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

For

Cisco Systems Inc.

125 West Tasman Drive,
San Jose, CA 95134 USA

FCC ID: LDK-ETHIK2360
IC: 2461N-ETHIK2360

Report Type: Original Report	**Product Type:** Cisco Catalyst 9124AX Series Wi-Fi Outdoor Access Points
Prepared By	Rita Yang RF Test Technician
Report Number	R2108135-DFS
Report Date	2021-09-27
Reviewed By	Zhao Zhao RF Project Engineer

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2108135-DFS	Original Report	2021-09-27

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of *Cisco Systems Inc*., and their product *FCC ID: LDK-ETHIK2360, IC: 2461N-ETHIK2360*, model: *C9124AXE-B (U.S.), C9124AXE-A (Canada)* as referred to as EUT in this report. The product is Outdoor Access Point, which supports 802.11 a/b/g/n/ac/ax and 20/40/80 MHz bandwidth and BLE configurations.

EUT Hardware Version: PP

1.2 Mechanical Description of EUT

Length (cm)	Width (cm)	Height (cm)	Weight (kg)	S/N
27	27	7	3.15	F0C252811RM

1.3 Objective

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

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

1.4 Related Submittal(s)/Grant(s)

Equipment Class: DTS, FCC ID: LDK-ETHIK2360, IC: 2461N-ETHIK2360

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h), RSS-247 Issue 2, NCC LP0002-2018

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

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

1.6 Test Facility Registrations

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

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

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

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

1.7 Test Facility Accreditations

Bay Area Compliance Laboratories Corp. (BACL) is:

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

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

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

- For the USA (Federal Communications Commission):
  - 1- All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
  - 2- All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
  - 3- All Telephone Terminal Equipment within FCC Scope C.
- For the Canada (Industry Canada):
  - 1 All Scope 1-Licence-Exempt Radio Frequency Devices;
  - 2 All Scope 2-Licensed Personal Mobile Radio Services;
  - 3 All Scope 3-Licensed General Mobile & Fixed Radio Services;
  - 4 All Scope 4-Licensed Maritime & Aviation Radio Services;
  - 5 All Scope 5-Licensed Fixed Microwave Radio Services
  - 6 All Broadcasting Technical Standards (BETS) in the Category I Equipment Standards List.
- For Singapore (Info-Communications Development Authority (IDA)):
  - 1 All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2
  - 2. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2
- For the Hong Kong Special Administrative Region:
  - 1 All Radio Equipment, per KHCA 10XX-series Specifications;

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

- For Japan:

1 MIC Telecommunication Business Law (Terminal Equipment):
- All Scope A1 - Terminal Equipment for the Purpose of Calls;
- All Scope A2 - Other Terminal Equipment

2 Radio Law (Radio Equipment):
- All Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
- All Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
- All Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

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

1 Electronics and Office Equipment:
- for Telephony (ver. 3.0)
- for Audio/Video (ver. 3.0)
- for Battery Charging Systems (ver. 1.1)
- for Set-top Boxes & Cable Boxes (ver. 4.1)
- for Televisions (ver. 6.1)
- for Computers (ver. 6.0)
- for Displays (ver. 6.0)
- for Imaging Equipment (ver. 2.0)
- for Computer Servers (ver. 2.0)

2 Commercial Food Service Equipment
- for Commercial Dishwashers (ver. 2.0)
- for Commercial Ice Machines (ver. 2.0)
- for Commercial Ovens (ver. 2.1)
- for Commercial Refrigerators and Freezers

3 Lighting Products
- For Decorative Light Strings (ver. 1.5)
- For Luminaires (including sub-components) and Lamps (ver. 1.2)
- For Compact Fluorescent Lamps (CFLs) (ver. 4.3)
- For Integral LED Lamps (ver. 1.4)

4 Heating, Ventilation, and AC Products
- for Residential Ceiling Fans (ver. 3.0)
- for Residential Ventilating Fans (ver. 3.2)

5 Other
- For Water Coolers (ver. 3.0)

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

- Australia: ACMA (Australian Communication and Media Authority) – APEC Tel MRA -Phase I;
- Canada: (Innovation, Science and Economic development Canada - 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 Tera Term and test commands, provided by *Cisco Systems Inc.*, the software is compliant with the standard requirements being tested against.

The EUT image version:

svn base: 7c4ceb1fb0c4c97832aec73e6fb4e33c06e995b5M
commit: 807c9b2b5cb64b076a6061729c70aa1d2ac36205
tree 35954c42a71536db5761792ff1cf527a66e012d9
recent commit: 7c4ceb1fb0c4c97832aec73e6fb4e33c06e995b5

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E6410	3CKRAQ1
ASUS	Laptop	FX504G	J6NRCX037440249

2.5 Interface Ports and Cables

Cable Description	Length	To	From
Ethernet cable	2 m	PoE	EUT
Ethernet-serial-USB cable	2 m	EUT	Laptop

3 Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h), RSS-247 Issue 2 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Items	Description of Test	Results
Detection Bandwidth	UNII Detection Bandwidth	Compliant
Performance Requirements Check	Initial Channel Availability Check Time (CAC)	Compliant
	Radar Burst at the Beginning of the CAC	Compliant
	Radar Burst at the End of the CAC	Compliant
In-Service Monitoring	Channel Move Time	Compliant
	Channel Closing Transmission Time	Compliant
	Non-Occupancy Period	Compliant
Radar Detection	Statistical Performance Check	Compliant

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h), RSS-247 Issue 2 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

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

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds ***See Note 1***.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. ***See Notes 1 and 2***.
U-NII Detection Bandwidth	Minimum 100% of the UNII 99% transmission power bandwidth. ***See Note 3***.

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

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

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

Table 5: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{PRI_{\mu sec}}\right)\right\}$	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

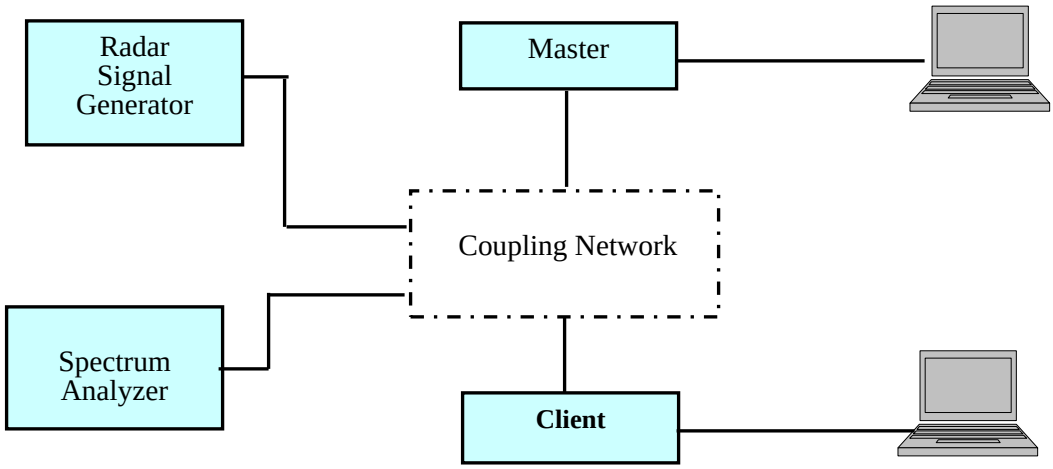
Table 7: Frequency Hopping Radar Test Signal

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

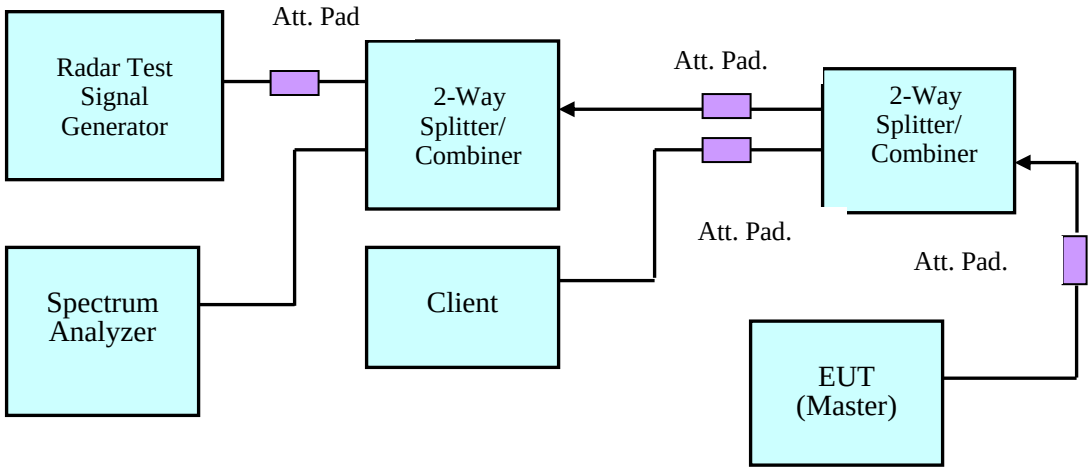
4.2 DFS Measurement System

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 Master with injection at the Master

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

The EUT contains three 5 GHz radios: 5 GHz Primary Radio, 5 GHz Secondary Radio, 5 GHz Primary Radio and 5 GHz Secondary Radio broadcast different SSID. 5 GHz Aux works with either radio simultaneously. 5 GHz Primary Radio is denoted as 5 GHz Radio 1, and 5 GHz Secondary Radio is denoted as 5 GHz Radio 2 in this test report.

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

The calibrated radiated DFS detection threshold level is set to -57 dBm.

WLAN traffic is generated by iperf3

5.2 Antenna Description

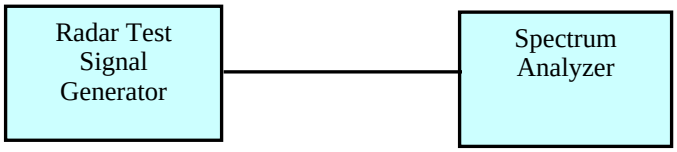
Radio	Antenna Type	Antenna Gain (dBi) @ 5 GHz
5 GHz Primary and Secondary	External	7
5 GHz AUX	External	7

5.3 Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A	N/A
Agilent	Analyzer, Spectrum	E4440A	US45303156	2020-04-24	18 Months
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	N/A	N/A
Narda	Splitter/Combiner	4326B-2	03514	N/A	N/A
Midwest	Attenuator	290-30	N/A	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A	N/A
-	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

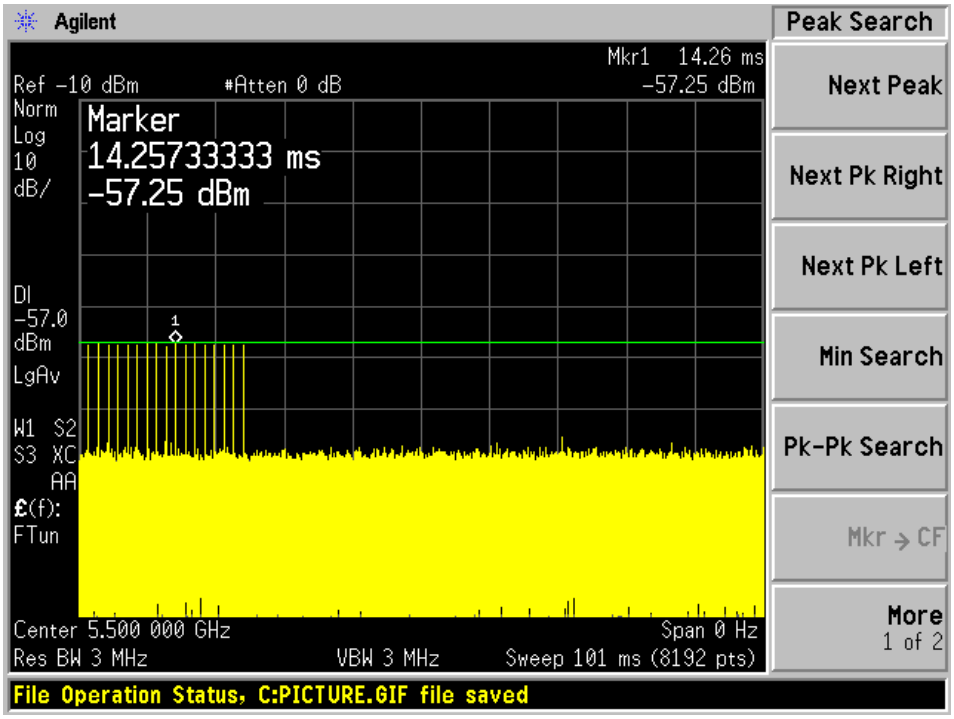
Temperature:	22-24° C
Relative Humidity:	43-49 %
ATM Pressure:	101.9 kPa

Testing was performed by Rita Yang on 2021-08-30 to 2021-09-12 at the DFS testing site.

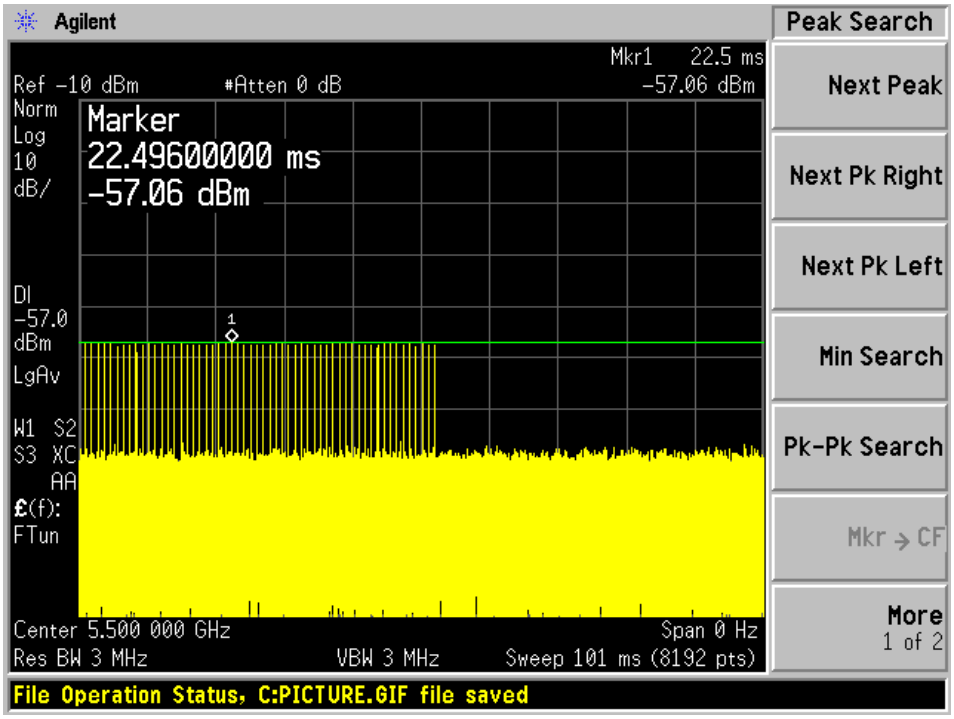
Plots of Radar Waveforms

5530 MHz

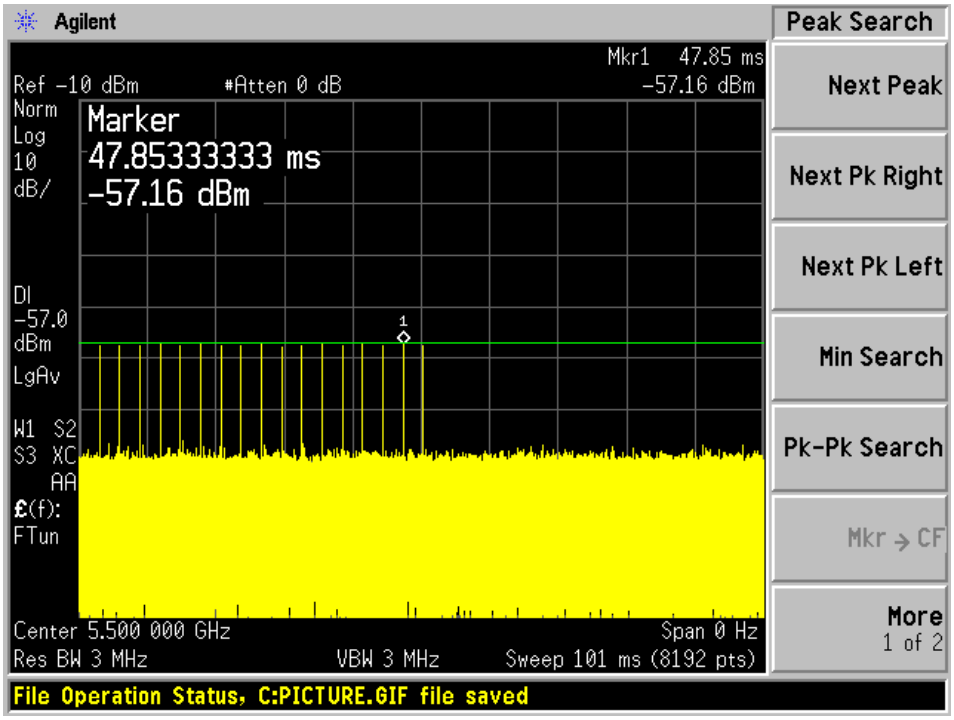
Radar Type 0



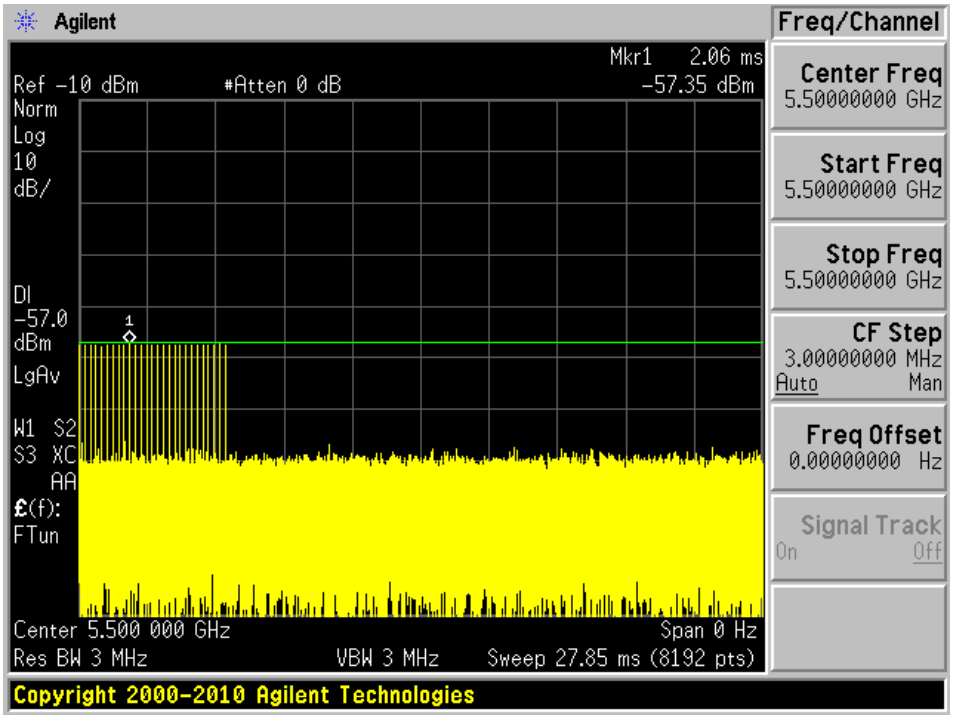
Radar Type 1A



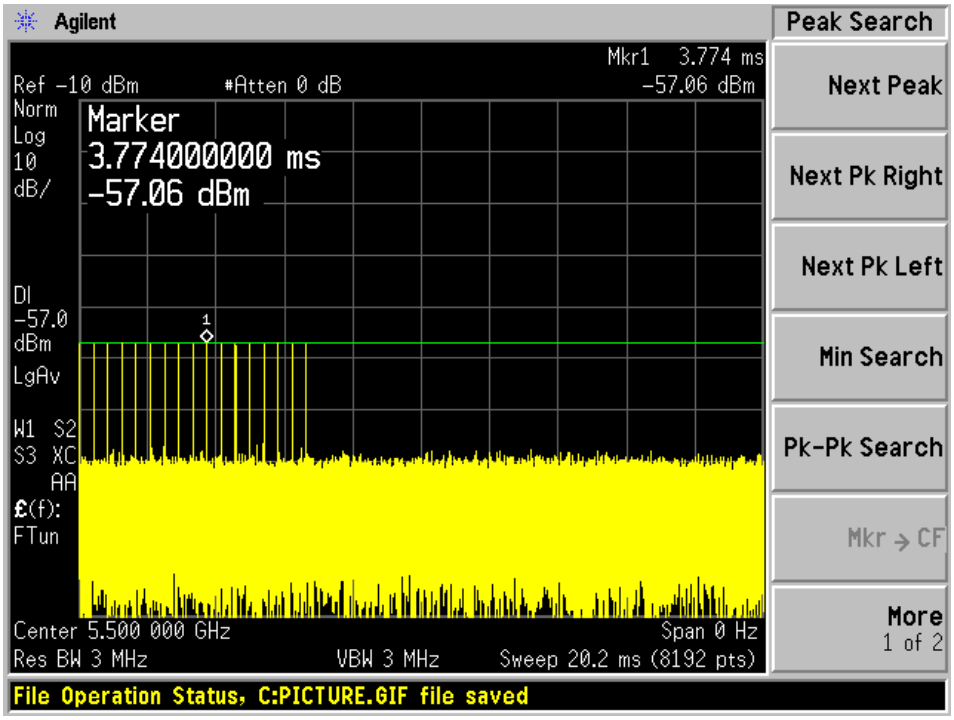
Radar Type 1B



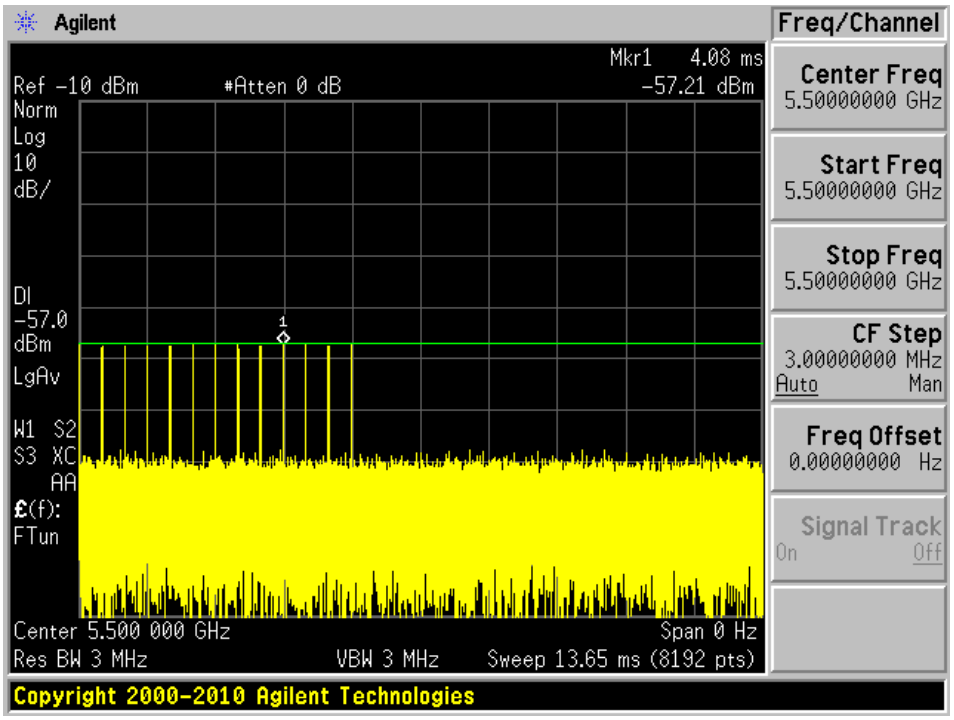
Radar Type 2



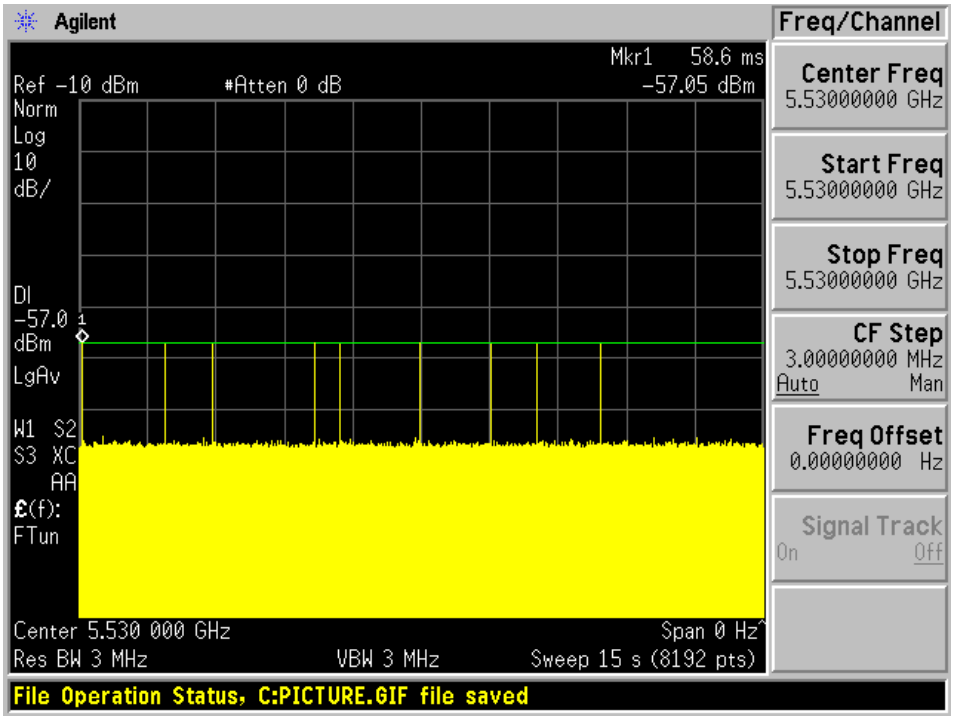
Radar Type 3



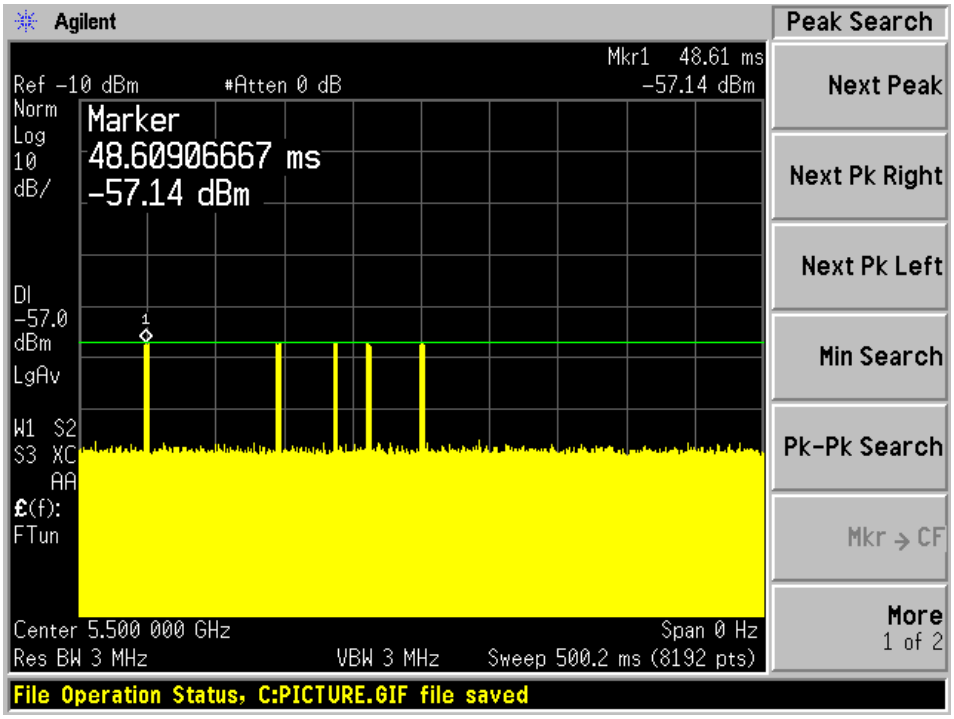
Radar Type 4



Radar Type 5

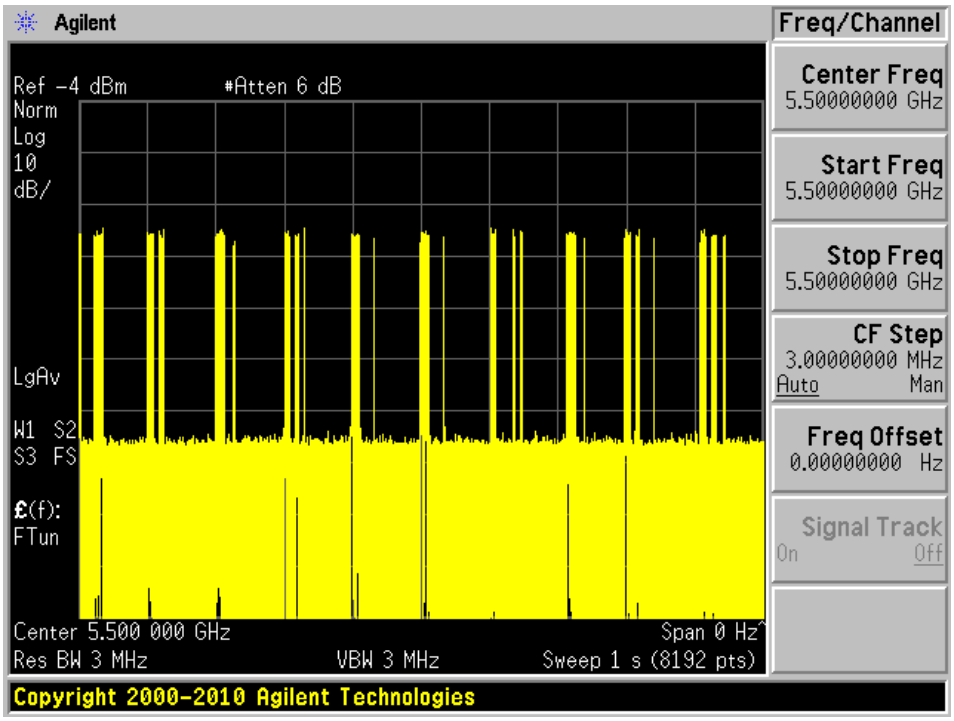


Radar Type 6

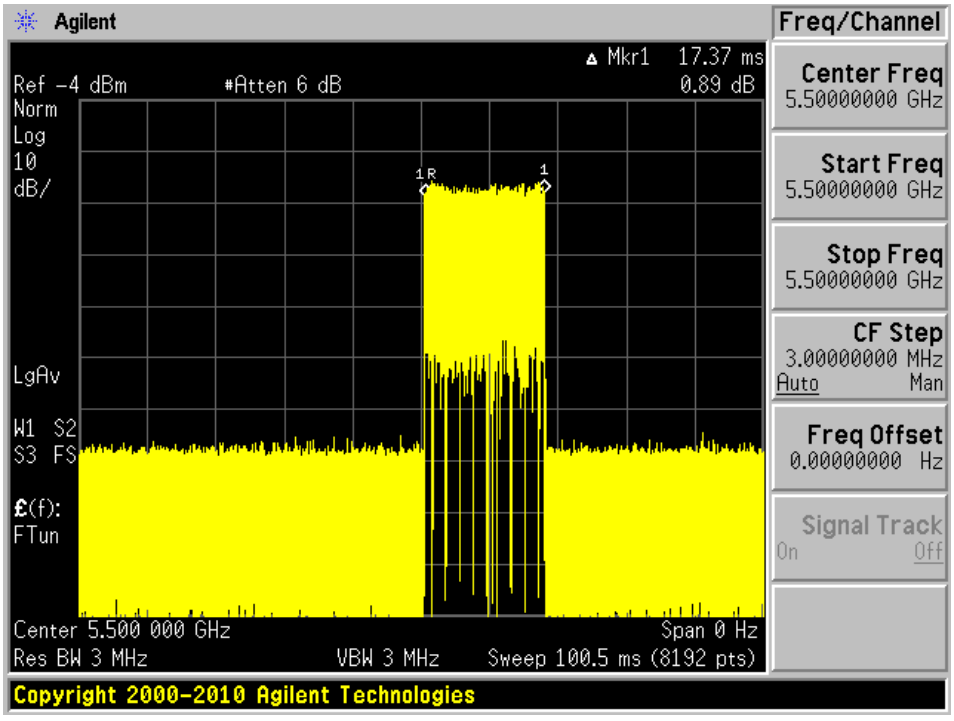


5.6 Radar Traffic Duty Cycle Example

20MHz bandwith: 5500MHz
10 pulses in 1s

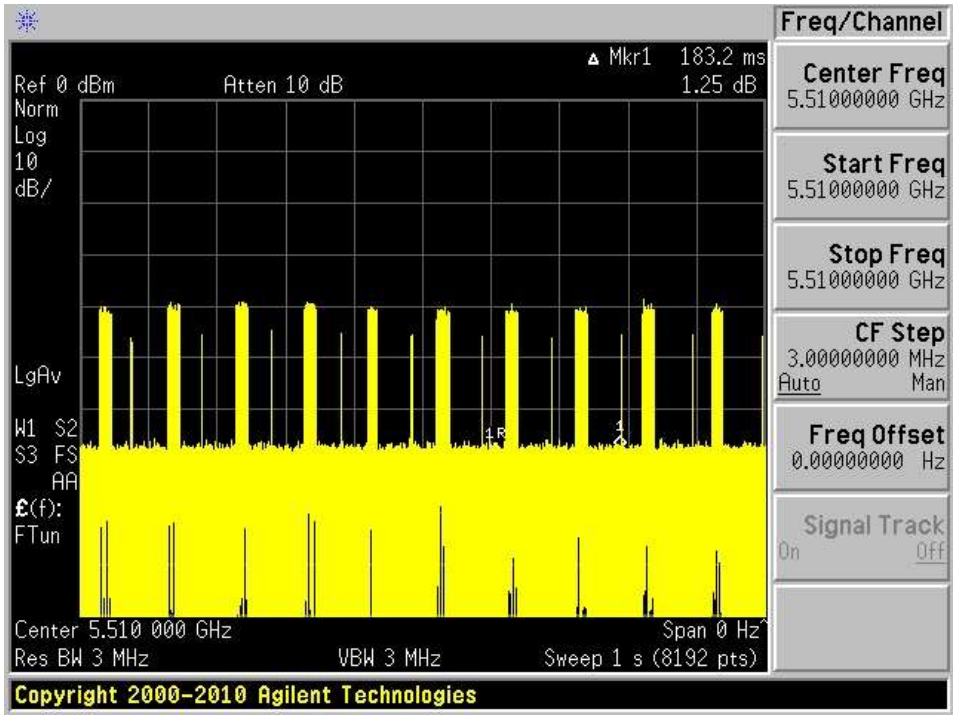


1 pulse width in 100ms

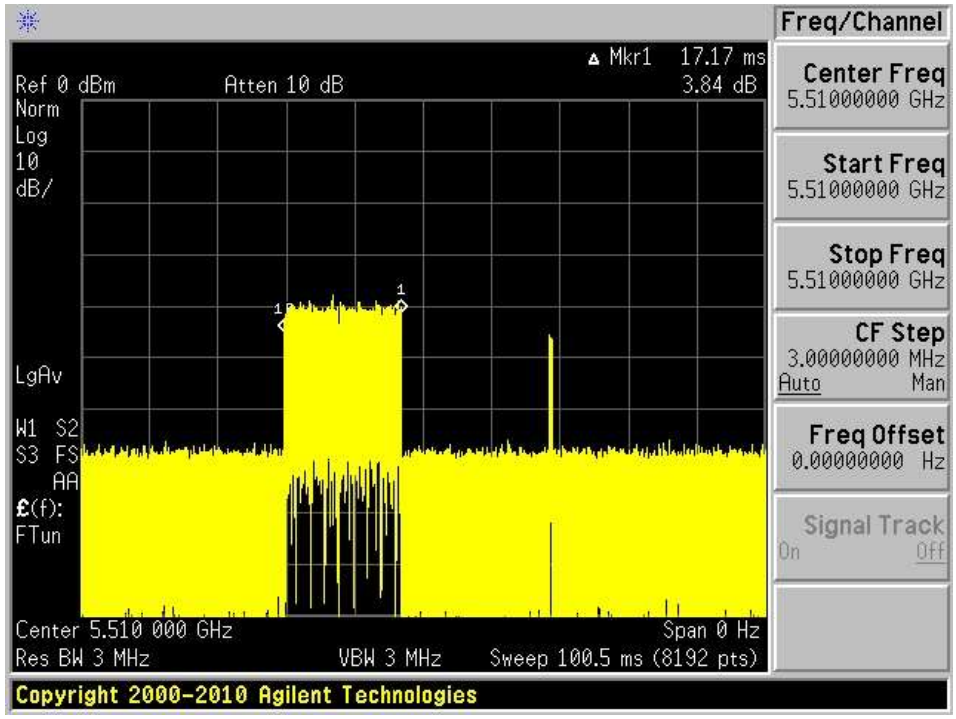


The Duty Cycle of the traffic is greater than 17%

40MHz bandwith: 5510MHz
10 pulses in 1s

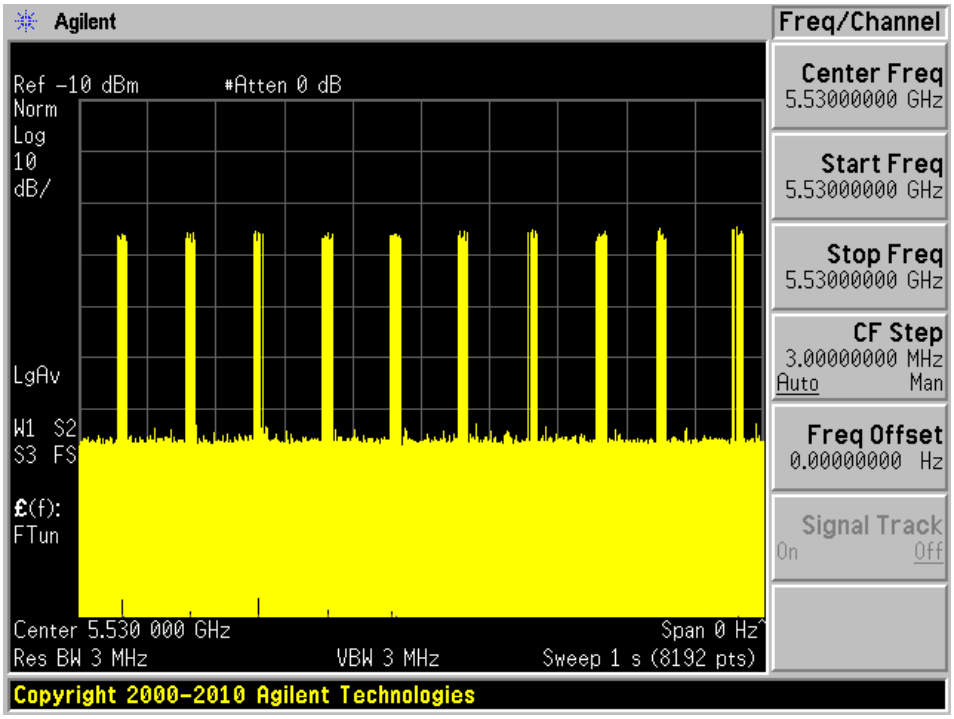


1 pulse width in 100ms

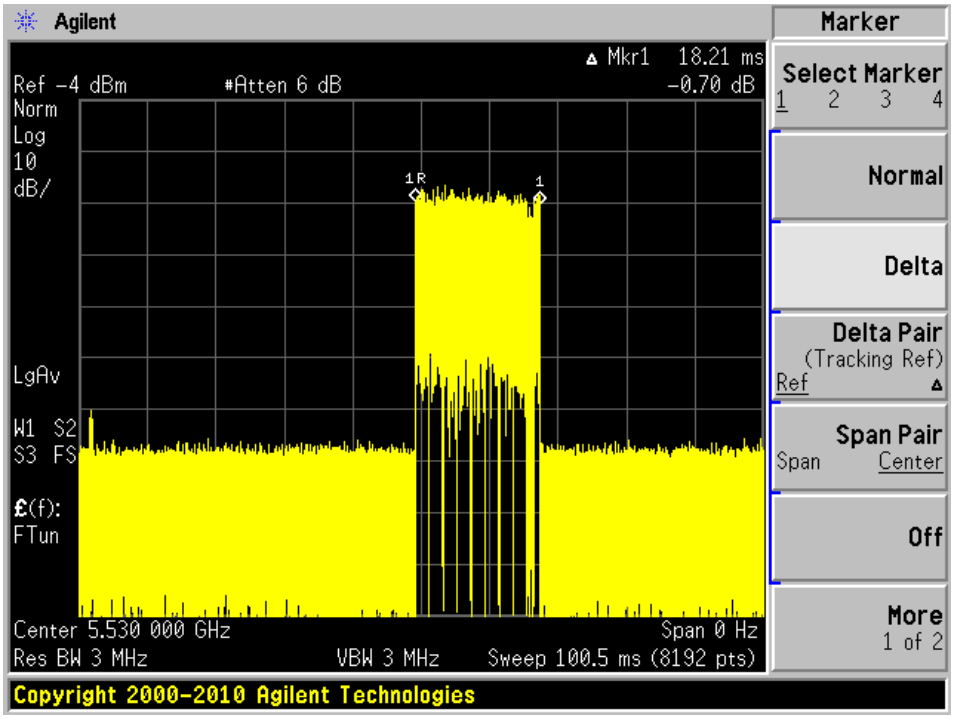


The Duty Cycle of the traffic is greater than 17%

80MHz bandwith: 5530MHz
10 pulses in 1s



1 pulse width in 100ms



The Duty Cycle of the traffic is greater than 17%

6 Channel Availability Check Time (CAC)

6.1 Test Procedure

Radio1 procedure

1) Use the command to set channel, then use command to reboot the EUT, meanwhile, record the power cycle time together with CAC time. Use the total time minus 60 seconds to get 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.

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.

Radio2 procedure

1) The channel 149 at 5745 MHz will be the default channel when EUT powered on. Use the command to set channel to 100 at 5500 MHz, the channel need some around 7 seconds to config the samle and started CAC. Record the total time and use the total time minus 60 seconds to get the channel config time.

2) Reboot the EUT again, using the same way to config the EUT and apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer.

3) Reboot the EUT again, using the same way to config the 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.

6.2 Results:

5 GHz Radio 1+5 GHz AUX

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

5 GHz Radio 2+5 GHz AUX

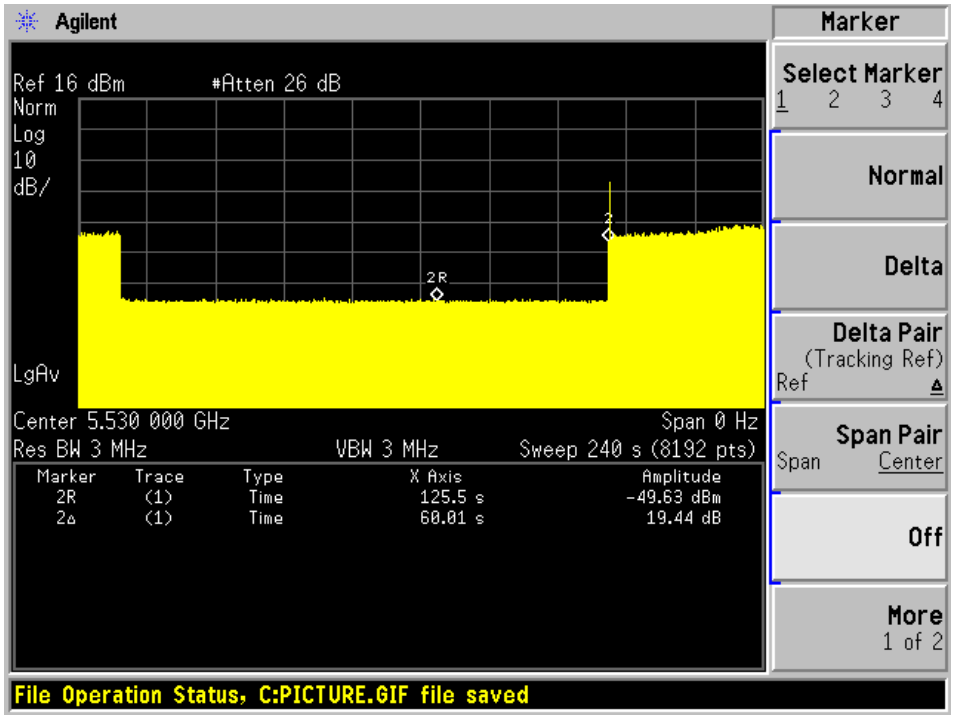
Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

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

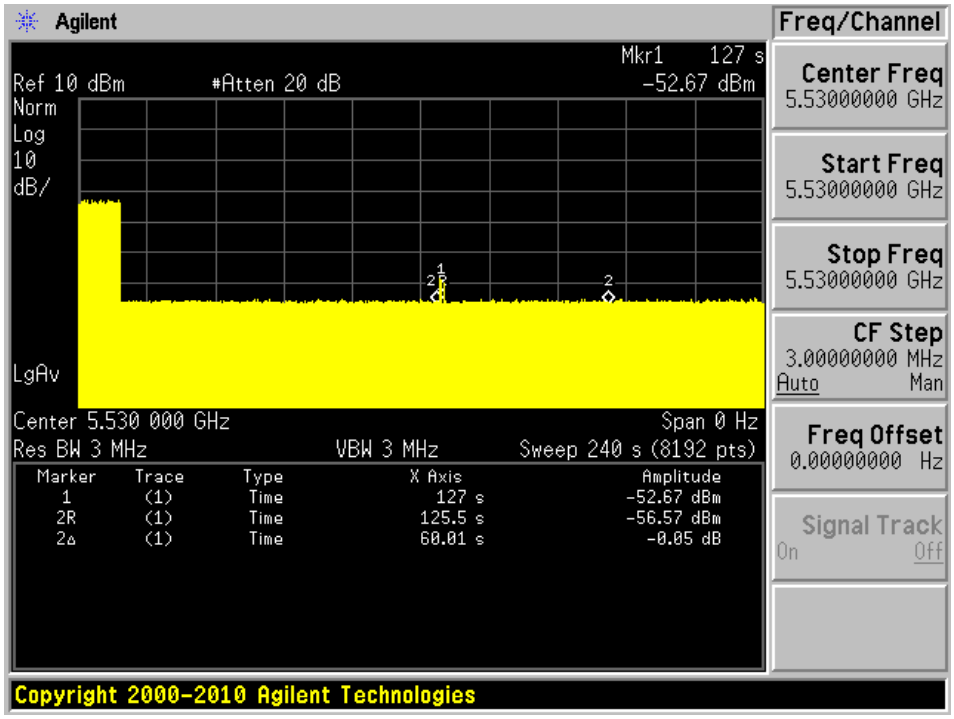
5 GHz Radio 1 + 5 GHz AUX

5530 MHz

Plot of Power Cycle + CAC Time Period

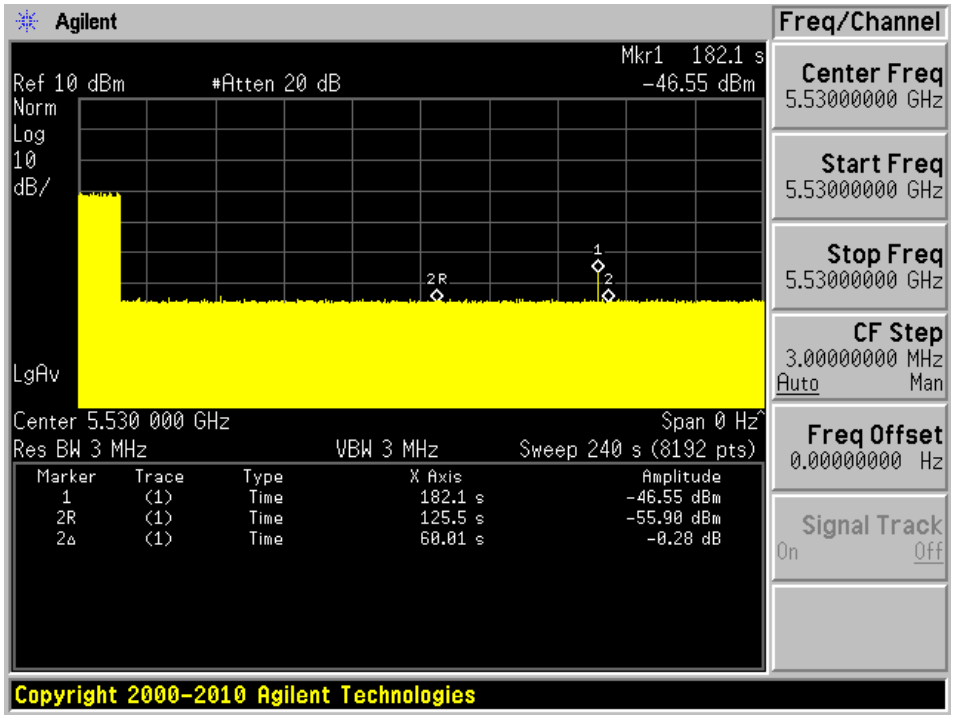


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

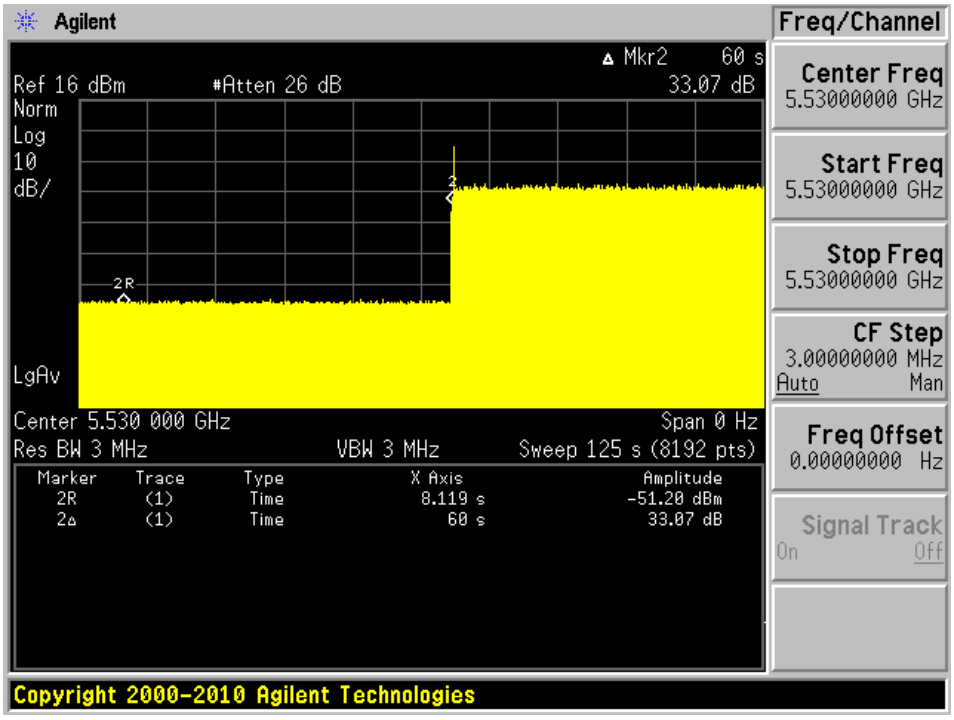
Plot of Radar signal applied at the end of 6 seconds of CAC



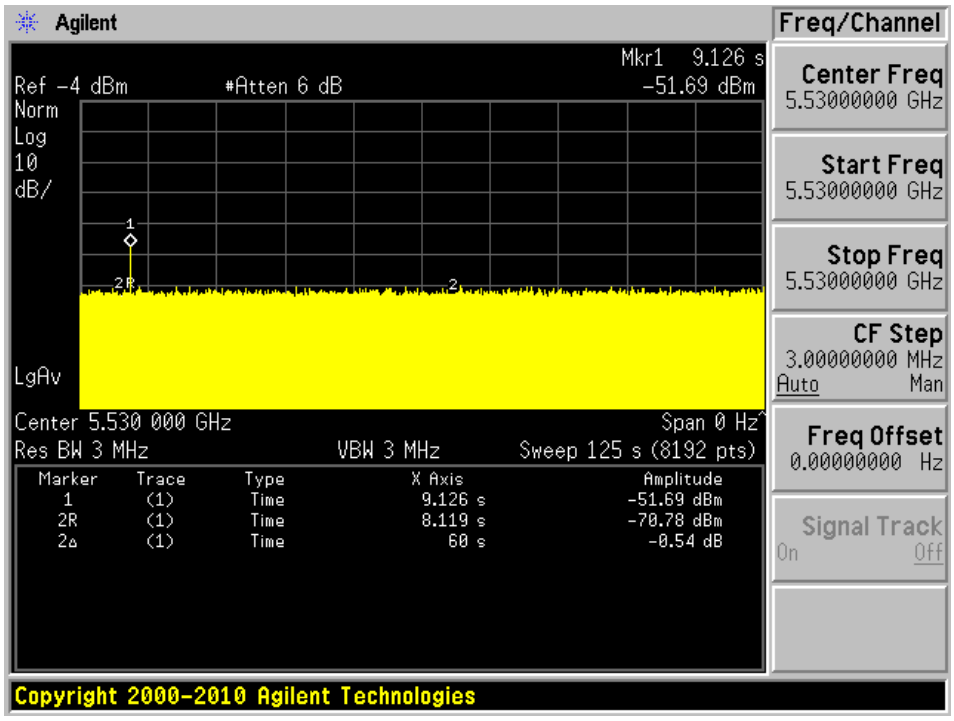
5 GHz Radio 2 + 5 GHz AUX

5530 MHz

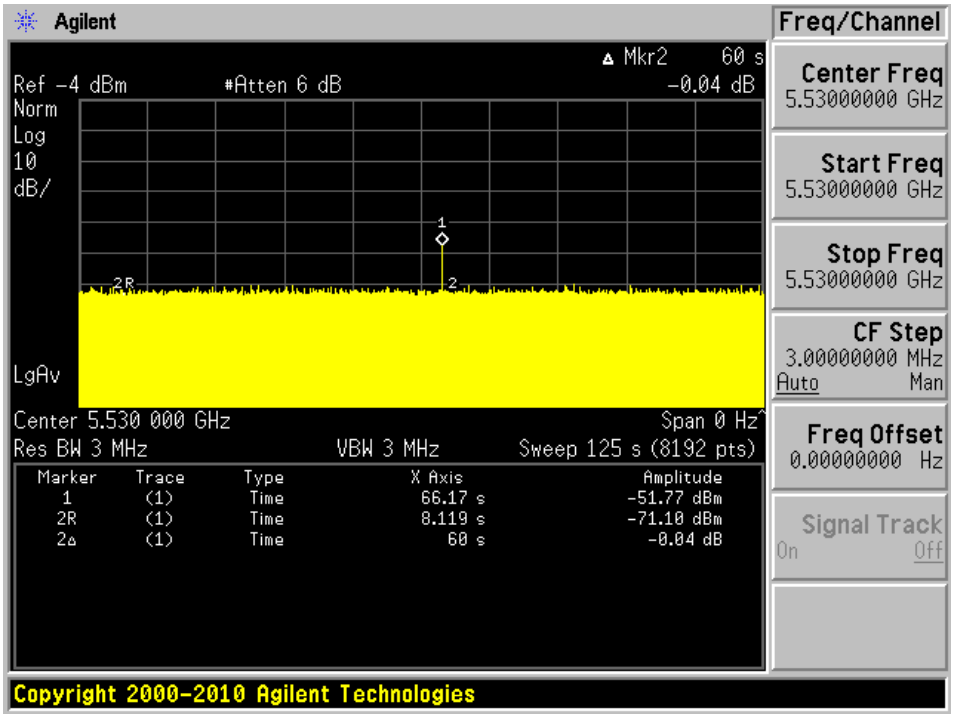
Plot of Power Cycle + CAC Time Period



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



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



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

5 GHz Radio 1 + 5 GHz AUX

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

5 GHz Radio 2 + 5 GHz AUX

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

Please refer to the following tables and plots.

