FCC PART 15.407
ISED RSS-247, ISSUE 2
LP0002: 2020
DYNAMIC FREQUENCY SELECTION
TEST REPORT

For

Cisco Systems Inc.

125 West Tasman Drive,
San Jose, CA 95134 USA

FCC ID: LDK-HTIAK2282
IC: 2461N-HTIAK2282

Report Type: Original Report	**Product Type:** Cisco Catalyst 9124AX Series
Prepared By	Zhao Zhao RF Project Engineer
Report Number	R2103091-DFS
Report Date	2021-05-20
Reviewed By	Simon Ma RF Supervisor

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ACCREDITED
CERTIFICATE #3297.02

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2103091-DFS	Original Report	2021-05-20

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 model: *C9124AXD-B (U.S.), C9124AXD-A (Canada) and C9120AXI-ROW (Taiwan)* 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 20/40/80/80+80 MHz bandwidth and BLE configurations.

1.2 Mechanical Description of EUT

Length (mm)	Width (mm)	Height (mm)	Weight (g)	Serial Number
260	235	85	2.85	FOC25033DC5

1.3 Objective

This report was prepared on behalf of *Cisco Systems Inc.* in accordance with FCC CFR47 §15.407 (h), ISED RSS-247 Issue 2, LP0002: 2020, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

1.4 Related Submittal(s)/Grant(s)

Equipment Class: DTS, FCC ID: LDK-HTIAK2282, IC: 2461N-HTIAK2282

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.

EUT test firmware:
svn base: cbb9ede4d6f21e35b41bee65bbeeae5e110785da
commit: cbb9ede4d6f21e35b41bee65bbeeae5e110785da
tree 63fbdffb426354e7c291b66543f5c2824767f05e

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	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 6: Long Pulse Radar Test Signal

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

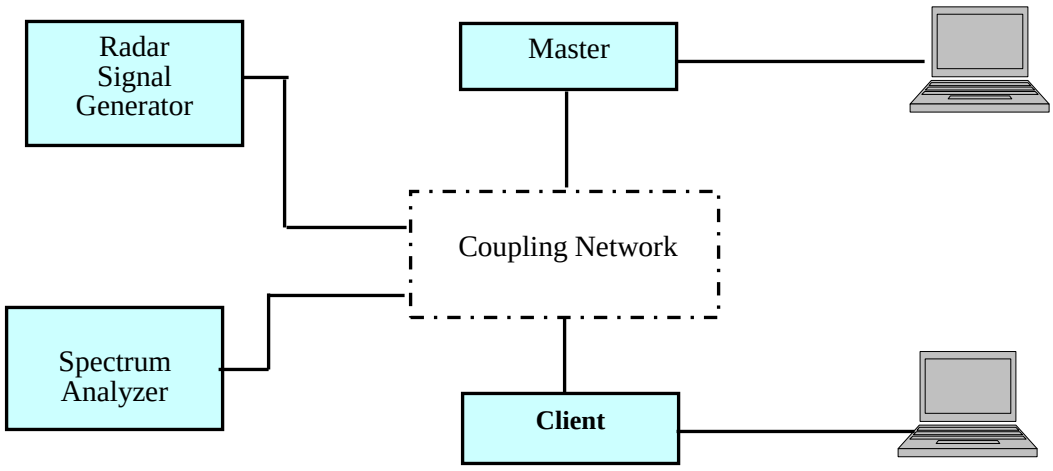
Table 7: Frequency Hopping Radar Test Signal

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

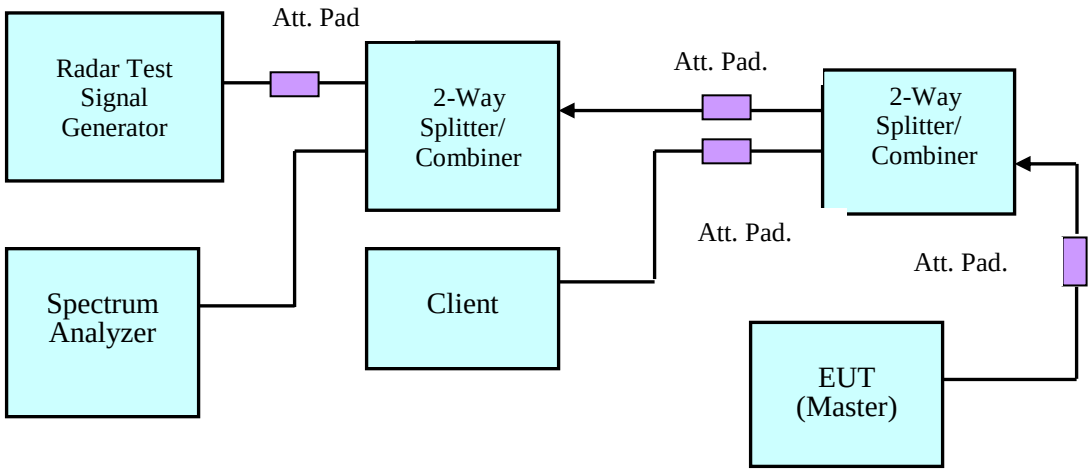
4.2 DFS Measurement System

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

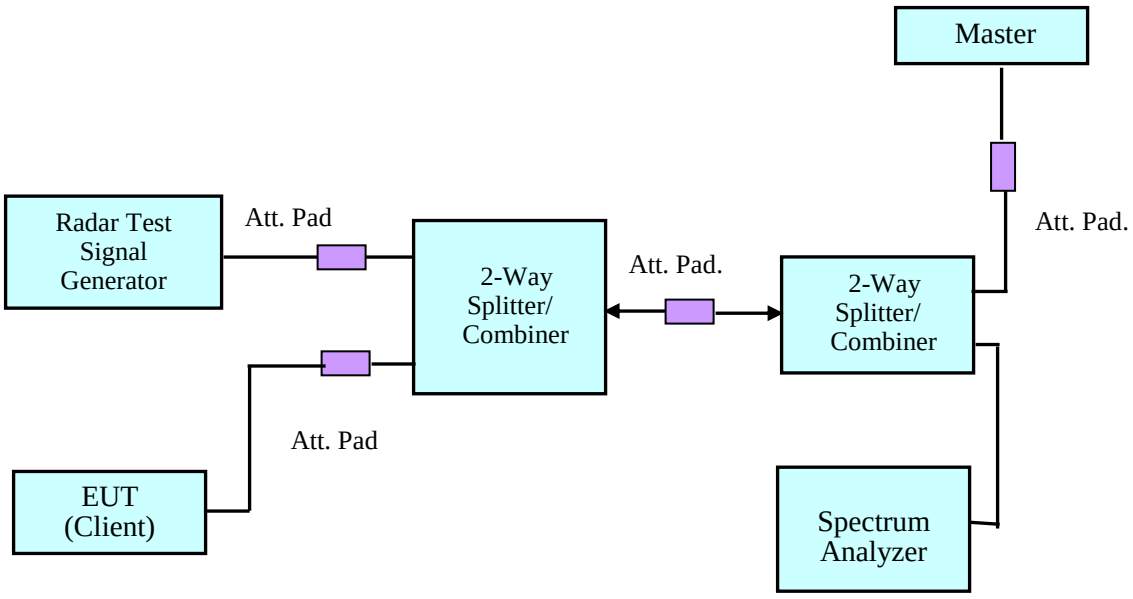
4.3 System Block Diagram



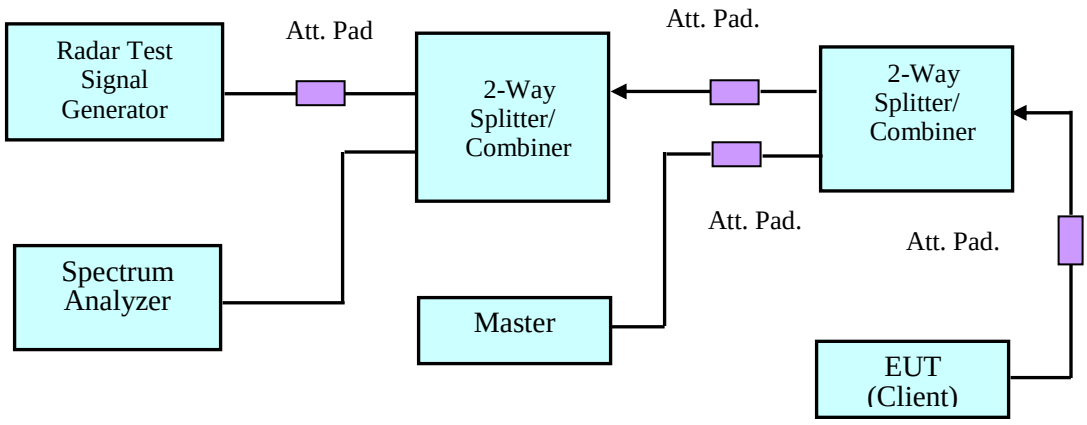
4.4 Conducted Method



Setup for Master with injection at the Master

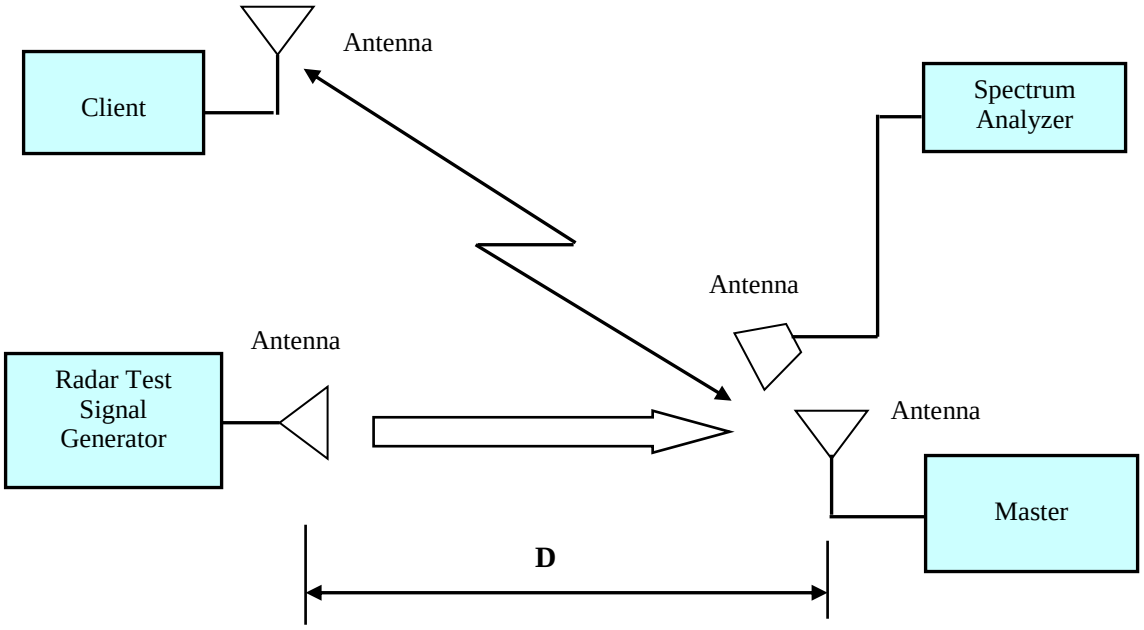


Setup for Client with injection at the Master



Setup for Client with injection at the Client

4.5 Radiated Method



4.6 Test Procedure

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

5 Test Results

5.1 Description of EUT

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

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

The calibrated radiated DFS detection threshold level is set to -64 dBm.

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

5.2 Antenna Description

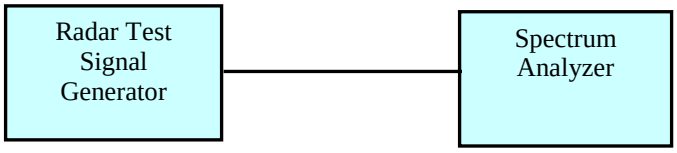
Radio	Antenna Type	Antenna Gain (dBi) @ 5 GHz
5 GHz Wi-Fi	Internal, HPOL	9
5 GHz AUX	Internal, HPOL	9

5.3 Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A	N/A
Agilent	Analyzer, Spectrum	E4446A	US44300386	2021-04-27	1 year
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	Each Time[1]	Each Time[1]
Narda	Splitter/Combiner	4326B-2	03514	Each Time[1]	Each Time[1]
Midwest	Attenuator	290-30	N/A	Each Time[1]	Each Time[1]
Mini-Circuits	Attenuator	BW-S30W2	N/A	Each Time[1]	Each Time[1]
-	RF Cable	-	-	Each Time[1]	Each Time[1]

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

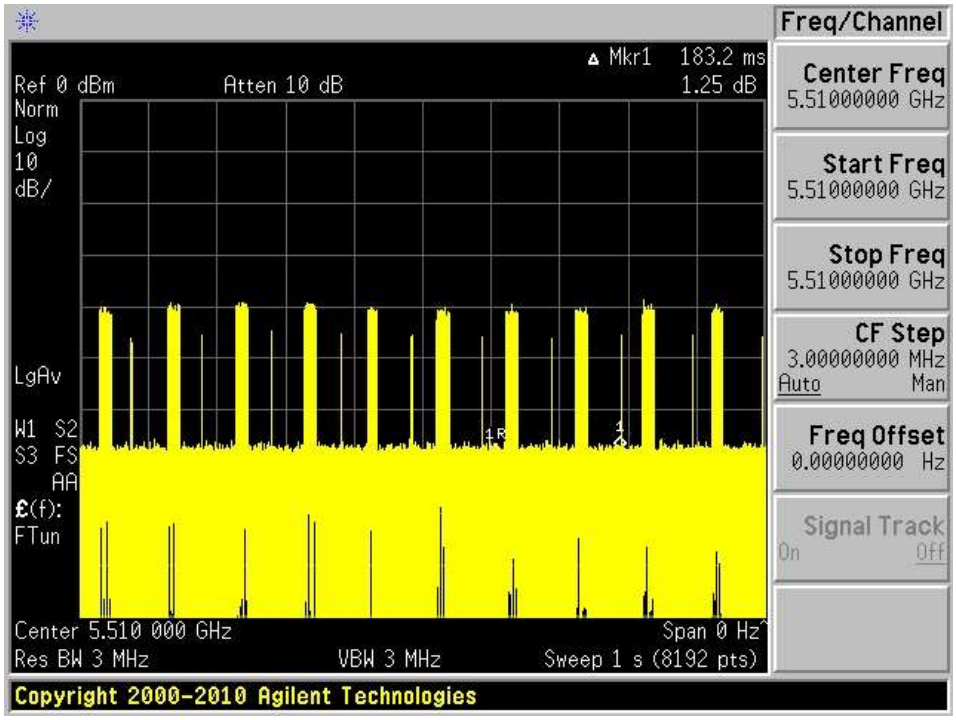
5.5 Test Environmental Conditions

Temperature:	22° C
Relative Humidity:	48 %
ATM Pressure:	101.7 kPa

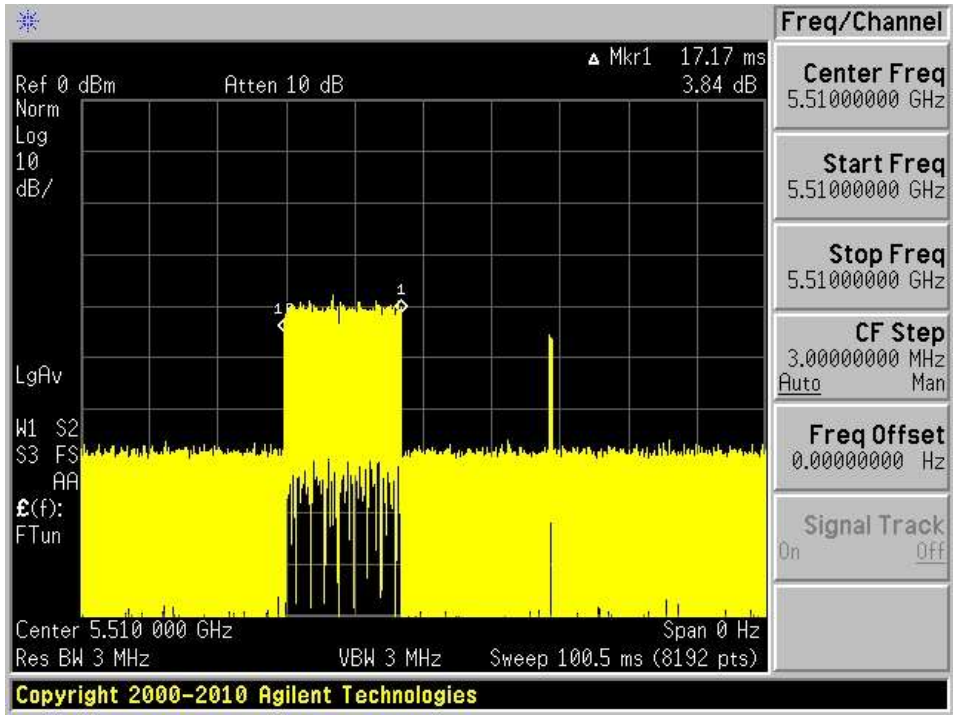
Testing was performed by Zhao Zhao on 2021-05-10 to 2021-05-13 at the DFS testing site.

