.748763	
6	2	18	72.5	1683		8.191609	
7	3	18	59.6	1438	1503	9.368927	
8	2	18	80.3	1094		11.882541	

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	85.8	1158	1933	0.475054	1
1	1	9	76.5			1.570468	
2	1	9	72.4			2.542034	
3	2	9	55.2	1772		3.127304	
4	2	9	73.9	1750		4.144502	
5	2	9	80.1	1207		4.295370	
6	2	9	84.9	1277		5.385817	
7	1	9	90.4			6.285570	
8	3	9	94.5	1478	1388	7.336907	
9	2	9	70.2	1604		7.897854	
10	2	9	64.5	1464		9.122927	
11	2	9	84.9	1929		9.797248	
12	1	9	70.8			10.532131	
13	2	9	62.0	1851		11.211758	

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	89.1	1926		0.366640	1
1	2	18	69.9	1808		0.990624	
2	1	18	96.8			1.959823	
3	1	18	58.5			2.820767	
4	2	18	77.1	1381		3.947898	
5	1	18	88.4			4.735580	
6	3	18	91.4	1848	1971	5.286425	
7	1	18	73.5			6.151088	
8	3	18	74.8	1414	1148	6.948158	
9	2	18	83.7	1556		7.508215	
10	2	18	51.9	1648		8.727660	
11	1	18	56.4			9.125785	
12	2	18	52.0	1474		9.981616	
13	3	18	80.9	1542	1905	11.010627	
14	3	18	77.9	1565	1534	11.297741	

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	12	50.3	1003		1.306933	1
1	2	12	74.1	1249		2.061861	
2	3	12	84.4	1341	1569	3.623996	
3	2	12	85.1	2000		4.294920	
4	2	12	79.0	1241		6.204459	
5	2	12	84.1	1263		7.004557	
6	2	12	80.0	1920		9.066899	
7	3	12	86.0	1116	1523	10.332183	
8	1	12	98.7			11.221827	

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	15	76.1	1863	1519	0.699991	1
1	2	15	71.7	1733		1.082221	
2	2	15	52.4	1618		2.270968	
3	1	15	90.9			3.471566	
4	1	15	94.0			4.329210	
5	2	15	74.2	1347		5.116719	
6	1	15	97.6			5.894806	
7	3	15	53.9	1897	1360	6.995182	
8	3	15	95.7	1324	1661	7.794079	
9	2	15	76.5	1946		8.817222	
10	2	15	58.1	1172		9.924196	
11	1	15	86.6			10.695471	
12	2	15	63.0	1459		11.964349	

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	13	62.0	1328		0.063677	
1	2	13	54.9	1229		1.128369	
2	3	13	89.6	1180	1324	1.876971	
3	2	13	67.5	1436		2.778475	
4	2	13	81.4	1483		4.172756	
5	2	13	70.8	1844		5.033603	
6	2	13	82.8	1825		5.900061	1
7	2	13	97.0	1234		6.506750	
8	2	13	80.6	1799		7.905350	
9	2	13	61.9	1476		8.472810	
10	2	13	97.3	1501		9.324214	
11	1	13	67.4			10.723731	
12	2	13	81.8	1592		11.090549	

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	92.8	1540		0.127179	
1	2	6	97.1	1594		1.883402	
2	3	6	67.9	1123	1528	3.100707	
3	2	6	69.8	1592		5.963285	
4	2	6	78.8	1482		6.154573	1
5	2	6	95.4	1714		8.597742	
6	2	6	91.7	1855		9.557480	
7	2	6	99.4	1728		11.682299	

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	80.6	1302		0.674080	1
1	3	18	77.1	1331	1234	1.633855	
2	1	18	90.4			1.760387	
3	2	18	84.1	1993		2.869011	
4	2	18	57.9	1217		3.442752	
5	1	18	73.0			4.524731	
6	3	18	54.3	1049	1439	5.706455	
7	3	18	61.7	1641	1263	6.825202	
8	1	18	55.7			7.601574	
9	1	18	90.9			8.528572	
10	2	18	60.9	1003		9.145859	
11	2	18	75.8	1809		9.821074	
12	2	18	71.3	1999		10.708125	
13	2	18	62.5	1498		11.205705	

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	10	53.0	1606		0.895064	1
1	2	10	83.8	1665		1.749246	
2	1	10	85.7			3.011638	
3	1	10	72.8			3.830580	
4	1	10	63.0			4.699657	
5	1	10	86.8			6.303082	
6	2	10	62.0	1854		7.268161	
7	2	10	61.7	1696		7.697911	
8	1	10	60.1			8.881692	
9	2	10	82.3	1717		10.884861	
10	3	10	54.8	1055	1990	11.021781	

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	7	97.1	1635		0.813798	
1	2	7	96.1	1511		1.604642	
2	2	7	76.9	1598		2.745066	
3	3	7	95.8	1899	1365	3.684608	
4	1	7	73.0			4.547848	
5	1	7	86.8			5.086211	
6	2	7	57.5	1481		5.803835	1
7	2	7	66.5	1298		7.086539	
8	2	7	81.6	1209		8.280366	
9	2	7	54.0	1784		8.566823	
10	2	7	76.1	1530		9.701703	
11	1	7	98.6			10.996439	
12	2	7	92.2	1475		11.428490	

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	5	76.0			0.783235	
1	1	5	71.1			1.636237	
2	2	5	53.3	1693		3.074996	
3	1	5	74.1			4.042827	
4	2	5	78.8	1996		5.362809	
5	1	5	69.9			6.464623	1
6	3	5	76.2	1460	1648	6.988664	
7	1	5	82.1			8.540627	
8	1	5	86.9			9.016258	
9	3	5	53.1	1654	1004	10.693803	
10	3	5	77.3	1721	1144	11.677207	

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	96.2	1827		0.365232	
1	1	18	93.9			1.149505	
2	1	18	78.3			1.416202	
3	1	18	94.5			2.433462	
4	2	18	67.0	1485		2.950788	
5	3	18	79.2	1510	1785	3.705558	
6	1	18	78.2			4.135465	
7	2	18	61.4	1097		4.701537	
8	1	18	61.8			5.087905	
9	3	18	88.0	1152	1295	6.290935	1
10	1	18	70.5			6.554724	
11	2	18	54.0	1018		7.417074	
12	1	18	68.6			7.814894	
13	1	18	81.0			8.744256	
14	3	18	74.3	1438	1257	9.271683	
15	2	18	69.0	1550		9.702509	
16	1	18	60.2			10.512222	
17	2	18	81.5	1348		10.792756	
18	3	18	60.8	1797	1480	11.427270	

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	19	70.6			1.190851	
1	1	19	77.1			1.908568	
2	1	19	91.9			3.425898	
3	2	19	71.2	1472		3.794480	
4	1	19	76.3			5.227851	
5	2	19	82.6	1414		6.178613	1
6	2	19	94.3	1763		7.297002	
7	3	19	83.9	1328	1415	8.519475	
8	3	19	99.2	1740	1035	10.651653	
9	2	19	50.0	1721		10.817860	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	88.8	1193	1421	0.584368	1
1	1	12	96.4			2.936707	
2	2	12	66.5	1049		3.300306	
3	1	12	83.8			5.476288	
4	2	12	65.9	1339		6.695116	
5	2	12	63.2	1764		7.996255	
6	2	12	78.9	1929		9.371586	
7	3	12	66.0	1041	1831	11.156489	

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	87.3	1055		0.599635	1
1	2	15	57.5	1641		1.116569	
2	2	15	59.2	1307		1.613256	
3	3	15	82.9	1640	1812	2.488075	
4	2	15	90.6	1383		3.007789	
5	3	15	94.4	1541	1876	3.656242	
6	3	15	81.9	1319	1014	4.180981	
7	2	15	86.8	1081		4.702200	
8	2	15	75.4	1719		5.543136	
9	3	15	70.2	1389	1282	5.743955	
10	1	15	79.0			6.768423	
11	3	15	69.8	1869	1477	7.110637	
12	1	15	62.1			8.061209	
13	2	15	77.1	1732		8.591191	
14	3	15	67.5	1857	1861	9.135288	
15	2	15	94.1	1246		9.956907	
16	1	15	82.3			10.682590	
17	3	15	68.4	1795	1530	11.158566	
18	2	15	75.0	1363		11.750006	

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	54.7			0.701133	1
1	2	16	81.7	1321		1.676918	
2	3	16	90.7	1955	1017	2.716964	
3	1	16	65.2			4.254684	
4	3	16	56.1	1458	1320	5.660529	
5	1	16	64.0			6.750474	
6	2	16	55.3	1576		7.830120	
7	2	16	66.3	1415		9.391350	
8	2	16	70.4	1216		10.249878	
9	2	16	67.4	1763		11.364164	

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	13	50.1	1067		0.560870	1
1	2	13	71.1	1781		1.510484	
2	3	13	73.6	1504	1163	1.970375	
3	2	13	83.5	1872		3.236878	
4	3	13	70.4	1870	1120	3.838016	
5	2	13	63.2	1945		4.324839	
6	1	13	98.6			5.599646	
7	3	13	72.1	1282	1178	6.629953	
8	2	13	88.1	1495		7.159292	
9	2	13	65.0	1120		8.205749	
10	2	13	79.2	1798		8.771804	
11	3	13	68.0	1956	1194	9.593303	
12	2	13	52.4	1479		10.669816	
13	2	13	81.5	1721		11.658986	

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	59.6	1592		0.000088	1
1	2	18	60.2	1913		0.892530	
2	2	18	83.1	1749		1.319777	
3	3	18	59.6	1726	1600	2.384693	
4	3	18	82.3	1397	1472	2.538348	
5	2	18	58.3	1328		3.249443	
6	2	18	51.9	1515		3.909977	
7	3	18	82.8	1556	1583	4.776683	
8	1	18	91.5			4.977719	
9	1	18	64.3			5.408624	
10	3	18	60.1	1894	1655	6.088646	
11	2	18	80.7	1295		6.709355	
12	3	18	64.0	1979	1011	7.693748	
13	2	18	62.3	1500		8.323069	
14	1	18	72.0			8.653824	
15	1	18	59.7			9.245814	
16	1	18	54.2			9.654781	
17	3	18	93.1	1776	1571	10.476533	
18	2	18	91.8	1915		11.149133	
19	2	18	79.1	1083		11.855537	

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	20	51.7	1170	1409	0.413126	
1	2	20	55.4	1637		1.222470	
2	1	20	96.9			1.639868	
3	3	20	68.4	1285	1777	2.701427	
4	1	20	91.4			3.400708	
5	3	20	73.9	1730	1052	3.814906	
6	2	20	80.4	1204		4.515706	
7	3	20	72.7	1343	1730	5.507739	
8	1	20	60.6			5.850651	1
9	1	20	65.4			6.886222	
10	2	20	57.6	1034		7.555471	
11	2	20	85.4	1088		7.776055	
12	2	20	94.7	1263		8.631125	
13	1	20	60.2			9.420342	
14	1	20	78.5			10.083596	
15	2	20	70.6	1626		11.016980	
16	3	20	91.0	1350	1692	11.459041	

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	5293.0, 5330.0, 5716.0, 5557.0, 5423.0, 5523.0, 5679.0, 5568.0, 5406.0, 5483.0, 5404.0, 5393.0, 5322.0, 5471.0, 5654.0, 5548.0, 5574.0, 5577.0, 5387.0, 5314.0, 5593.0, 5298.0, 5638.0, 5713.0, 5621.0, 5703.0, 5550.0, 5254.0, 5496.0, 5444.0, 5505.0, 5670.0, 5326.0, 5611.0, 5433.0, 5467.0, 5688.0, 5333.0, 5607.0, 5482.0, 5364.0, 5585.0, 5312.0, 5435.0, 5291.0, 5421.0, 5431.0, 5391.0, 5662.0, 5481.0, 5719.0, 5341.0, 5295.0, 5374.0, 5645.0, 5673.0, 5329.0, 5489.0, 5541.0, 5594.0, 5629.0, 5717.0, 5576.0, 5475.0, 5511.0, 5527.0, 5513.0, 5553.0, 5647.0, 5355.0, 5595.0, 5648.0, 5278.0, 5531.0, 5361.0, 5546.0, 5674.0, 5460.0, 5297.0, 5372.0, 5352.0, 5311.0, 5310.0, 5339.0, 5412.0, 5587.0, 5542.0, 5686.0, 5456.0, 5555.0, 5659.0, 5675.0, 5599.0, 5407.0, 5656.0, 5625.0, 5402.0, 5473.0, 5506.0, 5288.0 (number of hits: 3)
2	5500.0	9	1.0	333	1	5436.0, 5523.0, 5481.0, 5692.0, 5382.0, 5323.0, 5363.0, 5591.0, 5373.0, 5292.0, 5678.0, 5380.0, 5432.0, 5422.0, 5610.0, 5511.0, 5365.0, 5309.0, 5378.0, 5250.0, 5645.0, 5421.0, 5616.0, 5672.0, 5429.0, 5446.0, 5290.0, 5651.0, 5456.0, 5594.0, 5695.0, 5392.0, 5356.0, 5689.0, 5418.0, 5480.0, 5578.0, 5445.0, 5633.0, 5396.0, 5564.0, 5501.0, 5571.0, 5688.0, 5478.0, 5638.0, 5568.0, 5515.0, 5443.0, 5533.0, 5712.0, 5628.0, 5462.0, 5416.0, 5372.0, 5614.0, 5498.0, 5488.0, 5703.0, 5387.0, 5419.0, 5460.0, 5563.0, 5494.0, 5704.0, 5527.0, 5719.0, 5366.0, 5509.0, 5581.0, 5391.0, 5609.0, 5352.0, 5680.0, 5314.0, 5512.0, 5364.0, 5394.0, 5367.0, 5588.0, 5522.0, 5537.0, 5401.0, 5664.0, 5275.0, 5342.0, 5624.0, 5466.0, 5359.0, 5677.0, 5397.0, 5318.0, 5306.0, 5540.0, 5335.0, 5354.0, 5487.0, 5699.0, 5497.0, 5374.0 (number of hits: 4)
3	5500.0	9	1.0	333	0	
4	5500.0	9	1.0	333	1	5678.0, 5347.0, 5666.0, 5419.0, 5268.0, 5397.0, 5526.0, 5632.0, 5658.0, 5410.0, 5308.0, 5263.0, 5444.0, 5539.0, 5255.0, 5470.0, 5296.0, 5720.0, 5559.0, 5668.0, 5654.0, 5691.0, 5460.0, 5679.0, 5523.0, 5592.0, 5706.0, 5316.0, 5672.0, 5406.0, 5591.0, 5389.0, 5538.0, 5463.0, 5508.0, 5670.0, 5647.0, 5267.0, 5290.0, 5657.0, 5543.0, 5433.0, 5541.0, 5671.0, 5590.0, 5564.0, 5681.0, 5586.0, 5273.0, 5626.0, 5415.0, 5432.0, 5509.0, 5597.0, 5553.0, 5378.0, 5707.0, 5407.0, 5646.0, 5323.0, 5269.0, 5667.0, 5610.0, 5333.0, 5265.0, 5561.0, 5708.0, 5328.0, 5519.0, 5613.0, 5299.0, 5369.0, 5422.0, 5510.0, 5403.0, 5694.0, 5513.0, 5372.0, 5549.0, 5628.0, 5589.0, 5359.0, 5361.0, 5631.0, 5717.0, 5722.0, 5447.0, 5630.0, 5639.0, 5614.0, 5511.0, 5661.0, 5360.0, 5413.0, 5424.0, 5641.0, 5563.0, 5547.0, 5562.0, 5375.0 (number of hits: 1)
5	5500.0	9	1.0	333	1	5253.0, 5512.0, 5583.0, 5590.0, 5332.0, 5506.0, 5646.0, 5493.0, 5663.0, 5539.0, 5261.0, 5312.0, 5486.0, 5600.0, 5336.0, 5489.0, 5472.0, 5454.0, 5291.0, 5643.0, 5437.0, 5604.0, 5361.0, 5570.0, 5323.0, 5445.0, 5368.0, 5540.0, 5616.0, 5695.0, 5279.0, 5306.0, 5563.0, 5414.0, 5586.0, 5375.0, 5468.0, 5521.0, 5557.0, 5347.0, 5610.0, 5264.0, 5470.0, 5319.0, 5372.0, 5544.0, 5589.0, 5373.0, 5533.0, 5363.0, 5548.0, 5434.0, 5318.0, 5584.0, 5569.0, 5377.0,

						5354.0, 5573.0, 5561.0, 5309.0, 5647.0, 5627.0, 5369.0, 5265.0, 5311.0, 5527.0, 5386.0, 5268.0, 5496.0, 5572.0, 5269.0, 5286.0, 5662.0, 5514.0, 5283.0, 5578.0, 5605.0, 5462.0, 5408.0, 5407.0, 5281.0, 5341.0, 5420.0, 5479.0, 5364.0, 5526.0, 5644.0, 5381.0, 5503.0, 5681.0, 5601.0, 5497.0, 5320.0, 5552.0, 5334.0, 5691.0, 5648.0, 5545.0, 5722.0, 5612.0 (number of hits: 5)
6	5500.0	9	1.0	333	1	5346.0, 5313.0, 5288.0, 5376.0, 5432.0, 5583.0, 5408.0, 5271.0, 5265.0, 5537.0, 5284.0, 5469.0, 5712.0, 5709.0, 5473.0, 5285.0, 5380.0, 5621.0, 5573.0, 5268.0, 5619.0, 5628.0, 5337.0, 5402.0, 5697.0, 5689.0, 5629.0, 5445.0, 5302.0, 5499.0, 5470.0, 5533.0, 5592.0, 5310.0, 5332.0, 5575.0, 5368.0, 5514.0, 5550.0, 5308.0, 5464.0, 5477.0, 5519.0, 5584.0, 5686.0, 5693.0, 5613.0, 5458.0, 5459.0, 5439.0, 5540.0, 5627.0, 5700.0, 5682.0, 5289.0, 5574.0, 5647.0, 5362.0, 5424.0, 5554.0, 5601.0, 5663.0, 5698.0, 5664.0, 5301.0, 5570.0, 5515.0, 5502.0, 5673.0, 5524.0, 5409.0, 5414.0, 5307.0, 5474.0, 5600.0, 5702.0, 5427.0, 5611.0, 5547.0, 5411.0, 5532.0, 5250.0, 5420.0, 5278.0, 5566.0, 5723.0, 5653.0, 5720.0, 5423.0, 5590.0, 5623.0, 5480.0, 5616.0, 5462.0, 5589.0, 5530.0, 5387.0, 5598.0, 5454.0, 5534.0 (number of hits: 2)
7	5500.0	9	1.0	333	1	5284.0, 5352.0, 5390.0, 5321.0, 5355.0, 5325.0, 5328.0, 5481.0, 5336.0, 5409.0, 5523.0, 5544.0, 5319.0, 5580.0, 5388.0, 5351.0, 5449.0, 5577.0, 5647.0, 5281.0, 5543.0, 5526.0, 5303.0, 5487.0, 5525.0, 5301.0, 5300.0, 5397.0, 5259.0, 5366.0, 5642.0, 5548.0, 5340.0, 5345.0, 5556.0, 5434.0, 5338.0, 5387.0, 5691.0, 5639.0, 5661.0, 5656.0, 5330.0, 5466.0, 5272.0, 5451.0, 5305.0, 5267.0, 5540.0, 5518.0, 5635.0, 5700.0, 5428.0, 5611.0, 5723.0, 5318.0, 5333.0, 5433.0, 5507.0, 5545.0, 5371.0, 5559.0, 5509.0, 5567.0, 5685.0, 5320.0, 5500.0, 5606.0, 5288.0, 5695.0, 5628.0, 5702.0, 5508.0, 5298.0, 5476.0, 5528.0, 5480.0, 5405.0, 5313.0, 5638.0, 5620.0, 5654.0, 5361.0, 5505.0, 5465.0, 5600.0, 5674.0, 5653.0, 5373.0, 5588.0, 5392.0, 5595.0, 5368.0, 5308.0, 5402.0, 5257.0, 5659.0, 5603.0, 5251.0, 5532.0 (number of hits: 4)
8	5500.0	9	1.0	333	1	5558.0, 5361.0, 5559.0, 5480.0, 5259.0, 5598.0, 5320.0, 5526.0, 5509.0, 5600.0, 5325.0, 5667.0, 5287.0, 5708.0, 5596.0, 5603.0, 5338.0, 5608.0, 5308.0, 5640.0, 5442.0, 5290.0, 5432.0, 5679.0, 5613.0, 5261.0, 5326.0, 5346.0, 5343.0, 5567.0, 5367.0, 5636.0, 5649.0, 5508.0, 5547.0, 5444.0, 5550.0, 5644.0, 5342.0, 5610.0, 5409.0, 5435.0, 5267.0, 5545.0, 5529.0, 5471.0, 5535.0, 5292.0, 5300.0, 5403.0, 5339.0, 5302.0, 5572.0, 5348.0, 5678.0, 5364.0, 5635.0, 5589.0, 5536.0, 5662.0, 5660.0, 5661.0, 5390.0, 5504.0, 5373.0, 5532.0, 5374.0, 5458.0, 5472.0, 5593.0, 5689.0, 5641.0, 5258.0, 5449.0, 5580.0, 5470.0, 5723.0, 5309.0, 5498.0, 5375.0, 5584.0, 5568.0, 5314.0, 5710.0, 5352.0, 5546.0, 5654.0, 5658.0, 5294.0, 5278.0, 5460.0, 5537.0, 5462.0, 5283.0, 5349.0, 5671.0, 5412.0, 5396.0, 5695.0, 5405.0 (number of hits: 3)
9	5500.0	9	1.0	333	1	5507.0, 5499.0, 5455.0, 5639.0, 5641.0, 5257.0, 5650.0, 5389.0, 5661.0, 5418.0, 5608.0, 5668.0, 5611.0, 5586.0, 5401.0, 5358.0, 5654.0, 5326.0, 5444.0, 5581.0, 5356.0, 5330.0, 5540.0, 5572.0, 5397.0, 5380.0, 5482.0, 5561.0, 5346.0, 5345.0, 5393.0, 5656.0, 5582.0, 5705.0, 5283.0, 5621.0, 5600.0, 5462.0, 5557.0, 5327.0, 5465.0, 5284.0, 5497.0, 5551.0, 5699.0, 5287.0, 5363.0, 5466.0, 5325.0, 5669.0, 5463.0, 5379.0, 5523.0, 5377.0, 5514.0, 5659.0, 5542.0, 5619.0, 5605.0, 5645.0, 5648.0, 5500.0, 5530.0,