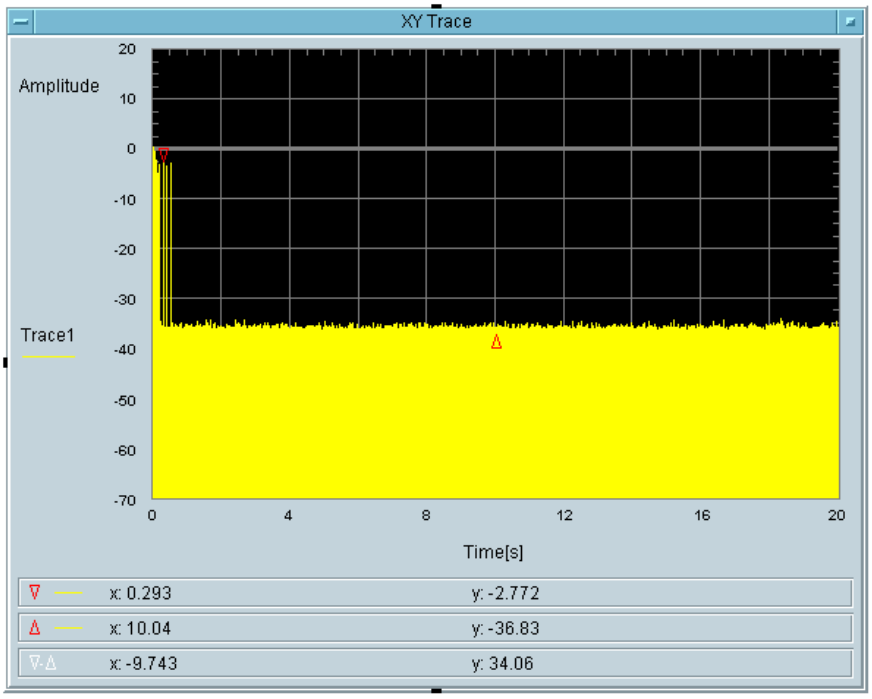
5 GHz Radio 1 + 5 GHz AUX

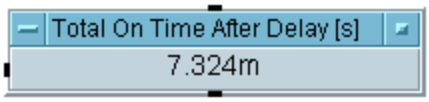
5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
34.18+7.324	200+60	Pass

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





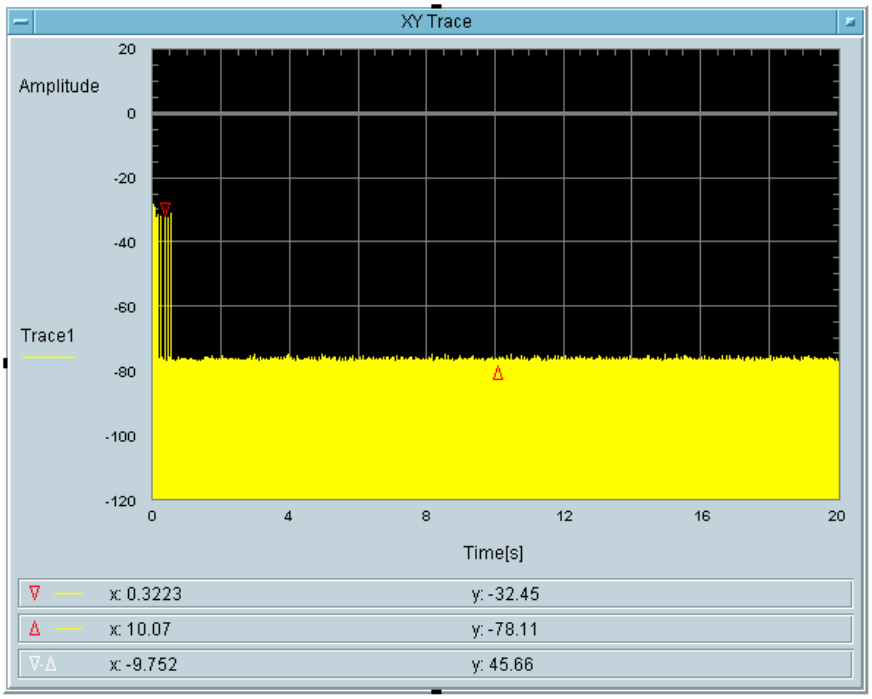
5 GHz Radio 2 + 5 GHz AUX

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
29.3+9.766	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

5 GHz Radio 1+ 5 GHz AUX

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

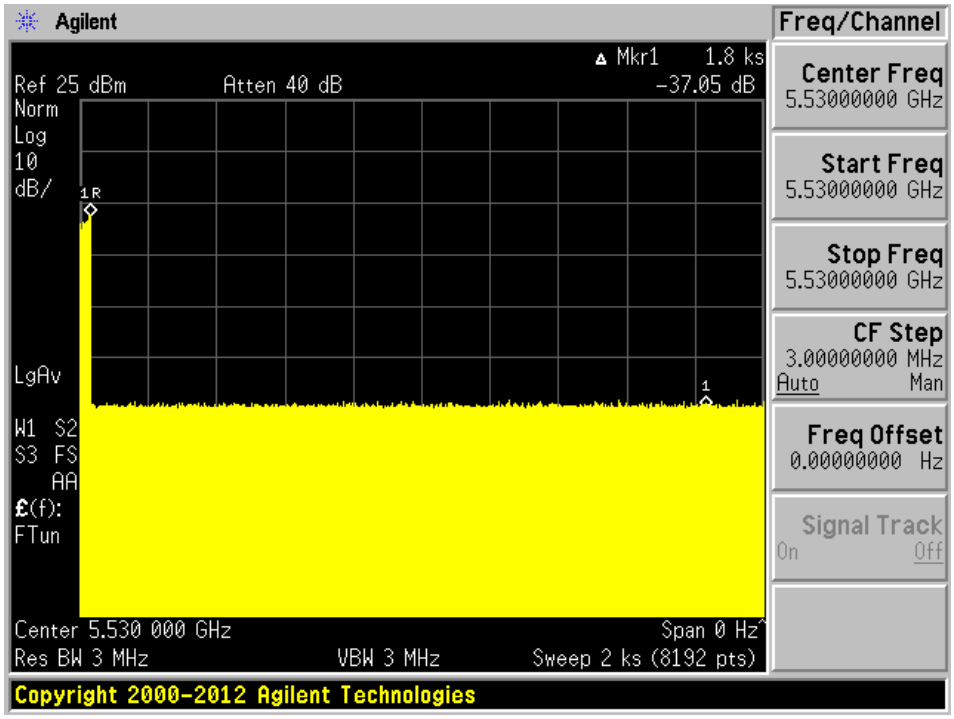
5 GHz Radio 2+ 5 GHz AUX

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

Please refer to the following plots.

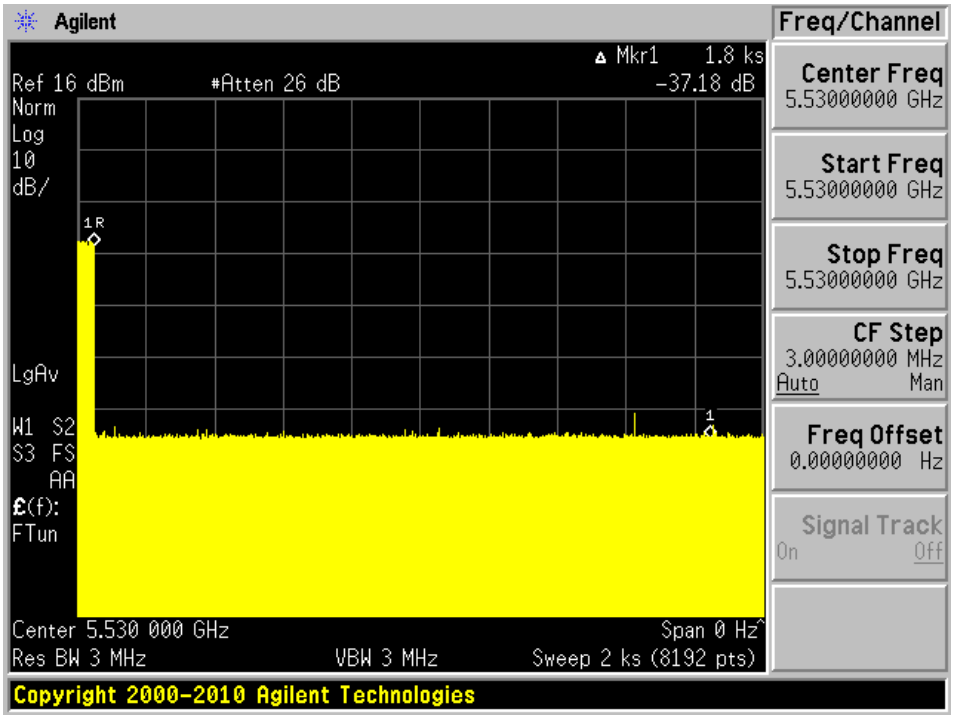
5 GHz Radio 1 + 5 GHz AUX

5530 MHz, Bandwidth 80 MHz



5 GHz Radio 2 + 5 GHz AUX

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

5 GHz Radio 1+ 5 GHz AUX

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490.5	5509.5	19	100%	Compliance
5510	5491	5529	38	100%	Compliance
5530	5491	5569	78	100%	Compliance

5 GHz Radio 2+ 5 GHz AUX

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490.5	5509.5	19	100%	Compliance
5510	5491	5529	38	100%	Compliance
5530	5491	5569	78	100%	Compliance

Results of Detection Bandwidth:

5 GHz Radio 1+ 5 GHz AUX

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	0	0	0	0	0	0	0	0	0	0	0 %
5490.5(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 %
5509.5(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5511	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5510-5491=19 MHz											
EUT 99% OBW = 18.98 MHz; 18.98 x 100% = 18.9 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	0	0	0	0	0	0	0	0	0	0	0 %
5491(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(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 %
5529(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5530	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5529-5491=38 MHz											
EUT 99% OBW = 37.63 MHz; 37.63 x 100% = 37.63 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	0	0	0	0	0	0	0	0	0	0	0 %
5491(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	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(Fc)	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	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5569-5491=78 MHz											
EUT 99% OBW = 77.10 MHz; 77.10 x 100% = 77.10 MHz **Result:** Pass											

5 GHz Radio 2+ 5 GHz AUX

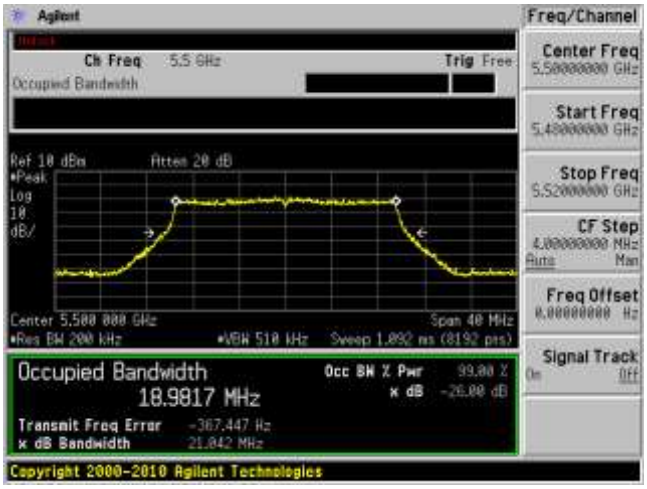
EUT Frequency = 5500 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490	0	0	0	0	0	0	0	0	0	0	0 %
5490.5(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
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 %
5509.5(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5511	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5510-5491=19 MHz											
EUT 99% OBW = 18.98 MHz; 18.98 x 100% = 18.9 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	0	0	0	0	0	0	0	0	0	0	0 %
5491(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(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 %
5529(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5530	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5529-5491=38 MHz											
EUT 99% OBW = 37.63 MHz; 37.63 x 100% = 37.63 MHz **Result:** Pass											

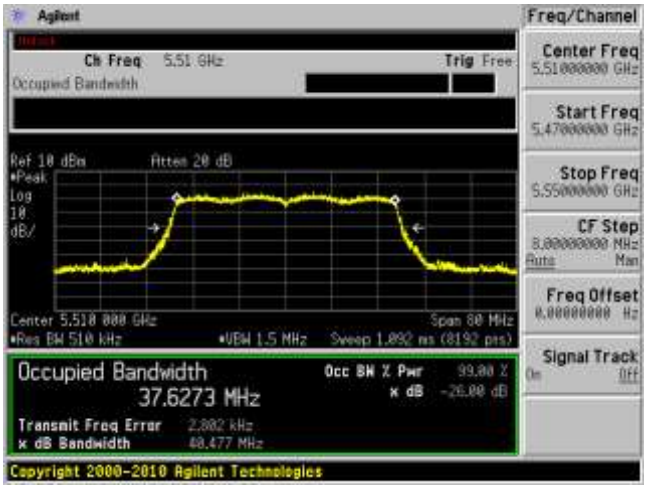
EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490	0	0	0	0	0	0	0	0	0	0	0 %
5491(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	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(Fc)	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	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5569-5491=78 MHz											
EUT 99% OBW = 77.10 MHz; 77.10 x 100% = 77.10 MHz **Result:** Pass											

OBW Measurement

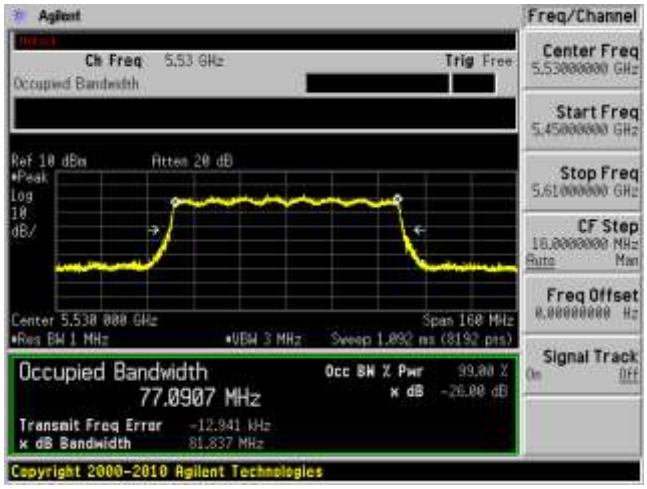
20 MHz



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:

5 GHz Radio 1+ 5 GHz AUX

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	73.3 %	60%	Pass
Type 3	30	76.7 %	60%	Pass
Type 4	30	80.0 %	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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	59	1	898	1
2	5500	68	1	778	1
3	5500	76	1	698	1
4	5500	67	1	798	1
5	5500	70	1	758	1
6	5490.5	57	1	938	1
7	5490.5	61	1	878	1
8	5490.5	83	1	638	1
9	5490.5	81	1	658	1
10	5490.5	92	1	578	1
11	5509.5	78	1	678	1
12	5509.5	65	1	818	1
13	5509.5	102	1	518	1
14	5509.5	62	1	858	1
15	5509.5	18	1	3066	1
16	5500	77	1	688	1
17	5500	20	1	2673	1
18	5500	28	1	1900	1
19	5500	32	1	1667	1
20	5500	88	1	604	1
21	5490.5	77	1	690	1
22	5490.5	38	1	1418	1
23	5490.5	33	1	1606	1
24	5490.5	62	1	860	1
25	5490.5	89	1	599	1
26	5509.5	31	1	1703	1
27	5509.5	20	1	2749	1
28	5509.5	36	1	1469	1
29	5509.5	26	1	2078	1
30	5509.5	26	1	2050	1
Detection Percentage: 100% (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	26	2.5	209	1
2	5500	29	2.6	226	1
3	5500	23	4.2	212	1
4	5500	27	3.2	208	0
5	5500	28	4.8	168	1
6	5500	23	1.8	203	0
7	5500	24	1.3	217	1
8	5500	24	4.4	204	1
9	5500	25	4.8	226	1
10	5500	24	3.6	170	1
11	5490.5	27	4.9	185	1
12	5490.5	26	1.2	215	0
13	5490.5	26	1.4	164	1
14	5490.5	24	1.7	157	1
15	5490.5	24	4.8	179	0
16	5490.5	26	2.9	153	1
17	5490.5	23	3.9	162	1
18	5490.5	29	1.1	168	0
19	5490.5	24	2.4	167	1
20	5490.5	23	4.7	178	1
21	5509.5	24	1.5	212	0
22	5509.5	27	3.6	166	1
23	5509.5	26	3.9	192	1
24	5509.5	27	1.7	176	0
25	5509.5	27	3.1	227	1
26	5509.5	25	4.5	220	1
27	5509.5	27	1.7	229	1
28	5509.5	27	1.8	166	0
29	5509.5	24	3.4	180	1
30	5509.5	28	3	161	1
Detection Percentage: 73.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	18	8.7	435	1
2	5500	17	9	259	1
3	5500	18	6.1	351	0
4	5500	18	7.8	446	1
5	5500	17	8.2	287	1
6	5500	18	8.8	439	1
7	5500	16	7.5	358	1
8	5500	17	7.1	414	1
9	5500	16	8.1	247	0
10	5500	16	9	378	0
11	5490.5	16	7.7	326	0
12	5490.5	18	6.4	424	1
13	5490.5	16	7.8	363	1
14	5490.5	18	6.4	227	1
15	5490.5	17	7.7	303	1
16	5490.5	16	7.4	216	1
17	5490.5	18	6.4	257	1
18	5490.5	17	7.4	262	1
19	5490.5	16	9.3	276	0
20	5490.5	18	9.7	431	0
21	5509.5	17	6.4	480	1
22	5509.5	17	6.9	238	1
23	5509.5	17	6.5	455	1
24	5509.5	18	10	218	1
25	5509.5	16	9	451	1
26	5509.5	17	6.6	395	1
27	5509.5	17	6.5	250	1
28	5509.5	17	7.3	242	1
29	5509.5	17	9.5	244	0
30	5509.5	18	8.3	492	1
Detection Percentage: 76.7 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	15	12.1	380	1
2	5500	14	14	274	1
3	5500	12	16.5	211	1
4	5500	14	16.3	390	1
5	5500	13	15.5	226	1
6	5500	13	13.4	451	0
7	5500	15	15.5	459	1
8	5500	15	16.4	214	1
9	5500	13	15.5	260	0
10	5500	15	14.5	221	1
11	5490.5	16	13	269	1
12	5490.5	15	15.4	317	1
13	5490.5	16	19.8	227	1
14	5490.5	13	16.8	382	1
15	5490.5	16	19.4	204	1
16	5490.5	15	13.2	226	1
17	5490.5	15	12.8	398	1
18	5490.5	14	16.6	348	0
19	5490.5	15	15.5	491	0
20	5490.5	12	11.5	496	1
21	5509.5	16	19.6	353	1
22	5509.5	13	11.2	321	1
23	5509.5	13	14.4	307	0
24	5509.5	14	16.4	426	1
25	5509.5	15	11.6	471	1
26	5509.5	15	11.2	320	1
27	5509.5	12	14.7	407	1
28	5509.5	15	16.6	483	1
29	5509.5	16	12.2	408	0
30	5509.5	12	19.8	252	1
Detection Percentage: 80.0 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500	1
2	5500	1
3	5500	1
4	5500	1
5	5500	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5492.9	1
12	5496.1	1
13	5492.9	1
14	5492.9	1
15	5496.9	1
16	5498.5	1
17	5498.1	1
18	5496.5	1
19	5493.7	1
20	5495.3	1
21	5503.9	1
22	5506.7	1
23	5503.9	1
24	5507.1	1
25	5504.3	1
26	5503.5	1
27	5503.9	1
28	5503.9	1
29	5505.9	1
30	5501.9	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	97.1			0.144522	1
1	2	12	98.1	1101		1.989622	
2	3	12	66.8	1362	1230	2.384238	
3	3	12	59.4	1460	1518	4.211842	
4	3	12	66	1523	1938	5.423813	
5	2	12	88.1	1425		5.94028	
6	2	12	51.6	1152		7.024126	
7	2	12	94.6	1657		8.002464	
8	2	12	75.3	1166		9.662493	
9	2	12	54.1	1652		10.455566	
10	3	12	75.9	1596	1769	11.802857	

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	9	61	1350		0.582278	1
1	3	9	65	1218	1797	1.140919	
2	3	9	65.9	1708	1420	2.509391	
3	2	9	61.7	1662		3.240625	
4	3	9	71.3	1267	1518	4.257949	
5	3	9	58.6	1679	1600	4.851718	
6	2	9	90.3	1311		5.763286	
7	2	9	79.8	1337		6.551394	
8	3	9	57.5	1993	1596	7.298465	
9	1	9	91.9			7.995914	
10	2	9	67	1230		8.867006	
11	2	9	50.9	1099		10.125501	
12	1	9	63.1			10.417354	
13	1	9	97.5			11.143834	

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	76.8	1809	1616	0.615523	
1	2	13	77.1	1251		1.056815	
2	2	13	56	1067		1.432553	
3	2	13	69.9	1797		2.276246	
4	2	13	93.9	1057		3.292015	
5	1	13	51.2			3.518955	
6	2	13	55.8	1293		4.108081	
7	2	13	52.3	1768		4.715125	
8	2	13	91.6	1107		5.957829	
9	1	13	87.8			6.140235	1
10	3	13	68	1133	1923	6.704256	
11	2	13	78.2	1569		7.368105	
12	1	13	82.9			8.318483	
13	2	13	86	1698		8.881909	
14	2	13	98.2	1978		9.884423	
15	1	13	76.4			10.207113	
16	2	13	61.6	1790		11.060508	
17	3	13	60.6	1327	1169	11.758901	

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	99	1275		0.434976	
1	3	7	89.3	1515	1680	1.140373	
2	3	7	73.7	1638	1268	2.543159	
3	2	7	58.3	1771		2.892459	
4	2	7	96.9	1004		4.187353	
5	1	7	78.4			4.643428	
6	2	7	70.9	1049		6.317301	1
7	1	7	94.6			6.820044	
8	2	7	59.3	1303		7.63162	
9	2	7	61.4	1503		8.957633	
10	3	7	63.3	1339	1157	10.005671	
11	1	7	79.5			10.593113	
12	3	7	77.6	1866	1294	11.650674	

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	96.1			0.457637	
1	2	15	66.3	1045		2.06657	
2	1	15	92.5			3.467346	
3	3	15	91.9	1105	1953	3.851535	
4	2	15	52.7	1142		4.848131	
5	3	15	58.6	1301	1549	6.175001	1
6	3	15	89.1	1476	1003	8.334837	
7	1	15	75.2			8.651071	
8	3	15	95.9	1418	1379	10.521492	
9	2	15	84.2	1909		11.272545	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	86.3	1658		0.073322	1
1	3	14	50.3	1456	1289	0.964482	
2	3	14	85.3	1262	1683	1.349612	
3	3	14	96.4	1288	1045	2.419941	
4	2	14	69.2	1945		3.10177	
5	1	14	87.4			3.611487	
6	1	14	58.3			4.110774	
7	1	14	94.9			5.176705	
8	3	14	66.8	1826	1586	5.988868	
9	2	14	95.1	1452		6.075417	
10	3	14	98.5	1572	1239	6.730766	
11	1	14	59			7.838074	
12	3	14	75.3	1661	1525	8.520329	
13	2	14	84.1	1312		9.126232	
14	3	14	98	1483	1976	9.585855	
15	2	14	56.4	1826		10.600765	
16	2	14	57.8	1411		10.861416	
17	1	14	95.3			11.847198	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	68.3			0.79966	1
1	2	12	53.1	1997		1.587116	
2	2	12	65.5	1834		2.446272	
3	1	12	52.8			2.928364	
4	3	12	76.6	1329	1177	4.229241	
5	1	12	53.1			5.128465	
6	2	12	82.1	1524		5.841592	
7	1	12	56.5			6.656778	
8	2	12	59.8	1665		8.095728	
9	2	12	96.2	1315		9.127031	
10	2	12	89.9	1306		9.258055	
11	3	12	75.4	1041	1675	10.90018	
12	2	12	61.9	1468		11.512927	

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	94.4	1314		0.541945	1
1	2	11	61	1445		0.796165	
2	2	11	53.2	1995		1.563396	
3	1	11	99.7			2.275253	
4	3	11	83.4	1451	1256	2.869512	
5	1	11	76.6			3.695499	
6	2	11	91.2	1662		4.696616	
7	1	11	80.6			4.94396	
8	2	11	80.5	1126		6.060035	
9	2	11	77.9	1771		6.770928	
10	1	11	68.1			7.467641	
11	3	11	56.6	1201	1509	8.160025	
12	2	11	54.3	1766		9.130655	
13	2	11	88.1	1862		9.75334	
14	1	11	99.8			10.448403	
15	1	11	91.7			11.271379	
16	2	11	55.3	1277		11.621345	

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	74	1036		0.323519	1
1	3	11	61.8	1273	1259	1.208152	
2	2	11	66.7	1836		2.961341	
3	2	11	96.1	1968		3.376762	
4	2	11	50.8	1911		4.031885	
5	2	11	82.6	1299		5.779398	
6	3	11	82.8	1605	1621	6.964926	
7	2	11	91.7	1760		7.199054	
8	2	11	57.1	1606		8.016856	
9	2	11	52.4	1468		9.016223	
10	2	11	82.9	1088		10.074379	
11	1	11	76.9			11.961586	

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	72.3	1539		1.012255	1
1	2	8	61.2	1493		2.169243	
2	1	8	90.2			3.078823	
3	1	8	79.3			3.941488	
4	3	8	84.1	1739	1898	4.44207	
5	1	8	53.2			5.626111	
6	2	8	69.1	1396		6.546078	
7	2	8	97.1	1188		8.672115	
8	3	8	69.6	1361	1063	9.222185	
9	1	8	91.4			10.620197	
10	3	8	98.4	1772	1905	11.519181	

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	81.9	1725		0.139724	1
1	2	6	77.7	1193		0.866596	
2	3	6	84.4	1978	1146	2.302396	
3	1	6	95.3			2.536508	
4	3	6	81.7	1032	1489	3.277773	
5	2	6	97.9	1194		4.705122	
6	1	6	78.3			5.200965	
7	3	6	65.1	1431	1475	6.076877	
8	1	6	69.6			6.952584	
9	1	6	51.5			7.40294	
10	3	6	99.9	1887	1936	8.533302	
11	1	6	51.3			9.046299	
12	2	6	65.5	1708		10.170526	
13	2	6	58.6	1388		10.809735	
14	3	6	96	1344	1336	11.510908	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	93	1518		0.580946	
1	3	14	85.5	1859	1654	2.166254	
2	3	14	51	1721	1754	3.038645	
3	2	14	99.6	1951		3.52802	
4	3	14	87.5	1156	1251	5.029233	
5	1	14	91.1			6.351845	1
6	2	14	61.9	1349		7.032877	
7	2	14	74.7	1320		8.105658	
8	2	14	79.4	1227		8.811145	
9	2	14	86.3	1907		10.758321	
10	3	14	55.3	1738	1871	11.736475	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	50.2	1546		0.296502	
1	1	6	63.3			1.211114	
2	1	6	86.3			1.754783	
3	2	6	66.8	1902		2.5188	
4	2	6	97.9	1512		3.062601	
5	1	6	89.3			3.439399	
6	1	6	86.8			3.812847	
7	1	6	99.5			4.75905	
8	1	6	74			5.493586	
9	3	6	82.2	1339	1166	5.922707	1
10	2	6	72.1	1645		6.672647	
11	1	6	68.3			7.223206	
12	1	6	89.9			7.886586	
13	2	6	94.6	1714		8.381604	
14	2	6	54.5	1333		8.882974	
15	2	6	74.1	1742		9.612547	
16	2	6	51.5	1509		10.243722	
17	3	6	55.2	1281	1295	10.804844	
18	2	6	91.9	1183		11.575457	

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	50.1	1123	1872	0.514703	1
1	3	6	85.1	1989	1337	1.170076	
2	2	6	87.8	1758		2.576844	
3	3	6	98.2	1161	1825	3.417225	
4	3	6	95.5	1346	1419	4.630677	
5	3	6	50	1238	1446	5.484779	
6	1	6	90.3			6.67228	
7	1	6	86.9			8.640974	
8	2	6	83.8	1291		9.655977	
9	3	6	59.9	1526	1161	10.16982	
10	2	6	62.2	1971		11.644658	

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	16	50.1	1572		0.706334	1
1	1	16	63.7			1.587331	
2	2	16	93.1	1153		2.630792	
3	1	16	60.9			3.479261	
4	1	16	76.2			4.546029	
5	1	16	70.4			5.622841	
6	1	16	76.1			7.587133	
7	1	16	76.1			8.095405	
8	1	16	83.8			9.393048	
9	1	16	59.9			10.284175	
10	2	16	94	1263		11.348343	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	63	1607		0.067235	
1	2	20	66.9	1688		0.998897	
2	1	20	74.2			1.580993	
3	2	20	95.2	1563		2.706782	
4	1	20	60.6			3.448857	
5	2	20	66.6	1494		3.94269	
6	2	20	74.1	1733		4.580875	
7	2	20	69.5	1852		5.204974	
8	1	20	76.8			6.020274	1
9	1	20	56.2			6.749947	
10	2	20	87.1	1685		7.732357	
11	3	20	83.8	1418	1146	7.790276	
12	1	20	88			8.884011	
13	1	20	59.7			9.666981	
14	1	20	93			10.142344	
15	3	20	65.4	1248	1291	10.920186	
16	3	20	68.5	1444	1566	11.425075	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	76.8			0.027816	
1	2	19	94.7	1967		1.54736	
2	3	19	71.4	1632	1173	2.29158	
3	3	19	58.1	1542	1198	3.075419	
4	3	19	54.1	1686	1904	3.803822	
5	2	19	65.9	1501		4.656438	
6	2	19	76	1389		5.273267	
7	1	19	60.6			6.179693	1
8	2	19	78.1	1901		7.059644	
9	3	19	80	1608	1659	7.876583	
10	1	19	53.1			8.354019	
11	1	19	65.9			9.584626	
12	2	19	71.7	1259		10.026899	
13	1	19	90.1			11.084721	
14	3	19	89.1	1903	1781	11.968981	

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	15	56.5	1134	1606	0.165833	1
1	1	15	72.2			1.458872	
2	2	15	71.9	1135		2.811589	
3	1	15	63.4			4.033464	
4	3	15	94.9	1314	1787	5.475454	
5	1	15	60.8			6.190776	
6	2	15	98.6	1649		7.390455	
7	2	15	66.4	1320		8.498075	
8	1	15	93.2			10.169327	
9	2	15	52.4	1606		11.539465	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	50.1	1705		0.062849	1
1	3	8	79.1	1108	1067	1.031299	
2	2	8	55.2	1851		1.927633	
3	2	8	85	1864		3.530262	
4	2	8	60	1870		3.69907	
5	2	8	60.3	1501		5.229506	
6	3	8	96.8	1574	1184	5.690143	
7	1	8	89.4			6.695276	
8	2	8	76.3	1894		7.779525	
9	2	8	84.4	1686		8.994021	
10	2	8	59.9	1153		9.766984	
11	1	8	80.9			10.399102	
12	2	8	83.5	1464		11.548599	

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	12	84.4	1854		0.38088	1
1	3	12	87.9	1080	1724	1.034488	
2	3	12	93.1	1985	1770	1.95068	
3	1	12	60.1			3.061235	
4	3	12	57.7	1693	1590	3.942504	
5	3	12	61.8	1339	1257	4.624527	
6	2	12	62	1166		5.389348	
7	2	12	59.3	1251		6.097157	
8	1	12	52.9			6.904987	
9	3	12	60.9	1402	1220	8.555792	
10	2	12	81.3	1023		8.635388	
11	1	12	99.5			10.240473	
12	1	12	69.5			10.614984	
13	3	12	53.4	1731	1518	11.824903	

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	14	83.1			0.321196	1
1	2	14	57.1	1360		1.142602	
2	2	14	56.7	1931		2.102148	
3	1	14	78			2.627575	
4	2	14	61.6	1417		4.046439	
5	1	14	64			5.050277	
6	2	14	94	1265		5.238787	
7	2	14	67.8	1327		6.11915	
8	2	14	57.2	1379		7.227174	
9	3	14	92.2	1285	1642	8.251544	
10	2	14	86.4	1416		9.039761	
11	1	14	67.2			9.842117	
12	2	14	72.6	1272		10.933839	
13	3	14	83.7	1985	1460	11.566052	

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	7	86.4	1519		0.738343	1
1	3	7	58.3	1219	1443	1.410012	
2	2	7	89	1965		1.909811	
3	1	7	79.6			2.803681	
4	3	7	58.5	1547	1414	4.049678	
5	1	7	91.9			4.535977	
6	2	7	82.4	1846		5.161762	
7	1	7	53.5			6.831555	
8	2	7	87.3	1715		7.092911	
9	3	7	96.8	1718	1841	8.371329	
10	3	7	78.1	1506	1454	9.053734	
11	2	7	51.3	1793		9.961932	
12	1	7	94			10.479557	
13	2	7	86.1	1517		11.173994	

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	74.7	1024		0.347931	1
1	2	14	84.4	1983		1.191664	
2	3	14	64.4	1960	1138	2.45024	
3	1	14	80.6			3.054992	
4	2	14	93.3	1144		4.400773	
5	2	14	66.5	1231		5.329612	
6	2	14	73.7	1122		6.367822	
7	2	14	87.7	1232		7.964224	
8	1	14	54.4			8.755892	
9	3	14	65.1	1940	1913	9.811669	
10	2	14	56.1	1401		10.153198	
11	2	14	63.6	1995		11.302065	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	88.4	1932	1871	0.417468	1
1	3	6	59.5	1169	1383	0.907375	
2	3	6	70.4	1796	1493	1.708094	
3	2	6	79.7	1167		2.804467	
4	2	6	69.9	1604		2.952148	
5	2	6	58.9	1813		3.569894	
6	2	6	75.4	1356		4.296049	
7	2	6	56.3	1337		5.085222	
8	2	6	69.7	1047		5.756979	
9	2	6	98.7	1588		6.868562	
10	2	6	83	1646		7.513734	
11	1	6	96.3			8.175316	
12	2	6	99.7	1774		8.734926	
13	1	6	52.8			9.261472	
14	2	6	67.3	1668		10.436385	
15	2	6	76.6	1029		11.210037	
16	2	6	81.5	1821		11.330755	

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	13	51.7	1417	1135	0.395329	1
1	2	13	74.1	1732		1.183934	
2	3	13	75.5	1827	1715	1.769951	
3	3	13	86.7	1385	1379	2.974809	
4	2	13	50.9	1900		3.679986	
5	3	13	93.1	1668	1516	4.051745	
6	3	13	70.1	1737	1861	5.014065	
7	3	13	81.4	1943	1059	5.790818	
8	1	13	60.2			6.432722	
9	1	13	86.4			7.135076	
10	2	13	96.2	1617		7.749142	
11	1	13	88.5			8.318033	
12	3	13	88.3	1178	1342	9.630713	
13	2	13	54.5	1921		10.437618	
14	2	13	70.5	1344		10.516496	
15	2	13	73.3	1204		11.748718	

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	74.7	1867		0.57141	1
1	2	15	97.6	1495		0.885493	
2	2	15	63.5	1449		1.843198	
3	2	15	91.4	1432		2.322754	
4	2	15	70.8	1674		2.781522	
5	2	15	92	1843		3.607295	
6	1	15	93.5			4.431052	
7	3	15	90.6	1565	1800	5.218708	
8	1	15	57.2			5.402001	
9	1	15	62.9			6.233162	
10	1	15	84.5			6.786502	
11	3	15	67.3	1891	1385	7.890974	
12	1	15	55.1			8.183807	
13	2	15	50.3	1461		8.755829	
14	1	15	96.4			9.340002	
15	2	15	97.5	1195		10.295391	
16	2	15	62.1	1585		10.78036	
17	3	15	64	1645	1214	11.484256	

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	68.1	1835		0.350974	1
1	3	14	84.4	1621	1002	1.039768	
2	1	14	59.4			2.11633	
3	2	14	55.6	1463		3.546898	
4	3	14	98	1817	1702	4.048346	
5	1	14	79.7			5.783681	
6	2	14	90.6	1130		6.565337	
7	1	14	83.8			7.126519	
8	3	14	67.4	1761	1010	8.478895	
9	1	14	87.4			9.830358	
10	1	14	74.3			10.609482	
11	1	14	86.1			11.874376	

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	58.6	1209		0.301137	1
1	3	14	63.7	1346	1396	1.047215	
2	3	14	83.2	1752	1986	2.167047	
3	3	14	78	1742	1602	3.47054	
4	2	14	98.7	1677		4.563864	
5	2	14	75.4	1322		4.68018	
6	2	14	53.8	1982		6.287444	
7	2	14	89.4	1889		7.270964	
8	2	14	52.8	1463		8.203001	
9	1	14	58			8.553287	
10	2	14	52	1765		10.058828	
11	2	14	83.2	1950		10.976356	
12	2	14	66.9	1928		11.922286	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	78.6			0.18236	1
1	2	9	66	1205		0.755564	
2	1	9	79.2			1.374875	
3	3	9	58.6	1400	1343	1.87474	
4	2	9	77.7	1743		2.938623	
5	1	9	54.6			3.123736	
6	2	9	87.9	1472		3.767269	
7	2	9	80.8	1709		4.330689	
8	1	9	74.1			5.196945	
9	2	9	52.5	1194		5.662621	
10	3	9	84.3	1335	1156	6.02862	
11	2	9	80.3	1407		6.627087	
12	3	9	58.1	1763	1999	7.551146	
13	2	9	76.1	1009		7.928603	
14	1	9	75.4			8.601183	
15	3	9	84.7	1412	1111	9.016418	
16	2	9	61.6	1414		10.019906	
17	2	9	65.5	1052		10.569743	
18	3	9	67.8	1480	1565	11.022712	
19	3	9	71.7	1804	1709	11.407393	

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	19	94.3	1863	1981	0.572626	1
1	3	19	60	1165	1406	2.3591	
2	3	19	55.8	1584	1657	3.61019	
3	2	19	93.4	1210		4.676791	
4	2	19	64.6	1089		6.445965	
5	2	19	83.3	1340		6.753347	
6	2	19	99.6	1368		8.254366	
7	3	19	94.3	1143	1838	9.692699	
8	2	19	89.9	1935		11.420502	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500	9	1	333	1	5261.0, 5385.0, 5293.0, 5565.0, 5705.0, 5347.0, 5284.0, 5353.0, 5568.0, 5422.0, 5328.0, 5519.0, 5716.0, 5524.0, 5639.0, 5701.0, 5253.0, 5650.0, 5478.0, 5441.0, 5420.0, 5324.0, 5456.0, 5477.0, 5287.0, 5281.0, 5344.0, 5322.0, 5426.0, 5380.0, 5675.0, 5473.0, 5573.0, 5342.0, 5438.0, 5413.0, 5621.0, 5651.0, 5552.0, 5522.0, 5586.0, 5466.0, 5558.0, 5276.0, 5717.0, 5354.0, 5714.0, 5644.0, 5594.0, 5486.0, 5710.0, 5391.0, 5661.0, 5515.0, 5481.0, 5721.0, 5307.0, 5712.0, 5341.0, 5365.0, 5708.0, 5480.0, 5349.0, 5443.0, 5532.0, 5666.0, 5315.0, 5362.0, 5351.0, 5327.0, 5591.0, 5530.0, 5694.0, 5459.0, 5345.0, 5289.0, 5592.0, 5277.0, 5358.0, 5340.0, 5507.0, 5421.0, 5589.0, 5268.0, 5550.0, 5685.0, 5263.0, 5641.0, 5485.0, 5335.0, 5711.0, 5419.0, 5490.0, 5673.0, 5282.0, 5428.0, 5633.0, 5407.0, 5631.0, 5423.0 (number of hits: 2)
2	5500	9	1	333	1	5653.0, 5452.0, 5363.0, 5356.0, 5273.0, 5332.0, 5442.0, 5695.0, 5290.0, 5468.0, 5516.0, 5557.0, 5354.0, 5463.0, 5292.0, 5563.0, 5711.0, 5723.0, 5393.0, 5259.0, 5303.0, 5473.0, 5498.0, 5521.0, 5590.0, 5636.0, 5596.0, 5425.0, 5317.0, 5330.0, 5606.0, 5547.0, 5496.0, 5426.0, 5431.0, 5710.0, 5535.0, 5622.0, 5662.0, 5355.0, 5611.0, 5704.0, 5646.0, 5531.0, 5359.0, 5507.0, 5582.0, 5265.0, 5268.0, 5648.0, 5418.0, 5519.0, 5649.0, 5657.0, 5255.0, 5407.0, 5432.0, 5638.0, 5385.0, 5594.0, 5286.0, 5382.0, 5676.0, 5571.0, 5372.0, 5471.0, 5479.0, 5525.0, 5541.0, 5599.0, 5701.0, 5591.0, 5440.0, 5277.0, 5491.0, 5289.0, 5683.0, 5626.0, 5460.0, 5251.0, 5446.0, 5272.0, 5675.0, 5593.0, 5398.0, 5358.0, 5538.0, 5527.0, 5588.0, 5652.0, 5461.0, 5625.0, 5693.0, 5333.0, 5428.0, 5469.0, 5501.0, 5660.0, 5600.0, 5555.0 (number of hits: 5)
3	5500	9	1	333	1	5683.0, 5667.0, 5514.0, 5351.0, 5312.0, 5536.0, 5383.0, 5366.0, 5489.0, 5504.0, 5348.0, 5687.0, 5615.0, 5364.0, 5626.0, 5624.0, 5702.0, 5427.0, 5587.0, 5293.0, 5684.0, 5374.0, 5500.0, 5296.0, 5494.0, 5417.0, 5359.0, 5613.0, 5666.0, 5507.0, 5306.0, 5609.0, 5581.0, 5294.0, 5358.0, 5671.0, 5552.0, 5528.0, 5686.0, 5251.0, 5478.0, 5720.0, 5607.0, 5443.0, 5297.0, 5305.0, 5420.0, 5486.0, 5276.0, 5470.0, 5418.0, 5448.0, 5367.0, 5608.0, 5482.0, 5520.0, 5499.0, 5431.0, 5659.0, 5693.0, 5424.0, 5474.0, 5646.0, 5553.0, 5357.0, 5419.0, 5694.0, 5327.0, 5674.0, 5503.0, 5653.0, 5665.0, 5283.0, 5628.0, 5577.0,

						5281.0, 5508.0, 5459.0, 5400.0, 5441.0, 5466.0, 5405.0, 5618.0, 5311.0, 5481.0, 5663.0, 5409.0, 5363.0, 5632.0, 5719.0, 5373.0, 5480.0, 5423.0, 5456.0, 5416.0, 5718.0, 5525.0, 5682.0, 5515.0, 5641.0 (number of hits: 7)
4	5500	9	1	333	1	5557.0, 5670.0, 5354.0, 5428.0, 5344.0, 5615.0, 5294.0, 5677.0, 5630.0, 5635.0, 5350.0, 5494.0, 5445.0, 5309.0, 5443.0, 5579.0, 5323.0, 5509.0, 5461.0, 5299.0, 5585.0, 5285.0, 5712.0, 5295.0, 5664.0, 5464.0, 5407.0, 5582.0, 5366.0, 5359.0, 5286.0, 5708.0, 5608.0, 5451.0, 5253.0, 5722.0, 5653.0, 5502.0, 5617.0, 5346.0, 5418.0, 5281.0, 5627.0, 5420.0, 5529.0, 5504.0, 5437.0, 5645.0, 5556.0, 5338.0, 5468.0, 5621.0, 5507.0, 5326.0, 5372.0, 5593.0, 5481.0, 5255.0, 5538.0, 5616.0, 5521.0, 5260.0, 5566.0, 5487.0, 5602.0, 5599.0, 5604.0, 5456.0, 5262.0, 5711.0, 5619.0, 5396.0, 5676.0, 5720.0, 5591.0, 5341.0, 5496.0, 5364.0, 5446.0, 5706.0, 5626.0, 5517.0, 5717.0, 5278.0, 5536.0, 5377.0, 5683.0, 5265.0, 5337.0, 5485.0, 5444.0, 5460.0, 5314.0, 5256.0, 5312.0, 5525.0, 5257.0, 5690.0, 5490.0, 5448.0 (number of hits: 7)
5	5500	9	1	333	1	5688.0, 5352.0, 5464.0, 5620.0, 5497.0, 5718.0, 5378.0, 5400.0, 5433.0, 5266.0, 5275.0, 5430.0, 5393.0, 5699.0, 5328.0, 5498.0, 5551.0, 5278.0, 5437.0, 5578.0, 5685.0, 5330.0, 5435.0, 5363.0, 5646.0, 5296.0, 5392.0, 5572.0, 5495.0, 5645.0, 5608.0, 5593.0, 5546.0, 5295.0, 5441.0, 5704.0, 5341.0, 5416.0, 5368.0, 5667.0, 5649.0, 5476.0, 5503.0, 5382.0, 5640.0, 5383.0, 5289.0, 5617.0, 5431.0, 5333.0, 5318.0, 5369.0, 5600.0, 5460.0, 5682.0, 5654.0, 5274.0, 5701.0, 5415.0, 5324.0, 5543.0, 5443.0, 5691.0, 5253.0, 5614.0, 5390.0, 5603.0, 5454.0, 5716.0, 5552.0, 5591.0, 5636.0, 5284.0, 5518.0, 5462.0, 5488.0, 5507.0, 5260.0, 5721.0, 5301.0, 5482.0, 5469.0, 5423.0, 5641.0, 5446.0, 5490.0, 5467.0, 5300.0, 5634.0, 5420.0, 5508.0, 5587.0, 5365.0, 5336.0, 5632.0, 5319.0, 5379.0, 5625.0, 5703.0, 5516.0 (number of hits: 7)
6	5500	9	1	333	1	5507.0, 5483.0, 5609.0, 5266.0, 5271.0, 5660.0, 5548.0, 5399.0, 5272.0, 5713.0, 5467.0, 5664.0, 5331.0, 5328.0, 5299.0, 5641.0, 5432.0, 5608.0, 5579.0, 5387.0, 5561.0, 5562.0, 5629.0, 5710.0, 5453.0, 5486.0, 5458.0, 5634.0, 5551.0, 5358.0, 5481.0, 5267.0, 5637.0, 5379.0, 5598.0, 5277.0, 5380.0, 5490.0, 5524.0, 5374.0, 5587.0, 5638.0, 5528.0, 5404.0, 5259.0, 5492.0, 5693.0, 5580.0, 5724.0, 5656.0, 5294.0, 5279.0, 5461.0, 5537.0, 5679.0, 5669.0, 5555.0, 5514.0, 5631.0, 5703.0, 5623.0, 5663.0, 5677.0, 5454.0, 5304.0, 5611.0, 5494.0, 5251.0, 5425.0, 5612.0,

						5563.0, 5469.0, 5654.0, 5381.0, 5470.0, 5400.0, 5522.0, 5501.0, 5665.0, 5471.0, 5615.0, 5559.0, 5455.0, 5493.0, 5592.0, 5588.0, 5392.0, 5712.0, 5372.0, 5702.0, 5334.0, 5285.0, 5655.0, 5306.0, 5667.0, 5440.0, 5444.0, 5482.0, 5316.0, 5473.0 (number of hits: 6)
7	5500	9	1	333	1	5594.0, 5329.0, 5402.0, 5604.0, 5393.0, 5526.0, 5357.0, 5628.0, 5682.0, 5634.0, 5656.0, 5661.0, 5420.0, 5431.0, 5372.0, 5327.0, 5373.0, 5314.0, 5552.0, 5423.0, 5640.0, 5397.0, 5655.0, 5470.0, 5305.0, 5279.0, 5657.0, 5498.0, 5645.0, 5291.0, 5267.0, 5525.0, 5510.0, 5434.0, 5446.0, 5334.0, 5631.0, 5511.0, 5691.0, 5296.0, 5380.0, 5647.0, 5589.0, 5648.0, 5292.0, 5337.0, 5346.0, 5518.0, 5451.0, 5515.0, 5359.0, 5683.0, 5546.0, 5286.0, 5409.0, 5520.0, 5485.0, 5299.0, 5527.0, 5368.0, 5545.0, 5684.0, 5324.0, 5384.0, 5375.0, 5469.0, 5481.0, 5550.0, 5487.0, 5568.0, 5440.0, 5351.0, 5356.0, 5429.0, 5564.0, 5325.0, 5626.0, 5471.0, 5484.0, 5394.0, 5537.0, 5538.0, 5540.0, 5323.0, 5708.0, 5651.0, 5522.0, 5369.0, 5348.0, 5288.0, 5354.0, 5432.0, 5506.0, 5607.0, 5699.0, 5273.0, 5667.0, 5358.0, 5566.0, 5303.0 (number of hits: 2)
8	5500	9	1	333	1	5504.0, 5440.0, 5570.0, 5610.0, 5366.0, 5581.0, 5551.0, 5280.0, 5598.0, 5430.0, 5517.0, 5535.0, 5471.0, 5671.0, 5372.0, 5702.0, 5426.0, 5485.0, 5362.0, 5421.0, 5437.0, 5254.0, 5697.0, 5714.0, 5364.0, 5602.0, 5684.0, 5537.0, 5443.0, 5542.0, 5577.0, 5340.0, 5645.0, 5331.0, 5316.0, 5692.0, 5644.0, 5513.0, 5693.0, 5377.0, 5435.0, 5631.0, 5492.0, 5647.0, 5574.0, 5349.0, 5685.0, 5300.0, 5438.0, 5583.0, 5510.0, 5629.0, 5288.0, 5638.0, 5708.0, 5617.0, 5642.0, 5562.0, 5606.0, 5534.0, 5467.0, 5412.0, 5427.0, 5563.0, 5260.0, 5453.0, 5308.0, 5675.0, 5389.0, 5496.0, 5722.0, 5326.0, 5616.0, 5592.0, 5418.0, 5715.0, 5633.0, 5518.0, 5486.0, 5619.0, 5549.0, 5556.0, 5434.0, 5273.0, 5707.0, 5328.0, 5297.0, 5651.0, 5350.0, 5701.0, 5593.0, 5662.0, 5515.0, 5442.0, 5624.0, 5568.0, 5259.0, 5399.0, 5292.0, 5582.0 (number of hits: 3)
9	5500	9	1	333	1	5269.0, 5338.0, 5621.0, 5495.0, 5492.0, 5430.0, 5560.0, 5399.0, 5450.0, 5438.0, 5507.0, 5541.0, 5530.0, 5601.0, 5326.0, 5350.0, 5704.0, 5268.0, 5445.0, 5261.0, 5306.0, 5498.0, 5506.0, 5673.0, 5405.0, 5692.0, 5528.0, 5592.0, 5290.0, 5683.0, 5462.0, 5535.0, 5647.0, 5389.0, 5531.0, 5721.0, 5648.0, 5392.0, 5607.0, 5431.0, 5668.0, 5408.0, 5403.0, 5627.0, 5485.0, 5545.0, 5511.0, 5420.0, 5466.0, 5275.0, 5539.0, 5258.0, 5680.0, 5383.0, 5628.0, 5659.0, 5705.0, 5253.0, 5500.0, 5571.0, 5417.0, 5651.0, 5587.0, 5532.0, 5714.0,

						5432.0, 5441.0, 5385.0, 5655.0, 5661.0, 5707.0, 5490.0, 5646.0, 5713.0, 5313.0, 5376.0, 5665.0, 5442.0, 5377.0, 5583.0, 5362.0, 5650.0, 5638.0, 5558.0, 5264.0, 5686.0, 5470.0, 5518.0, 5645.0, 5677.0, 5312.0, 5251.0, 5422.0, 5595.0, 5537.0, 5322.0, 5519.0, 5421.0, 5364.0, 5402.0 (number of hits: 7)
10	5500	9	1	333	1	5503.0, 5383.0, 5396.0, 5616.0, 5632.0, 5525.0, 5662.0, 5353.0, 5305.0, 5309.0, 5613.0, 5466.0, 5440.0, 5384.0, 5430.0, 5697.0, 5386.0, 5666.0, 5611.0, 5721.0, 5366.0, 5479.0, 5465.0, 5446.0, 5496.0, 5624.0, 5718.0, 5551.0, 5275.0, 5254.0, 5505.0, 5668.0, 5453.0, 5594.0, 5539.0, 5716.0, 5524.0, 5561.0, 5298.0, 5252.0, 5602.0, 5562.0, 5663.0, 5549.0, 5367.0, 5592.0, 5257.0, 5377.0, 5545.0, 5515.0, 5324.0, 5389.0, 5376.0, 5609.0, 5432.0, 5417.0, 5345.0, 5626.0, 5706.0, 5328.0, 5428.0, 5693.0, 5409.0, 5431.0, 5640.0, 5288.0, 5568.0, 5387.0, 5498.0, 5355.0, 5322.0, 5708.0, 5300.0, 5540.0, 5517.0, 5593.0, 5638.0, 5378.0, 5380.0, 5698.0, 5318.0, 5511.0, 5401.0, 5330.0, 5290.0, 5610.0, 5650.0, 5723.0, 5426.0, 5476.0, 5365.0, 5588.0, 5504.0, 5336.0, 5571.0, 5442.0, 5294.0, 5575.0, 5495.0, 5402.0 (number of hits: 6)
11	5500	9	1	333	1	5523.0, 5291.0, 5391.0, 5599.0, 5503.0, 5489.0, 5473.0, 5441.0, 5560.0, 5496.0, 5501.0, 5393.0, 5303.0, 5256.0, 5594.0, 5404.0, 5365.0, 5677.0, 5472.0, 5268.0, 5312.0, 5585.0, 5509.0, 5445.0, 5646.0, 5658.0, 5422.0, 5321.0, 5355.0, 5377.0, 5484.0, 5611.0, 5655.0, 5407.0, 5534.0, 5620.0, 5319.0, 5722.0, 5558.0, 5253.0, 5267.0, 5530.0, 5510.0, 5563.0, 5352.0, 5518.0, 5470.0, 5651.0, 5662.0, 5261.0, 5588.0, 5504.0, 5715.0, 5336.0, 5287.0, 5376.0, 5701.0, 5424.0, 5562.0, 5495.0, 5544.0, 5353.0, 5712.0, 5277.0, 5435.0, 5669.0, 5723.0, 5665.0, 5644.0, 5405.0, 5254.0, 5378.0, 5548.0, 5375.0, 5609.0, 5592.0, 5621.0, 5653.0, 5531.0, 5299.0, 5297.0, 5610.0, 5468.0, 5521.0, 5513.0, 5386.0, 5640.0, 5369.0, 5598.0, 5345.0, 5474.0, 5719.0, 5706.0, 5643.0, 5593.0, 5398.0, 5673.0, 5525.0, 5612.0, 5308.0 (number of hits: 6)
12	5500	9	1	333	1	5505.0, 5346.0, 5448.0, 5647.0, 5662.0, 5542.0, 5522.0, 5698.0, 5273.0, 5428.0, 5415.0, 5671.0, 5387.0, 5585.0, 5323.0, 5270.0, 5254.0, 5540.0, 5384.0, 5574.0, 5661.0, 5673.0, 5285.0, 5426.0, 5327.0, 5597.0, 5716.0, 5584.0, 5385.0, 5516.0, 5251.0, 5581.0, 5518.0, 5613.0, 5442.0, 5297.0, 5470.0, 5541.0, 5333.0, 5276.0, 5278.0, 5389.0, 5655.0, 5656.0, 5287.0, 5496.0, 5265.0, 5640.0, 5624.0, 5568.0, 5463.0, 5595.0, 5484.0, 5578.0, 5257.0, 5404.0, 5557.0, 5562.0, 5380.0, 5388.0,

						5314.0, 5569.0, 5272.0, 5435.0, 5582.0, 5438.0, 5324.0, 5413.0, 5511.0, 5340.0, 5395.0, 5646.0, 5667.0, 5339.0, 5342.0, 5350.0, 5420.0, 5361.0, 5593.0, 5476.0, 5577.0, 5392.0, 5355.0, 5607.0, 5417.0, 5364.0, 5629.0, 5351.0, 5697.0, 5319.0, 5425.0, 5690.0, 5288.0, 5369.0, 5381.0, 5503.0, 5363.0, 5702.0, 5660.0, 5440.0 (number of hits: 3)
13	5500	9	1	333	1	5459.0, 5496.0, 5456.0, 5575.0, 5290.0, 5284.0, 5489.0, 5350.0, 5338.0, 5455.0, 5674.0, 5622.0, 5651.0, 5547.0, 5619.0, 5561.0, 5618.0, 5497.0, 5277.0, 5599.0, 5721.0, 5659.0, 5463.0, 5612.0, 5571.0, 5282.0, 5460.0, 5539.0, 5276.0, 5438.0, 5670.0, 5427.0, 5466.0, 5257.0, 5425.0, 5449.0, 5564.0, 5381.0, 5373.0, 5628.0, 5634.0, 5626.0, 5648.0, 5629.0, 5386.0, 5418.0, 5259.0, 5580.0, 5475.0, 5712.0, 5689.0, 5258.0, 5297.0, 5550.0, 5365.0, 5623.0, 5516.0, 5693.0, 5514.0, 5579.0, 5714.0, 5650.0, 5364.0, 5617.0, 5274.0, 5404.0, 5573.0, 5470.0, 5261.0, 5511.0, 5574.0, 5465.0, 5254.0, 5309.0, 5291.0, 5713.0, 5385.0, 5529.0, 5303.0, 5286.0, 5602.0, 5588.0, 5354.0, 5302.0, 5379.0, 5620.0, 5353.0, 5505.0, 5401.0, 5708.0, 5361.0, 5422.0, 5398.0, 5540.0, 5688.0, 5283.0, 5662.0, 5705.0, 5652.0, 5395.0 (number of hits: 3)
14	5500	9	1	333	1	5550.0, 5650.0, 5284.0, 5282.0, 5461.0, 5678.0, 5570.0, 5349.0, 5357.0, 5586.0, 5685.0, 5507.0, 5302.0, 5589.0, 5254.0, 5510.0, 5413.0, 5639.0, 5456.0, 5601.0, 5272.0, 5336.0, 5360.0, 5516.0, 5303.0, 5708.0, 5420.0, 5295.0, 5443.0, 5504.0, 5383.0, 5494.0, 5596.0, 5264.0, 5304.0, 5382.0, 5387.0, 5505.0, 5548.0, 5590.0, 5705.0, 5627.0, 5453.0, 5322.0, 5491.0, 5362.0, 5278.0, 5480.0, 5713.0, 5396.0, 5637.0, 5380.0, 5588.0, 5561.0, 5488.0, 5391.0, 5694.0, 5640.0, 5338.0, 5441.0, 5706.0, 5291.0, 5313.0, 5463.0, 5681.0, 5286.0, 5493.0, 5718.0, 5475.0, 5622.0, 5405.0, 5509.0, 5406.0, 5631.0, 5642.0, 5569.0, 5267.0, 5442.0, 5603.0, 5547.0, 5608.0, 5428.0, 5700.0, 5455.0, 5325.0, 5398.0, 5647.0, 5425.0, 5416.0, 5542.0, 5537.0, 5633.0, 5486.0, 5260.0, 5699.0, 5707.0, 5549.0, 5432.0, 5662.0, 5440.0 (number of hits: 7)
15	5500	9	1	333	1	5296.0, 5516.0, 5303.0, 5353.0, 5458.0, 5254.0, 5598.0, 5298.0, 5301.0, 5686.0, 5473.0, 5614.0, 5404.0, 5655.0, 5635.0, 5595.0, 5286.0, 5691.0, 5706.0, 5400.0, 5428.0, 5403.0, 5550.0, 5467.0, 5305.0, 5610.0, 5650.0, 5499.0, 5579.0, 5521.0, 5470.0, 5414.0, 5670.0, 5708.0, 5297.0, 5273.0, 5436.0, 5275.0, 5366.0, 5673.0, 5255.0, 5626.0, 5314.0, 5392.0, 5468.0, 5327.0, 5542.0, 5415.0, 5453.0, 5515.0, 5553.0, 5285.0, 5284.0, 5426.0, 5364.0,