5.6 Radar Traffic Duty Cycle Example

10 pulses in 1s



1 pulse width in 100ms

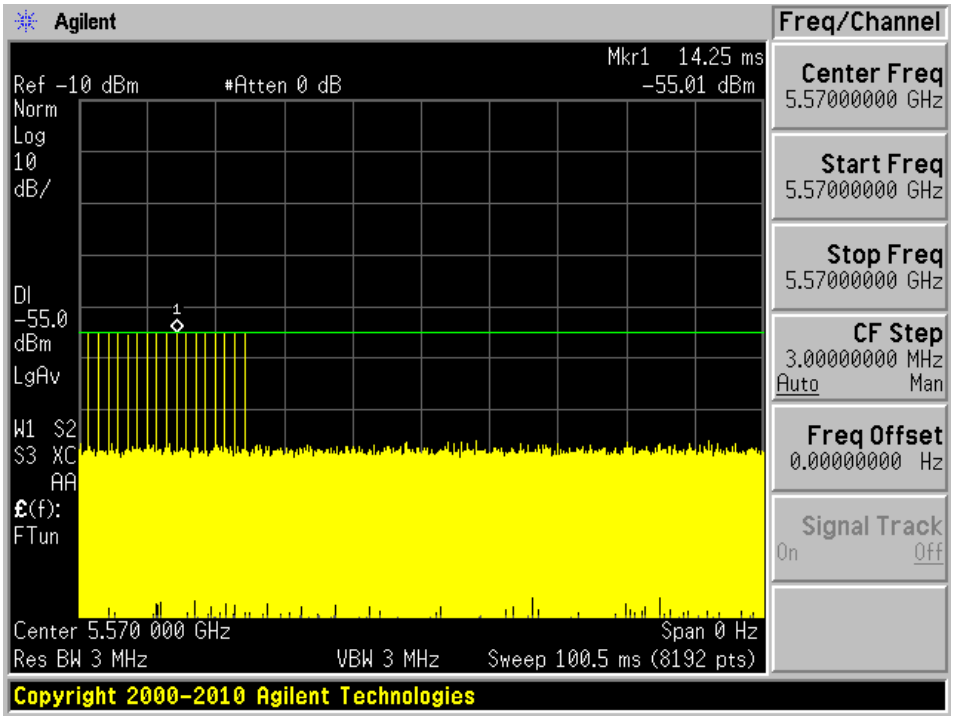


The Duty Cycle of the traffic is greater than 17%

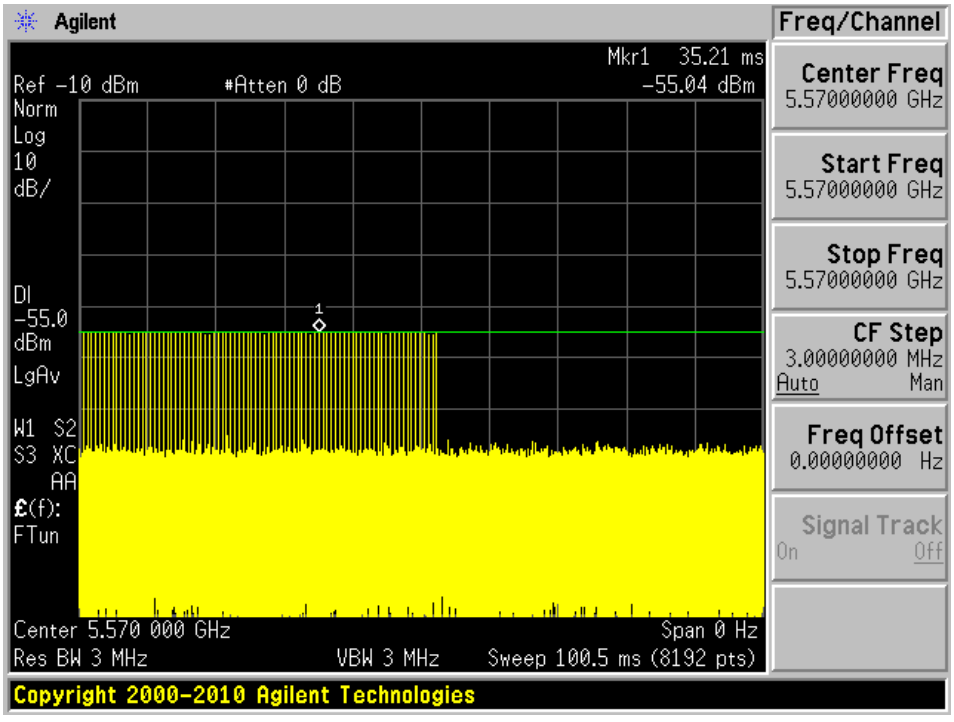
Plots of Radar Waveforms

5570 MHz

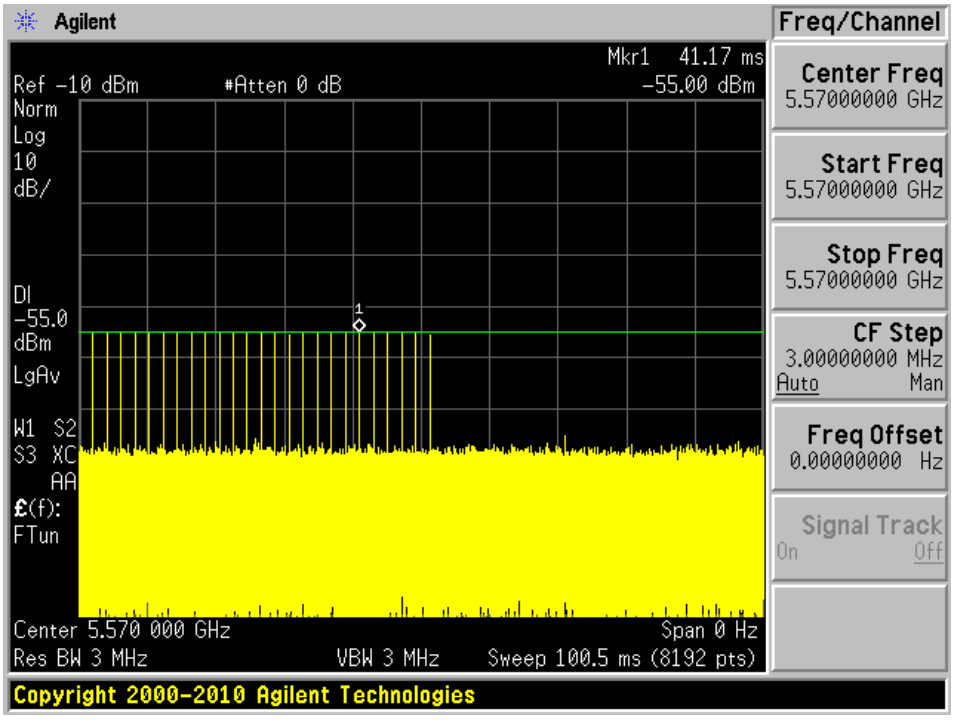
Radar Type 0



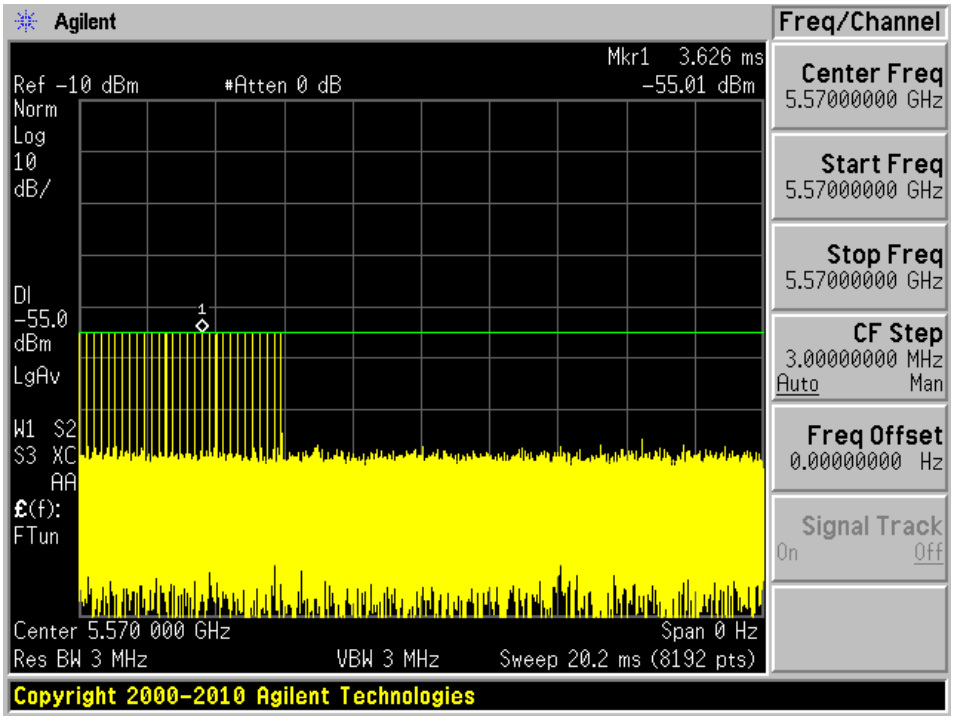
Radar Type 1A



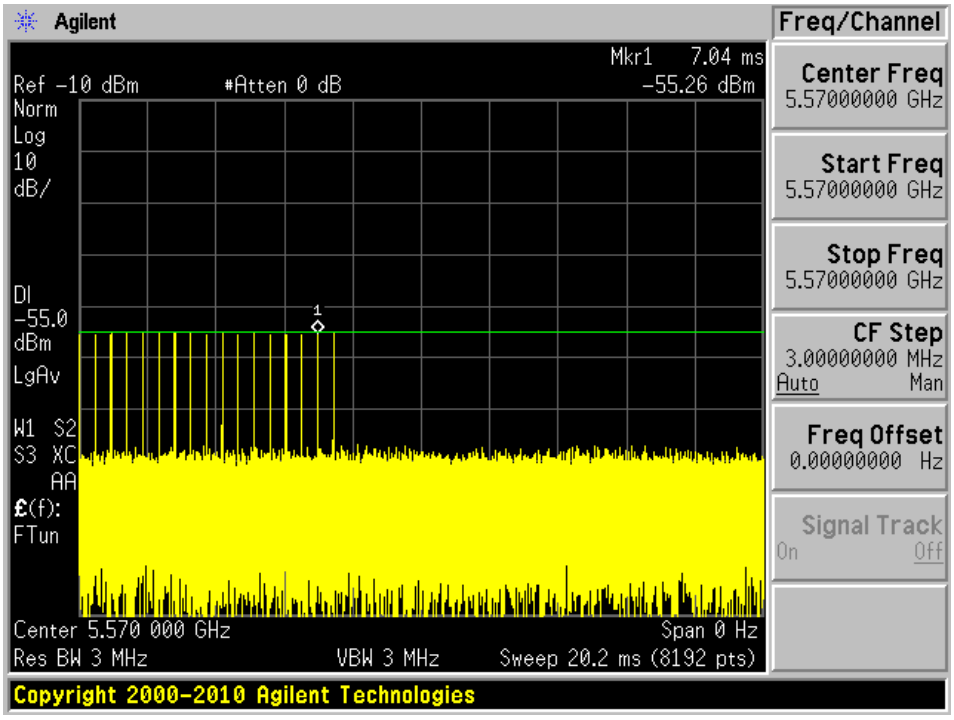
Radar Type 1B



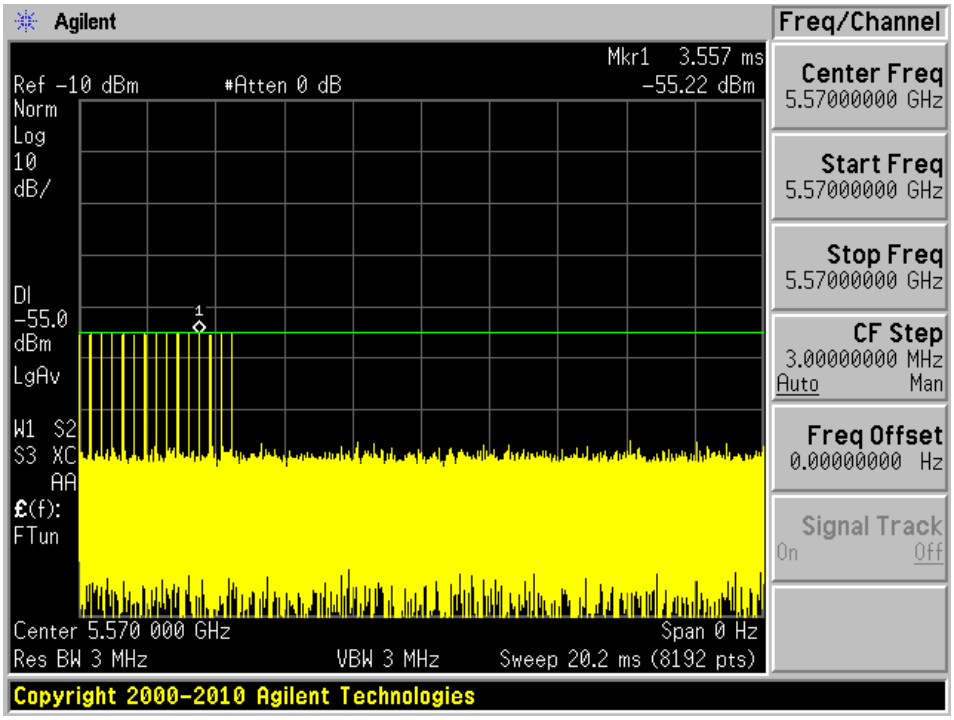
Radar Type 2



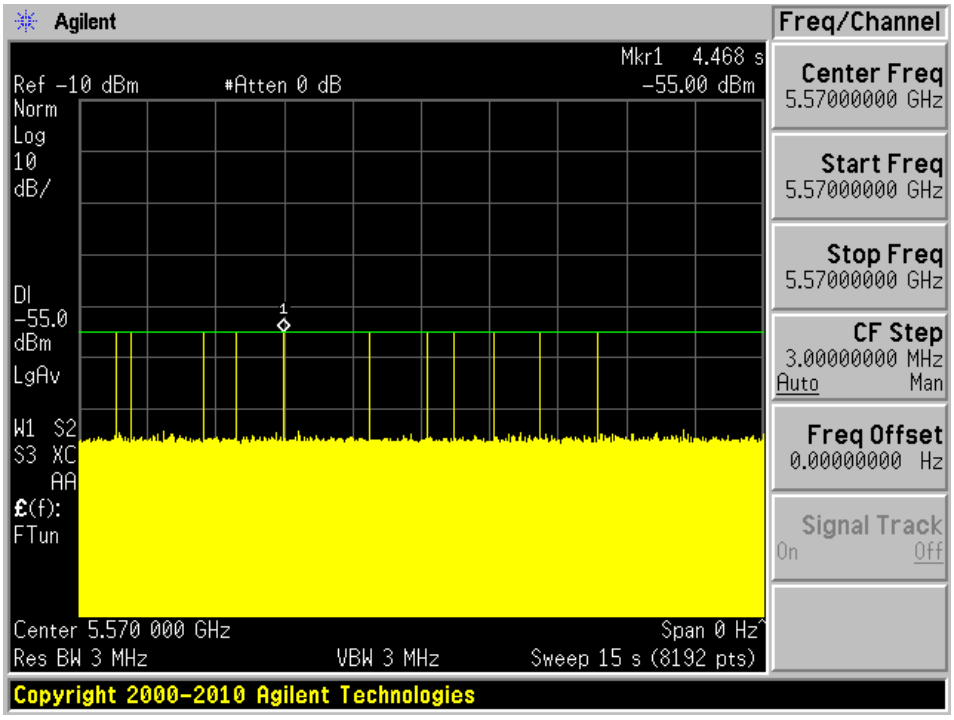
Radar Type 3



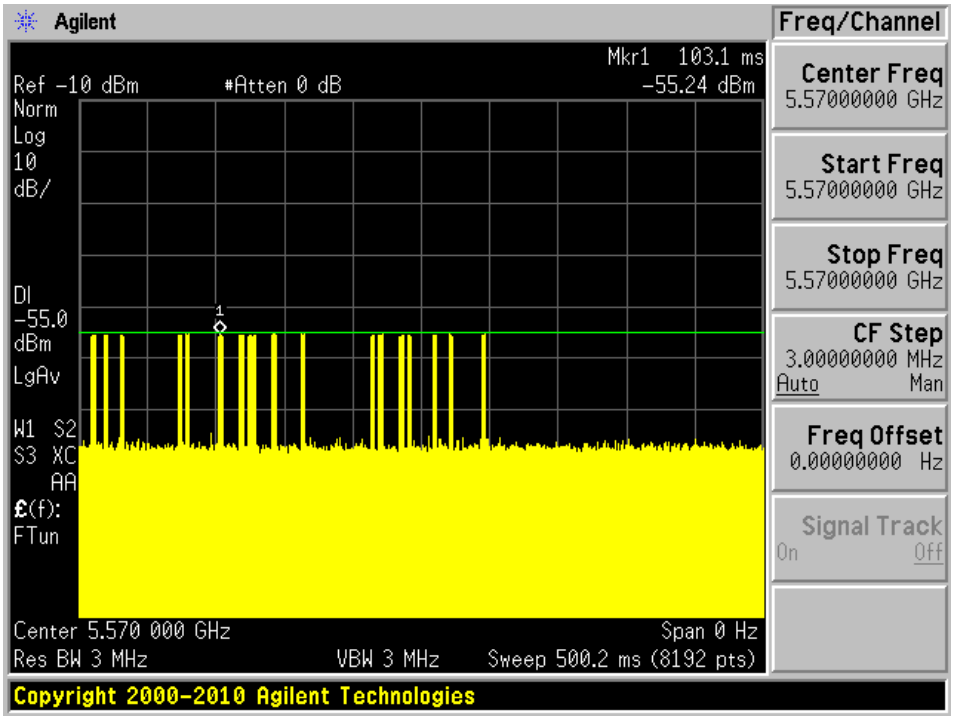
Radar Type 4



Radar Type 5



Radar Type 6



6 Channel Availability Check Time (CAC)

6.1 Test Procedure

1) 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.

6.2 Results:

5 GHz Wi-Fi Radio+5 GHz AUX

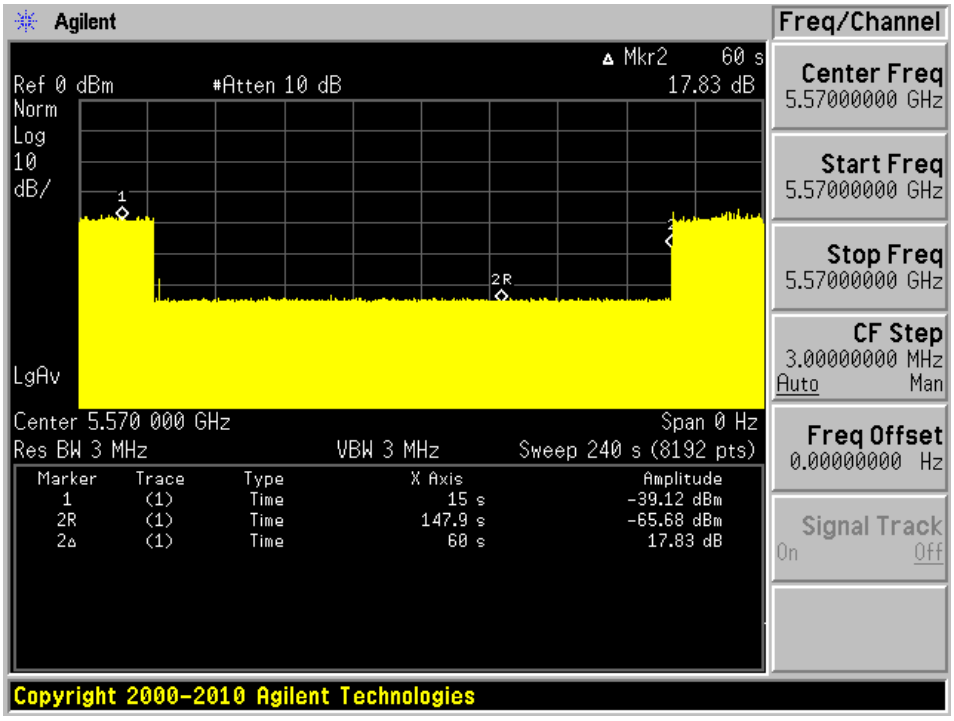
Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

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

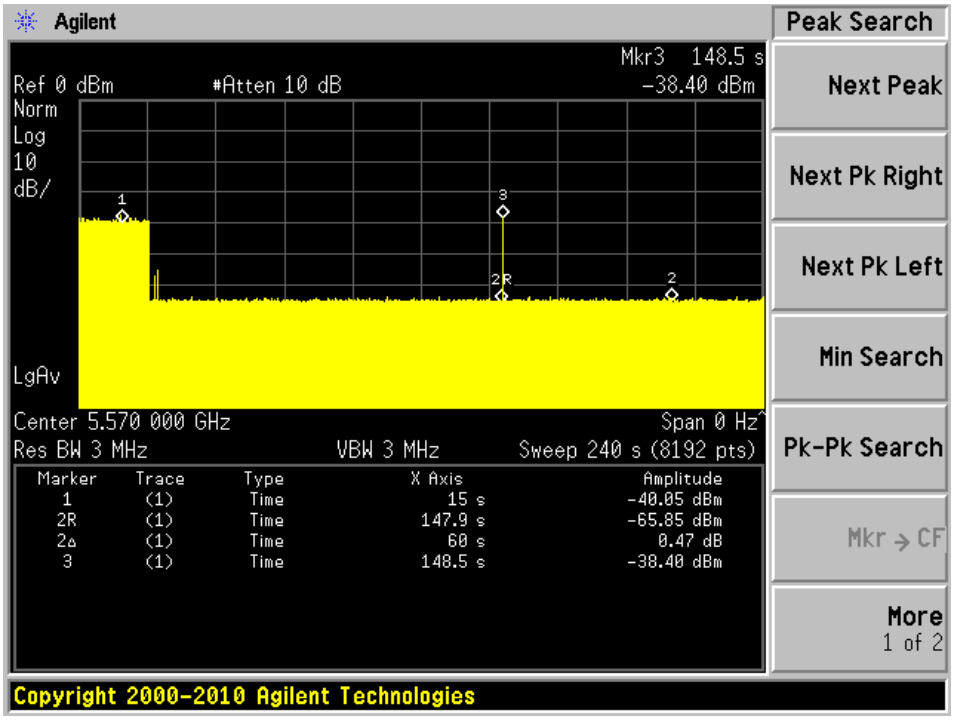
5 GHz Wi-Fi Radio + 5 GHz AUX

FCC: 5570 MHz (80+80 MHz)

Plot of Power Cycle + CAC Time Period

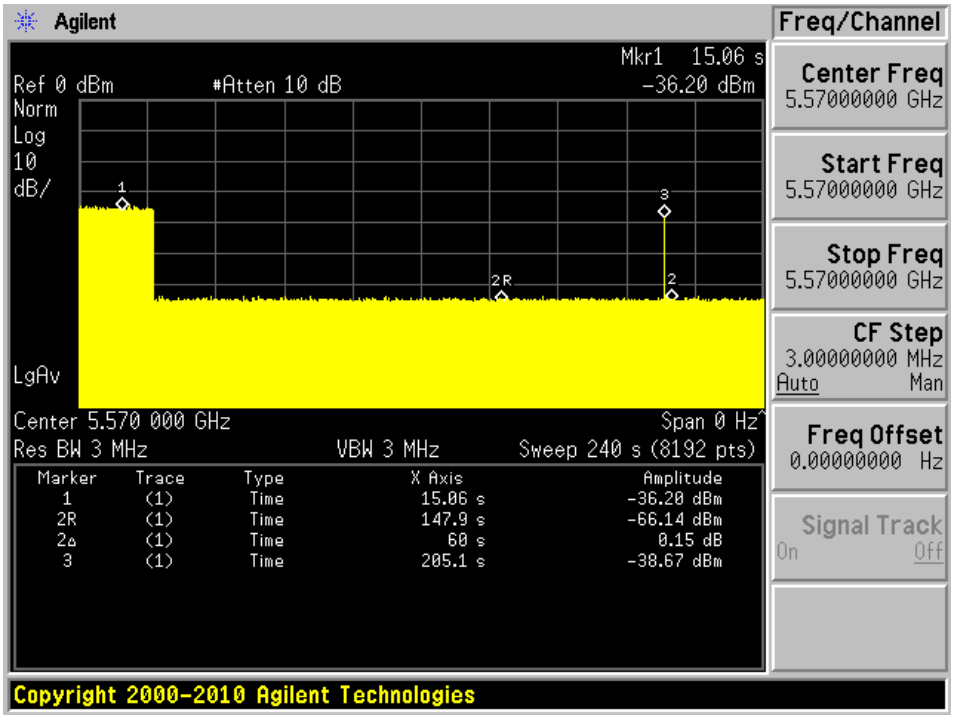


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

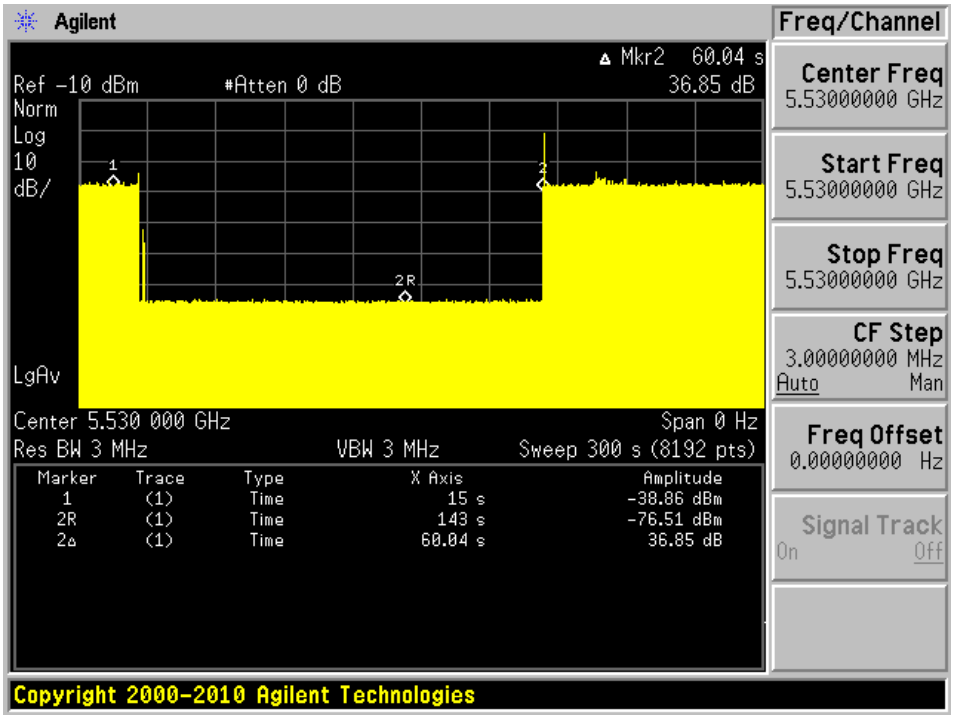
Plot of Radar signal applied at the end of 6 seconds of CAC



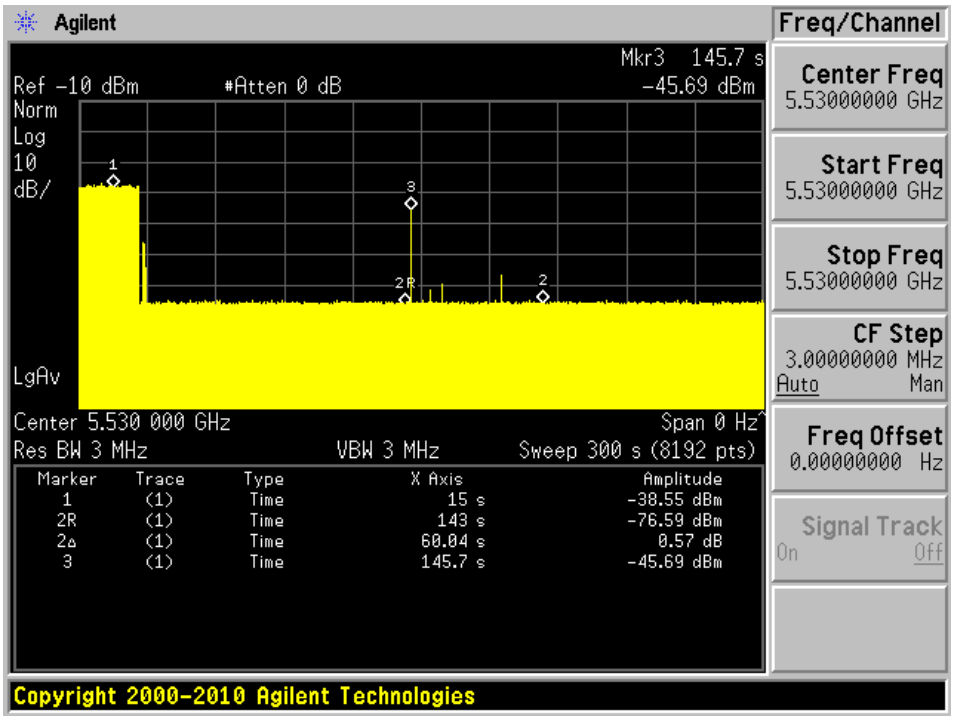
No transmissions found after radar signal applied.