						5580.0, 5421.0, 5261.0, 5410.0, 5660.0, 5335.0, 5404.0, 5676.0, 5681.0, 5450.0, 5631.0, 5629.0, 5484.0, 5560.0, 5343.0, 5515.0, 5304.0, 5674.0, 5448.0, 5719.0, 5520.0, 5494.0, 5590.0, 5532.0, 5350.0, 5712.0, 5536.0, 5321.0, 5717.0, 5521.0, 5365.0, 5663.0, 5575.0, 5391.0, 5371.0, 5293.0, 5488.0 (number of hits: 5)
10	5500.0	9	1.0	333	1	5587.0, 5592.0, 5498.0, 5408.0, 5347.0, 5334.0, 5323.0, 5702.0, 5707.0, 5441.0, 5532.0, 5672.0, 5462.0, 5342.0, 5259.0, 5570.0, 5258.0, 5617.0, 5264.0, 5502.0, 5618.0, 5534.0, 5619.0, 5291.0, 5434.0, 5410.0, 5687.0, 5376.0, 5327.0, 5383.0, 5303.0, 5436.0, 5276.0, 5448.0, 5479.0, 5272.0, 5425.0, 5451.0, 5432.0, 5590.0, 5427.0, 5293.0, 5332.0, 5654.0, 5277.0, 5549.0, 5612.0, 5317.0, 5677.0, 5571.0, 5710.0, 5664.0, 5724.0, 5319.0, 5638.0, 5385.0, 5338.0, 5700.0, 5575.0, 5507.0, 5370.0, 5674.0, 5567.0, 5322.0, 5395.0, 5474.0, 5505.0, 5681.0, 5491.0, 5711.0, 5655.0, 5279.0, 5560.0, 5572.0, 5605.0, 5367.0, 5569.0, 5458.0, 5668.0, 5400.0, 5657.0, 5561.0, 5584.0, 5635.0, 5311.0, 5480.0, 5253.0, 5585.0, 5615.0, 5389.0, 5403.0, 5390.0, 5281.0, 5297.0, 5669.0, 5298.0, 5450.0, 5307.0, 5510.0, 5282.0 (number of hits: 5)
11	5500.0	9	1.0	333	1	5716.0, 5524.0, 5697.0, 5547.0, 5597.0, 5510.0, 5477.0, 5258.0, 5642.0, 5318.0, 5688.0, 5722.0, 5359.0, 5650.0, 5614.0, 5314.0, 5552.0, 5555.0, 5625.0, 5478.0, 5304.0, 5630.0, 5551.0, 5333.0, 5528.0, 5443.0, 5714.0, 5385.0, 5563.0, 5634.0, 5289.0, 5438.0, 5278.0, 5468.0, 5414.0, 5251.0, 5368.0, 5579.0, 5567.0, 5413.0, 5470.0, 5410.0, 5281.0, 5407.0, 5545.0, 5610.0, 5573.0, 5657.0, 5527.0, 5263.0, 5674.0, 5346.0, 5284.0, 5460.0, 5324.0, 5444.0, 5285.0, 5361.0, 5612.0, 5288.0, 5605.0, 5598.0, 5706.0, 5712.0, 5290.0, 5353.0, 5399.0, 5435.0, 5613.0, 5548.0, 5360.0, 5401.0, 5637.0, 5629.0, 5416.0, 5514.0, 5286.0, 5440.0, 5355.0, 5611.0, 5653.0, 5601.0, 5255.0, 5680.0, 5404.0, 5577.0, 5487.0, 5331.0, 5371.0, 5594.0, 5328.0, 5522.0, 5535.0, 5689.0, 5265.0, 5669.0, 5501.0, 5326.0, 5499.0, 5631.0 (number of hits: 2)
12	5500.0	9	1.0	333	1	5354.0, 5470.0, 5667.0, 5491.0, 5318.0, 5514.0, 5399.0, 5523.0, 5557.0, 5337.0, 5538.0, 5460.0, 5444.0, 5467.0, 5544.0, 5632.0, 5289.0, 5715.0, 5622.0, 5290.0, 5382.0, 5253.0, 5518.0, 5472.0, 5531.0, 5304.0, 5288.0, 5400.0, 5645.0, 5516.0, 5447.0, 5271.0, 5395.0, 5698.0, 5266.0, 5492.0, 5695.0, 5624.0, 5314.0, 5561.0, 5432.0, 5423.0, 5642.0, 5616.0, 5687.0, 5700.0, 5311.0, 5438.0, 5408.0, 5280.0, 5530.0, 5404.0, 5520.0, 5412.0, 5506.0, 5298.0, 5403.0, 5640.0, 5473.0, 5305.0, 5442.0, 5389.0, 5659.0, 5332.0, 5339.0, 5324.0, 5378.0, 5550.0, 5711.0, 5610.0, 5471.0, 5718.0, 5673.0, 5321.0, 5526.0, 5540.0, 5676.0, 5346.0, 5306.0, 5647.0, 5366.0, 5549.0, 5456.0, 5259.0, 5536.0, 5283.0, 5615.0, 5396.0, 5255.0, 5598.0, 5599.0, 5499.0, 5587.0, 5433.0, 5379.0, 5413.0, 5682.0, 5466.0, 5435.0, 5593.0 (number of hits: 4)
13	5500.0	9	1.0	333	0	
14	5500.0	9	1.0	333	1	5663.0, 5351.0, 5613.0, 5364.0, 5474.0, 5266.0, 5358.0, 5620.0, 5653.0, 5586.0, 5330.0, 5689.0, 5332.0, 5320.0, 5528.0, 5540.0, 5665.0, 5449.0, 5712.0, 5705.0, 5291.0, 5487.0, 5453.0, 5362.0, 5651.0, 5619.0, 5556.0, 5289.0, 5630.0, 5339.0, 5525.0, 5489.0, 5253.0, 5417.0, 5389.0, 5597.0, 5629.0, 5538.0, 5652.0, 5319.0, 5699.0, 5306.0, 5518.0, 5396.0, 5346.0, 5506.0, 5648.0, 5662.0, 5350.0, 5717.0, 5555.0, 5674.0, 5553.0, 5258.0, 5447.0, 5656.0, 5563.0, 5542.0, 5442.0, 5669.0, 5254.0, 5484.0, 5696.0,

						5704.0, 5616.0, 5637.0, 5709.0, 5299.0, 5498.0, 5478.0, 5530.0, 5681.0, 5410.0, 5499.0, 5390.0, 5714.0, 5329.0, 5703.0, 5287.0, 5590.0, 5458.0, 5267.0, 5599.0, 5519.0, 5469.0, 5353.0, 5467.0, 5641.0, 5420.0, 5344.0, 5673.0, 5592.0, 5657.0, 5463.0, 5315.0, 5514.0, 5334.0, 5285.0, 5582.0, 5434.0 (number of hits: 3)
15	5500.0	9	1.0	333	1	5350.0, 5271.0, 5516.0, 5548.0, 5451.0, 5453.0, 5519.0, 5456.0, 5472.0, 5390.0, 5438.0, 5454.0, 5685.0, 5496.0, 5394.0, 5354.0, 5300.0, 5613.0, 5258.0, 5701.0, 5510.0, 5367.0, 5645.0, 5263.0, 5709.0, 5666.0, 5278.0, 5718.0, 5328.0, 5366.0, 5469.0, 5389.0, 5448.0, 5716.0, 5586.0, 5712.0, 5618.0, 5505.0, 5724.0, 5539.0, 5561.0, 5471.0, 5375.0, 5567.0, 5695.0, 5398.0, 5342.0, 5412.0, 5455.0, 5610.0, 5656.0, 5520.0, 5257.0, 5708.0, 5334.0, 5522.0, 5302.0, 5406.0, 5542.0, 5252.0, 5547.0, 5386.0, 5259.0, 5648.0, 5553.0, 5274.0, 5378.0, 5303.0, 5385.0, 5625.0, 5428.0, 5543.0, 5429.0, 5587.0, 5653.0, 5684.0, 5381.0, 5423.0, 5427.0, 5363.0, 5457.0, 5605.0, 5467.0, 5449.0, 5554.0, 5651.0, 5458.0, 5581.0, 5512.0, 5706.0, 5679.0, 5315.0, 5465.0, 5491.0, 5287.0, 5436.0, 5480.0, 5297.0, 5483.0, 5637.0 (number of hits: 3)
16	5500.0	9	1.0	333	1	5677.0, 5263.0, 5713.0, 5588.0, 5399.0, 5551.0, 5614.0, 5376.0, 5255.0, 5377.0, 5553.0, 5633.0, 5496.0, 5501.0, 5468.0, 5409.0, 5311.0, 5589.0, 5608.0, 5355.0, 5541.0, 5453.0, 5268.0, 5420.0, 5401.0, 5402.0, 5654.0, 5678.0, 5655.0, 5565.0, 5396.0, 5435.0, 5524.0, 5478.0, 5626.0, 5488.0, 5458.0, 5507.0, 5381.0, 5555.0, 5322.0, 5579.0, 5270.0, 5413.0, 5694.0, 5328.0, 5656.0, 5487.0, 5662.0, 5472.0, 5330.0, 5362.0, 5689.0, 5491.0, 5699.0, 5704.0, 5290.0, 5514.0, 5297.0, 5577.0, 5587.0, 5394.0, 5367.0, 5421.0, 5407.0, 5567.0, 5342.0, 5388.0, 5331.0, 5623.0, 5517.0, 5721.0, 5441.0, 5274.0, 5548.0, 5276.0, 5632.0, 5422.0, 5562.0, 5595.0, 5456.0, 5485.0, 5313.0, 5504.0, 5286.0, 5584.0, 5643.0, 5357.0, 5459.0, 5701.0, 5611.0, 5597.0, 5486.0, 5327.0, 5557.0, 5510.0, 5298.0, 5619.0, 5302.0, 5559.0 (number of hits: 5)
17	5500.0	9	1.0	333	1	5453.0, 5479.0, 5566.0, 5277.0, 5388.0, 5512.0, 5560.0, 5589.0, 5614.0, 5507.0, 5633.0, 5418.0, 5268.0, 5435.0, 5480.0, 5272.0, 5590.0, 5372.0, 5676.0, 5311.0, 5347.0, 5250.0, 5351.0, 5260.0, 5444.0, 5594.0, 5714.0, 5571.0, 5580.0, 5286.0, 5267.0, 5391.0, 5461.0, 5671.0, 5514.0, 5283.0, 5454.0, 5504.0, 5533.0, 5712.0, 5642.0, 5446.0, 5293.0, 5616.0, 5585.0, 5330.0, 5350.0, 5476.0, 5559.0, 5471.0, 5645.0, 5287.0, 5489.0, 5295.0, 5667.0, 5627.0, 5516.0, 5262.0, 5536.0, 5535.0, 5261.0, 5588.0, 5409.0, 5333.0, 5432.0, 5280.0, 5380.0, 5376.0, 5401.0, 5337.0, 5547.0, 5319.0, 5691.0, 5395.0, 5692.0, 5419.0, 5285.0, 5447.0, 5442.0, 5374.0, 5292.0, 5296.0, 5523.0, 5608.0, 5271.0, 5420.0, 5484.0, 5334.0, 5631.0, 5291.0, 5306.0, 5326.0, 5668.0, 5323.0, 5254.0, 5636.0, 5369.0, 5378.0, 5441.0, 5545.0 (number of hits: 2)
18	5500.0	9	1.0	333	1	5345.0, 5532.0, 5579.0, 5317.0, 5599.0, 5311.0, 5439.0, 5585.0, 5569.0, 5633.0, 5621.0, 5505.0, 5609.0, 5410.0, 5648.0, 5596.0, 5282.0, 5489.0, 5479.0, 5302.0, 5431.0, 5495.0, 5521.0, 5313.0, 5722.0, 5717.0, 5411.0, 5456.0, 5265.0, 5697.0, 5673.0, 5567.0, 5497.0, 5469.0, 5653.0, 5406.0, 5446.0, 5512.0, 5352.0, 5258.0, 5358.0, 5508.0, 5290.0, 5418.0, 5589.0, 5401.0, 5362.0, 5555.0, 5540.0, 5294.0, 5296.0, 5672.0, 5500.0, 5255.0, 5344.0, 5285.0, 5438.0, 5353.0, 5605.0, 5254.0, 5407.0, 5462.0, 5646.0, 5474.0, 5522.0, 5637.0, 5664.0, 5484.0, 5464.0, 5341.0,

						5692.0, 5629.0, 5606.0, 5534.0, 5490.0, 5398.0, 5295.0, 5357.0, 5721.0, 5450.0, 5391.0, 5423.0, 5694.0, 5702.0, 5363.0, 5376.0, 5364.0, 5269.0, 5688.0, 5382.0, 5373.0, 5470.0, 5403.0, 5259.0, 5668.0, 5693.0, 5546.0, 5636.0, 5699.0, 5284.0 (number of hits: 5)
19	5500.0	9	1.0	333	1	5515.0, 5484.0, 5470.0, 5518.0, 5251.0, 5590.0, 5493.0, 5511.0, 5258.0, 5381.0, 5554.0, 5353.0, 5712.0, 5435.0, 5334.0, 5272.0, 5314.0, 5631.0, 5597.0, 5476.0, 5358.0, 5542.0, 5577.0, 5613.0, 5560.0, 5483.0, 5547.0, 5522.0, 5406.0, 5299.0, 5621.0, 5594.0, 5500.0, 5293.0, 5393.0, 5653.0, 5436.0, 5400.0, 5544.0, 5630.0, 5389.0, 5679.0, 5588.0, 5538.0, 5668.0, 5637.0, 5451.0, 5403.0, 5525.0, 5479.0, 5404.0, 5322.0, 5700.0, 5259.0, 5365.0, 5576.0, 5540.0, 5649.0, 5718.0, 5438.0, 5273.0, 5422.0, 5608.0, 5646.0, 5627.0, 5355.0, 5459.0, 5497.0, 5347.0, 5448.0, 5256.0, 5261.0, 5602.0, 5656.0, 5603.0, 5561.0, 5398.0, 5529.0, 5534.0, 5279.0, 5330.0, 5456.0, 5583.0, 5676.0, 5462.0, 5509.0, 5336.0, 5666.0, 5391.0, 5378.0, 5670.0, 5434.0, 5375.0, 5555.0, 5571.0, 5639.0, 5298.0, 5425.0, 5605.0, 5317.0 (number of hits: 3)
20	5500.0	9	1.0	333	1	5365.0, 5707.0, 5445.0, 5444.0, 5635.0, 5447.0, 5515.0, 5400.0, 5279.0, 5296.0, 5532.0, 5337.0, 5623.0, 5620.0, 5251.0, 5469.0, 5470.0, 5722.0, 5401.0, 5306.0, 5577.0, 5315.0, 5521.0, 5298.0, 5500.0, 5715.0, 5386.0, 5322.0, 5673.0, 5646.0, 5311.0, 5428.0, 5402.0, 5562.0, 5431.0, 5343.0, 5476.0, 5455.0, 5407.0, 5649.0, 5427.0, 5679.0, 5325.0, 5295.0, 5593.0, 5317.0, 5702.0, 5590.0, 5300.0, 5647.0, 5290.0, 5423.0, 5397.0, 5583.0, 5602.0, 5354.0, 5321.0, 5720.0, 5552.0, 5313.0, 5705.0, 5361.0, 5519.0, 5308.0, 5611.0, 5644.0, 5473.0, 5477.0, 5579.0, 5569.0, 5394.0, 5710.0, 5282.0, 5378.0, 5405.0, 5563.0, 5324.0, 5589.0, 5522.0, 5601.0, 5459.0, 5404.0, 5560.0, 5467.0, 5493.0, 5548.0, 5286.0, 5453.0, 5546.0, 5363.0, 5293.0, 5718.0, 5269.0, 5653.0, 5482.0, 5268.0, 5409.0, 5517.0, 5498.0, 5383.0 (number of hits: 3)
21	5500.0	9	1.0	333	1	5527.0, 5275.0, 5717.0, 5577.0, 5587.0, 5338.0, 5260.0, 5664.0, 5387.0, 5530.0, 5433.0, 5414.0, 5568.0, 5579.0, 5665.0, 5635.0, 5251.0, 5305.0, 5641.0, 5651.0, 5268.0, 5582.0, 5389.0, 5695.0, 5526.0, 5545.0, 5468.0, 5398.0, 5347.0, 5427.0, 5421.0, 5296.0, 5534.0, 5676.0, 5627.0, 5639.0, 5669.0, 5596.0, 5459.0, 5481.0, 5380.0, 5592.0, 5432.0, 5383.0, 5544.0, 5335.0, 5318.0, 5561.0, 5546.0, 5520.0, 5314.0, 5291.0, 5671.0, 5661.0, 5402.0, 5461.0, 5584.0, 5612.0, 5569.0, 5443.0, 5647.0, 5686.0, 5614.0, 5319.0, 5343.0, 5382.0, 5525.0, 5685.0, 5495.0, 5704.0, 5263.0, 5533.0, 5606.0, 5702.0, 5519.0, 5514.0, 5515.0, 5630.0, 5610.0, 5564.0, 5472.0, 5505.0, 5289.0, 5715.0, 5326.0, 5386.0, 5449.0, 5615.0, 5617.0, 5269.0, 5567.0, 5278.0, 5479.0, 5673.0, 5572.0, 5441.0, 5603.0, 5602.0, 5370.0, 5655.0 (number of hits: 2)
22	5500.0	9	1.0	333	1	5412.0, 5442.0, 5472.0, 5712.0, 5428.0, 5600.0, 5408.0, 5707.0, 5588.0, 5571.0, 5552.0, 5423.0, 5495.0, 5274.0, 5510.0, 5447.0, 5539.0, 5700.0, 5270.0, 5354.0, 5380.0, 5460.0, 5602.0, 5719.0, 5621.0, 5527.0, 5705.0, 5347.0, 5416.0, 5660.0, 5385.0, 5648.0, 5465.0, 5546.0, 5261.0, 5675.0, 5492.0, 5638.0, 5721.0, 5642.0, 5267.0, 5723.0, 5277.0, 5690.0, 5471.0, 5626.0, 5640.0, 5372.0, 5487.0, 5540.0, 5624.0, 5396.0, 5512.0, 5468.0, 5252.0, 5303.0, 5713.0, 5436.0, 5677.0, 5565.0, 5433.0, 5661.0, 5680.0, 5309.0, 5594.0, 5345.0, 5628.0, 5658.0, 5308.0, 5585.0, 5369.0, 5526.0, 5518.0, 5710.0, 5477.0, 5479.0, 5554.0,

						5403.0, 5543.0, 5709.0, 5535.0, 5382.0, 5689.0, 5342.0, 5524.0, 5678.0, 5622.0, 5601.0, 5636.0, 5367.0, 5366.0, 5523.0, 5459.0, 5427.0, 5443.0, 5567.0, 5490.0, 5441.0, 5606.0, 5561.0 (number of hits: 2)
23	5500.0	9	1.0	333	1	5448.0, 5347.0, 5441.0, 5410.0, 5266.0, 5280.0, 5299.0, 5457.0, 5270.0, 5309.0, 5643.0, 5412.0, 5275.0, 5396.0, 5719.0, 5595.0, 5253.0, 5623.0, 5631.0, 5524.0, 5367.0, 5510.0, 5261.0, 5543.0, 5716.0, 5317.0, 5518.0, 5386.0, 5688.0, 5522.0, 5722.0, 5438.0, 5544.0, 5568.0, 5665.0, 5607.0, 5432.0, 5583.0, 5593.0, 5341.0, 5570.0, 5456.0, 5426.0, 5564.0, 5709.0, 5440.0, 5271.0, 5605.0, 5531.0, 5292.0, 5534.0, 5590.0, 5498.0, 5394.0, 5693.0, 5420.0, 5449.0, 5712.0, 5276.0, 5673.0, 5293.0, 5446.0, 5479.0, 5401.0, 5333.0, 5594.0, 5546.0, 5713.0, 5488.0, 5332.0, 5686.0, 5497.0, 5312.0, 5500.0, 5316.0, 5547.0, 5589.0, 5553.0, 5680.0, 5255.0, 5566.0, 5552.0, 5626.0, 5431.0, 5539.0, 5562.0, 5306.0, 5541.0, 5646.0, 5251.0, 5371.0, 5578.0, 5587.0, 5556.0, 5601.0, 5370.0, 5723.0, 5399.0, 5651.0, 5548.0 (number of hits: 3)
24	5500.0	9	1.0	333	1	5518.0, 5653.0, 5428.0, 5582.0, 5353.0, 5636.0, 5254.0, 5301.0, 5426.0, 5271.0, 5308.0, 5303.0, 5430.0, 5646.0, 5626.0, 5562.0, 5581.0, 5393.0, 5453.0, 5388.0, 5361.0, 5483.0, 5573.0, 5279.0, 5448.0, 5277.0, 5703.0, 5366.0, 5656.0, 5641.0, 5692.0, 5507.0, 5264.0, 5601.0, 5329.0, 5614.0, 5610.0, 5540.0, 5458.0, 5468.0, 5499.0, 5714.0, 5405.0, 5442.0, 5344.0, 5342.0, 5508.0, 5315.0, 5663.0, 5325.0, 5292.0, 5591.0, 5354.0, 5637.0, 5695.0, 5349.0, 5474.0, 5643.0, 5449.0, 5516.0, 5438.0, 5413.0, 5713.0, 5463.0, 5592.0, 5302.0, 5681.0, 5293.0, 5698.0, 5491.0, 5618.0, 5341.0, 5411.0, 5333.0, 5373.0, 5655.0, 5650.0, 5363.0, 5360.0, 5631.0, 5511.0, 5700.0, 5478.0, 5269.0, 5485.0, 5535.0, 5471.0, 5462.0, 5506.0, 5295.0, 5440.0, 5685.0, 5475.0, 5495.0, 5548.0, 5309.0, 5624.0, 5689.0, 5572.0, 5253.0 (number of hits: 6)
25	5500.0	9	1.0	333	1	5306.0, 5376.0, 5272.0, 5545.0, 5613.0, 5604.0, 5519.0, 5633.0, 5529.0, 5572.0, 5393.0, 5709.0, 5363.0, 5371.0, 5498.0, 5360.0, 5481.0, 5292.0, 5488.0, 5455.0, 5426.0, 5384.0, 5657.0, 5514.0, 5356.0, 5252.0, 5465.0, 5258.0, 5457.0, 5300.0, 5321.0, 5641.0, 5563.0, 5367.0, 5479.0, 5530.0, 5632.0, 5701.0, 5543.0, 5251.0, 5345.0, 5412.0, 5539.0, 5468.0, 5414.0, 5520.0, 5600.0, 5532.0, 5280.0, 5299.0, 5525.0, 5448.0, 5679.0, 5390.0, 5650.0, 5265.0, 5574.0, 5268.0, 5278.0, 5453.0, 5516.0, 5512.0, 5466.0, 5576.0, 5565.0, 5587.0, 5326.0, 5648.0, 5424.0, 5493.0, 5450.0, 5291.0, 5624.0, 5447.0, 5271.0, 5644.0, 5406.0, 5492.0, 5334.0, 5439.0, 5649.0, 5547.0, 5417.0, 5436.0, 5680.0, 5462.0, 5508.0, 5494.0, 5362.0, 5290.0, 5408.0, 5616.0, 5658.0, 5303.0, 5382.0, 5317.0, 5687.0, 5559.0, 5681.0, 5511.0 (number of hits: 5)
26	5500.0	9	1.0	333	1	5477.0, 5356.0, 5598.0, 5569.0, 5480.0, 5448.0, 5690.0, 5499.0, 5474.0, 5628.0, 5503.0, 5496.0, 5440.0, 5639.0, 5713.0, 5645.0, 5580.0, 5681.0, 5595.0, 5531.0, 5723.0, 5373.0, 5700.0, 5678.0, 5469.0, 5409.0, 5386.0, 5572.0, 5316.0, 5334.0, 5427.0, 5651.0, 5417.0, 5622.0, 5635.0, 5295.0, 5649.0, 5603.0, 5562.0, 5697.0, 5683.0, 5561.0, 5288.0, 5282.0, 5720.0, 5627.0, 5349.0, 5297.0, 5523.0, 5553.0, 5512.0, 5544.0, 5273.0, 5634.0, 5666.0, 5545.0, 5611.0, 5600.0, 5644.0, 5444.0, 5500.0, 5675.0, 5493.0, 5721.0, 5422.0, 5642.0, 5376.0, 5613.0, 5714.0, 5672.0, 5584.0, 5296.0, 5433.0, 5606.0, 5489.0, 5581.0, 5300.0, 5509.0, 5428.0, 5294.0, 5344.0, 5459.0, 5416.0, 5680.0,