						5447.0, 5658.0, 5349.0, 5386.0, 5435.0, 5281.0, 5682.0, 5421.0, 5546.0, 5372.0, 5661.0, 5282.0, 5577.0, 5562.0, 5522.0, 5552.0, 5529.0, 5679.0, 5487.0, 5251.0, 5395.0, 5541.0, 5397.0, 5267.0, 5252.0, 5599.0, 5593.0, 5592.0, 5427.0, 5418.0, 5413.0, 5339.0, 5307.0, 5455.0, 5568.0, 5648.0, 5633.0, 5687.0, 5361.0, 5348.0, 5274.0, 5374.0, 5594.0, 5300.0, 5696.0 (number of hits: 1)
16	5500	9	1	333	1	5551.0, 5281.0, 5384.0, 5574.0, 5410.0, 5719.0, 5488.0, 5711.0, 5467.0, 5596.0, 5453.0, 5687.0, 5372.0, 5704.0, 5562.0, 5350.0, 5460.0, 5581.0, 5434.0, 5310.0, 5493.0, 5520.0, 5506.0, 5631.0, 5405.0, 5645.0, 5550.0, 5527.0, 5524.0, 5387.0, 5531.0, 5697.0, 5413.0, 5312.0, 5276.0, 5277.0, 5583.0, 5534.0, 5258.0, 5700.0, 5692.0, 5402.0, 5575.0, 5497.0, 5399.0, 5552.0, 5633.0, 5365.0, 5470.0, 5427.0, 5693.0, 5337.0, 5355.0, 5636.0, 5328.0, 5342.0, 5508.0, 5344.0, 5592.0, 5565.0, 5594.0, 5566.0, 5367.0, 5521.0, 5335.0, 5325.0, 5604.0, 5475.0, 5264.0, 5639.0, 5252.0, 5567.0, 5515.0, 5254.0, 5259.0, 5598.0, 5297.0, 5716.0, 5721.0, 5318.0, 5452.0, 5495.0, 5675.0, 5587.0, 5283.0, 5340.0, 5627.0, 5624.0, 5553.0, 5532.0, 5576.0, 5275.0, 5608.0, 5529.0, 5610.0, 5702.0, 5684.0, 5377.0, 5696.0, 5699.0 (number of hits: 5)
17	5500	9	1	333	1	5334.0, 5325.0, 5394.0, 5509.0, 5603.0, 5496.0, 5279.0, 5388.0, 5526.0, 5518.0, 5681.0, 5424.0, 5434.0, 5687.0, 5342.0, 5562.0, 5407.0, 5591.0, 5656.0, 5419.0, 5580.0, 5310.0, 5470.0, 5668.0, 5432.0, 5428.0, 5649.0, 5570.0, 5397.0, 5340.0, 5638.0, 5536.0, 5667.0, 5530.0, 5690.0, 5545.0, 5355.0, 5436.0, 5627.0, 5313.0, 5497.0, 5316.0, 5412.0, 5320.0, 5314.0, 5516.0, 5318.0, 5471.0, 5612.0, 5421.0, 5485.0, 5474.0, 5344.0, 5531.0, 5680.0, 5577.0, 5308.0, 5359.0, 5345.0, 5589.0, 5458.0, 5550.0, 5702.0, 5480.0, 5398.0, 5651.0, 5351.0, 5676.0, 5453.0, 5262.0, 5356.0, 5708.0, 5276.0, 5289.0, 5413.0, 5475.0, 5260.0, 5529.0, 5597.0, 5449.0, 5515.0, 5467.0, 5670.0, 5357.0, 5366.0, 5393.0, 5699.0, 5440.0, 5519.0, 5271.0, 5354.0, 5433.0, 5697.0, 5549.0, 5674.0, 5459.0, 5400.0, 5454.0, 5270.0, 5693.0 (number of hits: 3)
18	5500	9	1	333	1	5656.0, 5491.0, 5673.0, 5698.0, 5369.0, 5270.0, 5409.0, 5620.0, 5378.0, 5629.0, 5590.0, 5286.0, 5292.0, 5724.0, 5722.0, 5655.0, 5483.0, 5623.0, 5450.0, 5384.0, 5560.0, 5316.0, 5536.0, 5424.0, 5575.0, 5303.0, 5628.0, 5552.0, 5327.0, 5439.0, 5324.0, 5612.0, 5388.0, 5446.0, 5676.0, 5510.0, 5342.0, 5515.0, 5709.0, 5435.0, 5413.0, 5665.0, 5551.0, 5254.0, 5434.0, 5257.0, 5287.0, 5682.0, 5486.0, 5652.0,

						5646.0, 5614.0, 5503.0, 5432.0, 5559.0, 5660.0, 5285.0, 5466.0, 5625.0, 5634.0, 5582.0, 5651.0, 5595.0, 5640.0, 5563.0, 5381.0, 5344.0, 5553.0, 5686.0, 5318.0, 5570.0, 5465.0, 5683.0, 5527.0, 5670.0, 5315.0, 5605.0, 5346.0, 5401.0, 5436.0, 5256.0, 5721.0, 5351.0, 5417.0, 5519.0, 5549.0, 5386.0, 5484.0, 5714.0, 5380.0, 5601.0, 5693.0, 5697.0, 5355.0, 5392.0, 5667.0, 5529.0, 5615.0, 5556.0, 5647.0 (number of hits: 2)
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20	5500	9	1	333	1	5417.0, 5315.0, 5435.0, 5719.0, 5492.0, 5252.0, 5473.0, 5363.0, 5365.0, 5550.0, 5259.0, 5706.0, 5353.0, 5288.0, 5711.0, 5568.0, 5254.0, 5320.0, 5400.0, 5666.0, 5343.0, 5371.0, 5565.0, 5620.0, 5427.0, 5680.0, 5270.0, 5386.0, 5284.0, 5639.0, 5629.0, 5616.0, 5692.0, 5392.0, 5372.0, 5638.0, 5516.0, 5351.0, 5509.0, 5321.0, 5292.0, 5282.0, 5642.0, 5451.0, 5647.0, 5360.0, 5630.0, 5536.0, 5368.0, 5688.0, 5643.0, 5470.0, 5670.0, 5612.0, 5599.0, 5430.0, 5664.0, 5583.0, 5584.0, 5604.0, 5490.0, 5309.0, 5280.0, 5327.0, 5312.0, 5399.0, 5496.0, 5332.0, 5456.0, 5627.0, 5557.0, 5503.0, 5298.0, 5459.0, 5611.0, 5416.0, 5436.0, 5485.0, 5352.0, 5712.0, 5477.0, 5466.0, 5349.0, 5543.0, 5449.0, 5683.0, 5511.0, 5328.0, 5322.0, 5335.0, 5452.0, 5648.0, 5505.0, 5645.0, 5308.0, 5434.0, 5527.0, 5391.0, 5299.0, 5305.0 (number of hits: 6)
21	5500	9	1	333	1	5457.0, 5663.0, 5644.0, 5413.0, 5497.0, 5414.0, 5449.0, 5719.0, 5552.0, 5318.0, 5629.0, 5452.0, 5453.0, 5654.0, 5341.0, 5693.0, 5338.0, 5295.0, 5451.0, 5622.0, 5423.0, 5665.0, 5616.0, 5329.0, 5340.0, 5421.0, 5283.0, 5463.0, 5519.0, 5390.0, 5640.0, 5441.0, 5280.0, 5271.0, 5541.0, 5294.0, 5613.0, 5382.0, 5713.0, 5705.0, 5325.0, 5641.0, 5260.0, 5707.0, 5521.0,

						5703.0, 5668.0, 5721.0, 5595.0, 5601.0, 5296.0, 5638.0, 5542.0, 5403.0, 5547.0, 5522.0, 5455.0, 5546.0, 5657.0, 5626.0, 5637.0, 5386.0, 5583.0, 5484.0, 5660.0, 5284.0, 5289.0, 5262.0, 5407.0, 5672.0, 5653.0, 5612.0, 5576.0, 5661.0, 5608.0, 5394.0, 5253.0, 5588.0, 5388.0, 5555.0, 5533.0, 5442.0, 5308.0, 5517.0, 5434.0, 5551.0, 5468.0, 5458.0, 5411.0, 5278.0, 5356.0, 5313.0, 5270.0, 5605.0, 5320.0, 5285.0, 5485.0, 5550.0, 5609.0, 5488.0 (number of hits: 1)
22	5500	9	1	333	1	5603.0, 5411.0, 5449.0, 5278.0, 5259.0, 5610.0, 5511.0, 5620.0, 5369.0, 5450.0, 5459.0, 5630.0, 5480.0, 5448.0, 5271.0, 5497.0, 5543.0, 5304.0, 5577.0, 5582.0, 5406.0, 5570.0, 5607.0, 5664.0, 5596.0, 5722.0, 5466.0, 5465.0, 5293.0, 5417.0, 5716.0, 5306.0, 5701.0, 5385.0, 5703.0, 5690.0, 5367.0, 5585.0, 5671.0, 5287.0, 5668.0, 5360.0, 5614.0, 5313.0, 5456.0, 5641.0, 5528.0, 5403.0, 5504.0, 5447.0, 5573.0, 5595.0, 5592.0, 5633.0, 5410.0, 5655.0, 5609.0, 5325.0, 5676.0, 5264.0, 5435.0, 5392.0, 5479.0, 5394.0, 5467.0, 5666.0, 5455.0, 5717.0, 5384.0, 5274.0, 5526.0, 5388.0, 5261.0, 5600.0, 5616.0, 5473.0, 5355.0, 5606.0, 5669.0, 5300.0, 5624.0, 5670.0, 5572.0, 5425.0, 5702.0, 5679.0, 5402.0, 5549.0, 5556.0, 5494.0, 5251.0, 5272.0, 5305.0, 5339.0, 5334.0, 5593.0, 5696.0, 5399.0, 5505.0, 5709.0 (number of hits: 4)
23	5500	9	1	333	1	5700.0, 5492.0, 5285.0, 5484.0, 5716.0, 5466.0, 5404.0, 5586.0, 5406.0, 5598.0, 5581.0, 5344.0, 5398.0, 5685.0, 5269.0, 5513.0, 5263.0, 5580.0, 5541.0, 5536.0, 5306.0, 5495.0, 5363.0, 5707.0, 5467.0, 5501.0, 5292.0, 5421.0, 5671.0, 5500.0, 5723.0, 5318.0, 5448.0, 5609.0, 5594.0, 5256.0, 5307.0, 5505.0, 5313.0, 5612.0, 5442.0, 5309.0, 5432.0, 5301.0, 5387.0, 5402.0, 5390.0, 5698.0, 5414.0, 5712.0, 5473.0, 5252.0, 5297.0, 5618.0, 5528.0, 5615.0, 5468.0, 5274.0, 5622.0, 5568.0, 5303.0, 5400.0, 5556.0, 5558.0, 5461.0, 5679.0, 5545.0, 5308.0, 5600.0, 5656.0, 5524.0, 5271.0, 5689.0, 5654.0, 5300.0, 5364.0, 5451.0, 5577.0, 5582.0, 5653.0, 5486.0, 5642.0, 5630.0, 5624.0, 5706.0, 5674.0, 5551.0, 5632.0, 5720.0, 5595.0, 5563.0, 5454.0, 5517.0, 5326.0, 5640.0, 5415.0, 5559.0, 5483.0, 5284.0, 5646.0 (number of hits: 5)
24	5500	9	1	333	1	5520.0, 5356.0, 5471.0, 5262.0, 5399.0, 5398.0, 5495.0, 5425.0, 5696.0, 5653.0, 5646.0, 5685.0, 5256.0, 5654.0, 5454.0, 5580.0, 5272.0, 5444.0, 5326.0, 5628.0, 5600.0, 5435.0, 5271.0, 5527.0, 5552.0, 5607.0, 5579.0, 5373.0, 5604.0, 5612.0, 5296.0, 5613.0, 5632.0, 5407.0, 5615.0, 5340.0, 5539.0, 5320.0, 5670.0, 5484.0,

						5485.0, 5665.0, 5404.0, 5647.0, 5679.0, 5319.0, 5681.0, 5482.0, 5250.0, 5549.0, 5437.0, 5358.0, 5354.0, 5692.0, 5403.0, 5585.0, 5346.0, 5306.0, 5379.0, 5279.0, 5610.0, 5716.0, 5637.0, 5337.0, 5447.0, 5715.0, 5496.0, 5559.0, 5458.0, 5536.0, 5372.0, 5301.0, 5660.0, 5568.0, 5428.0, 5474.0, 5636.0, 5314.0, 5360.0, 5382.0, 5487.0, 5451.0, 5436.0, 5419.0, 5503.0, 5260.0, 5278.0, 5669.0, 5410.0, 5421.0, 5462.0, 5397.0, 5603.0, 5381.0, 5291.0, 5542.0, 5710.0, 5652.0, 5457.0, 5252.0 (number of hits: 3)
25	5500	9	1	333	1	5621.0, 5289.0, 5440.0, 5369.0, 5618.0, 5421.0, 5338.0, 5720.0, 5588.0, 5305.0, 5332.0, 5595.0, 5653.0, 5590.0, 5267.0, 5250.0, 5703.0, 5265.0, 5304.0, 5681.0, 5719.0, 5632.0, 5652.0, 5343.0, 5531.0, 5606.0, 5399.0, 5541.0, 5321.0, 5662.0, 5533.0, 5389.0, 5263.0, 5626.0, 5482.0, 5567.0, 5407.0, 5489.0, 5701.0, 5600.0, 5698.0, 5376.0, 5445.0, 5465.0, 5577.0, 5543.0, 5290.0, 5679.0, 5702.0, 5687.0, 5255.0, 5717.0, 5563.0, 5504.0, 5281.0, 5275.0, 5310.0, 5537.0, 5569.0, 5496.0, 5667.0, 5283.0, 5668.0, 5374.0, 5508.0, 5368.0, 5452.0, 5683.0, 5314.0, 5375.0, 5412.0, 5611.0, 5695.0, 5624.0, 5349.0, 5495.0, 5706.0, 5628.0, 5438.0, 5317.0, 5270.0, 5673.0, 5319.0, 5649.0, 5464.0, 5487.0, 5602.0, 5260.0, 5623.0, 5327.0, 5501.0, 5507.0, 5678.0, 5272.0, 5257.0, 5414.0, 5648.0, 5707.0, 5308.0, 5643.0 (number of hits: 6)
26	5500	9	1	333	1	5469.0, 5310.0, 5436.0, 5722.0, 5503.0, 5701.0, 5695.0, 5513.0, 5595.0, 5576.0, 5502.0, 5391.0, 5570.0, 5299.0, 5486.0, 5547.0, 5566.0, 5482.0, 5521.0, 5390.0, 5509.0, 5545.0, 5350.0, 5696.0, 5505.0, 5563.0, 5376.0, 5510.0, 5515.0, 5522.0, 5318.0, 5624.0, 5537.0, 5634.0, 5359.0, 5504.0, 5325.0, 5455.0, 5268.0, 5489.0, 5670.0, 5589.0, 5582.0, 5538.0, 5721.0, 5259.0, 5511.0, 5262.0, 5278.0, 5632.0, 5477.0, 5700.0, 5476.0, 5400.0, 5355.0, 5508.0, 5573.0, 5412.0, 5309.0, 5574.0, 5604.0, 5328.0, 5395.0, 5351.0, 5647.0, 5565.0, 5439.0, 5718.0, 5603.0, 5364.0, 5520.0, 5529.0, 5312.0, 5708.0, 5698.0, 5389.0, 5284.0, 5706.0, 5414.0, 5288.0, 5416.0, 5302.0, 5274.0, 5567.0, 5715.0, 5711.0, 5396.0, 5671.0, 5496.0, 5465.0, 5608.0, 5264.0, 5466.0, 5421.0, 5349.0, 5360.0, 5383.0, 5424.0, 5368.0, 5660.0 (number of hits: 7)
27	5500	9	1	333	1	5259.0, 5658.0, 5430.0, 5654.0, 5563.0, 5364.0, 5679.0, 5391.0, 5523.0, 5598.0, 5511.0, 5476.0, 5493.0, 5290.0, 5718.0, 5637.0, 5555.0, 5490.0, 5632.0, 5317.0, 5404.0, 5349.0, 5457.0, 5318.0, 5469.0, 5488.0, 5686.0, 5268.0, 5282.0, 5675.0, 5297.0, 5640.0, 5541.0, 5650.0, 5572.0,

						5711.0, 5425.0, 5620.0, 5643.0, 5641.0, 5671.0, 5382.0, 5663.0, 5256.0, 5525.0, 5656.0, 5373.0, 5706.0, 5357.0, 5543.0, 5508.0, 5526.0, 5629.0, 5561.0, 5708.0, 5432.0, 5275.0, 5618.0, 5263.0, 5323.0, 5615.0, 5365.0, 5449.0, 5444.0, 5406.0, 5532.0, 5514.0, 5660.0, 5366.0, 5552.0, 5621.0, 5538.0, 5336.0, 5448.0, 5354.0, 5389.0, 5569.0, 5463.0, 5674.0, 5420.0, 5321.0, 5456.0, 5573.0, 5329.0, 5433.0, 5528.0, 5698.0, 5651.0, 5661.0, 5270.0, 5565.0, 5369.0, 5376.0, 5512.0, 5554.0, 5546.0, 5424.0, 5472.0, 5416.0, 5662.0 (number of hits: 3)
28	5500	9	1	333	1	5255.0, 5446.0, 5689.0, 5318.0, 5630.0, 5590.0, 5502.0, 5704.0, 5490.0, 5656.0, 5332.0, 5591.0, 5404.0, 5268.0, 5373.0, 5378.0, 5612.0, 5408.0, 5562.0, 5484.0, 5503.0, 5671.0, 5670.0, 5582.0, 5621.0, 5351.0, 5342.0, 5662.0, 5564.0, 5622.0, 5649.0, 5567.0, 5417.0, 5624.0, 5695.0, 5479.0, 5682.0, 5593.0, 5508.0, 5353.0, 5631.0, 5629.0, 5543.0, 5606.0, 5472.0, 5706.0, 5483.0, 5338.0, 5452.0, 5613.0, 5398.0, 5375.0, 5599.0, 5395.0, 5481.0, 5303.0, 5276.0, 5588.0, 5371.0, 5568.0, 5557.0, 5673.0, 5405.0, 5580.0, 5433.0, 5352.0, 5453.0, 5709.0, 5354.0, 5534.0, 5401.0, 5552.0, 5253.0, 5335.0, 5668.0, 5413.0, 5716.0, 5397.0, 5547.0, 5431.0, 5445.0, 5299.0, 5512.0, 5537.0, 5428.0, 5379.0, 5320.0, 5469.0, 5518.0, 5254.0, 5589.0, 5364.0, 5289.0, 5657.0, 5346.0, 5603.0, 5361.0, 5321.0, 5678.0, 5295.0 (number of hits: 4)
29	5500	9	1	333	1	5554.0, 5421.0, 5633.0, 5534.0, 5455.0, 5426.0, 5292.0, 5348.0, 5700.0, 5604.0, 5338.0, 5397.0, 5396.0, 5618.0, 5283.0, 5667.0, 5704.0, 5524.0, 5527.0, 5375.0, 5441.0, 5653.0, 5299.0, 5580.0, 5722.0, 5540.0, 5619.0, 5566.0, 5599.0, 5344.0, 5320.0, 5646.0, 5616.0, 5427.0, 5555.0, 5687.0, 5672.0, 5276.0, 5436.0, 5547.0, 5621.0, 5250.0, 5382.0, 5567.0, 5371.0, 5589.0, 5435.0, 5272.0, 5634.0, 5559.0, 5370.0, 5510.0, 5678.0, 5463.0, 5715.0, 5708.0, 5407.0, 5423.0, 5362.0, 5571.0, 5513.0, 5701.0, 5252.0, 5661.0, 5308.0, 5413.0, 5716.0, 5352.0, 5477.0, 5312.0, 5553.0, 5629.0, 5674.0, 5295.0, 5644.0, 5681.0, 5495.0, 5638.0, 5538.0, 5542.0, 5690.0, 5617.0, 5402.0, 5449.0, 5468.0, 5364.0, 5274.0, 5473.0, 5498.0, 5691.0, 5340.0, 5293.0, 5287.0, 5515.0, 5445.0, 5446.0, 5563.0, 5392.0, 5359.0, 5521.0 (number of hits: 2)
30	5500	9	1	333	1	5321.0, 5262.0, 5269.0, 5622.0, 5598.0, 5642.0, 5278.0, 5605.0, 5722.0, 5636.0, 5518.0, 5378.0, 5327.0, 5273.0, 5588.0, 5535.0, 5491.0, 5291.0, 5272.0, 5493.0, 5559.0, 5697.0, 5683.0, 5452.0, 5388.0, 5652.0, 5497.0, 5399.0, 5593.0, 5331.0,

						5647.0, 5265.0, 5624.0, 5313.0, 5317.0, 5372.0, 5659.0, 5629.0, 5646.0, 5673.0, 5544.0, 5364.0, 5626.0, 5558.0, 5490.0, 5643.0, 5568.0, 5315.0, 5569.0, 5335.0, 5464.0, 5507.0, 5548.0, 5555.0, 5602.0, 5608.0, 5615.0, 5351.0, 5301.0, 5316.0, 5669.0, 5590.0, 5391.0, 5276.0, 5432.0, 5687.0, 5582.0, 5389.0, 5551.0, 5671.0, 5284.0, 5655.0, 5330.0, 5502.0, 5266.0, 5319.0, 5618.0, 5606.0, 5320.0, 5540.0, 5633.0, 5412.0, 5355.0, 5471.0, 5340.0, 5252.0, 5384.0, 5604.0, 5475.0, 5325.0, 5337.0, 5370.0, 5287.0, 5255.0, 5447.0, 5341.0, 5625.0, 5528.0, 5467.0, 5254.0 (number of hits: 6)

5 GHz Radio 1+ 5 GHz AUX

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	86.7 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	87.5%	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	68	1	778	1
2	5510	70	1	758	1
3	5510	74	1	718	1
4	5510	92	1	578	1
5	5510	57	1	938	1
6	5491	89	1	598	1
7	5491	102	1	518	1
8	5491	67	1	798	1
9	5491	62	1	858	1
10	5491	78	1	678	1
11	5529	81	1	658	1
12	5529	58	1	918	1
13	5529	72	1	738	1
14	5529	61	1	878	1
15	5529	63	1	838	1
16	5510	19	1	2863	1
17	5510	26	1	2063	1
18	5510	75	1	705	1
19	5510	25	1	2156	1
20	5510	28	1	1916	1
21	5491	25	1	2166	1
22	5491	19	1	2892	1
23	5491	28	1	1898	1
24	5491	29	1	1872	1
25	5491	29	1	1860	1
26	5529	19	1	2784	1
27	5529	18	1	3002	1
28	5529	49	1	1080	1
29	5529	19	1	2869	1
30	5529	21	1	2594	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	23	4.7	192	1
2	5510	25	1.1	201	1
3	5510	25	3.6	161	1
4	5510	28	4.8	161	1
5	5510	26	5	219	1
6	5510	29	2.9	204	1
7	5510	27	1.8	229	1
8	5510	25	2.8	203	1
9	5510	29	4.5	165	1
10	5510	29	4.8	151	1
11	5491	24	3.8	154	0
12	5491	28	1.2	229	1
13	5491	27	4.9	190	1
14	5491	29	3.2	174	1
15	5491	23	4.3	180	1
16	5491	23	1.2	193	0
17	5491	26	3.1	161	0
18	5491	23	4.7	162	1
19	5491	29	2.2	163	1
20	5491	24	2.4	199	1
21	5529	25	2.5	167	1
22	5529	25	2	163	1
23	5529	27	1.3	211	1
24	5529	28	2.3	184	1
25	5529	23	3.5	218	0
26	5529	24	1.7	218	1
27	5529	27	3.5	198	1
28	5529	29	4.3	163	1
29	5529	24	2.4	162	1
30	5529	29	1.1	194	1
Detection Percentage: 86.7 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	16	7.9	420	1
2	5510	16	7.5	240	1
3	5510	16	7.7	251	1
4	5510	16	6.3	387	0
5	5510	16	8.8	432	1
6	5510	18	8	252	1
7	5510	17	8.7	317	1
8	5510	17	8.3	263	1
9	5510	16	9.6	403	1
10	5510	16	7.3	351	1
11	5491	17	6.8	408	1
12	5491	18	8.1	500	1
13	5491	18	9.9	225	1
14	5491	16	8	315	0
15	5491	16	8	415	1
16	5491	18	7.5	259	1
17	5491	16	9.6	340	0
18	5491	16	7.8	291	1
19	5491	17	7.6	349	1
20	5491	17	7.4	333	1
21	5529	17	6.9	433	1
22	5529	18	6.5	249	1
23	5529	17	6.1	308	1
24	5529	18	9.6	280	1
25	5529	17	7.5	387	1
26	5529	18	7.8	409	0
27	5529	18	7.3	395	1
28	5529	16	7.9	415	1
29	5529	18	7.3	369	1
30	5529	16	7.9	296	1
Detection Percentage: 86.7 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	13	14.4	479	1
2	5510	14	19.4	431	1
3	5510	16	13.4	445	0
4	5510	16	16.1	480	1
5	5510	15	14.5	240	1
6	5510	14	15.6	438	1
7	5510	15	18.6	218	0
8	5510	13	15.8	219	0
9	5510	16	16.9	313	1
10	5510	16	14.1	216	1
11	5491	13	11.7	271	1
12	5491	16	11.7	429	1
13	5491	13	13.2	219	0
14	5491	14	12.2	299	1
15	5491	12	13.5	256	1
16	5491	16	19.7	390	0
17	5491	16	14.4	247	1
18	5491	14	15.2	241	1
19	5491	16	18.2	476	1
20	5491	15	13	445	1
21	5529	14	15.4	390	1
22	5529	13	12	429	0
23	5529	14	11.6	402	1
24	5529	14	12.5	279	0
25	5529	15	18.4	257	1
26	5529	16	17.6	246	1
27	5529	16	13.9	481	1
28	5529	13	19.4	270	1
29	5529	13	19.9	375	1
30	5529	15	11.4	356	1
Detection Percentage: 76.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5493.8	1
12	5498.2	1
13	5497.0	1
14	5495.4	1
15	5494.2	1
16	5493.8	1
17	5494.2	1
18	5494.6	1
19	5498.2	1
20	5493.4	1
21	5524.2	1
22	5525.8	1
23	5525.0	1
24	5525.4	1
25	5522.6	1
26	5526.6	1
27	5526.2	1
28	5521.8	1
29	5525.0	1
30	5524.6	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	72.9			0.168531	1
1	1	14	62.8			1.680535	
2	1	14	67.3			3.451402	
3	1	14	72.1			4.380392	
4	1	14	89.2			5.016177	
5	1	14	72.3			6.750531	
6	2	14	58.8	1936		7.667405	
7	1	14	77			8.465462	
8	2	14	54.9	1682		10.18091	
9	1	14	75.2			11.876223	

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	14	75.9			0.696155	1
1	3	14	99.9	1044	1529	1.03285	
2	2	14	70.8	1502		1.698258	
3	2	14	57.8	1420		2.506741	
4	1	14	66.5			3.772944	
5	3	14	74.9	1473	1809	4.24122	
6	1	14	95.5			4.885009	
7	2	14	72.4	1867		5.725943	
8	3	14	92.6	1226	1867	6.503775	
9	2	14	70.9	1590		7.864695	
10	3	14	53.6	1566	1575	8.421589	
11	1	14	72.2			8.888102	
12	3	14	68.9	1573	1881	9.994426	
13	2	14	57.8	1964		11.06576	
14	2	14	81.8	1929		11.534157	

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	71.8			0.444293	1
1	1	14	86.9			1.141567	
2	2	14	64.5	1997		2.327231	
3	3	14	89	1298	1228	2.462991	
4	2	14	52.6	1737		3.524409	
5	2	14	50.9	1281		4.14175	
6	2	14	70.5	1089		5.212012	
7	1	14	52.6			6.326757	
8	2	14	77.2	1780		6.698203	
9	2	14	70.6	1585		7.322516	
10	2	14	72.7	1114		8.417248	
11	2	14	76.3	1449		9.440318	
12	3	14	77.8	1269	1437	10.12883	
13	3	14	71.5	1864	1376	10.90959	
14	3	14	84.5	1440	1282	11.400273	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	89.2	1496	1978	0.174194	
1	2	14	99.1	1712		0.738865	
2	2	14	78.9	1072		1.516054	
3	1	14	63.3			1.929973	
4	3	14	79.3	1724	1156	2.445141	
5	2	14	58.1	1970		3.153653	
6	2	14	85.7	1039		4.032439	
7	2	14	97.5	1464		4.782176	
8	1	14	88.9			5.234142	
9	2	14	84.2	1089		5.70833	1
10	3	14	77.5	1158	1623	6.546801	
11	3	14	95.9	1471	1605	6.735725	
12	3	14	66.3	1830	1428	7.561413	
13	3	14	62.4	1484	1877	8.359099	
14	2	14	64.1	1026		8.713444	
15	1	14	52.7			9.305667	
16	2	14	89.7	1178		9.798445	
17	2	14	64.7	1615		10.676067	
18	1	14	86			10.802567	

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	14	94.5	1685		0.56342	
1	2	14	55.4	1234		0.682904	
2	2	14	99.3	1723		1.833629	
3	2	14	75.2	1500		2.014584	
4	1	14	52.5			2.5276	
5	1	14	50.6			3.449576	
6	2	14	63.7	1966		4.318987	
7	2	14	93.5	1160		4.820822	
8	2	14	75	1956		5.394528	
9	3	14	96.9	1290	1852	6.029261	1
10	1	14	84.3			6.360927	
11	2	14	69.6	1973		7.230549	
12	2	14	63.8	1149		7.983016	
13	1	14	75.8			8.581	
14	2	14	50.1	1289		8.937239	
15	2	14	77.2	1647		9.495849	
16	2	14	88.2	1630		10.243199	
17	2	14	50	1980		10.986411	
18	1	14	84.1			11.666814	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	74.5			1.2516	
1	3	6	70.6	1429	1184	2.246067	
2	2	6	65.8	1738		3.792996	
3	3	6	95.9	1698	1017	5.095072	
4	2	6	84.7	1617		5.836665	1
5	2	6	73.3	1994		7.731254	
6	1	6	85			8.377819	
7	2	6	94.4	1195		9.389909	
8	2	6	55.9	1016		11.045487	

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	15	70.9	1356		0.491817	1
1	1	15	94.7			1.094212	
2	2	15	95.5	1842		1.452123	
3	2	15	85.5	1091		2.09033	
4	1	15	99.3			3.004008	
5	3	15	97.1	1626	1130	3.645233	
6	2	15	84.1	1637		4.020891	
7	3	15	64.1	1865	1721	4.7338	
8	3	15	70.9	1191	1378	5.377352	
9	1	15	100			6.029301	
10	1	15	87.8			7.324921	
11	2	15	84	1593		7.982169	
12	2	15	63.6	1964		8.570649	
13	3	15	94.3	1614	1555	8.695303	
14	2	15	97.6	1750		9.405143	
15	3	15	92.9	1845	1090	10.502335	
16	3	15	72.8	1224	1891	10.741312	
17	3	15	96	1388	1471	11.659526	

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	13	62.4	1605	1353	1.269449	1
1	2	13	98.5	1919		1.824738	
2	2	13	83.4	1624		3.835154	
3	1	13	64.7			4.269275	
4	2	13	62.1	1650		6.624681	
5	1	13	78.4			7.91083	
6	3	13	83.6	1505	1607	8.901787	
7	3	13	80.9	1443	1312	9.555933	
8	2	13	77.6	1570		11.758549	

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	66.1	1990	1782	0.694347	1
1	1	14	53.6			0.938674	
2	3	14	74.7	1576	1466	2.019746	
3	2	14	94.4	1625		2.661601	
4	1	14	69.6			3.548722	
5	2	14	90.2	1773		3.969956	
6	2	14	74.4	1221		4.949241	
7	1	14	75.8			5.871156	
8	1	14	66.3			6.74279	
9	2	14	81.2	1994		6.858346	
10	2	14	98.8	1187		7.77736	
11	1	14	93.7			8.644074	
12	2	14	56.5	1966		9.52065	
13	1	14	56.8			9.917365	
14	2	14	71.8	1244		10.715964	
15	1	14	85.7			11.577826	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	79.6	1437	1302	0.545354	1
1	1	9	72.6			1.400143	
2	2	9	53	1851		1.623839	
3	2	9	56.3	1749		2.614194	
4	1	9	58.7			2.920398	
5	1	9	60.3			4.146621	
6	2	9	89.8	1348		4.890586	
7	2	9	58.6	1400		5.469418	
8	2	9	62.2	1743		5.664292	
9	2	9	88.2	1499		6.635492	
10	2	9	69.9	1463		7.431054	
11	2	9	80.9	1842		8.294865	
12	1	9	65			9.162772	
13	2	9	64.7	1821		9.256452	
14	3	9	72	1999	1883	10.327611	
15	1	9	58			10.897798	
16	2	9	66.6	1795		11.580369	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	54.9			1.064622	1
1	3	7	71.4	1490	1045	2.005637	
2	2	7	72.8	1407		2.815107	
3	2	7	84.9	1043		3.92242	
4	1	7	77.9			5.75806	
5	1	7	96.6			6.852507	
6	3	7	58.5	1903	1801	7.554614	
7	1	7	75.2			9.199072	
8	2	7	51.7	1492		10.790181	
9	1	7	52.3			11.320418	

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	57	1688		0.75294	1
1	1	18	77.7			1.661434	
2	2	18	93.5	1478		3.086287	
3	2	18	91.7	1632		3.693461	
4	2	18	68.8	1258		4.867965	
5	1	18	74			6.143723	
6	2	18	82.5	1915		7.11765	
7	2	18	66.7	1316		8.107986	
8	3	18	69.8	1523	1446	9.102844	
9	3	18	94.9	1444	1160	10.737566	
10	1	18	66.7			11.220706	

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	82.2	1250		0.055274	1
1	1	15	86.3			0.795585	
2	3	15	61.4	1489	1939	1.228126	
3	2	15	65.5	1118		1.862779	
4	2	15	82.4	1490		2.717467	
5	1	15	62.5			3.575743	
6	1	15	86.6			3.705802	
7	1	15	90.7			4.447556	
8	2	15	74.9	1697		4.837389	
9	2	15	97	1824		5.572316	
10	2	15	94.4	1383		6.331446	
11	1	15	85.7			6.843961	
12	2	15	71	1923		7.619674	
13	2	15	70.5	1571		7.847482	
14	2	15	85.5	1613		8.93219	
15	2	15	69.4	1765		9.077222	
16	3	15	74.4	1586	1462	9.669011	
17	2	15	84.3	1709		10.471476	
18	2	15	83.4	1381		11.343617	
19	2	15	55.7	1886		11.497541	

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	11	92.3	1618	1430	0.549295	
1	2	11	52.1	1514		1.131269	
2	2	11	64.1	1661		2.061902	
3	2	11	99.3	1521		2.127502	
4	2	11	98.1	1923		3.086184	
5	2	11	59.9	1015		4.191414	
6	3	11	55.1	1160	1405	4.569735	
7	3	11	100	1663	1155	5.195155	
8	3	11	81.3	1028	1174	6.066809	1
9	2	11	62.2	1751		6.939902	
10	2	11	89.1	1846		7.326064	
11	2	11	85.3	1107		8.2525	
12	2	11	59.6	1266		9.091571	
13	3	11	75.1	1416	1889	9.692833	
14	1	11	97.6			10.415855	
15	1	11	70			11.083747	
16	1	11	52.3			11.809931	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	59.7	1344		0.048669	
1	2	8	73.8	1720		1.106033	
2	1	8	83.9			2.580951	
3	3	8	53.3	1177	1051	3.035704	
4	3	8	94.7	1334	1442	3.817196	
5	1	8	73.4			4.72444	
6	2	8	94.6	1505		6.098024	1
7	3	8	61.1	1219	1140	6.500832	
8	2	8	94.5	1567		7.607622	
9	1	8	58.1			8.980584	
10	3	8	94.2	1782	1850	9.549713	
11	2	8	94.1	1590		10.454247	
12	3	8	73.7	1145	1193	11.455142	

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	7	60.4	1488	1862	0.329279	
1	2	7	76.5	1442		0.825829	
2	2	7	64.7	1192		1.98995	
3	2	7	74.9	1737		2.081744	
4	2	7	95.1	1341		3.265137	
5	1	7	53			3.399849	
6	3	7	95.5	1618	1714	4.54455	
7	2	7	91.3	1826		5.261344	
8	2	7	96.2	1826		5.853526	
9	1	7	69.1			6.527985	1
10	2	7	63.6	1934		7.281884	
11	3	7	76.4	1762	1082	7.667048	
12	2	7	55.6	1981		8.563585	
13	1	7	73.3			8.842969	
14	1	7	86			9.65496	
15	2	7	63.3	1928		10.198254	
16	2	7	76.3	1605		10.716705	
17	3	7	96.7	1039	1665	11.480092	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	71.1	1668		0.446738	
1	1	8	56.1			0.812303	
2	2	8	58.9	1988		1.652542	
3	2	8	70.4	1720		2.21475	
4	2	8	95.1	1784		2.959555	
5	2	8	96	1626		3.676722	
6	3	8	85.1	1092	1100	4.080462	
7	2	8	91.8	1227		4.494859	
8	3	8	64	1585	1625	5.25391	
9	2	8	96.2	1382		6.165072	1
10	2	8	59.9	1989		6.885958	
11	2	8	83.8	1359		6.970909	
12	1	8	99.3			7.707276	
13	2	8	64.3	1951		8.62224	
14	2	8	95	1235		9.423162	
15	2	8	65.6	1208		9.498321	
16	2	8	61.6	1826		10.467472	
17	2	8	68.1	1939		10.764679	
18	3	8	94.2	1361	1181	11.982974	

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	9	68.5	1515	1236	0.766292	
1	1	9	99.3			1.117017	
2	3	9	69.4	1482	1499	2.022626	
3	1	9	50.7			3.182207	
4	2	9	54.9	1415		4.563389	
5	2	9	83.4	1938		5.206764	
6	2	9	67.7	1514		5.888914	1
7	2	9	79	1679		7.066655	
8	2	9	52.6	1104		8.287644	
9	1	9	89.7			8.780745	
10	3	9	51.8	1238	1147	9.904571	
11	2	9	99.8	1409		10.533506	
12	2	9	97.4	1536		11.291312	

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	81.5	1169		0.331238	1
1	1	18	54.4			1.465024	
2	2	18	89.1	1803		3.028843	
3	1	18	75.6			4.765938	
4	1	18	90.6			6.190059	
5	2	18	87	1456		7.026121	
6	1	18	57.2			8.44388	
7	2	18	74.3	1737		10.297111	
8	2	18	67.8	1518		10.719594	

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	6	52.3			0.231136	1
1	2	6	77.5	1659		1.041708	
2	3	6	76.2	1018	1467	1.455342	
3	3	6	76.7	1216	1021	2.495694	
4	2	6	91.9	1833		3.060018	
5	3	6	81.4	1303	1099	3.682456	
6	2	6	60	1146		4.217983	
7	2	6	61.5	1707		4.698186	
8	2	6	50.1	1330		5.719546	
9	2	6	73.9	1708		6.468303	
10	2	6	91.6	1440		6.670731	
11	3	6	93.9	1376	1043	7.355269	
12	2	6	56.7	1117		8.22421	
13	1	6	82.1			8.874981	
14	3	6	92.3	1600	1048	9.443228	
15	1	6	87.5			10.314722	
16	3	6	65.9	1509	1454	11.208337	
17	2	6	83.6	1671		11.602001	

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	99.2	1188		0.135732	1
1	1	12	90.2			1.234421	
2	1	12	96.9			1.91192	
3	2	12	96.3	1465		2.919779	
4	1	12	88.4			3.596138	
5	2	12	56.9	1002		4.481706	
6	2	12	67.6	1816		5.375356	
7	2	12	60.2	1194		6.510448	
8	2	12	94.2	1853		7.33104	
9	2	12	61.3	1175		8.148279	
10	3	12	64.2	1686	1785	8.843473	
11	3	12	87.9	1441	1318	9.620218	
12	1	12	61.3			11.093952	
13	1	12	98.2			11.550724	

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	87.5	1179		0.521134	0
1	2	8	61.6	1905		0.819486	
2	1	8	87.7			1.832373	
3	2	8	92.4	1410		1.986093	
4	3	8	88.2	1203	1745	3.039354	
5	2	8	78	1734		3.257559	
6	1	8	88.2			4.161414	
7	3	8	69.5	1534	1337	5.041306	
8	2	8	67.5	1963		5.317107	
9	2	8	96.5	1532		5.757314	
10	2	8	98.4	1898		6.409695	
11	2	8	50.6	1913		7.203534	
12	2	8	53.9	1592		8.036117	
13	2	8	77.6	1508		8.278404	
14	2	8	57.3	1616		8.856	
15	3	8	58	1480	1053	9.91964	
16	1	8	77.9			10.597086	
17	3	8	85.1	1596	1339	11.127361	
18	1	8	72.9			11.804079	

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	10	96			0.116561	
1	3	10	92.9	1444	1535	1.410921	
2	3	10	65.9	1060	1255	1.778674	
3	3	10	74.3	1962	1818	2.75402	
4	1	10	66.9			3.425848	
5	3	10	98.7	1636	1084	4.627425	
6	3	10	87.6	1440	1354	4.805024	
7	3	10	88.7	1358	1531	5.626543	1
8	2	10	50.5	1686		6.640114	
9	2	10	75.2	1868		7.48375	
10	2	10	78.7	1467		8.703529	
11	2	10	55.6	1391		9.348844	
12	2	10	88.8	1403		10.295285	
13	2	10	90.1	1080		10.779727	
14	1	10	88.5			11.461978	

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	9	60.5	1682		0.702443	
1	1	9	65.3			1.812876	
2	2	9	77.6	1915		3.394387	
3	2	9	66.7	1087		4.27082	
4	1	9	79.4			5.363252	
5	3	9	66.2	1360	1238	6.069109	1
6	3	9	51.3	1076	1074	7.277913	
7	3	9	83.9	1454	1110	9.337055	
8	2	9	71.5	1995		9.670615	
9	2	9	70.3	1554		10.833261	

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	62.8			0.146545	1
1	3	16	68.4	1935	1442	0.859613	
2	2	16	72.3	1892		1.689323	
3	2	16	96.2	1827		2.362106	
4	2	16	55.2	1560		2.406332	
5	2	16	72.9	1490		3.164222	
6	3	16	86.9	1985	1204	3.685081	
7	3	16	66.1	1322	1898	4.719056	
8	1	16	85.8			5.164649	
9	3	16	91.8	1572	1683	5.864084	
10	3	16	84.9	1111	1641	6.224752	
11	2	16	89.4	1948		7.050896	
12	2	16	85.9	1049		7.491491	
13	2	16	96.9	1442		8.099048	
14	3	16	94.2	1247	1739	8.670185	
15	1	16	78			9.181227	
16	2	16	79.2	1813		10.105874	
17	2	16	91.1	1853		10.670768	
18	2	16	80.9	1308		10.979926	
19	1	16	72.1			11.571832	

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	6	67.4	1751		0.601946	1
1	3	6	60.7	1368	1958	2.259187	
2	1	6	75.6			2.644929	
3	2	6	98.4	1555		3.99543	
4	1	6	74.7			5.733649	
5	1	6	54.5			7.184489	
6	3	6	58.5	1976	1604	7.795615	
7	3	6	90.1	1149	1693	8.771882	
8	3	6	91.1	1140	1137	10.263619	
9	3	6	72.1	1388	1409	11.496376	

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	7	62.7	1707		0.516847	1
1	1	7	93.5			1.136264	
2	3	7	60.9	1873	1058	1.779661	
3	3	7	98.7	1186	1767	2.265119	
4	2	7	55.3	1204		3.448762	
5	3	7	58.2	1738	1089	4.080411	
6	1	7	56.1			4.898875	
7	2	7	61.8	1107		5.487658	
8	2	7	77.2	1333		6.100569	
9	2	7	90.4	1255		7.156	
10	2	7	66.7	1403		8.125028	
11	2	7	94.5	1271		8.35634	
12	2	7	94.3	1043		9.05018	
13	1	7	70.3			10.132248	
14	1	7	83.2			10.720408	
15	2	7	79.7	1144		11.662506	

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	63.8	1619		0.648032	1
1	1	18	91.9			0.782781	
2	2	18	96.1	1779		1.944572	
3	2	18	99.6	1032		2.372458	
4	3	18	78.7	1643	1870	3.058815	
5	2	18	78.7	1039		4.450887	
6	2	18	59.5	1331		5.115486	
7	3	18	86.9	1625	1967	5.497847	
8	1	18	91.1			6.682862	
9	3	18	56.6	1695	1505	7.255594	
10	2	18	75.2	1241		7.510508	
11	1	18	89.5			8.25215	
12	2	18	51	1875		9.532996	
13	3	18	92.7	1378	1723	10.418661	
14	1	18	84.2			11.14292	
15	2	18	79.6	1647		11.587289	

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	56.3	1615		0.226169	1
1	1	10	73.5			0.922244	
2	2	10	81.4	1688		1.233157	
3	2	10	65.6	1947		1.939174	
4	2	10	93.2	1042		2.742788	
5	2	10	83.2	1910		3.483441	
6	1	10	80.7			4.189391	
7	2	10	95.7	1461		4.377096	
8	2	10	50.8	1563		4.93968	
9	3	10	51.1	1190	1607	5.886158	
10	2	10	77.7	1494		6.353726	
11	3	10	98.3	1334	1691	6.786413	
12	2	10	60.6	1934		7.776969	
13	2	10	84.2	1526		7.916171	
14	1	10	52.6			8.620014	
15	2	10	70	1523		9.445183	
16	2	10	86.5	1106		9.926379	
17	3	10	77.8	1058	1245	10.509321	
18	3	10	73.6	1863	1446	11.165147	
19	2	10	50.2	1870		11.802093	

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	11	53.4			0.520012	
1	1	11	56.6			1.08402	
2	2	11	83.6	1487		1.644769	
3	1	11	54.6			1.971637	
4	3	11	75.9	1536	1515	2.646792	
5	3	11	62.7	1911	1787	3.675565	
6	1	11	67.3			4.403745	
7	2	11	82.8	1397		4.523505	
8	2	11	53.3	1756		5.39438	
9	2	11	70.6	1636		6.301986	1
10	2	11	69.1	1270		6.513549	
11	2	11	93.8	1403		7.393568	
12	2	11	89.7	1224		7.835021	
13	2	11	71	1644		8.627084	
14	2	11	86.9	1709		9.019897	
15	2	11	84.5	1278		9.569667	
16	2	11	53.8	1539		10.59435	
17	2	11	97.5	1579		10.778879	
18	3	11	77.2	1960	1975	11.527716	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510	9	1	333	1	5337.0, 5497.0, 5315.0, 5537.0, 5718.0, 5563.0, 5446.0, 5588.0, 5452.0, 5392.0, 5697.0, 5675.0, 5587.0, 5509.0, 5602.0, 5657.0, 5704.0, 5357.0, 5688.0, 5309.0, 5669.0, 5373.0, 5648.0, 5524.0, 5484.0, 5511.0, 5379.0, 5275.0, 5466.0, 5278.0, 5644.0, 5542.0, 5641.0, 5287.0, 5448.0, 5370.0, 5334.0, 5564.0, 5486.0, 5457.0, 5577.0, 5476.0, 5649.0, 5456.0, 5295.0, 5600.0, 5636.0, 5513.0, 5254.0, 5544.0, 5259.0, 5450.0, 5621.0, 5615.0, 5554.0, 5493.0, 5670.0, 5383.0, 5652.0, 5395.0, 5686.0, 5504.0, 5421.0, 5404.0, 5490.0, 5415.0, 5535.0, 5601.0, 5358.0, 5723.0, 5495.0, 5569.0, 5521.0, 5449.0, 5320.0, 5362.0, 5477.0, 5650.0, 5594.0, 5559.0, 5501.0, 5336.0, 5473.0, 5322.0, 5500.0, 5662.0, 5410.0, 5603.0, 5631.0, 5668.0, 5382.0, 5681.0, 5380.0, 5399.0, 5643.0, 5329.0, 5437.0, 5369.0, 5279.0, 5642.0 (number of hits: 11)
2	5510	9	1	333	1	5449.0, 5380.0, 5485.0, 5275.0, 5437.0, 5283.0, 5363.0, 5531.0, 5253.0, 5468.0, 5434.0, 5457.0, 5298.0, 5662.0, 5552.0, 5571.0, 5316.0, 5525.0, 5254.0, 5480.0, 5619.0, 5461.0, 5417.0, 5721.0, 5409.0, 5617.0, 5607.0, 5633.0, 5362.0, 5342.0, 5348.0, 5345.0, 5570.0, 5257.0, 5496.0, 5291.0, 5527.0, 5310.0, 5429.0, 5351.0, 5350.0, 5444.0, 5699.0, 5532.0, 5576.0, 5604.0, 5643.0, 5594.0, 5300.0, 5631.0, 5593.0, 5680.0, 5336.0, 5416.0, 5599.0, 5292.0, 5602.0, 5605.0, 5410.0, 5639.0, 5616.0, 5574.0, 5589.0, 5317.0, 5562.0, 5260.0, 5476.0, 5556.0, 5439.0, 5447.0, 5366.0, 5340.0, 5577.0, 5535.0, 5359.0, 5650.0, 5381.0, 5491.0, 5445.0, 5334.0, 5446.0, 5613.0, 5450.0, 5516.0, 5575.0, 5453.0, 5386.0, 5611.0, 5394.0, 5395.0, 5660.0, 5572.0, 5347.0, 5431.0, 5704.0, 5719.0, 5393.0, 5356.0, 5700.0, 5425.0 (number of hits: 5)
3	5510	9	1	333	1	5351.0, 5342.0, 5313.0, 5589.0, 5273.0, 5511.0, 5322.0, 5654.0, 5324.0, 5435.0, 5629.0, 5707.0, 5440.0, 5537.0, 5702.0, 5679.0, 5708.0, 5444.0, 5274.0, 5290.0, 5627.0, 5381.0, 5524.0, 5465.0, 5320.0, 5715.0, 5373.0, 5517.0, 5641.0, 5268.0, 5696.0, 5553.0, 5609.0, 5431.0, 5563.0, 5448.0, 5569.0, 5667.0, 5262.0, 5404.0, 5346.0, 5385.0, 5367.0, 5295.0, 5660.0, 5413.0, 5673.0, 5284.0, 5283.0, 5532.0, 5490.0, 5513.0, 5648.0, 5709.0, 5555.0, 5439.0, 5623.0, 5551.0, 5695.0, 5265.0, 5564.0, 5706.0, 5526.0, 5319.0, 5636.0, 5478.0, 5594.0, 5471.0, 5701.0, 5546.0,

						5619.0, 5336.0, 5453.0, 5286.0, 5430.0, 5514.0, 5634.0, 5451.0, 5256.0, 5266.0, 5395.0, 5410.0, 5593.0, 5486.0, 5442.0, 5506.0, 5455.0, 5631.0, 5587.0, 5601.0, 5604.0, 5414.0, 5651.0, 5472.0, 5416.0, 5419.0, 5688.0, 5544.0, 5562.0, 5682.0 (number of hits: 7)
4	5510	9	1	333	1	5419.0, 5383.0, 5588.0, 5439.0, 5334.0, 5455.0, 5563.0, 5364.0, 5530.0, 5638.0, 5373.0, 5355.0, 5441.0, 5270.0, 5275.0, 5462.0, 5618.0, 5652.0, 5722.0, 5269.0, 5584.0, 5296.0, 5320.0, 5311.0, 5579.0, 5303.0, 5605.0, 5610.0, 5567.0, 5698.0, 5676.0, 5423.0, 5488.0, 5540.0, 5256.0, 5348.0, 5327.0, 5268.0, 5287.0, 5666.0, 5548.0, 5527.0, 5362.0, 5476.0, 5252.0, 5670.0, 5510.0, 5590.0, 5458.0, 5397.0, 5709.0, 5628.0, 5694.0, 5409.0, 5375.0, 5494.0, 5572.0, 5705.0, 5626.0, 5595.0, 5435.0, 5394.0, 5682.0, 5318.0, 5718.0, 5547.0, 5627.0, 5478.0, 5651.0, 5502.0, 5546.0, 5349.0, 5295.0, 5506.0, 5356.0, 5300.0, 5544.0, 5332.0, 5335.0, 5693.0, 5337.0, 5437.0, 5293.0, 5432.0, 5522.0, 5686.0, 5664.0, 5490.0, 5707.0, 5406.0, 5613.0, 5589.0, 5468.0, 5715.0, 5372.0, 5471.0, 5491.0, 5598.0, 5467.0, 5677.0 (number of hits: 7)
5	5510	9	1	333	1	5273.0, 5450.0, 5345.0, 5507.0, 5706.0, 5317.0, 5361.0, 5366.0, 5482.0, 5417.0, 5340.0, 5443.0, 5621.0, 5493.0, 5666.0, 5616.0, 5381.0, 5566.0, 5638.0, 5539.0, 5561.0, 5568.0, 5701.0, 5250.0, 5429.0, 5555.0, 5310.0, 5656.0, 5692.0, 5478.0, 5689.0, 5356.0, 5332.0, 5419.0, 5590.0, 5376.0, 5613.0, 5680.0, 5490.0, 5628.0, 5639.0, 5542.0, 5516.0, 5354.0, 5264.0, 5463.0, 5408.0, 5329.0, 5677.0, 5713.0, 5722.0, 5710.0, 5573.0, 5586.0, 5596.0, 5620.0, 5627.0, 5411.0, 5572.0, 5399.0, 5282.0, 5585.0, 5614.0, 5510.0, 5679.0, 5375.0, 5587.0, 5325.0, 5530.0, 5699.0, 5424.0, 5704.0, 5401.0, 5277.0, 5422.0, 5673.0, 5255.0, 5700.0, 5600.0, 5651.0, 5622.0, 5331.0, 5716.0, 5470.0, 5278.0, 5558.0, 5488.0, 5426.0, 5333.0, 5308.0, 5434.0, 5351.0, 5533.0, 5577.0, 5723.0, 5300.0, 5286.0, 5303.0, 5431.0, 5515.0 (number of hits: 5)
6	5510	9	1	333	1	5317.0, 5315.0, 5260.0, 5652.0, 5528.0, 5400.0, 5559.0, 5457.0, 5685.0, 5409.0, 5310.0, 5390.0, 5251.0, 5353.0, 5407.0, 5334.0, 5659.0, 5499.0, 5613.0, 5715.0, 5374.0, 5387.0, 5358.0, 5259.0, 5625.0, 5661.0, 5561.0, 5551.0, 5339.0, 5596.0, 5431.0, 5720.0, 5546.0, 5633.0, 5391.0, 5355.0, 5662.0, 5452.0, 5501.0, 5573.0, 5565.0, 5592.0, 5706.0, 5382.0, 5585.0, 5393.0, 5525.0, 5683.0, 5704.0, 5263.0, 5386.0, 5326.0, 5411.0, 5365.0, 5272.0, 5513.0, 5606.0, 5535.0, 5330.0, 5695.0, 5404.0, 5471.0, 5252.0, 5518.0, 5668.0,

						5553.0, 5669.0, 5579.0, 5399.0, 5446.0, 5608.0, 5510.0, 5580.0, 5722.0, 5458.0, 5588.0, 5508.0, 5671.0, 5395.0, 5484.0, 5316.0, 5367.0, 5617.0, 5255.0, 5459.0, 5598.0, 5379.0, 5702.0, 5595.0, 5299.0, 5703.0, 5581.0, 5512.0, 5273.0, 5341.0, 5692.0, 5288.0, 5571.0, 5308.0, 5710.0 (number of hits: 9)
7	5510	9	1	333	1	5572.0, 5492.0, 5349.0, 5303.0, 5542.0, 5547.0, 5696.0, 5376.0, 5348.0, 5454.0, 5637.0, 5477.0, 5688.0, 5573.0, 5407.0, 5301.0, 5526.0, 5326.0, 5290.0, 5448.0, 5258.0, 5292.0, 5565.0, 5686.0, 5521.0, 5602.0, 5445.0, 5691.0, 5347.0, 5386.0, 5567.0, 5604.0, 5589.0, 5383.0, 5518.0, 5251.0, 5472.0, 5497.0, 5577.0, 5420.0, 5533.0, 5314.0, 5399.0, 5488.0, 5447.0, 5600.0, 5446.0, 5553.0, 5291.0, 5377.0, 5351.0, 5469.0, 5614.0, 5371.0, 5708.0, 5476.0, 5330.0, 5663.0, 5709.0, 5718.0, 5695.0, 5438.0, 5289.0, 5430.0, 5682.0, 5294.0, 5306.0, 5266.0, 5295.0, 5645.0, 5432.0, 5627.0, 5559.0, 5705.0, 5267.0, 5544.0, 5491.0, 5670.0, 5660.0, 5698.0, 5264.0, 5713.0, 5704.0, 5630.0, 5668.0, 5639.0, 5416.0, 5414.0, 5710.0, 5300.0, 5273.0, 5541.0, 5260.0, 5582.0, 5409.0, 5529.0, 5578.0, 5591.0, 5571.0, 5720.0 (number of hits: 6)
8	5510	9	1	333	1	5344.0, 5340.0, 5580.0, 5266.0, 5665.0, 5501.0, 5713.0, 5287.0, 5291.0, 5262.0, 5608.0, 5612.0, 5518.0, 5252.0, 5348.0, 5393.0, 5257.0, 5648.0, 5578.0, 5320.0, 5547.0, 5701.0, 5545.0, 5554.0, 5589.0, 5557.0, 5710.0, 5256.0, 5722.0, 5445.0, 5511.0, 5564.0, 5313.0, 5463.0, 5575.0, 5645.0, 5307.0, 5599.0, 5593.0, 5382.0, 5634.0, 5500.0, 5576.0, 5651.0, 5685.0, 5380.0, 5555.0, 5488.0, 5703.0, 5674.0, 5335.0, 5253.0, 5365.0, 5523.0, 5570.0, 5553.0, 5644.0, 5412.0, 5265.0, 5709.0, 5638.0, 5416.0, 5561.0, 5309.0, 5631.0, 5467.0, 5502.0, 5322.0, 5318.0, 5456.0, 5659.0, 5473.0, 5558.0, 5571.0, 5418.0, 5315.0, 5441.0, 5640.0, 5368.0, 5492.0, 5470.0, 5489.0, 5520.0, 5539.0, 5607.0, 5611.0, 5439.0, 5712.0, 5352.0, 5333.0, 5536.0, 5627.0, 5551.0, 5438.0, 5718.0, 5715.0, 5461.0, 5342.0, 5506.0, 5293.0 (number of hits: 9)
9	5510	9	1	333	1	5710.0, 5522.0, 5290.0, 5580.0, 5671.0, 5256.0, 5569.0, 5485.0, 5501.0, 5518.0, 5384.0, 5326.0, 5272.0, 5429.0, 5314.0, 5449.0, 5590.0, 5609.0, 5409.0, 5477.0, 5570.0, 5423.0, 5471.0, 5443.0, 5458.0, 5411.0, 5333.0, 5415.0, 5282.0, 5319.0, 5595.0, 5385.0, 5612.0, 5648.0, 5358.0, 5517.0, 5427.0, 5473.0, 5343.0, 5603.0, 5610.0, 5453.0, 5651.0, 5524.0, 5263.0, 5523.0, 5472.0, 5633.0, 5644.0, 5323.0, 5563.0, 5395.0, 5649.0, 5718.0, 5464.0, 5300.0, 5515.0, 5412.0, 5675.0, 5608.0,