IC: 5530 MHz (80 MHz)

Plot of Power Cycle + CAC Time Period

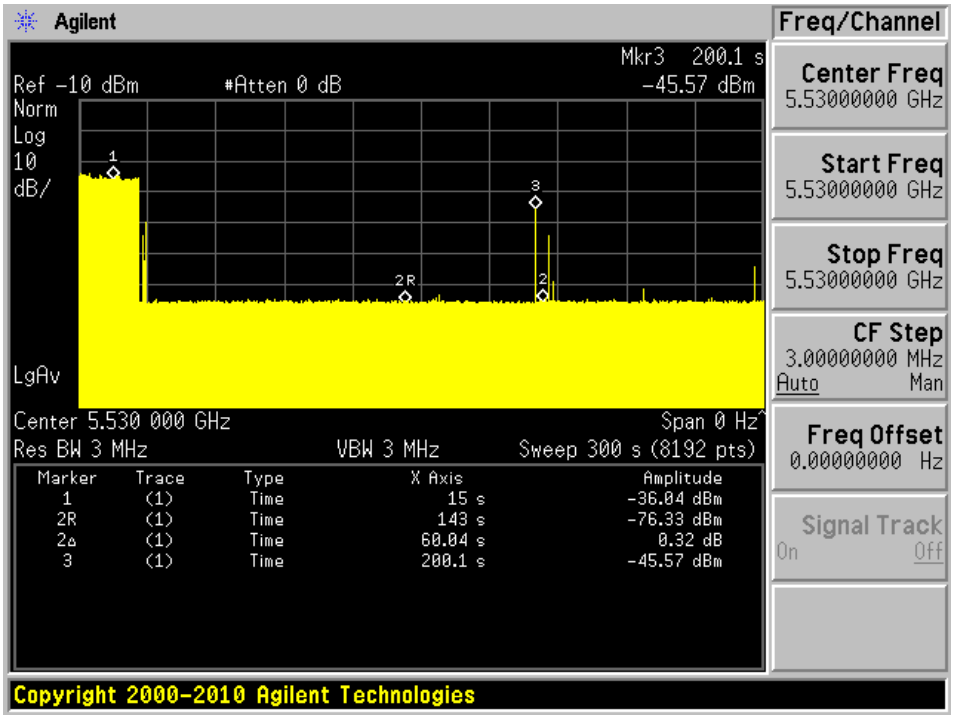


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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



No transmissions found after radar signal applied.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

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

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N * Dwell Time

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

7.2 Test Results

FCC: 5 GHz Wi-Fi Radio + 5 GHz AUX

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5570	80+80	Type 0	Compliant

IC: 5 GHz Wi-Fi Radio + 5 GHz AUX

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

Please refer to the following tables and plots.

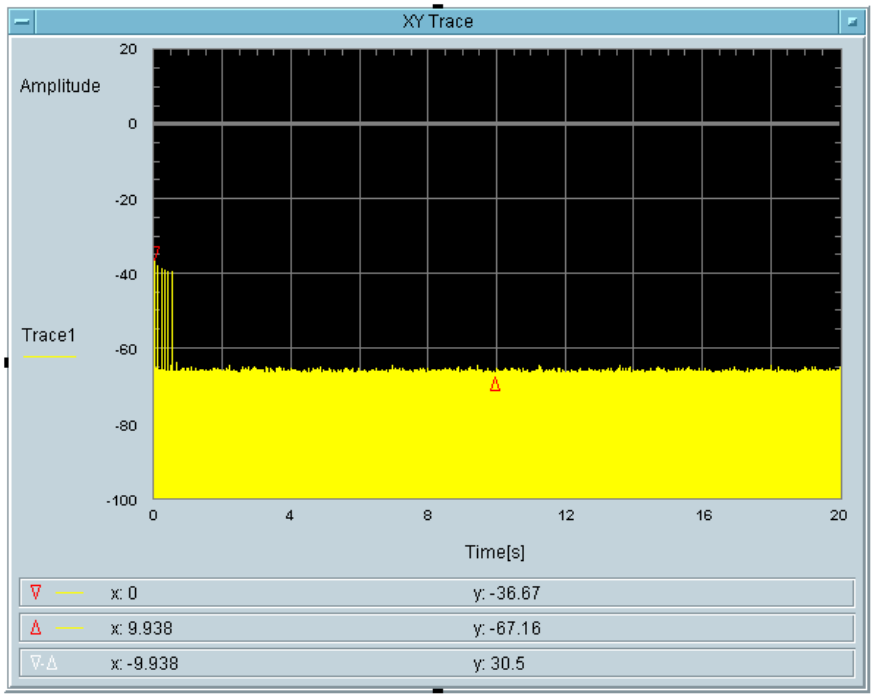
5 GHz Wi-Fi Radio + 5 GHz AUX

5570 MHz, Bandwidth 80+80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
28.86+12.21	200+60	Pass

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

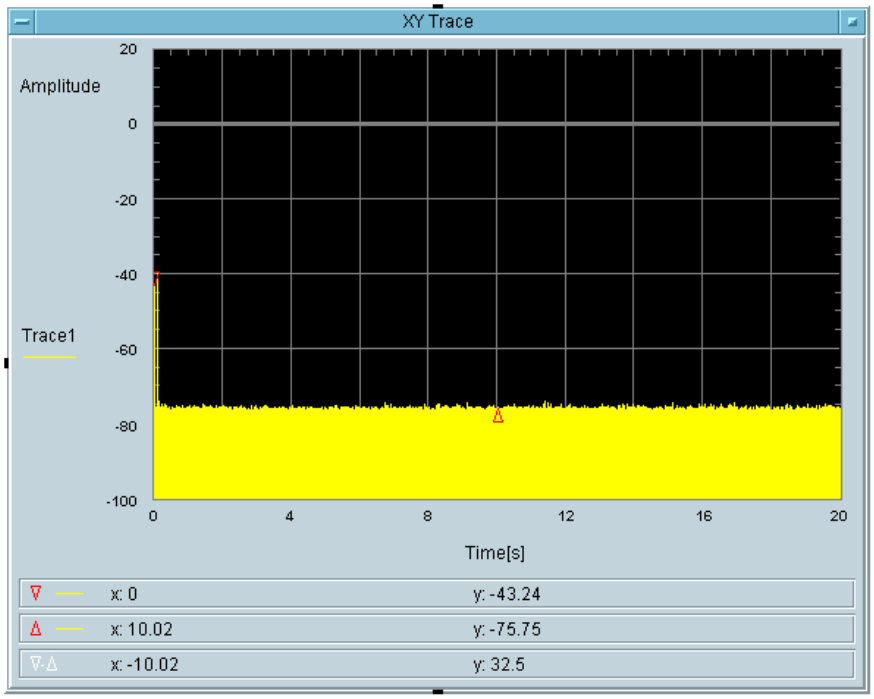


5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
24.41+0	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

FCC: 5 GHz Wi-Fi Radio + 5 GHz AUX

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5570	80+80	No transmission within 30 minutes

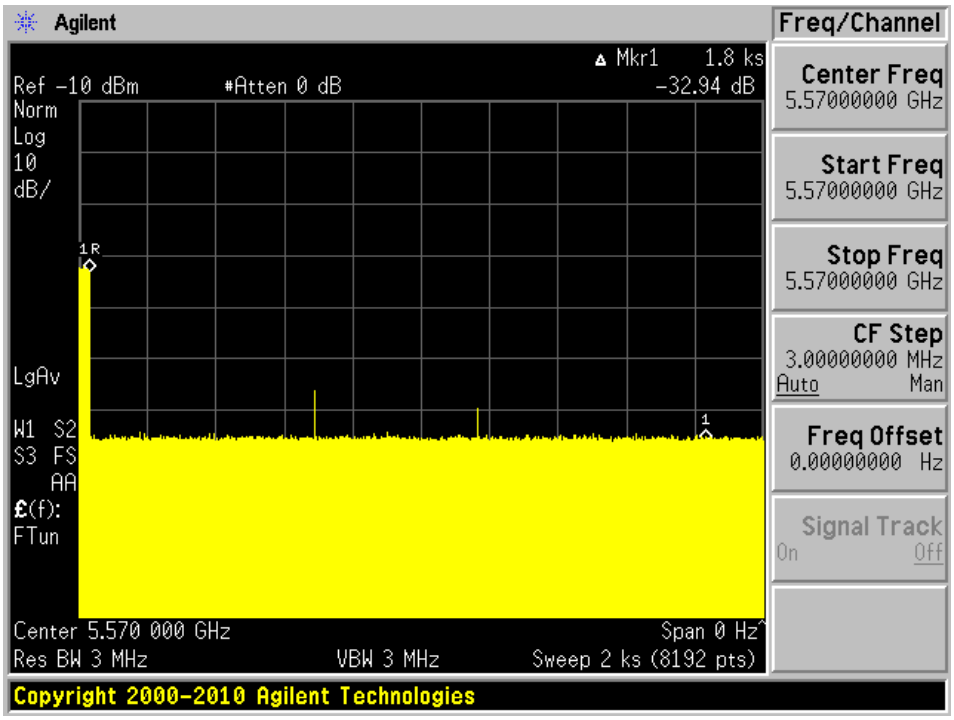
IC: 5 GHz Wi-Fi Radio + 5 GHz AUX

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

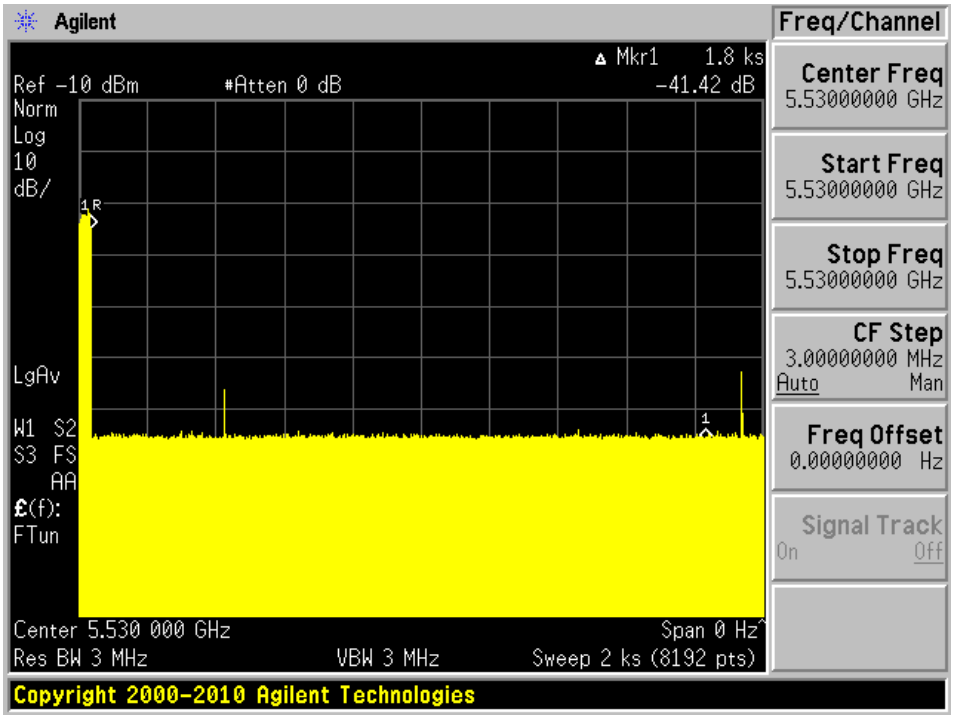
Please refer to the following plots.

5 GHz Wi-Fi Radio + 5 GHz AUX

FCC: 5570 MHz, Bandwidth 80+80 MHz



IC: 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 Wi-Fi Radio + 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
5570	5491	5649	158	100%	Compliance

Please refer to the following tables.

Results of Detection Bandwidth:

5 GHz Wi-Fi Radio + 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 %
549.5(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 = 18.9 MHz; 18.9 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 %
5531	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5529-5491=38 MHz											
EUT 99% OBW = 37.7 MHz; 37.7 x 100% = 37.7 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 = 77.0 MHz; 77.0 x 100% = 77.0 MHz **Result:** Pass											

EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490	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	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5649(F_H)	1	1	1	0	1	1	1	1	1	1	90 %
5650	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5649-5491=158 MHz											
EUT 99% OBW = 155.4 MHz; 155.4 x 100% = 155.4 MHz **Result:** Pass											

9.2 Radar Detection Performance Check

Procedure:

Stream MPEG file from master to slave
Generate radar waveform
Record whether or not the waveform was detected
At least 30 trials are applied for each radar type
For radar types with randomized parameters, each trial uses a unique waveform
Perform with each of the radar types 1-6

Confirm that the detection rate for each radar type meets the minimum requirement
Type 1A&1B, 2, 3, 4: 60% each
Type 5: 80%
Type 6: 70%
Confirm that the mean of the rates for radar types 1 through 4 meets the requirement of 80%

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

Test Results:

5 GHz Wi-Fi Radio + 5 GHz AUX

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate (Type1 to 4)	120	88.3 %	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	65	1	818	1
2	5500	102	1	518	1
3	5500	92	1	578	1
4	5500	81	1	658	1
5	5490.5	61	1	878	1
6	5490.5	58	1	918	0
7	5490.5	83	1	638	1
8	5490.5	70	1	758	1
9	5490.5	78	1	678	1
10	5490.5	74	1	718	1
11	5509.5	68	1	778	1
12	5509.5	76	1	698	1
13	5509.5	18	1	3066	1
14	5509.5	62	1	858	1
15	5509.5	59	1	898	1
16	5500	90	1	587	1
17	5500	23	1	2386	1
18	5500	43	1	1256	1
19	5500	50	1	1066	1
20	5490.5	23	1	2301	1
21	5490.5	19	1	2830	1
22	5490.5	40	1	1346	1
23	5490.5	32	1	1701	1
24	5490.5	18	1	3033	1
25	5490.5	33	1	1635	1
26	5509.5	25	1	2170	1
27	5509.5	18	1	3026	1
28	5509.5	19	1	2832	0
29	5509.5	23	1	2322	1
30	5509.5	18	1	2991	1
Detection Percentage: 93.3 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	25	2.9	162	1
2	5500	26	4.2	188	1
3	5500	25	4.6	182	1
4	5500	24	4.6	225	1
5	5500	27	4	204	1
6	5500	23	2.5	188	1
7	5500	24	3.9	177	1
8	5500	23	1.2	230	1
9	5500	23	4.1	227	0
10	5500	23	1.9	200	1
11	5490.5	26	4.4	184	1
12	5490.5	25	1	194	1
13	5490.5	28	2.6	168	1
14	5490.5	24	2.6	175	1
15	5490.5	26	3.5	213	1
16	5490.5	23	1.2	199	1
17	5490.5	23	2.9	188	1
18	5490.5	27	1.9	150	0
19	5490.5	23	2.7	202	1
20	5490.5	23	1	160	1
21	5509.5	28	3.6	153	0
22	5509.5	23	1.7	153	1
23	5509.5	23	4.7	219	1
24	5509.5	29	4.3	221	1
25	5509.5	23	4.5	154	1
26	5509.5	29	3.6	227	1
27	5509.5	24	2.3	229	1
28	5509.5	29	4.7	197	0
29	5509.5	28	5	152	1
30	5509.5	23	2.3	208	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	5500	17	9.9	316	1
2	5500	18	8.3	424	1
3	5500	16	7.3	443	1
4	5500	16	7.4	244	1
5	5500	18	9.1	402	1
6	5500	16	8.4	430	1
7	5500	18	9.1	482	1
8	5500	18	7.9	427	1
9	5500	18	9.3	429	1
10	5500	16	8.3	403	1
11	5490.5	18	9.9	241	0
12	5490.5	17	8.9	258	0
13	5490.5	18	7.7	268	1
14	5490.5	18	7.9	500	1
15	5490.5	17	6.9	273	0
16	5490.5	17	7.1	269	1
17	5490.5	18	9.9	352	1
18	5490.5	18	8.2	274	1
19	5490.5	18	8.6	475	1
20	5490.5	17	8.1	324	1
21	5509.5	16	6.9	234	1
22	5509.5	18	6.9	453	1
23	5509.5	18	8.4	441	0
24	5509.5	17	7.7	333	1
25	5509.5	18	8.7	312	0
26	5509.5	18	8.1	424	1
27	5509.5	17	6.2	498	1
28	5509.5	18	7	285	1
29	5509.5	17	9.6	329	0
30	5509.5	18	8.4	380	1
Detection Percentage: 80 % (>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	13	18.8	482	1
2	5500	14	15	434	1
3	5500	12	11.8	224	1
4	5500	14	14	500	1
5	5500	14	17.9	323	1
6	5500	16	16.7	392	1
7	5500	14	16.7	425	1
8	5500	16	19.7	245	1
9	5500	16	15.8	288	1
10	5500	16	11.2	361	1
11	5490.5	12	19.4	376	1
12	5490.5	14	13.5	494	1
13	5490.5	13	19.2	250	1
14	5490.5	15	16.9	397	0
15	5490.5	15	16.9	465	1
16	5490.5	15	13.3	334	1
17	5490.5	13	15.3	226	1
18	5490.5	13	18.8	412	0
19	5490.5	14	15	207	1
20	5490.5	13	14.3	331	1
21	5509.5	15	17	202	1
22	5509.5	15	15.2	214	1
23	5509.5	12	11	457	1
24	5509.5	14	17.2	393	1
25	5509.5	12	13.1	332	1
26	5509.5	13	16.2	391	1
27	5509.5	16	18.2	210	1
28	5509.5	12	11	466	1
29	5509.5	15	18.3	435	1
30	5509.5	13	13.3	334	1
Detection Percentage: 93.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500	1
2	5500	1
3	5500	1
4	5500	1
5	5500	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5496.9	1
12	5497.7	1
13	5498.5	1
14	5494.9	1
15	5493.3	1
16	5496.5	1
17	5492.9	1
18	548.1	1
19	5493.3	1
20	5498.1	1
21	5505.5	1
22	5501.9	1
23	5503.1	1
24	5504.3	1
25	5504.7	1
26	5504.7	1
27	5502.7	1
28	5507.1	1
29	5502.3	1
30	5504.3	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	85.8	1018	1502	0.155354	
1	3	11	62.5	1941	1413	1.544893	
2	2	11	66.5	1614		2.352231	
3	3	11	60.1	1316	1103	3.500314	
4	2	11	54.3	1087		4.342784	
5	3	11	50	1378	1521	5.22446	
6	2	11	80.3	1402		6.173906	1
7	1	11	62.6			7.252365	
8	3	11	98.9	1229	1442	7.432803	
9	1	11	74.8			8.63894	
10	1	11	76.3			9.824529	
11	2	11	89.4	1940		10.603066	
12	2	11	92.5	1760		11.986534	

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	13	57.9	1917		0.470174	
1	1	13	86.1			1.761792	
2	3	13	75	1505	1239	2.01483	
3	2	13	70.5	1325		2.952291	
4	3	13	51.5	1443	1742	4.439468	
5	2	13	63.6	1886		5.203677	
6	2	13	92.8	1089		6.399481	1
7	3	13	95	1849	1703	7.121262	
8	1	13	89.9			7.739411	
9	1	13	79.5			8.668192	
10	2	13	79.2	1418		10.080421	
11	3	13	61.4	1463	1570	10.811783	
12	3	13	52	1954	1627	11.946076	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	91.2	1112		1.068221	1
1	1	10	81.5			2.051397	
2	1	10	51.9			2.428397	
3	1	10	56.7			4.014915	
4	1	10	68.2			5.592705	
5	3	10	82.7	1501	1690	6.182093	
6	2	10	58.1	1577		7.68929	
7	3	10	53.4	1585	1999	9.321527	
8	3	10	88.8	1098	1131	10.428446	
9	1	10	78.9			10.802481	

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	5	98	1603	1350	0.751474	1
1	1	5	91.1			0.894655	
2	1	5	91.5			1.761122	
3	2	5	85.2	1237		2.718087	
4	3	5	86.7	1384	1844	3.689034	
5	2	5	90.6	1730		4.019489	
6	1	5	67.7			5.05403	
7	1	5	60.1			5.705142	
8	2	5	66	1313		7.18238	
9	2	5	90.5	1548		7.920992	
10	3	5	99.3	1850	1747	8.367535	
11	1	5	66.9			9.419964	
12	2	5	63.7	1022		10.127058	
13	2	5	52.8	1553		10.830077	
14	1	5	72.8			11.877407	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	65.5	1322		0.320134	
1	2	8	79.9	1102		1.577011	
2	2	8	54.6	1013		2.374346	
3	1	8	80.2			3.63586	
4	1	8	85.8			3.869645	
5	3	8	83.4	1270	1007	5.167387	
6	1	8	91.7			6.252389	1
7	2	8	90.4	1279		6.75488	
8	1	8	87.8			7.944318	
9	2	8	70.5	1904		9.143859	
10	3	8	88.9	1115	1605	9.632015	
11	2	8	86.2	1642		11.021263	
12	3	8	59.5	1147	1902	11.796387	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	97.5	1019		0.272761	
1	2	12	75.8	1254		2.042515	
2	3	12	83.6	1616	1027	3.824359	
3	2	12	96.8	1284		4.002402	
4	3	12	96.6	1440	1760	6.358781	1
5	2	12	75.4	1207		6.78545	
6	3	12	59.9	1739	1834	8.853897	
7	3	12	98.8	1056	1531	10.48231	
8	2	12	73.9	1400		11.381719	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	70.5			0.586492	
1	3	15	57	1309	1014	0.67194	
2	1	15	66.4			1.369221	
3	2	15	89.8	1431		2.355175	
4	2	15	68.6	1095		2.887507	
5	2	15	96.4	1752		3.274442	
6	2	15	83.2	1058		4.248071	
7	1	15	82.6			5.04873	
8	2	15	51.3	1514		5.633334	
9	2	15	51	1533		5.792477	1
10	3	15	58.6	1957	1345	6.900611	
11	1	15	71.3			7.511397	
12	2	15	81.9	1666		7.627442	
13	3	15	87.6	1624	1845	8.335673	
14	3	15	71.2	1680	1991	9.379607	
15	1	15	55.4			9.874319	
16	2	15	60	1597		10.593663	
17	3	15	98.9	1667	1056	11.084438	
18	1	15	80.9			11.493611	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	98.3	1021		0.123765	
1	2	13	81.9	1664		1.176786	
2	2	13	95	1694		2.87872	
3	2	13	81.5	1851		3.611558	
4	2	13	96.4	1199		4.450567	
5	2	13	99	1122		6.260898	1
6	3	13	96.6	1017	1787	6.649263	
7	2	13	89.2	1439		8.060109	
8	2	13	55.6	1697		9.561277	
9	2	13	60	1288		10.89009	
10	2	13	76.7	1372		11.767894	