						5324.0, 5716.0, 5313.0, 5267.0, 5293.0, 5548.0, 5458.0, 5707.0, 5665.0, 5414.0, 5677.0, 5395.0, 5587.0, 5455.0, 5576.0, 5364.0 (number of hits: 5)
27	5500.0	9	1.0	333	1	5487.0, 5714.0, 5348.0, 5666.0, 5462.0, 5572.0, 5460.0, 5313.0, 5344.0, 5322.0, 5374.0, 5614.0, 5662.0, 5605.0, 5263.0, 5527.0, 5671.0, 5672.0, 5555.0, 5309.0, 5561.0, 5564.0, 5560.0, 5276.0, 5656.0, 5459.0, 5538.0, 5691.0, 5444.0, 5414.0, 5597.0, 5589.0, 5260.0, 5269.0, 5677.0, 5279.0, 5517.0, 5478.0, 5604.0, 5610.0, 5455.0, 5492.0, 5703.0, 5591.0, 5571.0, 5611.0, 5300.0, 5719.0, 5715.0, 5339.0, 5585.0, 5479.0, 5653.0, 5511.0, 5467.0, 5646.0, 5592.0, 5552.0, 5643.0, 5548.0, 5674.0, 5636.0, 5504.0, 5553.0, 5525.0, 5469.0, 5389.0, 5640.0, 5381.0, 5410.0, 5325.0, 5633.0, 5514.0, 5587.0, 5574.0, 5304.0, 5667.0, 5395.0, 5627.0, 5578.0, 5615.0, 5404.0, 5532.0, 5281.0, 5294.0, 5657.0, 5422.0, 5267.0, 5261.0, 5576.0, 5695.0, 5334.0, 5447.0, 5510.0, 5475.0, 5468.0, 5361.0, 5586.0, 5718.0, 5330.0 (number of hits: 2)
28	5500.0	9	1.0	333	1	5427.0, 5317.0, 5409.0, 5484.0, 5487.0, 5323.0, 5496.0, 5470.0, 5572.0, 5573.0, 5504.0, 5281.0, 5376.0, 5284.0, 5577.0, 5581.0, 5706.0, 5285.0, 5460.0, 5331.0, 5669.0, 5490.0, 5579.0, 5345.0, 5567.0, 5361.0, 5665.0, 5540.0, 5659.0, 5497.0, 5332.0, 5380.0, 5453.0, 5389.0, 5704.0, 5289.0, 5288.0, 5456.0, 5416.0, 5503.0, 5362.0, 5442.0, 5454.0, 5691.0, 5298.0, 5377.0, 5655.0, 5393.0, 5513.0, 5547.0, 5296.0, 5381.0, 5448.0, 5716.0, 5254.0, 5437.0, 5445.0, 5670.0, 5318.0, 5606.0, 5619.0, 5594.0, 5383.0, 5657.0, 5666.0, 5328.0, 5262.0, 5394.0, 5431.0, 5651.0, 5644.0, 5529.0, 5392.0, 5432.0, 5473.0, 5382.0, 5307.0, 5683.0, 5415.0, 5645.0, 5689.0, 5293.0, 5308.0, 5542.0, 5410.0, 5696.0, 5538.0, 5295.0, 5534.0, 5339.0, 5414.0, 5495.0, 5471.0, 5631.0, 5341.0, 5603.0, 5449.0, 5574.0, 5360.0, 5679.0 (number of hits: 5)
29	5500.0	9	1.0	333	1	5399.0, 5358.0, 5335.0, 5398.0, 5508.0, 5394.0, 5509.0, 5544.0, 5539.0, 5513.0, 5668.0, 5495.0, 5442.0, 5412.0, 5506.0, 5401.0, 5322.0, 5691.0, 5526.0, 5609.0, 5705.0, 5279.0, 5271.0, 5402.0, 5532.0, 5419.0, 5411.0, 5340.0, 5614.0, 5549.0, 5463.0, 5669.0, 5717.0, 5265.0, 5569.0, 5604.0, 5300.0, 5487.0, 5505.0, 5597.0, 5276.0, 5694.0, 5540.0, 5661.0, 5649.0, 5719.0, 5448.0, 5641.0, 5491.0, 5261.0, 5435.0, 5581.0, 5702.0, 5533.0, 5441.0, 5320.0, 5701.0, 5489.0, 5465.0, 5557.0, 5517.0, 5619.0, 5515.0, 5315.0, 5594.0, 5421.0, 5413.0, 5685.0, 5416.0, 5576.0, 5462.0, 5378.0, 5666.0, 5393.0, 5713.0, 5547.0, 5625.0, 5480.0, 5615.0, 5686.0, 5568.0, 5339.0, 5611.0, 5337.0, 5291.0, 5647.0, 5558.0, 5284.0, 5610.0, 5522.0, 5507.0, 5414.0, 5321.0, 5710.0, 5343.0, 5272.0, 5390.0, 5327.0, 5546.0, 5498.0 (number of hits: 7)
30	5500.0	9	1.0	333	1	5376.0, 5620.0, 5328.0, 5613.0, 5273.0, 5641.0, 5369.0, 5292.0, 5693.0, 5447.0, 5652.0, 5568.0, 5442.0, 5300.0, 5358.0, 5533.0, 5394.0, 5383.0, 5536.0, 5631.0, 5724.0, 5413.0, 5386.0, 5723.0, 5448.0, 5682.0, 5480.0, 5323.0, 5625.0, 5705.0, 5467.0, 5356.0, 5516.0, 5269.0, 5405.0, 5582.0, 5411.0, 5637.0, 5713.0, 5510.0, 5435.0, 5334.0, 5265.0, 5392.0, 5534.0, 5406.0, 5380.0, 5365.0, 5403.0, 5260.0, 5517.0, 5580.0, 5407.0, 5387.0, 5512.0, 5594.0, 5563.0, 5522.0, 5653.0, 5521.0, 5553.0, 5471.0, 5662.0, 5544.0, 5640.0, 5301.0, 5382.0, 5558.0, 5670.0, 5290.0, 5504.0, 5414.0, 5287.0, 5460.0, 5658.0, 5523.0, 5615.0, 5445.0, 5697.0, 5325.0, 5595.0, 5612.0, 5340.0, 5486.0, 5362.0, 5630.0, 5530.0, 5419.0, 5298.0, 5554.0, 5550.0,

						5667.0, 5674.0, 5494.0, 5439.0, 5502.0, 5312.0, 5716.0, 5361.0, 5310.0 (number of hits: 3)

Client 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	76.7 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	83.3 %	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 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	78	1.0	678	1
2	81	1.0	658	1
3	86	1.0	618	1
4	83	1.0	638	1
5	76	1.0	698	1
6	74	1.0	718	0
7	70	1.0	758	1
8	57	1.0	938	1
9	102	1.0	518	1
10	18	1.0	3066	1
11	67	1.0	798	1
12	68	1.0	778	1
13	65	1.0	818	1
14	89	1.0	598	1
15	59	1.0	898	1
1	27	1.0	1962	1
2	54	1.0	992	1
3	24	1.0	2231	1
4	19	1.0	2857	1
5	22	1.0	2468	1
6	20	1.0	2763	1
7	30	1.0	1760	1
8	74	1.0	719	0
9	27	1.0	2020	1
10	46	1.0	1169	1
11	23	1.0	2317	1
12	37	1.0	1451	1
13	100	1.0	531	1
14	19	1.0	2872	1
15	23	1.0	2335	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	26	2.0	155	1
2	23	1.8	152	1
3	27	2.7	223	1
4	28	3.7	228	1
5	29	3.6	205	1
6	25	2.3	217	0
7	23	2.1	202	1
8	27	3.4	205	1
9	27	4.8	221	1
10	24	1.0	169	1
11	26	2.7	173	0
12	27	1.3	178	1
13	26	2.2	199	1
14	27	1.1	189	1
15	24	1.8	168	1
16	29	4.2	152	1
17	26	3.4	206	1
18	28	1.5	215	0
19	29	2.0	176	1
20	24	3.6	164	1
21	24	4.1	180	1
22	27	1.6	211	1
23	26	2.7	166	0
24	29	1.8	187	1
25	24	3.9	223	1
26	24	4.9	171	1
27	26	1.3	190	1
28	29	1.6	156	1
29	27	4.0	170	0
30	24	4.8	210	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	9.1	395	1
2	17	9.0	352	1
3	16	6.3	476	1
4	18	9.6	275	1
5	17	6.6	340	0
6	17	6.5	248	1
7	18	8.1	380	1
8	16	7.6	261	1
9	16	6.0	492	0
10	17	8.5	330	0
11	16	7.6	360	0
12	16	6.7	396	1
13	18	8.2	413	1
14	16	9.8	305	1
15	16	9.7	440	1
16	16	6.6	399	1
17	18	7.6	475	1
18	16	9.0	438	1
19	18	9.0	212	1
20	16	9.3	328	1
21	16	8.1	252	0
22	16	8.9	408	1
23	16	8.2	452	1
24	18	8.2	316	0
25	18	6.7	343	1
26	18	8.3	295	1
27	17	6.3	234	1
28	18	9.8	317	1
29	18	10.0	325	0
30	18	8.3	353	1
Detection Percentage: 76.7 % (>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	14.5	493	1
2	14	19.4	446	1
3	13	18.5	334	1
4	14	16.2	262	1
5	12	11.4	349	1
6	14	11.3	213	0
7	13	12.7	495	1
8	13	17.6	456	1
9	13	14.5	477	0
10	15	17.2	288	1
11	13	18.7	395	1
12	14	19.8	419	0
13	16	18.9	433	1
14	15	16.5	433	1
15	12	11.1	363	1
16	13	18.1	384	1
17	14	19.7	215	1
18	12	14.4	421	1
19	16	11.8	325	0
20	15	13.4	388	1
21	15	12.6	356	1
22	16	12.7	351	1
23	12	17.3	475	0
24	15	11.6	476	1
25	16	11.3	341	1
26	12	18.1	259	1
27	14	12.0	493	1
28	13	13.3	243	0
29	13	16.6	314	1
30	16	15.1	474	1
Detection Percentage: 80 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5498.4	1
12	5494.0	1
13	5494.0	1
14	5498.8	1
15	5497.2	1
16	5499.6	1
17	5497.6	1
18	5498.4	1
19	5499.2	1
20	5499.6	1
21	5520.4	1
22	5520.8	1
23	5526.0	1
24	5523.2	1
25	5522.4	1
26	5522.0	1
27	5521.6	1
28	5525.2	1
29	5521.6	1
30	5524.4	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	13	87.3	1633		0.602593	1
1	3	13	73.7	1671	1822	1.088243	
2	3	13	52.3	1427	1382	1.613185	
3	1	13	78.7			2.454662	
4	2	13	98.7	1613		3.847921	
5	3	13	68.1	1244	1671	4.422221	
6	3	13	71.0	1525	1671	5.442468	
7	2	13	82.2	1465		5.724291	
8	2	13	68.7	1845		6.653522	
9	2	13	57.6	1638		7.317294	
10	2	13	86.2	1648		8.636052	
11	3	13	51.6	1476	1962	9.555636	
12	2	13	92.1	1902		10.180458	
13	2	13	76.5	1272		10.787404	
14	2	13	83.5	1831		11.613766	

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	15	93.0	1096		0.405848	1
1	1	15	52.9			1.669026	
2	2	15	81.0	1590		2.587331	
3	1	15	81.0			3.958984	
4	1	15	60.6			4.120592	
5	2	15	59.3	1625		5.549924	
6	3	15	86.4	1015	1876	6.603018	
7	2	15	94.0	1375		7.825204	
8	2	15	75.5	1768		8.544008	
9	1	15	71.0			9.364856	
10	3	15	97.9	1982	1204	10.633082	
11	2	15	75.9	1758		11.652027	

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	7	77.6	1964		1.183298	1
1	2	7	86.1	1643		1.492128	
2	2	7	66.5	1448		3.554276	
3	3	7	52.7	1788	1591	3.956639	
4	3	7	56.1	1690	1885	4.809005	
5	3	7	90.5	1370	1451	6.294631	
6	3	7	94.1	1528	1753	7.561245	
7	2	7	65.0	1122		9.284100	
8	3	7	88.2	1527	1848	10.654379	
9	2	7	62.6	1955		11.258354	

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	11	78.5	1793		0.473617	1
1	1	11	64.0			0.676800	
2	2	11	84.4	1682		1.784698	
3	2	11	86.6	1839		2.580797	
4	1	11	69.6			2.929692	
5	2	11	79.3	1655		3.845428	
6	2	11	63.0	1928		4.439676	
7	2	11	90.4	1960		5.266596	
8	1	11	99.1			5.838064	
9	2	11	71.9	1228		6.555891	
10	1	11	83.1			7.289533	
11	3	11	96.8	1109	1594	7.583453	
12	1	11	81.3			8.074367	
13	1	11	98.8			8.737920	
14	2	11	56.9	1074		9.717113	
15	3	11	86.0	1160	1192	10.529141	
16	1	11	71.8			10.841240	
17	3	11	68.4	1377	1620	11.732674	

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	15	51.9	1312	1557	1.062463	1
1	1	15	52.0			1.420102	
2	1	15	88.5			3.483273	
3	2	15	68.2	1600		3.703412	
4	2	15	97.2	1988		5.730643	
5	3	15	85.6	1660	1878	6.529432	
6	1	15	85.7			7.570072	
7	2	15	97.3	1549		9.056868	
8	2	15	50.3	1750		10.694568	
9	2	15	52.9	1337		10.867756	

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	8	94.4	1841		0.191412	1
1	2	8	72.8	1848		1.509871	
2	3	8	87.2	1476	1760	3.071801	
3	3	8	79.6	1353	1158	4.004809	
4	3	8	51.7	1231	1207	5.382163	
5	2	8	73.9	1986		5.830919	
6	1	8	74.2			7.096129	
7	1	8	50.3			7.930988	
8	1	8	97.4			9.590558	
9	2	8	97.3	1678		10.238652	
10	3	8	71.6	1079	1068	11.073384	

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	8	70.3	1081	1666	0.615101	
1	1	8	66.4			0.648866	
2	1	8	62.0			1.497869	
3	1	8	95.7			2.306096	
4	3	8	97.4	1580	1700	2.822596	
5	1	8	59.5			3.180461	
6	2	8	95.7	1859		4.258481	
7	2	8	57.2	1092		4.437499	
8	1	8	58.3			5.459967	
9	1	8	99.9			6.159639	1
10	1	8	87.0			6.753583	
11	3	8	79.4	1708	1243	7.503612	
12	3	8	51.1	1587	1310	7.966740	
13	1	8	79.5			8.334992	
14	3	8	53.4	1235	1076	8.991812	
15	1	8	86.5			10.022774	
16	1	8	50.1			10.522009	
17	3	8	70.2	1981	1862	10.832182	
18	3	8	100.0	1544	1929	11.799435	

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	16	64.9	1255		0.213370	
1	2	16	53.9	1379		0.925462	
2	2	16	86.9	1791		2.140355	
3	3	16	81.4	1593	1592	2.602538	
4	2	16	75.5	1017		3.259734	
5	1	16	87.0			4.084917	
6	2	16	80.2	1488		5.212468	
7	1	16	83.5			5.780510	
8	3	16	62.9	1844	1468	6.325818	1
9	2	16	88.7	1219		6.813465	
10	1	16	86.1			7.689349	
11	1	16	68.5			8.550006	
12	3	16	69.4	1122	1903	9.686812	
13	1	16	65.6			10.395666	
14	2	16	60.3	1025		11.138796	
15	2	16	75.0	1877		11.805972	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	70.6	1600	1973	0.519907	1
1	2	11	81.0	1571		0.820414	
2	2	11	84.2	1807		1.834850	
3	3	11	98.4	1316	1889	2.048074	
4	2	11	60.7	1444		2.916184	
5	2	11	58.3	1546		3.530785	
6	3	11	50.5	1815	1057	4.315562	
7	2	11	53.3	1545		5.100018	
8	2	11	86.1	1050		5.670786	
9	2	11	64.1	1671		6.236353	
10	2	11	74.2	1390		6.907240	
11	3	11	91.0	1717	1743	7.726550	
12	3	11	81.1	1999	1003	8.084333	
13	1	11	95.9			8.908606	
14	3	11	66.0	1624	1875	9.726163	
15	3	11	78.0	1747	1171	10.285827	
16	2	11	74.1	1858		10.934200	
17	2	11	66.2	1608		11.949136	

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	6	57.8	1191	1485	1.304531	1
1	2	6	73.1	1803		2.204488	
2	3	6	79.2	1857	1542	3.975942	
3	3	6	68.1	1643	1191	4.877170	
4	3	6	77.9	1294	1277	6.980188	
5	3	6	77.0	1040	1025	8.180674	
6	2	6	54.8	1485		9.412087	
7	2	6	65.9	1558		10.857837	

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	95.9	1854		0.621310	1
1	2	16	77.7	1511		1.099378	
2	1	16	97.7			1.602265	
3	2	16	64.8	1872		2.218417	
4	2	16	66.2	1994		3.336383	
5	2	16	92.4	1217		3.966213	
6	1	16	66.9			4.917298	
7	3	16	63.9	1831	1961	5.312528	
8	2	16	90.5	1390		6.278186	
9	2	16	51.1	1173		6.506595	
10	1	16	54.3			7.596232	
11	2	16	90.1	1955		7.768267	
12	1	16	81.9			8.617144	
13	3	16	79.8	1675	1884	9.337470	
14	1	16	67.6			10.128911	
15	2	16	75.7	1505		11.256215	
16	2	16	93.5	1710		11.877366	

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	5	72.8			0.546277	1
1	3	5	54.4	1263	1085	2.079447	
2	3	5	84.2	1553	1093	2.433884	
3	2	5	81.0	1748		3.872257	
4	2	5	52.9	1189		5.279452	
5	3	5	59.0	1123	1513	6.734026	
6	1	5	65.9			8.192090	
7	2	5	94.7	1136		9.167674	
8	1	5	65.4			10.591761	
9	2	5	69.2	1305		11.294683	

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	5	55.4			0.124110	1
1	3	5	75.8	1142	1647	1.585323	
2	1	5	65.7			1.970515	
3	2	5	86.4	1205		3.350210	
4	1	5	94.6			4.001915	
5	2	5	93.0	1871		4.799269	
6	2	5	82.8	1845		5.915975	
7	3	5	61.8	1814	1005	6.039140	
8	1	5	64.6			7.232807	
9	2	5	88.3	1580		8.411199	
10	2	5	85.3	1116		9.290936	
11	1	5	62.6			10.229767	
12	1	5	95.5			10.370361	
13	3	5	71.1	1730	1104	11.786926	

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	53.3			0.741692	1
1	2	17	93.4	1112		1.369360	
2	2	17	84.1	1042		1.931790	
3	2	17	86.1	1821		2.665605	
4	2	17	91.3	1569		3.927989	
5	2	17	73.9	1756		4.663557	
6	1	17	98.0			5.768625	
7	1	17	75.8			6.836424	
8	2	17	97.5	1553		7.610734	
9	3	17	79.6	1522	1423	8.390468	
10	2	17	76.6	1597		8.623769	
11	2	17	68.7	1345		9.923123	
12	2	17	91.9	1400		10.795430	
13	3	17	52.8	1507	1697	11.831639	

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	13	54.0	1780		0.292663	1
1	2	13	88.1	1177		0.923878	
2	2	13	62.9	1454		2.674352	
3	1	13	80.4			2.997443	
4	1	13	78.2			3.794598	
5	3	13	59.0	1087	1495	4.999627	
6	2	13	87.8	1228		6.072752	
7	1	13	63.3			6.921147	
8	2	13	97.1	1649		8.280760	
9	3	13	98.4	1814	1534	8.371632	
10	2	13	59.9	1580		9.605529	
11	1	13	87.5			10.342689	
12	2	13	80.7	1834		11.542976	

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	50.4	1328		0.666742	1
1	2	19	72.8	1664		1.903083	
2	3	19	66.5	1661	1449	2.981274	
3	2	19	84.0	1975		4.308931	
4	2	19	60.9	1053		5.967116	
5	1	19	67.0			6.347641	
6	2	19	50.6	1509		8.280415	
7	2	19	58.3	1493		8.492266	
8	2	19	85.1	1800		9.709919	
9	2	19	71.2	1935		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	14	77.2	1521		0.155789	
1	3	14	94.4	1535	1936	1.648246	
2	1	14	67.5			1.792932	
3	1	14	61.4			2.781164	
4	2	14	60.5	1015		4.022776	
5	2	14	61.9	1382		4.574095	
6	3	14	93.8	1016	1279	5.311693	1
7	3	14	64.4	1138	1165	6.068407	
8	3	14	67.8	1971	1510	7.117786	
9	2	14	69.3	1639		8.315663	
10	3	14	70.4	1519	1806	8.997444	
11	2	14	53.1	1110		10.216471	
12	2	14	92.2	1920		10.442189	
13	2	14	76.3	1607		11.936390	

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	92.9	1394	1585	0.190536	
1	2	16	50.8	1936		0.840005	
2	3	16	52.9	1743	1721	1.583715	
3	2	16	82.3	1923		2.019937	
4	3	16	81.5	1875	1920	2.634425	
5	3	16	73.7	1965	1723	3.190149	
6	2	16	59.9	1599		4.315669	
7	1	16	90.2			4.567855	
8	2	16	90.1	1914		5.212123	
9	2	16	57.7	1131		5.831083	1
10	3	16	58.9	1075	1982	6.472501	
11	3	16	72.0	1414	1415	6.953328	
12	1	16	64.8			8.169968	
13	3	16	86.6	1057	1626	8.555613	
14	2	16	79.7	1058		9.138512	
15	2	16	94.8	1918		9.723151	
16	2	16	81.6	1429		10.408951	
17	1	16	74.7			11.350276	
18	2	16	72.1	1218		11.510382	

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	54.7			0.104264	1
1	3	18	73.5	1969	1965	1.074615	
2	2	18	76.9	1385		2.229061	
3	2	18	64.2	1778		3.189459	
4	2	18	79.3	1193		3.577271	
5	2	18	56.3	1875		4.809635	
6	2	18	97.8	1361		5.806078	
7	2	18	84.1	1855		6.200594	
8	3	18	65.8	1339	1291	7.025142	
9	3	18	79.6	1955	1601	7.959774	
10	2	18	77.3	1744		8.794077	
11	2	18	74.9	1387		9.819525	
12	1	18	90.6			10.348113	
13	2	18	84.5	1761		11.417193	

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	19	70.9	1514		0.219374	1
1	2	19	53.3	1080		1.158882	
2	1	19	57.0			1.969807	
3	1	19	87.1			2.569515	
4	2	19	84.2	1150		2.839876	
5	2	19	92.5	1397		3.764758	
6	1	19	74.4			4.454949	
7	2	19	73.7	1050		4.836070	
8	2	19	59.0	1543		5.947240	
9	3	19	76.7	1249	1897	6.248444	
10	2	19	98.5	1014		6.872255	
11	2	19	60.7	1760		7.350266	
12	2	19	87.2	1285		8.522882	
13	1	19	81.8			8.869254	
14	2	19	54.8	1861		9.702319	
15	1	19	50.9			10.201797	
16	1	19	77.2			10.775138	
17	1	19	55.7			11.669518	

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	19	55.8			0.547074	1
1	2	19	53.1	1638		1.052845	
2	2	19	53.1	1594		1.440840	
3	1	19	98.4			2.354194	
4	3	19	95.5	1932	1698	2.881509	
5	2	19	92.3	1379		3.292336	
6	1	19	75.8			3.780444	
7	3	19	55.0	1281	1424	4.653570	
8	2	19	69.4	1893		5.258773	
9	2	19	86.2	1042		5.767791	
10	2	19	50.5	1716		6.164431	
11	2	19	87.4	1576		7.193307	
12	1	19	95.0			7.261379	
13	2	19	74.3	1420		8.276703	
14	3	19	77.4	1023	1915	8.627072	
15	1	19	80.0			9.575883	
16	3	19	68.7	1098	1135	10.086055	
17	2	19	81.0	1634		10.783993	
18	3	19	60.4	1064	1381	11.375238	
19	2	19	85.2	1740		11.440694	

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	80.9	1536		0.006282	
1	1	18	82.0			0.962287	
2	1	18	96.2			1.933686	
3	2	18	76.1	1943		2.796705	
4	3	18	91.6	1263	1782	2.983424	
5	2	18	64.9	1288		3.910200	
6	3	18	95.1	1905	1561	4.743096	
7	3	18	81.4	1865	1841	5.135736	
8	3	18	95.0	1901	1765	6.292948	1
9	1	18	79.6			6.754563	
10	2	18	79.4	1951		7.681433	
11	2	18	67.1	1105		7.995689	
12	2	18	95.5	1672		8.493659	
13	2	18	99.5	1840		9.257085	
14	2	18	62.4	1370		10.462830	
15	2	18	68.7	1177		10.617414	
16	1	18	83.9			11.567491	