						5589.0, 5308.0, 5661.0, 5550.0, 5536.0, 5640.0, 5520.0, 5511.0, 5686.0, 5325.0, 5647.0, 5252.0, 5702.0, 5506.0, 5276.0, 5577.0, 5508.0, 5491.0, 5498.0, 5389.0, 5303.0, 5709.0, 5267.0, 5683.0, 5655.0, 5500.0, 5341.0, 5370.0, 5670.0, 5297.0, 5416.0, 5487.0, 5327.0, 5724.0, 5288.0, 5701.0, 5576.0, 5540.0, 5494.0, 5652.0 (number of hits: 15)
10	5510	9	1	333	1	5252.0, 5264.0, 5684.0, 5711.0, 5479.0, 5580.0, 5654.0, 5340.0, 5293.0, 5700.0, 5445.0, 5485.0, 5279.0, 5447.0, 5624.0, 5606.0, 5633.0, 5475.0, 5534.0, 5257.0, 5394.0, 5280.0, 5646.0, 5291.0, 5427.0, 5519.0, 5302.0, 5412.0, 5315.0, 5378.0, 5489.0, 5303.0, 5498.0, 5644.0, 5268.0, 5316.0, 5521.0, 5397.0, 5592.0, 5494.0, 5701.0, 5415.0, 5527.0, 5615.0, 5481.0, 5402.0, 5379.0, 5555.0, 5422.0, 5304.0, 5704.0, 5514.0, 5695.0, 5292.0, 5505.0, 5568.0, 5517.0, 5641.0, 5682.0, 5335.0, 5507.0, 5413.0, 5255.0, 5388.0, 5370.0, 5683.0, 5584.0, 5282.0, 5666.0, 5472.0, 5595.0, 5668.0, 5550.0, 5689.0, 5588.0, 5722.0, 5342.0, 5364.0, 5312.0, 5515.0, 5350.0, 5265.0, 5476.0, 5407.0, 5452.0, 5572.0, 5410.0, 5281.0, 5425.0, 5512.0, 5578.0, 5270.0, 5663.0, 5338.0, 5453.0, 5523.0, 5499.0, 5585.0, 5650.0, 5647.0 (number of hits: 13)
11	5510	9	1	333	1	5355.0, 5704.0, 5252.0, 5612.0, 5413.0, 5363.0, 5499.0, 5384.0, 5675.0, 5339.0, 5661.0, 5633.0, 5404.0, 5713.0, 5509.0, 5374.0, 5353.0, 5653.0, 5523.0, 5707.0, 5622.0, 5588.0, 5259.0, 5510.0, 5598.0, 5631.0, 5391.0, 5312.0, 5488.0, 5417.0, 5369.0, 5640.0, 5297.0, 5441.0, 5712.0, 5365.0, 5685.0, 5319.0, 5647.0, 5331.0, 5463.0, 5492.0, 5445.0, 5315.0, 5288.0, 5350.0, 5278.0, 5703.0, 5431.0, 5636.0, 5680.0, 5600.0, 5310.0, 5426.0, 5540.0, 5321.0, 5566.0, 5719.0, 5583.0, 5457.0, 5679.0, 5467.0, 5414.0, 5684.0, 5533.0, 5609.0, 5436.0, 5432.0, 5305.0, 5519.0, 5479.0, 5429.0, 5617.0, 5608.0, 5427.0, 5285.0, 5273.0, 5416.0, 5709.0, 5562.0, 5251.0, 5478.0, 5332.0, 5485.0, 5333.0, 5378.0, 5323.0, 5357.0, 5302.0, 5410.0, 5697.0, 5520.0, 5393.0, 5607.0, 5532.0, 5434.0, 5615.0, 5592.0, 5714.0, 5504.0 (number of hits: 8)
12	5510	9	1	333	1	5303.0, 5564.0, 5478.0, 5517.0, 5637.0, 5512.0, 5298.0, 5396.0, 5356.0, 5531.0, 5579.0, 5707.0, 5530.0, 5571.0, 5405.0, 5586.0, 5669.0, 5487.0, 5404.0, 5411.0, 5285.0, 5681.0, 5401.0, 5670.0, 5417.0, 5294.0, 5257.0, 5408.0, 5483.0, 5267.0, 5695.0, 5270.0, 5265.0, 5299.0, 5493.0, 5536.0, 5393.0, 5397.0, 5683.0, 5256.0, 5631.0, 5437.0, 5553.0, 5400.0, 5511.0, 5608.0, 5676.0, 5415.0, 5682.0, 5534.0, 5520.0, 5471.0, 5539.0, 5664.0, 5349.0,

						5319.0, 5416.0, 5492.0, 5274.0, 5709.0, 5702.0, 5602.0, 5264.0, 5272.0, 5273.0, 5425.0, 5656.0, 5342.0, 5525.0, 5651.0, 5612.0, 5315.0, 5598.0, 5390.0, 5262.0, 5524.0, 5383.0, 5599.0, 5694.0, 5291.0, 5510.0, 5704.0, 5596.0, 5296.0, 5295.0, 5469.0, 5575.0, 5667.0, 5498.0, 5352.0, 5643.0, 5385.0, 5576.0, 5715.0, 5379.0, 5412.0, 5280.0, 5307.0, 5497.0, 5550.0 (number of hits: 11)
13	5510	9	1	333	1	5491.0, 5655.0, 5371.0, 5394.0, 5648.0, 5256.0, 5299.0, 5529.0, 5539.0, 5334.0, 5709.0, 5352.0, 5382.0, 5286.0, 5272.0, 5533.0, 5419.0, 5269.0, 5454.0, 5595.0, 5377.0, 5668.0, 5703.0, 5310.0, 5509.0, 5500.0, 5460.0, 5643.0, 5483.0, 5578.0, 5267.0, 5316.0, 5607.0, 5504.0, 5525.0, 5675.0, 5287.0, 5436.0, 5459.0, 5339.0, 5266.0, 5534.0, 5429.0, 5358.0, 5718.0, 5375.0, 5344.0, 5409.0, 5284.0, 5261.0, 5455.0, 5494.0, 5392.0, 5552.0, 5318.0, 5341.0, 5517.0, 5653.0, 5664.0, 5586.0, 5486.0, 5484.0, 5253.0, 5616.0, 5369.0, 5283.0, 5547.0, 5365.0, 5625.0, 5535.0, 5612.0, 5443.0, 5330.0, 5282.0, 5538.0, 5577.0, 5667.0, 5536.0, 5599.0, 5700.0, 5294.0, 5587.0, 5263.0, 5556.0, 5288.0, 5505.0, 5297.0, 5307.0, 5434.0, 5710.0, 5545.0, 5690.0, 5541.0, 5262.0, 5721.0, 5537.0, 5437.0, 5305.0, 5573.0, 5582.0 (number of hits: 8)
14	5510	9	1	333	1	5400.0, 5720.0, 5373.0, 5558.0, 5659.0, 5472.0, 5369.0, 5323.0, 5579.0, 5643.0, 5614.0, 5668.0, 5414.0, 5319.0, 5341.0, 5538.0, 5379.0, 5666.0, 5555.0, 5587.0, 5283.0, 5640.0, 5484.0, 5645.0, 5336.0, 5457.0, 5429.0, 5498.0, 5321.0, 5528.0, 5284.0, 5606.0, 5424.0, 5421.0, 5410.0, 5408.0, 5467.0, 5289.0, 5678.0, 5387.0, 5481.0, 5544.0, 5648.0, 5635.0, 5601.0, 5430.0, 5526.0, 5650.0, 5356.0, 5259.0, 5670.0, 5599.0, 5514.0, 5519.0, 5613.0, 5686.0, 5700.0, 5339.0, 5486.0, 5302.0, 5505.0, 5388.0, 5673.0, 5719.0, 5359.0, 5667.0, 5268.0, 5454.0, 5626.0, 5620.0, 5291.0, 5577.0, 5547.0, 5383.0, 5593.0, 5273.0, 5445.0, 5671.0, 5298.0, 5511.0, 5496.0, 5714.0, 5398.0, 5591.0, 5324.0, 5565.0, 5436.0, 5542.0, 5592.0, 5508.0, 5443.0, 5264.0, 5358.0, 5403.0, 5596.0, 5703.0, 5630.0, 5610.0, 5287.0, 5586.0 (number of hits: 9)
15	5510	9	1	333	1	5586.0, 5723.0, 5263.0, 5584.0, 5373.0, 5476.0, 5588.0, 5721.0, 5403.0, 5594.0, 5602.0, 5487.0, 5623.0, 5274.0, 5655.0, 5644.0, 5305.0, 5475.0, 5399.0, 5469.0, 5640.0, 5489.0, 5595.0, 5298.0, 5428.0, 5581.0, 5666.0, 5720.0, 5618.0, 5371.0, 5284.0, 5553.0, 5358.0, 5401.0, 5633.0, 5462.0, 5616.0, 5271.0, 5457.0, 5483.0, 5496.0, 5425.0, 5482.0, 5328.0, 5279.0, 5458.0, 5269.0, 5424.0, 5651.0, 5508.0,

						5503.0, 5514.0, 5307.0, 5468.0, 5668.0, 5645.0, 5259.0, 5559.0, 5261.0, 5378.0, 5410.0, 5383.0, 5372.0, 5523.0, 5556.0, 5456.0, 5627.0, 5545.0, 5714.0, 5551.0, 5390.0, 5636.0, 5615.0, 5414.0, 5308.0, 5670.0, 5446.0, 5673.0, 5437.0, 5318.0, 5337.0, 5528.0, 5334.0, 5282.0, 5310.0, 5582.0, 5258.0, 5691.0, 5678.0, 5547.0, 5433.0, 5701.0, 5336.0, 5306.0, 5649.0, 5280.0, 5570.0, 5281.0, 5354.0, 5557.0 (number of hits: 6)
16	5510	9	1	333	1	5594.0, 5516.0, 5647.0, 5310.0, 5568.0, 5659.0, 5598.0, 5369.0, 5343.0, 5718.0, 5307.0, 5608.0, 5271.0, 5464.0, 5606.0, 5655.0, 5396.0, 5293.0, 5678.0, 5511.0, 5538.0, 5502.0, 5265.0, 5264.0, 5420.0, 5546.0, 5586.0, 5717.0, 5640.0, 5298.0, 5724.0, 5613.0, 5486.0, 5442.0, 5702.0, 5646.0, 5439.0, 5626.0, 5525.0, 5706.0, 5366.0, 5674.0, 5466.0, 5323.0, 5309.0, 5461.0, 5507.0, 5384.0, 5686.0, 5462.0, 5716.0, 5505.0, 5581.0, 5576.0, 5277.0, 5303.0, 5602.0, 5652.0, 5320.0, 5317.0, 5381.0, 5382.0, 5535.0, 5463.0, 5480.0, 5407.0, 5605.0, 5361.0, 5330.0, 5326.0, 5334.0, 5304.0, 5410.0, 5312.0, 5425.0, 5399.0, 5306.0, 5650.0, 5504.0, 5624.0, 5319.0, 5676.0, 5426.0, 5400.0, 5290.0, 5569.0, 5292.0, 5521.0, 5456.0, 5397.0, 5341.0, 5302.0, 5611.0, 5284.0, 5643.0, 5682.0, 5620.0, 5428.0, 5621.0, 5474.0 (number of hits: 8)
17	5510	9	1	333	1	5656.0, 5416.0, 5415.0, 5580.0, 5665.0, 5254.0, 5584.0, 5668.0, 5332.0, 5381.0, 5629.0, 5674.0, 5544.0, 5673.0, 5388.0, 5469.0, 5294.0, 5314.0, 5320.0, 5684.0, 5372.0, 5511.0, 5651.0, 5441.0, 5549.0, 5445.0, 5282.0, 5424.0, 5326.0, 5457.0, 5352.0, 5701.0, 5413.0, 5362.0, 5331.0, 5285.0, 5477.0, 5446.0, 5721.0, 5322.0, 5514.0, 5669.0, 5437.0, 5423.0, 5709.0, 5612.0, 5671.0, 5450.0, 5456.0, 5270.0, 5358.0, 5327.0, 5481.0, 5434.0, 5698.0, 5545.0, 5486.0, 5648.0, 5607.0, 5301.0, 5588.0, 5377.0, 5619.0, 5590.0, 5550.0, 5662.0, 5318.0, 5479.0, 5695.0, 5389.0, 5476.0, 5484.0, 5328.0, 5556.0, 5577.0, 5399.0, 5526.0, 5693.0, 5373.0, 5472.0, 5417.0, 5512.0, 5710.0, 5421.0, 5679.0, 5442.0, 5641.0, 5338.0, 5307.0, 5321.0, 5528.0, 5670.0, 5411.0, 5304.0, 5444.0, 5689.0, 5394.0, 5251.0, 5536.0, 5393.0 (number of hits: 5)
18	5510	9	1	333	1	5376.0, 5688.0, 5555.0, 5557.0, 5359.0, 5388.0, 5373.0, 5598.0, 5631.0, 5594.0, 5634.0, 5659.0, 5260.0, 5252.0, 5702.0, 5565.0, 5329.0, 5432.0, 5681.0, 5400.0, 5428.0, 5290.0, 5267.0, 5454.0, 5422.0, 5370.0, 5438.0, 5293.0, 5414.0, 5299.0, 5515.0, 5497.0, 5655.0, 5321.0, 5420.0, 5693.0, 5651.0, 5489.0, 5283.0, 5419.0, 5505.0, 5446.0, 5494.0, 5439.0, 5436.0,

						5381.0, 5343.0, 5595.0, 5592.0, 5278.0, 5330.0, 5402.0, 5411.0, 5268.0, 5583.0, 5633.0, 5518.0, 5613.0, 5670.0, 5333.0, 5425.0, 5636.0, 5694.0, 5602.0, 5296.0, 5590.0, 5273.0, 5530.0, 5460.0, 5566.0, 5483.0, 5617.0, 5672.0, 5674.0, 5311.0, 5660.0, 5408.0, 5367.0, 5563.0, 5313.0, 5586.0, 5620.0, 5298.0, 5430.0, 5466.0, 5382.0, 5479.0, 5574.0, 5263.0, 5719.0, 5320.0, 5344.0, 5394.0, 5315.0, 5338.0, 5591.0, 5632.0, 5433.0, 5459.0, 5698.0 (number of hits: 5)
19	5510	9	1	333	1	5615.0, 5462.0, 5535.0, 5390.0, 5386.0, 5463.0, 5693.0, 5723.0, 5424.0, 5617.0, 5600.0, 5655.0, 5342.0, 5283.0, 5340.0, 5332.0, 5375.0, 5380.0, 5521.0, 5344.0, 5295.0, 5548.0, 5724.0, 5358.0, 5436.0, 5518.0, 5430.0, 5366.0, 5483.0, 5623.0, 5272.0, 5721.0, 5262.0, 5657.0, 5381.0, 5538.0, 5645.0, 5541.0, 5606.0, 5317.0, 5555.0, 5277.0, 5368.0, 5686.0, 5253.0, 5427.0, 5592.0, 5589.0, 5627.0, 5630.0, 5404.0, 5528.0, 5445.0, 5611.0, 5703.0, 5321.0, 5494.0, 5568.0, 5266.0, 5343.0, 5433.0, 5446.0, 5298.0, 5670.0, 5339.0, 5591.0, 5306.0, 5574.0, 5420.0, 5616.0, 5502.0, 5562.0, 5537.0, 5488.0, 5255.0, 5329.0, 5482.0, 5654.0, 5284.0, 5650.0, 5484.0, 5680.0, 5520.0, 5707.0, 5314.0, 5464.0, 5612.0, 5392.0, 5609.0, 5292.0, 5575.0, 5620.0, 5643.0, 5387.0, 5338.0, 5336.0, 5480.0, 5516.0, 5549.0, 5319.0 (number of hits: 7)
20	5510	9	1	333	1	5463.0, 5483.0, 5328.0, 5334.0, 5449.0, 5441.0, 5317.0, 5310.0, 5362.0, 5401.0, 5608.0, 5316.0, 5388.0, 5695.0, 5587.0, 5335.0, 5414.0, 5508.0, 5407.0, 5524.0, 5675.0, 5556.0, 5453.0, 5635.0, 5577.0, 5253.0, 5277.0, 5266.0, 5715.0, 5710.0, 5365.0, 5477.0, 5379.0, 5402.0, 5698.0, 5567.0, 5565.0, 5296.0, 5473.0, 5406.0, 5680.0, 5314.0, 5531.0, 5515.0, 5289.0, 5663.0, 5627.0, 5268.0, 5307.0, 5552.0, 5633.0, 5478.0, 5447.0, 5372.0, 5322.0, 5305.0, 5288.0, 5274.0, 5553.0, 5457.0, 5497.0, 5413.0, 5575.0, 5703.0, 5595.0, 5554.0, 5309.0, 5570.0, 5717.0, 5404.0, 5376.0, 5562.0, 5448.0, 5410.0, 5272.0, 5331.0, 5396.0, 5409.0, 5326.0, 5285.0, 5642.0, 5286.0, 5493.0, 5392.0, 5304.0, 5295.0, 5468.0, 5287.0, 5281.0, 5340.0, 5523.0, 5661.0, 5359.0, 5724.0, 5690.0, 5275.0, 5498.0, 5664.0, 5536.0, 5714.0 (number of hits: 7)
21	5510	9	1	333	1	5566.0, 5665.0, 5373.0, 5590.0, 5462.0, 5302.0, 5334.0, 5564.0, 5340.0, 5464.0, 5361.0, 5426.0, 5714.0, 5375.0, 5537.0, 5615.0, 5445.0, 5678.0, 5526.0, 5552.0, 5538.0, 5485.0, 5710.0, 5285.0, 5323.0, 5448.0, 5595.0, 5717.0, 5336.0, 5452.0, 5418.0, 5519.0, 5620.0, 5561.0, 5374.0, 5600.0, 5470.0, 5510.0, 5379.0, 5395.0,

						5694.0, 5368.0, 5558.0, 5541.0, 5455.0, 5265.0, 5654.0, 5505.0, 5415.0, 5513.0, 5713.0, 5637.0, 5692.0, 5391.0, 5251.0, 5377.0, 5449.0, 5407.0, 5262.0, 5314.0, 5408.0, 5438.0, 5296.0, 5338.0, 5261.0, 5532.0, 5695.0, 5619.0, 5335.0, 5680.0, 5263.0, 5715.0, 5310.0, 5253.0, 5317.0, 5372.0, 5344.0, 5459.0, 5570.0, 5504.0, 5693.0, 5297.0, 5447.0, 5396.0, 5696.0, 5436.0, 5399.0, 5352.0, 5546.0, 5360.0, 5467.0, 5553.0, 5307.0, 5460.0, 5328.0, 5318.0, 5343.0, 5439.0, 5498.0, 5412.0 (number of hits: 7)
22	5510	9	1	333	1	5485.0, 5712.0, 5326.0, 5449.0, 5533.0, 5387.0, 5541.0, 5469.0, 5679.0, 5499.0, 5643.0, 5452.0, 5552.0, 5549.0, 5284.0, 5611.0, 5280.0, 5557.0, 5523.0, 5468.0, 5572.0, 5407.0, 5520.0, 5350.0, 5335.0, 5257.0, 5555.0, 5556.0, 5587.0, 5626.0, 5458.0, 5330.0, 5311.0, 5392.0, 5281.0, 5579.0, 5588.0, 5714.0, 5289.0, 5285.0, 5668.0, 5402.0, 5307.0, 5596.0, 5578.0, 5293.0, 5505.0, 5337.0, 5290.0, 5498.0, 5530.0, 5614.0, 5398.0, 5601.0, 5677.0, 5575.0, 5561.0, 5351.0, 5623.0, 5620.0, 5535.0, 5720.0, 5359.0, 5655.0, 5690.0, 5694.0, 5649.0, 5323.0, 5410.0, 5269.0, 5388.0, 5618.0, 5368.0, 5431.0, 5378.0, 5365.0, 5608.0, 5400.0, 5528.0, 5651.0, 5554.0, 5595.0, 5366.0, 5476.0, 5536.0, 5461.0, 5309.0, 5722.0, 5573.0, 5404.0, 5282.0, 5678.0, 5716.0, 5628.0, 5427.0, 5466.0, 5358.0, 5441.0, 5526.0, 5430.0 (number of hits: 7)
23	5510	9	1	333	1	5621.0, 5522.0, 5712.0, 5365.0, 5415.0, 5567.0, 5509.0, 5335.0, 5703.0, 5657.0, 5641.0, 5316.0, 5358.0, 5541.0, 5464.0, 5640.0, 5364.0, 5314.0, 5397.0, 5436.0, 5649.0, 5355.0, 5584.0, 5576.0, 5287.0, 5675.0, 5262.0, 5416.0, 5644.0, 5474.0, 5588.0, 5565.0, 5607.0, 5482.0, 5549.0, 5582.0, 5408.0, 5682.0, 5683.0, 5575.0, 5506.0, 5497.0, 5321.0, 5671.0, 5465.0, 5693.0, 5572.0, 5376.0, 5667.0, 5251.0, 5689.0, 5273.0, 5594.0, 5387.0, 5555.0, 5511.0, 5717.0, 5520.0, 5670.0, 5585.0, 5350.0, 5405.0, 5500.0, 5439.0, 5345.0, 5301.0, 5328.0, 5351.0, 5716.0, 5438.0, 5468.0, 5357.0, 5361.0, 5690.0, 5577.0, 5352.0, 5424.0, 5592.0, 5589.0, 5704.0, 5595.0, 5479.0, 5593.0, 5392.0, 5305.0, 5271.0, 5504.0, 5642.0, 5453.0, 5542.0, 5622.0, 5550.0, 5459.0, 5432.0, 5340.0, 5481.0, 5422.0, 5532.0, 5685.0, 5367.0 (number of hits: 8)
24	5510	9	1	333	1	5626.0, 5448.0, 5452.0, 5342.0, 5493.0, 5563.0, 5345.0, 5409.0, 5704.0, 5268.0, 5352.0, 5660.0, 5470.0, 5325.0, 5454.0, 5265.0, 5370.0, 5338.0, 5323.0, 5557.0, 5634.0, 5646.0, 5360.0, 5496.0, 5412.0, 5347.0, 5538.0, 5536.0, 5621.0, 5251.0, 5665.0, 5460.0, 5264.0, 5687.0, 5348.0,

						5601.0, 5703.0, 5334.0, 5595.0, 5608.0, 5480.0, 5525.0, 5571.0, 5696.0, 5513.0, 5311.0, 5359.0, 5304.0, 5674.0, 5407.0, 5672.0, 5592.0, 5535.0, 5450.0, 5722.0, 5578.0, 5317.0, 5261.0, 5708.0, 5631.0, 5667.0, 5279.0, 5627.0, 5364.0, 5656.0, 5289.0, 5413.0, 5589.0, 5483.0, 5331.0, 5420.0, 5384.0, 5281.0, 5402.0, 5640.0, 5602.0, 5545.0, 5568.0, 5273.0, 5453.0, 5287.0, 5524.0, 5510.0, 5499.0, 5574.0, 5310.0, 5560.0, 5684.0, 5390.0, 5532.0, 5702.0, 5257.0, 5707.0, 5540.0, 5335.0, 5449.0, 5398.0, 5429.0, 5577.0, 5316.0 (number of hits: 7)
25	5510	9	1	333	1	5439.0, 5700.0, 5463.0, 5379.0, 5356.0, 5577.0, 5566.0, 5484.0, 5294.0, 5254.0, 5371.0, 5648.0, 5346.0, 5540.0, 5670.0, 5333.0, 5445.0, 5508.0, 5265.0, 5320.0, 5435.0, 5495.0, 5303.0, 5444.0, 5458.0, 5469.0, 5289.0, 5521.0, 5534.0, 5355.0, 5589.0, 5315.0, 5578.0, 5600.0, 5582.0, 5699.0, 5366.0, 5287.0, 5630.0, 5689.0, 5572.0, 5586.0, 5410.0, 5362.0, 5396.0, 5503.0, 5405.0, 5717.0, 5721.0, 5274.0, 5489.0, 5251.0, 5581.0, 5523.0, 5400.0, 5306.0, 5369.0, 5358.0, 5568.0, 5640.0, 5477.0, 5603.0, 5575.0, 5713.0, 5695.0, 5625.0, 5453.0, 5373.0, 5331.0, 5579.0, 5613.0, 5519.0, 5672.0, 5520.0, 5608.0, 5662.0, 5255.0, 5475.0, 5426.0, 5486.0, 5522.0, 5685.0, 5441.0, 5384.0, 5261.0, 5394.0, 5361.0, 5309.0, 5429.0, 5714.0, 5542.0, 5412.0, 5339.0, 5452.0, 5681.0, 5416.0, 5627.0, 5378.0, 5470.0, 5559.0 (number of hits: 8)
26	5510	9	1	333	1	5488.0, 5616.0, 5475.0, 5399.0, 5422.0, 5359.0, 5343.0, 5548.0, 5539.0, 5490.0, 5281.0, 5325.0, 5546.0, 5675.0, 5614.0, 5295.0, 5348.0, 5381.0, 5715.0, 5519.0, 5481.0, 5507.0, 5567.0, 5386.0, 5368.0, 5705.0, 5434.0, 5319.0, 5535.0, 5681.0, 5499.0, 5484.0, 5505.0, 5638.0, 5351.0, 5518.0, 5288.0, 5668.0, 5612.0, 5541.0, 5641.0, 5419.0, 5388.0, 5533.0, 5661.0, 5534.0, 5441.0, 5412.0, 5408.0, 5545.0, 5491.0, 5566.0, 5504.0, 5430.0, 5378.0, 5597.0, 5699.0, 5283.0, 5525.0, 5396.0, 5626.0, 5634.0, 5588.0, 5420.0, 5674.0, 5342.0, 5447.0, 5718.0, 5476.0, 5413.0, 5411.0, 5517.0, 5286.0, 5432.0, 5314.0, 5260.0, 5387.0, 5640.0, 5565.0, 5311.0, 5678.0, 5344.0, 5618.0, 5657.0, 5409.0, 5649.0, 5458.0, 5297.0, 5380.0, 5622.0, 5463.0, 5635.0, 5685.0, 5310.0, 5501.0, 5266.0, 5686.0, 5336.0, 5391.0, 5347.0 (number of hits: 10)
27	5510	9	1	333	1	5611.0, 5535.0, 5488.0, 5566.0, 5469.0, 5531.0, 5652.0, 5710.0, 5433.0, 5683.0, 5330.0, 5443.0, 5450.0, 5586.0, 5342.0, 5537.0, 5672.0, 5624.0, 5622.0, 5296.0, 5615.0, 5702.0, 5481.0, 5351.0, 5606.0, 5261.0, 5315.0, 5675.0, 5406.0, 5274.0,

						5510.0, 5385.0, 5289.0, 5344.0, 5282.0, 5505.0, 5324.0, 5571.0, 5297.0, 5684.0, 5699.0, 5616.0, 5666.0, 5715.0, 5345.0, 5542.0, 5409.0, 5601.0, 5680.0, 5408.0, 5626.0, 5720.0, 5562.0, 5501.0, 5500.0, 5255.0, 5504.0, 5318.0, 5470.0, 5370.0, 5559.0, 5556.0, 5350.0, 5377.0, 5522.0, 5645.0, 5660.0, 5332.0, 5436.0, 5427.0, 5265.0, 5317.0, 5473.0, 5422.0, 5267.0, 5497.0, 5508.0, 5294.0, 5353.0, 5697.0, 5269.0, 5448.0, 5279.0, 5597.0, 5704.0, 5574.0, 5368.0, 5464.0, 5298.0, 5434.0, 5563.0, 5658.0, 5452.0, 5620.0, 5553.0, 5405.0, 5400.0, 5506.0, 5557.0, 5722.0 (number of hits: 9)
28	5510	9	1	333	1	5548.0, 5385.0, 5593.0, 5433.0, 5283.0, 5329.0, 5619.0, 5600.0, 5377.0, 5480.0, 5602.0, 5348.0, 5254.0, 5314.0, 5373.0, 5338.0, 5300.0, 5375.0, 5691.0, 5707.0, 5556.0, 5482.0, 5605.0, 5503.0, 5607.0, 5523.0, 5399.0, 5495.0, 5311.0, 5529.0, 5581.0, 5575.0, 5441.0, 5318.0, 5491.0, 5615.0, 5465.0, 5486.0, 5265.0, 5545.0, 5695.0, 5383.0, 5723.0, 5567.0, 5430.0, 5724.0, 5335.0, 5403.0, 5621.0, 5387.0, 5652.0, 5658.0, 5347.0, 5295.0, 5392.0, 5683.0, 5407.0, 5310.0, 5628.0, 5270.0, 5361.0, 5580.0, 5511.0, 5365.0, 5317.0, 5490.0, 5436.0, 5599.0, 5356.0, 5722.0, 5466.0, 5370.0, 5663.0, 5517.0, 5620.0, 5596.0, 5525.0, 5477.0, 5661.0, 5266.0, 5306.0, 5409.0, 5345.0, 5384.0, 5512.0, 5565.0, 5613.0, 5305.0, 5378.0, 5555.0, 5493.0, 5368.0, 5591.0, 5588.0, 5277.0, 5359.0, 5415.0, 5518.0, 5481.0, 5308.0 (number of hits: 10)
29	5510	9	1	333	1	5647.0, 5605.0, 5398.0, 5600.0, 5327.0, 5610.0, 5511.0, 5439.0, 5320.0, 5288.0, 5400.0, 5279.0, 5371.0, 5326.0, 5643.0, 5304.0, 5663.0, 5536.0, 5566.0, 5540.0, 5620.0, 5642.0, 5396.0, 5466.0, 5537.0, 5552.0, 5631.0, 5302.0, 5554.0, 5307.0, 5441.0, 5299.0, 5630.0, 5357.0, 5619.0, 5712.0, 5351.0, 5418.0, 5616.0, 5492.0, 5649.0, 5344.0, 5309.0, 5379.0, 5406.0, 5300.0, 5377.0, 5636.0, 5589.0, 5446.0, 5526.0, 5470.0, 5702.0, 5535.0, 5454.0, 5451.0, 5718.0, 5720.0, 5677.0, 5453.0, 5671.0, 5486.0, 5435.0, 5487.0, 5464.0, 5716.0, 5325.0, 5705.0, 5252.0, 5534.0, 5332.0, 5701.0, 5472.0, 5629.0, 5271.0, 5575.0, 5450.0, 5447.0, 5458.0, 5709.0, 5416.0, 5259.0, 5428.0, 5292.0, 5280.0, 5334.0, 5609.0, 5710.0, 5322.0, 5457.0, 5632.0, 5682.0, 5723.0, 5476.0, 5569.0, 5683.0, 5703.0, 5378.0, 5657.0, 5449.0 (number of hits: 3)
30	5510	9	1	333	1	5292.0, 5703.0, 5353.0, 5525.0, 5328.0, 5722.0, 5657.0, 5618.0, 5715.0, 5344.0, 5705.0, 5682.0, 5542.0, 5704.0, 5697.0, 5318.0, 5513.0, 5341.0, 5706.0, 5368.0, 5311.0, 5699.0, 5460.0, 5280.0, 5593.0,

						5614.0, 5511.0, 5412.0, 5370.0, 5268.0, 5327.0, 5533.0, 5708.0, 5408.0, 5429.0, 5494.0, 5317.0, 5695.0, 5519.0, 5536.0, 5611.0, 5534.0, 5579.0, 5482.0, 5253.0, 5636.0, 5488.0, 5649.0, 5384.0, 5282.0, 5524.0, 5514.0, 5651.0, 5644.0, 5332.0, 5479.0, 5272.0, 5532.0, 5330.0, 5362.0, 5687.0, 5302.0, 5510.0, 5640.0, 5356.0, 5279.0, 5577.0, 5442.0, 5294.0, 5522.0, 5380.0, 5351.0, 5414.0, 5604.0, 5575.0, 5720.0, 5449.0, 5582.0, 5256.0, 5591.0, 5276.0, 5576.0, 5406.0, 5623.0, 5639.0, 5609.0, 5402.0, 5487.0, 5273.0, 5667.0, 5416.0, 5338.0, 5377.0, 5546.0, 5613.0, 5254.0, 5716.0, 5261.0, 5692.0, 5367.0 (number of hits: 9)

5 GHz Radio 1+ 5 GHz AUX

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	90.0 %	60%	Pass
Type 3	30	96.7 %	60%	Pass
Type 4	30	80.0 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	67	1	798	1
2	5530	92	1	578	1
3	5530	72	1	738	1
4	5530	81	1	658	1
5	5530	99	1	538	1
6	5491	68	1	778	1
7	5491	59	1	898	1
8	5491	83	1	638	1
9	5491	62	1	858	1
10	5491	74	1	718	1
11	5569	86	1	618	1
12	5569	18	1	3066	1
13	5569	95	1	558	1
14	5569	89	1	598	1
15	5569	70	1	758	1
16	5530	94	1	564	1
17	5530	31	1	1744	1
18	5530	47	1	1146	1
19	5530	23	1	2332	1
20	5530	20	1	2692	1
21	5491	23	1	2343	1
22	5491	23	1	2336	1
23	5491	28	1	1929	1
24	5491	19	1	2810	1
25	5491	36	1	1489	1
26	5569	45	1	1175	1
27	5569	27	1	1989	1
28	5569	46	1	1160	1
29	5569	31	1	1724	1
30	5569	20	1	2714	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	29	1.8	169	1
2	5530	27	4.3	170	1
3	5530	26	1.8	166	1
4	5530	29	4.3	203	0
5	5530	26	2.7	188	1
6	5530	26	2.9	229	1
7	5530	23	2.7	229	1
8	5530	26	5	200	0
9	5530	29	1.5	187	1
10	5530	23	3.3	222	1
11	5491	29	4.3	200	1
12	5491	28	4.5	163	1
13	5491	26	3.6	175	1
14	5491	24	5	166	1
15	5491	29	4.2	179	1
16	5491	26	4.8	212	1
17	5491	24	2.7	166	0
18	5491	29	4.5	182	1
19	5491	29	3	194	1
20	5491	27	2.3	177	1
21	5569	25	1.1	196	1
22	5569	25	4	175	1
23	5569	27	1	226	1
24	5569	28	2.2	175	1
25	5569	23	3.1	222	1
26	5569	24	4.1	205	1
27	5569	26	1.8	196	1
28	5569	25	1.8	159	1
29	5569	28	3	201	1
30	5569	24	4.4	210	1
Detection Percentage: 90.0% (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	18	6.9	382	1
2	5530	17	7.4	360	1
3	5530	18	6.6	274	1
4	5530	16	6.3	404	1
5	5530	18	6.1	442	1
6	5530	16	9.1	498	1
7	5530	18	6.4	472	1
8	5530	17	9.1	494	1
9	5530	17	8.8	240	1
10	5530	16	8.7	500	1
11	5491	18	6.1	229	1
12	5491	18	7.7	258	1
13	5491	16	9.3	457	1
14	5491	17	9.8	354	1
15	5491	16	10	325	1
16	5491	18	9.5	356	1
17	5491	17	7.1	304	1
18	5491	17	6	314	1
19	5491	18	7.9	408	1
20	5491	16	9.6	387	1
21	5569	18	6.1	426	1
22	5569	18	8.9	311	1
23	5569	16	6.5	485	1
24	5569	18	9.9	298	1
25	5569	16	8.1	375	1
26	5569	16	8.9	233	1
27	5569	16	7.4	471	1
28	5569	16	7.3	406	1
29	5569	16	9.1	292	0
30	5569	17	9.1	321	1
Detection Percentage: 96.7 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	14	12.1	313	1
2	5530	12	15.6	455	1
3	5530	15	19.3	392	1
4	5530	16	15	259	0
5	5530	13	12.2	484	1
6	5530	15	11.8	246	1
7	5530	13	17.8	294	1
8	5530	15	19.4	204	1
9	5530	14	12.3	374	1
10	5530	16	18.2	243	1
11	5491	13	18.8	280	0
12	5491	16	19.9	410	1
13	5491	15	11.5	335	0
14	5491	16	15.1	297	1
15	5491	13	17.6	277	1
16	5491	13	17.4	249	1
17	5491	13	14.1	366	1
18	5491	15	19.1	318	1
19	5491	13	17.9	253	0
20	5491	12	14.8	388	0
21	5569	15	19.4	257	1
22	5569	12	14.8	406	1
23	5569	16	16.2	473	1
24	5569	13	16.8	355	1
25	5569	16	13.6	370	1
26	5569	14	14.7	323	1
27	5569	16	19.7	320	1
28	5569	14	12.3	446	1
29	5569	15	15.4	267	1
30	5569	12	11.9	362	0
Detection Percentage: 80.0 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5497.0	1
12	5493.8	1
13	5495.0	1
14	5495.0	1
15	5494.2	1
16	5497.4	1
17	5493.4	1
18	5495.4	1
19	5495.0	1
20	5494.2	1
21	5566.2	1
22	5563.0	1
23	5564.2	1
24	5561.0	1
25	5565.0	1
26	5565.8	1
27	5564.6	1
28	5561.8	1
29	5564.2	1
30	5564.6	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	2	15	79.7	1606		0.05554	1
1	1	15	83.2			2.37285	
2	1	15	85.2			2.430594	
3	2	15	81.9	1101		3.961459	
4	1	15	73.4			5.043142	
5	1	15	97.6			6.941011	
6	2	15	67.1	1972		7.275038	
7	2	15	58.8	1492		9.109379	
8	2	15	96.2	1053		10.792171	
9	1	15	56.4			11.39124	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	62.6	1661	1712	0.368171	1
1	2	12	55.7	1060		1.17503	
2	1	12	61.6			2.383987	
3	1	12	86.5			2.777031	
4	2	12	58.2	1204		4.471305	
5	2	12	53.2	1227		5.516703	
6	2	12	55	1343		5.947491	
7	1	12	51.6			6.532654	
8	1	12	91.4			7.45684	
9	3	12	80.6	1712	1407	8.611809	
10	1	12	66.9			9.643186	
11	2	12	84.2	1190		10.667153	
12	2	12	72.3	1235		11.137732	

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	71.8			0.444293	
1	1	14	86.9			1.141567	
2	2	14	64.5	1997		2.327231	
3	3	14	89	1298	1228	2.462991	
4	2	14	52.6	1737		3.524409	
5	2	14	50.9	1281		4.14175	
6	2	14	70.5	1089		5.212012	
7	1	14	52.6			6.326757	1
8	2	14	77.2	1780		6.698203	
9	2	14	70.6	1585		7.322516	
10	2	14	72.7	1114		8.417248	
11	2	14	76.3	1449		9.440318	
12	3	14	77.8	1269	1437	10.12883	
13	3	14	71.5	1864	1376	10.90959	
14	3	14	84.5	1440	1282	11.400273	

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	93.1			0.842944	
1	1	8	64.2			2.190321	
2	2	8	53.5	1027		3.026385	
3	1	8	71.3			4.112539	
4	2	8	85	1086		4.833552	
5	1	8	65.9			6.869963	1
6	2	8	59.9	1305		7.492411	
7	1	8	65.5			9.348172	
8	2	8	85.7	1652		10.78327	
9	2	8	60.6	1486		11.547287	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	50.3			0.915033	1
1	1	9	84.3			2.657666	
2	3	9	90.9	1315	1044	3.315471	
3	1	9	88.3			4.347785	
4	1	9	66.4			5.684443	
5	2	9	52.4	1495		7.44678	
6	2	9	91.9	1149		8.125883	
7	2	9	89.7	1915		9.766754	
8	2	9	50.1	1901		10.982424	

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	67.9	1209	1613	0.310369	1
1	2	8	98.2	1033		1.977678	
2	3	8	96.7	1649	1670	4.384035	
3	2	8	62.4	1667		5.259548	
4	3	8	66.5	1343	1215	7.391672	
5	2	8	62.4	1744		7.997445	
6	1	8	60.2			9.073096	
7	1	8	88.3			11.345026	

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	64.2			0.68003	1
1	3	10	93.5	1253	1886	1.453888	
2	1	10	88			2.189249	
3	1	10	63.9			3.146526	
4	3	10	62.2	1963	1843	3.43977	
5	2	10	65.1	1443		4.500149	
6	3	10	83	1086	1915	5.517357	
7	2	10	57.6	1736		6.791369	
8	2	10	95.2	1146		7.02601	
9	3	10	72.3	1140	1053	8.183562	
10	1	10	96.7			8.833628	
11	2	10	70.7	1355		9.884075	
12	1	10	91.8			10.70065	
13	3	10	98.9	1966	1977	11.206462	

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	50.4			0.14173	1
1	3	6	88.8	1001	1816	0.974529	
2	1	6	90.5			1.987598	
3	3	6	68.3	1697	1464	2.597186	
4	2	6	60	1493		3.494076	
5	1	6	94.3			4.397989	
6	1	6	69.6			5.501808	
7	2	6	57.6	1197		5.797932	
8	1	6	75			7.157206	
9	2	6	82.8	1296		7.739186	
10	2	6	97.1	1979		8.454482	
11	1	6	76.8			9.076466	
12	3	6	95.6	1214	1376	10.326448	
13	2	6	74.1	1385		10.518313	
14	3	6	63	1446	1440	11.320531	

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	13	75.5	1972		0.576098	1
1	3	13	71.1	1183	1150	1.372369	
2	1	13	86.6			2.117127	
3	1	13	54.3			2.990477	
4	3	13	50.2	1712	1000	3.80846	
5	2	13	56.6	1611		5.320096	
6	2	13	53	1287		5.843356	
7	1	13	73.3			7.151292	
8	3	13	53	1329	1088	7.423307	
9	2	13	77.8	1268		8.692045	
10	1	13	69.2			9.616183	
11	2	13	69.4	1386		10.721265	
12	2	13	63.5	2000		11.691309	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	83.5	1702	1073	0.182419	1
1	1	11	91.1			1.124734	
2	2	11	64.9	1701		1.456992	
3	3	11	58.6	1697	1175	2.178474	
4	3	11	74.6	1621	1155	3.185438	
5	2	11	98.9	1181		3.634712	
6	3	11	86.6	1747	1546	4.242298	
7	2	11	84.1	1130		5.133876	
8	1	11	95.8			5.539817	
9	1	11	62.9			6.509982	
10	2	11	86.9	1677		6.951565	
11	3	11	84	1015	1956	7.606809	
12	2	11	63.7	1247		8.024395	
13	3	11	79.4	1950	1171	8.711361	
14	3	11	74.9	1710	1930	9.878188	
15	1	11	70.1			10.416679	
16	2	11	53.1	1248		11.31399	
17	2	11	88.6	1131		11.937874	

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	15	87.5	1982		0.724189	1
1	2	15	60.1	1978		1.471542	
2	1	15	75.8			2.00185	
3	2	15	78.5	1049		3.387364	
4	2	15	51.3	1254		4.097927	
5	2	15	53.7	1907		5.001257	
6	3	15	78.1	1299	1513	5.382692	
7	2	15	67.6	1408		6.344672	
8	2	15	76.5	1121		7.189214	
9	2	15	69.3	1451		8.123011	
10	1	15	80.9			8.739486	
11	1	15	63.6			9.96448	
12	2	15	50.6	1054		11.011348	
13	2	15	84.2	1699		11.480162	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	82.9	1255	1026	0.520536	1
1	2	7	99	1282		1.009705	
2	2	7	93.1	1482		1.389108	
3	3	7	52.7	1767	1195	2.338272	
4	1	7	84.4			2.867385	
5	2	7	64.8	1333		3.222807	
6	2	7	78.8	1981		4.216673	
7	2	7	96.7	1977		4.531522	
8	2	7	86	1121		5.136248	
9	2	7	92.7	1573		5.77636	
10	1	7	74.6			6.669612	
11	3	7	84.9	1907	1303	7.073528	
12	2	7	87.2	1441		7.798781	
13	3	7	72.7	1667	1157	8.487122	
14	3	7	77	1123	1426	9.424223	
15	2	7	51.6	1020		9.935177	
16	2	7	74.2	1189		10.167683	
17	1	7	70.4			11.272903	
18	2	7	93.6	1985		11.705112	

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	72	1141		0.191589	1
1	2	10	93.6	1927		1.148599	
2	2	10	52.1	1554		2.101476	
3	3	10	62.6	1672	1753	2.360249	
4	2	10	83.5	1311		3.102072	
5	3	10	94.2	1311	1007	3.780914	
6	2	10	88.6	1219		4.974403	
7	2	10	71.4	1621		5.852132	
8	1	10	55.7			6.24803	
9	1	10	80.1			6.815089	
10	3	10	88.7	1362	1230	7.581642	
11	2	10	97.4	1422		8.991948	
12	2	10	97.4	1371		9.398438	
13	1	10	61.4			10.118103	
14	2	10	80.8	1926		10.822941	
15	1	10	87			11.488796	

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	10	76.2	1533		0.614588	1
1	2	10	87	1156		1.61239	
2	1	10	85.6			2.46943	
3	2	10	74.2	1608		4.472171	
4	1	10	59.7			5.150014	
5	2	10	56.6	1561		6.828337	
6	2	10	88.6	1101		7.462622	
7	1	10	69.4			9.115227	
8	2	10	74.1	1268		9.915171	
9	2	10	59.7	1025		11.132891	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	82.3	1036		0.439444	1
1	2	8	78.9	1304		1.686154	
2	2	8	73.4	1617		2.341353	
3	2	8	59.6	1565		3.69459	
4	2	8	74.5	1080		4.892404	
5	2	8	62.1	1306		5.261033	
6	2	8	51.5	1211		6.086761	
7	2	8	74.8	1736		7.340927	
8	2	8	62.7	1286		8.784708	
9	2	8	90.3	1233		9.222036	
10	2	8	86.2	1290		10.975677	
11	2	8	57.3	1550		11.373619	

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	64.5	1562		0.978201	1
1	1	16	87.7			1.159454	
2	2	16	83.2	1155		2.574985	
3	2	16	79.7	1653		3.183111	
4	2	16	75.6	1479		4.003796	
5	2	16	79.1	1447		5.869414	
6	1	16	81.8			6.590748	
7	2	16	53.7	1517		7.260137	
8	2	16	69.6	1083		8.113831	
9	2	16	98.8	1465		9.738188	
10	1	16	89.3			10.932723	
11	2	16	90.6	1586		11.269928	

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	6	95.6	1131	1602	0.955245	
1	1	6	96.2			1.406712	
2	1	6	88.1			2.936596	
3	1	6	52.4			4.180831	
4	2	6	62	1793		4.686434	
5	2	6	84.4	1864		5.994383	1
6	1	6	93.8			6.858433	
7	2	6	51.7	1750		8.388788	
8	1	6	60.8			9.258783	
9	1	6	85.6			10.441537	
10	2	6	62.6	1407		11.244318	

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	11	61.6			0.618204	
1	2	11	64.4	1617		0.862201	
2	2	11	94.8	1770		1.53784	
3	3	11	74.6	1979	1806	1.9672	
4	2	11	74.3	1604		3.031423	
5	2	11	74.7	1081		3.608439	
6	3	11	78	1818	1762	4.13605	
7	1	11	75.2			4.579801	
8	3	11	90.5	1749	1966	5.350342	
9	3	11	83.2	1324	1146	5.8968	1
10	1	11	82.3			6.634579	
11	3	11	66.4	1462	1974	7.229898	
12	2	11	51.3	1965		7.616728	
13	2	11	55.5	1594		8.458851	
14	1	11	71.9			8.979943	
15	3	11	75.9	1758	1711	9.633437	
16	3	11	85.5	1767	1602	10.439587	
17	2	11	55.1	1100		11.248564	
18	2	11	55.5	1905		11.418432	

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	10	55.3	1233		0.535793	1
1	1	10	75.5			1.532573	
2	1	10	64.3			2.001716	
3	2	10	57	1768		3.463325	
4	2	10	71.3	1152		4.571472	
5	2	10	62.7	1024		5.404153	
6	3	10	96.4	1519	1347	6.280403	
7	2	10	50.3	1661		7.081835	
8	1	10	96.5			8.234741	
9	2	10	99.7	1277		9.401407	
10	1	10	70.5			10.410939	
11	2	10	65.9	1527		11.634231	

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	71.7			0.472414	1
1	2	8	93.2	1551		1.146896	
2	2	8	67.7	1583		1.597181	
3	2	8	78.6	1475		2.423271	
4	1	8	99.9			3.220624	
5	2	8	84.6	1911		3.460544	
6	2	8	79.7	1414		4.51886	
7	2	8	90.2	1588		4.947039	
8	3	8	67.2	1922	1806	5.881289	
9	2	8	72.1	1926		6.225578	
10	3	8	96.4	1905	1134	7.12077	
11	3	8	59.5	1673	1005	7.412016	
12	2	8	94.4	1456		8.044744	
13	2	8	75.9	1015		8.941851	
14	2	8	58.3	1539		9.484251	
15	2	8	71.3	1675		10.298559	
16	3	8	50.4	1943	1778	11.16781	
17	1	8	90.4			11.471286	

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	61.6			0.268734	1
1	2	7	75	1432		1.021208	
2	2	7	84.4	1016		2.661988	
3	1	7	95.6			2.80486	
4	3	7	87.1	1600	1759	4.382989	
5	2	7	87.7	1696		5.459973	
6	2	7	66.3	1912		5.99271	
7	3	7	68.4	1409	1234	6.763335	
8	1	7	94.6			8.086101	
9	2	7	92.7	1243		9.223113	
10	2	7	76.3	1830		9.732993	
11	2	7	70.6	1567		10.451423	
12	1	7	61.8			11.67359	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	60.8			0.456566	0
1	2	15	94.2	1450		1.007261	
2	2	15	98.3	1586		1.526682	
3	2	15	99.2	1467		2.138385	
4	3	15	83.7	1056	1208	2.718235	
5	1	15	97.3			3.513876	
6	2	15	83.7	1535		4.014547	
7	2	15	79.3	1863		4.603178	
8	2	15	73.9	1316		4.974924	
9	3	15	79.1	1119	1989	5.494098	
10	3	15	73	1775	1734	6.343996	
11	3	15	79.4	1693	1902	6.637653	
12	2	15	97.8	1163		7.367054	
13	2	15	87.9	1514		7.881848	
14	1	15	57.1			8.764995	
15	2	15	63.7	1639		9.435469	
16	2	15	65.1	1203		10.173799	
17	2	15	86.6	1055		10.218302	
18	1	15	72.4			10.946245	
19	2	15	93.6	1309		11.573793	

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	77.2	1585		0.71121	
1	2	12	59.2	1135		1.206014	
2	2	12	60	1390		2.176479	
3	3	12	61.9	1132	1021	3.344848	
4	2	12	65.5	1440		4.208675	1
5	2	12	93.7	1021		4.380396	
6	3	12	71.4	1178	1670	5.520904	
7	2	12	79.2	1605		6.395039	
8	2	12	88.2	1079		7.650576	
9	2	12	60.1	1381		8.452217	
10	3	12	91.3	1388	1184	8.80214	
11	3	12	54.9	1984	1882	9.448117	
12	1	12	52.3			10.409039	
13	3	12	99.2	1853	1706	11.915821	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	68.4	1769	1063	0.016285	
1	2	20	82.7	1898		1.087646	
2	2	20	50.6	1684		1.997805	
3	2	20	52.4	1317		2.937042	
4	3	20	96	1665	1970	4.47717	
5	2	20	50.3	1351		5.133328	
6	1	20	50.9			5.749865	1
7	2	20	92.5	1178		6.906834	
8	2	20	78.6	1628		7.587507	
9	2	20	88.1	1282		8.366514	
10	2	20	81.9	1374		9.394171	
11	1	20	61.9			10.319343	
12	2	20	56.9	1236		11.708614	

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	75.9	1197		0.281051	1
1	2	10	53.7	1478		1.032298	
2	3	10	97.5	1827	1119	1.800479	
3	3	10	88.5	1760	1197	2.060936	
4	2	10	94.9	1095		3.23481	
5	2	10	58.4	1027		3.458552	
6	2	10	73.1	1073		4.101132	
7	2	10	50.4	1730		5.25265	
8	2	10	76.5	1035		5.797879	
9	3	10	56.8	1528	1103	6.41034	
10	3	10	98	1425	1952	7.215476	
11	3	10	94.4	1320	1481	7.824003	
12	1	10	59.8			8.516855	
13	3	10	61	1192	1272	9.27027	
14	2	10	65.9	1945		9.979171	
15	2	10	75.5	1166		10.125981	
16	2	10	62.2	1186		11.292513	
17	2	10	70.4	1277		11.615108	

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	52	1464	1027	0.723171	1
1	3	8	68	1937	1495	1.914559	
2	3	8	75.4	1645	1845	3.248023	
3	3	8	79.8	1190	1584	4.305745	
4	2	8	79	1320		4.907695	
5	1	8	81.1			5.682871	
6	2	8	87.6	1379		6.902206	
7	1	8	70.3			8.49399	
8	2	8	92	1124		8.815692	
9	3	8	50.5	1347	1208	10.062964	
10	2	8	56.6	1137		11.294468	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	58.5	1957		0.540705	1
1	1	11	92.3			1.005668	
2	3	11	83.1	1323	1522	1.762588	
3	2	11	57.8	1291		2.006345	
4	1	11	99.2			2.965511	
5	2	11	65.1	1744		3.624976	
6	2	11	79.9	1023		4.130439	
7	3	11	57.2	1063	1772	5.2204	
8	2	11	60.4	1684		5.954319	
9	1	11	52.6			6.152579	
10	1	11	84.4			6.851941	
11	2	11	66.6	1742		7.919599	
12	1	11	76.3			8.146346	
13	2	11	81.2	1831		9.287967	
14	3	11	62.5	1869	1259	9.584797	
15	3	11	70.5	1572	1352	10.521455	
16	2	11	74.9	1396		11.239376	
17	1	11	78			11.75337	

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	51	1828		0.215069	
1	1	18	88.9			1.0292	
2	1	18	53.9			1.465567	
3	2	18	72.6	1993		2.505115	
4	2	18	75	1127		2.989664	
5	2	18	85	1149		4.206895	
6	3	18	86.9	1337	1191	4.238105	
7	2	18	68	1638		5.051847	
8	2	18	59.1	1857		6.012934	1
9	2	18	85.6	1767		6.669325	
10	2	18	97.6	1113		7.509835	
11	1	18	72.6			8.092353	
12	1	18	87.4			8.848948	
13	2	18	60.3	1164		9.394119	
14	2	18	72.8	1610		10.429588	
15	3	18	78.1	1026	1947	10.917658	
16	1	18	89.7			11.987585	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	73.9	1159		0.560233	1
1	2	12	87.2	1573		1.347151	
2	1	12	81.3			2.907635	
3	2	12	78.8	1932		3.828932	
4	1	12	65.1			4.712582	
5	1	12	75.3			5.733788	
6	3	12	89.2	1120	1435	6.195396	
7	3	12	68.1	1968	1075	7.719886	
8	1	12	89.9			8.278079	
9	2	12	79.8	1873		9.109116	
10	3	12	52	1261	1273	10.305729	
11	2	12	66.8	1596		11.768257	

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	11	93.4			0.244419	1
1	2	11	53.9	1900		0.783076	
2	1	11	56.6			1.45358	
3	2	11	66	1209		2.122098	
4	1	11	89.2			2.670765	
5	2	11	81.1	1701		3.74032	
6	3	11	71.4	1510	1189	4.088488	
7	3	11	66.4	1219	1649	4.812743	
8	2	11	62.1	1596		5.365308	
9	3	11	92.9	1793	1186	5.697592	
10	2	11	93.8	1899		6.515958	
11	3	11	83.1	1928	1577	7.371833	
12	2	11	81.9	1642		7.700015	
13	1	11	97.5			8.228323	
14	2	11	70	1985		9.121441	
15	2	11	50.4	1551		9.569454	
16	3	11	61.6	1351	1848	10.223276	
17	2	11	92.5	1443		11.308031	
18	2	11	60.6	1528		11.64522	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530	9	1	333	1	5531.0, 5277.0, 5322.0, 5356.0, 5263.0, 5343.0, 5634.0, 5288.0, 5566.0, 5260.0, 5461.0, 5353.0, 5424.0, 5312.0, 5339.0, 5662.0, 5275.0, 5519.0, 5690.0, 5439.0, 5367.0, 5371.0, 5346.0, 5396.0, 5258.0, 5369.0, 5698.0, 5560.0, 5398.0, 5415.0, 5460.0, 5414.0, 5294.0, 5570.0, 5721.0, 5385.0, 5517.0, 5643.0, 5596.0, 5289.0, 5453.0, 5688.0, 5562.0, 5675.0, 5422.0, 5454.0, 5427.0, 5373.0, 5651.0, 5576.0, 5378.0, 5257.0, 5693.0, 5501.0, 5465.0, 5550.0, 5404.0, 5374.0, 5355.0, 5293.0, 5708.0, 5324.0, 5568.0, 5483.0, 5432.0, 5540.0, 5450.0, 5497.0, 5645.0, 5670.0, 5270.0, 5457.0, 5537.0, 5328.0, 5709.0, 5488.0, 5679.0, 5266.0, 5381.0, 5635.0, 5428.0, 5508.0, 5464.0, 5314.0, 5599.0, 5259.0, 5429.0, 5286.0, 5583.0, 5359.0, 5411.0, 5331.0, 5490.0, 5434.0, 5451.0, 5518.0, 5337.0, 5557.0, 5706.0, 5561.0 (number of hits: 16)
2	5530	9	1	333	1	5265.0, 5643.0, 5699.0, 5383.0, 5476.0, 5514.0, 5292.0, 5537.0, 5542.0, 5396.0, 5378.0, 5288.0, 5523.0, 5322.0, 5431.0, 5685.0, 5413.0, 5420.0, 5678.0, 5624.0, 5312.0, 5355.0, 5272.0, 5572.0, 5485.0, 5565.0, 5284.0, 5313.0, 5489.0, 5644.0, 5598.0, 5526.0, 5388.0, 5372.0, 5714.0, 5576.0, 5588.0, 5405.0, 5682.0, 5633.0, 5592.0, 5371.0, 5346.0, 5516.0, 5377.0, 5374.0, 5458.0, 5305.0, 5601.0, 5503.0, 5436.0, 5418.0, 5391.0, 5328.0, 5694.0, 5657.0, 5354.0, 5655.0, 5416.0, 5574.0, 5387.0, 5599.0, 5606.0, 5583.0, 5536.0, 5581.0, 5584.0, 5672.0, 5361.0, 5535.0, 5500.0, 5477.0, 5363.0, 5367.0, 5517.0, 5287.0, 5317.0, 5519.0, 5646.0, 5722.0, 5511.0, 5404.0, 5327.0, 5380.0, 5479.0, 5719.0, 5290.0, 5567.0, 5254.0, 5297.0, 5395.0, 5269.0, 5286.0, 5353.0, 5345.0, 5434.0, 5712.0, 5475.0, 5616.0, 5421.0 (number of hits: 15)
3	5530	9	1	333	1	5277.0, 5656.0, 5378.0, 5384.0, 5261.0, 5524.0, 5393.0, 5512.0, 5697.0, 5250.0, 5508.0, 5686.0, 5526.0, 5294.0, 5356.0, 5267.0, 5444.0, 5655.0, 5457.0, 5498.0, 5557.0, 5291.0, 5625.0, 5452.0, 5587.0, 5670.0, 5386.0, 5262.0, 5442.0, 5461.0, 5380.0, 5279.0, 5406.0, 5713.0, 5538.0, 5428.0, 5668.0, 5382.0, 5529.0, 5503.0, 5690.0, 5465.0, 5627.0, 5354.0, 5517.0, 5617.0, 5612.0, 5549.0, 5715.0, 5714.0, 5641.0, 5405.0, 5610.0, 5613.0, 5423.0, 5532.0, 5522.0, 5473.0, 5638.0, 5469.0, 5491.0, 5642.0, 5400.0, 5427.0, 5630.0, 5525.0, 5540.0, 5619.0, 5430.0, 5608.0,