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	71.7	1381		0.554061	1
1	3	11	59	1541	1045	1.541923	
2	2	11	51.4	1679		2.054334	
3	2	11	95.4	1075		3.281334	
4	2	11	88.7	1216		4.194742	
5	3	11	88.8	1198	1117	5.142367	
6	2	11	81.2	1527		6.01175	
7	2	11	63.1	1117		7.044611	
8	1	11	83			8.089903	
9	2	11	80.2	1337		9.044134	
10	1	11	75.2			10.195973	
11	3	11	89.4	1390	1372	11.538144	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	62.3	1522	1845	0.565725	1
1	2	13	64.6	1572		0.677664	
2	3	13	73.9	1449	1226	1.818281	
3	1	13	70.5			2.579121	
4	2	13	50.2	1255		2.768773	
5	2	13	64.5	1698		3.884655	
6	3	13	99.8	1022	1039	4.223428	
7	3	13	65.4	1274	1469	5.30271	
8	2	13	57	1968		5.76821	
9	1	13	85.8			6.176441	
10	1	13	76			7.099752	
11	2	13	72.9	1669		7.850761	
12	2	13	55.9	1307		8.111803	
13	3	13	54.8	1813	1309	8.710494	
14	2	13	64.7	1002		9.619995	
15	3	13	54	1644	1746	10.191314	
16	3	13	69.2	1610	1109	11.171392	
17	1	13	91.5			11.788115	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	55.1	1560	1210	0.065747	1
1	2	16	80.2	1638		1.182929	
2	3	16	58.2	1552	1515	2.249751	
3	3	16	57.3	1340	1663	2.772489	
4	2	16	66.4	1333		3.443002	
5	3	16	51.4	1014	1337	4.854435	
6	3	16	70.5	1103	1069	5.786645	
7	2	16	55.4	1172		6.268048	
8	3	16	51.1	1637	1681	7.666736	
9	2	16	64.5	1362		7.725596	
10	1	16	59.9			8.793985	
11	1	16	98.7			10.189457	
12	2	16	78.4	1228		10.363564	
13	3	16	62.1	1697	1250	11.678193	

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	88.9	1520		0.715372	1
1	3	18	73.6	1766	1097	2.117763	
2	1	18	78.3			3.064248	
3	1	18	58			3.62194	
4	1	18	67.9			5.123471	
5	2	18	86.5	1082		6.481113	
6	2	18	61.2	1605		7.400129	
7	3	18	58.8	1769	1836	8.688568	
8	1	18	92			9.076733	
9	1	18	99.3			9.880824	
10	2	18	83.1	1606		11.046527	

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	20	72	1634	1340	0.828549	1
1	3	20	64.3	1414	1806	2.395699	
2	3	20	64	1947	1449	3.744316	
3	2	20	61.6	1000		4.052624	
4	2	20	91.5	1878		6.623266	
5	2	20	66.6	1648		7.293373	
6	2	20	72.4	1323		8.79503	
7	3	20	88	1528	1894	9.807055	
8	2	20	81.7	1941		10.720773	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	95.5	1334		0.670098	1
1	3	11	65.5	1655	1744	1.142645	
2	3	11	78.8	1175	1251	2.425154	
3	2	11	95.2	1922		3.378518	
4	1	11	64.4			4.058798	
5	2	11	82.3	1223		4.475471	
6	3	11	57	1759	1241	5.21525	
7	2	11	56.1	1957		6.485948	
8	1	11	68.9			7.318504	
9	1	11	97.9			7.899236	
10	2	11	99.1	1387		8.81059	
11	2	11	51.2	1082		9.546962	
12	1	11	58.9			10.94462	
13	1	11	50.7			11.233345	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	67.6	1486		0.176774	
1	1	7	97.2			0.865549	
2	2	7	73.3	1138		1.768237	
3	3	7	58.4	1835	1259	2.035093	
4	1	7	81			2.799628	
5	2	7	55.2	1960		3.165051	
6	2	7	79.2	1017		3.945275	
7	2	7	63.9	1343		4.406747	
8	2	7	96.7	1762		5.384894	
9	3	7	61.8	1729	1429	5.953181	
10	2	7	93.6	1569		6.10854	1
11	2	7	57	1777		6.793954	
12	2	7	74.4	1521		7.600981	
13	2	7	60.9	1128		8.251268	
14	2	7	54.5	1398		8.624545	
15	2	7	83.6	1913		9.145702	
16	2	7	59.9	1037		9.971168	
17	1	7	89			10.330693	
18	2	7	65.9	1745		11.249494	
19	1	7	54.3			11.804827	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	64.2	1449	1677	0.779634	
1	2	15	65.3	1652		1.188493	
2	1	15	51.2			2.103454	
3	2	15	53.3	1038		3.563362	
4	2	15	86.3	1402		3.95164	
5	2	15	66.9	1124		4.678864	
6	2	15	75.3	1457		5.821804	1
7	2	15	81.3	1916		6.878221	
8	3	15	52.8	1346	1215	8.153279	
9	2	15	83.7	1928		9.072307	
10	1	15	87.6			9.574452	
11	3	15	82.1	1446	1663	10.98813	
12	2	15	62.1	1398		11.566698	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	73.7	1056		0.354349	
1	1	6	52.5			0.767388	
2	3	6	96.6	1246	1496	1.562467	
3	1	6	68.4			1.964213	
4	1	6	90.6			2.44137	
5	2	6	59.5	1743		3.390469	
6	1	6	89.6			4.022249	
7	2	6	60.1	1245		4.302107	
8	2	6	94.7	1260		5.096254	
9	3	6	61.5	1150	1300	5.489481	1
10	2	6	68.5	1326		6.00557	
11	1	6	53.5			6.742184	
12	2	6	99.7	1471		7.663814	
13	3	6	78.8	1292	1523	7.931143	
14	2	6	93.2	1192		8.603793	
15	2	6	65.4	1430		9.479266	
16	2	6	65.9	1694		9.727422	
17	1	6	78.3			10.742974	
18	1	6	84.9			10.969902	
19	1	6	82			11.60841	

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	19	94.5	1115	1235	0.291379	
1	2	19	96.6	1363		1.087136	
2	1	19	88.6			1.693172	
3	1	19	99.4			2.916812	
4	2	19	75.7	1143		3.222046	
5	2	19	92.9	1147		4.681946	
6	3	19	82.9	1396	1936	5.286804	
7	3	19	68.8	1262	1576	6.095101	1
8	1	19	67.9			6.863969	
9	1	19	85.7			7.442841	
10	2	19	50.8	1452		8.525713	
11	3	19	94.2	1044	1904	9.568683	
12	3	19	72.6	1776	1853	9.78598	
13	2	19	64.8	1351		10.660593	
14	1	19	80.2			11.66657	

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	7	83.9	1284	1984	0.476924	1
1	3	7	90.8	1317	1876	1.613649	
2	1	7	83.2			2.57722	
3	1	7	50.7			4.401247	
4	1	7	65.2			5.550287	
5	2	7	98	1135		6.983519	
6	2	7	52.1	1879		8.046294	
7	2	7	98.3	1052		9.076155	
8	1	7	89.2			10.51686	
9	1	7	86.9			11.439002	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	73			0.737171	1
1	2	19	99.8	1425		1.62315	
2	1	19	63.4			3.2299	
3	3	19	56.4	1462	1250	4.046375	
4	2	19	78.8	1041		4.611828	
5	3	19	62.5	1396	1996	6.199796	
6	2	19	96	1916		7.485921	
7	1	19	56.2			8.622831	
8	3	19	55.3	1641	1346	9.092354	
9	3	19	89.7	1800	1222	10.520455	
10	2	19	71.7	1520		11.358437	

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	10	84.7	1004		0.358512	
1	2	10	57.7	1834		1.556183	
2	2	10	83.9	1748		2.717514	
3	2	10	94.2	1020		3.069576	
4	1	10	57.1			4.235192	
5	1	10	93.8			5.422317	
6	3	10	55.8	1954	1397	6.263493	1
7	2	10	97.3	1709		7.039706	
8	2	10	96.5	1610		7.58839	
9	1	10	98.7			8.918607	
10	2	10	59.5	1425		9.856421	
11	1	10	89.4			10.165054	
12	3	10	51.8	1741	1479	11.738162	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	83.3	1261		0.039595	
1	2	19	79.2	1316		1.363397	
2	2	19	79	1066		2.05216	
3	3	19	84.1	1718	1221	2.96779	
4	1	19	93.7			3.497805	
5	2	19	62.6	1035		4.337619	
6	2	19	58.9	1929		4.850511	
7	2	19	56.2	1614		6.272034	0
8	2	19	70.4	1909		7.194325	
9	2	19	71.5	1059		7.43904	
10	2	19	89	1833		8.690394	
11	3	19	56.9	1210	1155	9.36977	
12	3	19	84.2	1850	1478	10.071247	
13	1	19	60.4			11.102282	
14	1	19	59			11.627101	

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	16	65.1	1992		0.331128	1
1	2	16	66.2	1066		2.124526	
2	1	16	79.4			3.885923	
3	2	16	84.6	1384		5.963121	
4	2	16	76.4	1868		7.143444	
5	2	16	91	1635		8.557883	
6	2	16	62.4	1807		9.305034	
7	3	16	78.7	1184	1553	11.255424	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	95	1040		0.555169	1
1	3	13	78.7	1212	1904	1.367136	
2	2	13	55.8	1767		2.321231	
3	2	13	96.7	1079		3.158376	
4	3	13	53.7	1115	1060	3.77011	
5	2	13	69.2	1236		4.320661	
6	2	13	73.6	1881		5.206931	
7	3	13	96.7	1230	1774	6.192984	
8	1	13	56.5			6.943533	
9	2	13	95.4	1961		8.123983	
10	2	13	70.4	1182		9.228534	
11	1	13	68.4			10.031213	
12	3	13	65.2	1653	1063	10.649629	
13	2	13	73.6	1853		11.700745	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	96.6	1576		1.246141	
1	1	12	72.7			2.215033	
2	1	12	77.4			2.934047	
3	2	12	80.4	1620		4.421583	
4	2	12	63	1999		5.978023	1
5	1	12	91.5			7.669756	
6	2	12	82.6	1814		8.98654	
7	2	12	64.5	1106		9.413045	
8	3	12	86.9	1882	1612	10.951932	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	64.8	1062	1006	0.926394	
1	1	12	73.4			2.50942	
2	2	12	84.3	1503		3.155819	
3	2	12	64.8	1314		5.21358	
4	2	12	90	1743		6.400781	1
5	1	12	100			7.581652	
6	3	12	73.9	1917	1930	8.711155	
7	2	12	90.6	1279		10.213465	
8	2	12	61.1	1948		10.732979	

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	17	76.6			0.251421	1
1	1	17	56.5			1.400632	
2	1	17	68.3			2.477763	
3	2	17	51.3	1259		3.879134	
4	2	17	96.9	1747		4.960507	
5	1	17	79.2			5.801297	
6	3	17	94.8	1223	1150	6.297822	
7	1	17	68.3			7.736201	
8	1	17	85.2			8.821196	
9	2	17	78.6	1080		9.06842	
10	3	17	74.4	1694	1782	10.521143	
11	2	17	99.4	1206		11.94713	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	64.4	1210	1694	0.501461	1
1	2	6	97.2	1257		1.641556	
2	2	6	79.4	1730		2.063348	
3	3	6	89.8	1366	1877	3.060223	
4	1	6	52			4.823938	
5	3	6	93.8	1574	1346	5.158139	
6	2	6	73.9	1616		6.064649	
7	3	6	99.9	1965	1760	7.820896	
8	2	6	81.5	1490		8.427015	
9	2	6	98.3	1362		9.566301	
10	2	6	73.3	1202		10.365212	
11	2	6	85.8	1629		11.658037	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	63.5	1815		0.129659	1
1	2	18	91.8	1586		1.262873	
2	1	18	53.8			2.168342	
3	2	18	90.3	1100		2.987187	
4	2	18	84	1960		3.554431	
5	3	18	54.5	1167	1540	4.545712	
6	1	18	96.3			5.392697	
7	1	18	69.2			6.721209	
8	1	18	61.6			7.336429	
9	2	18	96.8	1457		8.424978	
10	1	18	59.3			9.184837	
11	2	18	64.2	1827		9.487307	
12	3	18	61.6	1825	1539	10.315245	
13	2	18	79.8	1626		11.770204	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	50.7	1039	1302	0.127174	1
1	2	13	57.3	1338		1.44404	
2	2	13	98	1163		2.202736	
3	1	13	58			3.068428	
4	3	13	61	1273	1743	3.5391	
5	1	13	51.4			4.590761	
6	1	13	51.6			4.952664	
7	2	13	77.2	1283		5.816188	
8	1	13	56.1			7.034996	
9	1	13	65			7.4775	
10	2	13	51.3	1699		8.231968	
11	3	13	73.2	1612	1340	9.381199	
12	3	13	87.2	1156	1399	9.694883	
13	3	13	91	1845	1354	10.699634	
14	2	13	71.3	1365		11.658484	

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	5698.0, 5377.0, 5387.0, 5606.0, 5267.0, 5294.0, 5621.0, 5694.0, 5365.0, 5460.0, 5718.0, 5352.0, 5442.0, 5635.0, 5653.0, 5263.0, 5612.0, 5589.0, 5487.0, 5396.0, 5496.0, 5277.0, 5379.0, 5699.0, 5273.0, 5362.0, 5404.0, 5401.0, 5713.0, 5511.0, 5545.0, 5497.0, 5391.0, 5624.0, 5658.0, 5582.0, 5386.0, 5680.0, 5663.0, 5591.0, 5695.0, 5660.0, 5395.0, 5306.0, 5465.0, 5501.0, 5488.0, 5490.0, 5566.0, 5380.0, 5279.0, 5704.0, 5339.0, 5327.0, 5506.0, 5622.0, 5513.0, 5447.0, 5679.0, 5619.0, 5483.0, 5470.0, 5400.0, 5345.0, 5303.0, 5523.0, 5351.0, 5677.0, 5481.0, 5452.0, 5610.0, 5605.0, 5359.0, 5412.0, 5673.0, 5399.0, 5459.0, 5493.0, 5537.0, 5438.0, 5547.0, 5441.0, 5664.0, 5517.0, 5326.0, 5577.0, 5716.0, 5633.0, 5670.0, 5373.0, 5684.0, 5706.0, 5413.0, 5659.0, 5317.0, 5685.0, 5548.0, 5570.0, 5507.0, 5407.0 (number of hits: 7)
2	5500	9	1	333	1	5334.0, 5370.0, 5430.0, 5537.0, 5402.0, 5629.0, 5496.0, 5601.0, 5477.0, 5492.0, 5289.0, 5489.0, 5315.0, 5592.0, 5611.0, 5330.0, 5421.0, 5533.0, 5372.0, 5505.0, 5515.0, 5284.0, 5669.0, 5269.0, 5571.0, 5707.0, 5468.0, 5316.0, 5362.0, 5275.0, 5613.0, 5551.0, 5266.0, 5351.0, 5442.0, 5481.0, 5674.0, 5309.0, 5679.0, 5498.0, 5258.0, 5654.0, 5306.0, 5673.0, 5308.0, 5585.0, 5526.0, 5633.0, 5683.0, 5649.0, 5527.0, 5264.0, 5344.0, 5713.0, 5360.0, 5373.0, 5381.0, 5441.0, 5371.0, 5466.0, 5280.0, 5722.0, 5500.0, 5574.0, 5263.0, 5680.0, 5364.0, 5279.0, 5563.0, 5576.0, 5550.0, 5467.0, 5423.0, 5382.0, 5535.0, 5532.0, 5420.0, 5540.0, 5568.0, 5274.0, 5688.0, 5259.0, 5506.0, 5260.0, 5301.0, 5544.0, 5557.0, 5261.0, 5414.0, 5464.0, 5293.0, 5276.0, 5676.0, 5556.0, 5487.0, 5470.0, 5594.0, 5512.0, 5566.0, 5577.0 (number of hits: 6)
3	5500	9	1	333	1	5503.0, 5516.0, 5610.0, 5643.0, 5429.0, 5337.0, 5709.0, 5525.0, 5304.0, 5681.0, 5484.0, 5454.0, 5666.0, 5295.0, 5371.0, 5647.0, 5426.0, 5580.0, 5566.0, 5669.0, 5638.0, 5598.0, 5267.0, 5601.0, 5609.0, 5506.0, 5332.0, 5324.0, 5528.0, 5656.0, 5344.0, 5629.0, 5635.0, 5627.0, 5574.0, 5259.0, 5382.0, 5293.0, 5437.0, 5474.0, 5513.0, 5619.0, 5428.0, 5301.0, 5265.0, 5358.0, 5563.0, 5505.0, 5449.0, 5639.0, 5263.0, 5694.0, 5372.0, 5653.0, 5604.0, 5370.0, 5450.0, 5676.0, 5347.0, 5636.0, 5674.0, 5320.0, 5701.0, 5591.0, 5637.0, 5471.0, 5523.0, 5361.0, 5602.0, 5389.0,

						5346.0, 5277.0, 5402.0, 5421.0, 5254.0, 5570.0, 5257.0, 5401.0, 5613.0, 5541.0, 5481.0, 5571.0, 5697.0, 5477.0, 5486.0, 5467.0, 5341.0, 5260.0, 5459.0, 5325.0, 5366.0, 5696.0, 5364.0, 5380.0, 5686.0, 5700.0, 5299.0, 5491.0, 5458.0, 5583.0 (number of hits: 4)
4	5500	9	1	333	1	5679.0, 5273.0, 5261.0, 5294.0, 5306.0, 5506.0, 5696.0, 5406.0, 5259.0, 5558.0, 5394.0, 5279.0, 5301.0, 5680.0, 5655.0, 5417.0, 5648.0, 5316.0, 5610.0, 5572.0, 5636.0, 5271.0, 5385.0, 5311.0, 5563.0, 5659.0, 5589.0, 5339.0, 5337.0, 5414.0, 5583.0, 5263.0, 5493.0, 5714.0, 5303.0, 5250.0, 5264.0, 5460.0, 5323.0, 5537.0, 5651.0, 5630.0, 5497.0, 5663.0, 5478.0, 5252.0, 5567.0, 5265.0, 5343.0, 5534.0, 5562.0, 5523.0, 5401.0, 5399.0, 5590.0, 5415.0, 5328.0, 5319.0, 5281.0, 5359.0, 5304.0, 5549.0, 5612.0, 5371.0, 5620.0, 5464.0, 5576.0, 5466.0, 5292.0, 5603.0, 5541.0, 5571.0, 5256.0, 5577.0, 5421.0, 5500.0, 5283.0, 5708.0, 5566.0, 5564.0, 5305.0, 5597.0, 5355.0, 5606.0, 5586.0, 5614.0, 5270.0, 5582.0, 5629.0, 5615.0, 5318.0, 5678.0, 5508.0, 5657.0, 5559.0, 5689.0, 5403.0, 5255.0, 5519.0, 5592.0 (number of hits: 5)
5	5500	9	1	333	1	5701.0, 5290.0, 5689.0, 5353.0, 5379.0, 5305.0, 5573.0, 5376.0, 5398.0, 5708.0, 5637.0, 5453.0, 5296.0, 5258.0, 5631.0, 5666.0, 5691.0, 5541.0, 5351.0, 5252.0, 5664.0, 5597.0, 5621.0, 5706.0, 5282.0, 5602.0, 5452.0, 5464.0, 5564.0, 5329.0, 5571.0, 5365.0, 5443.0, 5474.0, 5467.0, 5470.0, 5613.0, 5580.0, 5660.0, 5471.0, 5574.0, 5543.0, 5358.0, 5713.0, 5355.0, 5572.0, 5649.0, 5325.0, 5302.0, 5455.0, 5380.0, 5607.0, 5479.0, 5450.0, 5616.0, 5496.0, 5492.0, 5563.0, 5284.0, 5594.0, 5524.0, 5510.0, 5269.0, 5550.0, 5562.0, 5545.0, 5648.0, 5430.0, 5604.0, 5609.0, 5711.0, 5307.0, 5463.0, 5548.0, 5719.0, 5311.0, 5283.0, 5462.0, 5433.0, 5620.0, 5600.0, 5598.0, 5624.0, 5393.0, 5261.0, 5288.0, 5605.0, 5556.0, 5460.0, 5659.0, 5587.0, 5678.0, 5428.0, 5254.0, 5622.0, 5721.0, 5370.0, 5409.0, 5676.0, 5297.0 (number of hits: 2)
6	5500	9	1	333	1	5705.0, 5575.0, 5675.0, 5339.0, 5306.0, 5423.0, 5604.0, 5319.0, 5694.0, 5462.0, 5592.0, 5437.0, 5386.0, 5602.0, 5503.0, 5407.0, 5483.0, 5695.0, 5641.0, 5326.0, 5593.0, 5488.0, 5298.0, 5678.0, 5324.0, 5669.0, 5520.0, 5594.0, 5508.0, 5415.0, 5640.0, 5573.0, 5505.0, 5606.0, 5429.0, 5385.0, 5302.0, 5413.0, 5352.0, 5561.0, 5700.0, 5578.0, 5439.0, 5588.0, 5288.0, 5408.0, 5531.0, 5371.0, 5264.0, 5577.0, 5679.0, 5596.0, 5327.0, 5612.0, 5518.0, 5453.0, 5703.0, 5619.0, 5337.0, 5723.0, 5359.0, 5378.0, 5283.0, 5534.0, 5553.0,

						5690.0, 5460.0, 5464.0, 5373.0, 5389.0, 5525.0, 5722.0, 5426.0, 5469.0, 5617.0, 5644.0, 5571.0, 5666.0, 5636.0, 5272.0, 5645.0, 5358.0, 5638.0, 5485.0, 5475.0, 5384.0, 5671.0, 5521.0, 5254.0, 5449.0, 5665.0, 5538.0, 5392.0, 5465.0, 5570.0, 5555.0, 5677.0, 5316.0, 5313.0, 5397.0 (number of hits: 3)
7	5500	9	1	333	1	5345.0, 5376.0, 5265.0, 5263.0, 5416.0, 5474.0, 5484.0, 5541.0, 5372.0, 5390.0, 5619.0, 5268.0, 5271.0, 5666.0, 5687.0, 5685.0, 5313.0, 5499.0, 5299.0, 5457.0, 5288.0, 5292.0, 5544.0, 5617.0, 5575.0, 5698.0, 5326.0, 5720.0, 5538.0, 5565.0, 5583.0, 5607.0, 5408.0, 5498.0, 5251.0, 5564.0, 5278.0, 5589.0, 5690.0, 5452.0, 5401.0, 5318.0, 5436.0, 5255.0, 5569.0, 5446.0, 5672.0, 5495.0, 5453.0, 5356.0, 5378.0, 5261.0, 5623.0, 5630.0, 5626.0, 5582.0, 5670.0, 5448.0, 5577.0, 5511.0, 5614.0, 5362.0, 5678.0, 5426.0, 5558.0, 5587.0, 5434.0, 5490.0, 5438.0, 5556.0, 5704.0, 5472.0, 5410.0, 5523.0, 5477.0, 5650.0, 5663.0, 5719.0, 5539.0, 5331.0, 5714.0, 5294.0, 5311.0, 5346.0, 5487.0, 5421.0, 5428.0, 5595.0, 5508.0, 5334.0, 5717.0, 5485.0, 5567.0, 5624.0, 5621.0, 5254.0, 5447.0, 5655.0, 5553.0, 5718.0 (number of hits: 5)
8	5500	9	1	333	1	5341.0, 5502.0, 5275.0, 5672.0, 5578.0, 5436.0, 5338.0, 5369.0, 5527.0, 5660.0, 5334.0, 5442.0, 5276.0, 5421.0, 5343.0, 5435.0, 5443.0, 5375.0, 5627.0, 5365.0, 5258.0, 5580.0, 5319.0, 5715.0, 5534.0, 5407.0, 5493.0, 5349.0, 5514.0, 5357.0, 5441.0, 5683.0, 5599.0, 5576.0, 5418.0, 5360.0, 5626.0, 5566.0, 5260.0, 5621.0, 5473.0, 5468.0, 5655.0, 5663.0, 5567.0, 5542.0, 5692.0, 5412.0, 5366.0, 5595.0, 5337.0, 5446.0, 5321.0, 5641.0, 5667.0, 5271.0, 5661.0, 5294.0, 5720.0, 5424.0, 5639.0, 5272.0, 5587.0, 5654.0, 5494.0, 5511.0, 5462.0, 5428.0, 5297.0, 5533.0, 5601.0, 5680.0, 5285.0, 5685.0, 5453.0, 5345.0, 5561.0, 5406.0, 5373.0, 5255.0, 5524.0, 5721.0, 5638.0, 5516.0, 5623.0, 5353.0, 5374.0, 5602.0, 5665.0, 5330.0, 5447.0, 5385.0, 5604.0, 5403.0, 5488.0, 5399.0, 5598.0, 5413.0, 5282.0, 5693.0 (number of hits: 3)
9	5500	9	1	333	1	5294.0, 5519.0, 5433.0, 5440.0, 5569.0, 5363.0, 5471.0, 5591.0, 5581.0, 5632.0, 5631.0, 5330.0, 5664.0, 5615.0, 5328.0, 5457.0, 5323.0, 5487.0, 5531.0, 5720.0, 5358.0, 5703.0, 5586.0, 5621.0, 5361.0, 5584.0, 5315.0, 5700.0, 5716.0, 5380.0, 5431.0, 5568.0, 5526.0, 5399.0, 5456.0, 5722.0, 5684.0, 5555.0, 5627.0, 5348.0, 5590.0, 5663.0, 5500.0, 5395.0, 5306.0, 5465.0, 5583.0, 5498.0, 5611.0, 5419.0, 5499.0, 5422.0, 5537.0, 5534.0, 5524.0, 5417.0, 5332.0, 5614.0, 5371.0, 5666.0,