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	5	71.1	1038		0.594688	1
1	2	5	64.2	1054		1.454950	
2	2	5	61.5	1301		2.489824	
3	2	5	95.8	1283		2.859195	
4	2	5	74.3	1398		4.071381	
5	2	5	55.0	1599		4.466004	
6	2	5	88.8	1689		5.586067	
7	3	5	70.9	1066	1010	6.668938	
8	2	5	65.5	1126		6.995552	
9	3	5	76.7	1668	1092	8.205490	
10	3	5	54.7	1960	1765	8.989305	
11	1	5	76.7			10.132362	
12	2	5	59.5	1568		10.952850	
13	2	5	94.8	1118		11.793795	

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	98.0			0.276679	1
1	1	12	64.3			0.795676	
2	3	12	90.3	1847	1783	1.556993	
3	2	12	97.7	1660		1.949945	
4	1	12	86.4			2.743832	
5	2	12	64.8	1886		3.317258	
6	3	12	87.2	1283	1957	4.066703	
7	3	12	90.7	1309	1248	4.542581	
8	3	12	96.0	1090	1875	5.430500	
9	2	12	61.6	1929		5.889592	
10	3	12	84.4	1361	1222	6.432928	
11	1	12	53.1			7.267608	
12	2	12	72.0	1305		7.999798	
13	1	12	67.2			8.522398	
14	2	12	99.0	1639		9.303032	
15	2	12	72.0	1719		9.859122	
16	3	12	68.1	1771	1141	10.519623	
17	1	12	98.2			10.820524	
18	2	12	92.9	1925		11.445871	

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	14	59.0			0.020834	
1	2	14	53.8	1140		1.480481	
2	2	14	65.3	1142		1.977380	
3	2	14	67.2	1031		3.452940	
4	3	14	63.9	1189	1727	3.839775	
5	3	14	54.9	1376	1060	4.960378	
6	3	14	99.7	1328	1661	5.883156	1
7	2	14	84.9	1886		6.520622	
8	1	14	60.8			8.010123	
9	2	14	85.0	1440		9.176614	
10	2	14	64.5	1156		9.585737	
11	3	14	65.8	1132	1322	10.971944	
12	1	14	92.6			11.652097	

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	98.5	1582		0.401462	
1	3	20	75.5	1730	1647	1.182615	
2	3	20	53.7	1964	1360	1.908890	
3	1	20	63.7			3.096936	
4	2	20	67.9	1209		4.576794	
5	3	20	94.8	1445	1936	5.312999	
6	2	20	87.9	1519		5.971913	1
7	2	20	91.6	1184		6.726361	
8	3	20	96.5	1671	1170	8.118051	
9	2	20	85.1	1063		8.941809	
10	2	20	50.7	1325		9.334145	
11	2	20	95.7	1815		10.895578	
12	2	20	88.7	1737		11.840673	

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	66.4			0.620417	1
1	2	16	66.5	1198		0.862357	
2	3	16	89.2	1334	1045	1.854401	
3	2	16	92.2	1794		2.093251	
4	2	16	51.7	1279		2.712606	
5	2	16	68.5	1946		3.896576	
6	3	16	97.1	1899	1159	4.489062	
7	2	16	94.0	1018		4.800294	
8	3	16	86.2	1778	1474	5.935804	
9	2	16	51.3	1829		6.384712	
10	2	16	77.3	1999		6.794415	
11	2	16	52.0	1452		7.794338	
12	2	16	75.1	1873		8.644926	
13	2	16	62.9	1393		8.806354	
14	2	16	72.5	1002		9.336113	
15	3	16	79.9	1389	1620	10.290222	
16	2	16	88.0	1075		11.257952	
17	2	16	70.1	1640		11.604916	

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	74.9	1107		0.396216	
1	1	7	57.8			0.710575	
2	1	7	66.2			1.727902	
3	1	7	71.3			2.304397	
4	2	7	99.7	1072		2.839920	
5	2	7	61.7	1526		3.524591	
6	2	7	66.2	1244		4.018870	
7	2	7	67.8	1077		4.483489	
8	1	7	92.6			5.189544	
9	1	7	52.5			5.809503	1
10	2	7	68.6	1679		6.542979	
11	1	7	71.9			7.209791	
12	2	7	59.2	1899		8.137838	
13	1	7	66.7			8.685230	
14	1	7	87.4			8.988669	
15	2	7	89.3	1714		10.083158	
16	3	7	89.0	1508	1463	10.136742	
17	2	7	78.0	1447		11.205210	
18	3	7	61.6	1277	1771	11.820283	

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	16	73.7	1340	1270	0.220916	1
1	3	16	94.3	1020	1795	1.390687	
2	3	16	57.2	1836	1713	2.715493	
3	2	16	97.2	1007		3.505957	
4	1	16	54.8			5.420201	
5	1	16	93.6			6.296737	
6	2	16	52.6	1992		7.174169	
7	2	16	97.1	1009		7.857893	
8	2	16	99.8	1593		8.765231	
9	3	16	83.0	1750	1795	10.745225	
10	2	16	65.4	1144		11.312475	

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	9	63.5	1335		0.708228	1
1	3	9	68.3	1925	1736	1.489649	
2	2	9	69.7	1782		2.436491	
3	3	9	95.3	1627	1936	4.369823	
4	2	9	78.0	1827		4.883723	
5	2	9	82.6	1458		6.261623	
6	2	9	97.3	1083		8.140633	
7	2	9	83.1	1136		8.921408	
8	2	9	61.7	1426		10.292786	
9	1	9	85.4			11.799295	

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	5482.0, 5487.0, 5318.0, 5552.0, 5411.0, 5550.0, 5257.0, 5483.0, 5596.0, 5657.0, 5472.0, 5455.0, 5493.0, 5321.0, 5522.0, 5332.0, 5372.0, 5647.0, 5518.0, 5525.0, 5562.0, 5537.0, 5497.0, 5510.0, 5532.0, 5423.0, 5379.0, 5398.0, 5380.0, 5414.0, 5427.0, 5573.0, 5663.0, 5513.0, 5698.0, 5326.0, 5519.0, 5542.0, 5452.0, 5392.0, 5703.0, 5405.0, 5471.0, 5429.0, 5436.0, 5668.0, 5604.0, 5373.0, 5409.0, 5490.0, 5715.0, 5514.0, 5682.0, 5516.0, 5618.0, 5357.0, 5479.0, 5361.0, 5672.0, 5629.0, 5458.0, 5474.0, 5421.0, 5511.0, 5350.0, 5675.0, 5705.0, 5363.0, 5396.0, 5662.0, 5439.0, 5538.0, 5595.0, 5464.0, 5362.0, 5665.0, 5399.0, 5572.0, 5376.0, 5268.0, 5681.0, 5638.0, 5591.0, 5451.0, 5343.0, 5500.0, 5390.0, 5590.0, 5437.0, 5404.0, 5700.0, 5586.0, 5582.0, 5269.0, 5433.0, 5650.0, 5530.0, 5718.0, 5377.0, 5533.0 (number of hits: 13)
2	5530.0	9	1.0	333	1	5306.0, 5667.0, 5284.0, 5695.0, 5373.0, 5597.0, 5643.0, 5469.0, 5299.0, 5714.0, 5566.0, 5527.0, 5580.0, 5594.0, 5671.0, 5508.0, 5582.0, 5560.0, 5366.0, 5694.0, 5456.0, 5447.0, 5713.0, 5293.0, 5595.0, 5337.0, 5406.0, 5572.0, 5330.0, 5562.0, 5411.0, 5515.0, 5608.0, 5604.0, 5269.0, 5397.0, 5598.0, 5676.0, 5435.0, 5658.0, 5429.0, 5585.0, 5550.0, 5603.0, 5349.0, 5308.0, 5279.0, 5502.0, 5651.0, 5522.0, 5521.0, 5474.0, 5303.0, 5389.0, 5311.0, 5274.0, 5487.0, 5258.0, 5668.0, 5452.0, 5416.0, 5589.0, 5298.0, 5699.0, 5408.0, 5688.0, 5532.0, 5420.0, 5629.0, 5571.0, 5632.0, 5432.0, 5430.0, 5254.0, 5335.0, 5261.0, 5499.0, 5493.0, 5640.0, 5510.0, 5441.0, 5631.0, 5501.0, 5442.0, 5324.0, 5255.0, 5648.0, 5479.0, 5291.0, 5331.0, 5563.0, 5297.0, 5613.0, 5296.0, 5481.0, 5681.0, 5394.0, 5382.0, 5569.0, 5708.0 (number of hits: 5)
3	5530.0	9	1.0	333	1	5302.0, 5348.0, 5667.0, 5330.0, 5333.0, 5518.0, 5609.0, 5287.0, 5569.0, 5431.0, 5545.0, 5459.0, 5443.0, 5676.0, 5252.0, 5687.0, 5308.0, 5453.0, 5458.0, 5708.0, 5652.0, 5469.0, 5548.0, 5579.0, 5261.0, 5447.0, 5535.0, 5384.0, 5635.0, 5651.0, 5349.0, 5519.0, 5457.0, 5291.0, 5277.0, 5631.0, 5478.0, 5594.0, 5374.0, 5673.0, 5642.0, 5617.0, 5416.0, 5418.0, 5509.0, 5446.0, 5627.0, 5551.0, 5669.0, 5549.0, 5375.0, 5391.0, 5577.0, 5343.0, 5464.0, 5338.0, 5707.0, 5625.0, 5641.0, 5380.0, 5317.0, 5256.0, 5271.0, 5341.0, 5677.0,

						5624.0, 5578.0, 5376.0, 5332.0, 5658.0, 5674.0, 5296.0, 5520.0, 5486.0, 5529.0, 5371.0, 5660.0, 5664.0, 5591.0, 5584.0, 5665.0, 5407.0, 5495.0, 5449.0, 5481.0, 5512.0, 5715.0, 5638.0, 5404.0, 5719.0, 5368.0, 5500.0, 5264.0, 5710.0, 5547.0, 5572.0, 5552.0, 5546.0, 5566.0, 5678.0 (number of hits: 9)
4	5530.0	9	1.0	333	1	5310.0, 5693.0, 5563.0, 5461.0, 5460.0, 5502.0, 5356.0, 5552.0, 5608.0, 5599.0, 5589.0, 5641.0, 5388.0, 5272.0, 5442.0, 5535.0, 5659.0, 5547.0, 5498.0, 5492.0, 5336.0, 5394.0, 5491.0, 5318.0, 5657.0, 5593.0, 5463.0, 5288.0, 5648.0, 5628.0, 5416.0, 5443.0, 5713.0, 5514.0, 5581.0, 5401.0, 5444.0, 5414.0, 5452.0, 5629.0, 5324.0, 5642.0, 5342.0, 5504.0, 5603.0, 5544.0, 5694.0, 5380.0, 5404.0, 5357.0, 5673.0, 5523.0, 5352.0, 5695.0, 5530.0, 5697.0, 5415.0, 5487.0, 5717.0, 5280.0, 5329.0, 5408.0, 5306.0, 5325.0, 5500.0, 5326.0, 5630.0, 5346.0, 5626.0, 5538.0, 5539.0, 5503.0, 5368.0, 5274.0, 5720.0, 5566.0, 5703.0, 5647.0, 5564.0, 5277.0, 5602.0, 5701.0, 5555.0, 5661.0, 5706.0, 5595.0, 5327.0, 5438.0, 5281.0, 5624.0, 5283.0, 5537.0, 5409.0, 5553.0, 5256.0, 5418.0, 5253.0, 5675.0, 5643.0, 5298.0 (number of hits: 9)
5	5530.0	9	1.0	333	1	5701.0, 5429.0, 5518.0, 5574.0, 5283.0, 5263.0, 5273.0, 5348.0, 5299.0, 5713.0, 5672.0, 5385.0, 5696.0, 5651.0, 5437.0, 5325.0, 5702.0, 5395.0, 5281.0, 5531.0, 5333.0, 5501.0, 5485.0, 5464.0, 5419.0, 5462.0, 5292.0, 5448.0, 5505.0, 5350.0, 5403.0, 5604.0, 5338.0, 5632.0, 5607.0, 5509.0, 5539.0, 5660.0, 5654.0, 5357.0, 5693.0, 5643.0, 5622.0, 5714.0, 5431.0, 5634.0, 5646.0, 5689.0, 5340.0, 5487.0, 5507.0, 5472.0, 5339.0, 5610.0, 5294.0, 5268.0, 5254.0, 5635.0, 5571.0, 5638.0, 5264.0, 5704.0, 5253.0, 5342.0, 5343.0, 5676.0, 5370.0, 5471.0, 5611.0, 5345.0, 5310.0, 5411.0, 5590.0, 5600.0, 5705.0, 5481.0, 5534.0, 5491.0, 5261.0, 5567.0, 5409.0, 5267.0, 5417.0, 5321.0, 5332.0, 5695.0, 5657.0, 5410.0, 5608.0, 5587.0, 5326.0, 5493.0, 5686.0, 5251.0, 5669.0, 5374.0, 5495.0, 5700.0, 5369.0, 5528.0 (number of hits: 5)
6	5530.0	9	1.0	333	1	5395.0, 5691.0, 5541.0, 5631.0, 5622.0, 5637.0, 5342.0, 5299.0, 5452.0, 5699.0, 5306.0, 5657.0, 5568.0, 5408.0, 5373.0, 5635.0, 5375.0, 5442.0, 5403.0, 5473.0, 5330.0, 5331.0, 5625.0, 5356.0, 5404.0, 5481.0, 5516.0, 5286.0, 5547.0, 5336.0, 5280.0, 5346.0, 5523.0, 5474.0, 5392.0, 5407.0, 5387.0, 5550.0, 5287.0, 5457.0, 5564.0, 5467.0, 5537.0, 5580.0, 5683.0, 5335.0, 5701.0, 5359.0, 5349.0, 5341.0, 5300.0, 5579.0, 5621.0, 5454.0, 5507.0,

						5271.0, 5581.0, 5655.0, 5431.0, 5705.0, 5582.0, 5443.0, 5628.0, 5429.0, 5587.0, 5495.0, 5713.0, 5687.0, 5460.0, 5562.0, 5288.0, 5629.0, 5270.0, 5574.0, 5572.0, 5576.0, 5712.0, 5704.0, 5663.0, 5361.0, 5546.0, 5276.0, 5368.0, 5492.0, 5553.0, 5667.0, 5514.0, 5428.0, 5312.0, 5254.0, 5558.0, 5680.0, 5584.0, 5326.0, 5485.0, 5425.0, 5265.0, 5641.0, 5391.0, 5357.0 (number of hits: 7)
7	5530.0	9	1.0	333	1	5668.0, 5323.0, 5415.0, 5276.0, 5501.0, 5335.0, 5365.0, 5357.0, 5364.0, 5589.0, 5691.0, 5714.0, 5317.0, 5592.0, 5703.0, 5521.0, 5374.0, 5515.0, 5273.0, 5408.0, 5529.0, 5267.0, 5298.0, 5435.0, 5552.0, 5710.0, 5643.0, 5253.0, 5693.0, 5605.0, 5559.0, 5400.0, 5657.0, 5719.0, 5376.0, 5480.0, 5470.0, 5635.0, 5297.0, 5310.0, 5641.0, 5417.0, 5684.0, 5498.0, 5472.0, 5418.0, 5567.0, 5597.0, 5533.0, 5448.0, 5601.0, 5603.0, 5453.0, 5493.0, 5527.0, 5292.0, 5598.0, 5698.0, 5484.0, 5562.0, 5305.0, 5257.0, 5459.0, 5637.0, 5705.0, 5444.0, 5506.0, 5395.0, 5382.0, 5476.0, 5399.0, 5582.0, 5539.0, 5474.0, 5700.0, 5590.0, 5345.0, 5452.0, 5340.0, 5463.0, 5639.0, 5432.0, 5633.0, 5547.0, 5377.0, 5532.0, 5381.0, 5636.0, 5503.0, 5628.0, 5500.0, 5385.0, 5695.0, 5574.0, 5251.0, 5266.0, 5313.0, 5262.0, 5649.0, 5554.0 (number of hits: 8)
8	5530.0	9	1.0	333	1	5378.0, 5489.0, 5537.0, 5315.0, 5375.0, 5388.0, 5404.0, 5597.0, 5380.0, 5410.0, 5497.0, 5531.0, 5651.0, 5357.0, 5671.0, 5273.0, 5543.0, 5690.0, 5591.0, 5313.0, 5473.0, 5565.0, 5557.0, 5576.0, 5275.0, 5643.0, 5445.0, 5366.0, 5395.0, 5257.0, 5268.0, 5669.0, 5343.0, 5663.0, 5691.0, 5717.0, 5361.0, 5502.0, 5255.0, 5592.0, 5653.0, 5677.0, 5471.0, 5499.0, 5340.0, 5452.0, 5535.0, 5711.0, 5590.0, 5532.0, 5583.0, 5260.0, 5335.0, 5722.0, 5654.0, 5635.0, 5456.0, 5431.0, 5715.0, 5453.0, 5408.0, 5718.0, 5393.0, 5601.0, 5354.0, 5306.0, 5632.0, 5563.0, 5303.0, 5673.0, 5285.0, 5462.0, 5619.0, 5549.0, 5385.0, 5509.0, 5533.0, 5430.0, 5568.0, 5526.0, 5358.0, 5615.0, 5307.0, 5293.0, 5351.0, 5495.0, 5504.0, 5449.0, 5519.0, 5403.0, 5488.0, 5482.0, 5657.0, 5660.0, 5640.0, 5662.0, 5577.0, 5562.0, 5318.0, 5501.0 (number of hits: 8)
9	5530.0	9	1.0	333	1	5449.0, 5448.0, 5672.0, 5358.0, 5663.0, 5520.0, 5372.0, 5487.0, 5271.0, 5325.0, 5260.0, 5633.0, 5312.0, 5393.0, 5560.0, 5651.0, 5251.0, 5456.0, 5540.0, 5446.0, 5724.0, 5318.0, 5300.0, 5509.0, 5348.0, 5494.0, 5546.0, 5304.0, 5715.0, 5632.0, 5426.0, 5661.0, 5539.0, 5541.0, 5287.0, 5376.0, 5644.0, 5582.0, 5692.0, 5648.0, 5653.0, 5598.0, 5301.0, 5354.0, 5577.0,

						5617.0, 5705.0, 5424.0, 5294.0, 5365.0, 5267.0, 5678.0, 5558.0, 5606.0, 5341.0, 5481.0, 5693.0, 5413.0, 5521.0, 5471.0, 5439.0, 5299.0, 5332.0, 5566.0, 5497.0, 5584.0, 5280.0, 5262.0, 5517.0, 5709.0, 5489.0, 5399.0, 5538.0, 5604.0, 5263.0, 5664.0, 5457.0, 5554.0, 5659.0, 5522.0, 5654.0, 5694.0, 5613.0, 5710.0, 5351.0, 5668.0, 5459.0, 5296.0, 5278.0, 5342.0, 5329.0, 5469.0, 5343.0, 5470.0, 5264.0, 5689.0, 5336.0, 5386.0, 5419.0, 5578.0 (number of hits: 9)
10	5530.0	9	1.0	333	1	5577.0, 5556.0, 5323.0, 5481.0, 5542.0, 5593.0, 5433.0, 5714.0, 5389.0, 5612.0, 5628.0, 5704.0, 5438.0, 5309.0, 5592.0, 5412.0, 5521.0, 5547.0, 5708.0, 5319.0, 5596.0, 5397.0, 5431.0, 5598.0, 5699.0, 5307.0, 5357.0, 5589.0, 5599.0, 5491.0, 5398.0, 5367.0, 5353.0, 5255.0, 5335.0, 5482.0, 5638.0, 5287.0, 5338.0, 5650.0, 5646.0, 5637.0, 5421.0, 5580.0, 5487.0, 5409.0, 5689.0, 5337.0, 5446.0, 5722.0, 5432.0, 5459.0, 5388.0, 5456.0, 5442.0, 5390.0, 5414.0, 5295.0, 5693.0, 5550.0, 5344.0, 5696.0, 5425.0, 5664.0, 5578.0, 5291.0, 5343.0, 5302.0, 5310.0, 5346.0, 5339.0, 5318.0, 5669.0, 5476.0, 5681.0, 5504.0, 5311.0, 5355.0, 5674.0, 5707.0, 5329.0, 5560.0, 5711.0, 5333.0, 5526.0, 5391.0, 5468.0, 5380.0, 5586.0, 5379.0, 5584.0, 5423.0, 5304.0, 5258.0, 5430.0, 5676.0, 5515.0, 5463.0, 5657.0, 5541.0 (number of hits: 6)
11	5530.0	9	1.0	333	1	5535.0, 5310.0, 5259.0, 5676.0, 5559.0, 5432.0, 5405.0, 5427.0, 5631.0, 5673.0, 5571.0, 5428.0, 5668.0, 5579.0, 5568.0, 5266.0, 5563.0, 5372.0, 5314.0, 5616.0, 5364.0, 5716.0, 5682.0, 5345.0, 5620.0, 5373.0, 5555.0, 5291.0, 5269.0, 5558.0, 5272.0, 5379.0, 5442.0, 5301.0, 5350.0, 5384.0, 5275.0, 5471.0, 5311.0, 5684.0, 5433.0, 5486.0, 5452.0, 5472.0, 5273.0, 5299.0, 5253.0, 5704.0, 5306.0, 5597.0, 5366.0, 5313.0, 5510.0, 5397.0, 5630.0, 5505.0, 5586.0, 5580.0, 5529.0, 5388.0, 5376.0, 5381.0, 5685.0, 5353.0, 5648.0, 5401.0, 5326.0, 5671.0, 5611.0, 5556.0, 5634.0, 5525.0, 5363.0, 5701.0, 5419.0, 5451.0, 5281.0, 5561.0, 5583.0, 5649.0, 5418.0, 5607.0, 5628.0, 5456.0, 5712.0, 5719.0, 5338.0, 5488.0, 5328.0, 5680.0, 5722.0, 5459.0, 5409.0, 5489.0, 5540.0, 5446.0, 5358.0, 5466.0, 5601.0, 5284.0 (number of hits: 4)
12	5530.0	9	1.0	333	1	5568.0, 5475.0, 5342.0, 5592.0, 5385.0, 5587.0, 5276.0, 5606.0, 5548.0, 5444.0, 5358.0, 5419.0, 5442.0, 5282.0, 5325.0, 5561.0, 5486.0, 5265.0, 5605.0, 5441.0, 5491.0, 5502.0, 5640.0, 5374.0, 5413.0, 5714.0, 5321.0, 5254.0, 5634.0, 5661.0, 5338.0, 5669.0, 5710.0, 5665.0, 5649.0,