						5679.0, 5659.0, 5657.0, 5651.0, 5539.0, 5592.0, 5317.0, 5509.0, 5367.0, 5701.0, 5721.0, 5285.0, 5374.0, 5391.0, 5575.0, 5515.0, 5494.0, 5448.0, 5278.0, 5421.0, 5621.0, 5691.0, 5579.0, 5377.0, 5687.0, 5490.0, 5270.0, 5265.0, 5381.0, 5660.0 (number of hits: 20)
4	5530	9	1	333	1	5617.0, 5300.0, 5372.0, 5640.0, 5645.0, 5254.0, 5339.0, 5387.0, 5267.0, 5582.0, 5544.0, 5533.0, 5563.0, 5293.0, 5403.0, 5657.0, 5602.0, 5472.0, 5619.0, 5388.0, 5609.0, 5610.0, 5285.0, 5611.0, 5604.0, 5484.0, 5637.0, 5615.0, 5380.0, 5265.0, 5382.0, 5708.0, 5331.0, 5490.0, 5294.0, 5684.0, 5518.0, 5545.0, 5313.0, 5402.0, 5366.0, 5573.0, 5621.0, 5676.0, 5330.0, 5360.0, 5513.0, 5416.0, 5252.0, 5722.0, 5493.0, 5409.0, 5460.0, 5710.0, 5461.0, 5622.0, 5377.0, 5292.0, 5270.0, 5370.0, 5554.0, 5618.0, 5522.0, 5338.0, 5494.0, 5528.0, 5570.0, 5692.0, 5632.0, 5394.0, 5627.0, 5636.0, 5691.0, 5589.0, 5555.0, 5639.0, 5407.0, 5405.0, 5435.0, 5325.0, 5337.0, 5283.0, 5631.0, 5289.0, 5333.0, 5295.0, 5266.0, 5321.0, 5714.0, 5259.0, 5502.0, 5629.0, 5612.0, 5626.0, 5505.0, 5462.0, 5412.0, 5433.0, 5548.0, 5572.0 (number of hits: 15)
5	5530	9	1	333	1	5431.0, 5494.0, 5411.0, 5500.0, 5342.0, 5637.0, 5332.0, 5314.0, 5473.0, 5309.0, 5267.0, 5688.0, 5280.0, 5418.0, 5707.0, 5636.0, 5487.0, 5359.0, 5278.0, 5305.0, 5380.0, 5630.0, 5606.0, 5501.0, 5581.0, 5470.0, 5676.0, 5379.0, 5506.0, 5336.0, 5523.0, 5659.0, 5560.0, 5327.0, 5576.0, 5545.0, 5673.0, 5466.0, 5573.0, 5355.0, 5669.0, 5693.0, 5446.0, 5571.0, 5704.0, 5485.0, 5329.0, 5544.0, 5382.0, 5344.0, 5323.0, 5460.0, 5370.0, 5274.0, 5313.0, 5317.0, 5269.0, 5677.0, 5400.0, 5588.0, 5512.0, 5308.0, 5434.0, 5406.0, 5665.0, 5654.0, 5268.0, 5564.0, 5657.0, 5464.0, 5399.0, 5709.0, 5631.0, 5339.0, 5504.0, 5430.0, 5340.0, 5623.0, 5289.0, 5254.0, 5395.0, 5252.0, 5334.0, 5670.0, 5428.0, 5643.0, 5265.0, 5311.0, 5563.0, 5556.0, 5335.0, 5639.0, 5604.0, 5330.0, 5697.0, 5548.0, 5720.0, 5351.0, 5558.0, 5398.0 (number of hits: 15)
6	5530	9	1	333	1	5605.0, 5712.0, 5462.0, 5707.0, 5512.0, 5615.0, 5261.0, 5328.0, 5383.0, 5495.0, 5488.0, 5259.0, 5623.0, 5704.0, 5567.0, 5408.0, 5530.0, 5633.0, 5552.0, 5397.0, 5298.0, 5500.0, 5649.0, 5553.0, 5341.0, 5644.0, 5696.0, 5706.0, 5265.0, 5485.0, 5681.0, 5504.0, 5698.0, 5613.0, 5430.0, 5520.0, 5652.0, 5479.0, 5499.0, 5319.0, 5527.0, 5400.0, 5291.0, 5309.0, 5676.0, 5588.0, 5257.0, 5708.0, 5415.0, 5256.0, 5673.0, 5453.0, 5260.0, 5632.0, 5331.0, 5660.0, 5686.0, 5330.0, 5484.0, 5311.0, 5629.0, 5695.0, 5392.0, 5653.0, 5557.0,

						5718.0, 5690.0, 5496.0, 5315.0, 5551.0, 5426.0, 5663.0, 5454.0, 5394.0, 5370.0, 5587.0, 5325.0, 5371.0, 5489.0, 5320.0, 5419.0, 5513.0, 5463.0, 5422.0, 5416.0, 5448.0, 5519.0, 5286.0, 5333.0, 5581.0, 5648.0, 5509.0, 5724.0, 5528.0, 5641.0, 5669.0, 5604.0, 5699.0, 5308.0, 5275.0 (number of hits: 18)
7	5530	9	1	333	1	5373.0, 5353.0, 5677.0, 5279.0, 5589.0, 5706.0, 5316.0, 5570.0, 5386.0, 5568.0, 5534.0, 5514.0, 5280.0, 5370.0, 5345.0, 5564.0, 5264.0, 5659.0, 5289.0, 5641.0, 5580.0, 5325.0, 5398.0, 5715.0, 5627.0, 5707.0, 5710.0, 5565.0, 5356.0, 5497.0, 5600.0, 5525.0, 5357.0, 5669.0, 5278.0, 5277.0, 5518.0, 5637.0, 5430.0, 5631.0, 5290.0, 5338.0, 5648.0, 5552.0, 5254.0, 5562.0, 5506.0, 5712.0, 5440.0, 5606.0, 5456.0, 5457.0, 5588.0, 5674.0, 5533.0, 5408.0, 5453.0, 5523.0, 5446.0, 5591.0, 5455.0, 5541.0, 5644.0, 5530.0, 5460.0, 5582.0, 5420.0, 5314.0, 5626.0, 5698.0, 5664.0, 5623.0, 5285.0, 5369.0, 5363.0, 5655.0, 5590.0, 5504.0, 5638.0, 5667.0, 5346.0, 5554.0, 5419.0, 5586.0, 5283.0, 5318.0, 5480.0, 5538.0, 5695.0, 5257.0, 5303.0, 5311.0, 5540.0, 5572.0, 5414.0, 5486.0, 5546.0, 5503.0, 5306.0, 5313.0 (number of hits: 21)
8	5530	9	1	333	1	5323.0, 5339.0, 5263.0, 5684.0, 5470.0, 5514.0, 5567.0, 5439.0, 5709.0, 5526.0, 5494.0, 5707.0, 5460.0, 5474.0, 5319.0, 5652.0, 5358.0, 5459.0, 5478.0, 5551.0, 5638.0, 5647.0, 5415.0, 5346.0, 5613.0, 5720.0, 5696.0, 5363.0, 5262.0, 5578.0, 5316.0, 5382.0, 5507.0, 5688.0, 5303.0, 5601.0, 5367.0, 5400.0, 5447.0, 5420.0, 5668.0, 5347.0, 5713.0, 5283.0, 5492.0, 5671.0, 5419.0, 5659.0, 5287.0, 5452.0, 5450.0, 5451.0, 5401.0, 5313.0, 5293.0, 5427.0, 5423.0, 5605.0, 5570.0, 5564.0, 5372.0, 5417.0, 5275.0, 5559.0, 5553.0, 5277.0, 5284.0, 5265.0, 5421.0, 5276.0, 5334.0, 5660.0, 5254.0, 5546.0, 5300.0, 5465.0, 5338.0, 5679.0, 5575.0, 5544.0, 5310.0, 5252.0, 5395.0, 5396.0, 5261.0, 5320.0, 5365.0, 5328.0, 5475.0, 5461.0, 5714.0, 5563.0, 5288.0, 5704.0, 5389.0, 5314.0, 5591.0, 5498.0, 5595.0, 5513.0 (number of hits: 15)
9	5530	9	1	333	1	5487.0, 5575.0, 5427.0, 5720.0, 5361.0, 5589.0, 5328.0, 5689.0, 5252.0, 5381.0, 5306.0, 5465.0, 5428.0, 5284.0, 5622.0, 5684.0, 5529.0, 5411.0, 5357.0, 5495.0, 5383.0, 5335.0, 5598.0, 5255.0, 5316.0, 5637.0, 5319.0, 5471.0, 5419.0, 5278.0, 5556.0, 5462.0, 5327.0, 5676.0, 5687.0, 5253.0, 5380.0, 5500.0, 5711.0, 5644.0, 5619.0, 5360.0, 5468.0, 5309.0, 5698.0, 5708.0, 5621.0, 5286.0, 5537.0, 5502.0, 5693.0, 5432.0, 5317.0, 5648.0, 5408.0, 5444.0, 5551.0, 5265.0, 5442.0, 5406.0,

						5336.0, 5528.0, 5424.0, 5426.0, 5358.0, 5277.0, 5271.0, 5719.0, 5646.0, 5586.0, 5515.0, 5308.0, 5409.0, 5460.0, 5679.0, 5656.0, 5485.0, 5401.0, 5290.0, 5641.0, 5443.0, 5519.0, 5639.0, 5280.0, 5394.0, 5481.0, 5356.0, 5533.0, 5493.0, 5527.0, 5602.0, 5385.0, 5482.0, 5685.0, 5577.0, 5478.0, 5458.0, 5325.0, 5658.0, 5520.0 (number of hits: 14)
10	5530	9	1	333	1	5578.0, 5449.0, 5259.0, 5655.0, 5509.0, 5524.0, 5722.0, 5470.0, 5262.0, 5276.0, 5618.0, 5700.0, 5476.0, 5715.0, 5382.0, 5613.0, 5446.0, 5523.0, 5657.0, 5264.0, 5591.0, 5464.0, 5676.0, 5316.0, 5463.0, 5680.0, 5334.0, 5278.0, 5609.0, 5506.0, 5696.0, 5673.0, 5510.0, 5345.0, 5496.0, 5531.0, 5660.0, 5277.0, 5500.0, 5256.0, 5599.0, 5253.0, 5586.0, 5622.0, 5639.0, 5504.0, 5330.0, 5546.0, 5698.0, 5517.0, 5423.0, 5385.0, 5600.0, 5503.0, 5424.0, 5311.0, 5603.0, 5541.0, 5323.0, 5408.0, 5653.0, 5624.0, 5502.0, 5671.0, 5444.0, 5452.0, 5459.0, 5646.0, 5544.0, 5691.0, 5561.0, 5315.0, 5623.0, 5272.0, 5491.0, 5351.0, 5631.0, 5530.0, 5448.0, 5372.0, 5564.0, 5305.0, 5558.0, 5281.0, 5392.0, 5269.0, 5521.0, 5508.0, 5308.0, 5630.0, 5499.0, 5357.0, 5593.0, 5310.0, 5307.0, 5280.0, 5412.0, 5534.0, 5575.0, 5413.0 (number of hits: 24)
11	5530	9	1	333	1	5383.0, 5342.0, 5442.0, 5496.0, 5715.0, 5459.0, 5666.0, 5460.0, 5377.0, 5561.0, 5593.0, 5371.0, 5705.0, 5567.0, 5527.0, 5329.0, 5347.0, 5600.0, 5256.0, 5414.0, 5257.0, 5323.0, 5487.0, 5271.0, 5698.0, 5509.0, 5292.0, 5700.0, 5305.0, 5655.0, 5259.0, 5653.0, 5432.0, 5486.0, 5618.0, 5661.0, 5664.0, 5724.0, 5475.0, 5478.0, 5299.0, 5482.0, 5644.0, 5344.0, 5261.0, 5466.0, 5590.0, 5440.0, 5575.0, 5264.0, 5572.0, 5322.0, 5291.0, 5579.0, 5611.0, 5339.0, 5510.0, 5341.0, 5420.0, 5370.0, 5336.0, 5678.0, 5637.0, 5348.0, 5389.0, 5548.0, 5489.0, 5356.0, 5310.0, 5576.0, 5717.0, 5396.0, 5430.0, 5686.0, 5385.0, 5258.0, 5596.0, 5538.0, 5654.0, 5565.0, 5663.0, 5628.0, 5648.0, 5267.0, 5255.0, 5406.0, 5612.0, 5450.0, 5610.0, 5461.0, 5357.0, 5403.0, 5408.0, 5623.0, 5470.0, 5283.0, 5501.0, 5445.0, 5464.0, 5405.0 (number of hits: 10)
12	5530	9	1	333	1	5436.0, 5342.0, 5551.0, 5697.0, 5612.0, 5597.0, 5482.0, 5254.0, 5391.0, 5492.0, 5339.0, 5419.0, 5591.0, 5679.0, 5366.0, 5324.0, 5570.0, 5277.0, 5596.0, 5542.0, 5509.0, 5428.0, 5548.0, 5565.0, 5651.0, 5440.0, 5519.0, 5647.0, 5699.0, 5397.0, 5675.0, 5439.0, 5502.0, 5393.0, 5501.0, 5500.0, 5554.0, 5303.0, 5622.0, 5283.0, 5587.0, 5404.0, 5633.0, 5332.0, 5424.0, 5557.0, 5541.0, 5357.0, 5508.0, 5654.0, 5601.0, 5285.0, 5652.0, 5360.0, 5464.0,

						5395.0, 5347.0, 5518.0, 5363.0, 5608.0, 5437.0, 5301.0, 5632.0, 5530.0, 5690.0, 5460.0, 5599.0, 5634.0, 5648.0, 5270.0, 5441.0, 5495.0, 5563.0, 5555.0, 5353.0, 5450.0, 5488.0, 5351.0, 5667.0, 5713.0, 5445.0, 5418.0, 5308.0, 5348.0, 5584.0, 5721.0, 5491.0, 5368.0, 5484.0, 5306.0, 5537.0, 5504.0, 5686.0, 5466.0, 5299.0, 5471.0, 5278.0, 5477.0, 5535.0, 5520.0 (number of hits: 24)
13	5530	9	1	333	1	5265.0, 5507.0, 5646.0, 5389.0, 5694.0, 5720.0, 5592.0, 5678.0, 5574.0, 5642.0, 5542.0, 5683.0, 5618.0, 5393.0, 5381.0, 5595.0, 5380.0, 5337.0, 5609.0, 5520.0, 5363.0, 5435.0, 5624.0, 5559.0, 5598.0, 5250.0, 5517.0, 5607.0, 5561.0, 5408.0, 5571.0, 5338.0, 5375.0, 5469.0, 5317.0, 5400.0, 5462.0, 5293.0, 5316.0, 5328.0, 5278.0, 5540.0, 5662.0, 5428.0, 5383.0, 5578.0, 5494.0, 5399.0, 5315.0, 5484.0, 5600.0, 5670.0, 5603.0, 5641.0, 5347.0, 5348.0, 5361.0, 5554.0, 5518.0, 5513.0, 5589.0, 5298.0, 5490.0, 5705.0, 5463.0, 5413.0, 5523.0, 5668.0, 5323.0, 5654.0, 5371.0, 5479.0, 5294.0, 5438.0, 5547.0, 5639.0, 5360.0, 5295.0, 5443.0, 5541.0, 5529.0, 5510.0, 5651.0, 5354.0, 5448.0, 5672.0, 5712.0, 5309.0, 5467.0, 5497.0, 5341.0, 5711.0, 5325.0, 5431.0, 5461.0, 5602.0, 5629.0, 5357.0, 5622.0, 5425.0 (number of hits: 17)
14	5530	9	1	333	1	5481.0, 5299.0, 5572.0, 5643.0, 5580.0, 5476.0, 5521.0, 5489.0, 5544.0, 5575.0, 5300.0, 5550.0, 5540.0, 5250.0, 5646.0, 5342.0, 5549.0, 5619.0, 5645.0, 5413.0, 5629.0, 5569.0, 5556.0, 5338.0, 5697.0, 5491.0, 5424.0, 5401.0, 5302.0, 5320.0, 5703.0, 5381.0, 5574.0, 5548.0, 5564.0, 5681.0, 5441.0, 5284.0, 5439.0, 5663.0, 5709.0, 5436.0, 5307.0, 5563.0, 5374.0, 5406.0, 5494.0, 5351.0, 5419.0, 5315.0, 5546.0, 5460.0, 5457.0, 5671.0, 5636.0, 5585.0, 5258.0, 5660.0, 5341.0, 5452.0, 5466.0, 5361.0, 5354.0, 5668.0, 5486.0, 5520.0, 5282.0, 5340.0, 5576.0, 5321.0, 5471.0, 5614.0, 5394.0, 5330.0, 5495.0, 5454.0, 5553.0, 5291.0, 5355.0, 5611.0, 5303.0, 5627.0, 5592.0, 5326.0, 5498.0, 5447.0, 5527.0, 5566.0, 5397.0, 5692.0, 5603.0, 5384.0, 5280.0, 5488.0, 5417.0, 5647.0, 5557.0, 5565.0, 5508.0, 5411.0 (number of hits: 21)
15	5530	9	1	333	1	5593.0, 5544.0, 5363.0, 5667.0, 5285.0, 5570.0, 5266.0, 5567.0, 5508.0, 5400.0, 5620.0, 5298.0, 5661.0, 5319.0, 5539.0, 5568.0, 5495.0, 5605.0, 5699.0, 5554.0, 5678.0, 5465.0, 5626.0, 5253.0, 5398.0, 5702.0, 5559.0, 5273.0, 5374.0, 5640.0, 5475.0, 5672.0, 5336.0, 5315.0, 5359.0, 5418.0, 5506.0, 5265.0, 5581.0, 5329.0, 5413.0, 5378.0, 5267.0, 5289.0, 5534.0, 5307.0, 5301.0, 5432.0, 5279.0, 5695.0,

						5589.0, 5257.0, 5450.0, 5690.0, 5427.0, 5485.0, 5278.0, 5373.0, 5723.0, 5483.0, 5709.0, 5426.0, 5624.0, 5437.0, 5715.0, 5681.0, 5596.0, 5582.0, 5720.0, 5397.0, 5414.0, 5490.0, 5420.0, 5721.0, 5514.0, 5460.0, 5687.0, 5433.0, 5498.0, 5603.0, 5529.0, 5501.0, 5595.0, 5692.0, 5347.0, 5294.0, 5287.0, 5331.0, 5629.0, 5457.0, 5547.0, 5466.0, 5659.0, 5541.0, 5662.0, 5579.0, 5693.0, 5478.0, 5556.0, 5630.0 (number of hits: 17)
16	5530	9	1	333	1	5680.0, 5582.0, 5434.0, 5644.0, 5390.0, 5592.0, 5649.0, 5588.0, 5554.0, 5654.0, 5497.0, 5616.0, 5453.0, 5273.0, 5599.0, 5360.0, 5356.0, 5305.0, 5594.0, 5381.0, 5443.0, 5495.0, 5605.0, 5672.0, 5687.0, 5653.0, 5656.0, 5293.0, 5319.0, 5614.0, 5617.0, 5575.0, 5626.0, 5660.0, 5580.0, 5276.0, 5413.0, 5452.0, 5338.0, 5647.0, 5703.0, 5596.0, 5683.0, 5643.0, 5711.0, 5297.0, 5625.0, 5260.0, 5671.0, 5472.0, 5290.0, 5531.0, 5291.0, 5278.0, 5377.0, 5282.0, 5279.0, 5600.0, 5274.0, 5457.0, 5585.0, 5642.0, 5285.0, 5375.0, 5552.0, 5263.0, 5631.0, 5521.0, 5686.0, 5420.0, 5607.0, 5587.0, 5331.0, 5602.0, 5446.0, 5427.0, 5447.0, 5641.0, 5298.0, 5415.0, 5520.0, 5435.0, 5372.0, 5586.0, 5570.0, 5485.0, 5560.0, 5496.0, 5253.0, 5317.0, 5697.0, 5329.0, 5408.0, 5343.0, 5391.0, 5708.0, 5269.0, 5566.0, 5659.0, 5715.0 (number of hits: 10)
17	5530	9	1	333	1	5482.0, 5374.0, 5631.0, 5462.0, 5391.0, 5323.0, 5630.0, 5403.0, 5337.0, 5433.0, 5573.0, 5257.0, 5471.0, 5552.0, 5496.0, 5615.0, 5288.0, 5480.0, 5609.0, 5524.0, 5346.0, 5563.0, 5254.0, 5431.0, 5666.0, 5672.0, 5578.0, 5674.0, 5628.0, 5556.0, 5345.0, 5572.0, 5309.0, 5322.0, 5378.0, 5637.0, 5411.0, 5383.0, 5685.0, 5550.0, 5663.0, 5356.0, 5587.0, 5649.0, 5253.0, 5558.0, 5467.0, 5393.0, 5407.0, 5645.0, 5412.0, 5335.0, 5297.0, 5622.0, 5440.0, 5604.0, 5329.0, 5338.0, 5706.0, 5643.0, 5386.0, 5308.0, 5321.0, 5421.0, 5380.0, 5290.0, 5623.0, 5680.0, 5536.0, 5416.0, 5568.0, 5479.0, 5600.0, 5453.0, 5713.0, 5417.0, 5351.0, 5565.0, 5265.0, 5410.0, 5353.0, 5567.0, 5267.0, 5304.0, 5526.0, 5463.0, 5317.0, 5302.0, 5634.0, 5597.0, 5292.0, 5620.0, 5474.0, 5529.0, 5354.0, 5287.0, 5648.0, 5683.0, 5510.0, 5606.0 (number of hits: 14)
18	5530	9	1	333	1	5623.0, 5491.0, 5353.0, 5695.0, 5352.0, 5576.0, 5329.0, 5605.0, 5693.0, 5412.0, 5701.0, 5326.0, 5437.0, 5534.0, 5655.0, 5669.0, 5540.0, 5378.0, 5418.0, 5507.0, 5674.0, 5297.0, 5399.0, 5711.0, 5677.0, 5366.0, 5384.0, 5567.0, 5486.0, 5305.0, 5416.0, 5559.0, 5636.0, 5407.0, 5721.0, 5496.0, 5613.0, 5720.0, 5488.0, 5464.0, 5312.0, 5473.0, 5689.0, 5633.0, 5667.0,

						5558.0, 5331.0, 5401.0, 5671.0, 5317.0, 5696.0, 5645.0, 5593.0, 5367.0, 5432.0, 5314.0, 5500.0, 5460.0, 5640.0, 5588.0, 5402.0, 5504.0, 5433.0, 5481.0, 5446.0, 5571.0, 5515.0, 5427.0, 5436.0, 5485.0, 5264.0, 5497.0, 5569.0, 5301.0, 5380.0, 5687.0, 5663.0, 5685.0, 5472.0, 5498.0, 5713.0, 5347.0, 5528.0, 5641.0, 5683.0, 5611.0, 5307.0, 5381.0, 5390.0, 5511.0, 5440.0, 5398.0, 5304.0, 5302.0, 5448.0, 5676.0, 5529.0, 5454.0, 5295.0, 5334.0 (number of hits: 16)
19	5530	9	1	333	1	5314.0, 5364.0, 5624.0, 5509.0, 5542.0, 5502.0, 5455.0, 5717.0, 5402.0, 5503.0, 5601.0, 5449.0, 5299.0, 5411.0, 5691.0, 5415.0, 5459.0, 5460.0, 5526.0, 5370.0, 5448.0, 5445.0, 5617.0, 5723.0, 5373.0, 5306.0, 5432.0, 5550.0, 5576.0, 5251.0, 5652.0, 5606.0, 5501.0, 5387.0, 5294.0, 5261.0, 5381.0, 5674.0, 5486.0, 5514.0, 5264.0, 5684.0, 5593.0, 5484.0, 5313.0, 5393.0, 5637.0, 5499.0, 5450.0, 5457.0, 5511.0, 5631.0, 5649.0, 5341.0, 5710.0, 5671.0, 5538.0, 5329.0, 5443.0, 5377.0, 5596.0, 5361.0, 5650.0, 5688.0, 5713.0, 5309.0, 5540.0, 5549.0, 5627.0, 5541.0, 5621.0, 5579.0, 5564.0, 5350.0, 5623.0, 5401.0, 5490.0, 5471.0, 5534.0, 5335.0, 5413.0, 5323.0, 5440.0, 5516.0, 5489.0, 5260.0, 5303.0, 5668.0, 5302.0, 5488.0, 5417.0, 5629.0, 5250.0, 5290.0, 5255.0, 5256.0, 5555.0, 5590.0, 5369.0, 5545.0 (number of hits: 19)
20	5530	9	1	333	1	5285.0, 5386.0, 5346.0, 5675.0, 5691.0, 5337.0, 5681.0, 5547.0, 5357.0, 5651.0, 5586.0, 5351.0, 5344.0, 5623.0, 5260.0, 5417.0, 5498.0, 5438.0, 5446.0, 5456.0, 5574.0, 5560.0, 5258.0, 5301.0, 5377.0, 5696.0, 5265.0, 5294.0, 5589.0, 5322.0, 5513.0, 5272.0, 5368.0, 5269.0, 5466.0, 5628.0, 5382.0, 5631.0, 5336.0, 5501.0, 5455.0, 5630.0, 5362.0, 5268.0, 5539.0, 5497.0, 5522.0, 5680.0, 5320.0, 5637.0, 5403.0, 5473.0, 5350.0, 5277.0, 5487.0, 5407.0, 5508.0, 5711.0, 5393.0, 5306.0, 5521.0, 5349.0, 5607.0, 5418.0, 5583.0, 5481.0, 5615.0, 5640.0, 5677.0, 5536.0, 5706.0, 5251.0, 5638.0, 5467.0, 5714.0, 5440.0, 5283.0, 5416.0, 5433.0, 5477.0, 5458.0, 5436.0, 5288.0, 5476.0, 5303.0, 5254.0, 5672.0, 5461.0, 5314.0, 5576.0, 5252.0, 5485.0, 5515.0, 5502.0, 5679.0, 5554.0, 5721.0, 5425.0, 5526.0, 5460.0 (number of hits: 15)
21	5530	9	1	333	1	5361.0, 5364.0, 5439.0, 5477.0, 5544.0, 5431.0, 5664.0, 5387.0, 5562.0, 5595.0, 5503.0, 5448.0, 5698.0, 5522.0, 5622.0, 5420.0, 5284.0, 5502.0, 5460.0, 5273.0, 5437.0, 5604.0, 5380.0, 5670.0, 5476.0, 5322.0, 5447.0, 5507.0, 5323.0, 5393.0, 5266.0, 5418.0, 5708.0, 5576.0, 5720.0, 5484.0, 5593.0, 5403.0, 5572.0, 5421.0,

						5514.0, 5327.0, 5389.0, 5509.0, 5712.0, 5641.0, 5297.0, 5494.0, 5578.0, 5521.0, 5645.0, 5318.0, 5414.0, 5492.0, 5289.0, 5282.0, 5659.0, 5667.0, 5483.0, 5384.0, 5582.0, 5653.0, 5325.0, 5614.0, 5444.0, 5250.0, 5610.0, 5685.0, 5559.0, 5673.0, 5422.0, 5545.0, 5290.0, 5474.0, 5517.0, 5300.0, 5671.0, 5462.0, 5566.0, 5643.0, 5451.0, 5348.0, 5399.0, 5430.0, 5402.0, 5629.0, 5537.0, 5647.0, 5265.0, 5639.0, 5560.0, 5378.0, 5570.0, 5615.0, 5681.0, 5429.0, 5259.0, 5540.0, 5417.0, 5581.0 (number of hits: 18)
22	5530	9	1	333	1	5683.0, 5463.0, 5329.0, 5713.0, 5715.0, 5435.0, 5337.0, 5636.0, 5292.0, 5452.0, 5386.0, 5518.0, 5461.0, 5369.0, 5291.0, 5251.0, 5648.0, 5354.0, 5674.0, 5659.0, 5498.0, 5538.0, 5416.0, 5419.0, 5509.0, 5579.0, 5623.0, 5399.0, 5716.0, 5583.0, 5700.0, 5402.0, 5667.0, 5645.0, 5587.0, 5650.0, 5719.0, 5684.0, 5334.0, 5520.0, 5540.0, 5398.0, 5472.0, 5434.0, 5672.0, 5649.0, 5331.0, 5675.0, 5297.0, 5442.0, 5698.0, 5542.0, 5677.0, 5553.0, 5693.0, 5630.0, 5537.0, 5626.0, 5428.0, 5588.0, 5654.0, 5566.0, 5392.0, 5265.0, 5632.0, 5346.0, 5283.0, 5584.0, 5405.0, 5350.0, 5309.0, 5413.0, 5669.0, 5323.0, 5264.0, 5613.0, 5562.0, 5678.0, 5534.0, 5708.0, 5431.0, 5302.0, 5272.0, 5642.0, 5531.0, 5594.0, 5547.0, 5475.0, 5705.0, 5486.0, 5521.0, 5501.0, 5721.0, 5266.0, 5359.0, 5441.0, 5438.0, 5301.0, 5347.0, 5345.0 (number of hits: 16)
23	5530	9	1	333	1	5493.0, 5347.0, 5682.0, 5329.0, 5435.0, 5532.0, 5676.0, 5328.0, 5472.0, 5681.0, 5460.0, 5398.0, 5251.0, 5719.0, 5440.0, 5419.0, 5718.0, 5593.0, 5377.0, 5596.0, 5498.0, 5325.0, 5468.0, 5263.0, 5438.0, 5572.0, 5420.0, 5467.0, 5588.0, 5298.0, 5511.0, 5599.0, 5497.0, 5587.0, 5492.0, 5710.0, 5544.0, 5363.0, 5289.0, 5520.0, 5482.0, 5351.0, 5304.0, 5594.0, 5524.0, 5644.0, 5293.0, 5503.0, 5692.0, 5359.0, 5385.0, 5366.0, 5269.0, 5430.0, 5404.0, 5415.0, 5649.0, 5322.0, 5709.0, 5614.0, 5523.0, 5712.0, 5592.0, 5451.0, 5392.0, 5496.0, 5620.0, 5412.0, 5332.0, 5444.0, 5636.0, 5276.0, 5413.0, 5374.0, 5548.0, 5348.0, 5458.0, 5628.0, 5531.0, 5382.0, 5708.0, 5396.0, 5637.0, 5407.0, 5688.0, 5494.0, 5490.0, 5457.0, 5633.0, 5268.0, 5716.0, 5274.0, 5320.0, 5525.0, 5693.0, 5722.0, 5428.0, 5507.0, 5288.0, 5629.0 (number of hits: 17)
24	5530	9	1	333	1	5301.0, 5711.0, 5429.0, 5578.0, 5641.0, 5629.0, 5647.0, 5712.0, 5370.0, 5335.0, 5621.0, 5339.0, 5484.0, 5539.0, 5360.0, 5499.0, 5589.0, 5715.0, 5666.0, 5287.0, 5669.0, 5438.0, 5397.0, 5509.0, 5576.0, 5389.0, 5366.0, 5638.0, 5372.0, 5643.0, 5535.0, 5364.0, 5716.0, 5483.0, 5626.0,

						5639.0, 5551.0, 5458.0, 5704.0, 5359.0, 5672.0, 5277.0, 5408.0, 5676.0, 5258.0, 5635.0, 5546.0, 5428.0, 5348.0, 5337.0, 5655.0, 5534.0, 5299.0, 5378.0, 5654.0, 5330.0, 5659.0, 5624.0, 5414.0, 5696.0, 5593.0, 5575.0, 5634.0, 5613.0, 5537.0, 5468.0, 5693.0, 5555.0, 5557.0, 5270.0, 5723.0, 5259.0, 5390.0, 5454.0, 5605.0, 5356.0, 5448.0, 5453.0, 5580.0, 5667.0, 5253.0, 5466.0, 5336.0, 5431.0, 5251.0, 5477.0, 5671.0, 5407.0, 5560.0, 5383.0, 5263.0, 5540.0, 5419.0, 5444.0, 5373.0, 5581.0, 5427.0, 5310.0, 5400.0, 5333.0 (number of hits: 12)
25	5530	9	1	333	1	5656.0, 5255.0, 5396.0, 5371.0, 5412.0, 5266.0, 5620.0, 5537.0, 5342.0, 5628.0, 5440.0, 5316.0, 5549.0, 5530.0, 5491.0, 5642.0, 5473.0, 5293.0, 5381.0, 5652.0, 5376.0, 5675.0, 5276.0, 5307.0, 5632.0, 5375.0, 5640.0, 5581.0, 5641.0, 5718.0, 5599.0, 5267.0, 5359.0, 5317.0, 5261.0, 5569.0, 5572.0, 5465.0, 5365.0, 5265.0, 5709.0, 5519.0, 5543.0, 5544.0, 5463.0, 5358.0, 5300.0, 5671.0, 5467.0, 5415.0, 5446.0, 5286.0, 5357.0, 5438.0, 5578.0, 5710.0, 5320.0, 5548.0, 5366.0, 5367.0, 5333.0, 5580.0, 5264.0, 5512.0, 5384.0, 5648.0, 5627.0, 5310.0, 5646.0, 5616.0, 5393.0, 5280.0, 5444.0, 5301.0, 5668.0, 5378.0, 5607.0, 5681.0, 5570.0, 5619.0, 5373.0, 5275.0, 5605.0, 5526.0, 5631.0, 5294.0, 5591.0, 5302.0, 5386.0, 5522.0, 5441.0, 5391.0, 5716.0, 5470.0, 5497.0, 5418.0, 5430.0, 5700.0, 5561.0, 5532.0 (number of hits: 14)
26	5530	9	1	333	1	5270.0, 5439.0, 5527.0, 5612.0, 5485.0, 5590.0, 5563.0, 5288.0, 5688.0, 5568.0, 5571.0, 5337.0, 5561.0, 5413.0, 5617.0, 5421.0, 5318.0, 5368.0, 5425.0, 5671.0, 5362.0, 5667.0, 5277.0, 5445.0, 5323.0, 5390.0, 5333.0, 5325.0, 5679.0, 5536.0, 5293.0, 5319.0, 5476.0, 5619.0, 5665.0, 5345.0, 5343.0, 5674.0, 5400.0, 5453.0, 5305.0, 5534.0, 5486.0, 5570.0, 5484.0, 5603.0, 5698.0, 5461.0, 5518.0, 5419.0, 5342.0, 5379.0, 5623.0, 5383.0, 5649.0, 5257.0, 5464.0, 5662.0, 5451.0, 5360.0, 5375.0, 5714.0, 5560.0, 5372.0, 5531.0, 5523.0, 5711.0, 5678.0, 5378.0, 5517.0, 5593.0, 5473.0, 5596.0, 5371.0, 5684.0, 5675.0, 5423.0, 5699.0, 5322.0, 5283.0, 5422.0, 5452.0, 5683.0, 5670.0, 5544.0, 5296.0, 5364.0, 5491.0, 5654.0, 5418.0, 5532.0, 5633.0, 5587.0, 5707.0, 5324.0, 5267.0, 5317.0, 5401.0, 5494.0, 5382.0 (number of hits: 15)
27	5530	9	1	333	1	5516.0, 5424.0, 5399.0, 5554.0, 5367.0, 5556.0, 5552.0, 5688.0, 5356.0, 5542.0, 5480.0, 5530.0, 5460.0, 5312.0, 5473.0, 5666.0, 5294.0, 5568.0, 5431.0, 5455.0, 5485.0, 5683.0, 5722.0, 5433.0, 5252.0, 5419.0, 5411.0, 5496.0, 5310.0, 5537.0,

						5639.0, 5370.0, 5288.0, 5513.0, 5640.0, 5545.0, 5262.0, 5334.0, 5425.0, 5717.0, 5287.0, 5594.0, 5709.0, 5336.0, 5543.0, 5596.0, 5413.0, 5719.0, 5521.0, 5441.0, 5656.0, 5448.0, 5671.0, 5502.0, 5534.0, 5340.0, 5392.0, 5638.0, 5313.0, 5401.0, 5304.0, 5601.0, 5438.0, 5541.0, 5695.0, 5385.0, 5409.0, 5590.0, 5532.0, 5715.0, 5319.0, 5664.0, 5397.0, 5263.0, 5308.0, 5295.0, 5361.0, 5511.0, 5517.0, 5705.0, 5628.0, 5616.0, 5536.0, 5459.0, 5716.0, 5389.0, 5670.0, 5681.0, 5365.0, 5584.0, 5714.0, 5298.0, 5345.0, 5647.0, 5680.0, 5613.0, 5250.0, 5377.0, 5463.0, 5381.0 (number of hits: 20)
28	5530	9	1	333	1	5344.0, 5659.0, 5543.0, 5313.0, 5291.0, 5681.0, 5685.0, 5403.0, 5458.0, 5556.0, 5364.0, 5466.0, 5370.0, 5455.0, 5326.0, 5424.0, 5606.0, 5505.0, 5437.0, 5623.0, 5434.0, 5290.0, 5300.0, 5653.0, 5423.0, 5550.0, 5670.0, 5552.0, 5485.0, 5617.0, 5498.0, 5358.0, 5551.0, 5456.0, 5381.0, 5480.0, 5382.0, 5323.0, 5327.0, 5373.0, 5440.0, 5278.0, 5515.0, 5698.0, 5566.0, 5338.0, 5591.0, 5529.0, 5468.0, 5624.0, 5581.0, 5674.0, 5580.0, 5366.0, 5459.0, 5500.0, 5429.0, 5349.0, 5663.0, 5631.0, 5262.0, 5307.0, 5636.0, 5583.0, 5629.0, 5561.0, 5282.0, 5410.0, 5353.0, 5340.0, 5546.0, 5501.0, 5716.0, 5611.0, 5697.0, 5270.0, 5277.0, 5682.0, 5721.0, 5654.0, 5572.0, 5613.0, 5717.0, 5350.0, 5431.0, 5304.0, 5512.0, 5599.0, 5391.0, 5441.0, 5337.0, 5284.0, 5534.0, 5703.0, 5346.0, 5409.0, 5661.0, 5693.0, 5339.0, 5511.0 (number of hits: 17)
29	5530	9	1	333	1	5530.0, 5612.0, 5590.0, 5724.0, 5488.0, 5376.0, 5712.0, 5539.0, 5468.0, 5454.0, 5655.0, 5717.0, 5433.0, 5513.0, 5286.0, 5434.0, 5367.0, 5535.0, 5449.0, 5688.0, 5517.0, 5553.0, 5481.0, 5720.0, 5315.0, 5667.0, 5392.0, 5588.0, 5275.0, 5642.0, 5509.0, 5352.0, 5253.0, 5382.0, 5559.0, 5383.0, 5296.0, 5650.0, 5600.0, 5499.0, 5615.0, 5619.0, 5569.0, 5670.0, 5459.0, 5418.0, 5324.0, 5669.0, 5489.0, 5341.0, 5265.0, 5538.0, 5613.0, 5549.0, 5399.0, 5687.0, 5579.0, 5672.0, 5520.0, 5478.0, 5493.0, 5675.0, 5710.0, 5587.0, 5651.0, 5620.0, 5556.0, 5696.0, 5425.0, 5533.0, 5310.0, 5398.0, 5519.0, 5616.0, 5663.0, 5319.0, 5682.0, 5601.0, 5450.0, 5548.0, 5441.0, 5606.0, 5618.0, 5603.0, 5355.0, 5456.0, 5532.0, 5514.0, 5403.0, 5523.0, 5580.0, 5572.0, 5431.0, 5427.0, 5664.0, 5390.0, 5638.0, 5490.0, 5475.0, 5361.0 (number of hits: 20)
30	5530	9	1	333	1	5276.0, 5439.0, 5484.0, 5253.0, 5425.0, 5473.0, 5694.0, 5332.0, 5353.0, 5298.0, 5474.0, 5347.0, 5589.0, 5613.0, 5582.0, 5660.0, 5435.0, 5334.0, 5702.0, 5534.0, 5433.0, 5297.0, 5281.0, 5627.0, 5426.0,

						5458.0, 5701.0, 5610.0, 5295.0, 5657.0, 5640.0, 5282.0, 5451.0, 5292.0, 5354.0, 5631.0, 5371.0, 5475.0, 5681.0, 5372.0, 5290.0, 5288.0, 5594.0, 5336.0, 5441.0, 5497.0, 5663.0, 5501.0, 5429.0, 5345.0, 5707.0, 5705.0, 5279.0, 5676.0, 5615.0, 5264.0, 5424.0, 5556.0, 5377.0, 5379.0, 5355.0, 5667.0, 5527.0, 5471.0, 5592.0, 5609.0, 5491.0, 5255.0, 5585.0, 5423.0, 5699.0, 5516.0, 5560.0, 5522.0, 5414.0, 5521.0, 5327.0, 5572.0, 5595.0, 5542.0, 5605.0, 5400.0, 5401.0, 5464.0, 5337.0, 5684.0, 5275.0, 5520.0, 5557.0, 5482.0, 5390.0, 5696.0, 5274.0, 5612.0, 5383.0, 5577.0, 5678.0, 5285.0, 5329.0, 5321.0 (number of hits: 13)

5 GHz Radio 2+ 5 GHz AUX

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90.0 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	90.0 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85.83 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5500	86	1	618	1
2	5500	72	1	738	1
3	5500	89	1	598	1
4	5500	83	1	638	1
5	5500	65	1	818	1
6	5490.5	58	1	918	0
7	5490.5	78	1	678	1
8	5490.5	92	1	578	1
9	5490.5	95	1	558	1
10	5490.5	67	1	798	1
11	5509.5	70	1	758	1
12	5509.5	61	1	878	1
13	5509.5	57	1	938	1
14	5509.5	68	1	778	1
15	5509.5	62	1	858	1
16	5500	32	1	1697	1
17	5500	99	1	535	1
18	5500	27	1	1985	1
19	5500	70	1	760	1
20	5500	24	1	2245	1
21	5490.5	27	1	2018	0
22	5490.5	21	1	2584	1
23	5490.5	18	1	2971	1
24	5490.5	21	1	2523	0
25	5490.5	30	1	1811	1
26	5509.5	29	1	1871	1
27	5509.5	88	1	603	1
28	5509.5	54	1	987	1
29	5509.5	25	1	2162	1
30	5509.5	62	1	852	1
Detection Percentage: 90.0% (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	23	3.7	218	1
2	5500	25	3.6	207	1
3	5500	28	3.5	178	1
4	5500	27	2	220	1
5	5500	25	1	198	1
6	5500	23	2.7	183	1
7	5500	27	5	169	0
8	5500	29	3.5	157	0
9	5500	25	1.9	180	1
10	5500	27	3.4	193	1
11	5490.5	23	2.3	226	1
12	5490.5	25	5	202	1
13	5490.5	23	3.6	215	1
14	5490.5	26	1.6	159	0
15	5490.5	26	2.4	222	1
16	5490.5	26	1.6	172	1
17	5490.5	25	4.7	194	1
18	5490.5	28	1.9	195	1
19	5490.5	24	2.4	211	0
20	5490.5	23	5	224	1
21	5509.5	25	4.2	214	1
22	5509.5	28	3.1	188	1
23	5509.5	28	1	184	1
24	5509.5	28	2.9	158	1
25	5509.5	23	2.1	223	0
26	5509.5	28	3.6	163	1
27	5509.5	25	5	171	1
28	5509.5	25	2.3	227	1
29	5509.5	27	1.9	216	0
30	5509.5	29	3.9	209	0
Detection Percentage: 76.7 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	18	7.9	323	1
2	5500	18	9.6	451	1
3	5500	18	6.4	427	1
4	5500	16	9.5	445	1
5	5500	16	10	500	1
6	5500	16	9.7	292	1
7	5500	17	6.1	200	1
8	5500	18	9	478	1
9	5500	18	6.1	201	1
10	5500	16	6.9	291	1
11	5490.5	16	9.7	293	1
12	5490.5	17	7.8	245	1
13	5490.5	16	6.7	396	0
14	5490.5	18	10	499	0
15	5490.5	17	7.7	344	1
16	5490.5	18	9.2	205	1
17	5490.5	16	7.7	215	1
18	5490.5	16	6	405	1
19	5490.5	17	6.9	243	0
20	5490.5	18	9	249	1
21	5509.5	18	6.9	242	1
22	5509.5	18	6.6	222	1
23	5509.5	18	8.8	396	1
24	5509.5	18	8.1	427	1
25	5509.5	18	6.3	411	1
26	5509.5	18	9.5	433	1
27	5509.5	16	9.5	400	1
28	5509.5	16	6.4	421	1
29	5509.5	16	9	419	1
30	5509.5	18	6	320	1
Detection Percentage: 90.0 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	15	19.9	368	1
2	5500	16	11	357	1
3	5500	13	11.5	296	0
4	5500	15	13.8	432	1
5	5500	15	16.2	401	1
6	5500	15	12.8	494	1
7	5500	16	15.2	328	1
8	5500	13	13.6	309	1
9	5500	14	16.6	249	1
10	5500	12	16.3	386	1
11	5490.5	16	15.6	370	1
12	5490.5	13	12.7	453	1
13	5490.5	14	15.7	430	0
14	5490.5	12	13.3	251	1
15	5490.5	12	18.2	345	0
16	5490.5	12	13.9	241	1
17	5490.5	16	11.6	432	1
18	5490.5	15	16.3	390	1
19	5490.5	14	16.9	381	1
20	5490.5	14	15.5	410	1
21	5509.5	13	14.5	447	1
22	5509.5	15	15.3	384	1
23	5509.5	12	15.8	308	1
24	5509.5	16	14.4	447	1
25	5509.5	14	12.2	411	1
26	5509.5	13	17	332	1
27	5509.5	15	16.5	484	1
28	5509.5	16	18.3	401	1
29	5509.5	16	16.8	353	0
30	5509.5	14	11.6	467	1
Detection Percentage: 86.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500	1
2	5500	1
3	5500	1
4	5500	1
5	5500	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5494.1	1
12	5494.9	1
13	5494.9	1
14	5495.7	1
15	5495.7	1
16	9497.3	1
17	5496.1	1
18	5494.5	1
19	5498.1	1
20	5495.3	1
21	5503.9	1
22	5506.3	1
23	5502.3	1
24	5504.7	1
25	5507.5	1
26	5501.9	1
27	5504.7	1
28	5503.9	1
29	5504.7	1
30	5506.7	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	1	10	88.3			0.348514	1
1	1	10	74.9			0.871761	
2	2	10	74.5	1684		1.823086	
3	3	10	91.3	1989	1098	2.868843	
4	2	10	69.3	1770		3.745947	
5	2	10	62.2	1156		4.425991	
6	2	10	51.1	1053		5.488133	
7	1	10	87.1			6.403821	
8	3	10	83.1	1167	1948	6.879271	
9	1	10	79.3			8.094243	
10	2	10	80	1533		8.984611	
11	1	10	70.1			9.557457	
12	1	10	79.7			10.606769	
13	3	10	71.8	1440	1967	11.273037	

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	13	87.2	1278	1446	0.337446	1
1	1	13	54.8			1.551518	
2	1	13	51.8			2.005542	
3	3	13	54.2	1314	1347	3.878237	
4	3	13	74.4	1050	1357	4.278925	
5	2	13	72.3	1920		5.287927	
6	2	13	79.6	1404		6.614244	
7	2	13	64	1907		7.493366	
8	2	13	80.3	1482		8.966709	
9	2	13	82.9	1053		9.327968	
10	2	13	74.4	1807		10.368354	
11	2	13	62.6	1720		11.374187	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	57.6			0.651778	1
1	2	7	99.3	1371		1.818224	
2	1	7	98.4			2.733915	
3	2	7	71.7	1589		4.193007	
4	2	7	70	1057		5.190809	
5	2	7	91.8	1993		6.530344	
6	1	7	97.6			7.811176	
7	1	7	93.2			8.495931	
8	1	7	85.1			10.457359	
9	3	7	90.8	1756	1539	11.180924	

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	71.4	1380		1.10696	1
1	2	10	98.6	1777		1.874031	
2	2	10	86.1	1308		3.674427	
3	2	10	85	1669		4.712918	
4	2	10	95.8	1320		7.149067	
5	1	10	73.5			8.913538	
6	2	10	58.7	1314		10.194507	
7	1	10	57			11.005063	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	61	1465		0.363325	1
1	1	5	58.6			1.865213	
2	3	5	58.9	1105	1345	2.855906	
3	2	5	64.4	1998		3.655272	
4	2	5	70.3	1269		4.218799	
5	3	5	64.6	1597	1151	5.065986	
6	3	5	54.6	1851	1924	6.875276	
7	2	5	72.7	1667		7.375663	
8	2	5	96.8	1136		8.692827	
9	3	5	76.9	1799	1627	9.695936	
10	1	5	96.9			10.50343	
11	1	5	52.9			11.339027	

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	14	91.7			0.527076	1
1	2	14	52.6	1311		1.431858	
2	2	14	87.7	1731		2.080207	
3	2	14	62.9	1267		3.025595	
4	1	14	98.5			4.326453	
5	2	14	96.1	1401		5.721643	
6	3	14	61.6	1353	1486	6.428787	
7	3	14	62.1	1305	1448	7.949907	
8	2	14	65.9	1312		8.89525	
9	2	14	81.4	1561		9.244404	
10	3	14	51.7	1828	1849	10.657817	
11	2	14	99.4	1913		11.675283	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	67.8	1782		0.98154	1
1	2	11	85.7	1679		1.33071	
2	2	11	69	1303		2.708914	
3	2	11	65.7	1854		3.340169	
4	2	11	93.9	1158		4.470491	
5	3	11	93.1	1422	1493	5.006559	
6	1	11	56.5			6.036052	
7	1	11	73			7.097942	
8	1	11	71.5			8.885006	
9	3	11	50.4	1844	1461	9.260465	
10	3	11	92.4	1456	1348	10.370053	
11	1	11	78.9			11.051383	

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	14	93.3			0.684061	1
1	2	14	86.7	1110		1.265343	
2	2	14	97.6	1129		1.624008	
3	2	14	96.5	1625		2.140423	
4	1	14	53.5			2.919491	
5	2	14	70.2	1316		3.806526	
6	2	14	72	1618		4.472508	
7	2	14	66.4	1656		5.308983	
8	1	14	95.3			6.30656	
9	2	14	85.7	1104		6.444389	
10	3	14	95.9	1962	1498	7.07126	
11	2	14	72.7	1460		8.354387	
12	1	14	54.9			8.96527	
13	1	14	85.1			9.502975	
14	1	14	69.4			10.112708	
15	3	14	66	1600	1902	11.174507	
16	1	14	62.5			11.301281	

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	71.7			0.35819	
1	2	11	98.1	1248		0.977701	
2	2	11	80.9	1827		1.656082	
3	3	11	85	1195	1801	2.306203	
4	2	11	98.3	1163		2.883164	
5	3	11	52.3	1943	1777	3.509499	
6	2	11	58.9	1202		4.281157	
7	1	11	59.7			4.978459	
8	3	11	90.9	1639	1769	5.620081	
9	2	11	84.2	1121		5.74138	1
10	2	11	72.1	1314		6.503138	
11	3	11	52.5	1647	1815	6.969671	
12	2	11	80.9	1510		7.617799	
13	2	11	59.3	1599		8.70595	
14	1	11	97.8			9.211603	
15	3	11	94.5	1174	1512	9.84917	
16	1	11	87.4			10.670782	
17	3	11	85.9	1258	1721	11.077375	
18	1	11	92.7			11.660343	

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	97.4	1050		0.933358	
1	1	7	51.8			1.464243	
2	1	7	94.6			2.82763	
3	2	7	85.3	1811		5.298644	
4	2	7	64.6	1977		5.778628	1
5	3	7	84.2	1943	1009	7.281272	
6	1	7	55.1			8.863403	
7	3	7	82.9	1574	1500	10.505242	
8	1	7	82.6			11.04531	

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	9	58.4			0.74064	1
1	1	9	96.9			1.107716	
2	3	9	77.6	1310	1010	2.269003	
3	2	9	58.5	1810		3.539989	
4	1	9	52.6			4.488446	
5	3	9	54.1	1701	1752	5.722667	
6	1	9	81.1			6.505055	
7	3	9	84.4	1142	1689	7.990356	
8	2	9	69.1	1781		8.033702	
9	2	9	72.7	1190		9.944814	
10	2	9	79.2	1273		10.31944	
11	3	9	62.5	1009	1698	11.957349	

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	11	83.8	1786	1393	0.250644	1
1	1	11	70.7			1.126621	
2	3	11	54.7	1019	1627	1.850828	
3	2	11	54.7	1158		2.395907	
4	2	11	66.3	1124		3.408338	
5	2	11	78.4	1344		3.549713	
6	2	11	63.6	1458		4.343261	
7	1	11	87.4			5.559063	
8	1	11	90.2			6.261664	
9	1	11	70.9			6.588314	
10	2	11	73	1381		7.233347	
11	2	11	97.8	1366		8.419704	
12	2	11	60.1	1842		8.660933	
13	1	11	74.6			9.545398	
14	2	11	58.5	1860		10.507741	
15	2	11	85.3	1619		11.121652	
16	1	11	95.7			11.639628	

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	63.6	1286		0.419587	1
1	2	11	58.8	1338		1.189509	
2	1	11	69.5			2.357473	
3	1	11	65.6			3.019742	
4	2	11	59.2	1631		3.517461	
5	1	11	90.7			4.505095	
6	3	11	77.4	1586	1146	5.694515	
7	1	11	80			6.607027	
8	3	11	84	1184	1685	7.476248	
9	2	11	54.6	1659		7.981019	
10	2	11	66.2	1961		9.329391	
11	2	11	65.8	1806		9.493072	
12	3	11	91.6	1998	1401	11.063416	
13	3	11	88.5	1186	1596	11.677102	

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	13	74.3	1101		0.519803	1
1	2	13	93.3	1962		1.107035	
2	2	13	86.4	1297		2.38455	
3	1	13	85.4			2.721732	
4	2	13	61.1	1996		3.500137	
5	2	13	82.2	1613		4.334175	
6	1	13	52.4			5.539933	
7	2	13	59.1	1526		6.223262	
8	3	13	97.1	1983	1643	6.408194	
9	1	13	74.6			7.52839	
10	1	13	51.7			8.599086	
11	2	13	83.8	1487		9.523454	
12	1	13	51.2			10.187434	
13	3	13	57.7	1369	1266	10.800971	
14	3	13	82	1335	1648	11.230137	

Bin5 Statistic 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	95.1			0.366778	1
1	2	13	92.7	1587		1.09773	
2	2	13	70.8	1692		2.349928	
3	2	13	64.8	1925		3.287128	
4	1	13	99.4			3.870941	
5	1	13	78			4.343528	
6	2	13	90.6	1969		5.526286	
7	1	13	67.2			6.675347	
8	2	13	86.3	1190		7.107591	
9	1	13	67.1			7.835137	
10	2	13	64.1	1421		8.74903	
11	1	13	76.7			9.620432	
12	1	13	54.3			10.397231	
13	3	13	98.5	1154	1878	11.280474	

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	99.8	1719		0.245874	1
1	2	17	89.7	1799		1.69775	
2	1	17	51.5			1.729595	
3	3	17	57.6	1676	1478	3.001625	
4	1	17	92.3			3.92709	
5	2	17	68.7	1517		4.673507	
6	2	17	97.4	1013		5.636379	
7	1	17	96.7			6.673503	
8	1	17	65.9			7.087534	
9	2	17	81.5	1978		8.398611	
10	1	17	69.3			8.644706	
11	2	17	57.7	1637		9.877726	
12	2	17	59.6	1076		11.114257	
13	3	17	76.6	1915	1059	11.542311	

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	63.8			0.317211	1
1	3	14	78.9	1368	1234	0.868088	
2	3	14	74.6	1394	1540	1.484994	
3	2	14	74.6	1740		2.156847	
4	1	14	60.4			2.76055	
5	1	14	93.7			3.795551	
6	2	14	80.8	1937		4.147274	
7	2	14	85.3	1647		4.754905	
8	2	14	62.5	1368		5.830571	
9	1	14	71.9			6.566742	
10	1	14	82.2			6.727374	
11	2	14	64	1027		7.371181	
12	3	14	60.3	1785	1503	8.349554	
13	1	14	54.4			8.832859	
14	1	14	55.3			9.778875	
15	2	14	50.9	1164		10.365432	
16	1	14	91.9			10.964902	
17	1	14	84.1			11.867858	

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	99.7			0.623421	1
1	3	10	73.3	1645	1010	1.305149	
2	1	10	55.5			2.261137	
3	2	10	81.9	1093		2.900069	
4	3	10	93.1	1666	1792	4.084959	
5	2	10	52.8	1925		4.986792	
6	1	10	87.8			6.357441	
7	2	10	86.8	1996		7.089159	
8	1	10	73.8			8.039275	
9	2	10	68	1025		9.211549	
10	3	10	65.2	1790	1742	9.912022	
11	2	10	72.6	1442		10.859017	
12	3	10	97.3	1569	1377	11.12412	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	71.1	1084	1542	0.150266	1
1	2	19	97.7	1935		0.773134	
2	2	19	58	1218		1.920962	
3	3	19	87.3	1617	1846	2.375851	
4	1	19	74.3			3.041961	
5	2	19	97.6	1134		3.695287	
6	2	19	60.2	1668		4.434465	
7	3	19	65.9	1575	1969	5.292733	
8	1	19	97.9			5.803167	
9	1	19	79.9			6.217031	
10	3	19	85.4	1869	1989	6.760886	
11	2	19	74.8	1945		7.958455	
12	2	19	85.2	1144		8.65274	
13	2	19	56.4	1319		9.326071	
14	2	19	89.2	1936		9.477624	
15	2	19	60.7	1576		10.632846	
16	1	19	76.5			11.021131	
17	2	19	89.7	1209		11.754337	

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	12	80.8			0.488555	1
1	3	12	55	1142	1444	1.549869	
2	1	12	72.4			1.826321	
3	1	12	96			2.918724	
4	3	12	55.9	1150	1947	3.82494	
5	2	12	89.2	1657		4.417426	
6	3	12	60.7	1748	1378	5.886863	
7	2	12	60.1	1697		6.239563	
8	2	12	68.5	1019		7.013945	
9	2	12	53.3	1759		8.071688	
10	2	12	58.7	1266		8.732475	
11	2	12	89.6	1152		9.440539	
12	1	12	57.2			10.826077	
13	2	12	51.3	1137		11.772494	

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	14	58.7	1527	1405	0.307282	1
1	2	14	57.8	1234		1.150401	
2	3	14	54.6	1198	1933	1.447587	
3	1	14	92.8			2.224892	
4	2	14	83.7	1392		2.612439	
5	1	14	50.4			3.113476	
6	2	14	94.4	1794		4.168528	
7	2	14	99.7	1026		4.475526	
8	3	14	64.5	1901	1487	4.846575	
9	1	14	71.7			5.779675	
10	2	14	82.9	1116		6.21638	
11	1	14	88.5			7.173442	
12	3	14	80.8	1191	1694	7.614565	
13	2	14	70.5	1304		8.074086	
14	2	14	66	1706		8.520842	
15	2	14	66.5	1112		9.161624	
16	1	14	98			10.003311	
17	2	14	54.7	1635		10.432827	
18	3	14	69.5	1613	1255	10.878692	
19	3	14	96.4	1405	1844	11.730408	