						5287.0, 5432.0, 5715.0, 5506.0, 5704.0, 5655.0, 5452.0, 5281.0, 5414.0, 5539.0, 5454.0, 5674.0, 5517.0, 5497.0, 5719.0, 5647.0, 5629.0, 5682.0, 5404.0, 5616.0, 5656.0, 5685.0, 5307.0, 5693.0, 5430.0, 5297.0, 5687.0, 5711.0, 5387.0, 5359.0, 5505.0, 5492.0, 5613.0, 5692.0, 5548.0, 5599.0, 5580.0, 5424.0, 5574.0, 5577.0 (number of hits: 7)
10	5500	9	1	333	1	5269.0, 5289.0, 5274.0, 5498.0, 5541.0, 5448.0, 5679.0, 5514.0, 5689.0, 5495.0, 5505.0, 5461.0, 5334.0, 5318.0, 5390.0, 5697.0, 5264.0, 5392.0, 5484.0, 5662.0, 5445.0, 5252.0, 5550.0, 5444.0, 5275.0, 5343.0, 5518.0, 5438.0, 5506.0, 5386.0, 5375.0, 5671.0, 5516.0, 5632.0, 5524.0, 5271.0, 5402.0, 5294.0, 5567.0, 5673.0, 5706.0, 5720.0, 5517.0, 5487.0, 5612.0, 5705.0, 5483.0, 5456.0, 5609.0, 5336.0, 5465.0, 5397.0, 5629.0, 5278.0, 5312.0, 5557.0, 5718.0, 5494.0, 5485.0, 5307.0, 5610.0, 5532.0, 5331.0, 5522.0, 5600.0, 5702.0, 5723.0, 5380.0, 5579.0, 5584.0, 5304.0, 5302.0, 5631.0, 5383.0, 5479.0, 5572.0, 5391.0, 5605.0, 5455.0, 5607.0, 5670.0, 5486.0, 5684.0, 5575.0, 5686.0, 5406.0, 5263.0, 5544.0, 5267.0, 5262.0, 5400.0, 5634.0, 5500.0, 5414.0, 5703.0, 5398.0, 5507.0, 5659.0, 5559.0, 5449.0 (number of hits: 7)
11	5500	9	1	333	1	5596.0, 5434.0, 5546.0, 5592.0, 5618.0, 5381.0, 5481.0, 5684.0, 5380.0, 5497.0, 5716.0, 5696.0, 5333.0, 5340.0, 5475.0, 5493.0, 5539.0, 5328.0, 5272.0, 5468.0, 5668.0, 5484.0, 5606.0, 5270.0, 5714.0, 5717.0, 5507.0, 5440.0, 5398.0, 5441.0, 5347.0, 5574.0, 5715.0, 5629.0, 5332.0, 5723.0, 5611.0, 5602.0, 5549.0, 5498.0, 5406.0, 5391.0, 5433.0, 5616.0, 5279.0, 5582.0, 5702.0, 5522.0, 5529.0, 5259.0, 5473.0, 5682.0, 5488.0, 5374.0, 5258.0, 5469.0, 5304.0, 5348.0, 5362.0, 5545.0, 5385.0, 5634.0, 5626.0, 5688.0, 5648.0, 5671.0, 5288.0, 5354.0, 5521.0, 5677.0, 5516.0, 5687.0, 5367.0, 5308.0, 5632.0, 5537.0, 5281.0, 5652.0, 5289.0, 5252.0, 5427.0, 5597.0, 5548.0, 5724.0, 5620.0, 5658.0, 5509.0, 5598.0, 5718.0, 5260.0, 5479.0, 5538.0, 5564.0, 5647.0, 5694.0, 5276.0, 5562.0, 5645.0, 5339.0, 5294.0 (number of hits: 5)
12	5500	9	1	333	1	5365.0, 5529.0, 5292.0, 5705.0, 5684.0, 5617.0, 5700.0, 5718.0, 5379.0, 5286.0, 5704.0, 5312.0, 5627.0, 5383.0, 5494.0, 5547.0, 5427.0, 5551.0, 5530.0, 5557.0, 5690.0, 5328.0, 5294.0, 5546.0, 5578.0, 5525.0, 5396.0, 5274.0, 5512.0, 5341.0, 5313.0, 5629.0, 5646.0, 5650.0, 5608.0, 5250.0, 5674.0, 5375.0, 5572.0, 5686.0, 5561.0, 5515.0, 5404.0, 5317.0, 5276.0, 5393.0, 5262.0, 5708.0, 5300.0, 5390.0, 5649.0, 5691.0, 5340.0, 5319.0, 5532.0,

						5712.0, 5682.0, 5527.0, 5418.0, 5568.0, 5459.0, 5377.0, 5382.0, 5545.0, 5720.0, 5612.0, 5497.0, 5451.0, 5723.0, 5607.0, 5289.0, 5447.0, 5296.0, 5442.0, 5706.0, 5624.0, 5281.0, 5647.0, 5657.0, 5304.0, 5593.0, 5519.0, 5521.0, 5575.0, 5673.0, 5280.0, 5606.0, 5260.0, 5252.0, 5671.0, 5267.0, 5269.0, 5484.0, 5656.0, 5683.0, 5523.0, 5388.0, 5270.0, 5553.0, 5473.0 (number of hits: 2)
13	5500	9	1	333	1	5361.0, 5579.0, 5468.0, 5697.0, 5560.0, 5717.0, 5258.0, 5410.0, 5475.0, 5471.0, 5609.0, 5669.0, 5478.0, 5441.0, 5564.0, 5335.0, 5690.0, 5535.0, 5400.0, 5617.0, 5677.0, 5299.0, 5495.0, 5583.0, 5686.0, 5303.0, 5256.0, 5431.0, 5667.0, 5433.0, 5374.0, 5276.0, 5440.0, 5578.0, 5621.0, 5371.0, 5464.0, 5570.0, 5721.0, 5659.0, 5301.0, 5307.0, 5253.0, 5305.0, 5701.0, 5342.0, 5339.0, 5399.0, 5618.0, 5636.0, 5467.0, 5601.0, 5284.0, 5565.0, 5713.0, 5527.0, 5512.0, 5526.0, 5585.0, 5610.0, 5451.0, 5516.0, 5554.0, 5691.0, 5559.0, 5375.0, 5624.0, 5273.0, 5378.0, 5497.0, 5719.0, 5540.0, 5575.0, 5544.0, 5567.0, 5695.0, 5496.0, 5354.0, 5390.0, 5424.0, 5637.0, 5599.0, 5670.0, 5574.0, 5312.0, 5275.0, 5706.0, 5429.0, 5684.0, 5280.0, 5572.0, 5672.0, 5358.0, 5645.0, 5662.0, 5655.0, 5277.0, 5409.0, 5341.0, 5291.0 (number of hits: 3)
14	5500	9	1	333	1	5332.0, 5589.0, 5714.0, 5540.0, 5426.0, 5451.0, 5350.0, 5308.0, 5328.0, 5550.0, 5392.0, 5603.0, 5423.0, 5343.0, 5319.0, 5675.0, 5497.0, 5508.0, 5535.0, 5653.0, 5284.0, 5268.0, 5716.0, 5381.0, 5252.0, 5449.0, 5372.0, 5551.0, 5624.0, 5338.0, 5441.0, 5669.0, 5413.0, 5280.0, 5492.0, 5627.0, 5663.0, 5622.0, 5538.0, 5563.0, 5718.0, 5471.0, 5462.0, 5275.0, 5701.0, 5448.0, 5679.0, 5360.0, 5429.0, 5529.0, 5633.0, 5255.0, 5341.0, 5303.0, 5582.0, 5639.0, 5384.0, 5436.0, 5705.0, 5289.0, 5475.0, 5719.0, 5470.0, 5294.0, 5316.0, 5645.0, 5456.0, 5385.0, 5259.0, 5598.0, 5476.0, 5496.0, 5271.0, 5686.0, 5460.0, 5295.0, 5301.0, 5430.0, 5591.0, 5547.0, 5272.0, 5479.0, 5638.0, 5573.0, 5554.0, 5630.0, 5331.0, 5474.0, 5647.0, 5264.0, 5342.0, 5558.0, 5631.0, 5486.0, 5660.0, 5473.0, 5514.0, 5595.0, 5464.0, 5387.0 (number of hits: 4)
15	5500	9	1	333	1	5610.0, 5577.0, 5377.0, 5712.0, 5363.0, 5464.0, 5382.0, 5476.0, 5672.0, 5590.0, 5655.0, 5310.0, 5608.0, 5481.0, 5573.0, 5723.0, 5454.0, 5339.0, 5535.0, 5475.0, 5519.0, 5394.0, 5558.0, 5473.0, 5708.0, 5719.0, 5295.0, 5588.0, 5319.0, 5692.0, 5251.0, 5466.0, 5324.0, 5340.0, 5553.0, 5291.0, 5314.0, 5309.0, 5313.0, 5293.0, 5378.0, 5258.0, 5366.0, 5323.0, 5652.0, 5352.0, 5277.0, 5288.0, 5337.0, 5604.0,

						5252.0, 5578.0, 5327.0, 5589.0, 5616.0, 5440.0, 5599.0, 5428.0, 5384.0, 5620.0, 5439.0, 5336.0, 5280.0, 5631.0, 5538.0, 5713.0, 5526.0, 5487.0, 5582.0, 5282.0, 5316.0, 5283.0, 5361.0, 5628.0, 5546.0, 5694.0, 5556.0, 5618.0, 5387.0, 5303.0, 5709.0, 5501.0, 5353.0, 5684.0, 5715.0, 5679.0, 5275.0, 5667.0, 5478.0, 5701.0, 5584.0, 5342.0, 5308.0, 5521.0, 5409.0, 5332.0, 5286.0, 5524.0, 5468.0, 5531.0 (number of hits: 1)
16	5500	9	1	333	1	5293.0, 5306.0, 5553.0, 5486.0, 5284.0, 5434.0, 5662.0, 5266.0, 5368.0, 5346.0, 5473.0, 5361.0, 5411.0, 5663.0, 5724.0, 5653.0, 5645.0, 5470.0, 5595.0, 5694.0, 5426.0, 5524.0, 5648.0, 5334.0, 5635.0, 5403.0, 5429.0, 5547.0, 5332.0, 5607.0, 5715.0, 5268.0, 5536.0, 5575.0, 5624.0, 5540.0, 5590.0, 5718.0, 5672.0, 5564.0, 5705.0, 5463.0, 5628.0, 5695.0, 5699.0, 5541.0, 5666.0, 5589.0, 5519.0, 5579.0, 5689.0, 5707.0, 5431.0, 5422.0, 5335.0, 5711.0, 5386.0, 5562.0, 5442.0, 5317.0, 5515.0, 5476.0, 5321.0, 5619.0, 5365.0, 5665.0, 5282.0, 5658.0, 5716.0, 5574.0, 5298.0, 5382.0, 5425.0, 5467.0, 5457.0, 5637.0, 5572.0, 5492.0, 5644.0, 5721.0, 5692.0, 5289.0, 5322.0, 5512.0, 5525.0, 5641.0, 5281.0, 5489.0, 5349.0, 5471.0, 5638.0, 5296.0, 5576.0, 5652.0, 5501.0, 5354.0, 5681.0, 5458.0, 5358.0, 5521.0 (number of hits: 2)
17	5500	9	1	333	1	5531.0, 5282.0, 5470.0, 5576.0, 5524.0, 5292.0, 5401.0, 5709.0, 5477.0, 5357.0, 5411.0, 5578.0, 5688.0, 5509.0, 5615.0, 5714.0, 5681.0, 5458.0, 5455.0, 5254.0, 5392.0, 5312.0, 5281.0, 5559.0, 5403.0, 5436.0, 5633.0, 5444.0, 5644.0, 5471.0, 5399.0, 5503.0, 5269.0, 5262.0, 5493.0, 5496.0, 5675.0, 5416.0, 5437.0, 5605.0, 5663.0, 5343.0, 5610.0, 5523.0, 5293.0, 5607.0, 5541.0, 5687.0, 5715.0, 5433.0, 5296.0, 5349.0, 5632.0, 5453.0, 5448.0, 5391.0, 5388.0, 5636.0, 5383.0, 5266.0, 5630.0, 5341.0, 5380.0, 5409.0, 5274.0, 5702.0, 5713.0, 5387.0, 5384.0, 5581.0, 5480.0, 5451.0, 5379.0, 5278.0, 5386.0, 5650.0, 5407.0, 5600.0, 5490.0, 5586.0, 5347.0, 5608.0, 5393.0, 5368.0, 5454.0, 5518.0, 5502.0, 5290.0, 5485.0, 5706.0, 5328.0, 5297.0, 5652.0, 5362.0, 5468.0, 5284.0, 5462.0, 5461.0, 5487.0, 5572.0 (number of hits: 6)
18	5500	9	1	333	1	5574.0, 5390.0, 5595.0, 5480.0, 5454.0, 5483.0, 5552.0, 5427.0, 5490.0, 5458.0, 5425.0, 5260.0, 5546.0, 5291.0, 5557.0, 5312.0, 5341.0, 5442.0, 5661.0, 5340.0, 5368.0, 5457.0, 5519.0, 5315.0, 5344.0, 5328.0, 5614.0, 5654.0, 5560.0, 5638.0, 5459.0, 5718.0, 5301.0, 5289.0, 5708.0, 5267.0, 5378.0, 5506.0, 5579.0, 5309.0, 5530.0, 5597.0, 5674.0, 5375.0, 5330.0,

						5623.0, 5397.0, 5473.0, 5419.0, 5345.0, 5586.0, 5529.0, 5500.0, 5496.0, 5498.0, 5259.0, 5606.0, 5524.0, 5465.0, 5348.0, 5516.0, 5521.0, 5671.0, 5468.0, 5655.0, 5439.0, 5320.0, 5605.0, 5544.0, 5446.0, 5255.0, 5585.0, 5488.0, 5474.0, 5381.0, 5447.0, 5466.0, 5684.0, 5569.0, 5562.0, 5566.0, 5510.0, 5537.0, 5581.0, 5580.0, 5649.0, 5251.0, 5362.0, 5327.0, 5383.0, 5305.0, 5670.0, 5360.0, 5445.0, 5411.0, 5596.0, 5660.0, 5313.0, 5349.0, 5549.0 (number of hits: 5)
19	5500	9	1	333	1	5489.0, 5278.0, 5600.0, 5675.0, 5254.0, 5590.0, 5611.0, 5374.0, 5610.0, 5615.0, 5560.0, 5652.0, 5426.0, 5665.0, 5385.0, 5299.0, 5363.0, 5708.0, 5721.0, 5424.0, 5493.0, 5685.0, 5252.0, 5398.0, 5302.0, 5591.0, 5581.0, 5262.0, 5435.0, 5552.0, 5459.0, 5526.0, 5474.0, 5624.0, 5367.0, 5632.0, 5483.0, 5259.0, 5620.0, 5335.0, 5626.0, 5507.0, 5383.0, 5322.0, 5658.0, 5415.0, 5260.0, 5400.0, 5382.0, 5443.0, 5602.0, 5578.0, 5462.0, 5491.0, 5388.0, 5706.0, 5719.0, 5257.0, 5670.0, 5395.0, 5606.0, 5397.0, 5603.0, 5596.0, 5697.0, 5255.0, 5449.0, 5417.0, 5277.0, 5692.0, 5401.0, 5570.0, 5340.0, 5678.0, 5519.0, 5495.0, 5357.0, 5303.0, 5280.0, 5368.0, 5411.0, 5455.0, 5288.0, 5700.0, 5456.0, 5313.0, 5306.0, 5463.0, 5362.0, 5561.0, 5312.0, 5394.0, 5696.0, 5268.0, 5628.0, 5272.0, 5494.0, 5650.0, 5503.0, 5253.0 (number of hits: 6)
20	5500	9	1	333	1	5368.0, 5438.0, 5455.0, 5374.0, 5566.0, 5311.0, 5257.0, 5334.0, 5682.0, 5471.0, 5267.0, 5288.0, 5718.0, 5535.0, 5652.0, 5397.0, 5298.0, 5419.0, 5538.0, 5716.0, 5302.0, 5721.0, 5481.0, 5592.0, 5474.0, 5434.0, 5467.0, 5609.0, 5569.0, 5380.0, 5446.0, 5560.0, 5608.0, 5692.0, 5469.0, 5667.0, 5317.0, 5294.0, 5542.0, 5579.0, 5366.0, 5655.0, 5618.0, 5648.0, 5571.0, 5678.0, 5459.0, 5263.0, 5318.0, 5580.0, 5512.0, 5396.0, 5673.0, 5252.0, 5493.0, 5301.0, 5417.0, 5544.0, 5285.0, 5383.0, 5518.0, 5436.0, 5699.0, 5603.0, 5254.0, 5670.0, 5265.0, 5517.0, 5649.0, 5660.0, 5588.0, 5291.0, 5340.0, 5528.0, 5698.0, 5693.0, 5584.0, 5492.0, 5352.0, 5390.0, 5371.0, 5689.0, 5360.0, 5529.0, 5375.0, 5299.0, 5621.0, 5310.0, 5630.0, 5511.0, 5372.0, 5567.0, 5344.0, 5635.0, 5658.0, 5316.0, 5599.0, 5357.0, 5305.0, 5628.0 (number of hits: 2)
21	5500	9	1	333	1	5561.0, 5675.0, 5473.0, 5542.0, 5271.0, 5421.0, 5540.0, 5722.0, 5274.0, 5660.0, 5479.0, 5715.0, 5530.0, 5335.0, 5291.0, 5632.0, 5697.0, 5253.0, 5721.0, 5512.0, 5555.0, 5665.0, 5418.0, 5481.0, 5373.0, 5449.0, 5689.0, 5566.0, 5720.0, 5426.0, 5323.0, 5296.0, 5501.0, 5269.0, 5448.0, 5270.0, 5451.0, 5674.0, 5443.0, 5489.0,

						5585.0, 5456.0, 5519.0, 5345.0, 5298.0, 5362.0, 5569.0, 5663.0, 5326.0, 5616.0, 5372.0, 5395.0, 5279.0, 5683.0, 5377.0, 5636.0, 5680.0, 5390.0, 5655.0, 5525.0, 5439.0, 5284.0, 5264.0, 5634.0, 5304.0, 5490.0, 5662.0, 5613.0, 5563.0, 5661.0, 5609.0, 5292.0, 5557.0, 5679.0, 5281.0, 5358.0, 5322.0, 5709.0, 5331.0, 5703.0, 5277.0, 5308.0, 5317.0, 5399.0, 5360.0, 5407.0, 5532.0, 5258.0, 5455.0, 5505.0, 5619.0, 5330.0, 5521.0, 5606.0, 5355.0, 5371.0, 5385.0, 5484.0, 5647.0, 5565.0 (number of hits: 3)
22	5500	9	1	333	1	5463.0, 5576.0, 5414.0, 5351.0, 5700.0, 5708.0, 5497.0, 5522.0, 5296.0, 5375.0, 5443.0, 5366.0, 5569.0, 5410.0, 5286.0, 5654.0, 5680.0, 5311.0, 5608.0, 5396.0, 5557.0, 5387.0, 5447.0, 5398.0, 5349.0, 5319.0, 5707.0, 5252.0, 5346.0, 5476.0, 5266.0, 5510.0, 5599.0, 5295.0, 5571.0, 5297.0, 5568.0, 5538.0, 5526.0, 5313.0, 5260.0, 5488.0, 5706.0, 5333.0, 5690.0, 5638.0, 5688.0, 5354.0, 5618.0, 5567.0, 5710.0, 5520.0, 5573.0, 5283.0, 5424.0, 5467.0, 5292.0, 5377.0, 5392.0, 5537.0, 5635.0, 5505.0, 5271.0, 5698.0, 5659.0, 5588.0, 5324.0, 5566.0, 5466.0, 5504.0, 5639.0, 5334.0, 5723.0, 5408.0, 5584.0, 5291.0, 5650.0, 5477.0, 5721.0, 5630.0, 5575.0, 5380.0, 5501.0, 5701.0, 5300.0, 5546.0, 5368.0, 5430.0, 5652.0, 5663.0, 5372.0, 5496.0, 5255.0, 5606.0, 5357.0, 5664.0, 5532.0, 5544.0, 5329.0, 5699.0 (number of hits: 5)
23	5500	9	1	333	1	5290.0, 5486.0, 5380.0, 5565.0, 5688.0, 5344.0, 5641.0, 5286.0, 5318.0, 5349.0, 5432.0, 5453.0, 5285.0, 5308.0, 5709.0, 5717.0, 5469.0, 5582.0, 5585.0, 5625.0, 5350.0, 5491.0, 5434.0, 5515.0, 5468.0, 5375.0, 5520.0, 5309.0, 5347.0, 5558.0, 5332.0, 5267.0, 5548.0, 5476.0, 5323.0, 5386.0, 5313.0, 5507.0, 5561.0, 5330.0, 5713.0, 5500.0, 5519.0, 5536.0, 5599.0, 5265.0, 5328.0, 5659.0, 5716.0, 5298.0, 5637.0, 5370.0, 5668.0, 5614.0, 5590.0, 5629.0, 5533.0, 5465.0, 5692.0, 5384.0, 5281.0, 5589.0, 5363.0, 5324.0, 5368.0, 5687.0, 5623.0, 5394.0, 5390.0, 5471.0, 5444.0, 5511.0, 5720.0, 5282.0, 5675.0, 5539.0, 5635.0, 5681.0, 5553.0, 5481.0, 5616.0, 5399.0, 5456.0, 5438.0, 5714.0, 5608.0, 5414.0, 5667.0, 5361.0, 5272.0, 5543.0, 5504.0, 5546.0, 5591.0, 5609.0, 5450.0, 5299.0, 5560.0, 5664.0, 5355.0 (number of hits: 4)
24	5500	9	1	333	1	5258.0, 5689.0, 5526.0, 5603.0, 5544.0, 5311.0, 5294.0, 5338.0, 5548.0, 5439.0, 5701.0, 5375.0, 5546.0, 5706.0, 5409.0, 5654.0, 5366.0, 5437.0, 5333.0, 5349.0, 5313.0, 5555.0, 5620.0, 5642.0, 5388.0, 5451.0, 5573.0, 5326.0, 5377.0, 5570.0, 5664.0, 5655.0, 5323.0, 5391.0, 5370.0,