						5436.0, 5457.0, 5431.0, 5722.0, 5535.0, 5497.0, 5461.0, 5703.0, 5659.0, 5456.0, 5324.0, 5711.0, 5311.0, 5573.0, 5684.0, 5524.0, 5538.0, 5317.0, 5298.0, 5348.0, 5307.0, 5361.0, 5489.0, 5673.0, 5668.0, 5473.0, 5683.0, 5399.0, 5654.0, 5404.0, 5308.0, 5256.0, 5559.0, 5594.0, 5332.0, 5597.0, 5341.0, 5600.0, 5364.0, 5697.0, 5562.0, 5590.0, 5405.0, 5626.0, 5255.0, 5539.0, 5312.0, 5724.0, 5262.0, 5720.0, 5637.0, 5252.0, 5270.0, 5301.0, 5593.0, 5645.0, 5643.0, 5415.0, 5483.0, 5433.0, 5412.0, 5508.0, 5698.0, 5509.0, 5329.0 (number of hits: 4)
13	5530.0	9	1.0	333	1	5320.0, 5514.0, 5655.0, 5340.0, 5672.0, 5376.0, 5415.0, 5461.0, 5280.0, 5678.0, 5448.0, 5538.0, 5604.0, 5658.0, 5533.0, 5609.0, 5349.0, 5563.0, 5360.0, 5636.0, 5434.0, 5606.0, 5539.0, 5352.0, 5284.0, 5706.0, 5712.0, 5585.0, 5483.0, 5329.0, 5524.0, 5624.0, 5708.0, 5565.0, 5657.0, 5654.0, 5270.0, 5271.0, 5520.0, 5715.0, 5466.0, 5676.0, 5502.0, 5296.0, 5526.0, 5673.0, 5675.0, 5355.0, 5481.0, 5650.0, 5555.0, 5601.0, 5633.0, 5266.0, 5416.0, 5567.0, 5504.0, 5392.0, 5623.0, 5303.0, 5630.0, 5295.0, 5443.0, 5634.0, 5464.0, 5545.0, 5304.0, 5402.0, 5494.0, 5382.0, 5691.0, 5559.0, 5718.0, 5614.0, 5260.0, 5298.0, 5656.0, 5722.0, 5584.0, 5369.0, 5373.0, 5579.0, 5620.0, 5372.0, 5685.0, 5337.0, 5441.0, 5380.0, 5618.0, 5317.0, 5275.0, 5306.0, 5568.0, 5645.0, 5511.0, 5397.0, 5699.0, 5556.0, 5660.0, 5362.0 (number of hits: 8)
14	5530.0	9	1.0	333	1	5647.0, 5324.0, 5364.0, 5293.0, 5256.0, 5424.0, 5345.0, 5322.0, 5697.0, 5648.0, 5614.0, 5584.0, 5270.0, 5479.0, 5304.0, 5542.0, 5433.0, 5302.0, 5418.0, 5531.0, 5604.0, 5564.0, 5297.0, 5269.0, 5627.0, 5673.0, 5414.0, 5375.0, 5711.0, 5303.0, 5393.0, 5571.0, 5658.0, 5267.0, 5612.0, 5426.0, 5390.0, 5466.0, 5462.0, 5574.0, 5516.0, 5486.0, 5484.0, 5694.0, 5383.0, 5289.0, 5491.0, 5529.0, 5438.0, 5292.0, 5497.0, 5643.0, 5534.0, 5472.0, 5458.0, 5488.0, 5480.0, 5609.0, 5633.0, 5653.0, 5589.0, 5642.0, 5558.0, 5317.0, 5463.0, 5366.0, 5320.0, 5690.0, 5651.0, 5586.0, 5291.0, 5656.0, 5279.0, 5562.0, 5432.0, 5601.0, 5367.0, 5610.0, 5555.0, 5623.0, 5358.0, 5311.0, 5625.0, 5295.0, 5500.0, 5721.0, 5251.0, 5567.0, 5348.0, 5421.0, 5686.0, 5363.0, 5554.0, 5361.0, 5684.0, 5492.0, 5553.0, 5672.0, 5621.0, 5483.0 (number of hits: 5)
15	5530.0	9	1.0	333	1	5399.0, 5408.0, 5509.0, 5252.0, 5315.0, 5330.0, 5489.0, 5719.0, 5534.0, 5590.0, 5393.0, 5627.0, 5277.0, 5504.0, 5495.0, 5647.0, 5288.0, 5560.0, 5606.0, 5380.0, 5305.0, 5253.0, 5471.0, 5427.0, 5498.0,

						5663.0, 5703.0, 5525.0, 5645.0, 5412.0, 5533.0, 5581.0, 5298.0, 5665.0, 5528.0, 5411.0, 5587.0, 5293.0, 5603.0, 5452.0, 5272.0, 5338.0, 5382.0, 5331.0, 5580.0, 5685.0, 5688.0, 5660.0, 5656.0, 5319.0, 5646.0, 5716.0, 5349.0, 5600.0, 5515.0, 5661.0, 5654.0, 5705.0, 5341.0, 5702.0, 5398.0, 5616.0, 5470.0, 5624.0, 5715.0, 5550.0, 5273.0, 5352.0, 5301.0, 5291.0, 5641.0, 5564.0, 5675.0, 5335.0, 5650.0, 5390.0, 5500.0, 5326.0, 5695.0, 5535.0, 5561.0, 5409.0, 5365.0, 5325.0, 5333.0, 5417.0, 5475.0, 5664.0, 5691.0, 5322.0, 5375.0, 5456.0, 5461.0, 5262.0, 5612.0, 5328.0, 5662.0, 5595.0, 5638.0, 5621.0 (number of hits: 6)
16	5530.0	9	1.0	333	1	5557.0, 5274.0, 5519.0, 5610.0, 5461.0, 5611.0, 5315.0, 5259.0, 5407.0, 5619.0, 5281.0, 5527.0, 5698.0, 5627.0, 5332.0, 5634.0, 5430.0, 5267.0, 5621.0, 5524.0, 5301.0, 5659.0, 5536.0, 5502.0, 5371.0, 5691.0, 5692.0, 5333.0, 5270.0, 5436.0, 5669.0, 5655.0, 5720.0, 5588.0, 5593.0, 5494.0, 5297.0, 5697.0, 5639.0, 5679.0, 5612.0, 5620.0, 5657.0, 5396.0, 5543.0, 5470.0, 5354.0, 5451.0, 5325.0, 5680.0, 5289.0, 5600.0, 5668.0, 5337.0, 5630.0, 5477.0, 5464.0, 5370.0, 5288.0, 5277.0, 5637.0, 5468.0, 5549.0, 5403.0, 5443.0, 5460.0, 5676.0, 5538.0, 5605.0, 5576.0, 5311.0, 5674.0, 5546.0, 5360.0, 5283.0, 5339.0, 5264.0, 5633.0, 5577.0, 5322.0, 5653.0, 5541.0, 5308.0, 5321.0, 5648.0, 5564.0, 5402.0, 5457.0, 5363.0, 5486.0, 5529.0, 5717.0, 5589.0, 5709.0, 5495.0, 5528.0, 5276.0, 5647.0, 5367.0, 5550.0 (number of hits: 10)
17	5530.0	9	1.0	333	1	5347.0, 5393.0, 5553.0, 5258.0, 5337.0, 5488.0, 5447.0, 5315.0, 5411.0, 5614.0, 5685.0, 5558.0, 5272.0, 5530.0, 5265.0, 5281.0, 5550.0, 5531.0, 5271.0, 5435.0, 5540.0, 5574.0, 5382.0, 5661.0, 5565.0, 5303.0, 5665.0, 5286.0, 5452.0, 5618.0, 5494.0, 5340.0, 5362.0, 5275.0, 5703.0, 5395.0, 5423.0, 5301.0, 5589.0, 5462.0, 5672.0, 5551.0, 5629.0, 5570.0, 5359.0, 5582.0, 5495.0, 5599.0, 5607.0, 5676.0, 5427.0, 5496.0, 5700.0, 5644.0, 5349.0, 5580.0, 5567.0, 5378.0, 5373.0, 5576.0, 5380.0, 5670.0, 5602.0, 5505.0, 5640.0, 5454.0, 5409.0, 5472.0, 5529.0, 5446.0, 5463.0, 5624.0, 5693.0, 5363.0, 5455.0, 5331.0, 5324.0, 5671.0, 5678.0, 5460.0, 5445.0, 5441.0, 5384.0, 5686.0, 5600.0, 5535.0, 5386.0, 5712.0, 5681.0, 5254.0, 5539.0, 5413.0, 5591.0, 5323.0, 5314.0, 5705.0, 5320.0, 5336.0, 5474.0, 5604.0 (number of hits: 6)
18	5530.0	9	1.0	333	1	5690.0, 5550.0, 5326.0, 5289.0, 5539.0, 5494.0, 5715.0, 5722.0, 5501.0, 5369.0, 5279.0, 5413.0, 5514.0, 5403.0, 5529.0,

						5463.0, 5280.0, 5619.0, 5667.0, 5351.0, 5274.0, 5393.0, 5557.0, 5681.0, 5425.0, 5481.0, 5536.0, 5317.0, 5328.0, 5545.0, 5520.0, 5383.0, 5461.0, 5671.0, 5585.0, 5543.0, 5518.0, 5459.0, 5438.0, 5642.0, 5531.0, 5530.0, 5525.0, 5714.0, 5602.0, 5512.0, 5436.0, 5621.0, 5631.0, 5639.0, 5386.0, 5596.0, 5299.0, 5395.0, 5341.0, 5659.0, 5332.0, 5276.0, 5277.0, 5350.0, 5572.0, 5429.0, 5576.0, 5592.0, 5268.0, 5366.0, 5504.0, 5563.0, 5560.0, 5260.0, 5318.0, 5509.0, 5352.0, 5263.0, 5618.0, 5581.0, 5537.0, 5322.0, 5684.0, 5311.0, 5616.0, 5617.0, 5719.0, 5674.0, 5266.0, 5292.0, 5562.0, 5565.0, 5340.0, 5687.0, 5284.0, 5475.0, 5713.0, 5407.0, 5712.0, 5651.0, 5523.0, 5427.0, 5561.0, 5451.0 (number of hits: 14)
19	5530.0	9	1.0	333	1	5565.0, 5605.0, 5426.0, 5328.0, 5636.0, 5538.0, 5459.0, 5469.0, 5360.0, 5395.0, 5630.0, 5718.0, 5363.0, 5392.0, 5609.0, 5353.0, 5364.0, 5479.0, 5337.0, 5643.0, 5398.0, 5666.0, 5618.0, 5644.0, 5311.0, 5338.0, 5619.0, 5445.0, 5427.0, 5507.0, 5494.0, 5624.0, 5528.0, 5651.0, 5554.0, 5436.0, 5518.0, 5282.0, 5650.0, 5387.0, 5502.0, 5614.0, 5299.0, 5292.0, 5545.0, 5410.0, 5594.0, 5523.0, 5530.0, 5586.0, 5293.0, 5653.0, 5547.0, 5366.0, 5464.0, 5608.0, 5613.0, 5370.0, 5563.0, 5270.0, 5575.0, 5600.0, 5451.0, 5714.0, 5453.0, 5724.0, 5294.0, 5303.0, 5275.0, 5419.0, 5456.0, 5477.0, 5322.0, 5701.0, 5380.0, 5394.0, 5397.0, 5495.0, 5673.0, 5251.0, 5582.0, 5560.0, 5491.0, 5680.0, 5548.0, 5670.0, 5504.0, 5466.0, 5379.0, 5695.0, 5592.0, 5572.0, 5455.0, 5710.0, 5717.0, 5665.0, 5312.0, 5470.0, 5321.0, 5288.0 (number of hits: 7)
20	5530.0	9	1.0	333	1	5255.0, 5633.0, 5430.0, 5619.0, 5601.0, 5650.0, 5341.0, 5382.0, 5525.0, 5560.0, 5634.0, 5585.0, 5333.0, 5267.0, 5632.0, 5629.0, 5373.0, 5519.0, 5440.0, 5494.0, 5547.0, 5534.0, 5455.0, 5258.0, 5703.0, 5513.0, 5462.0, 5343.0, 5264.0, 5303.0, 5414.0, 5293.0, 5359.0, 5532.0, 5349.0, 5606.0, 5346.0, 5520.0, 5686.0, 5671.0, 5286.0, 5666.0, 5714.0, 5716.0, 5503.0, 5473.0, 5695.0, 5273.0, 5620.0, 5321.0, 5539.0, 5347.0, 5603.0, 5677.0, 5287.0, 5657.0, 5421.0, 5325.0, 5262.0, 5689.0, 5418.0, 5545.0, 5522.0, 5660.0, 5699.0, 5692.0, 5312.0, 5502.0, 5284.0, 5589.0, 5461.0, 5353.0, 5348.0, 5597.0, 5648.0, 5611.0, 5369.0, 5646.0, 5474.0, 5486.0, 5260.0, 5328.0, 5395.0, 5604.0, 5336.0, 5663.0, 5712.0, 5516.0, 5261.0, 5565.0, 5437.0, 5656.0, 5317.0, 5272.0, 5401.0, 5452.0, 5345.0, 5304.0, 5302.0, 5450.0 (number of hits: 11)
21	5530.0	9	1.0	333	1	5439.0, 5404.0, 5590.0, 5575.0, 5431.0,

						5461.0, 5413.0, 5296.0, 5509.0, 5273.0, 5627.0, 5353.0, 5633.0, 5663.0, 5502.0, 5638.0, 5624.0, 5417.0, 5260.0, 5382.0, 5650.0, 5256.0, 5714.0, 5700.0, 5600.0, 5702.0, 5388.0, 5416.0, 5366.0, 5523.0, 5428.0, 5545.0, 5535.0, 5274.0, 5562.0, 5719.0, 5396.0, 5342.0, 5576.0, 5368.0, 5436.0, 5340.0, 5698.0, 5364.0, 5519.0, 5640.0, 5347.0, 5592.0, 5589.0, 5302.0, 5326.0, 5290.0, 5383.0, 5452.0, 5420.0, 5581.0, 5723.0, 5607.0, 5577.0, 5252.0, 5542.0, 5686.0, 5401.0, 5485.0, 5427.0, 5529.0, 5425.0, 5435.0, 5603.0, 5706.0, 5343.0, 5277.0, 5307.0, 5506.0, 5458.0, 5587.0, 5538.0, 5251.0, 5450.0, 5264.0, 5681.0, 5642.0, 5508.0, 5327.0, 5371.0, 5293.0, 5272.0, 5496.0, 5597.0, 5369.0, 5556.0, 5393.0, 5537.0, 5516.0, 5571.0, 5656.0, 5378.0, 5276.0, 5330.0, 5321.0 (number of hits: 9)
22	5530.0	9	1.0	333	1	5283.0, 5700.0, 5707.0, 5271.0, 5404.0, 5474.0, 5477.0, 5406.0, 5375.0, 5304.0, 5391.0, 5597.0, 5387.0, 5303.0, 5572.0, 5577.0, 5376.0, 5493.0, 5383.0, 5649.0, 5605.0, 5632.0, 5641.0, 5508.0, 5706.0, 5608.0, 5354.0, 5701.0, 5614.0, 5292.0, 5256.0, 5566.0, 5456.0, 5504.0, 5280.0, 5273.0, 5688.0, 5633.0, 5539.0, 5444.0, 5642.0, 5384.0, 5650.0, 5478.0, 5488.0, 5578.0, 5690.0, 5358.0, 5534.0, 5407.0, 5615.0, 5288.0, 5297.0, 5426.0, 5480.0, 5569.0, 5364.0, 5465.0, 5481.0, 5550.0, 5562.0, 5675.0, 5277.0, 5638.0, 5500.0, 5672.0, 5268.0, 5392.0, 5714.0, 5489.0, 5695.0, 5411.0, 5498.0, 5318.0, 5425.0, 5473.0, 5335.0, 5510.0, 5310.0, 5613.0, 5462.0, 5413.0, 5544.0, 5295.0, 5616.0, 5720.0, 5609.0, 5588.0, 5394.0, 5321.0, 5686.0, 5322.0, 5601.0, 5724.0, 5526.0, 5594.0, 5417.0, 5294.0, 5352.0, 5313.0 (number of hits: 4)
23	5530.0	9	1.0	333	1	5609.0, 5635.0, 5444.0, 5581.0, 5399.0, 5374.0, 5430.0, 5553.0, 5368.0, 5407.0, 5401.0, 5375.0, 5503.0, 5415.0, 5668.0, 5465.0, 5498.0, 5696.0, 5445.0, 5567.0, 5441.0, 5434.0, 5683.0, 5709.0, 5676.0, 5275.0, 5413.0, 5257.0, 5371.0, 5546.0, 5511.0, 5457.0, 5621.0, 5607.0, 5648.0, 5382.0, 5389.0, 5490.0, 5624.0, 5420.0, 5376.0, 5379.0, 5334.0, 5606.0, 5298.0, 5422.0, 5558.0, 5277.0, 5619.0, 5563.0, 5638.0, 5478.0, 5705.0, 5642.0, 5280.0, 5573.0, 5589.0, 5260.0, 5483.0, 5452.0, 5329.0, 5639.0, 5576.0, 5425.0, 5692.0, 5662.0, 5569.0, 5306.0, 5462.0, 5305.0, 5535.0, 5602.0, 5351.0, 5540.0, 5348.0, 5556.0, 5491.0, 5677.0, 5482.0, 5714.0, 5412.0, 5630.0, 5528.0, 5516.0, 5360.0, 5469.0, 5522.0, 5477.0, 5667.0, 5456.0, 5717.0, 5327.0, 5591.0, 5484.0, 5524.0, 5450.0, 5475.0, 5597.0, 5689.0, 5623.0

						(number of hits: 7)
24	5530.0	9	1.0	333	1	5663.0, 5670.0, 5346.0, 5626.0, 5481.0, 5352.0, 5542.0, 5438.0, 5605.0, 5724.0, 5379.0, 5714.0, 5558.0, 5289.0, 5386.0, 5468.0, 5540.0, 5325.0, 5591.0, 5305.0, 5650.0, 5452.0, 5521.0, 5477.0, 5355.0, 5437.0, 5303.0, 5581.0, 5272.0, 5286.0, 5296.0, 5493.0, 5578.0, 5375.0, 5571.0, 5304.0, 5545.0, 5317.0, 5648.0, 5444.0, 5394.0, 5597.0, 5706.0, 5406.0, 5251.0, 5717.0, 5281.0, 5416.0, 5436.0, 5647.0, 5473.0, 5380.0, 5370.0, 5347.0, 5487.0, 5505.0, 5454.0, 5276.0, 5411.0, 5369.0, 5623.0, 5378.0, 5408.0, 5708.0, 5366.0, 5583.0, 5551.0, 5488.0, 5407.0, 5302.0, 5716.0, 5260.0, 5496.0, 5656.0, 5682.0, 5351.0, 5565.0, 5509.0, 5480.0, 5288.0, 5278.0, 5372.0, 5635.0, 5297.0, 5264.0, 5641.0, 5439.0, 5361.0, 5696.0, 5322.0, 5339.0, 5460.0, 5599.0, 5557.0, 5321.0, 5576.0, 5254.0, 5701.0, 5616.0, 5319.0 (number of hits: 4)
25	5530.0	9	1.0	333	1	5665.0, 5564.0, 5522.0, 5640.0, 5600.0, 5567.0, 5681.0, 5635.0, 5292.0, 5354.0, 5347.0, 5486.0, 5374.0, 5576.0, 5294.0, 5594.0, 5271.0, 5401.0, 5636.0, 5351.0, 5295.0, 5649.0, 5417.0, 5663.0, 5450.0, 5625.0, 5532.0, 5675.0, 5499.0, 5255.0, 5485.0, 5426.0, 5505.0, 5534.0, 5551.0, 5657.0, 5671.0, 5721.0, 5335.0, 5404.0, 5421.0, 5711.0, 5430.0, 5385.0, 5378.0, 5608.0, 5423.0, 5337.0, 5398.0, 5466.0, 5488.0, 5662.0, 5482.0, 5558.0, 5441.0, 5502.0, 5624.0, 5631.0, 5643.0, 5541.0, 5550.0, 5656.0, 5273.0, 5474.0, 5380.0, 5467.0, 5716.0, 5448.0, 5357.0, 5395.0, 5388.0, 5469.0, 5408.0, 5349.0, 5298.0, 5557.0, 5630.0, 5620.0, 5352.0, 5504.0, 5387.0, 5584.0, 5259.0, 5715.0, 5461.0, 5519.0, 5610.0, 5369.0, 5518.0, 5330.0, 5375.0, 5300.0, 5566.0, 5512.0, 5371.0, 5513.0, 5270.0, 5321.0, 5719.0, 5289.0 (number of hits: 8)
26	5530.0	9	1.0	333	1	5706.0, 5525.0, 5693.0, 5338.0, 5681.0, 5562.0, 5700.0, 5256.0, 5352.0, 5600.0, 5420.0, 5553.0, 5313.0, 5255.0, 5381.0, 5521.0, 5263.0, 5646.0, 5555.0, 5413.0, 5412.0, 5318.0, 5720.0, 5606.0, 5556.0, 5385.0, 5644.0, 5414.0, 5568.0, 5357.0, 5691.0, 5572.0, 5480.0, 5626.0, 5503.0, 5317.0, 5438.0, 5323.0, 5571.0, 5603.0, 5359.0, 5253.0, 5344.0, 5365.0, 5645.0, 5722.0, 5613.0, 5523.0, 5384.0, 5605.0, 5466.0, 5350.0, 5339.0, 5500.0, 5682.0, 5452.0, 5671.0, 5701.0, 5371.0, 5684.0, 5479.0, 5430.0, 5534.0, 5548.0, 5372.0, 5501.0, 5714.0, 5543.0, 5514.0, 5564.0, 5510.0, 5588.0, 5674.0, 5649.0, 5586.0, 5686.0, 5502.0, 5332.0, 5397.0, 5315.0, 5666.0, 5428.0, 5299.0, 5670.0, 5529.0, 5461.0, 5541.0, 5697.0, 5320.0, 5696.0,

						5554.0, 5676.0, 5390.0, 5457.0, 5663.0, 5330.0, 5456.0, 5592.0, 5526.0, 5511.0 (number of hits: 9)
27	5530.0	9	1.0	333	1	5349.0, 5601.0, 5383.0, 5543.0, 5678.0, 5493.0, 5441.0, 5591.0, 5657.0, 5529.0, 5575.0, 5448.0, 5365.0, 5320.0, 5638.0, 5307.0, 5350.0, 5319.0, 5647.0, 5475.0, 5394.0, 5374.0, 5541.0, 5285.0, 5698.0, 5457.0, 5451.0, 5453.0, 5549.0, 5720.0, 5580.0, 5355.0, 5548.0, 5338.0, 5687.0, 5555.0, 5649.0, 5468.0, 5312.0, 5471.0, 5465.0, 5302.0, 5641.0, 5625.0, 5480.0, 5262.0, 5341.0, 5603.0, 5521.0, 5489.0, 5516.0, 5483.0, 5317.0, 5608.0, 5288.0, 5536.0, 5405.0, 5474.0, 5258.0, 5556.0, 5454.0, 5311.0, 5504.0, 5309.0, 5581.0, 5406.0, 5533.0, 5650.0, 5675.0, 5624.0, 5552.0, 5336.0, 5359.0, 5445.0, 5607.0, 5642.0, 5376.0, 5700.0, 5630.0, 5722.0, 5507.0, 5610.0, 5618.0, 5486.0, 5502.0, 5599.0, 5413.0, 5656.0, 5563.0, 5257.0, 5361.0, 5562.0, 5560.0, 5682.0, 5524.0, 5304.0, 5538.0, 5705.0, 5494.0, 5308.0 (number of hits: 9)
28	5530.0	9	1.0	333	1	5400.0, 5536.0, 5274.0, 5658.0, 5590.0, 5405.0, 5474.0, 5408.0, 5446.0, 5269.0, 5566.0, 5530.0, 5570.0, 5583.0, 5600.0, 5487.0, 5706.0, 5300.0, 5271.0, 5654.0, 5440.0, 5264.0, 5611.0, 5280.0, 5627.0, 5696.0, 5308.0, 5666.0, 5523.0, 5444.0, 5403.0, 5703.0, 5270.0, 5282.0, 5351.0, 5622.0, 5642.0, 5307.0, 5355.0, 5538.0, 5267.0, 5443.0, 5591.0, 5617.0, 5393.0, 5503.0, 5293.0, 5693.0, 5432.0, 5466.0, 5520.0, 5451.0, 5251.0, 5588.0, 5273.0, 5558.0, 5508.0, 5582.0, 5552.0, 5378.0, 5647.0, 5397.0, 5460.0, 5316.0, 5377.0, 5361.0, 5457.0, 5656.0, 5605.0, 5352.0, 5684.0, 5550.0, 5402.0, 5381.0, 5514.0, 5569.0, 5609.0, 5564.0, 5526.0, 5454.0, 5531.0, 5424.0, 5337.0, 5643.0, 5494.0, 5565.0, 5518.0, 5410.0, 5333.0, 5577.0, 5667.0, 5388.0, 5321.0, 5385.0, 5256.0, 5266.0, 5449.0, 5505.0, 5502.0, 5357.0 (number of hits: 9)
29	5530.0	9	1.0	333	1	5368.0, 5658.0, 5399.0, 5439.0, 5301.0, 5336.0, 5565.0, 5288.0, 5373.0, 5333.0, 5536.0, 5396.0, 5308.0, 5457.0, 5458.0, 5330.0, 5438.0, 5454.0, 5277.0, 5289.0, 5687.0, 5571.0, 5535.0, 5415.0, 5560.0, 5447.0, 5675.0, 5317.0, 5508.0, 5371.0, 5337.0, 5688.0, 5320.0, 5357.0, 5263.0, 5451.0, 5466.0, 5605.0, 5314.0, 5683.0, 5482.0, 5340.0, 5484.0, 5485.0, 5667.0, 5342.0, 5424.0, 5379.0, 5533.0, 5476.0, 5718.0, 5637.0, 5437.0, 5681.0, 5344.0, 5582.0, 5584.0, 5402.0, 5534.0, 5695.0, 5375.0, 5260.0, 5299.0, 5511.0, 5398.0, 5305.0, 5609.0, 5602.0, 5569.0, 5504.0, 5692.0, 5562.0, 5612.0, 5616.0, 5651.0, 5661.0, 5713.0, 5628.0, 5666.0, 5428.0,