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	8	94.1	1052	1844	0.445246	1
1	1	8	55.5			1.161425	
2	2	8	67.1	1313		2.228797	
3	2	8	94.9	1475		3.188728	
4	2	8	77.3	1334		3.669644	
5	2	8	91.2	1986		4.76824	
6	2	8	71.6	1978		5.821272	
7	2	8	97.1	1418		6.79815	
8	3	8	94.1	1464	1603	7.072386	
9	3	8	90	1796	1373	7.996808	
10	2	8	88	1653		9.013998	
11	1	8	66.5			9.586779	
12	1	8	51.4			10.877615	
13	2	8	52.7	1095		11.369118	

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	18	52.4	1857	1963	0.401657	1
1	2	18	66.1	1092		1.240053	
2	2	18	65.6	1851		1.356584	
3	3	18	57.1	1715	1999	2.350134	
4	3	18	93.6	1616	1920	3.168046	
5	3	18	76	1466	1951	3.599731	
6	2	18	73.6	1929		4.348145	
7	2	18	74	1273		4.875109	
8	2	18	52.5	1900		5.967474	
9	2	18	57.1	1545		6.224413	
10	3	18	86.7	1432	1691	6.959892	
11	2	18	89.2	1680		7.43063	
12	2	18	86.7	1327		8.161792	
13	2	18	52.8	1070		8.778495	
14	1	18	53.7			9.390943	
15	1	18	89.6			10.423287	
16	2	18	95.4	1147		10.854052	
17	2	18	82.6	1805		11.508707	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	55.2	1520	1870	0.239697	
1	2	12	65.2	1368		0.822505	
2	3	12	76.4	1355	1956	1.799813	
3	1	12	64.3			2.044804	
4	1	12	56.7			2.688512	
5	1	12	96.3			3.739968	
6	1	12	71			4.143236	
7	1	12	83.9			4.578632	
8	1	12	99.8			5.064938	
9	3	12	61.2	1722	1891	6.008886	1
10	3	12	96.5	1108	1833	6.542528	
11	3	12	95.8	1249	1218	7.158115	
12	2	12	74.8	1477		7.888396	
13	3	12	68.4	1729	1744	8.424803	
14	3	12	90.8	1198	1203	9.006738	
15	2	12	79.2	1078		9.680736	
16	3	12	58	1317	1387	10.439145	
17	3	12	92.9	1496	1243	11.074336	
18	2	12	82.8	1579		11.388422	

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	5	54	1813	1315	0.467849	
1	2	5	58.7	1517		1.230682	
2	2	5	85.5	1176		1.984405	
3	3	5	81.8	1121	1563	2.394233	
4	1	5	50.5			3.516192	
5	3	5	74.2	1133	1006	4.125364	
6	3	5	88.1	1497	1053	4.91791	
7	1	5	85			5.429426	
8	3	5	51.9	1798	1344	6.342416	1
9	2	5	95.3	1529		6.711439	
10	2	5	74.9	1815		7.454353	
11	2	5	70.2	1407		7.860877	
12	3	5	89.6	1269	1666	8.790014	
13	2	5	61.7	1929		9.358673	
14	3	5	64	1795	1267	9.980265	
15	1	5	97.4			10.831337	
16	3	5	93.2	1208	1299	11.633876	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	80			0.412935	
1	1	19	79.6			0.998593	
2	2	19	68.9	1524		1.619427	
3	1	19	83			2.252079	
4	1	19	77.7			3.452555	
5	1	19	83.8			3.879574	
6	2	19	65	1741		4.613972	
7	3	19	89.7	1283	1048	5.615293	
8	2	19	82.9	1775		5.882108	1
9	2	19	89.5	1787		6.353269	
10	2	19	58.7	1278		7.189168	
11	2	19	70.6	1398		7.901865	
12	3	19	57	1876	1919	9.134568	
13	2	19	94.2	1524		9.702204	
14	2	19	75.4	1297		9.994205	
15	1	19	63.6			11.196353	
16	2	19	94.6	1130		11.799066	

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	55.5			0.311904	1
1	2	12	95	1692		0.923728	
2	2	12	94.7	1248		1.795835	
3	3	12	90.1	1122	1961	2.490158	
4	3	12	95.2	1790	1522	3.281061	
5	3	12	96.3	1634	1020	4.144172	
6	1	12	79.7			5.09559	
7	2	12	77.6	1447		5.874015	
8	2	12	58.3	1658		6.369697	
9	3	12	58.7	1988	1362	7.180335	
10	3	12	60.4	1261	1629	7.953093	
11	2	12	56.4	1772		8.318402	
12	3	12	90.4	1377	1463	9.405009	
13	2	12	92.6	1071		10.440866	
14	3	12	72.8	1307	1496	10.547626	
15	1	12	84.1			11.620366	

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	14	87			0.711497	1
1	1	14	91.2			1.182239	
2	1	14	81.5			3.015401	
3	3	14	98.1	1052	1219	4.083068	
4	2	14	90.9	1678		4.500981	
5	3	14	99	1548	1245	5.7345	
6	2	14	96.9	1671		6.849843	
7	1	14	53.7			7.741019	
8	2	14	80.1	1950		9.201921	
9	3	14	76.1	1653	1489	10.832401	
10	2	14	88.3	1102		10.92652	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	74.3	1465		0.73194	1
1	1	12	66.6			1.193952	
2	3	12	78.8	1965	1322	3.265251	
3	2	12	73.2	1974		3.321954	
4	3	12	53.1	1975	1613	4.842438	
5	1	12	60.8			5.667506	
6	2	12	92.5	1486		6.838282	
7	2	12	85.2	1574		8.200834	
8	2	12	69.1	1410		9.22907	
9	2	12	69.8	1855		10.38491	
10	2	12	60.7	1739		11.609659	

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	95.8			1.361476	1
1	3	7	89.9	1127	1144	1.741559	
2	2	7	78	1244		4.144804	
3	1	7	83.4			5.126984	
4	3	7	72.8	1266	1433	6.515359	
5	3	7	98.1	1449	1555	7.625136	
6	2	7	69.7	1633		9.702613	
7	3	7	99.8	1734	1706	11.929836	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500	9	1	333	1	5283.0, 5268.0, 5304.0, 5284.0, 5386.0, 5654.0, 5701.0, 5384.0, 5257.0, 5711.0, 5448.0, 5572.0, 5714.0, 5429.0, 5346.0, 5516.0, 5296.0, 5293.0, 5321.0, 5666.0, 5669.0, 5300.0, 5344.0, 5707.0, 5692.0, 5532.0, 5719.0, 5408.0, 5317.0, 5332.0, 5454.0, 5710.0, 5630.0, 5512.0, 5456.0, 5417.0, 5505.0, 5651.0, 5693.0, 5564.0, 5506.0, 5579.0, 5513.0, 5713.0, 5338.0, 5314.0, 5633.0, 5548.0, 5285.0, 5616.0, 5411.0, 5422.0, 5672.0, 5678.0, 5528.0, 5388.0, 5426.0, 5530.0, 5712.0, 5277.0, 5318.0, 5708.0, 5646.0, 5387.0, 5668.0, 5363.0, 5349.0, 5493.0, 5509.0, 5433.0, 5353.0, 5504.0, 5523.0, 5634.0, 5468.0, 5514.0, 5596.0, 5370.0, 5535.0, 5303.0, 5279.0, 5357.0, 5382.0, 5703.0, 5281.0, 5657.0, 5471.0, 5379.0, 5473.0, 5614.0, 5546.0, 5656.0, 5510.0, 5497.0, 5470.0, 5611.0, 5322.0, 5644.0, 5400.0, 5522.0 (number of hits: 6)
2	5500	9	1	333	1	5425.0, 5575.0, 5385.0, 5374.0, 5561.0, 5687.0, 5446.0, 5530.0, 5465.0, 5362.0, 5643.0, 5529.0, 5318.0, 5562.0, 5545.0, 5442.0, 5682.0, 5323.0, 5524.0, 5411.0, 5498.0, 5506.0, 5702.0, 5302.0, 5555.0, 5642.0, 5306.0, 5619.0, 5461.0, 5301.0, 5443.0, 5449.0, 5607.0, 5421.0, 5470.0, 5598.0, 5583.0, 5364.0, 5584.0, 5574.0, 5706.0, 5275.0, 5299.0, 5659.0, 5723.0, 5432.0, 5438.0, 5493.0, 5604.0, 5353.0, 5382.0, 5419.0, 5600.0, 5267.0, 5277.0, 5693.0, 5282.0, 5710.0, 5688.0, 5577.0, 5564.0, 5455.0, 5528.0, 5589.0, 5626.0, 5651.0, 5630.0, 5603.0, 5579.0, 5721.0, 5463.0, 5624.0, 5310.0, 5582.0, 5370.0, 5375.0, 5675.0, 5407.0, 5669.0, 5378.0, 5717.0, 5434.0, 5392.0, 5487.0, 5608.0, 5288.0, 5454.0, 5484.0, 5255.0, 5445.0, 5304.0, 5654.0, 5303.0, 5308.0, 5420.0, 5344.0, 5591.0, 5307.0, 5475.0, 5631.0 (number of hits: 3)
3	5500	9	1	333	1	5386.0, 5662.0, 5523.0, 5479.0, 5555.0, 5338.0, 5622.0, 5592.0, 5563.0, 5652.0, 5524.0, 5465.0, 5640.0, 5353.0, 5614.0, 5585.0, 5449.0, 5444.0, 5460.0, 5673.0, 5721.0, 5685.0, 5694.0, 5500.0, 5419.0, 5549.0, 5468.0, 5321.0, 5546.0, 5360.0, 5637.0, 5308.0, 5450.0, 5700.0, 5339.0, 5698.0, 5291.0, 5607.0, 5316.0, 5264.0, 5417.0, 5279.0, 5342.0, 5501.0, 5418.0, 5393.0, 5390.0, 5282.0, 5683.0, 5625.0, 5584.0, 5409.0, 5372.0, 5680.0, 5638.0, 5495.0, 5603.0, 5629.0, 5701.0, 5272.0, 5481.0, 5383.0, 5599.0, 5670.0, 5340.0, 5649.0, 5532.0, 5572.0, 5547.0, 5677.0, 5718.0, 5292.0, 5654.0, 5578.0, 5667.0, 5596.0, 5597.0, 5703.0, 5331.0, 5566.0, 5312.0, 5630.0, 5695.0, 5270.0, 5260.0, 5705.0, 5699.0, 5610.0, 5306.0, 5357.0, 5496.0, 5387.0, 5575.0, 5691.0, 5544.0, 5376.0, 5478.0, 5315.0, 5276.0, 5344.0 (number of hits: 4)
4	5500	9	1	333	1	5269.0, 5318.0, 5455.0, 5709.0, 5536.0, 5512.0, 5335.0, 5530.0, 5341.0, 5538.0, 5345.0, 5386.0, 5450.0, 5568.0, 5632.0, 5712.0, 5545.0, 5603.0, 5343.0, 5516.0, 5653.0, 5451.0, 5332.0, 5367.0, 5260.0, 5522.0, 5370.0, 5257.0, 5267.0, 5629.0, 5287.0, 5559.0, 5707.0, 5297.0, 5397.0, 5371.0, 5551.0, 5448.0, 5570.0, 5710.0, 5535.0, 5638.0, 5435.0, 5285.0, 5488.0, 5540.0, 5719.0, 5291.0, 5615.0, 5295.0, 5687.0, 5534.0, 5331.0, 5293.0, 5307.0, 5299.0, 5676.0, 5288.0, 5378.0, 5720.0, 5466.0, 5309.0, 5261.0, 5571.0, 5408.0, 5715.0, 5663.0, 5662.0, 5561.0, 5446.0,

						5500.0, 5447.0, 5521.0, 5302.0, 5442.0, 5511.0, 5377.0, 5387.0, 5458.0, 5549.0, 5657.0, 5501.0, 5635.0, 5312.0, 5361.0, 5703.0, 5358.0, 5391.0, 5411.0, 5537.0, 5599.0, 5475.0, 5569.0, 5360.0, 5588.0, 5487.0, 5278.0, 5584.0, 5254.0, 5274.0 (number of hits: 2)
5	5500	9	1	333	1	5510.0, 5606.0, 5331.0, 5364.0, 5685.0, 5402.0, 5474.0, 5315.0, 5538.0, 5508.0, 5300.0, 5524.0, 5387.0, 5693.0, 5304.0, 5432.0, 5339.0, 5675.0, 5410.0, 5290.0, 5370.0, 5406.0, 5569.0, 5303.0, 5422.0, 5306.0, 5652.0, 5477.0, 5385.0, 5708.0, 5337.0, 5613.0, 5676.0, 5707.0, 5457.0, 5664.0, 5258.0, 5312.0, 5672.0, 5684.0, 5601.0, 5657.0, 5679.0, 5646.0, 5698.0, 5479.0, 5454.0, 5668.0, 5681.0, 5276.0, 5616.0, 5537.0, 5629.0, 5600.0, 5329.0, 5561.0, 5671.0, 5481.0, 5596.0, 5283.0, 5319.0, 5369.0, 5542.0, 5555.0, 5711.0, 5573.0, 5345.0, 5621.0, 5407.0, 5296.0, 5284.0, 5307.0, 5289.0, 5619.0, 5452.0, 5437.0, 5360.0, 5581.0, 5497.0, 5579.0, 5462.0, 5448.0, 5262.0, 5253.0, 5416.0, 5517.0, 5534.0, 5469.0, 5564.0, 5597.0, 5333.0, 5624.0, 5587.0, 5487.0, 5313.0, 5531.0, 5639.0, 5445.0, 5614.0, 5609.0 (number of hits: 2)
6	5500	9	1	333	1	5392.0, 5494.0, 5318.0, 5410.0, 5711.0, 5544.0, 5694.0, 5683.0, 5273.0, 5713.0, 5456.0, 5332.0, 5381.0, 5572.0, 5512.0, 5366.0, 5298.0, 5710.0, 5408.0, 5291.0, 5596.0, 5393.0, 5449.0, 5478.0, 5537.0, 5601.0, 5552.0, 5368.0, 5307.0, 5647.0, 5520.0, 5299.0, 5652.0, 5654.0, 5386.0, 5421.0, 5606.0, 5441.0, 5437.0, 5717.0, 5450.0, 5669.0, 5507.0, 5558.0, 5682.0, 5277.0, 5426.0, 5331.0, 5514.0, 5452.0, 5390.0, 5561.0, 5313.0, 5482.0, 5524.0, 5376.0, 5686.0, 5387.0, 5625.0, 5460.0, 5371.0, 5581.0, 5490.0, 5402.0, 5492.0, 5451.0, 5316.0, 5670.0, 5693.0, 5447.0, 5687.0, 5395.0, 5618.0, 5383.0, 5341.0, 5709.0, 5304.0, 5321.0, 5470.0, 5506.0, 5328.0, 5701.0, 5467.0, 5322.0, 5617.0, 5283.0, 5401.0, 5379.0, 5305.0, 5662.0, 5591.0, 5430.0, 5270.0, 5628.0, 5348.0, 5361.0, 5434.0, 5719.0, 5264.0, 5503.0 (number of hits: 6)
7	5500	9	1	333	1	5500.0, 5580.0, 5311.0, 5674.0, 5488.0, 5285.0, 5594.0, 5532.0, 5263.0, 5680.0, 5383.0, 5710.0, 5278.0, 5304.0, 5625.0, 5446.0, 5403.0, 5693.0, 5498.0, 5516.0, 5389.0, 5332.0, 5356.0, 5371.0, 5305.0, 5692.0, 5425.0, 5613.0, 5639.0, 5344.0, 5433.0, 5453.0, 5455.0, 5410.0, 5395.0, 5575.0, 5542.0, 5678.0, 5503.0, 5252.0, 5464.0, 5279.0, 5586.0, 5640.0, 5306.0, 5535.0, 5477.0, 5529.0, 5342.0, 5563.0, 5660.0, 5666.0, 5663.0, 5470.0, 5521.0, 5634.0, 5670.0, 5353.0, 5636.0, 5430.0, 5484.0, 5697.0, 5318.0, 5544.0, 5600.0, 5398.0, 5448.0, 5509.0, 5522.0, 5677.0, 5424.0, 5561.0, 5418.0, 5251.0, 5326.0, 5555.0, 5515.0, 5262.0, 5543.0, 5667.0, 5457.0, 5373.0, 5372.0, 5609.0, 5432.0, 5540.0, 5301.0, 5376.0, 5421.0, 5559.0, 5299.0, 5417.0, 5707.0, 5507.0, 5560.0, 5385.0, 5686.0, 5552.0, 5620.0, 5329.0 (number of hits: 5)
8	5500	9	1	333	1	5323.0, 5481.0, 5282.0, 5512.0, 5329.0, 5479.0, 5660.0, 5550.0, 5493.0, 5641.0, 5581.0, 5328.0, 5470.0, 5372.0, 5253.0, 5483.0, 5594.0, 5504.0, 5715.0, 5677.0, 5595.0, 5666.0, 5511.0, 5472.0, 5384.0, 5554.0, 5599.0, 5410.0, 5675.0, 5434.0, 5425.0, 5633.0, 5453.0, 5704.0, 5354.0, 5408.0, 5657.0, 5284.0, 5426.0, 5668.0, 5317.0, 5382.0, 5295.0, 5510.0, 5336.0, 5259.0, 5559.0, 5436.0, 5540.0, 5589.0, 5546.0, 5297.0, 5338.0, 5435.0, 5607.0, 5536.0, 5482.0, 5422.0, 5578.0, 5451.0, 5502.0, 5551.0, 5261.0, 5611.0, 5409.0, 5664.0, 5352.0, 5695.0, 5658.0, 5656.0, 5351.0, 5665.0, 5448.0, 5476.0, 5269.0, 5363.0, 5542.0, 5700.0, 5492.0, 5401.0, 5643.0, 5276.0, 5379.0, 5467.0,

						5362.0, 5556.0, 5718.0, 5307.0, 5634.0, 5572.0, 5474.0, 5458.0, 5596.0, 5377.0, 5318.0, 5520.0, 5694.0, 5262.0, 5273.0, 5394.0 (number of hits: 4)
9	5500	9	1	333	1	5427.0, 5455.0, 5572.0, 5715.0, 5276.0, 5481.0, 5418.0, 5447.0, 5303.0, 5566.0, 5499.0, 5416.0, 5644.0, 5321.0, 5457.0, 5284.0, 5598.0, 5621.0, 5607.0, 5517.0, 5717.0, 5576.0, 5410.0, 5526.0, 5438.0, 5299.0, 5452.0, 5654.0, 5669.0, 5267.0, 5389.0, 5618.0, 5610.0, 5480.0, 5289.0, 5338.0, 5375.0, 5326.0, 5428.0, 5616.0, 5468.0, 5559.0, 5323.0, 5304.0, 5343.0, 5557.0, 5716.0, 5443.0, 5577.0, 5507.0, 5697.0, 5333.0, 5518.0, 5662.0, 5510.0, 5497.0, 5700.0, 5429.0, 5261.0, 5561.0, 5596.0, 5487.0, 5285.0, 5539.0, 5351.0, 5404.0, 5718.0, 5538.0, 5316.0, 5263.0, 5402.0, 5564.0, 5541.0, 5619.0, 5527.0, 5405.0, 5373.0, 5395.0, 5381.0, 5513.0, 5344.0, 5595.0, 5269.0, 5475.0, 5533.0, 5264.0, 5656.0, 5459.0, 5424.0, 5450.0, 5574.0, 5319.0, 5466.0, 5293.0, 5652.0, 5604.0, 5602.0, 5504.0, 5260.0, 5516.0 (number of hits: 4)
10	5500	9	1	333	1	5652.0, 5522.0, 5553.0, 5532.0, 5417.0, 5565.0, 5367.0, 5292.0, 5445.0, 5491.0, 5418.0, 5374.0, 5712.0, 5306.0, 5334.0, 5325.0, 5352.0, 5710.0, 5590.0, 5363.0, 5719.0, 5333.0, 5595.0, 5296.0, 5722.0, 5581.0, 5477.0, 5657.0, 5288.0, 5714.0, 5566.0, 5280.0, 5569.0, 5257.0, 5528.0, 5331.0, 5483.0, 5421.0, 5704.0, 5538.0, 5527.0, 5500.0, 5671.0, 5319.0, 5252.0, 5373.0, 5499.0, 5365.0, 5484.0, 5574.0, 5635.0, 5596.0, 5684.0, 5580.0, 5531.0, 5662.0, 5588.0, 5284.0, 5691.0, 5681.0, 5254.0, 5692.0, 5444.0, 5645.0, 5543.0, 5627.0, 5305.0, 5682.0, 5577.0, 5464.0, 5509.0, 5398.0, 5628.0, 5570.0, 5597.0, 5276.0, 5455.0, 5454.0, 5502.0, 5693.0, 5471.0, 5428.0, 5465.0, 5432.0, 5397.0, 5481.0, 5665.0, 5571.0, 5697.0, 5599.0, 5275.0, 5618.0, 5611.0, 5490.0, 5313.0, 5311.0, 5688.0, 5426.0, 5251.0, 5614.0 (number of hits: 6)
11	5500	9	1	333	1	5533.0, 5688.0, 5326.0, 5400.0, 5413.0, 5532.0, 5607.0, 5572.0, 5339.0, 5401.0, 5432.0, 5357.0, 5464.0, 5362.0, 5315.0, 5381.0, 5709.0, 5294.0, 5542.0, 5597.0, 5645.0, 5536.0, 5279.0, 5646.0, 5324.0, 5319.0, 5467.0, 5720.0, 5501.0, 5558.0, 5344.0, 5252.0, 5299.0, 5636.0, 5267.0, 5711.0, 5518.0, 5595.0, 5451.0, 5414.0, 5715.0, 5394.0, 5531.0, 5312.0, 5375.0, 5552.0, 5657.0, 5491.0, 5589.0, 5397.0, 5609.0, 5392.0, 5380.0, 5442.0, 5358.0, 5556.0, 5388.0, 5301.0, 5364.0, 5402.0, 5417.0, 5486.0, 5457.0, 5521.0, 5261.0, 5463.0, 5630.0, 5259.0, 5528.0, 5585.0, 5475.0, 5262.0, 5545.0, 5271.0, 5410.0, 5497.0, 5700.0, 5382.0, 5605.0, 5701.0, 5564.0, 5578.0, 5628.0, 5470.0, 5616.0, 5529.0, 5481.0, 5456.0, 5353.0, 5478.0, 5566.0, 5341.0, 5420.0, 5433.0, 5378.0, 5321.0, 5659.0, 5563.0, 5283.0, 5411.0 (number of hits: 3)
12	5500	9	1	333	1	5684.0, 5550.0, 5579.0, 5292.0, 5417.0, 5557.0, 5522.0, 5596.0, 5399.0, 5278.0, 5269.0, 5347.0, 5313.0, 5609.0, 5707.0, 5393.0, 5288.0, 5679.0, 5542.0, 5698.0, 5455.0, 5693.0, 5316.0, 5431.0, 5442.0, 5602.0, 5618.0, 5558.0, 5272.0, 5562.0, 5635.0, 5302.0, 5400.0, 5308.0, 5479.0, 5544.0, 5439.0, 5478.0, 5364.0, 5341.0, 5688.0, 5592.0, 5624.0, 5264.0, 5280.0, 5714.0, 5529.0, 5520.0, 5647.0, 5335.0, 5641.0, 5662.0, 5300.0, 5640.0, 5583.0, 5348.0, 5605.0, 5678.0, 5565.0, 5572.0, 5621.0, 5480.0, 5567.0, 5304.0, 5491.0, 5538.0, 5270.0, 5682.0, 5486.0, 5303.0, 5329.0, 5383.0, 5685.0, 5320.0, 5263.0, 5373.0, 5327.0, 5305.0, 5301.0, 5458.0, 5444.0, 5289.0, 5540.0, 5483.0, 5577.0, 5653.0, 5705.0, 5389.0, 5571.0, 5665.0, 5464.0, 5356.0, 5569.0, 5473.0, 5500.0, 5298.0, 5673.0, 5578.0,

						5279.0, 5366.0 (number of hits: 2)
13	5500	9	1	333	1	5699.0, 5480.0, 5505.0, 5635.0, 5302.0, 5321.0, 5319.0, 5334.0, 5666.0, 5504.0, 5308.0, 5554.0, 5515.0, 5374.0, 5471.0, 5348.0, 5679.0, 5469.0, 5484.0, 5533.0, 5671.0, 5441.0, 5402.0, 5286.0, 5518.0, 5616.0, 5598.0, 5424.0, 5553.0, 5687.0, 5492.0, 5529.0, 5510.0, 5380.0, 5408.0, 5259.0, 5559.0, 5328.0, 5521.0, 5352.0, 5562.0, 5651.0, 5295.0, 5705.0, 5318.0, 5724.0, 5460.0, 5326.0, 5432.0, 5279.0, 5422.0, 5320.0, 5303.0, 5427.0, 5307.0, 5537.0, 5489.0, 5315.0, 5437.0, 5289.0, 5379.0, 5644.0, 5676.0, 5701.0, 5483.0, 5556.0, 5384.0, 5665.0, 5278.0, 5650.0, 5434.0, 5561.0, 5412.0, 5672.0, 5605.0, 5494.0, 5678.0, 5645.0, 5330.0, 5282.0, 5630.0, 5643.0, 5498.0, 5304.0, 5647.0, 5416.0, 5442.0, 5476.0, 5393.0, 5703.0, 5397.0, 5714.0, 5455.0, 5256.0, 5457.0, 5691.0, 5551.0, 5627.0, 5566.0, 5601.0 (number of hits: 5)
14	5500	9	1	333	1	5710.0, 5521.0, 5322.0, 5354.0, 5452.0, 5522.0, 5669.0, 5474.0, 5549.0, 5417.0, 5504.0, 5330.0, 5684.0, 5312.0, 5453.0, 5402.0, 5577.0, 5589.0, 5270.0, 5593.0, 5430.0, 5600.0, 5716.0, 5670.0, 5719.0, 5526.0, 5573.0, 5252.0, 5326.0, 5675.0, 5424.0, 5449.0, 5269.0, 5277.0, 5681.0, 5630.0, 5503.0, 5253.0, 5603.0, 5500.0, 5369.0, 5643.0, 5297.0, 5578.0, 5633.0, 5317.0, 5690.0, 5318.0, 5505.0, 5448.0, 5420.0, 5373.0, 5304.0, 5664.0, 5263.0, 5319.0, 5497.0, 5258.0, 5510.0, 5567.0, 5622.0, 5262.0, 5302.0, 5581.0, 5418.0, 5620.0, 5601.0, 5260.0, 5634.0, 5410.0, 5694.0, 5370.0, 5657.0, 5709.0, 5659.0, 5367.0, 5378.0, 5306.0, 5711.0, 5629.0, 5592.0, 5388.0, 5308.0, 5644.0, 5289.0, 5540.0, 5685.0, 5599.0, 5639.0, 5287.0, 5255.0, 5425.0, 5403.0, 5387.0, 5544.0, 5615.0, 5303.0, 5572.0, 5464.0, 5405.0 (number of hits: 5)
15	5500	9	1	333	1	5509.0, 5318.0, 5669.0, 5527.0, 5511.0, 5588.0, 5656.0, 5684.0, 5607.0, 5515.0, 5320.0, 5345.0, 5677.0, 5275.0, 5499.0, 5328.0, 5356.0, 5595.0, 5632.0, 5664.0, 5344.0, 5316.0, 5707.0, 5467.0, 5468.0, 5696.0, 5302.0, 5622.0, 5649.0, 5270.0, 5373.0, 5532.0, 5690.0, 5322.0, 5547.0, 5464.0, 5579.0, 5557.0, 5715.0, 5529.0, 5282.0, 5668.0, 5419.0, 5334.0, 5425.0, 5519.0, 5407.0, 5418.0, 5695.0, 5424.0, 5504.0, 5487.0, 5494.0, 5258.0, 5428.0, 5569.0, 5603.0, 5581.0, 5448.0, 5540.0, 5502.0, 5550.0, 5516.0, 5703.0, 5278.0, 5567.0, 5562.0, 5486.0, 5513.0, 5705.0, 5543.0, 5648.0, 5426.0, 5471.0, 5709.0, 5535.0, 5655.0, 5606.0, 5454.0, 5501.0, 5403.0, 5323.0, 5604.0, 5496.0, 5285.0, 5542.0, 5663.0, 5525.0, 5319.0, 5391.0, 5630.0, 5534.0, 5455.0, 5483.0, 5315.0, 5599.0, 5408.0, 5554.0, 5556.0, 5312.0 (number of hits: 7)
16	5500	9	1	333	1	5512.0, 5418.0, 5267.0, 5443.0, 5279.0, 5285.0, 5378.0, 5440.0, 5485.0, 5273.0, 5572.0, 5635.0, 5601.0, 5537.0, 5455.0, 5459.0, 5313.0, 5493.0, 5382.0, 5620.0, 5260.0, 5414.0, 5480.0, 5332.0, 5429.0, 5479.0, 5618.0, 5373.0, 5481.0, 5290.0, 5363.0, 5698.0, 5694.0, 5723.0, 5334.0, 5474.0, 5432.0, 5524.0, 5384.0, 5525.0, 5457.0, 5261.0, 5631.0, 5298.0, 5252.0, 5299.0, 5693.0, 5288.0, 5616.0, 5340.0, 5504.0, 5253.0, 5308.0, 5321.0, 5426.0, 5490.0, 5275.0, 5679.0, 5557.0, 5448.0, 5644.0, 5584.0, 5664.0, 5357.0, 5660.0, 5690.0, 5399.0, 5611.0, 5650.0, 5548.0, 5574.0, 5398.0, 5458.0, 5347.0, 5519.0, 5626.0, 5700.0, 5402.0, 5307.0, 5661.0, 5301.0, 5522.0, 5662.0, 5401.0, 5484.0, 5250.0, 5406.0, 5420.0, 5561.0, 5671.0, 5619.0,

						5281.0, 5612.0, 5709.0, 5483.0, 5713.0, 5336.0, 5583.0, 5393.0, 5556.0 (number of hits: 3)
17	5500	9	1	333	1	5385.0, 5455.0, 5268.0, 5480.0, 5399.0, 5500.0, 5350.0, 5597.0, 5545.0, 5683.0, 5632.0, 5475.0, 5642.0, 5289.0, 5262.0, 5537.0, 5251.0, 5722.0, 5539.0, 5551.0, 5370.0, 5344.0, 5529.0, 5544.0, 5540.0, 5374.0, 5569.0, 5707.0, 5306.0, 5600.0, 5517.0, 5712.0, 5360.0, 5599.0, 5668.0, 5359.0, 5641.0, 5494.0, 5654.0, 5381.0, 5297.0, 5257.0, 5575.0, 5534.0, 5292.0, 5607.0, 5723.0, 5555.0, 5341.0, 5649.0, 5564.0, 5312.0, 5710.0, 5328.0, 5587.0, 5300.0, 5380.0, 5693.0, 5280.0, 5437.0, 5361.0, 5634.0, 5408.0, 5558.0, 5376.0, 5718.0, 5478.0, 5466.0, 5467.0, 5462.0, 5448.0, 5422.0, 5686.0, 5626.0, 5617.0, 5636.0, 5678.0, 5603.0, 5674.0, 5452.0, 5315.0, 5513.0, 5419.0, 5633.0, 5416.0, 5476.0, 5592.0, 5567.0, 5285.0, 5390.0, 5407.0, 5388.0, 5441.0, 5505.0, 5676.0, 5492.0, 5471.0, 5269.0, 5524.0, 5327.0 (number of hits: 4)
18	5500	9	1	333	1	5266.0, 5704.0, 5674.0, 5306.0, 5684.0, 5299.0, 5532.0, 5325.0, 5391.0, 5477.0, 5425.0, 5486.0, 5609.0, 5357.0, 5558.0, 5693.0, 5261.0, 5263.0, 5654.0, 5652.0, 5586.0, 5280.0, 5377.0, 5268.0, 5451.0, 5452.0, 5681.0, 5643.0, 5680.0, 5538.0, 5561.0, 5584.0, 5669.0, 5560.0, 5556.0, 5485.0, 5590.0, 5570.0, 5664.0, 5659.0, 5507.0, 5549.0, 5710.0, 5406.0, 5512.0, 5522.0, 5644.0, 5435.0, 5373.0, 5718.0, 5305.0, 5591.0, 5517.0, 5291.0, 5722.0, 5331.0, 5574.0, 5387.0, 5488.0, 5420.0, 5605.0, 5386.0, 5432.0, 5676.0, 5679.0, 5623.0, 5423.0, 5585.0, 5330.0, 5332.0, 5293.0, 5530.0, 5301.0, 5253.0, 5714.0, 5528.0, 5545.0, 5327.0, 5523.0, 5298.0, 5283.0, 5568.0, 5375.0, 5554.0, 5439.0, 5653.0, 5593.0, 5640.0, 5383.0, 5503.0, 5256.0, 5699.0, 5535.0, 5338.0, 5350.0, 5636.0, 5677.0, 5565.0, 5302.0, 5635.0 (number of hits: 2)
19	5500	9	1	333	1	5412.0, 5709.0, 5548.0, 5284.0, 5275.0, 5605.0, 5699.0, 5407.0, 5490.0, 5587.0, 5294.0, 5360.0, 5305.0, 5339.0, 5623.0, 5608.0, 5519.0, 5313.0, 5668.0, 5421.0, 5662.0, 5340.0, 5643.0, 5581.0, 5642.0, 5272.0, 5297.0, 5269.0, 5288.0, 5325.0, 5287.0, 5383.0, 5352.0, 5692.0, 5330.0, 5478.0, 5295.0, 5440.0, 5570.0, 5419.0, 5458.0, 5552.0, 5433.0, 5359.0, 5678.0, 5661.0, 5475.0, 5366.0, 5645.0, 5689.0, 5640.0, 5267.0, 5493.0, 5494.0, 5358.0, 5491.0, 5461.0, 5385.0, 5331.0, 5527.0, 5518.0, 5724.0, 5560.0, 5606.0, 5569.0, 5557.0, 5601.0, 5597.0, 5639.0, 5537.0, 5616.0, 5292.0, 5328.0, 5665.0, 5403.0, 5712.0, 5261.0, 5697.0, 5318.0, 5532.0, 5677.0, 5346.0, 5500.0, 5534.0, 5538.0, 5462.0, 5453.0, 5376.0, 5497.0, 5496.0, 5567.0, 5543.0, 5542.0, 5574.0, 5512.0, 5281.0, 5651.0, 5481.0, 5422.0, 5399.0 (number of hits: 7)
20	5500	9	1	333	1	5484.0, 5531.0, 5629.0, 5591.0, 5366.0, 5628.0, 5519.0, 5462.0, 5393.0, 5495.0, 5558.0, 5722.0, 5510.0, 5506.0, 5483.0, 5413.0, 5673.0, 5498.0, 5279.0, 5299.0, 5288.0, 5290.0, 5386.0, 5403.0, 5342.0, 5572.0, 5581.0, 5399.0, 5692.0, 5724.0, 5354.0, 5427.0, 5713.0, 5563.0, 5694.0, 5408.0, 5385.0, 5292.0, 5589.0, 5493.0, 5637.0, 5253.0, 5520.0, 5482.0, 5602.0, 5624.0, 5545.0, 5618.0, 5636.0, 5573.0, 5251.0, 5613.0, 5475.0, 5435.0, 5622.0, 5293.0, 5532.0, 5368.0, 5268.0, 5661.0, 5706.0, 5307.0, 5544.0, 5348.0, 5329.0, 5533.0, 5680.0, 5359.0, 5308.0, 5720.0, 5375.0, 5530.0, 5447.0, 5440.0, 5665.0, 5594.0, 5597.0, 5337.0, 5379.0, 5644.0, 5401.0, 5711.0, 5409.0, 5557.0, 5451.0, 5524.0, 5395.0, 5286.0, 5405.0, 5609.0, 5639.0, 5703.0, 5535.0, 5669.0, 5663.0, 5306.0, 5678.0, 5333.0, 5312.0, 5365.0 (number of hits: 4)

21	5500	9	1	333	1	5444.0, 5580.0, 5604.0, 5588.0, 5520.0, 5536.0, 5296.0, 5387.0, 5487.0, 5527.0, 5647.0, 5564.0, 5515.0, 5308.0, 5409.0, 5534.0, 5574.0, 5663.0, 5395.0, 5425.0, 5280.0, 5356.0, 5587.0, 5467.0, 5628.0, 5575.0, 5302.0, 5543.0, 5439.0, 5261.0, 5422.0, 5429.0, 5354.0, 5678.0, 5475.0, 5668.0, 5295.0, 5276.0, 5421.0, 5463.0, 5537.0, 5361.0, 5688.0, 5331.0, 5478.0, 5549.0, 5526.0, 5495.0, 5640.0, 5547.0, 5376.0, 5675.0, 5433.0, 5500.0, 5480.0, 5383.0, 5672.0, 5435.0, 5519.0, 5617.0, 5700.0, 5364.0, 5686.0, 5430.0, 5418.0, 5424.0, 5657.0, 5458.0, 5459.0, 5603.0, 5482.0, 5256.0, 5713.0, 5462.0, 5365.0, 5394.0, 5637.0, 5584.0, 5561.0, 5329.0, 5521.0, 5711.0, 5321.0, 5571.0, 5542.0, 5541.0, 5436.0, 5468.0, 5716.0, 5503.0, 5514.0, 5600.0, 5366.0, 5286.0, 5405.0, 5601.0, 5449.0, 5483.0, 5318.0, 5341.0 (number of hits: 3)
22	5500	9	1	333	1	5687.0, 5457.0, 5579.0, 5516.0, 5433.0, 5261.0, 5354.0, 5505.0, 5586.0, 5341.0, 5447.0, 5701.0, 5593.0, 5288.0, 5297.0, 5317.0, 5709.0, 5381.0, 5380.0, 5362.0, 5338.0, 5262.0, 5629.0, 5708.0, 5463.0, 5599.0, 5665.0, 5364.0, 5639.0, 5418.0, 5576.0, 5426.0, 5565.0, 5723.0, 5710.0, 5351.0, 5467.0, 5644.0, 5383.0, 5279.0, 5522.0, 5539.0, 5677.0, 5566.0, 5702.0, 5358.0, 5313.0, 5700.0, 5632.0, 5706.0, 5479.0, 5689.0, 5666.0, 5525.0, 5685.0, 5507.0, 5407.0, 5340.0, 5275.0, 5323.0, 5636.0, 5617.0, 5484.0, 5523.0, 5284.0, 5385.0, 5720.0, 5465.0, 5274.0, 5664.0, 5314.0, 5668.0, 5524.0, 5483.0, 5310.0, 5684.0, 5267.0, 5662.0, 5366.0, 5597.0, 5655.0, 5618.0, 5517.0, 5468.0, 5464.0, 5616.0, 5259.0, 5283.0, 5648.0, 5503.0, 5718.0, 5251.0, 5436.0, 5312.0, 5339.0, 5491.0, 5473.0, 5557.0, 5692.0, 5368.0 (number of hits: 4)
23	5500	9	1	333	1	5358.0, 5334.0, 5457.0, 5688.0, 5396.0, 5579.0, 5371.0, 5520.0, 5342.0, 5538.0, 5665.0, 5382.0, 5397.0, 5636.0, 5357.0, 5676.0, 5601.0, 5644.0, 5677.0, 5287.0, 5473.0, 5483.0, 5669.0, 5306.0, 5549.0, 5431.0, 5387.0, 5499.0, 5533.0, 5366.0, 5529.0, 5317.0, 5521.0, 5720.0, 5438.0, 5565.0, 5318.0, 5536.0, 5512.0, 5587.0, 5519.0, 5605.0, 5550.0, 5349.0, 5283.0, 5703.0, 5273.0, 5507.0, 5679.0, 5452.0, 5680.0, 5654.0, 5419.0, 5407.0, 5672.0, 5348.0, 5480.0, 5505.0, 5673.0, 5343.0, 5322.0, 5435.0, 5568.0, 5638.0, 5265.0, 5556.0, 5413.0, 5630.0, 5464.0, 5271.0, 5333.0, 5624.0, 5555.0, 5381.0, 5482.0, 5576.0, 5666.0, 5264.0, 5289.0, 5660.0, 5496.0, 5410.0, 5548.0, 5511.0, 5622.0, 5255.0, 5694.0, 5402.0, 5559.0, 5657.0, 5639.0, 5534.0, 5711.0, 5525.0, 5510.0, 5590.0, 5610.0, 5286.0, 5618.0, 5710.0 (number of hits: 4)
24	5500	9	1	333	1	5584.0, 5522.0, 5588.0, 5408.0, 5531.0, 5572.0, 5646.0, 5392.0, 5436.0, 5471.0, 5538.0, 5438.0, 5520.0, 5286.0, 5608.0, 5581.0, 5604.0, 5320.0, 5340.0, 5614.0, 5475.0, 5580.0, 5659.0, 5586.0, 5617.0, 5257.0, 5560.0, 5315.0, 5412.0, 5265.0, 5510.0, 5507.0, 5511.0, 5498.0, 5618.0, 5399.0, 5601.0, 5415.0, 5677.0, 5676.0, 5660.0, 5332.0, 5441.0, 5335.0, 5429.0, 5387.0, 5591.0, 5642.0, 5649.0, 5449.0, 5355.0, 5451.0, 5336.0, 5275.0, 5410.0, 5700.0, 5489.0, 5720.0, 5648.0, 5706.0, 5597.0, 5574.0, 5670.0, 5496.0, 5473.0, 5550.0, 5704.0, 5378.0, 5557.0, 5576.0, 5542.0, 5452.0, 5643.0, 5262.0, 5525.0, 5541.0, 5683.0, 5366.0, 5316.0, 5539.0, 5313.0, 5535.0, 5554.0, 5339.0, 5296.0, 5566.0, 5585.0, 5288.0, 5547.0, 5464.0, 5252.0, 5423.0, 5279.0, 5462.0, 5384.0, 5620.0, 5308.0, 5321.0, 5456.0, 5500.0 (number of hits: 4)
25	5500	9	1	333	1	5457.0, 5716.0, 5283.0, 5583.0, 5577.0, 5417.0, 5682.0, 5564.0, 5443.0, 5272.0, 5494.0, 5269.0, 5529.0, 5362.0,

						5659.0, 5621.0, 5706.0, 5321.0, 5261.0, 5359.0, 5466.0, 5607.0, 5696.0, 5497.0, 5347.0, 5434.0, 5560.0, 5474.0, 5265.0, 5323.0, 5371.0, 5645.0, 5393.0, 5408.0, 5326.0, 5658.0, 5467.0, 5376.0, 5707.0, 5410.0, 5675.0, 5690.0, 5698.0, 5657.0, 5521.0, 5271.0, 5593.0, 5450.0, 5318.0, 5340.0, 5460.0, 5612.0, 5336.0, 5364.0, 5723.0, 5674.0, 5484.0, 5415.0, 5671.0, 5420.0, 5311.0, 5295.0, 5428.0, 5406.0, 5535.0, 5667.0, 5386.0, 5320.0, 5609.0, 5666.0, 5563.0, 5709.0, 5424.0, 5438.0, 5685.0, 5291.0, 5683.0, 5481.0, 5419.0, 5613.0, 5569.0, 5566.0, 5285.0, 5568.0, 5573.0, 5262.0, 5250.0, 5305.0, 5489.0, 5717.0, 5520.0, 5534.0, 5331.0, 5622.0, 5335.0, 5421.0, 5704.0, 5524.0, 5426.0, 5710.0 (number of hits: 2)
26	5500	9	1	333	1	5492.0, 5523.0, 5395.0, 5372.0, 5427.0, 5456.0, 5415.0, 5400.0, 5258.0, 5712.0, 5361.0, 5527.0, 5463.0, 5251.0, 5639.0, 5502.0, 5308.0, 5555.0, 5273.0, 5444.0, 5648.0, 5721.0, 5579.0, 5568.0, 5561.0, 5632.0, 5498.0, 5266.0, 5282.0, 5715.0, 5669.0, 5624.0, 5595.0, 5544.0, 5688.0, 5447.0, 5551.0, 5371.0, 5571.0, 5489.0, 5518.0, 5657.0, 5649.0, 5465.0, 5707.0, 5332.0, 5286.0, 5324.0, 5281.0, 5435.0, 5453.0, 5668.0, 5710.0, 5703.0, 5411.0, 5567.0, 5439.0, 5702.0, 5479.0, 5672.0, 5539.0, 5481.0, 5278.0, 5342.0, 5650.0, 5705.0, 5647.0, 5407.0, 5416.0, 5450.0, 5593.0, 5312.0, 5541.0, 5602.0, 5345.0, 5268.0, 5540.0, 5699.0, 5343.0, 5623.0, 5473.0, 5412.0, 5310.0, 5607.0, 5271.0, 5542.0, 5426.0, 5515.0, 5388.0, 5287.0, 5295.0, 5717.0, 5635.0, 5652.0, 5560.0, 5300.0, 5351.0, 5356.0, 5363.0, 5714.0 (number of hits: 3)
27	5500	9	1	333	1	5634.0, 5640.0, 5408.0, 5478.0, 5713.0, 5553.0, 5356.0, 5491.0, 5718.0, 5396.0, 5591.0, 5625.0, 5299.0, 5263.0, 5644.0, 5489.0, 5325.0, 5268.0, 5557.0, 5534.0, 5529.0, 5298.0, 5656.0, 5399.0, 5283.0, 5287.0, 5695.0, 5596.0, 5397.0, 5391.0, 5423.0, 5539.0, 5365.0, 5497.0, 5480.0, 5663.0, 5456.0, 5431.0, 5538.0, 5444.0, 5609.0, 5610.0, 5562.0, 5467.0, 5585.0, 5305.0, 5605.0, 5569.0, 5438.0, 5513.0, 5670.0, 5470.0, 5523.0, 5560.0, 5710.0, 5320.0, 5555.0, 5410.0, 5618.0, 5474.0, 5327.0, 5398.0, 5567.0, 5413.0, 5521.0, 5402.0, 5716.0, 5447.0, 5606.0, 5684.0, 5255.0, 5673.0, 5563.0, 5280.0, 5678.0, 5600.0, 5261.0, 5373.0, 5336.0, 5542.0, 5257.0, 5343.0, 5310.0, 5620.0, 5583.0, 5425.0, 5509.0, 5679.0, 5552.0, 5574.0, 5452.0, 5572.0, 5499.0, 5564.0, 5266.0, 5364.0, 5520.0, 5604.0, 5251.0, 5580.0 (number of hits: 4)
28	5500	9	1	333	1	5526.0, 5276.0, 5558.0, 5334.0, 5578.0, 5516.0, 5601.0, 5541.0, 5404.0, 5665.0, 5408.0, 5659.0, 5518.0, 5536.0, 5609.0, 5670.0, 5674.0, 5435.0, 5267.0, 5407.0, 5473.0, 5657.0, 5621.0, 5318.0, 5412.0, 5325.0, 5515.0, 5339.0, 5723.0, 5642.0, 5565.0, 5618.0, 5377.0, 5330.0, 5686.0, 5270.0, 5587.0, 5274.0, 5251.0, 5569.0, 5529.0, 5545.0, 5688.0, 5406.0, 5662.0, 5278.0, 5389.0, 5583.0, 5553.0, 5338.0, 5568.0, 5656.0, 5683.0, 5399.0, 5359.0, 5392.0, 5651.0, 5669.0, 5449.0, 5265.0, 5354.0, 5681.0, 5711.0, 5452.0, 5648.0, 5291.0, 5308.0, 5619.0, 5663.0, 5263.0, 5313.0, 5454.0, 5589.0, 5530.0, 5357.0, 5284.0, 5695.0, 5581.0, 5682.0, 5252.0, 5499.0, 5294.0, 5667.0, 5416.0, 5320.0, 5479.0, 5393.0, 5264.0, 5632.0, 5509.0, 5507.0, 5722.0, 5660.0, 5447.0, 5585.0, 5564.0, 5605.0, 5598.0, 5434.0, 5687.0 (number of hits: 3)
29	5500	9	1	333	1	5646.0, 5460.0, 5713.0, 5625.0, 5464.0, 5309.0, 5556.0, 5369.0, 5515.0, 5255.0, 5252.0, 5257.0, 5367.0, 5693.0, 5304.0, 5300.0, 5560.0, 5691.0, 5319.0, 5484.0, 5558.0, 5671.0, 5462.0, 5288.0, 5336.0, 5550.0, 5334.0, 5624.0,

						5634.0, 5686.0, 5574.0, 5477.0, 5359.0, 5543.0, 5609.0, 5364.0, 5328.0, 5518.0, 5398.0, 5395.0, 5465.0, 5273.0, 5306.0, 5317.0, 5502.0, 5549.0, 5282.0, 5456.0, 5637.0, 5705.0, 5326.0, 5612.0, 5723.0, 5521.0, 5376.0, 5485.0, 5567.0, 5678.0, 5685.0, 5649.0, 5529.0, 5320.0, 5638.0, 5440.0, 5271.0, 5526.0, 5676.0, 5264.0, 5699.0, 5393.0, 5499.0, 5633.0, 5382.0, 5615.0, 5650.0, 5720.0, 5385.0, 5329.0, 5688.0, 5337.0, 5256.0, 5338.0, 5673.0, 5538.0, 5408.0, 5532.0, 5268.0, 5310.0, 5284.0, 5667.0, 5400.0, 5572.0, 5595.0, 5721.0, 5447.0, 5533.0, 5668.0, 5604.0, 5616.0, 5314.0 (number of hits: 2)
30	5500	9	1	333	1	5326.0, 5400.0, 5526.0, 5351.0, 5458.0, 5494.0, 5255.0, 5343.0, 5692.0, 5258.0, 5714.0, 5316.0, 5319.0, 5514.0, 5482.0, 5460.0, 5715.0, 5357.0, 5383.0, 5611.0, 5318.0, 5599.0, 5681.0, 5497.0, 5537.0, 5545.0, 5522.0, 5490.0, 5578.0, 5282.0, 5444.0, 5568.0, 5604.0, 5286.0, 5713.0, 5267.0, 5544.0, 5547.0, 5379.0, 5511.0, 5643.0, 5658.0, 5663.0, 5322.0, 5256.0, 5560.0, 5527.0, 5388.0, 5581.0, 5266.0, 5349.0, 5654.0, 5324.0, 5366.0, 5521.0, 5495.0, 5413.0, 5489.0, 5447.0, 5566.0, 5292.0, 5610.0, 5505.0, 5476.0, 5471.0, 5525.0, 5561.0, 5374.0, 5457.0, 5696.0, 5479.0, 5283.0, 5468.0, 5470.0, 5615.0, 5624.0, 5628.0, 5520.0, 5704.0, 5716.0, 5403.0, 5617.0, 5646.0, 5535.0, 5529.0, 5461.0, 5676.0, 5675.0, 5493.0, 5673.0, 5271.0, 5555.0, 5590.0, 5722.0, 5364.0, 5580.0, 5503.0, 5518.0, 5361.0, 5707.0 (number of hits: 7)

5 GHz Radio 2+ 5 GHz AUX

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	90.0 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	86.7 %	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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	1	5510	70	1
2	5510	2	5510	58	1
3	5510	3	5510	61	1
4	5510	4	5510	99	1
5	5510	5	5510	76	1
6	5491	6	5510	89	1
7	5491	7	5510	62	1
8	5491	8	5510	74	0
9	5491	9	5510	102	1
10	5491	10	5510	63	1
11	5529	11	5510	65	1
12	5529	12	5510	18	1
13	5529	13	5510	78	1
14	5529	14	5510	68	1
15	5529	15	5510	81	1
16	5510	1	5510	28	1
17	5510	2	5510	36	1
18	5510	3	5510	32	1
19	5510	4	5510	19	1
20	5510	5	5510	23	1
21	5491	6	5510	44	1
22	5491	7	5510	83	1
23	5491	8	5510	30	1
24	5491	9	5510	39	1
25	5491	10	5510	65	1
26	5529	11	5510	87	1
27	5529	12	5510	28	1
28	5529	13	5510	20	1
29	5529	14	5510	49	1
30	5529	15	5510	41	1
Detection Percentage: 96.7 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	24	2.2	152	1
2	5510	27	3	226	1
3	5510	27	3	163	1
4	5510	27	1.5	160	1
5	5510	27	2.4	219	1
6	5510	24	3.4	217	1
7	5510	28	2	207	1
8	5510	23	1	184	1
9	5510	24	4.9	188	1
10	5510	27	4.4	180	1
11	5491	25	4.8	154	1
12	5491	27	2.9	205	1
13	5491	26	5	150	1
14	5491	23	3.2	219	1
15	5491	29	3.2	199	1
16	5491	28	2	150	1
17	5491	25	2.8	185	1
18	5491	24	4.7	150	0
19	5491	26	3.1	220	1
20	5491	24	3.6	164	1
21	5529	28	4.4	155	0
22	5529	23	4.8	159	1
23	5529	25	3.1	157	1
24	5529	29	4.5	197	1
25	5529	28	2.1	167	1
26	5529	23	2.5	165	1
27	5529	25	3.1	191	0
28	5529	29	4.5	200	1
29	5529	24	2.8	181	1
30	5529	27	3.5	175	1
Detection Percentage: 90.0 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	16	8.4	238	1
2	5510	17	6.5	449	1
3	5510	16	7.4	203	1
4	5510	16	9.3	220	0
5	5510	16	8.6	309	1
6	5510	16	8.2	279	1
7	5510	16	6.5	438	1
8	5510	17	9.5	345	1
9	5510	16	9.1	367	1
10	5510	16	8.5	451	1
11	5491	18	9	485	1
12	5491	16	9.2	210	1
13	5491	18	8.3	350	1
14	5491	16	6.4	349	1
15	5491	18	8.7	449	1
16	5491	16	8	312	1
17	5491	18	6.6	467	1
18	5491	18	7.8	261	1
19	5491	18	9.8	486	1
20	5491	18	9.6	274	1
21	5529	18	6.1	488	1
22	5529	17	9.9	293	1
23	5529	18	8.3	382	0
24	5529	18	6.9	209	1
25	5529	16	6.6	488	1
26	5529	16	7.6	486	1
27	5529	16	10	330	1
28	5529	18	6.5	306	1
29	5529	18	8.1	408	1
30	5529	18	7.8	323	1
Detection Percentage: 93.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	12	14.8	338	1
2	5510	15	12.8	356	1
3	5510	15	14.6	396	1
4	5510	12	18.4	263	1
5	5510	15	18.7	281	1
6	5510	13	17.5	297	1
7	5510	15	11.2	229	1
8	5510	12	17	416	1
9	5510	15	18.6	272	0
10	5510	15	14.2	220	1
11	5491	13	14.5	360	1
12	5491	15	11	250	0
13	5491	13	18.4	464	1
14	5491	14	13.9	415	1
15	5491	15	18.3	449	1
16	5491	13	15.5	393	1
17	5491	15	19.8	497	1
18	5491	12	11.3	211	1
19	5491	13	17.4	415	1
20	5491	15	15.2	452	1
21	5529	13	17.3	343	1
22	5529	13	16.4	427	0
23	5529	13	16.5	370	0
24	5529	12	15.7	384	1
25	5529	12	11.4	317	1
26	5529	12	13	255	1
27	5529	12	18.1	292	1
28	5529	14	12.5	210	1
29	5529	14	19	271	1
30	5529	14	14.7	218	1
Detection Percentage: 86.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5493.4	1
12	5493.0	1
13	5496.6	1
14	5496.2	1
15	5497.0	1
16	5496.2	1
17	5498.6	1
18	5493.8	1
19	5494.2	1
20	5493.4	1
21	5526.2	1
22	5522.2	1
23	5522.2	1
24	5523.8	1
25	5526.2	1
26	5524.2	1
27	5525.0	1
28	5521.4	1
29	5526.6	1
30	5525.4	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	12	54.2	1630		0.200488	1
1	3	12	88.5	1226	1804	0.818042	
2	1	12	84.5			1.948651	
3	2	12	70	1045		2.318322	
4	2	12	53.6	1759		3.122668	
5	2	12	50.5	1479		3.480565	
6	2	12	54.8	1818		4.597539	
7	2	12	98.9	1558		4.794481	
8	3	12	59.6	1863	1342	5.652894	
9	3	12	98.3	1012	1859	6.258907	
10	2	12	60.2	1255		6.997036	
11	3	12	79	1169	1568	7.961945	
12	3	12	71	1346	1155	8.647742	
13	2	12	95.6	1642		8.7311	
14	2	12	51.6	1592		9.804351	
15	2	12	64	1957		10.109733	
16	1	12	53.1			10.725608	
17	1	12	50.3			11.891823	

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	16	85.2			0.599562	1
1	2	16	64.4	1838		2.057168	
2	3	16	85.3	1855	1232	3.23143	
3	2	16	77.1	1807		4.429147	
4	2	16	60.3	1793		5.238406	
5	2	16	51.9	1693		6.122781	
6	2	16	53.2	1167		7.494529	
7	1	16	62.1			9.025745	
8	1	16	94			10.347476	
9	2	16	64.6	1364		11.938696	

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	56.6			0.8993	1
1	3	13	86.9	1211	1914	1.290684	
2	2	13	97.1	1474		2.915997	
3	1	13	59.5			3.747069	
4	2	13	52.2	1382		4.9206	
5	3	13	78.6	1023	1194	5.718049	
6	2	13	66.2	1922		6.604942	
7	2	13	88.9	1776		7.331603	
8	1	13	56.4			8.347223	
9	3	13	82.1	1568	1720	9.143563	
10	2	13	70.7	1132		10.416776	
11	2	13	64.4	1437		11.72931	

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	57.2	1074		0.496933	1
1	2	7	52.9	1927		1.458577	
2	3	7	72	1347	1180	1.641319	
3	3	7	81.9	1830	1948	3.075113	
4	1	7	67.3			3.543931	
5	3	7	63.1	1148	1747	4.038038	
6	2	7	57.7	1123		4.916921	
7	2	7	82.1	1559		5.626663	
8	2	7	95.4	1248		6.636357	
9	2	7	87.5	1717		7.798179	
10	3	7	99.4	1911	1832	8.592745	
11	1	7	98.3			9.207012	
12	3	7	58.2	1852	1839	10.114021	
13	2	7	54.5	1830		11.019068	
14	1	7	93.4			11.684616	

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	97.6	1709		0.507109	1
1	3	11	73.7	1935	1819	1.940325	
2	1	11	76.4			2.905898	
3	2	11	80.3	1467		3.886499	
4	3	11	62.2	1278	1300	5.045641	
5	2	11	76.4	1086		6.745236	
6	2	11	77.9	1723		8.147878	
7	3	11	84.2	1428	1355	9.429538	
8	2	11	68.8	1835		10.565027	
9	2	11	64.3	1324		11.916571	