						5382.0, 5416.0, 5262.0, 5431.0, 5718.0, 5486.0, 5670.0, 5253.0, 5617.0, 5335.0, 5556.0, 5505.0, 5462.0, 5698.0, 5316.0, 5644.0, 5300.0, 5414.0, 5301.0, 5347.0, 5482.0, 5467.0, 5434.0, 5484.0, 5588.0, 5371.0, 5404.0, 5601.0, 5590.0, 5283.0, 5343.0, 5629.0, 5308.0, 5522.0, 5584.0, 5594.0, 5344.0, 5277.0, 5287.0, 5506.0, 5610.0, 5447.0, 5561.0, 5255.0, 5309.0, 5457.0, 5703.0, 5553.0, 5688.0, 5672.0, 5530.0, 5305.0, 5528.0, 5440.0, 5279.0, 5324.0, 5558.0, 5276.0, 5545.0, 5299.0, 5679.0, 5380.0, 5574.0, 5567.0, 5412.0 (number of hits: 2)
25	5500	9	1	333	1	5532.0, 5529.0, 5639.0, 5646.0, 5381.0, 5569.0, 5408.0, 5536.0, 5446.0, 5316.0, 5376.0, 5484.0, 5651.0, 5526.0, 5696.0, 5338.0, 5555.0, 5295.0, 5434.0, 5618.0, 5599.0, 5615.0, 5469.0, 5289.0, 5256.0, 5362.0, 5314.0, 5488.0, 5643.0, 5391.0, 5629.0, 5259.0, 5538.0, 5589.0, 5637.0, 5502.0, 5440.0, 5645.0, 5614.0, 5422.0, 5451.0, 5548.0, 5397.0, 5693.0, 5505.0, 5496.0, 5583.0, 5298.0, 5378.0, 5561.0, 5290.0, 5647.0, 5344.0, 5449.0, 5719.0, 5270.0, 5606.0, 5580.0, 5467.0, 5587.0, 5384.0, 5677.0, 5392.0, 5311.0, 5346.0, 5457.0, 5280.0, 5517.0, 5433.0, 5271.0, 5410.0, 5700.0, 5721.0, 5441.0, 5269.0, 5559.0, 5724.0, 5272.0, 5291.0, 5500.0, 5691.0, 5577.0, 5402.0, 5360.0, 5578.0, 5530.0, 5655.0, 5371.0, 5510.0, 5537.0, 5364.0, 5478.0, 5400.0, 5464.0, 5680.0, 5475.0, 5319.0, 5258.0, 5687.0, 5638.0 (number of hits: 4)
26	5500	9	1	333	1	5428.0, 5290.0, 5636.0, 5649.0, 5376.0, 5401.0, 5716.0, 5569.0, 5515.0, 5422.0, 5394.0, 5696.0, 5381.0, 5647.0, 5285.0, 5508.0, 5532.0, 5611.0, 5368.0, 5619.0, 5424.0, 5699.0, 5259.0, 5279.0, 5408.0, 5319.0, 5512.0, 5596.0, 5302.0, 5251.0, 5343.0, 5607.0, 5372.0, 5437.0, 5536.0, 5668.0, 5501.0, 5436.0, 5277.0, 5581.0, 5605.0, 5323.0, 5335.0, 5454.0, 5415.0, 5269.0, 5304.0, 5589.0, 5430.0, 5464.0, 5399.0, 5374.0, 5630.0, 5654.0, 5551.0, 5347.0, 5293.0, 5348.0, 5637.0, 5621.0, 5640.0, 5395.0, 5564.0, 5554.0, 5667.0, 5427.0, 5687.0, 5315.0, 5361.0, 5672.0, 5507.0, 5523.0, 5477.0, 5287.0, 5610.0, 5635.0, 5462.0, 5253.0, 5449.0, 5258.0, 5538.0, 5324.0, 5714.0, 5540.0, 5567.0, 5325.0, 5570.0, 5676.0, 5613.0, 5403.0, 5387.0, 5510.0, 5566.0, 5595.0, 5490.0, 5713.0, 5473.0, 5709.0, 5586.0, 5265.0 (number of hits: 4)
27	5500	9	1	333	1	5688.0, 5595.0, 5651.0, 5610.0, 5450.0, 5328.0, 5633.0, 5412.0, 5657.0, 5295.0, 5399.0, 5267.0, 5289.0, 5348.0, 5263.0, 5257.0, 5569.0, 5268.0, 5718.0, 5697.0, 5544.0, 5435.0, 5553.0, 5451.0, 5391.0, 5468.0, 5309.0, 5327.0, 5685.0, 5514.0,

						5442.0, 5280.0, 5458.0, 5314.0, 5694.0, 5432.0, 5304.0, 5260.0, 5256.0, 5283.0, 5274.0, 5709.0, 5403.0, 5344.0, 5714.0, 5287.0, 5305.0, 5587.0, 5710.0, 5664.0, 5456.0, 5404.0, 5568.0, 5355.0, 5580.0, 5621.0, 5571.0, 5485.0, 5642.0, 5372.0, 5479.0, 5496.0, 5480.0, 5626.0, 5702.0, 5353.0, 5337.0, 5573.0, 5677.0, 5300.0, 5512.0, 5533.0, 5543.0, 5529.0, 5356.0, 5686.0, 5625.0, 5552.0, 5322.0, 5606.0, 5549.0, 5555.0, 5467.0, 5340.0, 5565.0, 5284.0, 5266.0, 5608.0, 5302.0, 5349.0, 5380.0, 5396.0, 5392.0, 5410.0, 5531.0, 5285.0, 5576.0, 5346.0, 5548.0, 5662.0 (number of hits: 1)
28	5500	9	1	333	1	5266.0, 5697.0, 5455.0, 5372.0, 5552.0, 5265.0, 5254.0, 5588.0, 5401.0, 5596.0, 5605.0, 5253.0, 5262.0, 5383.0, 5480.0, 5324.0, 5322.0, 5653.0, 5589.0, 5570.0, 5642.0, 5667.0, 5406.0, 5616.0, 5291.0, 5422.0, 5340.0, 5703.0, 5288.0, 5722.0, 5385.0, 5495.0, 5704.0, 5294.0, 5424.0, 5625.0, 5693.0, 5629.0, 5648.0, 5520.0, 5515.0, 5476.0, 5286.0, 5503.0, 5295.0, 5471.0, 5583.0, 5512.0, 5540.0, 5346.0, 5283.0, 5666.0, 5561.0, 5338.0, 5673.0, 5658.0, 5447.0, 5614.0, 5357.0, 5607.0, 5376.0, 5374.0, 5393.0, 5698.0, 5432.0, 5390.0, 5284.0, 5433.0, 5554.0, 5560.0, 5272.0, 5509.0, 5303.0, 5598.0, 5405.0, 5724.0, 5321.0, 5511.0, 5541.0, 5628.0, 5716.0, 5656.0, 5557.0, 5274.0, 5623.0, 5500.0, 5636.0, 5700.0, 5717.0, 5721.0, 5563.0, 5359.0, 5709.0, 5260.0, 5388.0, 5534.0, 5391.0, 5606.0, 5685.0, 5637.0 (number of hits: 4)
29	5500	9	1	333	1	5289.0, 5529.0, 5439.0, 5307.0, 5638.0, 5589.0, 5596.0, 5326.0, 5372.0, 5338.0, 5303.0, 5672.0, 5275.0, 5645.0, 5267.0, 5382.0, 5250.0, 5272.0, 5636.0, 5398.0, 5595.0, 5570.0, 5483.0, 5496.0, 5384.0, 5675.0, 5424.0, 5270.0, 5343.0, 5422.0, 5635.0, 5721.0, 5642.0, 5686.0, 5461.0, 5258.0, 5392.0, 5593.0, 5668.0, 5678.0, 5349.0, 5573.0, 5440.0, 5601.0, 5693.0, 5700.0, 5572.0, 5434.0, 5506.0, 5656.0, 5723.0, 5415.0, 5556.0, 5324.0, 5685.0, 5527.0, 5599.0, 5397.0, 5633.0, 5689.0, 5639.0, 5377.0, 5438.0, 5294.0, 5698.0, 5319.0, 5619.0, 5478.0, 5632.0, 5631.0, 5702.0, 5298.0, 5283.0, 5361.0, 5622.0, 5587.0, 5627.0, 5400.0, 5707.0, 5259.0, 5696.0, 5594.0, 5345.0, 5451.0, 5502.0, 5568.0, 5691.0, 5507.0, 5498.0, 5390.0, 5612.0, 5543.0, 5403.0, 5380.0, 5443.0, 5699.0, 5537.0, 5673.0, 5317.0, 5680.0 (number of hits: 5)
30	5500	9	1	333	1	5710.0, 5425.0, 5415.0, 5280.0, 5562.0, 5262.0, 5301.0, 5256.0, 5392.0, 5647.0, 5581.0, 5521.0, 5617.0, 5520.0, 5308.0, 5272.0, 5481.0, 5585.0, 5405.0, 5698.0, 5379.0, 5545.0, 5387.0, 5473.0, 5346.0,

						5345.0, 5516.0, 5453.0, 5529.0, 5706.0, 5351.0, 5336.0, 5468.0, 5414.0, 5655.0, 5614.0, 5302.0, 5462.0, 5463.0, 5696.0, 5659.0, 5374.0, 5480.0, 5454.0, 5465.0, 5570.0, 5358.0, 5329.0, 5611.0, 5539.0, 5390.0, 5470.0, 5652.0, 5330.0, 5343.0, 5266.0, 5429.0, 5407.0, 5261.0, 5551.0, 5466.0, 5355.0, 5553.0, 5339.0, 5258.0, 5528.0, 5420.0, 5669.0, 5284.0, 5295.0, 5549.0, 5510.0, 5318.0, 5615.0, 5522.0, 5660.0, 5342.0, 5291.0, 5317.0, 5378.0, 5628.0, 5427.0, 5340.0, 5504.0, 5548.0, 5607.0, 5447.0, 5483.0, 5666.0, 5293.0, 5506.0, 5419.0, 5672.0, 5689.0, 5416.0, 5645.0, 5634.0, 5525.0, 5489.0, 5366.0 (number of hits: 2)

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	90.8 %	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	59	1	898	1
2	5510	81	1	658	1
3	5510	61	1	878	1
4	5510	89	1	598	1
5	5510	86	1	618	1
6	5491	68	1	778	1
7	5491	67	1	798	1
8	5491	99	1	538	1
9	5491	92	1	578	1
10	5491	83	1	638	1
11	5529	78	1	678	1
12	5529	18	1	3066	1
13	5529	102	1	518	1
14	5529	76	1	698	1
15	5529	70	1	758	1
16	5510	27	1	1995	1
17	5510	55	1	977	1
18	5510	23	1	2296	1
19	5510	101	1	524	1
20	5510	43	1	1244	1
21	5491	20	1	2718	0
22	5491	32	1	1681	1
23	5491	31	1	1754	1
24	5491	43	1	1250	1
25	5491	30	1	1772	1
26	5529	36	1	1501	1
27	5529	32	1	1670	1
28	5529	52	1	1024	1
29	5529	18	1	3039	1
30	5529	28	1	1922	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	4.8	162	1
2	5510	24	5	226	1
3	5510	25	3.3	226	1
4	5510	29	3.6	193	1
5	5510	29	4.7	178	1
6	5510	27	1.7	155	1
7	5510	29	1.4	225	1
8	5510	29	2	186	1
9	5510	23	2.5	181	1
10	5510	23	2.6	164	1
11	5491	29	2.3	190	1
12	5491	26	2.8	172	0
13	5491	25	2.7	154	0
14	5491	23	4.6	207	1
15	5491	29	3.9	225	1
16	5491	25	3.1	224	1
17	5491	24	4.8	208	0
18	5491	24	3.6	188	1
19	5491	23	4.4	176	0
20	5491	28	2.6	204	1
21	5529	27	4.7	154	1
22	5529	29	4.7	204	1
23	5529	27	1.9	165	1
24	5529	26	3.6	201	1
25	5529	29	3.7	155	1
26	5529	29	2.6	215	0
27	5529	25	1.8	167	1
28	5529	23	1.9	189	1
29	5529	25	1.6	227	1
30	5529	23	1	226	1
Detection Percentage: 83.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	17	6.8	246	1
2	5510	17	7	304	1
3	5510	17	10	337	1
4	5510	17	8.5	282	1
5	5510	16	8.8	232	1
6	5510	17	9.9	276	1
7	5510	16	6	402	1
8	5510	18	9	314	1
9	5510	17	6.7	278	1
10	5510	16	9.6	255	1
11	5491	18	7.7	369	1
12	5491	17	6.9	334	0
13	5491	16	7.9	425	1
14	5491	18	6.3	229	1
15	5491	17	6.5	375	0
16	5491	18	6.6	422	1
17	5491	17	9.6	248	1
18	5491	16	7.2	244	1
19	5491	18	7.5	319	1
20	5491	18	8.9	449	1
21	5529	17	9.3	313	1
22	5529	18	6.7	387	1
23	5529	17	9.2	410	1
24	5529	17	8.6	284	1
25	5529	17	7.8	296	1
26	5529	17	9	235	1
27	5529	16	9.1	462	1
28	5529	16	9	411	1
29	5529	18	7.3	336	1
30	5529	17	9.7	236	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	15	17.4	500	1
2	5510	15	11.3	462	1
3	5510	14	13.2	233	1
4	5510	14	15.5	239	1
5	5510	13	12.6	225	1
6	5510	13	14.7	262	1
7	5510	13	18.2	302	0
8	5510	16	11.9	408	1
9	5510	14	13.2	332	1
10	5510	13	14	384	1
11	5491	12	11.1	208	1
12	5491	14	19.4	433	1
13	5491	13	17.6	254	1
14	5491	15	11.5	401	0
15	5491	15	11.1	392	1
16	5491	15	15.4	465	1
17	5491	13	20	379	1
18	5491	16	13.5	224	1
19	5491	13	14.9	470	1
20	5491	12	16.2	237	1
21	5529	13	19.5	350	1
22	5529	14	19	378	1
23	5529	16	11.5	428	1
24	5529	13	17.1	352	0
25	5529	14	12.3	488	1
26	5529	16	17.7	472	1
27	5529	12	14.2	397	1
28	5529	12	17	273	1
29	5529	16	11.7	323	1
30	5529	16	17.4	494	1
Detection Percentage: 90 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5498.6	1
12	5497.8	1
13	5495.8	1
14	5498.2	1
15	5493.4	1
16	5496.2	1
17	5497.0	1
18	5496.6	1
19	5497.0	1
20	5494.6	1
21	5523.8	1
22	5525.4	1
23	5521.4	1
24	5524.2	1
25	5524.2	1
26	5521.8	1
27	5523.0	1
28	5523.4	1
29	5523.4	1
30	5526.2	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	71.7	1085		0.548773	
1	3	6	96.6	1952	1203	1.107324	
2	3	6	53.6	1540	1216	1.422318	
3	2	6	54.2	1936		2.812838	
4	1	6	97.2			2.906608	
5	2	6	88.2	1642		3.733102	
6	2	6	70.4	1008		4.575362	
7	3	6	63.6	1073	1899	5.060199	
8	2	6	69.7	1751		5.939197	1
9	3	6	68.8	1760	1681	6.756371	
10	2	6	86.1	1027		7.557991	
11	1	6	52			8.080612	
12	1	6	96.3			8.526329	
13	1	6	82.4			9.65136	
14	2	6	58.7	1248		10.207754	
15	2	6	63	1066		11.140957	
16	3	6	64.8	1336	1600	11.747462	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	71.7	1150		0.890031	
1	2	8	52.3	1244		1.47079	
2	1	8	54			2.810514	
3	2	8	63.7	1211		4.599872	
4	2	8	64.7	1513		5.924721	1
5	3	8	65.9	1724	1744	7.911445	
6	2	8	94.4	1813		9.188154	
7	1	8	91.1			10.031072	
8	3	8	85.3	1595	1629	11.751693	

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	97.6	1316	1549	0.652183	1
1	2	13	64.8	1996		1.294201	
2	1	13	83.1			1.554299	
3	2	13	74.8	1423		2.679269	
4	3	13	90.5	1325	1876	3.248534	
5	2	13	60.6	1804		3.913322	
6	1	13	59.9			4.722197	
7	2	13	67.8	1268		5.571116	
8	1	13	68.4			6.239999	
9	3	13	68.2	1418	1569	6.364228	
10	2	13	74.7	1675		7.158617	
11	2	13	71.1	1803		8.43666	
12	3	13	58.4	1633	1311	8.973898	
13	1	13	94.3			9.666295	
14	1	13	75.3			10.071792	
15	2	13	66.3	1822		10.86032	
16	2	13	88	1902		11.728532	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	54.6	1196		0.039101	1
1	2	16	84.5	1659		2.287097	
2	3	16	52.1	1983	1665	2.977619	
3	2	16	80.2	1584		5.009512	
4	2	16	77.7	1858		5.847794	
5	2	16	58.4	1555		6.668436	
6	2	16	53.6	1709		8.766437	
7	1	16	93			9.987559	
8	2	16	69.5	1811		10.883005	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	72.4	1877		0.72152	1
1	3	12	55.7	1690	1054	2.272171	
2	3	12	53.8	1298	1376	3.513198	
3	2	12	85	1671		4.698263	
4	2	12	91.1	1606		6.675341	
5	1	12	50.1			8.772479	
6	1	12	51.8			9.524318	
7	2	12	92.7	1400		11.649807	

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	6	64.6	1494	1001	0.488791	1
1	2	6	76.2	1469		1.700085	
2	1	6	89.5			2.448593	
3	2	6	50.2	1019		3.236767	
4	3	6	82.3	1795	1491	4.72112	
5	1	6	56.9			5.105081	
6	1	6	71.7			6.501551	
7	3	6	72	1966	1975	7.680558	
8	2	6	62.9	1050		8.491797	
9	3	6	88.6	1262	1994	9.073719	
10	1	6	87.8			10.112691	
11	3	6	82.3	1006	1317	11.679562	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	76.4	1354	1134	0.638571	
1	2	5	71.2	1611		1.940531	
2	2	5	51.1	1893		2.735857	
3	3	5	67.7	1633	1269	4.452996	
4	1	5	79.7			6.459349	1
5	1	5	74.1			7.839458	
6	1	5	76.6			8.08645	
7	3	5	55.4	1631	1890	10.550716	
8	2	5	70.4	1626		11.163419	

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	9	62.2			0.050265	
1	1	9	66.7			1.36279	
2	2	9	63.9	1505		2.081636	
3	3	9	95.1	1805	1012	2.410745	
4	2	9	84.2	1098		3.28741	
5	3	9	89.1	1543	1456	4.10801	
6	3	9	92.7	1896	1690	4.285446	
7	3	9	53	1929	1437	5.487103	
8	3	9	66.8	1315	1257	5.906742	1
9	2	9	85	1303		6.864065	
10	3	9	74.8	1606	1321	7.627985	
11	1	9	94.9			7.870668	
12	2	9	84.6	1572		8.496638	
13	2	9	82.9	1265		9.759945	
14	2	9	56.7	1053		10.418813	
15	1	9	60.7			10.760804	
16	2	9	66.8	1033		11.390654	

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	8	64.5	1796	1840	0.433457	1
1	3	8	94.4	1802	1712	1.362618	
2	1	8	98.1			2.379431	
3	3	8	94.4	1620	1877	2.862636	
4	3	8	85.7	1112	1938	3.397609	
5	3	8	81.3	1287	1424	4.777113	
6	2	8	75.3	1130		5.375973	
7	3	8	87.8	1245	1480	6.21956	
8	1	8	80.4			6.646361	
9	1	8	81			7.29945	
10	2	8	81	1389		8.355353	
11	3	8	69.6	1731	1015	9.425357	
12	3	8	76.8	1287	1839	9.757732	
13	2	8	95.8	1706		11.077731	
14	2	8	50	1837		11.416873	

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	56.6	1492		0.440132	1
1	2	13	86	1342		1.754911	
2	3	13	73.9	1033	1598	2.025009	
3	2	13	68.5	1569		3.008057	
4	2	13	92.5	1379		3.745656	
5	2	13	85.9	1397		4.858099	
6	3	13	80.4	1540	1226	5.949566	
7	3	13	91.4	1153	1429	6.568312	
8	2	13	61.3	1323		7.666368	
9	2	13	52.2	1055		8.529278	
10	3	13	76.5	1447	1190	9.775343	
11	3	13	87.6	1308	1899	10.940591	
12	3	13	56.6	1816	1253	11.388553	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	50.6	1920	1208	0.367301	1
1	3	19	61.6	1739	1437	1.205681	
2	3	19	53.3	1409	1444	2.791254	
3	2	19	59.4	1463		4.024267	
4	2	19	92.7	1475		5.220113	
5	2	19	54.2	1518		6.119308	
6	3	19	71.9	1198	1814	7.701032	
7	2	19	89.9	1013		9.1542	
8	1	19	66.9			10.037952	
9	3	19	89	1431	1139	11.659765	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	65.8	1728	1032	0.46222	1
1	2	17	91.5	1952		1.154805	
2	2	17	76.4	1004		1.297225	
3	3	17	57.1	1337	1343	2.100666	
4	2	17	63.5	1200		2.76817	
5	1	17	65			3.591445	
6	1	17	93.4			4.006935	
7	2	17	88.6	1005		4.547691	
8	1	17	80.9			4.890679	
9	3	17	68.3	1490	1536	5.76111	
10	2	17	96.1	1202		6.341381	
11	2	17	51.5	1014		7.175879	
12	2	17	80.4	1149		7.227016	
13	3	17	58.3	1023	1834	8.102284	
14	3	17	61.6	1980	1701	8.57321	
15	1	17	99.3			9.102899	
16	3	17	73.6	1553	1830	10.087584	
17	3	17	62.9	1447	1061	10.313836	
18	1	17	80.8			10.902005	
19	1	17	72.1			11.407105	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	62.3	1356		0.649768	1
1	3	12	71	1778	1478	1.111771	
2	2	12	93.2	1054		1.929272	
3	1	12	61.1			2.6419	
4	1	12	82.7			3.518469	
5	2	12	68.8	1542		4.274778	
6	1	12	96.2			4.881366	
7	2	12	87.7	1601		5.976715	
8	2	12	72.5	1975		6.516384	
9	3	12	92.2	1492	1389	7.228889	
10	1	12	72.6			7.643249	
11	2	12	53.4	1093		8.74437	
12	3	12	77.5	1045	1644	9.679973	
13	1	12	82.3			10.22536	
14	2	12	75	1955		10.708845	
15	3	12	50.7	1437	1490	11.299316	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	91.1	1850		0.583036	1
1	3	18	76.8	1111	1790	1.314855	
2	3	18	56.3	1300	1965	2.239531	
3	3	18	71.8	1961	1056	3.061842	
4	2	18	73.1	1381		3.949361	
5	3	18	54.7	1291	1648	4.355878	
6	3	18	94.6	1042	1283	4.994423	
7	3	18	70.9	1771	1605	6.164923	
8	2	18	83.6	1399		6.423647	
9	1	18	96.9			7.473956	
10	1	18	81.5			8.509498	
11	2	18	61.1	1642		9.071728	
12	1	18	87.2			10.082652	
13	2	18	85.5	1759		11.156393	
14	3	18	99.3	1491	1873	11.738853	