						5474.0, 5433.0, 5455.0, 5585.0, 5410.0, 5572.0, 5450.0, 5434.0, 5518.0, 5573.0, 5349.0, 5477.0, 5417.0, 5383.0, 5659.0, 5519.0, 5276.0, 5463.0, 5335.0, 5587.0 (number of hits: 6)
30	5530.0	9	1.0	333	1	5706.0, 5559.0, 5294.0, 5281.0, 5474.0, 5478.0, 5534.0, 5505.0, 5511.0, 5289.0, 5647.0, 5353.0, 5431.0, 5498.0, 5427.0, 5600.0, 5327.0, 5508.0, 5462.0, 5690.0, 5562.0, 5311.0, 5324.0, 5575.0, 5266.0, 5597.0, 5417.0, 5591.0, 5287.0, 5301.0, 5456.0, 5683.0, 5382.0, 5697.0, 5548.0, 5535.0, 5367.0, 5343.0, 5719.0, 5698.0, 5352.0, 5410.0, 5610.0, 5637.0, 5666.0, 5484.0, 5642.0, 5626.0, 5255.0, 5334.0, 5252.0, 5317.0, 5609.0, 5718.0, 5257.0, 5415.0, 5615.0, 5449.0, 5361.0, 5673.0, 5340.0, 5656.0, 5717.0, 5661.0, 5684.0, 5329.0, 5709.0, 5390.0, 5566.0, 5599.0, 5323.0, 5564.0, 5276.0, 5342.0, 5270.0, 5389.0, 5444.0, 5414.0, 5571.0, 5275.0, 5606.0, 5395.0, 5466.0, 5552.0, 5646.0, 5657.0, 5445.0, 5589.0, 5303.0, 5388.0, 5292.0, 5651.0, 5619.0, 5356.0, 5696.0, 5524.0, 5643.0, 5481.0, 5639.0, 5616.0 (number of hits: 3)

Client 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	86.7 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	90 %	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	86	1.0	618	1
2	70	1.0	758	1
3	62	1.0	858	1
4	95	1.0	558	1
5	78	1.0	678	1
6	102	1.0	518	1
7	72	1.0	738	1
8	58	1.0	918	1
9	99	1.0	538	1
10	83	1.0	638	1
11	63	1.0	838	1
12	89	1.0	598	1
13	68	1.0	778	1
14	92	1.0	578	1
15	67	1.0	798	1
1	36	1.0	1501	1
2	27	1.0	1987	1
3	32	1.0	1672	1
4	32	1.0	1671	1
5	20	1.0	2746	1
6	36	1.0	1474	1
7	30	1.0	1779	1
8	30	1.0	1814	1
9	18	1.0	3015	1
10	28	1.0	1892	1
11	71	1.0	752	1
12	76	1.0	701	1
13	19	1.0	2867	1
14	33	1.0	1616	1
15	19	1.0	2879	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	24	2.9	172	1
2	24	4.9	225	1
3	26	2.6	166	1
4	24	1.9	223	1
5	27	3.3	187	1
6	25	4.1	218	1
7	23	4.6	192	1
8	24	2.9	216	0
9	24	3.5	220	1
10	23	5.0	217	1
11	23	4.4	210	1
12	27	3.8	197	1
13	29	1.5	188	1
14	26	3.8	225	1
15	29	4.6	191	1
16	24	4.5	178	1
17	28	2.8	219	1
18	29	3.7	228	1
19	23	3.3	173	1
20	24	1.5	154	1
21	28	2.9	150	0
22	23	4.9	177	1
23	28	3.6	170	1
24	24	4.2	181	1
25	27	2.5	202	1
26	24	4.6	166	1
27	26	4.8	220	1
28	23	2.8	214	0
29	29	3.0	177	1
30	26	2.0	200	0
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	16	6.8	371	1
2	16	8.7	304	1
3	18	9.2	437	1
4	18	8.3	286	1
5	18	6.4	406	1
6	18	6.2	500	1
7	17	6.6	450	0
8	16	6.6	251	1
9	17	8.9	369	1
10	18	9.7	468	1
11	17	9.7	281	0
12	16	9.2	219	1
13	18	8.6	390	1
14	18	6.9	221	1
15	18	9.0	324	1
16	16	8.6	400	1
17	18	8.4	467	0
18	17	8.2	444	1
19	16	7.3	414	1
20	18	7.8	385	1
21	17	9.3	278	1
22	17	9.7	423	1
23	17	7.5	401	1
24	16	7.4	321	1
25	18	6.2	414	1
26	17	6.4	315	0
27	17	7.0	308	1
28	18	8.5	356	1
29	18	7.8	428	1
30	18	7.9	257	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	15	14.0	200	1
2	15	16.8	285	1
3	16	16.2	205	1
4	15	12.1	370	1
5	16	17.2	338	1
6	14	16.2	235	1
7	13	19.6	213	1
8	12	15.1	217	0
9	16	12.1	205	1
10	12	19.4	498	1
11	13	14.1	218	1
12	12	19.2	423	1
13	13	12.2	478	1
14	14	17.8	468	1
15	16	15.9	338	1
16	13	17.0	310	1
17	15	12.8	480	1
18	15	12.7	428	1
19	14	13.5	299	0
20	13	16.1	248	1
21	12	13.3	354	1
22	13	15.0	389	1
23	14	14.2	343	1
24	16	14.4	336	1
25	12	15.8	311	1
26	12	12.9	315	1
27	14	18.0	324	0
28	14	16.2	251	0
29	15	17.8	439	1
30	16	15.7	389	1
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5494.4	1
12	5496.0	1
13	5497.6	1
14	5496.4	1
15	5498.8	1
16	5498.4	1
17	5497.6	1
18	5500.0	1
19	5497.2	1
20	5499.2	1
21	5561.2	1
22	5562.8	1
23	5564.4	1
24	5566.0	1
25	5560.0	1
26	5563.2	1
27	5562.0	1
28	5560.4	1
29	5562.4	1
30	5562.8	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	15	54.3	1683		0.310108	1
1	2	15	66.8	1850		1.096849	
2	2	15	53.1	1949		1.698085	
3	2	15	54.6	1128		2.194519	
4	3	15	78.4	1457	1381	2.686310	
5	2	15	55.5	1701		3.898499	
6	1	15	68.0			4.009475	
7	1	15	94.5			4.899622	
8	2	15	87.6	1152		5.612670	
9	2	15	92.2	1803		6.241608	
10	2	15	54.0	1465		6.723663	
11	1	15	99.1			7.873828	
12	1	15	78.6			8.478364	
13	2	15	73.6	1098		9.007481	
14	2	15	90.9	1276		9.391824	
15	2	15	91.8	1454		10.524230	
16	3	15	72.3	1724	1816	10.950601	
17	2	15	53.4	1574		11.957037	

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	15	92.3	1338		0.603115	1
1	2	15	69.9	1431		0.985240	
2	1	15	70.0			1.840956	
3	2	15	83.3	1528		2.125922	
4	2	15	66.1	1873		2.696407	
5	2	15	66.3	1540		3.610594	
6	2	15	62.0	1271		4.025907	
7	2	15	86.2	1804		4.667178	
8	2	15	90.6	1561		5.971781	
9	2	15	68.0	1903		6.012992	
10	1	15	55.8			7.118432	
11	1	15	52.3			7.696858	
12	3	15	85.0	1439	1921	8.400842	
13	2	15	78.4	1885		9.109481	
14	1	15	54.2			9.375835	
15	1	15	53.1			10.030731	
16	3	15	76.4	1211	1952	10.709096	
17	1	15	87.7			11.922161	

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	5	92.8	1836		0.332914	1
1	3	5	63.0	1387	1741	1.263444	
2	2	5	94.6	1377		1.825399	
3	3	5	94.4	1033	1877	2.420449	
4	2	5	75.4	1230		3.007103	
5	3	5	75.5	1368	1457	3.505178	
6	2	5	84.6	1290		4.469927	
7	2	5	84.7	1682		4.986774	
8	2	5	57.9	1101		5.907871	
9	3	5	59.1	1019	1740	6.627003	
10	3	5	85.6	1660	1406	6.741600	
11	2	5	85.7	1329		7.419652	
12	1	5	70.8			8.209729	
13	2	5	88.0	1053		8.913923	
14	2	5	96.5	1257		9.981564	
15	3	5	82.8	1657	1399	10.022877	
16	2	5	79.6	1420		10.753720	
17	2	5	90.9	1740		11.517002	

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	5	64.9	1221		0.628366	1
1	1	5	97.2			2.657564	
2	2	5	91.0	1978		3.158385	
3	2	5	68.7	1898		4.118180	
4	1	5	74.2			6.322658	
5	2	5	74.1	1392		6.827459	
6	2	5	62.0	1772		8.188914	
7	1	5	61.8			10.024716	
8	1	5	71.2			11.698754	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	96.0	1779		1.102557	
1	3	13	61.5	1750	1470	1.397520	
2	2	13	55.5	1895		3.753715	
3	2	13	79.3	1208		4.960392	
4	2	13	99.1	1936		5.956552	1
5	2	13	89.9	1401		7.189952	
6	2	13	67.0	1314		8.441227	
7	1	13	83.7			9.518128	
8	2	13	81.5	1403		11.452374	

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	68.7			0.030222	
1	1	16	63.9			0.860972	
2	2	16	67.4	1792		1.607963	
3	1	16	95.7			2.242007	
4	1	16	74.2			2.774577	
5	3	16	67.6	1216	1255	3.497460	
6	2	16	82.8	1378		4.189967	
7	2	16	95.4	1036		4.757443	
8	1	16	89.8			4.940501	
9	1	16	51.9			5.580541	
10	2	16	63.8	1085		6.292165	1
11	1	16	78.3			7.133356	
12	1	16	86.0			7.287973	
13	2	16	75.8	1351		8.003043	
14	2	16	80.1	1958		8.641754	
15	1	16	95.0			9.261845	
16	3	16	67.7	1134	1076	9.946839	
17	2	16	56.8	1745		10.596986	
18	2	16	50.7	1927		11.213659	
19	2	16	85.8	1214		11.916829	

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	13	91.9	1947	1900	0.339486	1
1	3	13	95.2	1897	1667	1.885268	
2	1	13	80.3			3.100589	
3	1	13	92.4			5.638340	
4	2	13	63.7	1143		7.414429	
5	2	13	85.2	1755		8.423158	
6	1	13	84.9			10.249856	
7	2	13	81.4	1395		11.206382	

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	16	50.2	1027		0.011217	1
1	2	16	62.3	1819		1.264382	
2	3	16	76.9	1957	1836	2.750409	
3	2	16	89.1	1208		3.948538	
4	3	16	83.8	1479	1619	5.254089	
5	1	16	88.3			6.326096	
6	1	16	82.4			6.988831	
7	2	16	64.1	1115		7.735319	
8	2	16	61.1	1630		8.945016	
9	2	16	82.1	1835		10.613952	
10	2	16	61.5	1631		11.666824	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	90.0	1839		0.337950	1
1	3	15	99.9	1242	1685	1.276254	
2	3	15	56.6	1476	1090	1.744542	
3	3	15	88.4	1279	1519	2.108765	
4	2	15	55.6	1529		3.019330	
5	2	15	81.8	1331		3.773838	
6	2	15	82.7	1019		4.539703	
7	3	15	74.3	1880	1575	5.198525	
8	2	15	99.7	1067		5.846478	
9	3	15	84.6	1623	1571	6.337069	
10	2	15	92.8	1644		6.777182	
11	1	15	88.9			7.419890	
12	1	15	55.2			8.414133	
13	1	15	99.4			9.145347	
14	3	15	85.0	1730	1138	9.446012	
15	3	15	58.3	1491	1905	10.238209	
16	2	15	61.0	1328		11.322258	
17	3	15	69.8	1659	1130	11.406220	

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	7	69.5	1699	1480	0.305896	1
1	1	7	62.3			1.577695	
2	1	7	89.9			2.460416	
3	2	7	88.5	1300		3.541970	
4	2	7	80.2	1475		4.486484	
5	2	7	58.9	1910		5.644142	
6	2	7	54.9	1043		7.149425	
7	3	7	62.2	1544	1917	8.645290	
8	2	7	88.1	1884		8.814065	
9	2	7	84.4	1745		10.340072	
10	1	7	73.0			11.606300	

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	6	71.0	1920		0.111938	
1	3	6	65.0	1629	1557	2.015365	
2	2	6	72.1	1263		3.659671	
3	3	6	63.1	1441	1533	4.847032	
4	3	6	89.2	1082	1176	5.754391	1
5	2	6	95.3	1418		7.118906	
6	3	6	55.1	1073	1449	8.594241	
7	3	6	87.6	1426	1623	10.375830	
8	2	6	62.8	1838		10.705325	

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	63.7	1020		0.611439	
1	1	10	88.4			0.863373	
2	1	10	90.8			1.861194	
3	2	10	58.4	1884		2.256248	
4	1	10	96.1			3.496357	
5	1	10	72.2			3.828203	
6	1	10	97.1			4.488793	
7	1	10	91.3			5.259339	
8	2	10	94.2	1024		6.339994	1
9	2	10	77.4	1531		6.655780	
10	1	10	59.5			7.430854	
11	1	10	56.5			7.942645	
12	2	10	92.3	1353		8.751595	
13	1	10	82.2			9.480226	
14	3	10	61.0	1105	1985	10.068548	
15	1	10	72.1			10.993966	
16	2	10	55.1	1221		11.306001	

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	14	75.3			0.455808	
1	2	14	72.4	1469		1.507176	
2	2	14	79.4	1183		2.314808	
3	3	14	93.5	1523	1953	3.983276	
4	2	14	68.8	1055		4.660073	
5	2	14	90.4	1095		5.727941	1
6	2	14	52.1	1784		7.040983	
7	3	14	58.2	1881	1779	8.338819	
8	2	14	77.8	1021		8.870864	
9	2	14	96.7	1511		10.212892	
10	1	14	59.7			10.987070	

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	64.4	1729		0.732286	
1	1	11	58.6			1.125385	
2	2	11	92.0	1401		2.170764	
3	1	11	80.4			2.575295	
4	3	11	78.6	1034	1814	3.044175	
5	2	11	78.5	1892		3.843066	
6	2	11	69.3	1990		4.569759	
7	1	11	76.8			5.644642	
8	2	11	58.1	1157		6.343384	1
9	2	11	66.1	1801		7.008388	
10	2	11	54.2	1025		8.196444	
11	2	11	74.5	1969		8.493911	
12	2	11	65.9	1085		9.376156	
13	1	11	81.6			9.755988	
14	1	11	50.1			10.967478	
15	1	11	93.0			11.671731	

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	17	67.1	1147	1012	0.714625	1
1	2	17	92.6	1523		0.778730	
2	2	17	57.0	1054		2.109104	
3	3	17	79.4	1589	1043	2.543666	
4	2	17	70.0	1717		3.060223	
5	3	17	72.7	1719	1098	4.062698	
6	2	17	97.6	1488		4.855943	
7	2	17	82.9	1958		5.695853	
8	2	17	98.2	1839		6.330019	
9	3	17	96.2	1274	1091	7.361144	
10	2	17	65.0	1411		7.951068	
11	2	17	68.1	1385		8.445364	
12	1	17	83.2			9.001581	
13	3	17	94.8	1345	1171	9.963741	
14	2	17	67.3	1539		10.615464	
15	2	17	96.2	1413		11.354624	

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	16	53.9	1469		0.462906	1
1	3	16	59.4	1086	1408	1.306955	
2	2	16	95.3	1209		1.814764	
3	3	16	79.3	1918	1866	2.609091	
4	2	16	76.2	1278		3.260448	
5	2	16	83.3	1941		4.288572	
6	2	16	51.2	1125		5.577166	
7	1	16	64.2			5.636707	
8	1	16	71.2			6.849714	
9	2	16	97.6	1703		7.238869	
10	2	16	52.9	1577		8.063219	
11	2	16	69.3	1192		9.015461	
12	1	16	91.1			9.635277	
13	3	16	53.3	1587	1208	11.114774	
14	1	16	56.9			11.790193	

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	14	99.4	1750		0.642036	1
1	3	14	60.4	1978	1223	1.051809	
2	1	14	58.6			2.164266	
3	2	14	56.4	1793		2.745277	
4	3	14	56.9	1133	1045	3.369103	
5	2	14	72.2	1889		4.122921	
6	2	14	58.4	1826		4.886540	
7	2	14	51.7	1337		5.303904	
8	1	14	95.0			6.346137	
9	2	14	55.9	1622		7.256769	
10	3	14	82.6	1691	1974	7.826602	
11	1	14	63.0			8.670289	
12	2	14	59.2	1811		9.637470	
13	1	14	87.9			9.938430	
14	1	14	75.1			11.017213	
15	1	14	68.1			11.374731	

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	20	66.4	1004		0.815813	1
1	2	20	56.2	1321		1.777524	
2	3	20	92.2	1125	1767	3.317920	
3	1	20	51.6			5.157383	
4	1	20	73.0			5.392340	
5	2	20	66.9	1307		7.789681	
6	3	20	88.0	1165	1383	8.208486	
7	1	20	50.3			9.587583	
8	2	20	66.0	1756		10.947245	

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	54.3	1037		0.410884	
1	2	13	50.6	1517		1.656999	
2	2	13	64.3	1869		2.386623	
3	1	13	57.4			3.448272	
4	1	13	84.1			4.093987	
5	2	13	95.2	1804		4.859961	
6	3	13	97.7	1642	1896	5.866634	1
7	1	13	53.4			7.151409	
8	2	13	51.4	1204		8.086651	
9	2	13	68.7	1700		8.860214	
10	3	13	85.1	1711	1563	9.382671	
11	3	13	67.8	1651	1768	10.176593	
12	1	13	52.9			11.328319	

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	82.2	1026		0.464751	
1	1	18	62.4			1.117908	
2	2	18	71.2	1026		1.734221	
3	2	18	74.7	1699		2.535136	
4	2	18	62.8	1656		3.358470	
5	2	18	66.8	1926		3.975759	
6	2	18	61.1	1266		4.502321	
7	2	18	56.5	1960		5.522234	
8	2	18	53.8	1024		5.814901	1
9	1	18	63.0			6.503118	
10	2	18	68.7	1406		7.675587	
11	3	18	59.3	1549	1546	7.834344	
12	2	18	62.9	1842		8.685797	
13	2	18	64.1	1464		9.495233	
14	1	18	98.9			10.273286	
15	1	18	92.0			11.162665	
16	1	18	83.0			11.389575	

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	17	84.8	1524		0.300168	
1	1	17	73.7			0.973595	
2	3	17	88.7	1012	1806	1.271698	
3	2	17	57.6	1125		1.973712	
4	2	17	85.2	1870		2.838167	
5	2	17	62.7	1948		3.600768	
6	2	17	98.7	1682		3.850662	
7	3	17	97.1	1678	1787	4.448173	
8	2	17	94.2	1447		5.583522	
9	2	17	88.1	1134		5.911699	1
10	3	17	70.3	1797	1756	6.551539	
11	2	17	53.1	1938		7.224016	
12	2	17	97.2	1070		7.880745	
13	3	17	70.1	1724	1731	8.555484	
14	1	17	93.2			9.045098	
15	3	17	94.4	1621	1105	9.938669	
16	2	17	70.8	1290		10.227962	
17	2	17	62.3	1909		11.042342	
18	3	17	87.3	1261	1891	11.619009	

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	79.7	1210		0.848756	
1	2	13	92.9	1695		1.636082	
2	2	13	67.8	1863		1.957776	
3	1	13	67.6			3.399190	
4	3	13	96.4	1347	1616	3.787672	
5	3	13	90.7	1348	1830	5.215914	
6	1	13	91.9			6.263701	1
7	2	13	77.1	1607		6.560647	
8	3	13	75.9	1528	1056	8.275138	
9	2	13	73.1	1691		9.042040	
10	1	13	59.4			9.699769	
11	2	13	67.4	1313		10.809415	
12	3	13	79.3	1384	1311	11.164297	

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	9	93.7			0.157463	
1	2	9	84.5	1691		1.679004	
2	1	9	60.6			3.239423	
3	2	9	59.7	1921		3.438956	
4	1	9	58.7			4.770921	
5	1	9	82.6			5.459851	1
6	2	9	86.9	1920		7.188108	
7	2	9	97.9	1477		8.187187	
8	3	9	85.0	1589	1251	9.262039	
9	2	9	63.2	1217		10.336395	
10	2	9	55.8	1048		11.582289	

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	5	72.4	1334		0.133197	
1	1	5	95.1			1.616166	
2	1	5	53.4			2.422219	
3	2	5	71.4	1734		3.961707	
4	2	5	71.5	1854		4.665895	
5	2	5	66.7	1712		5.927082	1
6	3	5	98.3	1370	1264	6.906916	
7	2	5	78.5	1201		8.705189	
8	2	5	54.6	1759		8.766282	
9	1	5	83.0			10.453559	
10	1	5	91.6			11.874222	

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	20	63.9			0.794754	
1	2	20	85.5	1587		1.505638	
2	2	20	57.0	1108		3.297676	
3	1	20	95.0			5.217016	
4	3	20	77.6	1712	1094	6.034570	1
5	2	20	74.6	1019		7.419250	
6	3	20	94.9	1831	1163	8.951488	
7	2	20	78.0	1303		9.993139	
8	2	20	78.8	1977		11.582995	

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	58.1	1374		0.200394	
1	1	12	74.6			1.017853	
2	3	12	61.6	1801	1887	2.099835	
3	2	12	53.4	1663		2.203369	
4	3	12	80.9	1197	1286	2.875996	
5	2	12	63.8	1511		3.790190	
6	2	12	58.5	1225		4.936865	
7	2	12	91.6	1839		5.064716	
8	3	12	74.7	1245	1180	6.105812	1
9	2	12	59.3	1624		6.686590	
10	3	12	60.2	1268	1424	7.355435	
11	1	12	65.0			8.433670	
12	2	12	90.7	1199		8.762607	
13	2	12	99.5	1545		9.365460	
14	2	12	95.0	1841		10.375086	
15	1	12	86.4			11.012922	
16	1	12	78.0			11.718692	

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	15	95.6	1026	1779	0.171907	
1	3	15	71.9	1689	1671	1.858994	
2	1	15	86.7			3.071882	
3	2	15	57.8	1048		3.600315	
4	2	15	72.0	1032		5.588216	1
5	2	15	96.6	1818		6.431666	
6	3	15	52.0	1927	1735	7.665968	
7	2	15	76.9	1086		8.465725	
8	3	15	89.9	1478	1539	9.881385	
9	1	15	56.4			11.336805	

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	19	84.3	1423	1827	0.400549	
1	2	19	79.7	1989		1.294690	
2	1	19	51.8			1.610322	
3	2	19	58.9	1169		2.828832	
4	2	19	60.1	1603		3.560643	
5	2	19	62.7	1673		4.196327	
6	2	19	92.3	1055		5.566678	
7	3	19	65.8	1466	1214	5.886437	1
8	3	19	86.5	1137	1823	7.045630	
9	2	19	56.5	1326		7.613279	
10	2	19	76.1	1745		8.050796	
11	2	19	68.1	1862		8.891807	
12	3	19	77.3	1355	1022	10.024693	
13	2	19	88.0	1982		10.531574	
14	3	19	53.3	1487	1754	11.799342	