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	7	72.8	1239	1657	0.388322	1
1	2	7	95.9	1430		1.203193	
2	2	7	61.7	1552		1.895271	
3	2	7	94.4	1777		3.332922	
4	2	7	89.6	1350		4.265164	
5	2	7	50.7	1957		4.806699	
6	2	7	96.4	1980		5.935007	
7	2	7	59.1	1807		6.506911	
8	1	7	79.1			6.946792	
9	2	7	89.7	1049		8.229006	
10	3	7	95.6	1246	1269	8.947558	
11	2	7	57.7	1235		9.610538	
12	2	7	69.5	1382		10.826222	
13	2	7	94.8	1460		11.144912	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	57.7	1446		0.252977	1
1	3	11	63.8	1232	1963	1.685128	
2	3	11	77.3	1233	1050	2.198065	
3	2	11	61.3	1455		3.024084	
4	2	11	69.9	1850		4.41837	
5	3	11	78.4	1357	1054	5.503903	
6	1	11	87.4			5.668528	
7	2	11	93.9	1477		7.355147	
8	1	11	69			8.18933	
9	3	11	54.7	1935	1864	8.44359	
10	3	11	55.6	1358	1478	9.585856	
11	2	11	82.8	1116		10.909016	
12	3	11	65.7	1696	1988	11.671211	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	67.6	1545	1006	0.703814	1
1	1	6	71.9			1.517303	
2	3	6	55.7	1920	1455	2.499224	
3	1	6	97.7			3.763737	
4	2	6	63.4	1299		4.430398	
5	2	6	71.1	1119		5.226067	
6	1	6	78.5			6.068946	
7	2	6	70.7	1737		7.49953	
8	2	6	56.1	1821		8.993168	
9	1	6	63.8			9.701663	
10	1	6	83.7			10.567184	
11	3	6	53.3	1334	1001	11.923532	

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	74.3			0.293039	1
1	2	11	83.2	1067		1.783376	
2	3	11	93.4	1237	1363	2.80431	
3	1	11	95.7			5.217857	
4	1	11	98			6.48963	
5	2	11	53.5	1100		7.70955	
6	1	11	86.7			9.279465	
7	2	11	95.8	1772		9.549055	
8	2	11	91.5	1004		11.859163	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	74.4	1397		0.50854	1
1	3	13	53.8	1755	1643	1.88972	
2	2	13	88.6	1885		2.617198	
3	1	13	63.4			3.779937	
4	3	13	55.3	1547	1430	4.055449	
5	3	13	88.2	1151	1549	5.365896	
6	1	13	97.4			6.575328	
7	1	13	96.2			7.226557	
8	2	13	77.1	1408		8.395227	
9	3	13	59.7	1136	1883	9.392899	
10	1	13	63.5			10.72278	
11	2	13	84.5	1763		11.035688	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	92.3			0.891017	
1	2	6	66.1	1919		1.774192	
2	3	6	92.4	1373	1200	2.144651	
3	1	6	94.8			3.438906	
4	2	6	85	1625		4.298795	
5	2	6	97	1968		5.178336	
6	2	6	88	1020		6.148325	1
7	2	6	99.8	1274		6.860395	
8	2	6	81.7	1110		7.707906	
9	3	6	96.5	1407	1883	8.894695	
10	2	6	95.5	1255		9.369447	
11	1	6	52.6			10.225736	
12	2	6	80.1	1281		11.263772	

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	89.1			0.622634	
1	2	5	61.6	1019		0.992859	
2	2	5	54.4	1047		1.964258	
3	3	5	84.1	1549	1701	2.613526	
4	2	5	90.2	1077		3.93824	
5	2	5	89.1	1487		4.263698	
6	3	5	74.3	1248	1309	5.127723	
7	1	5	61.3			6.332825	1
8	2	5	74	1356		6.522314	
9	2	5	85.2	1919		7.488636	
10	2	5	89	1036		8.543721	
11	2	5	66.8	1953		9.117522	
12	3	5	58.7	1795	1075	10.157482	
13	3	5	93.1	1056	1029	10.554422	
14	1	5	55.1			11.88564	

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	14	63.5	1881	1827	0.333605	1
1	2	14	91.4	1423		0.929328	
2	2	14	93.8	1399		1.789423	
3	3	14	68.5	1284	1317	2.717687	
4	2	14	86.4	1714		3.418813	
5	2	14	52.3	1700		3.855048	
6	3	14	67.5	1560	1339	5.208817	
7	3	14	75.7	1624	1387	5.723262	
8	2	14	59	1945		6.602808	
9	1	14	80.2			7.392991	
10	2	14	88.5	1772		8.065272	
11	2	14	61.4	1239		8.588555	
12	1	14	77.2			9.377579	
13	2	14	69.8	1075		9.804319	
14	2	14	73.6	1764		10.956305	
15	2	14	91.5	1586		11.857872	

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	13	73.6			0.578311	1
1	1	13	65			1.082537	
2	3	13	82.8	1351	1831	1.782071	
3	1	13	96.3			2.33881	
4	2	13	88.6	1814		3.052303	
5	2	13	88.4	1999		3.661674	
6	2	13	84.2	1883		4.848134	
7	1	13	91			5.2859	
8	1	13	86.3			5.766166	
9	3	13	69.1	1716	1216	6.397135	
10	2	13	60.6	1527		7.331339	
11	3	13	77.6	1005	1625	8.329319	
12	2	13	68.5	1013		8.753487	
13	2	13	84.7	1035		9.620168	
14	3	13	77.8	1760	1572	10.070138	
15	2	13	56.4	1706		10.937417	
16	2	13	64.5	1284		11.350738	

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	57.1			0.363043	
1	3	15	62.2	1804	1841	1.16662	
2	2	15	82.3	1274		1.495792	
3	2	15	62.4	1204		2.278932	
4	3	15	81.8	1234	1130	2.981805	
5	2	15	53.6	1726		3.5845	
6	3	15	52.2	1963	1185	3.854988	
7	2	15	79.8	1546		4.291068	
8	2	15	85.3	1290		4.919464	
9	1	15	65.5			5.626495	
10	3	15	62.1	1559	1438	6.565072	1
11	2	15	67.1	1265		7.103386	
12	1	15	61.7			7.720324	
13	3	15	59.9	1977	1664	7.908591	
14	2	15	71.8	1061		8.884284	
15	3	15	93.1	1989	1304	9.268817	
16	2	15	58.5	1075		9.977969	
17	2	15	50.5	1941		10.589443	
18	1	15	73.7			11.350078	
19	2	15	73	1324		11.900227	

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	13	80.9	1742	1229	0.850448	
1	2	13	94.6	1411		2.557292	
2	2	13	93.1	1281		2.774823	
3	2	13	75.3	1861		4.05019	
4	2	13	82.6	1913		5.966602	1
5	1	13	72			7.234141	
6	3	13	63.1	1549	1960	8.540779	
7	2	13	81.4	1338		9.894728	
8	1	13	62.1			11.972058	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	92.3			0.553153	
1	2	19	64.6	1475		1.152061	
2	3	19	68.7	1214	1627	1.791207	
3	2	19	76.9	1554		2.331628	
4	1	19	62.8			2.655262	
5	1	19	95.1			3.743765	
6	2	19	52.7	1438		3.885738	
7	2	19	55.5	1270		4.578148	
8	2	19	85.2	1069		5.240622	
9	2	19	72.2	1153		5.847572	1
10	2	19	88.4	1951		6.594431	
11	2	19	93.1	1038		7.474953	
12	1	19	69			7.816505	
13	2	19	63.3	1966		8.487912	
14	2	19	56.6	1070		9.186051	
15	2	19	61	1780		9.788357	
16	1	19	82.7			10.644834	
17	3	19	58.8	1738	1625	11.318827	
18	3	19	96.4	1049	1122	11.885368	

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	7	76.5	1779		0.300415	
1	3	7	69.8	1851	1305	1.310697	
2	2	7	79.9	1748		1.649453	
3	2	7	82.4	1510		2.177295	
4	2	7	96.5	1614		3.15383	
5	1	7	51.5			4.105113	
6	2	7	80.3	1665		4.439632	
7	2	7	94.4	1104		5.212606	
8	2	7	77.1	1780		5.702737	1
9	2	7	80.2	1578		6.698685	
10	2	7	67.9	1789		7.173846	
11	2	7	94.7	1758		8.078468	
12	2	7	68.7	1985		9.043559	
13	1	7	59.4			9.51599	
14	2	7	67.9	1816		10.10362	
15	1	7	63.6			10.990616	
16	2	7	69.4	1002		11.566354	

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	8	70.5	1358	1235	1.058065	
1	3	8	71.5	1444	1824	1.683296	
2	2	8	93.7	1460		3.010459	
3	3	8	92.2	1761	1543	3.748017	
4	2	8	65.9	1809		5.011851	
5	1	8	79.1			5.768435	1
6	2	8	99.4	1471		6.992761	
7	2	8	69.7	1698		7.794838	
8	3	8	99.4	1595	1084	9.770321	
9	1	8	64			10.196317	
10	2	8	74.5	1663		11.173469	

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	6	60			0.515959	
1	3	6	79.1	1634	1577	1.44237	
2	3	6	59.4	1284	1597	2.285628	
3	2	6	72	1549		3.308861	
4	2	6	81	1032		4.949061	
5	2	6	65.5	1501		5.521347	1
6	1	6	79.3			6.815948	
7	1	6	67.7			8.447723	
8	2	6	77	1644		9.63675	
9	2	6	71.1	1920		10.31811	
10	2	6	77.6	1825		11.113446	

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	73.9	1270		0.265467	
1	3	7	93.6	1050	1168	1.234085	
2	3	7	61.6	1732	1401	2.03166	
3	1	7	69.2			3.372515	
4	3	7	93.7	1075	1529	4.03116	
5	2	7	53.4	1213		5.078629	
6	2	7	96.4	1581		6.330095	1
7	2	7	75.9	1269		6.556369	
8	2	7	50.9	1910		7.73094	
9	2	7	60.1	1131		8.997188	
10	3	7	84.5	1797	1398	9.521207	
11	2	7	61.1	1891		11.018879	
12	2	7	76.4	1571		11.373811	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	66.9	1079		0.585494	
1	1	17	88.8			0.813538	
2	2	17	94.2	1019		1.501497	
3	2	17	64.3	1080		2.19867	
4	1	17	60.6			3.012065	
5	2	17	72	1421		3.168953	
6	3	17	58.4	1799	1683	4.038094	
7	2	17	77.2	1560		4.972515	
8	1	17	60.6			5.264186	
9	3	17	90.1	1251	1375	5.714711	0
10	1	17	75.5			6.727517	
11	2	17	57.4	1500		7.396145	
12	2	17	98.1	1012		7.840118	
13	3	17	77.1	1967	1343	8.507803	
14	2	17	59.3	1677		9.331012	
15	1	17	93.8			9.56642	
16	1	17	63.8			10.460612	
17	2	17	63.2	1520		10.799945	
18	3	17	68.4	1270	1656	11.970125	

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	66.9	1267	1315	0.47814	
1	2	17	69.3	1302		1.034689	
2	2	17	55.2	1295		1.920956	
3	2	17	54	1795		2.763267	
4	2	17	83	1787		3.280519	
5	2	17	71.2	1911		3.81605	
6	1	17	73.4			4.659983	
7	3	17	92.5	1919	1886	4.963405	
8	3	17	72.1	1607	1439	5.679522	1
9	2	17	95.5	1723		6.563231	
10	2	17	95.7	1855		7.069819	
11	3	17	91.2	1768	1940	8.004594	
12	3	17	86	1773	1497	9.087819	
13	2	17	70.2	1059		9.746375	
14	3	17	77.9	1798	1219	10.428401	
15	2	17	67.9	1011		10.754163	
16	2	17	76.1	1330		11.979212	

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	13	68.1			0.348134	
1	1	13	61.4			0.802051	
2	2	13	55.4	1009		2.110832	
3	2	13	68	1321		2.777372	
4	2	13	58.4	1301		2.940641	
5	3	13	52.7	1462	1513	3.753259	
6	1	13	77.2			4.632906	
7	3	13	57.5	1382	1642	5.13505	
8	2	13	78.8	1621		5.673381	1
9	2	13	96.1	1740		6.755594	
10	1	13	75.5			7.174871	
11	2	13	98.1	1250		8.023349	
12	2	13	62.9	1916		8.629015	
13	2	13	66.9	1312		9.564058	
14	3	13	72.1	1650	1872	9.967005	
15	2	13	52.8	1661		10.791229	
16	2	13	78	1121		11.966549	

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	7	98.9			0.727623	1
1	3	7	99.8	1868	1624	2.35215	
2	1	7	71.2			2.790527	
3	3	7	72.2	1624	1470	3.672971	
4	3	7	88.7	1531	1522	5.295582	
5	2	7	58.8	1955		6.392489	
6	2	7	57.2	1267		8.383976	
7	1	7	68.5			9.456204	
8	2	7	56.5	1038		10.125827	
9	2	7	62.9	1533		11.693744	

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	76.9	1424		0.786949	1
1	1	12	79.4			1.158786	
2	3	12	68.8	1837	1365	2.747331	
3	2	12	92.3	1512		3.804113	
4	1	12	73.6			4.752354	
5	2	12	99.2	1227		5.911618	
6	2	12	52.2	1186		6.213618	
7	3	12	60.9	1710	1077	7.760811	
8	2	12	67.4	1447		8.888799	
9	2	12	54.9	1319		9.596316	
10	2	12	62.2	1226		10.11715	
11	2	12	69	1948		11.617904	

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	82.3	1479		1.021851	1
1	2	10	97.5	1096		1.648381	
2	3	10	61.6	1107	1117	2.624405	
3	3	10	59.9	1692	1790	3.396751	
4	3	10	65.1	1796	1775	4.484066	
5	2	10	85	1511		6.282192	
6	2	10	89.7	1420		7.02022	
7	3	10	69.2	1505	1928	8.10468	
8	2	10	96.1	1801		9.25629	
9	2	10	92.4	1247		10.087361	
10	1	10	93.7			11.021567	

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	19	94.1			0.169853	1
1	2	19	82.7	1779		1.343326	
2	3	19	79.2	1413	1085	3.113486	
3	2	19	93.5	1390		3.653054	
4	2	19	50.9	1612		5.462097	
5	2	19	72.6	1608		6.216254	
6	2	19	51.2	1481		8.388861	
7	1	19	67.5			8.552548	
8	1	19	84			9.759579	
9	2	19	67.6	1898		11.992475	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	55.7	1721	1251	0.753944	1
1	2	6	61.1	1854		1.460628	
2	2	6	75.6	1283		3.528067	
3	2	6	61.1	1670		4.222841	
4	1	6	90			5.054723	
5	2	6	61.9	1304		6.376127	
6	2	6	98.5	1123		7.534179	
7	3	6	69.6	1323	1061	8.546941	
8	3	6	61.4	1910	1214	9.60063	
9	1	6	99.2			11.157578	

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	83.2	1456		0.811534	1
1	1	9	70			2.170027	
2	3	9	97	1469	1196	2.476914	
3	2	9	79	1952		4.042345	
4	3	9	83	1156	1601	4.533682	
5	2	9	53.8	1769		6.362135	
6	1	9	64.8			6.614934	
7	3	9	73	1763	1678	8.22628	
8	2	9	80.2	1661		9.7952	
9	1	9	57.1			10.720697	
10	3	9	94.1	1792	1218	11.711952	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510	9	1	333	1	5374.0, 5373.0, 5446.0, 5455.0, 5537.0, 5461.0, 5316.0, 5697.0, 5311.0, 5468.0, 5435.0, 5564.0, 5292.0, 5434.0, 5702.0, 5271.0, 5378.0, 5445.0, 5608.0, 5268.0, 5342.0, 5683.0, 5432.0, 5696.0, 5354.0, 5670.0, 5269.0, 5488.0, 5364.0, 5287.0, 5698.0, 5415.0, 5391.0, 5486.0, 5276.0, 5653.0, 5636.0, 5692.0, 5641.0, 5662.0, 5293.0, 5722.0, 5393.0, 5522.0, 5688.0, 5666.0, 5365.0, 5598.0, 5626.0, 5410.0, 5405.0, 5366.0, 5685.0, 5510.0, 5471.0, 5661.0, 5594.0, 5351.0, 5609.0, 5595.0, 5348.0, 5523.0, 5454.0, 5694.0, 5331.0, 5388.0, 5347.0, 5394.0, 5338.0, 5407.0, 5717.0, 5396.0, 5429.0, 5582.0, 5297.0, 5369.0, 5477.0, 5305.0, 5428.0, 5524.0, 5675.0, 5431.0, 5352.0, 5607.0, 5370.0, 5329.0, 5308.0, 5637.0, 5255.0, 5575.0, 5459.0, 5274.0, 5720.0, 5525.0, 5515.0, 5630.0, 5266.0, 5291.0, 5536.0, 5617.0 (number of hits: 6)
2	5510	9	1	333	1	5405.0, 5635.0, 5512.0, 5557.0, 5381.0, 5306.0, 5596.0, 5280.0, 5331.0, 5320.0, 5498.0, 5388.0, 5426.0, 5493.0, 5332.0, 5677.0, 5294.0, 5417.0, 5421.0, 5323.0, 5275.0, 5370.0, 5346.0, 5358.0, 5413.0, 5270.0, 5253.0, 5490.0, 5587.0, 5562.0, 5466.0, 5307.0, 5638.0, 5595.0, 5314.0, 5481.0, 5708.0, 5483.0, 5350.0, 5335.0, 5646.0, 5359.0, 5377.0, 5328.0, 5261.0, 5615.0, 5438.0, 5695.0, 5540.0, 5329.0, 5625.0, 5644.0, 5641.0, 5347.0, 5548.0, 5709.0, 5396.0, 5387.0, 5269.0, 5355.0, 5662.0, 5566.0, 5598.0, 5471.0, 5428.0, 5649.0, 5456.0, 5371.0, 5289.0, 5538.0, 5676.0, 5452.0, 5451.0, 5380.0, 5702.0, 5273.0, 5713.0, 5686.0, 5470.0, 5343.0, 5623.0, 5326.0, 5325.0, 5268.0, 5545.0, 5485.0, 5499.0, 5375.0, 5322.0, 5305.0, 5431.0, 5624.0, 5455.0, 5679.0, 5513.0, 5495.0, 5406.0, 5575.0, 5482.0, 5542.0 (number of hits: 6)
3	5510	9	1	333	1	5417.0, 5457.0, 5603.0, 5499.0, 5674.0, 5311.0, 5612.0, 5570.0, 5362.0, 5579.0, 5376.0, 5421.0, 5628.0, 5588.0, 5525.0, 5491.0, 5600.0, 5520.0, 5435.0, 5554.0, 5617.0, 5358.0, 5271.0, 5388.0, 5431.0, 5427.0, 5699.0, 5509.0, 5432.0, 5487.0, 5365.0, 5330.0, 5719.0, 5622.0, 5451.0, 5353.0, 5465.0, 5626.0, 5539.0, 5645.0, 5442.0, 5264.0, 5290.0, 5441.0, 5462.0, 5698.0, 5351.0, 5569.0, 5375.0, 5516.0, 5611.0, 5396.0, 5623.0, 5638.0, 5461.0, 5574.0, 5597.0, 5294.0, 5581.0, 5584.0, 5707.0, 5644.0, 5678.0, 5382.0, 5428.0, 5384.0, 5275.0, 5692.0, 5549.0, 5369.0,

						5482.0, 5493.0, 5394.0, 5320.0, 5418.0, 5497.0, 5672.0, 5260.0, 5471.0, 5681.0, 5566.0, 5530.0, 5543.0, 5712.0, 5637.0, 5572.0, 5658.0, 5341.0, 5328.0, 5685.0, 5515.0, 5522.0, 5413.0, 5296.0, 5281.0, 5492.0, 5397.0, 5415.0, 5434.0, 5261.0 (number of hits: 11)
4	5510	9	1	333	1	5687.0, 5698.0, 5357.0, 5509.0, 5718.0, 5640.0, 5714.0, 5301.0, 5622.0, 5579.0, 5576.0, 5255.0, 5418.0, 5527.0, 5694.0, 5688.0, 5661.0, 5399.0, 5652.0, 5505.0, 5256.0, 5343.0, 5569.0, 5655.0, 5474.0, 5719.0, 5254.0, 5713.0, 5588.0, 5252.0, 5664.0, 5345.0, 5392.0, 5426.0, 5499.0, 5274.0, 5312.0, 5540.0, 5285.0, 5542.0, 5598.0, 5273.0, 5263.0, 5556.0, 5283.0, 5545.0, 5437.0, 5697.0, 5317.0, 5381.0, 5558.0, 5396.0, 5475.0, 5307.0, 5567.0, 5608.0, 5296.0, 5315.0, 5568.0, 5478.0, 5368.0, 5299.0, 5591.0, 5539.0, 5503.0, 5306.0, 5330.0, 5366.0, 5411.0, 5356.0, 5469.0, 5349.0, 5704.0, 5660.0, 5311.0, 5352.0, 5600.0, 5496.0, 5574.0, 5565.0, 5358.0, 5674.0, 5573.0, 5420.0, 5302.0, 5667.0, 5412.0, 5305.0, 5619.0, 5265.0, 5287.0, 5602.0, 5531.0, 5429.0, 5676.0, 5257.0, 5276.0, 5440.0, 5417.0, 5717.0 (number of hits: 6)
5	5510	9	1	333	1	5722.0, 5683.0, 5695.0, 5348.0, 5302.0, 5664.0, 5519.0, 5311.0, 5270.0, 5678.0, 5555.0, 5261.0, 5378.0, 5357.0, 5502.0, 5416.0, 5305.0, 5269.0, 5414.0, 5690.0, 5554.0, 5475.0, 5285.0, 5343.0, 5402.0, 5525.0, 5338.0, 5320.0, 5577.0, 5617.0, 5397.0, 5411.0, 5409.0, 5284.0, 5652.0, 5536.0, 5380.0, 5384.0, 5541.0, 5627.0, 5371.0, 5584.0, 5578.0, 5476.0, 5679.0, 5514.0, 5700.0, 5318.0, 5276.0, 5513.0, 5507.0, 5448.0, 5250.0, 5604.0, 5718.0, 5658.0, 5549.0, 5410.0, 5546.0, 5334.0, 5675.0, 5262.0, 5349.0, 5709.0, 5266.0, 5551.0, 5720.0, 5298.0, 5543.0, 5579.0, 5459.0, 5538.0, 5515.0, 5712.0, 5440.0, 5641.0, 5281.0, 5705.0, 5282.0, 5330.0, 5404.0, 5626.0, 5665.0, 5594.0, 5660.0, 5444.0, 5713.0, 5631.0, 5602.0, 5436.0, 5539.0, 5643.0, 5273.0, 5498.0, 5439.0, 5392.0, 5453.0, 5351.0, 5307.0, 5719.0 (number of hits: 8)
6	5510	9	1	333	1	5381.0, 5517.0, 5617.0, 5600.0, 5690.0, 5388.0, 5350.0, 5672.0, 5277.0, 5459.0, 5706.0, 5466.0, 5424.0, 5483.0, 5364.0, 5551.0, 5319.0, 5432.0, 5570.0, 5280.0, 5413.0, 5366.0, 5697.0, 5398.0, 5328.0, 5367.0, 5663.0, 5698.0, 5477.0, 5547.0, 5313.0, 5451.0, 5433.0, 5431.0, 5630.0, 5427.0, 5440.0, 5581.0, 5290.0, 5343.0, 5356.0, 5308.0, 5605.0, 5616.0, 5525.0, 5358.0, 5473.0, 5638.0, 5705.0, 5573.0, 5399.0, 5693.0, 5261.0, 5559.0, 5416.0, 5272.0, 5712.0, 5510.0, 5269.0, 5395.0, 5262.0, 5565.0, 5400.0, 5325.0, 5336.0,

						5643.0, 5390.0, 5326.0, 5695.0, 5598.0, 5620.0, 5450.0, 5317.0, 5567.0, 5719.0, 5653.0, 5379.0, 5671.0, 5258.0, 5539.0, 5396.0, 5329.0, 5320.0, 5347.0, 5488.0, 5370.0, 5338.0, 5521.0, 5486.0, 5609.0, 5386.0, 5619.0, 5461.0, 5580.0, 5519.0, 5632.0, 5496.0, 5702.0, 5512.0, 5611.0 (number of hits: 7)
7	5510	9	1	333	1	5252.0, 5365.0, 5678.0, 5724.0, 5550.0, 5498.0, 5682.0, 5711.0, 5577.0, 5436.0, 5524.0, 5464.0, 5385.0, 5697.0, 5338.0, 5466.0, 5503.0, 5435.0, 5314.0, 5601.0, 5401.0, 5427.0, 5383.0, 5472.0, 5318.0, 5686.0, 5260.0, 5441.0, 5255.0, 5654.0, 5505.0, 5704.0, 5402.0, 5634.0, 5574.0, 5420.0, 5281.0, 5525.0, 5625.0, 5564.0, 5651.0, 5416.0, 5266.0, 5335.0, 5718.0, 5613.0, 5376.0, 5605.0, 5700.0, 5541.0, 5273.0, 5370.0, 5442.0, 5706.0, 5452.0, 5374.0, 5407.0, 5319.0, 5695.0, 5551.0, 5295.0, 5608.0, 5381.0, 5555.0, 5620.0, 5328.0, 5665.0, 5360.0, 5443.0, 5411.0, 5389.0, 5470.0, 5469.0, 5359.0, 5633.0, 5366.0, 5474.0, 5554.0, 5337.0, 5341.0, 5514.0, 5690.0, 5663.0, 5316.0, 5674.0, 5476.0, 5677.0, 5590.0, 5559.0, 5274.0, 5563.0, 5495.0, 5589.0, 5396.0, 5696.0, 5363.0, 5392.0, 5662.0, 5322.0, 5481.0 (number of hits: 7)
8	5510	9	1	333	1	5686.0, 5474.0, 5361.0, 5399.0, 5706.0, 5665.0, 5398.0, 5576.0, 5533.0, 5626.0, 5393.0, 5645.0, 5682.0, 5259.0, 5708.0, 5387.0, 5315.0, 5253.0, 5503.0, 5692.0, 5578.0, 5441.0, 5689.0, 5381.0, 5527.0, 5542.0, 5482.0, 5449.0, 5301.0, 5313.0, 5630.0, 5401.0, 5593.0, 5539.0, 5669.0, 5723.0, 5616.0, 5515.0, 5712.0, 5268.0, 5561.0, 5486.0, 5426.0, 5425.0, 5571.0, 5349.0, 5634.0, 5403.0, 5513.0, 5704.0, 5344.0, 5499.0, 5282.0, 5264.0, 5581.0, 5286.0, 5617.0, 5279.0, 5414.0, 5364.0, 5316.0, 5303.0, 5657.0, 5525.0, 5417.0, 5351.0, 5434.0, 5570.0, 5688.0, 5287.0, 5506.0, 5272.0, 5659.0, 5531.0, 5643.0, 5602.0, 5492.0, 5430.0, 5670.0, 5613.0, 5493.0, 5679.0, 5484.0, 5366.0, 5321.0, 5260.0, 5332.0, 5369.0, 5463.0, 5395.0, 5478.0, 5307.0, 5339.0, 5558.0, 5346.0, 5397.0, 5291.0, 5677.0, 5716.0, 5479.0 (number of hits: 9)
9	5510	9	1	333	1	5582.0, 5485.0, 5560.0, 5438.0, 5269.0, 5593.0, 5695.0, 5602.0, 5699.0, 5676.0, 5506.0, 5343.0, 5597.0, 5606.0, 5454.0, 5469.0, 5626.0, 5430.0, 5442.0, 5679.0, 5537.0, 5259.0, 5627.0, 5621.0, 5301.0, 5433.0, 5583.0, 5419.0, 5382.0, 5500.0, 5364.0, 5474.0, 5279.0, 5538.0, 5649.0, 5325.0, 5359.0, 5405.0, 5360.0, 5562.0, 5346.0, 5709.0, 5678.0, 5256.0, 5688.0, 5428.0, 5427.0, 5265.0, 5536.0, 5492.0, 5605.0, 5594.0, 5646.0, 5644.0, 5673.0, 5570.0, 5588.0, 5647.0, 5655.0, 5407.0,

						5471.0, 5466.0, 5358.0, 5635.0, 5406.0, 5488.0, 5689.0, 5545.0, 5684.0, 5356.0, 5706.0, 5714.0, 5550.0, 5373.0, 5504.0, 5482.0, 5385.0, 5512.0, 5675.0, 5412.0, 5281.0, 5413.0, 5501.0, 5535.0, 5539.0, 5572.0, 5383.0, 5392.0, 5546.0, 5311.0, 5614.0, 5493.0, 5499.0, 5387.0, 5651.0, 5439.0, 5619.0, 5409.0, 5609.0, 5318.0 (number of hits: 8)
10	5510	9	1	333	1	5541.0, 5588.0, 5294.0, 5341.0, 5493.0, 5639.0, 5473.0, 5427.0, 5360.0, 5610.0, 5586.0, 5295.0, 5520.0, 5339.0, 5487.0, 5285.0, 5471.0, 5515.0, 5683.0, 5335.0, 5576.0, 5253.0, 5637.0, 5319.0, 5441.0, 5709.0, 5684.0, 5262.0, 5714.0, 5557.0, 5672.0, 5281.0, 5668.0, 5458.0, 5615.0, 5278.0, 5340.0, 5563.0, 5678.0, 5506.0, 5401.0, 5644.0, 5365.0, 5523.0, 5251.0, 5662.0, 5565.0, 5711.0, 5412.0, 5284.0, 5469.0, 5530.0, 5444.0, 5651.0, 5572.0, 5546.0, 5271.0, 5342.0, 5648.0, 5336.0, 5474.0, 5307.0, 5688.0, 5571.0, 5712.0, 5598.0, 5322.0, 5421.0, 5625.0, 5422.0, 5607.0, 5279.0, 5504.0, 5363.0, 5355.0, 5491.0, 5627.0, 5716.0, 5645.0, 5613.0, 5673.0, 5451.0, 5564.0, 5383.0, 5713.0, 5547.0, 5593.0, 5519.0, 5256.0, 5626.0, 5486.0, 5391.0, 5527.0, 5538.0, 5532.0, 5317.0, 5559.0, 5402.0, 5480.0, 5468.0 (number of hits: 9)
11	5510	9	1	333	1	5528.0, 5343.0, 5306.0, 5505.0, 5578.0, 5492.0, 5568.0, 5298.0, 5647.0, 5530.0, 5689.0, 5710.0, 5621.0, 5439.0, 5540.0, 5576.0, 5254.0, 5702.0, 5463.0, 5329.0, 5541.0, 5403.0, 5633.0, 5581.0, 5295.0, 5433.0, 5361.0, 5416.0, 5684.0, 5424.0, 5271.0, 5513.0, 5384.0, 5698.0, 5420.0, 5625.0, 5322.0, 5443.0, 5469.0, 5291.0, 5318.0, 5430.0, 5618.0, 5330.0, 5579.0, 5438.0, 5632.0, 5699.0, 5613.0, 5460.0, 5533.0, 5712.0, 5390.0, 5297.0, 5685.0, 5265.0, 5723.0, 5459.0, 5345.0, 5590.0, 5418.0, 5425.0, 5566.0, 5413.0, 5396.0, 5269.0, 5502.0, 5315.0, 5256.0, 5623.0, 5670.0, 5346.0, 5458.0, 5446.0, 5338.0, 5337.0, 5490.0, 5510.0, 5336.0, 5586.0, 5692.0, 5620.0, 5467.0, 5275.0, 5707.0, 5486.0, 5715.0, 5599.0, 5582.0, 5307.0, 5487.0, 5305.0, 5367.0, 5497.0, 5641.0, 5717.0, 5352.0, 5317.0, 5577.0, 5619.0 (number of hits: 7)
12	5510	9	1	333	1	5706.0, 5393.0, 5439.0, 5549.0, 5718.0, 5447.0, 5720.0, 5319.0, 5709.0, 5644.0, 5269.0, 5618.0, 5677.0, 5550.0, 5639.0, 5655.0, 5609.0, 5617.0, 5456.0, 5512.0, 5547.0, 5596.0, 5641.0, 5359.0, 5543.0, 5307.0, 5436.0, 5312.0, 5251.0, 5303.0, 5452.0, 5284.0, 5441.0, 5638.0, 5574.0, 5479.0, 5494.0, 5663.0, 5415.0, 5458.0, 5603.0, 5624.0, 5505.0, 5418.0, 5325.0, 5517.0, 5446.0, 5308.0, 5556.0, 5417.0, 5570.0, 5633.0, 5579.0, 5531.0, 5285.0,

						5496.0, 5511.0, 5623.0, 5685.0, 5665.0, 5403.0, 5286.0, 5457.0, 5380.0, 5661.0, 5371.0, 5368.0, 5509.0, 5282.0, 5386.0, 5560.0, 5501.0, 5273.0, 5430.0, 5569.0, 5395.0, 5399.0, 5462.0, 5632.0, 5272.0, 5304.0, 5406.0, 5698.0, 5616.0, 5384.0, 5432.0, 5622.0, 5700.0, 5575.0, 5461.0, 5356.0, 5563.0, 5271.0, 5426.0, 5433.0, 5703.0, 5261.0, 5390.0, 5540.0, 5506.0 (number of hits: 9)
13	5510	9	1	333	1	5428.0, 5714.0, 5460.0, 5413.0, 5442.0, 5565.0, 5705.0, 5461.0, 5349.0, 5426.0, 5415.0, 5480.0, 5634.0, 5671.0, 5334.0, 5561.0, 5395.0, 5594.0, 5543.0, 5716.0, 5636.0, 5469.0, 5638.0, 5646.0, 5474.0, 5710.0, 5569.0, 5527.0, 5691.0, 5603.0, 5529.0, 5472.0, 5404.0, 5611.0, 5401.0, 5515.0, 5430.0, 5432.0, 5545.0, 5600.0, 5278.0, 5341.0, 5456.0, 5641.0, 5573.0, 5381.0, 5458.0, 5605.0, 5486.0, 5655.0, 5578.0, 5555.0, 5424.0, 5388.0, 5310.0, 5505.0, 5584.0, 5685.0, 5368.0, 5298.0, 5300.0, 5338.0, 5425.0, 5325.0, 5454.0, 5281.0, 5514.0, 5616.0, 5668.0, 5417.0, 5287.0, 5437.0, 5506.0, 5715.0, 5495.0, 5261.0, 5583.0, 5340.0, 5699.0, 5354.0, 5435.0, 5512.0, 5494.0, 5628.0, 5279.0, 5452.0, 5684.0, 5591.0, 5421.0, 5481.0, 5411.0, 5680.0, 5366.0, 5342.0, 5633.0, 5577.0, 5299.0, 5363.0, 5509.0, 5276.0 (number of hits: 9)
14	5510	9	1	333	1	5645.0, 5572.0, 5559.0, 5294.0, 5530.0, 5437.0, 5594.0, 5459.0, 5476.0, 5390.0, 5539.0, 5489.0, 5461.0, 5297.0, 5616.0, 5430.0, 5382.0, 5438.0, 5714.0, 5339.0, 5424.0, 5383.0, 5520.0, 5567.0, 5306.0, 5465.0, 5693.0, 5446.0, 5558.0, 5664.0, 5715.0, 5518.0, 5496.0, 5556.0, 5565.0, 5590.0, 5262.0, 5641.0, 5497.0, 5637.0, 5447.0, 5542.0, 5710.0, 5582.0, 5661.0, 5287.0, 5337.0, 5251.0, 5600.0, 5402.0, 5599.0, 5445.0, 5592.0, 5657.0, 5444.0, 5615.0, 5328.0, 5529.0, 5578.0, 5677.0, 5545.0, 5502.0, 5568.0, 5618.0, 5460.0, 5522.0, 5282.0, 5633.0, 5314.0, 5258.0, 5394.0, 5273.0, 5656.0, 5519.0, 5267.0, 5299.0, 5454.0, 5376.0, 5410.0, 5504.0, 5627.0, 5528.0, 5432.0, 5614.0, 5483.0, 5683.0, 5316.0, 5325.0, 5634.0, 5584.0, 5500.0, 5292.0, 5717.0, 5391.0, 5575.0, 5452.0, 5595.0, 5541.0, 5509.0, 5524.0 (number of hits: 12)
15	5510	9	1	333	1	5647.0, 5563.0, 5350.0, 5574.0, 5655.0, 5659.0, 5564.0, 5295.0, 5506.0, 5704.0, 5386.0, 5434.0, 5447.0, 5457.0, 5279.0, 5454.0, 5559.0, 5628.0, 5589.0, 5653.0, 5317.0, 5348.0, 5392.0, 5694.0, 5622.0, 5256.0, 5330.0, 5588.0, 5467.0, 5297.0, 5263.0, 5315.0, 5491.0, 5555.0, 5462.0, 5358.0, 5268.0, 5615.0, 5425.0, 5280.0, 5320.0, 5511.0, 5389.0, 5648.0, 5641.0, 5253.0, 5525.0, 5423.0, 5590.0, 5292.0,

						5323.0, 5634.0, 5605.0, 5334.0, 5349.0, 5579.0, 5352.0, 5650.0, 5624.0, 5664.0, 5331.0, 5684.0, 5259.0, 5309.0, 5503.0, 5353.0, 5625.0, 5597.0, 5507.0, 5442.0, 5492.0, 5372.0, 5677.0, 5670.0, 5299.0, 5544.0, 5551.0, 5252.0, 5294.0, 5443.0, 5282.0, 5385.0, 5678.0, 5513.0, 5416.0, 5529.0, 5362.0, 5455.0, 5251.0, 5501.0, 5316.0, 5326.0, 5527.0, 5575.0, 5567.0, 5614.0, 5616.0, 5327.0, 5402.0, 5342.0 (number of hits: 10)
16	5510	9	1	333	1	5654.0, 5650.0, 5473.0, 5620.0, 5544.0, 5557.0, 5444.0, 5390.0, 5591.0, 5411.0, 5503.0, 5424.0, 5318.0, 5457.0, 5402.0, 5374.0, 5577.0, 5634.0, 5717.0, 5691.0, 5326.0, 5506.0, 5702.0, 5328.0, 5487.0, 5408.0, 5275.0, 5426.0, 5441.0, 5476.0, 5498.0, 5524.0, 5273.0, 5633.0, 5382.0, 5692.0, 5420.0, 5614.0, 5313.0, 5603.0, 5361.0, 5440.0, 5555.0, 5380.0, 5564.0, 5532.0, 5428.0, 5283.0, 5277.0, 5594.0, 5330.0, 5600.0, 5536.0, 5261.0, 5332.0, 5450.0, 5475.0, 5414.0, 5317.0, 5495.0, 5439.0, 5718.0, 5687.0, 5617.0, 5377.0, 5406.0, 5474.0, 5266.0, 5567.0, 5456.0, 5663.0, 5672.0, 5500.0, 5259.0, 5272.0, 5712.0, 5267.0, 5256.0, 5511.0, 5588.0, 5586.0, 5385.0, 5635.0, 5531.0, 5292.0, 5464.0, 5413.0, 5364.0, 5304.0, 5592.0, 5436.0, 5316.0, 5713.0, 5300.0, 5629.0, 5578.0, 5522.0, 5257.0, 5297.0, 5321.0 (number of hits: 8)
17	5510	9	1	333	1	5442.0, 5404.0, 5253.0, 5592.0, 5689.0, 5586.0, 5657.0, 5604.0, 5485.0, 5707.0, 5610.0, 5335.0, 5541.0, 5454.0, 5343.0, 5472.0, 5284.0, 5401.0, 5471.0, 5651.0, 5464.0, 5491.0, 5445.0, 5568.0, 5455.0, 5487.0, 5318.0, 5337.0, 5601.0, 5437.0, 5423.0, 5281.0, 5273.0, 5293.0, 5364.0, 5367.0, 5696.0, 5551.0, 5305.0, 5668.0, 5559.0, 5387.0, 5496.0, 5450.0, 5571.0, 5596.0, 5535.0, 5676.0, 5618.0, 5283.0, 5417.0, 5475.0, 5670.0, 5322.0, 5402.0, 5678.0, 5650.0, 5675.0, 5660.0, 5692.0, 5713.0, 5641.0, 5663.0, 5628.0, 5708.0, 5700.0, 5680.0, 5345.0, 5359.0, 5362.0, 5440.0, 5266.0, 5622.0, 5395.0, 5605.0, 5699.0, 5683.0, 5400.0, 5718.0, 5573.0, 5489.0, 5536.0, 5407.0, 5643.0, 5391.0, 5478.0, 5458.0, 5552.0, 5574.0, 5410.0, 5311.0, 5419.0, 5490.0, 5597.0, 5287.0, 5631.0, 5565.0, 5653.0, 5382.0, 5453.0 (number of hits: 2)
18	5510	9	1	333	1	5417.0, 5348.0, 5690.0, 5708.0, 5260.0, 5670.0, 5571.0, 5656.0, 5471.0, 5552.0, 5566.0, 5483.0, 5495.0, 5373.0, 5346.0, 5289.0, 5574.0, 5597.0, 5589.0, 5554.0, 5301.0, 5573.0, 5352.0, 5494.0, 5576.0, 5530.0, 5369.0, 5432.0, 5717.0, 5602.0, 5654.0, 5666.0, 5668.0, 5254.0, 5551.0, 5363.0, 5689.0, 5484.0, 5321.0, 5603.0, 5687.0, 5614.0, 5412.0, 5448.0, 5531.0,

						5535.0, 5698.0, 5279.0, 5591.0, 5406.0, 5411.0, 5299.0, 5267.0, 5342.0, 5288.0, 5640.0, 5463.0, 5601.0, 5305.0, 5652.0, 5593.0, 5379.0, 5405.0, 5263.0, 5429.0, 5577.0, 5669.0, 5543.0, 5323.0, 5605.0, 5697.0, 5384.0, 5712.0, 5582.0, 5445.0, 5313.0, 5460.0, 5380.0, 5407.0, 5509.0, 5283.0, 5337.0, 5618.0, 5637.0, 5333.0, 5302.0, 5632.0, 5544.0, 5613.0, 5355.0, 5304.0, 5633.0, 5310.0, 5499.0, 5270.0, 5587.0, 5303.0, 5455.0, 5347.0, 5354.0 (number of hits: 4)
19	5510	9	1	333	1	5518.0, 5293.0, 5506.0, 5719.0, 5546.0, 5660.0, 5536.0, 5278.0, 5633.0, 5658.0, 5444.0, 5379.0, 5453.0, 5700.0, 5350.0, 5339.0, 5527.0, 5671.0, 5256.0, 5713.0, 5588.0, 5445.0, 5455.0, 5622.0, 5421.0, 5400.0, 5329.0, 5589.0, 5478.0, 5316.0, 5459.0, 5495.0, 5286.0, 5712.0, 5465.0, 5477.0, 5307.0, 5324.0, 5529.0, 5393.0, 5586.0, 5397.0, 5619.0, 5617.0, 5678.0, 5315.0, 5420.0, 5650.0, 5271.0, 5656.0, 5683.0, 5263.0, 5401.0, 5335.0, 5649.0, 5289.0, 5524.0, 5356.0, 5407.0, 5692.0, 5699.0, 5494.0, 5513.0, 5685.0, 5684.0, 5266.0, 5557.0, 5602.0, 5707.0, 5380.0, 5255.0, 5332.0, 5579.0, 5395.0, 5464.0, 5441.0, 5724.0, 5639.0, 5357.0, 5277.0, 5369.0, 5301.0, 5285.0, 5627.0, 5562.0, 5551.0, 5720.0, 5505.0, 5300.0, 5361.0, 5296.0, 5338.0, 5565.0, 5269.0, 5668.0, 5709.0, 5250.0, 5663.0, 5667.0, 5531.0 (number of hits: 8)
20	5510	9	1	333	1	5337.0, 5291.0, 5557.0, 5491.0, 5353.0, 5312.0, 5538.0, 5590.0, 5421.0, 5596.0, 5551.0, 5283.0, 5659.0, 5390.0, 5668.0, 5435.0, 5416.0, 5270.0, 5461.0, 5528.0, 5371.0, 5619.0, 5450.0, 5586.0, 5654.0, 5448.0, 5396.0, 5425.0, 5276.0, 5600.0, 5400.0, 5613.0, 5302.0, 5467.0, 5724.0, 5463.0, 5647.0, 5626.0, 5646.0, 5664.0, 5610.0, 5707.0, 5560.0, 5348.0, 5678.0, 5335.0, 5277.0, 5484.0, 5493.0, 5506.0, 5494.0, 5684.0, 5379.0, 5271.0, 5552.0, 5509.0, 5338.0, 5487.0, 5423.0, 5595.0, 5255.0, 5263.0, 5262.0, 5660.0, 5553.0, 5601.0, 5354.0, 5368.0, 5325.0, 5297.0, 5482.0, 5289.0, 5275.0, 5372.0, 5376.0, 5522.0, 5431.0, 5428.0, 5651.0, 5413.0, 5642.0, 5579.0, 5663.0, 5674.0, 5623.0, 5441.0, 5681.0, 5282.0, 5688.0, 5477.0, 5575.0, 5680.0, 5478.0, 5679.0, 5336.0, 5578.0, 5675.0, 5505.0, 5549.0, 5408.0 (number of hits: 8)
21	5510	9	1	333	1	5357.0, 5443.0, 5257.0, 5679.0, 5651.0, 5277.0, 5571.0, 5689.0, 5330.0, 5586.0, 5590.0, 5722.0, 5398.0, 5326.0, 5510.0, 5267.0, 5635.0, 5585.0, 5659.0, 5490.0, 5318.0, 5452.0, 5380.0, 5627.0, 5708.0, 5696.0, 5533.0, 5418.0, 5458.0, 5632.0, 5674.0, 5521.0, 5368.0, 5528.0, 5285.0, 5574.0, 5583.0, 5705.0, 5668.0, 5338.0,

						5481.0, 5603.0, 5664.0, 5467.0, 5292.0, 5274.0, 5311.0, 5713.0, 5377.0, 5568.0, 5299.0, 5365.0, 5417.0, 5409.0, 5251.0, 5369.0, 5512.0, 5263.0, 5392.0, 5283.0, 5613.0, 5605.0, 5593.0, 5686.0, 5427.0, 5701.0, 5301.0, 5682.0, 5559.0, 5476.0, 5698.0, 5587.0, 5284.0, 5503.0, 5361.0, 5473.0, 5374.0, 5594.0, 5426.0, 5695.0, 5497.0, 5440.0, 5543.0, 5544.0, 5269.0, 5438.0, 5296.0, 5433.0, 5496.0, 5331.0, 5716.0, 5454.0, 5286.0, 5324.0, 5487.0, 5304.0, 5437.0, 5425.0, 5555.0, 5279.0 (number of hits: 7)
22	5510	9	1	333	1	5564.0, 5657.0, 5433.0, 5432.0, 5504.0, 5676.0, 5576.0, 5720.0, 5661.0, 5370.0, 5460.0, 5572.0, 5632.0, 5614.0, 5316.0, 5256.0, 5449.0, 5436.0, 5703.0, 5442.0, 5430.0, 5543.0, 5674.0, 5505.0, 5352.0, 5607.0, 5361.0, 5519.0, 5570.0, 5624.0, 5716.0, 5466.0, 5701.0, 5283.0, 5431.0, 5531.0, 5546.0, 5623.0, 5457.0, 5697.0, 5353.0, 5567.0, 5650.0, 5259.0, 5638.0, 5345.0, 5341.0, 5284.0, 5435.0, 5709.0, 5584.0, 5707.0, 5277.0, 5611.0, 5444.0, 5540.0, 5577.0, 5615.0, 5495.0, 5339.0, 5551.0, 5428.0, 5307.0, 5545.0, 5463.0, 5494.0, 5639.0, 5515.0, 5354.0, 5282.0, 5620.0, 5557.0, 5481.0, 5427.0, 5559.0, 5315.0, 5260.0, 5492.0, 5662.0, 5571.0, 5648.0, 5268.0, 5626.0, 5426.0, 5536.0, 5319.0, 5541.0, 5628.0, 5393.0, 5362.0, 5702.0, 5596.0, 5681.0, 5565.0, 5665.0, 5288.0, 5501.0, 5412.0, 5402.0, 5333.0 (number of hits: 8)
23	5510	9	1	333	1	5302.0, 5514.0, 5620.0, 5460.0, 5436.0, 5452.0, 5639.0, 5308.0, 5519.0, 5600.0, 5386.0, 5670.0, 5327.0, 5651.0, 5499.0, 5366.0, 5635.0, 5318.0, 5505.0, 5502.0, 5267.0, 5403.0, 5411.0, 5419.0, 5264.0, 5334.0, 5517.0, 5578.0, 5397.0, 5647.0, 5558.0, 5634.0, 5393.0, 5564.0, 5320.0, 5345.0, 5378.0, 5615.0, 5296.0, 5713.0, 5714.0, 5284.0, 5510.0, 5593.0, 5338.0, 5592.0, 5690.0, 5632.0, 5433.0, 5348.0, 5553.0, 5472.0, 5630.0, 5387.0, 5434.0, 5575.0, 5453.0, 5384.0, 5485.0, 5321.0, 5278.0, 5410.0, 5364.0, 5628.0, 5424.0, 5645.0, 5421.0, 5294.0, 5402.0, 5622.0, 5518.0, 5258.0, 5697.0, 5415.0, 5385.0, 5305.0, 5496.0, 5511.0, 5595.0, 5709.0, 5551.0, 5581.0, 5337.0, 5504.0, 5685.0, 5524.0, 5339.0, 5371.0, 5675.0, 5300.0, 5341.0, 5343.0, 5260.0, 5642.0, 5682.0, 5569.0, 5602.0, 5330.0, 5475.0, 5287.0 (number of hits: 12)
24	5510	9	1	333	1	5285.0, 5478.0, 5317.0, 5364.0, 5513.0, 5472.0, 5622.0, 5652.0, 5588.0, 5281.0, 5430.0, 5258.0, 5262.0, 5345.0, 5421.0, 5703.0, 5704.0, 5444.0, 5298.0, 5308.0, 5429.0, 5591.0, 5713.0, 5349.0, 5688.0, 5388.0, 5613.0, 5581.0, 5694.0, 5296.0, 5547.0, 5608.0, 5637.0, 5636.0, 5277.0,

						5447.0, 5553.0, 5516.0, 5385.0, 5635.0, 5507.0, 5266.0, 5501.0, 5272.0, 5605.0, 5360.0, 5568.0, 5309.0, 5609.0, 5387.0, 5299.0, 5389.0, 5673.0, 5270.0, 5550.0, 5509.0, 5645.0, 5404.0, 5473.0, 5551.0, 5280.0, 5573.0, 5381.0, 5432.0, 5668.0, 5468.0, 5323.0, 5363.0, 5278.0, 5398.0, 5418.0, 5525.0, 5422.0, 5625.0, 5685.0, 5543.0, 5284.0, 5620.0, 5409.0, 5619.0, 5440.0, 5644.0, 5515.0, 5617.0, 5271.0, 5448.0, 5603.0, 5368.0, 5372.0, 5510.0, 5722.0, 5544.0, 5607.0, 5394.0, 5286.0, 5424.0, 5475.0, 5696.0, 5436.0, 5631.0 (number of hits: 8)
25	5510	9	1	333	1	5486.0, 5409.0, 5385.0, 5363.0, 5485.0, 5520.0, 5394.0, 5561.0, 5512.0, 5416.0, 5312.0, 5483.0, 5509.0, 5613.0, 5400.0, 5482.0, 5291.0, 5615.0, 5648.0, 5334.0, 5537.0, 5301.0, 5379.0, 5467.0, 5339.0, 5319.0, 5609.0, 5662.0, 5275.0, 5296.0, 5431.0, 5593.0, 5685.0, 5591.0, 5327.0, 5411.0, 5422.0, 5556.0, 5620.0, 5257.0, 5484.0, 5322.0, 5638.0, 5705.0, 5719.0, 5392.0, 5261.0, 5318.0, 5468.0, 5565.0, 5313.0, 5627.0, 5343.0, 5720.0, 5587.0, 5694.0, 5687.0, 5713.0, 5478.0, 5714.0, 5472.0, 5610.0, 5451.0, 5574.0, 5715.0, 5563.0, 5329.0, 5279.0, 5604.0, 5653.0, 5284.0, 5697.0, 5522.0, 5538.0, 5498.0, 5647.0, 5252.0, 5529.0, 5406.0, 5577.0, 5435.0, 5526.0, 5675.0, 5459.0, 5316.0, 5436.0, 5584.0, 5376.0, 5588.0, 5541.0, 5617.0, 5402.0, 5461.0, 5470.0, 5523.0, 5381.0, 5306.0, 5378.0, 5555.0, 5285.0 (number of hits: 7)
26	5510	9	1	333	1	5397.0, 5418.0, 5417.0, 5579.0, 5509.0, 5343.0, 5573.0, 5517.0, 5315.0, 5333.0, 5592.0, 5513.0, 5570.0, 5251.0, 5337.0, 5642.0, 5435.0, 5647.0, 5444.0, 5568.0, 5367.0, 5656.0, 5398.0, 5394.0, 5369.0, 5382.0, 5362.0, 5524.0, 5597.0, 5345.0, 5595.0, 5342.0, 5682.0, 5474.0, 5710.0, 5519.0, 5448.0, 5715.0, 5489.0, 5541.0, 5610.0, 5695.0, 5334.0, 5721.0, 5290.0, 5672.0, 5328.0, 5469.0, 5700.0, 5258.0, 5348.0, 5485.0, 5255.0, 5477.0, 5279.0, 5438.0, 5536.0, 5584.0, 5299.0, 5605.0, 5532.0, 5313.0, 5623.0, 5326.0, 5324.0, 5384.0, 5558.0, 5701.0, 5619.0, 5371.0, 5694.0, 5262.0, 5480.0, 5551.0, 5718.0, 5426.0, 5351.0, 5655.0, 5280.0, 5445.0, 5698.0, 5254.0, 5256.0, 5657.0, 5288.0, 5307.0, 5633.0, 5306.0, 5502.0, 5407.0, 5339.0, 5344.0, 5652.0, 5545.0, 5349.0, 5322.0, 5690.0, 5615.0, 5310.0, 5552.0 (number of hits: 6)
27	5510	9	1	333	1	5367.0, 5390.0, 5600.0, 5447.0, 5427.0, 5330.0, 5261.0, 5462.0, 5674.0, 5415.0, 5494.0, 5604.0, 5470.0, 5466.0, 5586.0, 5393.0, 5281.0, 5616.0, 5395.0, 5377.0, 5514.0, 5505.0, 5347.0, 5307.0, 5479.0, 5309.0, 5444.0, 5579.0, 5554.0, 5351.0,

						5267.0, 5693.0, 5629.0, 5522.0, 5572.0, 5317.0, 5359.0, 5685.0, 5550.0, 5372.0, 5626.0, 5562.0, 5578.0, 5259.0, 5721.0, 5651.0, 5300.0, 5533.0, 5543.0, 5484.0, 5270.0, 5256.0, 5350.0, 5602.0, 5286.0, 5480.0, 5302.0, 5699.0, 5404.0, 5530.0, 5459.0, 5568.0, 5559.0, 5336.0, 5491.0, 5539.0, 5263.0, 5368.0, 5607.0, 5679.0, 5370.0, 5397.0, 5392.0, 5534.0, 5406.0, 5642.0, 5722.0, 5566.0, 5394.0, 5700.0, 5428.0, 5421.0, 5323.0, 5426.0, 5374.0, 5285.0, 5262.0, 5498.0, 5291.0, 5308.0, 5504.0, 5433.0, 5271.0, 5334.0, 5356.0, 5715.0, 5594.0, 5548.0, 5657.0, 5619.0 (number of hits: 7)
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29	5510	9	1	333	1	5562.0, 5302.0, 5526.0, 5405.0, 5306.0, 5503.0, 5692.0, 5455.0, 5381.0, 5375.0, 5508.0, 5604.0, 5480.0, 5536.0, 5457.0, 5494.0, 5491.0, 5513.0, 5420.0, 5547.0, 5565.0, 5380.0, 5280.0, 5469.0, 5649.0, 5524.0, 5378.0, 5430.0, 5687.0, 5568.0, 5540.0, 5676.0, 5323.0, 5443.0, 5559.0, 5481.0, 5683.0, 5558.0, 5295.0, 5269.0, 5284.0, 5587.0, 5584.0, 5716.0, 5620.0, 5694.0, 5533.0, 5397.0, 5483.0, 5640.0, 5643.0, 5460.0, 5615.0, 5591.0, 5669.0, 5635.0, 5477.0, 5505.0, 5473.0, 5717.0, 5506.0, 5278.0, 5569.0, 5407.0, 5442.0, 5556.0, 5499.0, 5419.0, 5674.0, 5550.0, 5334.0, 5270.0, 5660.0, 5621.0, 5403.0, 5296.0, 5570.0, 5589.0, 5385.0, 5644.0, 5356.0, 5261.0, 5264.0, 5592.0, 5331.0, 5439.0, 5466.0, 5390.0, 5276.0, 5288.0, 5293.0, 5414.0, 5566.0, 5502.0, 5495.0, 5318.0, 5376.0, 5539.0, 5564.0, 5301.0 (number of hits: 12)
30	5510	9	1	333	1	5377.0, 5253.0, 5655.0, 5324.0, 5564.0, 5569.0, 5457.0, 5369.0, 5595.0, 5540.0, 5344.0, 5481.0, 5488.0, 5660.0, 5492.0, 5704.0, 5525.0, 5357.0, 5263.0, 5539.0, 5548.0, 5439.0, 5559.0, 5570.0, 5553.0,

						5531.0, 5491.0, 5563.0, 5584.0, 5469.0, 5683.0, 5684.0, 5603.0, 5301.0, 5319.0, 5679.0, 5473.0, 5536.0, 5458.0, 5322.0, 5592.0, 5254.0, 5312.0, 5538.0, 5661.0, 5557.0, 5597.0, 5498.0, 5273.0, 5338.0, 5418.0, 5474.0, 5544.0, 5601.0, 5643.0, 5283.0, 5535.0, 5653.0, 5604.0, 5591.0, 5487.0, 5282.0, 5449.0, 5452.0, 5380.0, 5537.0, 5401.0, 5318.0, 5659.0, 5500.0, 5347.0, 5299.0, 5419.0, 5691.0, 5340.0, 5712.0, 5406.0, 5527.0, 5640.0, 5424.0, 5652.0, 5441.0, 5509.0, 5365.0, 5701.0, 5699.0, 5460.0, 5275.0, 5383.0, 5502.0, 5435.0, 5711.0, 5507.0, 5329.0, 5420.0, 5402.0, 5451.0, 5356.0, 5410.0, 5555.0 (number of hits: 9)