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	6	89.4			1.09667	
1	2	6	69.4	1846		1.620437	
2	3	6	95.8	1917	1131	3.716953	
3	2	6	92	1424		5.284648	
4	3	6	84.5	1697	1627	6.516679	1
5	2	6	63.4	1197		7.24169	
6	2	6	53.8	1373		8.832043	
7	2	6	55.1	1846		10.606324	
8	2	6	57.1	1050		11.641358	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	73.5	1547		0.206139	
1	2	13	59.4	1517		1.026861	
2	2	13	62.3	1781		1.674506	
3	3	13	88.9	1706	1590	2.478182	
4	1	13	91.1			3.202835	
5	3	13	61	1105	1333	3.93741	
6	2	13	81.3	1488		4.578186	
7	1	13	64.7			5.231637	
8	2	13	75.5	1232		6.086626	1
9	2	13	92.4	1427		6.529259	
10	2	13	53.7	1187		7.47882	
11	2	13	98.5	1657		7.947019	
12	1	13	83			8.70596	
13	2	13	76.7	1831		9.738137	
14	2	13	97.1	1951		10.486046	
15	3	13	71.3	1924	1365	10.688098	
16	3	13	63.9	1250	1728	11.810284	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	68	1740	1330	0.313749	1
1	3	15	98.1	1465	1664	2.124781	
2	2	15	78.4	1640		4.225577	
3	2	15	98.7	1377		4.947434	
4	2	15	91.9	1877		6.474932	
5	1	15	51.7			8.918002	
6	1	15	69.4			9.711138	
7	1	15	97.7			11.171186	

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	14	63.8	1726	1045	0.25618	1
1	2	14	89.1	1499		0.729292	
2	3	14	90.4	1174	1841	1.845688	
3	1	14	82.5			2.508787	
4	2	14	73.7	1892		3.026637	
5	2	14	57.7	1637		3.528478	
6	1	14	83.5			4.312757	
7	1	14	63			4.78371	
8	3	14	70.2	1486	1259	5.808093	
9	3	14	73.7	1493	1860	6.316197	
10	2	14	86.5	1851		7.034054	
11	2	14	93.5	1383		7.453946	
12	3	14	56.6	1675	1039	8.635606	
13	2	14	98.1	1376		9.206689	
14	2	14	75.3	1911		9.943441	
15	3	14	80.9	1303	1607	10.30445	
16	1	14	67.6			10.987158	
17	2	14	74.7	1715		11.692479	

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	15	73.9	1304	1171	0.027453	1
1	2	15	54.7	1458		0.96599	
2	2	15	99	1844		1.244412	
3	3	15	51.9	1824	1727	2.380309	
4	2	15	52.5	1356		2.950434	
5	3	15	92.2	1384	1361	3.224896	
6	2	15	53.6	1508		4.090626	
7	2	15	81.6	1265		4.721625	
8	3	15	63.8	1242	1223	5.363985	
9	2	15	91.8	1837		5.422694	
10	2	15	82.6	1363		6.317483	
11	2	15	61.8	1473		7.158928	
12	1	15	55.1			7.509776	
13	2	15	59.4	1029		7.819232	
14	2	15	94	1802		8.944343	
15	2	15	82.1	1189		9.245993	
16	1	15	72			10.122236	
17	1	15	62.6			10.743237	
18	2	15	50.4	1974		11.334211	
19	3	15	63.6	1521	1856	11.448859	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	58			0.177803	
1	1	9	87			0.873561	
2	2	9	87.7	1561		1.782544	
3	2	9	65.1	1055		2.873747	
4	3	9	51.3	1092	1134	3.493023	
5	1	9	81			4.569373	
6	1	9	58.3			5.070362	
7	3	9	76	1296	1459	5.842393	1
8	2	9	57.8	1396		6.840721	
9	2	9	54.4	1628		7.882937	
10	1	9	70.4			8.011669	
11	2	9	64.5	1379		9.558936	
12	3	9	58.7	1558	1713	9.833709	
13	2	9	52.3	1399		10.974873	
14	1	9	56.7			11.629076	

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	13	81.5	1097	1851	0.558716	
1	1	13	95.3			0.865556	
2	3	13	65.8	1683	1591	1.421317	
3	3	13	71.4	1470	1216	2.440663	
4	1	13	80.4			2.868548	
5	3	13	94.7	1006	1421	3.775558	
6	1	13	98			4.764711	
7	2	13	66.6	1002		5.127937	
8	2	13	98.9	1312		6.199544	1
9	2	13	69.4	1272		6.546647	
10	2	13	79.4	1532		7.526676	
11	1	13	78			8.312451	
12	2	13	55.2	1240		8.977749	
13	2	13	81.4	1573		9.530728	
14	2	13	60.7	1774		10.506094	
15	3	13	86.1	1259	1205	11.123549	
16	2	13	60	1959		11.904808	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	74.8	1951	1553	0.448533	1
1	2	9	75.8	1613		1.129697	
2	2	9	68	1176		2.379049	
3	2	9	63.6	1375		3.362448	
4	2	9	60.2	1303		4.029415	
5	2	9	69.1	1266		4.402799	
6	2	9	56.1	1833		5.766445	
7	2	9	79.3	1416		6.377785	
8	3	9	75.8	1072	1315	6.916728	
9	2	9	65.6	1044		8.117649	
10	3	9	80.7	1506	1874	9.229273	
11	2	9	82.2	1122		9.467216	
12	2	9	82.3	1571		10.916137	
13	2	9	79.7	1640		11.405125	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	58.8	1507		0.65539	1
1	2	19	75.2	1509		1.646173	
2	2	19	99.4	1911		1.854518	
3	2	19	81.1	1791		3.026062	
4	2	19	67.6	1959		4.313109	
5	2	19	96.7	1841		4.763305	
6	1	19	96.5			6.079943	
7	2	19	50.3	1741		7.283696	
8	3	19	95.2	1089	1701	7.750053	
9	2	19	69.2	1361		8.940459	
10	2	19	54	1855		9.654316	
11	3	19	57.6	1594	1187	10.415149	
12	2	19	74.1	1653		11.175396	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	97.8	1236		0.62279	
1	2	12	74.7	1940		1.753627	
2	2	12	89.1	1487		2.057784	
3	2	12	88.6	1153		2.986614	
4	3	12	94	1441	1372	3.886068	
5	2	12	65.4	1960		4.947826	
6	1	12	89.4			5.853869	1
7	3	12	98.2	1713	1139	6.653933	
8	2	12	75.2	1312		8.077003	
9	2	12	88.5	1764		8.813135	
10	2	12	56.5	1041		9.842255	
11	3	12	67.5	1209	1836	10.99209	
12	1	12	90.1			11.954148	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	73.6	1090	1770	1.222516	
1	1	12	61.3			1.946822	
2	3	12	65.3	1130	1630	3.558491	
3	1	12	69.5			5.010051	
4	3	12	93.1	1847	1814	6.632164	1
5	2	12	71.2	1455		7.274354	
6	1	12	62.6			8.479514	
7	3	12	74.1	1230	1994	10.115779	
8	2	12	77.1	1691		11.964517	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	53.3	1730		0.255703	1
1	3	18	97	1812	1251	0.833281	
2	1	18	75.4			1.933247	
3	2	18	51.3	1055		2.563231	
4	2	18	99.6	1881		2.715752	
5	2	18	91	1699		3.468628	
6	3	18	82.3	1626	1941	4.057463	
7	2	18	67.3	1778		5.157633	
8	2	18	50.1	1860		5.969187	
9	2	18	77.2	1909		6.086483	
10	2	18	79.4	1490		7.317195	
11	3	18	99.7	1607	1264	7.565905	
12	1	18	81.8			8.495368	
13	3	18	60.3	1064	1209	9.028233	
14	3	18	91.9	1737	1940	9.849248	
15	1	18	91.3			10.643461	
16	3	18	86.1	1731	1981	10.906574	
17	3	18	79.2	1767	1051	11.558024	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	50.7	1180		0.209662	1
1	3	15	80.4	1344	1147	0.83579	
2	2	15	52.5	1196		1.64608	
3	2	15	88.5	1634		2.181788	
4	3	15	98.8	1872	1533	2.818108	
5	1	15	98.8			3.510269	
6	2	15	74.8	1032		4.359423	
7	1	15	50.9			5.29967	
8	3	15	93.1	1930	1044	5.655006	
9	2	15	77.8	1956		6.149959	
10	3	15	97.6	1893	1864	6.805337	
11	2	15	93.8	1075		7.912448	
12	1	15	97.7			8.543741	
13	1	15	67.9			8.682157	
14	2	15	81.9	1412		9.654156	
15	2	15	71.6	1639		10.101795	
16	1	15	85.8			10.803658	
17	3	15	93.7	1755	1510	11.57009	

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	69.9	1939		0.322102	1
1	1	14	90.7			1.310665	
2	2	14	99.5	1363		1.70782	
3	2	14	55.6	1004		2.504028	
4	1	14	72.3			2.800233	
5	2	14	81	1919		3.653185	
6	1	14	73.3			4.141296	
7	1	14	86			4.919964	
8	2	14	55.9	1798		5.690756	
9	2	14	79.7	1017		6.108992	
10	2	14	86.9	1421		7.284869	
11	1	14	72			7.79188	
12	2	14	81.3	1806		8.335113	
13	2	14	79.6	1556		8.726733	
14	3	14	95.5	1664	1294	9.720299	
15	2	14	92	1262		10.278701	
16	2	14	91	1072		11.219161	
17	2	14	84.2	1398		11.462256	

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	14	78.9			0.43452	1
1	1	14	66.3			1.095221	
2	2	14	93	1887		2.727822	
3	2	14	62.2	1183		3.198258	
4	2	14	94	1857		4.450232	
5	2	14	65.4	1869		5.886922	
6	2	14	99.9	1128		6.30786	
7	3	14	53.8	1326	1947	7.216971	
8	3	14	86.1	1523	1861	8.549232	
9	1	14	53.9			9.956611	
10	2	14	83.7	1839		10.689661	
11	2	14	69.5	1181		11.803361	

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	7	65.6	1914		0.861873	
1	2	7	82.2	1058		1.491512	
2	1	7	84.9			2.45521	
3	2	7	94.9	1189		3.83883	
4	1	7	83.7			5.186017	
5	3	7	62.7	1199	1108	6.519382	1
6	3	7	72.2	1989	1960	6.762467	
7	2	7	84.6	1310		7.75356	
8	1	7	80			9.311956	
9	3	7	74.2	1709	1098	10.506964	
10	3	7	56.5	1971	1823	11.001006	

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	5521.0, 5400.0, 5428.0, 5355.0, 5426.0, 5333.0, 5274.0, 5405.0, 5641.0, 5259.0, 5293.0, 5267.0, 5526.0, 5410.0, 5645.0, 5403.0, 5581.0, 5604.0, 5418.0, 5684.0, 5336.0, 5606.0, 5369.0, 5374.0, 5506.0, 5529.0, 5392.0, 5701.0, 5621.0, 5512.0, 5692.0, 5509.0, 5531.0, 5379.0, 5330.0, 5337.0, 5477.0, 5585.0, 5608.0, 5685.0, 5669.0, 5423.0, 5511.0, 5530.0, 5384.0, 5416.0, 5478.0, 5553.0, 5620.0, 5363.0, 5483.0, 5319.0, 5617.0, 5551.0, 5339.0, 5412.0, 5394.0, 5313.0, 5345.0, 5520.0, 5447.0, 5320.0, 5688.0, 5480.0, 5365.0, 5335.0, 5466.0, 5385.0, 5489.0, 5401.0, 5278.0, 5469.0, 5689.0, 5561.0, 5543.0, 5675.0, 5357.0, 5636.0, 5422.0, 5432.0, 5302.0, 5498.0, 5680.0, 5348.0, 5632.0, 5359.0, 5445.0, 5514.0, 5289.0, 5444.0, 5332.0, 5634.0, 5615.0, 5674.0, 5395.0, 5582.0, 5492.0, 5522.0, 5519.0, 5642.0 (number of hits: 12)
2	5510	9	1	333	1	5389.0, 5610.0, 5375.0, 5499.0, 5391.0, 5252.0, 5416.0, 5651.0, 5547.0, 5660.0, 5644.0, 5582.0, 5285.0, 5302.0, 5722.0, 5556.0, 5417.0, 5331.0, 5522.0, 5613.0, 5564.0, 5439.0, 5420.0, 5643.0, 5712.0, 5604.0, 5381.0, 5594.0, 5402.0, 5686.0, 5326.0, 5505.0, 5560.0, 5512.0, 5711.0, 5401.0, 5585.0, 5456.0, 5694.0, 5601.0, 5580.0, 5703.0, 5385.0, 5440.0, 5570.0, 5579.0, 5314.0, 5500.0, 5524.0, 5369.0, 5494.0, 5320.0, 5452.0, 5424.0, 5343.0, 5467.0, 5280.0, 5526.0, 5529.0, 5650.0, 5719.0, 5473.0, 5461.0, 5607.0, 5425.0, 5481.0, 5483.0, 5617.0, 5371.0, 5715.0, 5638.0, 5429.0, 5612.0, 5292.0, 5376.0, 5392.0, 5541.0, 5446.0, 5515.0, 5289.0, 5567.0, 5668.0, 5674.0, 5498.0, 5322.0, 5677.0, 5615.0, 5324.0, 5286.0, 5530.0, 5657.0, 5589.0, 5635.0, 5274.0, 5387.0, 5602.0, 5646.0, 5368.0, 5633.0, 5319.0 (number of hits: 10)
3	5510	9	1	333	1	5653.0, 5373.0, 5502.0, 5262.0, 5278.0, 5612.0, 5526.0, 5396.0, 5709.0, 5673.0, 5453.0, 5448.0, 5321.0, 5566.0, 5705.0, 5681.0, 5409.0, 5266.0, 5661.0, 5563.0, 5581.0, 5381.0, 5710.0, 5583.0, 5636.0, 5393.0, 5568.0, 5625.0, 5633.0, 5514.0, 5316.0, 5495.0, 5688.0, 5704.0, 5434.0, 5570.0, 5576.0, 5360.0, 5587.0, 5490.0, 5269.0, 5294.0, 5469.0, 5255.0, 5303.0, 5578.0, 5426.0, 5610.0, 5478.0, 5562.0, 5297.0, 5439.0, 5431.0, 5496.0, 5305.0, 5691.0, 5600.0, 5336.0, 5368.0, 5444.0, 5647.0, 5525.0, 5351.0, 5424.0, 5603.0, 5666.0, 5545.0, 5584.0, 5345.0, 5407.0,

						5608.0, 5395.0, 5285.0, 5394.0, 5720.0, 5383.0, 5343.0, 5337.0, 5415.0, 5361.0, 5326.0, 5707.0, 5550.0, 5530.0, 5331.0, 5590.0, 5708.0, 5613.0, 5588.0, 5362.0, 5506.0, 5554.0, 5402.0, 5359.0, 5682.0, 5390.0, 5721.0, 5347.0, 5547.0, 5492.0 (number of hits: 8)
4	5510	9	1	333	1	5548.0, 5550.0, 5297.0, 5630.0, 5680.0, 5531.0, 5319.0, 5266.0, 5515.0, 5480.0, 5323.0, 5493.0, 5459.0, 5534.0, 5419.0, 5339.0, 5582.0, 5321.0, 5612.0, 5343.0, 5435.0, 5388.0, 5658.0, 5708.0, 5260.0, 5700.0, 5578.0, 5431.0, 5292.0, 5682.0, 5508.0, 5336.0, 5271.0, 5595.0, 5441.0, 5363.0, 5358.0, 5572.0, 5579.0, 5320.0, 5458.0, 5631.0, 5415.0, 5622.0, 5608.0, 5275.0, 5588.0, 5373.0, 5706.0, 5659.0, 5411.0, 5722.0, 5407.0, 5454.0, 5581.0, 5425.0, 5563.0, 5350.0, 5353.0, 5470.0, 5472.0, 5583.0, 5559.0, 5519.0, 5426.0, 5497.0, 5382.0, 5649.0, 5252.0, 5386.0, 5701.0, 5469.0, 5410.0, 5392.0, 5490.0, 5712.0, 5332.0, 5586.0, 5687.0, 5259.0, 5378.0, 5377.0, 5430.0, 5461.0, 5627.0, 5598.0, 5465.0, 5317.0, 5718.0, 5395.0, 5412.0, 5379.0, 5301.0, 5337.0, 5312.0, 5599.0, 5544.0, 5270.0, 5479.0, 5293.0 (number of hits: 5)
5	5510	9	1	333	1	5258.0, 5690.0, 5421.0, 5289.0, 5401.0, 5533.0, 5470.0, 5542.0, 5410.0, 5306.0, 5279.0, 5496.0, 5282.0, 5520.0, 5516.0, 5696.0, 5403.0, 5607.0, 5719.0, 5582.0, 5321.0, 5367.0, 5564.0, 5324.0, 5537.0, 5535.0, 5646.0, 5710.0, 5374.0, 5481.0, 5272.0, 5632.0, 5486.0, 5396.0, 5562.0, 5488.0, 5633.0, 5295.0, 5720.0, 5317.0, 5390.0, 5543.0, 5313.0, 5648.0, 5375.0, 5260.0, 5467.0, 5350.0, 5573.0, 5604.0, 5320.0, 5538.0, 5671.0, 5341.0, 5701.0, 5621.0, 5445.0, 5476.0, 5252.0, 5366.0, 5456.0, 5393.0, 5358.0, 5277.0, 5551.0, 5546.0, 5647.0, 5319.0, 5261.0, 5427.0, 5526.0, 5623.0, 5525.0, 5318.0, 5650.0, 5541.0, 5601.0, 5566.0, 5383.0, 5487.0, 5347.0, 5278.0, 5361.0, 5473.0, 5417.0, 5365.0, 5281.0, 5429.0, 5495.0, 5667.0, 5377.0, 5536.0, 5378.0, 5355.0, 5453.0, 5521.0, 5597.0, 5678.0, 5314.0, 5412.0 (number of hits: 7)
6	5510	9	1	333	1	5597.0, 5326.0, 5491.0, 5310.0, 5485.0, 5532.0, 5674.0, 5633.0, 5440.0, 5263.0, 5488.0, 5261.0, 5626.0, 5483.0, 5652.0, 5563.0, 5381.0, 5542.0, 5701.0, 5400.0, 5299.0, 5644.0, 5601.0, 5556.0, 5628.0, 5708.0, 5580.0, 5254.0, 5590.0, 5281.0, 5604.0, 5364.0, 5409.0, 5445.0, 5572.0, 5615.0, 5693.0, 5656.0, 5514.0, 5691.0, 5415.0, 5593.0, 5595.0, 5495.0, 5275.0, 5522.0, 5278.0, 5558.0, 5372.0, 5705.0, 5358.0, 5339.0, 5374.0, 5476.0, 5431.0, 5671.0, 5686.0, 5574.0, 5256.0, 5510.0, 5356.0, 5540.0, 5533.0, 5451.0, 5406.0,

						5570.0, 5311.0, 5325.0, 5396.0, 5267.0, 5255.0, 5554.0, 5720.0, 5379.0, 5433.0, 5711.0, 5457.0, 5681.0, 5373.0, 5664.0, 5706.0, 5586.0, 5643.0, 5666.0, 5620.0, 5455.0, 5436.0, 5655.0, 5366.0, 5349.0, 5520.0, 5348.0, 5653.0, 5518.0, 5293.0, 5285.0, 5564.0, 5718.0, 5703.0, 5418.0 (number of hits: 7)
7	5510	9	1	333	1	5558.0, 5720.0, 5483.0, 5591.0, 5562.0, 5505.0, 5524.0, 5630.0, 5580.0, 5357.0, 5431.0, 5698.0, 5656.0, 5516.0, 5560.0, 5331.0, 5705.0, 5266.0, 5318.0, 5714.0, 5374.0, 5534.0, 5469.0, 5628.0, 5671.0, 5487.0, 5341.0, 5330.0, 5385.0, 5703.0, 5684.0, 5658.0, 5604.0, 5551.0, 5568.0, 5598.0, 5321.0, 5642.0, 5586.0, 5360.0, 5309.0, 5391.0, 5724.0, 5370.0, 5478.0, 5613.0, 5553.0, 5706.0, 5436.0, 5472.0, 5625.0, 5307.0, 5327.0, 5713.0, 5521.0, 5563.0, 5707.0, 5634.0, 5597.0, 5652.0, 5681.0, 5349.0, 5603.0, 5423.0, 5337.0, 5388.0, 5432.0, 5417.0, 5621.0, 5462.0, 5455.0, 5695.0, 5251.0, 5552.0, 5641.0, 5325.0, 5711.0, 5579.0, 5352.0, 5253.0, 5433.0, 5691.0, 5539.0, 5543.0, 5444.0, 5542.0, 5663.0, 5668.0, 5454.0, 5259.0, 5589.0, 5639.0, 5342.0, 5429.0, 5569.0, 5440.0, 5395.0, 5284.0, 5424.0, 5459.0 (number of hits: 4)
8	5510	9	1	333	1	5557.0, 5677.0, 5278.0, 5542.0, 5446.0, 5343.0, 5540.0, 5345.0, 5380.0, 5572.0, 5702.0, 5696.0, 5357.0, 5371.0, 5536.0, 5551.0, 5359.0, 5534.0, 5698.0, 5484.0, 5447.0, 5697.0, 5589.0, 5528.0, 5571.0, 5471.0, 5575.0, 5720.0, 5621.0, 5400.0, 5693.0, 5596.0, 5624.0, 5373.0, 5304.0, 5388.0, 5587.0, 5650.0, 5648.0, 5516.0, 5344.0, 5416.0, 5348.0, 5290.0, 5352.0, 5255.0, 5404.0, 5458.0, 5640.0, 5490.0, 5716.0, 5718.0, 5409.0, 5713.0, 5649.0, 5508.0, 5266.0, 5548.0, 5300.0, 5705.0, 5294.0, 5494.0, 5349.0, 5399.0, 5428.0, 5564.0, 5517.0, 5506.0, 5374.0, 5504.0, 5347.0, 5700.0, 5268.0, 5297.0, 5474.0, 5623.0, 5319.0, 5441.0, 5483.0, 5502.0, 5498.0, 5429.0, 5646.0, 5688.0, 5407.0, 5263.0, 5342.0, 5567.0, 5327.0, 5672.0, 5271.0, 5350.0, 5333.0, 5317.0, 5314.0, 5382.0, 5308.0, 5323.0, 5467.0, 5544.0 (number of hits: 9)
9	5510	9	1	333	1	5549.0, 5539.0, 5699.0, 5390.0, 5670.0, 5694.0, 5361.0, 5642.0, 5527.0, 5444.0, 5488.0, 5355.0, 5286.0, 5417.0, 5500.0, 5668.0, 5398.0, 5712.0, 5412.0, 5621.0, 5721.0, 5497.0, 5576.0, 5298.0, 5717.0, 5462.0, 5600.0, 5408.0, 5473.0, 5255.0, 5285.0, 5523.0, 5294.0, 5627.0, 5478.0, 5655.0, 5391.0, 5362.0, 5281.0, 5519.0, 5703.0, 5460.0, 5293.0, 5369.0, 5463.0, 5288.0, 5385.0, 5673.0, 5676.0, 5701.0, 5260.0, 5403.0, 5349.0, 5535.0, 5379.0, 5714.0, 5515.0, 5348.0, 5332.0, 5593.0,