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	14	68.0	1817		0.321182	
1	2	14	64.7	1872		1.301627	
2	3	14	59.9	1821	1407	2.194495	
3	2	14	81.8	1611		2.777662	
4	1	14	61.6			3.071428	
5	1	14	67.0			4.366585	
6	3	14	78.3	1490	1896	5.012346	
7	2	14	95.3	1669		5.882479	1
8	3	14	77.6	1750	1272	6.319715	
9	2	14	67.7	1286		7.450128	
10	2	14	81.6	1189		7.886069	
11	3	14	72.6	1952	1677	8.515144	
12	2	14	87.0	1598		9.409508	
13	2	14	61.5	1766		10.137172	
14	2	14	51.9	1964		10.544799	
15	3	14	71.3	1296	1641	11.541012	

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	13	88.4	1658		0.092065	1
1	2	13	72.1	1910		2.162561	
2	1	13	98.4			2.792933	
3	2	13	93.6	1233		3.953896	
4	1	13	52.9			5.738929	
5	2	13	78.2	1687		7.020616	
6	2	13	58.9	1867		8.027174	
7	3	13	84.0	1941	1574	8.941095	
8	2	13	60.0	1939		9.881656	
9	2	13	53.6	1716		11.540975	

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	5504.0, 5682.0, 5303.0, 5509.0, 5589.0, 5412.0, 5591.0, 5652.0, 5363.0, 5480.0, 5627.0, 5636.0, 5661.0, 5505.0, 5696.0, 5538.0, 5672.0, 5492.0, 5637.0, 5498.0, 5278.0, 5500.0, 5588.0, 5350.0, 5587.0, 5475.0, 5407.0, 5429.0, 5259.0, 5446.0, 5656.0, 5713.0, 5327.0, 5721.0, 5612.0, 5616.0, 5649.0, 5582.0, 5481.0, 5531.0, 5444.0, 5316.0, 5443.0, 5384.0, 5335.0, 5569.0, 5489.0, 5577.0, 5463.0, 5417.0, 5490.0, 5386.0, 5695.0, 5537.0, 5338.0, 5700.0, 5404.0, 5703.0, 5533.0, 5660.0, 5373.0, 5471.0, 5419.0, 5276.0, 5654.0, 5571.0, 5320.0, 5308.0, 5286.0, 5544.0, 5579.0, 5608.0, 5374.0, 5458.0, 5685.0, 5256.0, 5651.0, 5716.0, 5392.0, 5592.0, 5534.0, 5388.0, 5435.0, 5466.0, 5349.0, 5369.0, 5553.0, 5273.0, 5549.0, 5459.0, 5353.0, 5631.0, 5302.0, 5593.0, 5558.0, 5322.0, 5597.0, 5709.0, 5495.0, 5574.0 (number of hits: 16)
2	5530.0	9	1.0	333	1	5696.0, 5338.0, 5448.0, 5296.0, 5442.0, 5390.0, 5522.0, 5477.0, 5559.0, 5459.0, 5529.0, 5642.0, 5411.0, 5452.0, 5632.0, 5433.0, 5437.0, 5449.0, 5499.0, 5702.0, 5280.0, 5261.0, 5348.0, 5591.0, 5391.0, 5266.0, 5577.0, 5353.0, 5387.0, 5624.0, 5590.0, 5319.0, 5356.0, 5264.0, 5423.0, 5627.0, 5571.0, 5678.0, 5710.0, 5582.0, 5331.0, 5514.0, 5332.0, 5711.0, 5288.0, 5289.0, 5700.0, 5530.0, 5302.0, 5682.0, 5668.0, 5607.0, 5558.0, 5480.0, 5659.0, 5451.0, 5443.0, 5648.0, 5639.0, 5538.0, 5602.0, 5273.0, 5635.0, 5645.0, 5360.0, 5683.0, 5684.0, 5340.0, 5663.0, 5377.0, 5670.0, 5303.0, 5293.0, 5325.0, 5692.0, 5470.0, 5281.0, 5533.0, 5343.0, 5363.0, 5704.0, 5456.0, 5370.0, 5596.0, 5428.0, 5279.0, 5669.0, 5617.0, 5494.0, 5412.0, 5610.0, 5638.0, 5504.0, 5517.0, 5420.0, 5269.0, 5503.0, 5297.0, 5547.0, 5259.0 (number of hits: 14)
3	5530.0	9	1.0	333	1	5504.0, 5594.0, 5345.0, 5662.0, 5714.0, 5460.0, 5268.0, 5362.0, 5359.0, 5285.0, 5398.0, 5665.0, 5621.0, 5481.0, 5623.0, 5475.0, 5383.0, 5522.0, 5431.0, 5627.0, 5302.0, 5487.0, 5549.0, 5635.0, 5253.0, 5307.0, 5388.0, 5277.0, 5519.0, 5399.0, 5624.0, 5533.0, 5705.0, 5335.0, 5692.0, 5540.0, 5493.0, 5421.0, 5599.0, 5344.0, 5464.0, 5276.0, 5541.0, 5512.0, 5489.0, 5661.0, 5608.0, 5557.0, 5270.0, 5698.0, 5632.0, 5264.0, 5553.0, 5532.0, 5403.0, 5400.0, 5462.0, 5647.0, 5369.0, 5308.0, 5655.0, 5589.0, 5291.0, 5404.0, 5342.0, 5407.0, 5267.0, 5416.0, 5465.0, 5336.0, 5471.0, 5373.0, 5441.0, 5678.0, 5656.0, 5260.0, 5668.0, 5486.0, 5455.0, 5361.0, 5679.0, 5437.0, 5673.0, 5298.0, 5607.0, 5306.0, 5402.0, 5423.0, 5317.0, 5323.0, 5257.0, 5434.0, 5682.0, 5432.0, 5604.0, 5263.0, 5374.0, 5271.0, 5708.0, 5613.0 (number of hits: 12)
4	5530.0	9	1.0	333	1	5578.0, 5632.0, 5442.0, 5394.0, 5516.0, 5386.0, 5645.0, 5444.0, 5301.0, 5499.0, 5381.0, 5534.0, 5348.0, 5712.0, 5566.0, 5352.0, 5420.0, 5252.0, 5419.0, 5353.0, 5406.0, 5596.0, 5340.0, 5539.0, 5281.0, 5382.0, 5598.0, 5470.0, 5677.0, 5321.0, 5639.0, 5458.0, 5361.0, 5583.0, 5367.0, 5551.0, 5550.0, 5647.0, 5308.0, 5664.0, 5622.0, 5549.0, 5362.0, 5655.0, 5335.0, 5724.0, 5710.0, 5687.0, 5619.0, 5556.0, 5270.0, 5562.0, 5370.0, 5595.0, 5519.0, 5662.0, 5290.0, 5625.0, 5650.0, 5359.0, 5508.0, 5693.0, 5523.0, 5663.0, 5409.0, 5576.0, 5643.0, 5633.0, 5490.0, 5317.0,

						5503.0, 5365.0, 5455.0, 5338.0, 5492.0, 5584.0, 5313.0, 5390.0, 5416.0, 5384.0, 5694.0, 5685.0, 5666.0, 5567.0, 5501.0, 5581.0, 5507.0, 5616.0, 5718.0, 5400.0, 5531.0, 5332.0, 5263.0, 5389.0, 5424.0, 5404.0, 5698.0, 5467.0, 5380.0, 5262.0 (number of hits: 19)
5	5530.0	9	1.0	333	1	5294.0, 5502.0, 5367.0, 5588.0, 5667.0, 5270.0, 5384.0, 5400.0, 5410.0, 5301.0, 5373.0, 5680.0, 5694.0, 5395.0, 5630.0, 5716.0, 5512.0, 5308.0, 5693.0, 5536.0, 5341.0, 5430.0, 5420.0, 5317.0, 5690.0, 5523.0, 5362.0, 5582.0, 5576.0, 5471.0, 5470.0, 5684.0, 5338.0, 5668.0, 5305.0, 5525.0, 5477.0, 5320.0, 5545.0, 5321.0, 5647.0, 5551.0, 5677.0, 5662.0, 5286.0, 5627.0, 5424.0, 5574.0, 5467.0, 5265.0, 5272.0, 5635.0, 5646.0, 5280.0, 5573.0, 5460.0, 5644.0, 5626.0, 5673.0, 5287.0, 5414.0, 5591.0, 5376.0, 5548.0, 5521.0, 5316.0, 5401.0, 5532.0, 5271.0, 5440.0, 5687.0, 5393.0, 5456.0, 5304.0, 5534.0, 5679.0, 5682.0, 5604.0, 5488.0, 5262.0, 5250.0, 5302.0, 5608.0, 5618.0, 5402.0, 5718.0, 5663.0, 5614.0, 5691.0, 5664.0, 5274.0, 5482.0, 5564.0, 5575.0, 5620.0, 5553.0, 5539.0, 5489.0, 5327.0, 5357.0 (number of hits: 14)
6	5530.0	9	1.0	333	1	5481.0, 5513.0, 5499.0, 5635.0, 5417.0, 5699.0, 5294.0, 5562.0, 5377.0, 5355.0, 5341.0, 5270.0, 5469.0, 5342.0, 5697.0, 5572.0, 5321.0, 5676.0, 5695.0, 5590.0, 5467.0, 5260.0, 5647.0, 5543.0, 5719.0, 5358.0, 5645.0, 5419.0, 5663.0, 5286.0, 5700.0, 5449.0, 5578.0, 5256.0, 5622.0, 5296.0, 5682.0, 5318.0, 5390.0, 5444.0, 5466.0, 5617.0, 5586.0, 5364.0, 5618.0, 5722.0, 5394.0, 5267.0, 5374.0, 5442.0, 5383.0, 5282.0, 5591.0, 5408.0, 5546.0, 5660.0, 5266.0, 5585.0, 5520.0, 5275.0, 5691.0, 5693.0, 5329.0, 5683.0, 5642.0, 5504.0, 5515.0, 5316.0, 5705.0, 5292.0, 5487.0, 5300.0, 5309.0, 5605.0, 5493.0, 5253.0, 5457.0, 5541.0, 5433.0, 5638.0, 5701.0, 5333.0, 5376.0, 5489.0, 5711.0, 5497.0, 5516.0, 5718.0, 5415.0, 5646.0, 5338.0, 5614.0, 5602.0, 5387.0, 5331.0, 5581.0, 5412.0, 5326.0, 5703.0, 5636.0 (number of hits: 12)
7	5530.0	9	1.0	333	1	5338.0, 5674.0, 5590.0, 5641.0, 5696.0, 5425.0, 5607.0, 5388.0, 5562.0, 5520.0, 5476.0, 5377.0, 5348.0, 5699.0, 5427.0, 5522.0, 5686.0, 5709.0, 5254.0, 5514.0, 5287.0, 5455.0, 5623.0, 5384.0, 5451.0, 5370.0, 5702.0, 5411.0, 5269.0, 5337.0, 5512.0, 5694.0, 5540.0, 5557.0, 5584.0, 5639.0, 5349.0, 5314.0, 5646.0, 5661.0, 5358.0, 5708.0, 5263.0, 5532.0, 5359.0, 5255.0, 5536.0, 5475.0, 5631.0, 5599.0, 5647.0, 5626.0, 5595.0, 5274.0, 5671.0, 5289.0, 5609.0, 5460.0, 5605.0, 5660.0, 5689.0, 5681.0, 5570.0, 5356.0, 5294.0, 5648.0, 5371.0, 5399.0, 5306.0, 5275.0, 5525.0, 5334.0, 5340.0, 5253.0, 5658.0, 5509.0, 5256.0, 5524.0, 5653.0, 5581.0, 5650.0, 5366.0, 5608.0, 5341.0, 5390.0, 5418.0, 5360.0, 5281.0, 5398.0, 5300.0, 5625.0, 5717.0, 5703.0, 5335.0, 5431.0, 5677.0, 5381.0, 5495.0, 5396.0, 5489.0 (number of hits: 13)
8	5530.0	9	1.0	333	1	5719.0, 5675.0, 5473.0, 5496.0, 5337.0, 5545.0, 5254.0, 5618.0, 5475.0, 5562.0, 5406.0, 5632.0, 5693.0, 5365.0, 5484.0, 5290.0, 5692.0, 5412.0, 5326.0, 5312.0, 5280.0, 5394.0, 5364.0, 5552.0, 5260.0, 5535.0, 5405.0, 5297.0, 5494.0, 5492.0, 5329.0, 5627.0, 5671.0, 5376.0, 5334.0, 5709.0, 5463.0, 5336.0, 5354.0, 5518.0, 5623.0, 5542.0, 5704.0, 5657.0, 5288.0, 5470.0, 5306.0, 5330.0, 5391.0, 5317.0, 5587.0, 5713.0, 5716.0, 5554.0, 5268.0, 5452.0, 5500.0, 5314.0, 5385.0, 5619.0, 5490.0, 5604.0, 5560.0, 5685.0, 5316.0, 5517.0, 5645.0, 5437.0, 5674.0, 5443.0, 5396.0, 5310.0, 5366.0, 5538.0, 5271.0, 5358.0, 5371.0,

						5388.0, 5465.0, 5503.0, 5269.0, 5665.0, 5702.0, 5461.0, 5261.0, 5466.0, 5676.0, 5478.0, 5395.0, 5686.0, 5721.0, 5502.0, 5480.0, 5524.0, 5706.0, 5486.0, 5600.0, 5409.0, 5625.0, 5668.0 (number of hits: 17)
9	5530.0	9	1.0	333	1	5546.0, 5336.0, 5714.0, 5707.0, 5274.0, 5688.0, 5620.0, 5701.0, 5721.0, 5621.0, 5548.0, 5375.0, 5314.0, 5491.0, 5353.0, 5252.0, 5284.0, 5640.0, 5572.0, 5420.0, 5573.0, 5532.0, 5401.0, 5389.0, 5438.0, 5315.0, 5326.0, 5606.0, 5674.0, 5418.0, 5313.0, 5549.0, 5458.0, 5276.0, 5712.0, 5697.0, 5311.0, 5605.0, 5497.0, 5493.0, 5383.0, 5676.0, 5330.0, 5626.0, 5409.0, 5656.0, 5299.0, 5309.0, 5371.0, 5291.0, 5415.0, 5337.0, 5591.0, 5448.0, 5433.0, 5342.0, 5264.0, 5406.0, 5477.0, 5271.0, 5564.0, 5417.0, 5593.0, 5294.0, 5666.0, 5496.0, 5262.0, 5540.0, 5292.0, 5277.0, 5500.0, 5531.0, 5348.0, 5504.0, 5710.0, 5297.0, 5637.0, 5372.0, 5492.0, 5575.0, 5474.0, 5608.0, 5490.0, 5339.0, 5343.0, 5671.0, 5306.0, 5488.0, 5352.0, 5544.0, 5579.0, 5689.0, 5369.0, 5537.0, 5439.0, 5338.0, 5370.0, 5559.0, 5664.0, 5576.0 (number of hits: 16)
10	5530.0	9	1.0	333	1	5422.0, 5256.0, 5328.0, 5269.0, 5641.0, 5360.0, 5611.0, 5346.0, 5621.0, 5291.0, 5355.0, 5528.0, 5415.0, 5420.0, 5448.0, 5384.0, 5257.0, 5418.0, 5724.0, 5369.0, 5616.0, 5461.0, 5264.0, 5392.0, 5697.0, 5700.0, 5412.0, 5410.0, 5575.0, 5450.0, 5513.0, 5317.0, 5640.0, 5376.0, 5425.0, 5559.0, 5684.0, 5429.0, 5336.0, 5270.0, 5368.0, 5573.0, 5659.0, 5327.0, 5591.0, 5330.0, 5690.0, 5383.0, 5358.0, 5487.0, 5322.0, 5695.0, 5720.0, 5531.0, 5373.0, 5530.0, 5498.0, 5403.0, 5456.0, 5604.0, 5272.0, 5344.0, 5716.0, 5722.0, 5677.0, 5681.0, 5382.0, 5359.0, 5265.0, 5593.0, 5281.0, 5430.0, 5633.0, 5574.0, 5596.0, 5380.0, 5651.0, 5324.0, 5292.0, 5252.0, 5646.0, 5289.0, 5714.0, 5711.0, 5653.0, 5290.0, 5404.0, 5419.0, 5675.0, 5297.0, 5524.0, 5582.0, 5625.0, 5637.0, 5615.0, 5512.0, 5455.0, 5489.0, 5572.0, 5534.0 (number of hits: 9)
11	5530.0	9	1.0	333	1	5324.0, 5328.0, 5598.0, 5459.0, 5430.0, 5400.0, 5575.0, 5500.0, 5314.0, 5404.0, 5565.0, 5403.0, 5722.0, 5654.0, 5700.0, 5326.0, 5578.0, 5265.0, 5284.0, 5537.0, 5306.0, 5418.0, 5648.0, 5268.0, 5358.0, 5626.0, 5579.0, 5280.0, 5259.0, 5548.0, 5353.0, 5599.0, 5522.0, 5701.0, 5356.0, 5499.0, 5713.0, 5625.0, 5291.0, 5426.0, 5595.0, 5580.0, 5592.0, 5457.0, 5277.0, 5357.0, 5321.0, 5395.0, 5616.0, 5531.0, 5506.0, 5609.0, 5287.0, 5527.0, 5474.0, 5640.0, 5377.0, 5596.0, 5262.0, 5313.0, 5520.0, 5275.0, 5560.0, 5429.0, 5624.0, 5424.0, 5540.0, 5256.0, 5299.0, 5692.0, 5503.0, 5384.0, 5576.0, 5286.0, 5276.0, 5683.0, 5489.0, 5719.0, 5530.0, 5519.0, 5481.0, 5689.0, 5675.0, 5401.0, 5621.0, 5669.0, 5604.0, 5645.0, 5664.0, 5528.0, 5302.0, 5532.0, 5630.0, 5646.0, 5269.0, 5359.0, 5694.0, 5724.0, 5631.0, 5382.0 (number of hits: 17)
12	5530.0	9	1.0	333	1	5634.0, 5636.0, 5612.0, 5436.0, 5508.0, 5584.0, 5390.0, 5389.0, 5397.0, 5631.0, 5298.0, 5723.0, 5511.0, 5368.0, 5382.0, 5429.0, 5711.0, 5722.0, 5578.0, 5690.0, 5688.0, 5314.0, 5627.0, 5656.0, 5628.0, 5524.0, 5553.0, 5640.0, 5671.0, 5664.0, 5575.0, 5596.0, 5520.0, 5438.0, 5255.0, 5393.0, 5591.0, 5638.0, 5488.0, 5649.0, 5338.0, 5675.0, 5387.0, 5274.0, 5692.0, 5384.0, 5330.0, 5705.0, 5595.0, 5342.0, 5652.0, 5286.0, 5273.0, 5404.0, 5432.0, 5411.0, 5352.0, 5489.0, 5464.0, 5379.0, 5661.0, 5586.0, 5259.0, 5589.0, 5617.0, 5362.0, 5681.0, 5624.0, 5359.0, 5341.0, 5563.0, 5350.0, 5277.0, 5643.0, 5708.0, 5285.0, 5533.0, 5358.0, 5290.0, 5529.0, 5479.0, 5373.0, 5369.0, 5526.0,

						5548.0, 5583.0, 5657.0, 5317.0, 5348.0, 5614.0, 5452.0, 5534.0, 5721.0, 5374.0, 5554.0, 5659.0, 5546.0, 5580.0, 5700.0, 5427.0 (number of hits: 13)
13	5530.0	9	1.0	333	1	5662.0, 5593.0, 5280.0, 5715.0, 5288.0, 5601.0, 5374.0, 5525.0, 5676.0, 5376.0, 5300.0, 5302.0, 5321.0, 5521.0, 5515.0, 5468.0, 5509.0, 5357.0, 5277.0, 5367.0, 5295.0, 5370.0, 5253.0, 5473.0, 5707.0, 5713.0, 5397.0, 5308.0, 5651.0, 5488.0, 5511.0, 5626.0, 5599.0, 5688.0, 5616.0, 5526.0, 5653.0, 5375.0, 5536.0, 5377.0, 5260.0, 5572.0, 5505.0, 5523.0, 5315.0, 5589.0, 5609.0, 5333.0, 5354.0, 5320.0, 5314.0, 5326.0, 5502.0, 5484.0, 5550.0, 5586.0, 5537.0, 5364.0, 5686.0, 5516.0, 5477.0, 5607.0, 5455.0, 5413.0, 5386.0, 5679.0, 5419.0, 5342.0, 5393.0, 5398.0, 5646.0, 5303.0, 5528.0, 5474.0, 5443.0, 5255.0, 5430.0, 5387.0, 5336.0, 5648.0, 5705.0, 5345.0, 5569.0, 5366.0, 5633.0, 5278.0, 5324.0, 5554.0, 5313.0, 5456.0, 5535.0, 5304.0, 5541.0, 5615.0, 5352.0, 5558.0, 5461.0, 5717.0, 5709.0, 5549.0 (number of hits: 19)
14	5530.0	9	1.0	333	1	5327.0, 5369.0, 5564.0, 5469.0, 5343.0, 5599.0, 5272.0, 5611.0, 5695.0, 5629.0, 5294.0, 5660.0, 5396.0, 5449.0, 5401.0, 5632.0, 5560.0, 5624.0, 5575.0, 5413.0, 5384.0, 5535.0, 5584.0, 5268.0, 5592.0, 5301.0, 5397.0, 5252.0, 5607.0, 5474.0, 5447.0, 5328.0, 5302.0, 5556.0, 5666.0, 5502.0, 5705.0, 5718.0, 5463.0, 5406.0, 5497.0, 5701.0, 5664.0, 5644.0, 5516.0, 5674.0, 5530.0, 5589.0, 5639.0, 5439.0, 5295.0, 5270.0, 5577.0, 5580.0, 5275.0, 5341.0, 5573.0, 5457.0, 5576.0, 5415.0, 5628.0, 5325.0, 5667.0, 5409.0, 5682.0, 5680.0, 5315.0, 5581.0, 5282.0, 5645.0, 5256.0, 5590.0, 5508.0, 5610.0, 5506.0, 5638.0, 5334.0, 5366.0, 5464.0, 5636.0, 5374.0, 5323.0, 5393.0, 5339.0, 5600.0, 5668.0, 5476.0, 5626.0, 5543.0, 5724.0, 5455.0, 5482.0, 5289.0, 5269.0, 5692.0, 5538.0, 5520.0, 5276.0, 5379.0, 5653.0 (number of hits: 13)
15	5530.0	9	1.0	333	1	5509.0, 5270.0, 5510.0, 5699.0, 5452.0, 5308.0, 5430.0, 5287.0, 5441.0, 5354.0, 5321.0, 5527.0, 5269.0, 5314.0, 5670.0, 5415.0, 5653.0, 5281.0, 5582.0, 5385.0, 5570.0, 5517.0, 5347.0, 5650.0, 5666.0, 5458.0, 5486.0, 5436.0, 5371.0, 5683.0, 5579.0, 5460.0, 5298.0, 5261.0, 5511.0, 5318.0, 5279.0, 5393.0, 5328.0, 5660.0, 5375.0, 5518.0, 5551.0, 5623.0, 5431.0, 5504.0, 5640.0, 5569.0, 5386.0, 5282.0, 5358.0, 5330.0, 5658.0, 5632.0, 5451.0, 5619.0, 5516.0, 5260.0, 5390.0, 5364.0, 5455.0, 5331.0, 5483.0, 5571.0, 5562.0, 5462.0, 5300.0, 5275.0, 5620.0, 5307.0, 5369.0, 5384.0, 5383.0, 5404.0, 5610.0, 5598.0, 5577.0, 5508.0, 5701.0, 5420.0, 5523.0, 5429.0, 5387.0, 5326.0, 5288.0, 5421.0, 5286.0, 5351.0, 5603.0, 5285.0, 5536.0, 5690.0, 5530.0, 5345.0, 5721.0, 5303.0, 5376.0, 5629.0, 5537.0, 5686.0 (number of hits: 15)
16	5530.0	9	1.0	333	1	5323.0, 5658.0, 5690.0, 5718.0, 5459.0, 5462.0, 5500.0, 5334.0, 5258.0, 5488.0, 5602.0, 5625.0, 5596.0, 5504.0, 5442.0, 5406.0, 5626.0, 5520.0, 5317.0, 5562.0, 5483.0, 5385.0, 5284.0, 5365.0, 5263.0, 5547.0, 5266.0, 5507.0, 5542.0, 5430.0, 5309.0, 5534.0, 5369.0, 5614.0, 5574.0, 5471.0, 5417.0, 5391.0, 5257.0, 5622.0, 5720.0, 5285.0, 5509.0, 5508.0, 5447.0, 5382.0, 5676.0, 5705.0, 5405.0, 5610.0, 5541.0, 5278.0, 5566.0, 5495.0, 5274.0, 5424.0, 5496.0, 5640.0, 5693.0, 5575.0, 5389.0, 5423.0, 5279.0, 5300.0, 5378.0, 5288.0, 5480.0, 5700.0, 5637.0, 5704.0, 5671.0, 5526.0, 5331.0, 5586.0, 5577.0, 5408.0, 5659.0, 5262.0, 5421.0, 5607.0, 5573.0, 5474.0, 5663.0, 5714.0, 5327.0, 5682.0, 5618.0, 5383.0, 5449.0, 5711.0, 5677.0,