5 GHz Radio 2+ 5 GHz AUX

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	90.0 %	60%	Pass
Type 3	30	90.0 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	94.2 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5530	72	1	738	1
2	5530	70	1	758	1
3	5530	89	1	598	1
4	5530	92	1	578	1
5	5530	59	1	898	1
6	5491	76	1	698	1
7	5491	68	1	778	1
8	5491	63	1	838	1
9	5491	102	1	518	1
10	5491	65	1	818	1
11	5569	99	1	538	1
12	5569	62	1	858	1
13	5569	83	1	638	1
14	5569	18	1	3066	1
15	5569	67	1	798	1
16	5530	43	1	1233	1
17	5530	20	1	2682	1
18	5530	20	1	2683	1
19	5530	80	1	663	1
20	5530	75	1	705	1
21	5491	36	1	1482	1
22	5491	27	1	2018	1
23	5491	34	1	1566	1
24	5491	21	1	2603	1
25	5491	42	1	1272	1
26	5569	24	1	2208	1
27	5569	28	1	1889	1
28	5569	71	1	744	1
29	5569	25	1	2192	1
30	5569	23	1	2312	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	23	4	209	1
2	5530	27	1.4	157	1
3	5530	29	1.6	159	1
4	5530	28	4.4	190	1
5	5530	28	3.9	189	1
6	5530	28	2.9	155	1
7	5530	24	4	170	1
8	5530	28	4.4	188	0
9	5530	27	2.8	180	1
10	5530	23	1.2	150	1
11	5491	23	4.1	150	1
12	5491	26	1.4	158	1
13	5491	26	4	181	1
14	5491	23	4.2	213	0
15	5491	23	1.8	185	1
16	5491	27	3.1	203	1
17	5491	26	2.1	161	1
18	5491	25	1.5	188	0
19	5491	24	4.8	221	1
20	5491	29	1.1	214	1
21	5569	27	1.5	214	1
22	5569	27	4.1	223	1
23	5569	28	2.8	221	1
24	5569	23	3.3	181	1
25	5569	28	2.4	180	1
26	5569	24	4.9	191	1
27	5569	28	1.1	196	1
28	5569	27	4.5	183	1
29	5569	25	1.1	224	1
30	5569	24	4.1	185	1
Detection Percentage: 90.0% (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	17	8.8	306	1
2	5530	18	9.5	294	1
3	5530	16	10	249	1
4	5530	17	9.3	390	1
5	5530	16	7.9	203	1
6	5530	18	8.8	405	1
7	5530	16	6.8	442	1
8	5530	18	9.7	486	1
9	5530	16	9.8	322	1
10	5530	18	10	243	1
11	5491	18	8.9	305	1
12	5491	18	9.5	214	1
13	5491	16	6.1	315	1
14	5491	18	10	235	1
15	5491	18	7.2	380	1
16	5491	18	8.7	206	1
17	5491	17	10	280	1
18	5491	18	6.1	405	1
19	5491	16	9.1	280	0
20	5491	17	9.6	290	1
21	5491	18	8.6	465	1
22	5569	17	7.7	466	1
23	5569	18	8.1	373	1
24	5569	18	7.5	240	1
25	5569	17	8.1	213	1
26	5569	18	9.8	497	0
27	5569	16	9.6	422	1
28	5569	16	9.1	312	0
29	5569	18	6.8	462	1
30	5569	18	9.3	362	1
Detection Percentage: 90 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	16	12.2	329	1
2	5530	13	15.9	279	1
3	5530	16	15.1	310	1
4	5530	16	12.1	224	1
5	5530	13	18.9	454	1
6	5530	16	14.2	407	1
7	5530	13	16.7	305	1
8	5530	16	18.2	484	1
9	5530	15	19.3	355	1
10	5530	15	19.7	475	1
11	5491	12	11.1	366	1
12	5491	12	14.1	445	1
13	5491	12	13.5	211	1
14	5491	12	19.8	313	1
15	5491	15	19.4	379	1
16	5491	14	16.2	487	1
17	5491	12	15.2	487	1
18	5491	16	14.8	320	1
19	5491	13	15.6	499	1
20	5491	14	17.9	349	1
21	5569	13	19.8	485	1
22	5569	15	19.6	231	1
23	5569	13	11.5	202	0
24	5569	14	19.7	447	1
25	5569	13	18.7	271	1
26	5569	15	18.6	396	1
27	5569	13	11.9	246	1
28	5569	15	14.7	378	1
29	5569	15	13.3	266	1
30	5569	16	17.1	448	1
Detection Percentage: 96.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5496.2	1
12	5494.6	1
13	5493.4	1
14	5497.0	1
15	5498.6	1
16	5495.8	1
17	5495.0	1
18	5498.2	1
19	5496.2	1
20	5493.4	1
21	5561.4	1
22	5563.0	1
23	5563.0	1
24	5566.2	1
25	5565.4	1
26	5562.2	1
27	5562.6	1
28	5563.8	1
29	5563.8	1
30	5561.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	72.4	1949		0.759917	1
1	1	12	80			1.990683	
2	2	12	59.3	1030		2.696347	
3	2	12	55.6	1786		3.818764	
4	1	12	76.1			4.954953	
5	3	12	79.3	1059	1171	5.079935	
6	2	12	60.6	1437		6.756619	
7	3	12	83.5	1862	1355	7.42411	
8	2	12	73.9	1257		8.38007	
9	1	12	66.8			9.71966	
10	3	12	59.9	1989	1812	10.954437	
11	2	12	98	1503		11.526745	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	71	1259	1953	0.147345	1
1	2	12	86.5	1654		1.154181	
2	2	12	73.3	1284		1.485196	
3	2	12	97.8	1641		2.236339	
4	2	12	96.9	1306		2.631757	
5	2	12	77	1556		3.023643	
6	2	12	74.4	1459		3.875316	
7	2	12	89.9	1483		4.556198	
8	2	12	52.4	1060		4.919206	
9	1	12	98.1			5.70879	
10	2	12	59.7	1994		6.380269	
11	3	12	73.3	1128	1814	6.859258	
12	1	12	66.8			7.619027	
13	1	12	97.7			8.390866	
14	3	12	73.7	1471	1341	8.669963	
15	2	12	65.2	1492		9.12628	
16	3	12	83.4	1277	1079	9.975136	
17	2	12	57.1	1761		10.327591	
18	2	12	91.4	1865		10.930802	
19	2	12	89.9	1862		11.562574	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	64.1	1350	1250	0.560716	1
1	2	6	95.4	1526		1.29519	
2	2	6	51.6	1917		2.014364	
3	2	6	78.9	1349		2.620881	
4	2	6	86.5	1098		3.072308	
5	2	6	86.9	1629		4.104147	
6	2	6	94.2	1987		4.670792	
7	2	6	51.7	1438		5.516617	
8	2	6	61.6	1783		6.3028	
9	1	6	56.4			6.66505	
10	2	6	85.5	1935		7.451779	
11	2	6	52	1197		7.860448	
12	1	6	77.2			8.470995	
13	3	6	81.2	1069	1651	9.68377	
14	3	6	60.2	1255	1515	10.30019	
15	2	6	93.6	1473		11.225169	
16	1	6	81.2			11.561699	

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	16	83.1	1240	1262	0.372233	
1	2	16	79.1	1251		0.614039	
2	2	16	58.9	1724		1.774159	
3	2	16	59.5	1096		1.917863	
4	3	16	99.9	1081	1606	2.494595	
5	1	16	97.9			3.270584	
6	2	16	57.4	1186		4.058954	
7	1	16	78.7			4.783115	
8	2	16	61.9	1016		4.930944	
9	3	16	99.5	1948	1387	5.685747	
10	2	16	99.8	1770		6.437571	1
11	2	16	76.7	1849		6.636935	
12	1	16	88.6			7.635028	
13	3	16	95.4	1511	1112	8.213435	
14	2	16	86.4	1753		8.783034	
15	3	16	92.8	1341	1229	9.350909	
16	2	16	91.5	1485		9.86504	
17	1	16	84.5			10.203917	
18	2	16	69	1738		10.949812	
19	3	16	80.6	1985	1035	11.5405	

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	87.8			0.529848	1
1	1	14	89.8			1.094923	
2	1	14	64.1			1.804646	
3	3	14	84.1	1891	1267	2.742003	
4	3	14	93.8	1293	1338	3.070366	
5	2	14	75	1302		3.875418	
6	2	14	54.9	1621		4.680618	
7	2	14	88.8	1660		5.034484	
8	1	14	62.7			5.922128	
9	1	14	81.9			7.016108	
10	2	14	83.4	1504		7.530232	
11	1	14	78.7			8.275367	
12	1	14	99.4			8.679709	
13	2	14	95	1564		9.504967	
14	2	14	76.9	1347		10.452356	
15	1	14	83.8			10.943603	
16	1	14	65			11.609373	

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	7	72.8	1239	1657	0.388322	1
1	2	7	95.9	1430		1.203193	
2	2	7	61.7	1552		1.895271	
3	2	7	94.4	1777		3.332922	
4	2	7	89.6	1350		4.265164	
5	2	7	50.7	1957		4.806699	
6	2	7	96.4	1980		5.935007	
7	2	7	59.1	1807		6.506911	
8	1	7	79.1			6.946792	
9	2	7	89.7	1049		8.229006	
10	3	7	95.6	1246	1269	8.947558	
11	2	7	57.7	1235		9.610538	
12	2	7	69.5	1382		10.826222	
13	2	7	94.8	1460		11.144912	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	57.7	1446		0.252977	1
1	3	11	63.8	1232	1963	1.685128	
2	3	11	77.3	1233	1050	2.198065	
3	2	11	61.3	1455		3.024084	
4	2	11	69.9	1850		4.41837	
5	3	11	78.4	1357	1054	5.503903	
6	1	11	87.4			5.668528	
7	2	11	93.9	1477		7.355147	
8	1	11	69			8.18933	
9	3	11	54.7	1935	1864	8.44359	
10	3	11	55.6	1358	1478	9.585856	
11	2	11	82.8	1116		10.909016	
12	3	11	65.7	1696	1988	11.671211	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	67.6	1545	1006	0.703814	1
1	1	6	71.9			1.517303	
2	3	6	55.7	1920	1455	2.499224	
3	1	6	97.7			3.763737	
4	2	6	63.4	1299		4.430398	
5	2	6	71.1	1119		5.226067	
6	1	6	78.5			6.068946	
7	2	6	70.7	1737		7.49953	
8	2	6	56.1	1821		8.993168	
9	1	6	63.8			9.701663	
10	1	6	83.7			10.567184	
11	3	6	53.3	1334	1001	11.923532	

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	74.3			0.293039	1
1	2	11	83.2	1067		1.783376	
2	3	11	93.4	1237	1363	2.80431	
3	1	11	95.7			5.217857	
4	1	11	98			6.48963	
5	2	11	53.5	1100		7.70955	
6	1	11	86.7			9.279465	
7	2	11	95.8	1772		9.549055	
8	2	11	91.5	1004		11.859163	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	74.4	1397		0.50854	1
1	3	13	53.8	1755	1643	1.88972	
2	2	13	88.6	1885		2.617198	
3	1	13	63.4			3.779937	
4	3	13	55.3	1547	1430	4.055449	
5	3	13	88.2	1151	1549	5.365896	
6	1	13	97.4			6.575328	
7	1	13	96.2			7.226557	
8	2	13	77.1	1408		8.395227	
9	3	13	59.7	1136	1883	9.392899	
10	1	13	63.5			10.72278	
11	2	13	84.5	1763		11.035688	

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	13	96.4			0.615798	1
1	2	13	75.2	1187		1.027909	
2	2	13	90.1	1549		1.755796	
3	3	13	91.6	1882	1211	2.796072	
4	1	13	52.5			3.34614	
5	1	13	72.8			3.904445	
6	2	13	96.7	1194		4.67081	
7	2	13	71.9	1032		5.786339	
8	1	13	50.6			6.030228	
9	2	13	73.4	1492		6.975804	
10	1	13	65.1			7.570967	
11	2	13	86.1	1405		8.833995	
12	3	13	67.5	1037	1729	9.093059	
13	3	13	70.7	1336	1222	9.934759	
14	2	13	71.5	1172		11.036104	
15	1	13	89.7			11.788889	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	64.9			0.049695	1
1	3	9	83	1833	1905	1.806746	
2	2	9	95.5	1625		3.292628	
3	2	9	86.2	1199		4.533257	
4	1	9	62.9			6.256576	
5	2	9	67.4	1409		7.795866	
6	3	9	89.9	1491	1742	8.089708	
7	2	9	93.9	1650		10.49931	
8	2	9	85.3	1615		11.989763	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	79.2	1187		0.358061	1
1	2	6	52.7	1938		1.857494	
2	1	6	77.6			2.87016	
3	1	6	55.6			3.292568	
4	3	6	65.2	1862	1194	4.377429	
5	1	6	55			5.080151	
6	1	6	64.2			6.746229	
7	2	6	90.4	1791		7.608863	
8	2	6	68.2	1425		8.738663	
9	2	6	78.8	1058		9.710249	
10	1	6	70.2			10.174238	
11	3	6	74.7	1407	1087	11.553903	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	91.8	1620		0.168375	1
1	2	15	60.2	1590		0.867726	
2	2	15	56.7	1536		2.412161	
3	2	15	64.1	1825		2.591484	
4	2	15	53.9	1768		3.5267	
5	3	15	52.2	1853	1078	5.105078	
6	3	15	97.9	1083	1497	5.966307	
7	3	15	68.1	1381	1345	6.40851	
8	1	15	85.4			6.984581	
9	2	15	59	1218		7.826173	
10	3	15	65	1998	1498	9.414221	
11	2	15	83.5	1344		9.742366	
12	3	15	94.3	1249	1985	11.10341	
13	2	15	71	1927		11.729005	

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	19	88.3	1395		1.490549	1
1	2	19	59	1073		2.825092	
2	3	19	68.7	1699	1108	3.784947	
3	2	19	55.5	1924		5.496439	
4	1	19	55.7			6.026858	
5	1	19	83.4			8.957651	
6	2	19	58	1181		10.315534	
7	2	19	53.8	1861		11.733507	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	99			0.175165	1
1	3	12	88.4	1258	1125	1.17387	
2	1	12	67.2			1.537322	
3	2	12	67	1615		2.635359	
4	1	12	78.3			3.049119	
5	2	12	67.7	1786		3.794652	
6	2	12	85.7	1820		4.603314	
7	1	12	91.5			4.95707	
8	3	12	85.2	1039	1988	5.946853	
9	2	12	52.3	1240		6.063255	
10	2	12	98.7	1062		6.850338	
11	2	12	87.8	1180		7.979227	
12	2	12	88.5	1889		8.373601	
13	2	12	75.3	1901		8.983831	
14	3	12	58.9	1305	1907	9.780427	
15	1	12	84.5			10.602277	
16	2	12	86.6	1480		11.1397	
17	3	12	84.8	1145	1698	11.590329	

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	10	99.4			0.315513	1
1	2	10	58.1	1050		1.471143	
2	2	10	76.4	1669		1.922273	
3	2	10	94.7	1045		2.857979	
4	2	10	56.1	1841		3.710807	
5	3	10	89.5	1071	1306	3.818254	
6	1	10	96.6			5.068155	
7	2	10	92.3	1533		5.311023	
8	2	10	86	1120		6.500875	
9	1	10	89.2			7.001673	
10	1	10	93.9			7.856199	
11	3	10	81.2	1555	1593	8.811501	
12	1	10	59.4			9.18832	
13	2	10	81.1	1506		10.408233	
14	2	10	82.6	1575		10.922604	
15	1	10	95.1			11.862963	

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	55.5	1536	1616	0.667695	1
1	3	18	84.9	1355	1799	1.833715	
2	2	18	87.1	1132		2.452757	
3	1	18	61.5			4.152567	
4	3	18	69.1	1852	1959	4.480625	
5	1	18	70.2			6.049271	
6	2	18	71	1219		7.34851	
7	2	18	50	1224		8.368236	
8	2	18	98.3	1298		8.772978	
9	3	18	65.6	1881	1969	10.35831	
10	3	18	99.9	1217	1415	11.907964	

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	94	1934		0.135315	1
1	2	13	71	1193		1.192707	
2	3	13	59.7	1431	1550	1.775454	
3	1	13	68.2			2.351214	
4	3	13	83.2	1208	1725	3.270116	
5	1	13	51.7			4.3163	
6	1	13	83.4			4.700155	
7	1	13	67.2			5.973522	
8	3	13	72.4	1354	1580	6.6451	
9	3	13	80.3	1847	1031	7.41682	
10	1	13	61.4			7.763983	
11	2	13	58.4	1592		8.329419	
12	2	13	94	1637		9.687691	
13	2	13	76.6	1562		10.025605	
14	2	13	65.2	1886		10.835456	
15	2	13	83.3	1348		11.773672	

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	6	68.6			0.07168	1
1	2	6	67.9	1151		0.689363	
2	3	6	81.1	1736	1258	1.511506	
3	3	6	82	1836	1020	2.329574	
4	2	6	54.5	1025		2.613473	
5	2	6	90.2	1804		3.636587	
6	2	6	64.4	1802		4.350729	
7	2	6	66.9	1543		4.910933	
8	2	6	63.5	1597		5.213262	
9	1	6	80.6			5.768938	
10	1	6	90.6			6.684666	
11	3	6	98.8	1126	1285	7.096666	
12	3	6	92.4	1524	1817	7.82114	
13	2	6	65.5	1710		8.535665	
14	1	6	70.6			9.049325	
15	2	6	55.6	1770		10.075819	
16	1	6	67.9			10.290512	
17	3	6	72.9	1363	1604	11.16381	
18	3	6	68.1	1302	1524	11.539532	

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	19	58.6	1744	1858	0.148448	
1	2	19	71.8	1871		1.247492	
2	2	19	77.2	1272		1.983482	
3	2	19	69	1938		2.612399	
4	2	19	79.8	1414		3.27666	
5	1	19	98.6			3.667696	
6	1	19	77.1			4.737676	
7	3	19	79.8	1184	1980	5.333161	
8	2	19	57.5	1933		5.725387	1
9	2	19	86	1646		7.018557	
10	1	19	81.9			7.23636	
11	2	19	71.4	1849		8.39565	
12	2	19	99.4	1516		8.798747	
13	3	19	59.6	1211	1923	9.176665	
14	2	19	67.9	1457		10.203099	
15	2	19	72.6	1825		10.949134	
16	2	19	85.7	1913		11.367214	

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	50.1	1152		0.29953	0
1	2	15	79.7	1218		1.002232	
2	2	15	99.2	1823		2.224905	
3	1	15	86.7			2.467793	
4	2	15	88.4	1764		3.66596	
5	3	15	90.7	1744	1689	4.3357	
6	2	15	51	1485		5.121466	
7	3	15	97.1	1838	1154	5.949251	
8	1	15	86			6.236569	
9	2	15	97.2	1138		7.281409	
10	2	15	53.6	1898		7.946139	
11	1	15	82.3			8.322262	
12	2	15	73.9	1486		9.232994	
13	1	15	77.6			9.97125	
14	2	15	93.3	1535		10.855624	
15	1	15	89			11.596989	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	74.2	1722		0.565562	1
1	1	15	68.7			0.993954	
2	1	15	68.6			2.037787	
3	1	15	84.7			3.19772	
4	2	15	83.1	1036		4.102803	
5	2	15	58	1581		5.039795	
6	2	15	60.3	1464		5.487465	
7	1	15	60			6.789142	
8	2	15	62.6	1629		7.49802	
9	2	15	90.7	1658		7.839714	
10	3	15	98.2	1727	1811	8.785261	
11	2	15	92.3	1182		10.241387	
12	3	15	65	1171	1145	10.909697	
13	2	15	57.6	1834		11.567703	

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	80.7	1109		0.43708	1
1	2	7	90	1261		1.29561	
2	2	7	89.1	1891		2.798196	
3	3	7	97.9	1510	1888	3.953354	
4	2	7	86.7	1598		4.736458	
5	2	7	50.3	1620		5.658684	
6	2	7	99.2	1181		6.708778	
7	1	7	94.9			7.712616	
8	1	7	67.1			8.461007	
9	2	7	98.7	1651		9.594765	
10	2	7	77.2	1480		10.25684	
11	2	7	74.4	1229		11.736343	

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	9	50			0.161827	1
1	3	9	51.7	1242	1782	2.359175	
2	1	9	59.3			3.308509	
3	3	9	62.5	1485	1240	4.576006	
4	3	9	78.4	1321	1799	5.503171	
5	3	9	53	1821	1063	7.144538	
6	2	9	67.3	1734		7.580508	
7	1	9	77.1			8.530031	
8	3	9	77.6	1651	1475	10.093411	
9	1	9	81.2			11.274887	

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	17	68.7	1546		0.290329	1
1	1	17	98.6			0.931985	
2	3	17	77.9	1734	1380	1.995144	
3	3	17	55.4	1277	1007	2.830799	
4	2	17	64.4	1509		3.195734	
5	3	17	80.5	1730	1223	4.289483	
6	2	17	53.8	1056		4.850368	
7	1	17	98.6			5.650206	
8	2	17	83.5	1068		6.247726	
9	2	17	78	1916		7.28765	
10	3	17	54.4	1682	1694	8.162988	
11	1	17	84.1			8.369298	
12	1	17	54			9.637763	
13	1	17	80.6			10.195336	
14	3	17	91.7	1938	1636	10.841781	
15	1	17	85.3			11.644995	

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	16	75.1	1104		0.713925	1
1	2	16	61.4	1479		1.165918	
2	3	16	76.6	1017	1906	2.419788	
3	2	16	73.7	1184		3.24871	
4	2	16	91.6	1759		3.66435	
5	2	16	78	1302		4.879268	
6	3	16	87.5	1182	1079	5.788784	
7	2	16	74.9	1369		6.610672	
8	1	16	89.3			7.470554	
9	2	16	64.3	1193		8.4715	
10	3	16	79.6	1234	1551	8.725245	
11	2	16	74.3	1520		9.451732	
12	1	16	60.4			11.107331	
13	3	16	92.9	1010	1289	11.727896	

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	69.7	1291		0.307062	
1	1	13	67.5			2.169746	
2	3	13	73.7	1098	1689	3.638859	
3	2	13	73	1245		4.753636	
4	1	13	73.2			6.283656	1
5	2	13	92.4	1813		7.791187	
6	3	13	96.3	1760	1271	8.037867	
7	2	13	53.5	1443		10.101384	
8	3	13	87.5	1191	1331	10.776926	

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	65.2	1654		0.650521	
1	2	13	84.4	1410		2.544244	
2	2	13	52.8	1561		3.357131	
3	2	13	93.2	1411		5.003368	
4	1	13	88			6.516414	1
5	1	13	68.2			7.954031	
6	3	13	54.4	1117	1498	9.058407	
7	2	13	68.2	1059		9.389965	
8	2	13	76.7	1980		11.088571	

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	20	50.7	1689		0.015024	1
1	1	20	65.1			1.009855	
2	2	20	61.5	1776		2.667793	
3	3	20	70.6	1559	1959	3.334864	
4	1	20	83.7			4.213749	
5	1	20	56.1			5.526067	
6	2	20	53.6	1860		6.063913	
7	1	20	63.8			7.238327	
8	2	20	71.4	1932		8.928254	
9	3	20	56	1432	1133	9.647828	
10	2	20	78	1958		10.615351	
11	2	20	84.2	1999		11.306832	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530	9	1	333	1	5522.0, 5341.0, 5619.0, 5543.0, 5595.0, 5322.0, 5475.0, 5428.0, 5273.0, 5721.0, 5391.0, 5516.0, 5454.0, 5266.0, 5498.0, 5446.0, 5664.0, 5257.0, 5494.0, 5518.0, 5393.0, 5318.0, 5658.0, 5608.0, 5442.0, 5277.0, 5372.0, 5701.0, 5354.0, 5718.0, 5275.0, 5679.0, 5256.0, 5379.0, 5381.0, 5574.0, 5395.0, 5501.0, 5561.0, 5331.0, 5420.0, 5378.0, 5700.0, 5539.0, 5671.0, 5279.0, 5302.0, 5517.0, 5394.0, 5554.0, 5466.0, 5635.0, 5412.0, 5499.0, 5432.0, 5707.0, 5291.0, 5524.0, 5289.0, 5349.0, 5666.0, 5549.0, 5509.0, 5310.0, 5546.0, 5628.0, 5422.0, 5388.0, 5470.0, 5484.0, 5599.0, 5443.0, 5535.0, 5520.0, 5336.0, 5439.0, 5654.0, 5307.0, 5591.0, 5424.0, 5708.0, 5697.0, 5508.0, 5560.0, 5436.0, 5368.0, 5448.0, 5367.0, 5374.0, 5311.0, 5571.0, 5584.0, 5483.0, 5362.0, 5686.0, 5309.0, 5566.0, 5332.0, 5401.0, 5659.0 (number of hits: 21)
2	5530	9	1	333	1	5268.0, 5689.0, 5683.0, 5492.0, 5314.0, 5274.0, 5423.0, 5489.0, 5449.0, 5275.0, 5458.0, 5440.0, 5626.0, 5711.0, 5535.0, 5576.0, 5543.0, 5536.0, 5580.0, 5520.0, 5403.0, 5265.0, 5696.0, 5414.0, 5675.0, 5441.0, 5578.0, 5445.0, 5280.0, 5669.0, 5507.0, 5389.0, 5427.0, 5583.0, 5560.0, 5697.0, 5694.0, 5447.0, 5353.0, 5712.0, 5488.0, 5637.0, 5557.0, 5508.0, 5671.0, 5306.0, 5579.0, 5375.0, 5657.0, 5312.0, 5717.0, 5604.0, 5502.0, 5534.0, 5256.0, 5679.0, 5713.0, 5305.0, 5540.0, 5695.0, 5654.0, 5636.0, 5352.0, 5598.0, 5627.0, 5532.0, 5257.0, 5420.0, 5722.0, 5687.0, 5649.0, 5291.0, 5486.0, 5715.0, 5293.0, 5706.0, 5329.0, 5450.0, 5621.0, 5290.0, 5416.0, 5547.0, 5429.0, 5434.0, 5432.0, 5264.0, 5258.0, 5681.0, 5470.0, 5630.0, 5705.0, 5650.0, 5435.0, 5370.0, 5263.0, 5700.0, 5380.0, 5354.0, 5656.0, 5556.0 (number of hits: 15)
3	5530	9	1	333	1	5328.0, 5294.0, 5447.0, 5588.0, 5722.0, 5601.0, 5721.0, 5520.0, 5600.0, 5531.0, 5362.0, 5432.0, 5333.0, 5698.0, 5526.0, 5465.0, 5254.0, 5538.0, 5634.0, 5719.0, 5514.0, 5325.0, 5318.0, 5709.0, 5561.0, 5611.0, 5376.0, 5672.0, 5705.0, 5468.0, 5285.0, 5640.0, 5540.0, 5654.0, 5381.0, 5485.0, 5661.0, 5397.0, 5401.0, 5316.0, 5537.0, 5365.0, 5259.0, 5558.0, 5335.0, 5681.0, 5474.0, 5377.0, 5310.0, 5517.0, 5458.0, 5556.0, 5668.0, 5286.0, 5391.0, 5546.0, 5409.0, 5251.0, 5390.0, 5493.0, 5464.0, 5437.0, 5700.0, 5598.0, 5261.0, 5274.0, 5403.0, 5568.0, 5684.0, 5442.0, 5663.0, 5487.0, 5656.0, 5459.0, 5638.0, 5560.0, 5500.0, 5541.0, 5472.0, 5359.0, 5699.0, 5368.0, 5666.0, 5554.0, 5396.0, 5652.0, 5277.0, 5692.0, 5599.0, 5372.0, 5402.0, 5576.0, 5349.0, 5521.0, 5314.0, 5695.0, 5460.0, 5505.0, 5404.0, 5407.0 (number of hits: 20)
4	5530	9	1	333	1	5439.0, 5433.0, 5391.0, 5260.0, 5464.0, 5538.0, 5521.0, 5262.0, 5594.0, 5527.0, 5698.0, 5506.0, 5344.0, 5532.0, 5323.0, 5394.0, 5723.0, 5318.0, 5381.0, 5396.0, 5671.0, 5608.0, 5455.0, 5461.0, 5517.0, 5655.0, 5609.0, 5552.0, 5263.0, 5252.0, 5558.0, 5331.0, 5649.0, 5324.0, 5326.0, 5670.0, 5363.0, 5589.0, 5284.0, 5287.0, 5304.0, 5358.0, 5446.0, 5498.0, 5537.0, 5638.0, 5720.0, 5399.0, 5328.0, 5308.0, 5272.0, 5572.0, 5550.0, 5266.0, 5701.0, 5383.0, 5522.0, 5596.0, 5526.0, 5398.0, 5425.0, 5470.0, 5553.0, 5432.0, 5343.0, 5423.0, 5497.0, 5313.0, 5577.0, 5467.0, 5289.0, 5353.0, 5292.0, 5346.0, 5604.0, 5683.0, 5388.0, 5484.0, 5472.0, 5370.0, 5254.0, 5560.0, 5405.0, 5449.0, 5503.0, 5493.0, 5431.0, 5516.0, 5583.0, 5651.0, 5319.0, 5471.0, 5674.0, 5641.0, 5523.0, 5584.0, 5469.0, 5699.0, 5273.0, 5281.0 (number of hits: 20)
5	5530	9	1	333	0	-
6	5530	9	1	333	1	5616.0, 5531.0, 5673.0, 5481.0, 5491.0, 5499.0, 5315.0, 5683.0,

						5711.0, 5650.0, 5449.0, 5459.0, 5326.0, 5592.0, 5368.0, 5279.0, 5665.0, 5614.0, 5444.0, 5390.0, 5684.0, 5423.0, 5354.0, 5538.0, 5468.0, 5657.0, 5477.0, 5296.0, 5649.0, 5706.0, 5325.0, 5430.0, 5674.0, 5303.0, 5641.0, 5551.0, 5273.0, 5364.0, 5716.0, 5708.0, 5557.0, 5351.0, 5337.0, 5284.0, 5637.0, 5462.0, 5524.0, 5546.0, 5682.0, 5417.0, 5718.0, 5595.0, 5348.0, 5420.0, 5605.0, 5588.0, 5490.0, 5636.0, 5675.0, 5581.0, 5621.0, 5361.0, 5465.0, 5356.0, 5534.0, 5404.0, 5292.0, 5374.0, 5566.0, 5318.0, 5257.0, 5578.0, 5488.0, 5687.0, 5554.0, 5295.0, 5285.0, 5548.0, 5269.0, 5570.0, 5485.0, 5598.0, 5367.0, 5259.0, 5299.0, 5377.0, 5450.0, 5721.0, 5577.0, 5698.0, 5645.0, 5620.0, 5627.0, 5532.0, 5607.0, 5519.0, 5302.0, 5448.0, 5383.0, 5492.0 (number of hits: 15)
7	5530	9	1	333	1	5640.0, 5462.0, 5660.0, 5267.0, 5510.0, 5617.0, 5540.0, 5355.0, 5683.0, 5363.0, 5287.0, 5674.0, 5694.0, 5551.0, 5614.0, 5470.0, 5722.0, 5657.0, 5288.0, 5332.0, 5699.0, 5387.0, 5481.0, 5467.0, 5346.0, 5636.0, 5583.0, 5349.0, 5580.0, 5509.0, 5364.0, 5371.0, 5408.0, 5477.0, 5255.0, 5254.0, 5268.0, 5506.0, 5445.0, 5281.0, 5501.0, 5606.0, 5361.0, 5379.0, 5546.0, 5705.0, 5358.0, 5592.0, 5656.0, 5433.0, 5385.0, 5399.0, 5623.0, 5303.0, 5661.0, 5475.0, 5720.0, 5692.0, 5487.0, 5458.0, 5350.0, 5645.0, 5271.0, 5300.0, 5409.0, 5561.0, 5423.0, 5473.0, 5302.0, 5511.0, 5672.0, 5325.0, 5575.0, 5670.0, 5272.0, 5574.0, 5448.0, 5650.0, 5622.0, 5700.0, 5394.0, 5500.0, 5457.0, 5419.0, 5461.0, 5584.0, 5613.0, 5647.0, 5259.0, 5250.0, 5476.0, 5444.0, 5442.0, 5548.0, 5380.0, 5263.0, 5590.0, 5261.0, 5328.0, 5416.0 (number of hits: 11)
8	5530	9	1	333	1	5592.0, 5404.0, 5411.0, 5639.0, 5642.0, 5634.0, 5651.0, 5664.0, 5647.0, 5666.0, 5258.0, 5568.0, 5587.0, 5670.0, 5474.0, 5488.0, 5336.0, 5406.0, 5604.0, 5505.0, 5409.0, 5473.0, 5570.0, 5633.0, 5263.0, 5435.0, 5350.0, 5692.0, 5648.0, 5264.0, 5439.0, 5444.0, 5280.0, 5331.0, 5581.0, 5478.0, 5613.0, 5708.0, 5428.0, 5253.0, 5251.0, 5358.0, 5344.0, 5315.0, 5254.0, 5678.0, 5554.0, 5571.0, 5423.0, 5661.0, 5672.0, 5397.0, 5619.0, 5593.0, 5590.0, 5352.0, 5307.0, 5618.0, 5429.0, 5540.0, 5396.0, 5310.0, 5607.0, 5394.0, 5624.0, 5275.0, 5475.0, 5305.0, 5285.0, 5681.0, 5695.0, 5723.0, 5503.0, 5660.0, 5722.0, 5614.0, 5493.0, 5631.0, 5313.0, 5551.0, 5507.0, 5606.0, 5716.0, 5393.0, 5484.0, 5482.0, 5321.0, 5543.0, 5597.0, 5539.0, 5687.0, 5700.0, 5671.0, 5612.0, 5611.0, 5533.0, 5415.0, 5594.0, 5445.0, 5465.0 (number of hits: 11)
9	5530	9	1	333	1	5377.0, 5643.0, 5338.0, 5310.0, 5672.0, 5387.0, 5498.0, 5264.0, 5698.0, 5690.0, 5612.0, 5487.0, 5623.0, 5630.0, 5309.0, 5372.0, 5649.0, 5442.0, 5583.0, 5358.0, 5667.0, 5473.0, 5555.0, 5505.0, 5509.0, 5597.0, 5278.0, 5311.0, 5710.0, 5440.0, 5582.0, 5576.0, 5468.0, 5501.0, 5568.0, 5531.0, 5608.0, 5554.0, 5371.0, 5622.0, 5513.0, 5665.0, 5697.0, 5415.0, 5637.0, 5543.0, 5348.0, 5610.0, 5471.0, 5666.0, 5658.0, 5594.0, 5362.0, 5585.0, 5617.0, 5584.0, 5607.0, 5294.0, 5599.0, 5271.0, 5323.0, 5680.0, 5703.0, 5719.0, 5461.0, 5314.0, 5416.0, 5722.0, 5508.0, 5579.0, 5482.0, 5339.0, 5429.0, 5374.0, 5591.0, 5660.0, 5562.0, 5620.0, 5609.0, 5525.0, 5552.0, 5713.0, 5484.0, 5714.0, 5293.0, 5500.0, 5345.0, 5460.0, 5628.0, 5687.0, 5434.0, 5355.0, 5717.0, 5629.0, 5656.0, 5352.0, 5605.0, 5538.0, 5632.0, 5321.0 (number of hits: 16)
10	5530	9	1	333	1	5265.0, 5342.0, 5341.0, 5670.0, 5590.0, 5306.0, 5279.0, 5399.0, 5363.0, 5313.0, 5630.0, 5524.0, 5541.0, 5370.0, 5614.0, 5320.0, 5382.0, 5354.0, 5654.0, 5575.0, 5592.0, 5521.0, 5390.0, 5522.0, 5571.0, 5494.0, 5406.0, 5434.0, 5358.0, 5680.0, 5388.0, 5401.0, 5624.0, 5578.0, 5504.0, 5349.0, 5303.0, 5487.0, 5309.0, 5640.0, 5278.0, 5454.0, 5713.0, 5581.0, 5283.0, 5413.0, 5534.0, 5631.0, 5635.0, 5276.0, 5445.0, 5339.0, 5368.0, 5498.0, 5416.0, 5514.0, 5392.0, 5433.0, 5421.0, 5634.0, 5593.0, 5260.0, 5706.0, 5387.0, 5351.0, 5453.0, 5259.0, 5597.0, 5468.0, 5696.0, 5562.0, 5503.0, 5664.0, 5650.0, 5436.0, 5314.0, 5545.0, 5324.0, 5596.0, 5686.0, 5483.0, 5334.0, 5277.0, 5669.0, 5519.0, 5288.0, 5464.0, 5694.0,

						5371.0, 5439.0, 5646.0, 5467.0, 5639.0, 5554.0, 5570.0, 5440.0, 5606.0, 5656.0, 5533.0, 5637.0 (number of hits: 15)
11	5530	9	1	333	1	5316.0, 5364.0, 5555.0, 5657.0, 5682.0, 5697.0, 5297.0, 5295.0, 5673.0, 5519.0, 5584.0, 5483.0, 5545.0, 5471.0, 5392.0, 5578.0, 5344.0, 5347.0, 5259.0, 5656.0, 5427.0, 5559.0, 5470.0, 5708.0, 5651.0, 5435.0, 5601.0, 5720.0, 5287.0, 5593.0, 5387.0, 5375.0, 5724.0, 5304.0, 5361.0, 5255.0, 5252.0, 5403.0, 5619.0, 5542.0, 5313.0, 5469.0, 5571.0, 5647.0, 5675.0, 5645.0, 5687.0, 5512.0, 5293.0, 5459.0, 5284.0, 5699.0, 5308.0, 5334.0, 5391.0, 5476.0, 5517.0, 5650.0, 5260.0, 5305.0, 5661.0, 5363.0, 5719.0, 5655.0, 5574.0, 5672.0, 5400.0, 5605.0, 5425.0, 5540.0, 5348.0, 5331.0, 5550.0, 5405.0, 5530.0, 5649.0, 5360.0, 5551.0, 5455.0, 5722.0, 5279.0, 5447.0, 5461.0, 5585.0, 5548.0, 5267.0, 5337.0, 5695.0, 5327.0, 5564.0, 5376.0, 5558.0, 5453.0, 5477.0, 5285.0, 5562.0, 5486.0, 5606.0, 5681.0, 5442.0 (number of hits: 15)
12	5530	9	1	333	1	5437.0, 5394.0, 5688.0, 5271.0, 5534.0, 5570.0, 5469.0, 5589.0, 5547.0, 5509.0, 5479.0, 5496.0, 5582.0, 5456.0, 5287.0, 5691.0, 5405.0, 5387.0, 5424.0, 5421.0, 5466.0, 5683.0, 5338.0, 5639.0, 5428.0, 5407.0, 5624.0, 5477.0, 5312.0, 5286.0, 5512.0, 5467.0, 5539.0, 5559.0, 5279.0, 5296.0, 5541.0, 5604.0, 5267.0, 5662.0, 5455.0, 5607.0, 5476.0, 5289.0, 5709.0, 5521.0, 5318.0, 5644.0, 5663.0, 5319.0, 5678.0, 5283.0, 5276.0, 5458.0, 5675.0, 5377.0, 5293.0, 5708.0, 5328.0, 5549.0, 5374.0, 5518.0, 5560.0, 5659.0, 5503.0, 5544.0, 5361.0, 5375.0, 5652.0, 5326.0, 5397.0, 5550.0, 5278.0, 5575.0, 5285.0, 5292.0, 5450.0, 5396.0, 5698.0, 5656.0, 5592.0, 5431.0, 5265.0, 5321.0, 5571.0, 5386.0, 5485.0, 5636.0, 5511.0, 5631.0, 5565.0, 5568.0, 5525.0, 5277.0, 5720.0, 5373.0, 5486.0, 5429.0, 5311.0, 5724.0 (number of hits: 19)
13	5530	9	1	333	1	5630.0, 5289.0, 5284.0, 5534.0, 5629.0, 5330.0, 5482.0, 5489.0, 5544.0, 5427.0, 5494.0, 5292.0, 5567.0, 5471.0, 5492.0, 5420.0, 5311.0, 5421.0, 5525.0, 5642.0, 5320.0, 5339.0, 5529.0, 5487.0, 5336.0, 5504.0, 5682.0, 5675.0, 5564.0, 5565.0, 5648.0, 5549.0, 5268.0, 5273.0, 5424.0, 5505.0, 5563.0, 5674.0, 5691.0, 5462.0, 5380.0, 5499.0, 5301.0, 5582.0, 5620.0, 5548.0, 5625.0, 5498.0, 5530.0, 5485.0, 5669.0, 5297.0, 5709.0, 5631.0, 5399.0, 5306.0, 5568.0, 5338.0, 5690.0, 5716.0, 5656.0, 5686.0, 5251.0, 5390.0, 5353.0, 5439.0, 5264.0, 5601.0, 5603.0, 5579.0, 5593.0, 5348.0, 5386.0, 5543.0, 5373.0, 5333.0, 5415.0, 5551.0, 5660.0, 5454.0, 5685.0, 5612.0, 5466.0, 5554.0, 5678.0, 5376.0, 5312.0, 5318.0, 5604.0, 5493.0, 5460.0, 5713.0, 5668.0, 5287.0, 5477.0, 5409.0, 5315.0, 5438.0, 5636.0, 5441.0 (number of hits: 22)
14	5530	9	1	333	1	5366.0, 5676.0, 5452.0, 5261.0, 5389.0, 5292.0, 5545.0, 5365.0, 5720.0, 5439.0, 5643.0, 5667.0, 5254.0, 5392.0, 5519.0, 5498.0, 5679.0, 5707.0, 5539.0, 5551.0, 5257.0, 5604.0, 5535.0, 5267.0, 5289.0, 5393.0, 5518.0, 5596.0, 5360.0, 5701.0, 5451.0, 5268.0, 5424.0, 5660.0, 5298.0, 5471.0, 5675.0, 5580.0, 5438.0, 5271.0, 5300.0, 5515.0, 5552.0, 5630.0, 5413.0, 5713.0, 5653.0, 5343.0, 5521.0, 5469.0, 5531.0, 5622.0, 5488.0, 5474.0, 5468.0, 5306.0, 5582.0, 5332.0, 5591.0, 5317.0, 5367.0, 5462.0, 5650.0, 5409.0, 5337.0, 5489.0, 5303.0, 5364.0, 5644.0, 5286.0, 5524.0, 5374.0, 5573.0, 5383.0, 5696.0, 5558.0, 5590.0, 5299.0, 5278.0, 5615.0, 5420.0, 5411.0, 5443.0, 5612.0, 5559.0, 5642.0, 5352.0, 5669.0, 5362.0, 5575.0, 5687.0, 5538.0, 5425.0, 5665.0, 5282.0, 5264.0, 5688.0, 5608.0, 5272.0, 5588.0 (number of hits: 15))
15	5530	9	1	333	1	5385.0, 5431.0, 5389.0, 5357.0, 5509.0, 5502.0, 5661.0, 5448.0, 5331.0, 5544.0, 5490.0, 5318.0, 5503.0, 5415.0, 5655.0, 5607.0, 5317.0, 5648.0, 5673.0, 5590.0, 5597.0, 5601.0, 5302.0, 5489.0, 5539.0, 5442.0, 5441.0, 5695.0, 5571.0, 5706.0, 5423.0, 5449.0, 5528.0, 5432.0, 5436.0, 5543.0, 5537.0, 5329.0, 5421.0, 5622.0, 5412.0, 5422.0, 5450.0, 5496.0, 5369.0, 5463.0, 5549.0, 5577.0, 5362.0, 5447.0, 5453.0, 5296.0, 5476.0, 5275.0, 5578.0, 5435.0, 5254.0, 5668.0, 5653.0, 5514.0, 5396.0, 5469.0, 5704.0, 5378.0,

						5443.0, 5475.0, 5484.0, 5409.0, 5510.0, 5272.0, 5616.0, 5500.0, 5621.0, 5418.0, 5320.0, 5608.0, 5438.0, 5377.0, 5674.0, 5338.0, 5572.0, 5640.0, 5398.0, 5425.0, 5675.0, 5522.0, 5701.0, 5350.0, 5343.0, 5470.0, 5356.0, 5437.0, 5583.0, 5312.0, 5681.0, 5507.0, 5298.0, 5568.0, 5333.0, 5505.0 (number of hits: 17)
16	5530	9	1	333	1	5508.0, 5622.0, 5668.0, 5314.0, 5284.0, 5264.0, 5532.0, 5588.0, 5490.0, 5564.0, 5603.0, 5572.0, 5302.0, 5570.0, 5692.0, 5509.0, 5409.0, 5455.0, 5458.0, 5510.0, 5272.0, 5375.0, 5450.0, 5571.0, 5519.0, 5316.0, 5251.0, 5376.0, 5463.0, 5436.0, 5482.0, 5483.0, 5469.0, 5693.0, 5303.0, 5361.0, 5606.0, 5678.0, 5709.0, 5297.0, 5257.0, 5287.0, 5358.0, 5384.0, 5539.0, 5670.0, 5351.0, 5373.0, 5404.0, 5634.0, 5430.0, 5359.0, 5341.0, 5515.0, 5595.0, 5689.0, 5643.0, 5506.0, 5610.0, 5700.0, 5658.0, 5403.0, 5672.0, 5342.0, 5626.0, 5420.0, 5485.0, 5669.0, 5612.0, 5720.0, 5560.0, 5343.0, 5712.0, 5401.0, 5677.0, 5687.0, 5356.0, 5347.0, 5321.0, 5528.0, 5313.0, 5418.0, 5569.0, 5717.0, 5628.0, 5331.0, 5428.0, 5541.0, 5338.0, 5394.0, 5710.0, 5262.0, 5431.0, 5282.0, 5621.0, 5556.0, 5337.0, 5517.0, 5311.0, 5340.0 (number of hits: 14)
17	5530	9	1	333	1	5528.0, 5269.0, 5486.0, 5564.0, 5653.0, 5409.0, 5554.0, 5277.0, 5658.0, 5488.0, 5401.0, 5547.0, 5477.0, 5402.0, 5479.0, 5584.0, 5456.0, 5556.0, 5305.0, 5670.0, 5338.0, 5566.0, 5424.0, 5689.0, 5533.0, 5680.0, 5512.0, 5532.0, 5420.0, 5266.0, 5395.0, 5683.0, 5626.0, 5268.0, 5407.0, 5428.0, 5378.0, 5558.0, 5320.0, 5487.0, 5692.0, 5629.0, 5617.0, 5386.0, 5464.0, 5622.0, 5413.0, 5567.0, 5531.0, 5444.0, 5433.0, 5321.0, 5478.0, 5523.0, 5524.0, 5719.0, 5357.0, 5723.0, 5390.0, 5560.0, 5514.0, 5259.0, 5437.0, 5376.0, 5575.0, 5353.0, 5406.0, 5667.0, 5668.0, 5576.0, 5550.0, 5702.0, 5552.0, 5688.0, 5722.0, 5337.0, 5366.0, 5610.0, 5419.0, 5273.0, 5698.0, 5445.0, 5485.0, 5481.0, 5596.0, 5411.0, 5674.0, 5616.0, 5370.0, 5431.0, 5283.0, 5507.0, 5373.0, 5414.0, 5516.0, 5713.0, 5511.0, 5571.0, 5470.0, 5404.0 (number of hits: 21)
18	5530	9	1	333	1	5476.0, 5432.0, 5292.0, 5508.0, 5649.0, 5594.0, 5426.0, 5631.0, 5307.0, 5372.0, 5419.0, 5379.0, 5623.0, 5393.0, 5360.0, 5661.0, 5263.0, 5547.0, 5494.0, 5465.0, 5703.0, 5252.0, 5724.0, 5499.0, 5518.0, 5569.0, 5450.0, 5443.0, 5537.0, 5507.0, 5278.0, 5618.0, 5350.0, 5259.0, 5568.0, 5287.0, 5558.0, 5600.0, 5463.0, 5369.0, 5319.0, 5633.0, 5541.0, 5643.0, 5550.0, 5679.0, 5485.0, 5311.0, 5400.0, 5553.0, 5581.0, 5593.0, 5288.0, 5483.0, 5251.0, 5423.0, 5692.0, 5551.0, 5471.0, 5273.0, 5524.0, 5396.0, 5596.0, 5506.0, 5644.0, 5583.0, 5686.0, 5648.0, 5526.0, 5514.0, 5662.0, 5391.0, 5280.0, 5527.0, 5262.0, 5492.0, 5715.0, 5349.0, 5289.0, 5265.0, 5281.0, 5333.0, 5688.0, 5447.0, 5422.0, 5701.0, 5300.0, 5691.0, 5466.0, 5677.0, 5580.0, 5459.0, 5420.0, 5394.0, 5363.0, 5687.0, 5674.0, 5672.0, 5542.0, 5627.0 (number of hits: 20)
19	5530	9	1	333	1	5516.0, 5469.0, 5545.0, 5337.0, 5363.0, 5612.0, 5557.0, 5680.0, 5572.0, 5568.0, 5349.0, 5449.0, 5654.0, 5443.0, 5259.0, 5395.0, 5523.0, 5415.0, 5465.0, 5682.0, 5576.0, 5497.0, 5382.0, 5356.0, 5651.0, 5293.0, 5361.0, 5307.0, 5270.0, 5593.0, 5376.0, 5566.0, 5631.0, 5314.0, 5539.0, 5717.0, 5691.0, 5574.0, 5600.0, 5255.0, 5653.0, 5458.0, 5526.0, 5571.0, 5295.0, 5303.0, 5531.0, 5570.0, 5373.0, 5417.0, 5410.0, 5290.0, 5371.0, 5676.0, 5301.0, 5510.0, 5649.0, 5605.0, 5509.0, 5276.0, 5266.0, 5323.0, 5326.0, 5343.0, 5617.0, 5264.0, 5645.0, 5659.0, 5583.0, 5646.0, 5673.0, 5418.0, 5289.0, 5558.0, 5318.0, 5421.0, 5618.0, 5567.0, 5358.0, 5692.0, 5548.0, 5702.0, 5321.0, 5508.0, 5512.0, 5342.0, 5340.0, 5575.0, 5589.0, 5305.0, 5444.0, 5280.0, 5378.0, 5484.0, 5486.0, 5619.0, 5406.0, 5594.0, 5398.0, 5582.0 (number of hits: 17)
20	5530	9	1	333	1	5524.0, 5347.0, 5586.0, 5340.0, 5513.0, 5439.0, 5265.0, 5431.0, 5378.0, 5329.0, 5321.0, 5574.0, 5425.0, 5303.0, 5392.0, 5325.0, 5366.0, 5636.0, 5676.0, 5503.0, 5356.0, 5387.0, 5585.0, 5661.0, 5377.0, 5569.0, 5684.0, 5276.0, 5480.0, 5445.0, 5354.0, 5301.0, 5582.0, 5681.0, 5559.0, 5673.0, 5641.0, 5369.0, 5649.0, 5547.0,

						5560.0, 5323.0, 5462.0, 5487.0, 5332.0, 5542.0, 5320.0, 5629.0, 5349.0, 5561.0, 5527.0, 5528.0, 5601.0, 5488.0, 5361.0, 5261.0, 5285.0, 5689.0, 5605.0, 5623.0, 5383.0, 5304.0, 5334.0, 5716.0, 5278.0, 5696.0, 5606.0, 5712.0, 5548.0, 5435.0, 5468.0, 5270.0, 5335.0, 5717.0, 5483.0, 5540.0, 5578.0, 5274.0, 5372.0, 5393.0, 5662.0, 5549.0, 5322.0, 5506.0, 5546.0, 5471.0, 5618.0, 5621.0, 5590.0, 5379.0, 5525.0, 5302.0, 5584.0, 5707.0, 5423.0, 5371.0, 5719.0, 5399.0, 5475.0, 5615.0 (number of hits: 16)
21	5530	9	1	333	1	5300.0, 5412.0, 5419.0, 5382.0, 5304.0, 5698.0, 5388.0, 5302.0, 5320.0, 5656.0, 5330.0, 5472.0, 5499.0, 5678.0, 5324.0, 5303.0, 5338.0, 5426.0, 5404.0, 5366.0, 5724.0, 5648.0, 5540.0, 5670.0, 5288.0, 5417.0, 5332.0, 5270.0, 5577.0, 5439.0, 5275.0, 5664.0, 5586.0, 5535.0, 5519.0, 5687.0, 5666.0, 5344.0, 5646.0, 5438.0, 5653.0, 5609.0, 5352.0, 5434.0, 5261.0, 5713.0, 5665.0, 5521.0, 5538.0, 5541.0, 5574.0, 5588.0, 5406.0, 5613.0, 5548.0, 5378.0, 5393.0, 5346.0, 5478.0, 5353.0, 5622.0, 5341.0, 5427.0, 5709.0, 5299.0, 5504.0, 5723.0, 5555.0, 5689.0, 5395.0, 5409.0, 5671.0, 5263.0, 5373.0, 5479.0, 5706.0, 5259.0, 5630.0, 5450.0, 5539.0, 5436.0, 5331.0, 5694.0, 5683.0, 5537.0, 5256.0, 5587.0, 5717.0, 5418.0, 5407.0, 5591.0, 5583.0, 5607.0, 5483.0, 5625.0, 5701.0, 5635.0, 5281.0, 5686.0, 5570.0 (number of hits: 12)
22	5530	9	1	333	1	5512.0, 5434.0, 5715.0, 5671.0, 5468.0, 5457.0, 5534.0, 5721.0, 5554.0, 5491.0, 5551.0, 5464.0, 5414.0, 5503.0, 5583.0, 5631.0, 5703.0, 5502.0, 5697.0, 5650.0, 5448.0, 5587.0, 5278.0, 5330.0, 5533.0, 5679.0, 5547.0, 5596.0, 5524.0, 5294.0, 5367.0, 5675.0, 5526.0, 5519.0, 5393.0, 5681.0, 5301.0, 5485.0, 5465.0, 5634.0, 5576.0, 5535.0, 5428.0, 5630.0, 5692.0, 5390.0, 5707.0, 5431.0, 5313.0, 5652.0, 5411.0, 5451.0, 5360.0, 5543.0, 5561.0, 5584.0, 5542.0, 5659.0, 5618.0, 5369.0, 5364.0, 5673.0, 5639.0, 5683.0, 5617.0, 5355.0, 5262.0, 5719.0, 5592.0, 5359.0, 5664.0, 5263.0, 5616.0, 5544.0, 5319.0, 5488.0, 5722.0, 5677.0, 5275.0, 5646.0, 5713.0, 5523.0, 5498.0, 5446.0, 5648.0, 5627.0, 5397.0, 5389.0, 5516.0, 5334.0, 5480.0, 5605.0, 5510.0, 5361.0, 5624.0, 5573.0, 5398.0, 5643.0, 5588.0, 5251.0 (number of hits: 21)
23	5530	9	1	333	1	5594.0, 5358.0, 5500.0, 5428.0, 5274.0, 5253.0, 5310.0, 5708.0, 5306.0, 5305.0, 5387.0, 5549.0, 5344.0, 5622.0, 5397.0, 5488.0, 5585.0, 5694.0, 5356.0, 5713.0, 5601.0, 5542.0, 5673.0, 5635.0, 5508.0, 5521.0, 5369.0, 5561.0, 5426.0, 5389.0, 5388.0, 5687.0, 5515.0, 5481.0, 5620.0, 5696.0, 5473.0, 5706.0, 5295.0, 5468.0, 5595.0, 5421.0, 5494.0, 5449.0, 5354.0, 5323.0, 5448.0, 5315.0, 5559.0, 5616.0, 5520.0, 5469.0, 5353.0, 5314.0, 5718.0, 5611.0, 5629.0, 5623.0, 5722.0, 5685.0, 5670.0, 5649.0, 5526.0, 5272.0, 5420.0, 5724.0, 5693.0, 5610.0, 5496.0, 5539.0, 5333.0, 5254.0, 5482.0, 5464.0, 5576.0, 5646.0, 5703.0, 5698.0, 5612.0, 5287.0, 5460.0, 5349.0, 5507.0, 5490.0, 5679.0, 5705.0, 5345.0, 5351.0, 5668.0, 5427.0, 5498.0, 5509.0, 5394.0, 5709.0, 5375.0, 5338.0, 5661.0, 5437.0, 5652.0, 5495.0 (number of hits: 17)
24	5530	9	1	333	1	5422.0, 5437.0, 5592.0, 5723.0, 5425.0, 5587.0, 5414.0, 5453.0, 5535.0, 5259.0, 5591.0, 5416.0, 5650.0, 5660.0, 5700.0, 5270.0, 5607.0, 5673.0, 5274.0, 5421.0, 5711.0, 5302.0, 5361.0, 5385.0, 5393.0, 5323.0, 5477.0, 5511.0, 5386.0, 5642.0, 5269.0, 5250.0, 5463.0, 5445.0, 5640.0, 5305.0, 5692.0, 5400.0, 5611.0, 5630.0, 5523.0, 5363.0, 5671.0, 5424.0, 5515.0, 5554.0, 5633.0, 5525.0, 5543.0, 5290.0, 5307.0, 5378.0, 5344.0, 5407.0, 5278.0, 5637.0, 5397.0, 5483.0, 5670.0, 5683.0, 5493.0, 5436.0, 5588.0, 5387.0, 5552.0, 5372.0, 5694.0, 5309.0, 5541.0, 5325.0, 5625.0, 5510.0, 5596.0, 5458.0, 5519.0, 5654.0, 5643.0, 5266.0, 5501.0, 5653.0, 5524.0, 5350.0, 5701.0, 5492.0, 5665.0, 5488.0, 5595.0, 5292.0, 5327.0, 5655.0, 5716.0, 5614.0, 5487.0, 5559.0, 5494.0, 5331.0, 5645.0, 5560.0, 5512.0, 5261.0 (number of hits: 19)
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						5331.0, 5386.0, 5390.0, 5586.0 (number of hits: 18)
30	5530	9	1	333	1	5540.0, 5635.0, 5472.0, 5333.0, 5261.0, 5262.0, 5594.0, 5639.0, 5715.0, 5638.0, 5443.0, 5318.0, 5645.0, 5506.0, 5415.0, 5495.0, 5487.0, 5391.0, 5290.0, 5446.0, 5451.0, 5276.0, 5501.0, 5585.0, 5668.0, 5452.0, 5449.0, 5436.0, 5402.0, 5519.0, 5352.0, 5565.0, 5379.0, 5341.0, 5371.0, 5413.0, 5541.0, 5307.0, 5298.0, 5304.0, 5664.0, 5252.0, 5398.0, 5632.0, 5339.0, 5526.0, 5517.0, 5567.0, 5686.0, 5643.0, 5386.0, 5442.0, 5627.0, 5292.0, 5537.0, 5663.0, 5581.0, 5674.0, 5605.0, 5484.0, 5468.0, 5397.0, 5455.0, 5401.0, 5359.0, 5477.0, 5577.0, 5626.0, 5313.0, 5563.0, 5486.0, 5381.0, 5648.0, 5253.0, 5263.0, 5602.0, 5557.0, 5619.0, 5669.0, 5346.0, 5457.0, 5317.0, 5437.0, 5268.0, 5366.0, 5273.0, 5554.0, 5364.0, 5507.0, 5270.0, 5347.0, 5703.0, 5445.0, 5610.0, 5713.0, 5652.0, 5323.0, 5475.0, 5544.0, 5630.0 (number of hits: 16)

10 Annex A - EUT DFS Setup Photographs

Please refer to the attachment

11 Annex B - EUT External Photographs

Please refer to the attachment

12 Annex C - EUT Internal Photographs

Please refer to the attachment

13 Annex D (Normative) - A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 10th day of March 2021.

Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3297.02
Valid to September 30, 2022

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

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