						5485.0, 5709.0, 5297.0, 5333.0, 5650.0, 5399.0, 5707.0, 5318.0, 5304.0 (number of hits: 15)
17	5530.0	9	1.0	333	1	5676.0, 5609.0, 5473.0, 5563.0, 5659.0, 5459.0, 5446.0, 5296.0, 5262.0, 5503.0, 5716.0, 5567.0, 5456.0, 5375.0, 5523.0, 5382.0, 5576.0, 5325.0, 5300.0, 5448.0, 5481.0, 5690.0, 5483.0, 5279.0, 5376.0, 5564.0, 5302.0, 5396.0, 5689.0, 5378.0, 5538.0, 5283.0, 5680.0, 5271.0, 5534.0, 5494.0, 5467.0, 5368.0, 5706.0, 5395.0, 5633.0, 5713.0, 5688.0, 5502.0, 5468.0, 5358.0, 5584.0, 5654.0, 5475.0, 5402.0, 5612.0, 5298.0, 5628.0, 5528.0, 5400.0, 5627.0, 5316.0, 5699.0, 5668.0, 5617.0, 5655.0, 5615.0, 5622.0, 5535.0, 5379.0, 5413.0, 5663.0, 5408.0, 5679.0, 5415.0, 5522.0, 5369.0, 5671.0, 5701.0, 5512.0, 5549.0, 5417.0, 5312.0, 5438.0, 5658.0, 5372.0, 5351.0, 5565.0, 5572.0, 5519.0, 5308.0, 5466.0, 5637.0, 5629.0, 5700.0, 5335.0, 5321.0, 5383.0, 5545.0, 5626.0, 5675.0, 5571.0, 5687.0, 5579.0, 5259.0 (number of hits: 17)
18	5530.0	9	1.0	333	1	5566.0, 5508.0, 5706.0, 5666.0, 5536.0, 5606.0, 5298.0, 5561.0, 5569.0, 5516.0, 5461.0, 5708.0, 5681.0, 5591.0, 5273.0, 5576.0, 5439.0, 5311.0, 5530.0, 5589.0, 5261.0, 5301.0, 5614.0, 5481.0, 5656.0, 5660.0, 5487.0, 5364.0, 5623.0, 5431.0, 5577.0, 5421.0, 5693.0, 5600.0, 5440.0, 5579.0, 5588.0, 5651.0, 5687.0, 5460.0, 5699.0, 5491.0, 5501.0, 5319.0, 5361.0, 5335.0, 5639.0, 5443.0, 5280.0, 5376.0, 5552.0, 5633.0, 5622.0, 5294.0, 5404.0, 5284.0, 5494.0, 5603.0, 5430.0, 5664.0, 5683.0, 5615.0, 5631.0, 5543.0, 5511.0, 5662.0, 5366.0, 5402.0, 5397.0, 5505.0, 5434.0, 5619.0, 5265.0, 5314.0, 5263.0, 5642.0, 5382.0, 5463.0, 5643.0, 5410.0, 5678.0, 5304.0, 5415.0, 5512.0, 5281.0, 5658.0, 5506.0, 5556.0, 5532.0, 5300.0, 5330.0, 5510.0, 5432.0, 5528.0, 5251.0, 5260.0, 5321.0, 5557.0, 5527.0, 5256.0 (number of hits: 20)
19	5530.0	9	1.0	333	1	5458.0, 5622.0, 5518.0, 5491.0, 5498.0, 5670.0, 5403.0, 5658.0, 5700.0, 5632.0, 5704.0, 5503.0, 5281.0, 5599.0, 5305.0, 5450.0, 5431.0, 5548.0, 5649.0, 5538.0, 5655.0, 5269.0, 5490.0, 5418.0, 5591.0, 5602.0, 5683.0, 5575.0, 5710.0, 5414.0, 5690.0, 5633.0, 5574.0, 5301.0, 5718.0, 5592.0, 5489.0, 5627.0, 5537.0, 5681.0, 5320.0, 5362.0, 5419.0, 5510.0, 5360.0, 5524.0, 5274.0, 5682.0, 5252.0, 5326.0, 5389.0, 5348.0, 5621.0, 5561.0, 5605.0, 5299.0, 5355.0, 5706.0, 5454.0, 5334.0, 5506.0, 5451.0, 5445.0, 5608.0, 5554.0, 5391.0, 5439.0, 5434.0, 5271.0, 5408.0, 5353.0, 5663.0, 5667.0, 5404.0, 5661.0, 5394.0, 5253.0, 5550.0, 5615.0, 5254.0, 5440.0, 5576.0, 5401.0, 5629.0, 5322.0, 5657.0, 5268.0, 5392.0, 5617.0, 5295.0, 5338.0, 5508.0, 5430.0, 5521.0, 5425.0, 5493.0, 5587.0, 5549.0, 5669.0, 5590.0 (number of hits: 16)
20	5530.0	9	1.0	333	1	5551.0, 5475.0, 5576.0, 5490.0, 5452.0, 5712.0, 5588.0, 5398.0, 5291.0, 5638.0, 5545.0, 5332.0, 5449.0, 5434.0, 5716.0, 5484.0, 5358.0, 5426.0, 5259.0, 5410.0, 5518.0, 5660.0, 5639.0, 5289.0, 5352.0, 5457.0, 5689.0, 5613.0, 5684.0, 5705.0, 5647.0, 5522.0, 5323.0, 5453.0, 5260.0, 5523.0, 5396.0, 5299.0, 5681.0, 5298.0, 5438.0, 5303.0, 5646.0, 5464.0, 5539.0, 5721.0, 5346.0, 5641.0, 5676.0, 5559.0, 5533.0, 5492.0, 5335.0, 5461.0, 5262.0, 5283.0, 5704.0, 5521.0, 5424.0, 5511.0, 5534.0, 5470.0, 5538.0, 5350.0, 5695.0, 5602.0, 5598.0, 5324.0, 5290.0, 5720.0, 5348.0, 5263.0, 5596.0, 5607.0, 5383.0, 5673.0, 5471.0, 5277.0, 5621.0, 5465.0, 5558.0, 5333.0, 5338.0, 5294.0, 5258.0, 5628.0, 5606.0, 5603.0, 5587.0, 5604.0, 5616.0, 5371.0, 5274.0, 5280.0, 5626.0, 5525.0, 5515.0, 5700.0,

						5315.0, 5593.0 (number of hits: 16)
21	5530.0	9	1.0	333	1	5405.0, 5522.0, 5519.0, 5570.0, 5649.0, 5296.0, 5373.0, 5663.0, 5623.0, 5708.0, 5490.0, 5610.0, 5697.0, 5468.0, 5469.0, 5642.0, 5328.0, 5428.0, 5326.0, 5325.0, 5263.0, 5341.0, 5269.0, 5574.0, 5713.0, 5542.0, 5292.0, 5578.0, 5632.0, 5457.0, 5657.0, 5369.0, 5276.0, 5536.0, 5681.0, 5564.0, 5420.0, 5384.0, 5476.0, 5416.0, 5438.0, 5544.0, 5626.0, 5595.0, 5565.0, 5377.0, 5463.0, 5550.0, 5594.0, 5415.0, 5585.0, 5267.0, 5485.0, 5302.0, 5596.0, 5472.0, 5389.0, 5266.0, 5641.0, 5413.0, 5558.0, 5720.0, 5474.0, 5709.0, 5329.0, 5371.0, 5277.0, 5619.0, 5381.0, 5430.0, 5589.0, 5261.0, 5286.0, 5661.0, 5354.0, 5667.0, 5279.0, 5514.0, 5580.0, 5349.0, 5634.0, 5257.0, 5586.0, 5395.0, 5638.0, 5616.0, 5576.0, 5447.0, 5561.0, 5283.0, 5653.0, 5644.0, 5714.0, 5458.0, 5340.0, 5645.0, 5385.0, 5592.0, 5270.0, 5348.0 (number of hits: 11)
22	5530.0	9	1.0	333	1	5265.0, 5520.0, 5611.0, 5559.0, 5421.0, 5696.0, 5377.0, 5690.0, 5624.0, 5567.0, 5719.0, 5439.0, 5379.0, 5280.0, 5652.0, 5628.0, 5504.0, 5469.0, 5350.0, 5545.0, 5659.0, 5650.0, 5298.0, 5373.0, 5282.0, 5277.0, 5462.0, 5449.0, 5556.0, 5607.0, 5480.0, 5391.0, 5491.0, 5599.0, 5347.0, 5500.0, 5324.0, 5632.0, 5478.0, 5353.0, 5390.0, 5720.0, 5672.0, 5539.0, 5610.0, 5511.0, 5387.0, 5278.0, 5492.0, 5553.0, 5389.0, 5443.0, 5437.0, 5606.0, 5303.0, 5594.0, 5614.0, 5514.0, 5505.0, 5275.0, 5472.0, 5603.0, 5613.0, 5274.0, 5586.0, 5585.0, 5498.0, 5428.0, 5601.0, 5706.0, 5442.0, 5400.0, 5371.0, 5717.0, 5392.0, 5321.0, 5383.0, 5332.0, 5268.0, 5473.0, 5299.0, 5367.0, 5380.0, 5427.0, 5393.0, 5329.0, 5368.0, 5288.0, 5495.0, 5705.0, 5591.0, 5425.0, 5523.0, 5455.0, 5337.0, 5454.0, 5529.0, 5702.0, 5636.0, 5440.0 (number of hits: 17)
23	5530.0	9	1.0	333	1	5512.0, 5648.0, 5537.0, 5675.0, 5297.0, 5569.0, 5425.0, 5513.0, 5333.0, 5532.0, 5364.0, 5390.0, 5666.0, 5352.0, 5652.0, 5712.0, 5393.0, 5557.0, 5669.0, 5616.0, 5432.0, 5285.0, 5531.0, 5547.0, 5656.0, 5410.0, 5430.0, 5253.0, 5664.0, 5636.0, 5479.0, 5342.0, 5587.0, 5305.0, 5501.0, 5619.0, 5624.0, 5439.0, 5356.0, 5282.0, 5471.0, 5651.0, 5580.0, 5534.0, 5369.0, 5406.0, 5678.0, 5563.0, 5584.0, 5493.0, 5397.0, 5558.0, 5318.0, 5335.0, 5402.0, 5408.0, 5453.0, 5654.0, 5292.0, 5434.0, 5381.0, 5621.0, 5371.0, 5714.0, 5361.0, 5472.0, 5475.0, 5681.0, 5597.0, 5273.0, 5293.0, 5629.0, 5350.0, 5695.0, 5279.0, 5404.0, 5419.0, 5337.0, 5387.0, 5721.0, 5482.0, 5324.0, 5368.0, 5602.0, 5339.0, 5437.0, 5383.0, 5575.0, 5448.0, 5446.0, 5641.0, 5631.0, 5717.0, 5646.0, 5682.0, 5476.0, 5687.0, 5670.0, 5572.0, 5468.0 (number of hits: 12)
24	5530.0	9	1.0	333	1	5530.0, 5355.0, 5719.0, 5408.0, 5498.0, 5263.0, 5692.0, 5647.0, 5609.0, 5452.0, 5507.0, 5466.0, 5651.0, 5304.0, 5519.0, 5461.0, 5606.0, 5485.0, 5347.0, 5642.0, 5337.0, 5310.0, 5582.0, 5464.0, 5500.0, 5409.0, 5440.0, 5274.0, 5645.0, 5526.0, 5585.0, 5605.0, 5477.0, 5258.0, 5423.0, 5517.0, 5254.0, 5502.0, 5567.0, 5677.0, 5300.0, 5369.0, 5374.0, 5339.0, 5600.0, 5634.0, 5697.0, 5703.0, 5579.0, 5403.0, 5333.0, 5381.0, 5705.0, 5515.0, 5297.0, 5532.0, 5391.0, 5446.0, 5666.0, 5306.0, 5607.0, 5636.0, 5295.0, 5460.0, 5707.0, 5278.0, 5531.0, 5529.0, 5618.0, 5620.0, 5577.0, 5523.0, 5414.0, 5404.0, 5356.0, 5251.0, 5411.0, 5721.0, 5315.0, 5268.0, 5486.0, 5540.0, 5332.0, 5656.0, 5283.0, 5601.0, 5262.0, 5389.0, 5640.0, 5433.0, 5619.0, 5428.0, 5671.0, 5429.0, 5613.0, 5654.0, 5580.0, 5631.0, 5690.0, 5723.0 (number of hits: 15)

25	5530.0	9	1.0	333	1	5484.0, 5366.0, 5469.0, 5615.0, 5692.0, 5605.0, 5372.0, 5306.0, 5279.0, 5611.0, 5335.0, 5497.0, 5514.0, 5657.0, 5336.0, 5599.0, 5268.0, 5681.0, 5499.0, 5344.0, 5712.0, 5496.0, 5325.0, 5502.0, 5315.0, 5364.0, 5543.0, 5570.0, 5707.0, 5653.0, 5276.0, 5685.0, 5495.0, 5381.0, 5373.0, 5447.0, 5314.0, 5483.0, 5603.0, 5510.0, 5424.0, 5545.0, 5715.0, 5481.0, 5319.0, 5626.0, 5636.0, 5658.0, 5621.0, 5405.0, 5693.0, 5318.0, 5588.0, 5671.0, 5300.0, 5710.0, 5378.0, 5597.0, 5645.0, 5374.0, 5299.0, 5709.0, 5414.0, 5261.0, 5308.0, 5345.0, 5564.0, 5488.0, 5351.0, 5604.0, 5655.0, 5355.0, 5420.0, 5340.0, 5577.0, 5435.0, 5323.0, 5341.0, 5389.0, 5689.0, 5307.0, 5703.0, 5328.0, 5390.0, 5583.0, 5260.0, 5257.0, 5333.0, 5683.0, 5362.0, 5575.0, 5326.0, 5462.0, 5402.0, 5555.0, 5672.0, 5534.0, 5392.0, 5471.0, 5674.0 (number of hits: 12)
26	5530.0	9	1.0	333	1	5293.0, 5390.0, 5670.0, 5414.0, 5297.0, 5259.0, 5568.0, 5502.0, 5339.0, 5555.0, 5714.0, 5565.0, 5581.0, 5320.0, 5668.0, 5286.0, 5646.0, 5629.0, 5500.0, 5479.0, 5318.0, 5310.0, 5529.0, 5459.0, 5593.0, 5716.0, 5334.0, 5463.0, 5521.0, 5592.0, 5273.0, 5456.0, 5284.0, 5313.0, 5657.0, 5299.0, 5361.0, 5653.0, 5554.0, 5492.0, 5401.0, 5627.0, 5280.0, 5342.0, 5707.0, 5290.0, 5658.0, 5589.0, 5362.0, 5251.0, 5690.0, 5269.0, 5336.0, 5675.0, 5435.0, 5358.0, 5437.0, 5618.0, 5443.0, 5698.0, 5276.0, 5427.0, 5503.0, 5497.0, 5464.0, 5416.0, 5572.0, 5430.0, 5383.0, 5300.0, 5308.0, 5402.0, 5410.0, 5306.0, 5350.0, 5511.0, 5466.0, 5516.0, 5708.0, 5493.0, 5309.0, 5695.0, 5368.0, 5418.0, 5411.0, 5485.0, 5678.0, 5451.0, 5328.0, 5371.0, 5307.0, 5617.0, 5292.0, 5680.0, 5473.0, 5685.0, 5282.0, 5587.0, 5665.0, 5382.0 (number of hits: 13)
27	5530.0	9	1.0	333	1	5349.0, 5482.0, 5425.0, 5410.0, 5321.0, 5674.0, 5710.0, 5626.0, 5575.0, 5273.0, 5390.0, 5490.0, 5351.0, 5367.0, 5723.0, 5498.0, 5716.0, 5451.0, 5594.0, 5534.0, 5334.0, 5604.0, 5460.0, 5329.0, 5629.0, 5431.0, 5591.0, 5440.0, 5642.0, 5358.0, 5718.0, 5540.0, 5662.0, 5433.0, 5295.0, 5628.0, 5635.0, 5413.0, 5577.0, 5535.0, 5491.0, 5696.0, 5361.0, 5506.0, 5316.0, 5513.0, 5421.0, 5529.0, 5504.0, 5623.0, 5552.0, 5378.0, 5373.0, 5395.0, 5600.0, 5550.0, 5472.0, 5466.0, 5261.0, 5708.0, 5688.0, 5300.0, 5719.0, 5536.0, 5595.0, 5455.0, 5326.0, 5497.0, 5312.0, 5348.0, 5385.0, 5356.0, 5341.0, 5307.0, 5409.0, 5527.0, 5707.0, 5383.0, 5364.0, 5658.0, 5609.0, 5510.0, 5302.0, 5253.0, 5612.0, 5517.0, 5335.0, 5516.0, 5310.0, 5322.0, 5655.0, 5359.0, 5277.0, 5632.0, 5518.0, 5477.0, 5501.0, 5539.0, 5313.0, 5446.0 (number of hits: 19)
28	5530.0	9	1.0	333	1	5446.0, 5679.0, 5274.0, 5565.0, 5393.0, 5346.0, 5388.0, 5357.0, 5611.0, 5573.0, 5504.0, 5484.0, 5342.0, 5668.0, 5650.0, 5448.0, 5427.0, 5607.0, 5285.0, 5367.0, 5341.0, 5439.0, 5420.0, 5394.0, 5270.0, 5424.0, 5343.0, 5296.0, 5541.0, 5283.0, 5624.0, 5602.0, 5267.0, 5325.0, 5585.0, 5431.0, 5251.0, 5506.0, 5588.0, 5307.0, 5453.0, 5664.0, 5526.0, 5623.0, 5303.0, 5482.0, 5644.0, 5688.0, 5520.0, 5574.0, 5680.0, 5595.0, 5558.0, 5387.0, 5580.0, 5290.0, 5525.0, 5384.0, 5603.0, 5533.0, 5556.0, 5514.0, 5489.0, 5528.0, 5670.0, 5586.0, 5530.0, 5411.0, 5278.0, 5635.0, 5531.0, 5550.0, 5661.0, 5399.0, 5477.0, 5572.0, 5486.0, 5373.0, 5281.0, 5577.0, 5659.0, 5386.0, 5710.0, 5255.0, 5360.0, 5649.0, 5656.0, 5480.0, 5632.0, 5282.0, 5364.0, 5515.0, 5454.0, 5720.0, 5609.0, 5671.0, 5321.0, 5557.0, 5501.0, 5264.0 (number of hits: 18)
29	5530.0	9	1.0	333	1	5532.0, 5511.0, 5605.0, 5418.0, 5716.0, 5376.0, 5352.0,

						5560.0, 5336.0, 5496.0, 5510.0, 5355.0, 5618.0, 5561.0, 5428.0, 5437.0, 5373.0, 5333.0, 5439.0, 5414.0, 5345.0, 5364.0, 5670.0, 5260.0, 5494.0, 5305.0, 5455.0, 5367.0, 5365.0, 5530.0, 5545.0, 5504.0, 5718.0, 5603.0, 5492.0, 5460.0, 5272.0, 5323.0, 5600.0, 5488.0, 5657.0, 5656.0, 5622.0, 5612.0, 5326.0, 5318.0, 5696.0, 5408.0, 5708.0, 5261.0, 5319.0, 5252.0, 5300.0, 5570.0, 5315.0, 5472.0, 5562.0, 5704.0, 5411.0, 5505.0, 5524.0, 5256.0, 5556.0, 5416.0, 5625.0, 5519.0, 5454.0, 5615.0, 5433.0, 5435.0, 5263.0, 5391.0, 5693.0, 5374.0, 5407.0, 5385.0, 5371.0, 5449.0, 5589.0, 5645.0, 5360.0, 5502.0, 5677.0, 5522.0, 5313.0, 5697.0, 5659.0, 5267.0, 5447.0, 5714.0, 5576.0, 5255.0, 5361.0, 5698.0, 5685.0, 5465.0, 5577.0, 5686.0, 5627.0, 5362.0 (number of hits: 18)
30	5530.0	9	1.0	333	1	5398.0, 5444.0, 5452.0, 5253.0, 5606.0, 5562.0, 5316.0, 5435.0, 5512.0, 5621.0, 5574.0, 5338.0, 5639.0, 5311.0, 5351.0, 5673.0, 5418.0, 5374.0, 5372.0, 5677.0, 5586.0, 5300.0, 5687.0, 5471.0, 5625.0, 5445.0, 5718.0, 5702.0, 5701.0, 5266.0, 5571.0, 5503.0, 5389.0, 5481.0, 5551.0, 5514.0, 5474.0, 5700.0, 5688.0, 5566.0, 5612.0, 5575.0, 5648.0, 5450.0, 5391.0, 5494.0, 5501.0, 5667.0, 5626.0, 5598.0, 5620.0, 5347.0, 5295.0, 5510.0, 5462.0, 5327.0, 5271.0, 5319.0, 5436.0, 5680.0, 5310.0, 5476.0, 5322.0, 5324.0, 5355.0, 5307.0, 5414.0, 5694.0, 5650.0, 5396.0, 5521.0, 5607.0, 5605.0, 5383.0, 5371.0, 5415.0, 5427.0, 5544.0, 5360.0, 5478.0, 5454.0, 5632.0, 5291.0, 5318.0, 5709.0, 5537.0, 5397.0, 5342.0, 5281.0, 5536.0, 5409.0, 5592.0, 5696.0, 5646.0, 5334.0, 5547.0, 5583.0, 5609.0, 5584.0, 5523.0 (number of hits: 15)

10 Annex C (Informative) – Declaration of Similarity (DoS)

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134

DECLARATION OF SIMILARITY

July 2, 2023

To whom it may concern:

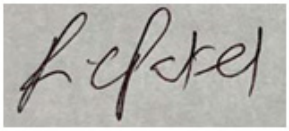
We *Cisco Systems, Inc.* hereby declare that product: *2x2 MIMO-Based Wireless Radio,* model(s): *IW916DH-ROW & IW9165DH-A* is electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics as a model: *IW9165DH-B* tested (DFS testing) by BACL, the results of which are featured in BACL project R2303014.

A description of the differences between the tested model and those that are declared similar are as follows:

The difference between the test model and a similar model is the regulatory domain only. IW9165DH-A is the model number targeted for Canada which supports all Wifi 5GHz bands excluding 5600-5650MHz. IW9165DH-ROW is the model number targeted for the rest of the world.

Please contact me should there be a need for any additional clarification or information.

Best Regards,



Ronak Patel
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+1510-509-8061

11 Annex D (Normative) - A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

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

Presented this 21st day of December 2022.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3297.02
Valid to September 30, 2024

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

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

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

--- END OF REPORT ---