						5481.0, 5543.0, 5275.0, 5427.0, 5482.0, 5380.0, 5559.0, 5554.0, 5476.0, 5333.0, 5261.0, 5613.0, 5377.0, 5425.0, 5550.0, 5540.0, 5650.0, 5454.0, 5446.0, 5516.0, 5314.0, 5282.0, 5297.0, 5541.0, 5626.0, 5422.0, 5505.0, 5493.0, 5319.0, 5578.0, 5566.0, 5448.0, 5266.0, 5711.0, 5697.0, 5406.0, 5491.0, 5322.0, 5469.0, 5440.0 (number of hits: 10)
10	5510	9	1	333	1	5374.0, 5407.0, 5431.0, 5636.0, 5670.0, 5279.0, 5340.0, 5381.0, 5613.0, 5568.0, 5384.0, 5301.0, 5286.0, 5544.0, 5531.0, 5512.0, 5397.0, 5297.0, 5628.0, 5341.0, 5598.0, 5541.0, 5269.0, 5432.0, 5519.0, 5298.0, 5585.0, 5482.0, 5478.0, 5413.0, 5480.0, 5287.0, 5618.0, 5264.0, 5400.0, 5723.0, 5527.0, 5326.0, 5635.0, 5683.0, 5373.0, 5415.0, 5569.0, 5382.0, 5358.0, 5446.0, 5379.0, 5409.0, 5534.0, 5278.0, 5530.0, 5443.0, 5575.0, 5696.0, 5701.0, 5583.0, 5454.0, 5408.0, 5255.0, 5377.0, 5520.0, 5334.0, 5270.0, 5450.0, 5438.0, 5439.0, 5528.0, 5406.0, 5643.0, 5275.0, 5708.0, 5561.0, 5464.0, 5411.0, 5363.0, 5513.0, 5392.0, 5490.0, 5498.0, 5467.0, 5284.0, 5506.0, 5579.0, 5346.0, 5273.0, 5649.0, 5403.0, 5387.0, 5386.0, 5311.0, 5427.0, 5648.0, 5686.0, 5576.0, 5689.0, 5433.0, 5354.0, 5543.0, 5495.0, 5608.0 (number of hits: 9)
11	5510	9	1	333	1	5480.0, 5499.0, 5337.0, 5361.0, 5566.0, 5679.0, 5539.0, 5323.0, 5459.0, 5443.0, 5542.0, 5501.0, 5408.0, 5678.0, 5313.0, 5563.0, 5475.0, 5623.0, 5646.0, 5481.0, 5432.0, 5491.0, 5417.0, 5628.0, 5659.0, 5611.0, 5373.0, 5706.0, 5353.0, 5676.0, 5258.0, 5716.0, 5609.0, 5317.0, 5398.0, 5399.0, 5389.0, 5444.0, 5552.0, 5420.0, 5411.0, 5533.0, 5422.0, 5433.0, 5562.0, 5508.0, 5625.0, 5667.0, 5278.0, 5514.0, 5664.0, 5655.0, 5380.0, 5489.0, 5589.0, 5276.0, 5596.0, 5551.0, 5324.0, 5520.0, 5560.0, 5264.0, 5370.0, 5673.0, 5517.0, 5632.0, 5561.0, 5474.0, 5642.0, 5663.0, 5268.0, 5413.0, 5622.0, 5374.0, 5343.0, 5294.0, 5390.0, 5693.0, 5672.0, 5382.0, 5418.0, 5582.0, 5455.0, 5670.0, 5717.0, 5358.0, 5331.0, 5285.0, 5414.0, 5523.0, 5309.0, 5269.0, 5442.0, 5282.0, 5618.0, 5307.0, 5387.0, 5340.0, 5709.0, 5516.0 (number of hits: 9)
12	5510	9	1	333	1	5483.0, 5545.0, 5715.0, 5480.0, 5347.0, 5270.0, 5320.0, 5259.0, 5479.0, 5647.0, 5343.0, 5689.0, 5511.0, 5345.0, 5486.0, 5302.0, 5448.0, 5431.0, 5371.0, 5484.0, 5295.0, 5357.0, 5308.0, 5585.0, 5720.0, 5645.0, 5287.0, 5327.0, 5714.0, 5473.0, 5555.0, 5274.0, 5596.0, 5644.0, 5379.0, 5528.0, 5252.0, 5724.0, 5609.0, 5414.0, 5588.0, 5492.0, 5418.0, 5415.0, 5330.0, 5453.0, 5264.0, 5691.0, 5310.0, 5606.0, 5692.0, 5364.0, 5458.0, 5717.0, 5559.0,

						5289.0, 5329.0, 5271.0, 5489.0, 5470.0, 5673.0, 5648.0, 5635.0, 5631.0, 5629.0, 5464.0, 5260.0, 5374.0, 5666.0, 5416.0, 5567.0, 5697.0, 5517.0, 5591.0, 5718.0, 5632.0, 5376.0, 5509.0, 5393.0, 5607.0, 5570.0, 5687.0, 5300.0, 5699.0, 5439.0, 5636.0, 5255.0, 5638.0, 5279.0, 5460.0, 5657.0, 5690.0, 5608.0, 5642.0, 5286.0, 5696.0, 5525.0, 5552.0, 5723.0, 5533.0 (number of hits: 6)
13	5510	9	1	333	1	5668.0, 5455.0, 5374.0, 5320.0, 5568.0, 5530.0, 5677.0, 5420.0, 5489.0, 5598.0, 5548.0, 5432.0, 5678.0, 5603.0, 5365.0, 5543.0, 5422.0, 5612.0, 5269.0, 5517.0, 5483.0, 5639.0, 5564.0, 5484.0, 5676.0, 5685.0, 5411.0, 5687.0, 5645.0, 5509.0, 5696.0, 5331.0, 5713.0, 5669.0, 5557.0, 5635.0, 5608.0, 5280.0, 5385.0, 5580.0, 5436.0, 5368.0, 5474.0, 5654.0, 5468.0, 5384.0, 5453.0, 5659.0, 5547.0, 5277.0, 5630.0, 5258.0, 5267.0, 5448.0, 5366.0, 5478.0, 5711.0, 5261.0, 5626.0, 5430.0, 5631.0, 5506.0, 5673.0, 5722.0, 5663.0, 5670.0, 5703.0, 5550.0, 5446.0, 5416.0, 5426.0, 5460.0, 5285.0, 5538.0, 5421.0, 5428.0, 5412.0, 5561.0, 5655.0, 5522.0, 5682.0, 5308.0, 5265.0, 5508.0, 5604.0, 5575.0, 5252.0, 5475.0, 5253.0, 5451.0, 5706.0, 5274.0, 5534.0, 5535.0, 5388.0, 5507.0, 5283.0, 5294.0, 5723.0, 5607.0 (number of hits: 6)
14	5510	9	1	333	1	5270.0, 5604.0, 5619.0, 5499.0, 5476.0, 5363.0, 5657.0, 5345.0, 5273.0, 5588.0, 5559.0, 5269.0, 5268.0, 5282.0, 5314.0, 5457.0, 5697.0, 5636.0, 5700.0, 5535.0, 5435.0, 5477.0, 5565.0, 5301.0, 5584.0, 5506.0, 5453.0, 5571.0, 5505.0, 5255.0, 5413.0, 5406.0, 5398.0, 5308.0, 5690.0, 5486.0, 5721.0, 5698.0, 5611.0, 5652.0, 5327.0, 5307.0, 5367.0, 5570.0, 5603.0, 5705.0, 5494.0, 5340.0, 5689.0, 5481.0, 5630.0, 5289.0, 5375.0, 5414.0, 5681.0, 5408.0, 5441.0, 5633.0, 5551.0, 5318.0, 5543.0, 5343.0, 5382.0, 5618.0, 5438.0, 5595.0, 5300.0, 5509.0, 5676.0, 5389.0, 5493.0, 5309.0, 5254.0, 5568.0, 5606.0, 5685.0, 5365.0, 5646.0, 5344.0, 5470.0, 5472.0, 5462.0, 5420.0, 5522.0, 5299.0, 5475.0, 5703.0, 5369.0, 5293.0, 5259.0, 5616.0, 5532.0, 5446.0, 5591.0, 5678.0, 5271.0, 5352.0, 5677.0, 5292.0, 5290.0 (number of hits: 7)
15	5510	9	1	333	1	5597.0, 5285.0, 5607.0, 5363.0, 5442.0, 5338.0, 5352.0, 5520.0, 5519.0, 5300.0, 5604.0, 5668.0, 5510.0, 5559.0, 5284.0, 5404.0, 5633.0, 5678.0, 5579.0, 5630.0, 5374.0, 5625.0, 5720.0, 5275.0, 5573.0, 5701.0, 5534.0, 5581.0, 5478.0, 5703.0, 5416.0, 5396.0, 5468.0, 5580.0, 5532.0, 5290.0, 5549.0, 5424.0, 5492.0, 5476.0, 5621.0, 5590.0, 5438.0, 5388.0, 5575.0, 5397.0, 5598.0, 5539.0, 5482.0, 5606.0,

						5693.0, 5664.0, 5601.0, 5665.0, 5319.0, 5643.0, 5375.0, 5683.0, 5414.0, 5379.0, 5632.0, 5540.0, 5518.0, 5485.0, 5349.0, 5698.0, 5392.0, 5710.0, 5489.0, 5622.0, 5427.0, 5570.0, 5651.0, 5337.0, 5451.0, 5690.0, 5536.0, 5345.0, 5679.0, 5561.0, 5721.0, 5612.0, 5615.0, 5357.0, 5515.0, 5415.0, 5636.0, 5677.0, 5705.0, 5269.0, 5408.0, 5480.0, 5642.0, 5467.0, 5589.0, 5591.0, 5387.0, 5326.0, 5722.0, 5576.0 (number of hits: 6)
16	5510	9	1	333	1	5406.0, 5681.0, 5334.0, 5404.0, 5668.0, 5303.0, 5523.0, 5300.0, 5305.0, 5667.0, 5437.0, 5267.0, 5402.0, 5552.0, 5514.0, 5648.0, 5268.0, 5712.0, 5603.0, 5306.0, 5695.0, 5468.0, 5352.0, 5423.0, 5489.0, 5319.0, 5360.0, 5298.0, 5638.0, 5718.0, 5697.0, 5414.0, 5465.0, 5643.0, 5449.0, 5495.0, 5529.0, 5527.0, 5637.0, 5528.0, 5650.0, 5656.0, 5490.0, 5626.0, 5587.0, 5613.0, 5451.0, 5398.0, 5685.0, 5351.0, 5473.0, 5716.0, 5715.0, 5354.0, 5682.0, 5591.0, 5364.0, 5629.0, 5515.0, 5443.0, 5641.0, 5620.0, 5580.0, 5386.0, 5610.0, 5285.0, 5622.0, 5308.0, 5658.0, 5424.0, 5293.0, 5597.0, 5275.0, 5442.0, 5690.0, 5583.0, 5500.0, 5616.0, 5435.0, 5694.0, 5493.0, 5517.0, 5400.0, 5327.0, 5477.0, 5483.0, 5519.0, 5330.0, 5436.0, 5494.0, 5546.0, 5369.0, 5709.0, 5396.0, 5645.0, 5256.0, 5418.0, 5676.0, 5311.0, 5315.0 (number of hits: 11)
17	5510	9	1	333	1	5651.0, 5433.0, 5326.0, 5620.0, 5300.0, 5417.0, 5615.0, 5279.0, 5628.0, 5689.0, 5336.0, 5599.0, 5268.0, 5641.0, 5543.0, 5690.0, 5330.0, 5397.0, 5361.0, 5685.0, 5335.0, 5633.0, 5365.0, 5262.0, 5549.0, 5308.0, 5281.0, 5278.0, 5418.0, 5532.0, 5465.0, 5585.0, 5411.0, 5292.0, 5289.0, 5256.0, 5375.0, 5271.0, 5566.0, 5491.0, 5575.0, 5715.0, 5275.0, 5469.0, 5565.0, 5252.0, 5489.0, 5666.0, 5477.0, 5312.0, 5705.0, 5318.0, 5636.0, 5672.0, 5384.0, 5702.0, 5659.0, 5386.0, 5314.0, 5485.0, 5667.0, 5555.0, 5280.0, 5447.0, 5446.0, 5551.0, 5274.0, 5693.0, 5618.0, 5610.0, 5522.0, 5658.0, 5614.0, 5673.0, 5621.0, 5490.0, 5723.0, 5638.0, 5324.0, 5479.0, 5527.0, 5670.0, 5604.0, 5546.0, 5403.0, 5432.0, 5325.0, 5515.0, 5556.0, 5425.0, 5430.0, 5642.0, 5653.0, 5250.0, 5662.0, 5694.0, 5265.0, 5679.0, 5406.0, 5476.0 (number of hits: 4)
18	5510	9	1	333	1	5577.0, 5499.0, 5633.0, 5336.0, 5481.0, 5697.0, 5572.0, 5538.0, 5408.0, 5350.0, 5282.0, 5615.0, 5550.0, 5296.0, 5515.0, 5663.0, 5689.0, 5547.0, 5657.0, 5712.0, 5415.0, 5443.0, 5467.0, 5599.0, 5490.0, 5465.0, 5325.0, 5412.0, 5420.0, 5526.0, 5429.0, 5436.0, 5368.0, 5613.0, 5665.0, 5716.0, 5390.0, 5273.0, 5566.0, 5565.0, 5255.0, 5512.0, 5581.0, 5315.0, 5308.0,

						5405.0, 5713.0, 5416.0, 5626.0, 5385.0, 5290.0, 5587.0, 5693.0, 5541.0, 5302.0, 5340.0, 5628.0, 5448.0, 5463.0, 5492.0, 5614.0, 5283.0, 5670.0, 5645.0, 5328.0, 5506.0, 5688.0, 5601.0, 5503.0, 5507.0, 5484.0, 5411.0, 5664.0, 5494.0, 5568.0, 5705.0, 5253.0, 5649.0, 5272.0, 5579.0, 5260.0, 5545.0, 5530.0, 5431.0, 5459.0, 5347.0, 5297.0, 5357.0, 5602.0, 5421.0, 5338.0, 5304.0, 5332.0, 5309.0, 5627.0, 5476.0, 5658.0, 5410.0, 5519.0, 5673.0 (number of hits: 10)
19	5510	9	1	333	1	5267.0, 5669.0, 5432.0, 5531.0, 5407.0, 5452.0, 5588.0, 5380.0, 5402.0, 5592.0, 5623.0, 5269.0, 5686.0, 5359.0, 5482.0, 5680.0, 5483.0, 5645.0, 5565.0, 5341.0, 5658.0, 5293.0, 5298.0, 5629.0, 5459.0, 5597.0, 5537.0, 5714.0, 5654.0, 5555.0, 5350.0, 5577.0, 5485.0, 5437.0, 5327.0, 5445.0, 5412.0, 5581.0, 5427.0, 5414.0, 5650.0, 5401.0, 5684.0, 5304.0, 5559.0, 5353.0, 5349.0, 5550.0, 5641.0, 5676.0, 5679.0, 5426.0, 5571.0, 5498.0, 5462.0, 5379.0, 5270.0, 5425.0, 5504.0, 5250.0, 5280.0, 5387.0, 5673.0, 5441.0, 5698.0, 5590.0, 5400.0, 5321.0, 5487.0, 5420.0, 5357.0, 5653.0, 5510.0, 5619.0, 5712.0, 5583.0, 5547.0, 5707.0, 5471.0, 5615.0, 5667.0, 5564.0, 5326.0, 5649.0, 5589.0, 5526.0, 5694.0, 5405.0, 5256.0, 5367.0, 5703.0, 5638.0, 5277.0, 5302.0, 5602.0, 5660.0, 5521.0, 5308.0, 5657.0, 5264.0 (number of hits: 5)
20	5510	9	1	333	1	5362.0, 5663.0, 5384.0, 5558.0, 5449.0, 5658.0, 5624.0, 5682.0, 5494.0, 5568.0, 5603.0, 5569.0, 5324.0, 5413.0, 5546.0, 5383.0, 5540.0, 5458.0, 5578.0, 5674.0, 5544.0, 5720.0, 5312.0, 5397.0, 5443.0, 5428.0, 5424.0, 5644.0, 5521.0, 5276.0, 5575.0, 5584.0, 5464.0, 5684.0, 5598.0, 5351.0, 5284.0, 5648.0, 5262.0, 5532.0, 5706.0, 5579.0, 5405.0, 5573.0, 5571.0, 5416.0, 5406.0, 5668.0, 5253.0, 5552.0, 5323.0, 5431.0, 5679.0, 5423.0, 5322.0, 5448.0, 5623.0, 5341.0, 5264.0, 5459.0, 5254.0, 5667.0, 5452.0, 5670.0, 5619.0, 5537.0, 5467.0, 5317.0, 5488.0, 5291.0, 5339.0, 5392.0, 5541.0, 5348.0, 5689.0, 5259.0, 5414.0, 5436.0, 5487.0, 5698.0, 5333.0, 5513.0, 5303.0, 5329.0, 5376.0, 5360.0, 5352.0, 5683.0, 5394.0, 5611.0, 5386.0, 5530.0, 5601.0, 5507.0, 5542.0, 5379.0, 5592.0, 5261.0, 5703.0, 5313.0 (number of hits: 4)
21	5510	9	1	333	1	5603.0, 5598.0, 5567.0, 5666.0, 5346.0, 5350.0, 5527.0, 5713.0, 5270.0, 5663.0, 5676.0, 5490.0, 5406.0, 5407.0, 5295.0, 5469.0, 5515.0, 5593.0, 5277.0, 5294.0, 5703.0, 5266.0, 5454.0, 5597.0, 5364.0, 5546.0, 5309.0, 5530.0, 5340.0, 5552.0, 5692.0, 5540.0, 5442.0, 5505.0, 5451.0, 5344.0, 5328.0, 5378.0, 5723.0, 5468.0,

						5271.0, 5438.0, 5573.0, 5672.0, 5284.0, 5547.0, 5679.0, 5400.0, 5655.0, 5502.0, 5288.0, 5291.0, 5281.0, 5265.0, 5386.0, 5465.0, 5550.0, 5279.0, 5315.0, 5690.0, 5563.0, 5649.0, 5583.0, 5707.0, 5687.0, 5319.0, 5475.0, 5625.0, 5525.0, 5586.0, 5519.0, 5337.0, 5307.0, 5614.0, 5724.0, 5691.0, 5343.0, 5255.0, 5531.0, 5653.0, 5652.0, 5568.0, 5440.0, 5416.0, 5514.0, 5311.0, 5522.0, 5702.0, 5669.0, 5715.0, 5286.0, 5447.0, 5721.0, 5382.0, 5390.0, 5292.0, 5664.0, 5342.0, 5555.0, 5379.0 (number of hits: 8)
22	5510	9	1	333	1	5388.0, 5399.0, 5664.0, 5283.0, 5481.0, 5670.0, 5464.0, 5606.0, 5549.0, 5663.0, 5484.0, 5570.0, 5669.0, 5603.0, 5535.0, 5632.0, 5462.0, 5677.0, 5490.0, 5615.0, 5489.0, 5473.0, 5587.0, 5533.0, 5508.0, 5394.0, 5643.0, 5267.0, 5256.0, 5502.0, 5290.0, 5509.0, 5650.0, 5717.0, 5293.0, 5578.0, 5371.0, 5323.0, 5384.0, 5702.0, 5503.0, 5278.0, 5547.0, 5328.0, 5569.0, 5647.0, 5320.0, 5446.0, 5576.0, 5701.0, 5297.0, 5721.0, 5295.0, 5506.0, 5434.0, 5397.0, 5284.0, 5700.0, 5649.0, 5337.0, 5296.0, 5356.0, 5457.0, 5565.0, 5357.0, 5495.0, 5617.0, 5691.0, 5459.0, 5269.0, 5543.0, 5403.0, 5609.0, 5395.0, 5562.0, 5398.0, 5491.0, 5330.0, 5456.0, 5321.0, 5682.0, 5437.0, 5438.0, 5354.0, 5710.0, 5430.0, 5688.0, 5558.0, 5465.0, 5560.0, 5383.0, 5673.0, 5343.0, 5339.0, 5478.0, 5718.0, 5610.0, 5405.0, 5652.0, 5616.0 (number of hits: 7)
23	5510	9	1	333	1	5458.0, 5295.0, 5698.0, 5430.0, 5629.0, 5325.0, 5283.0, 5348.0, 5451.0, 5703.0, 5362.0, 5714.0, 5527.0, 5706.0, 5402.0, 5696.0, 5293.0, 5481.0, 5625.0, 5559.0, 5492.0, 5303.0, 5434.0, 5344.0, 5312.0, 5328.0, 5507.0, 5562.0, 5343.0, 5552.0, 5393.0, 5436.0, 5421.0, 5505.0, 5487.0, 5480.0, 5351.0, 5483.0, 5556.0, 5679.0, 5367.0, 5529.0, 5254.0, 5319.0, 5449.0, 5253.0, 5406.0, 5658.0, 5380.0, 5610.0, 5587.0, 5392.0, 5347.0, 5314.0, 5445.0, 5680.0, 5272.0, 5682.0, 5418.0, 5488.0, 5584.0, 5363.0, 5710.0, 5589.0, 5357.0, 5642.0, 5605.0, 5277.0, 5611.0, 5255.0, 5361.0, 5534.0, 5621.0, 5674.0, 5305.0, 5422.0, 5701.0, 5416.0, 5662.0, 5646.0, 5374.0, 5538.0, 5289.0, 5304.0, 5675.0, 5652.0, 5321.0, 5626.0, 5500.0, 5403.0, 5567.0, 5311.0, 5467.0, 5292.0, 5463.0, 5540.0, 5518.0, 5660.0, 5603.0, 5617.0 (number of hits: 6)
24	5510	9	1	333	1	5368.0, 5567.0, 5663.0, 5269.0, 5486.0, 5521.0, 5331.0, 5344.0, 5282.0, 5641.0, 5335.0, 5345.0, 5600.0, 5531.0, 5371.0, 5508.0, 5495.0, 5542.0, 5305.0, 5709.0, 5667.0, 5444.0, 5456.0, 5320.0, 5460.0, 5264.0, 5337.0, 5359.0, 5664.0, 5278.0, 5701.0, 5669.0, 5645.0, 5578.0, 5589.0,

						5561.0, 5590.0, 5306.0, 5447.0, 5625.0, 5534.0, 5263.0, 5430.0, 5670.0, 5677.0, 5254.0, 5624.0, 5576.0, 5307.0, 5518.0, 5716.0, 5675.0, 5586.0, 5365.0, 5616.0, 5325.0, 5304.0, 5543.0, 5614.0, 5411.0, 5385.0, 5517.0, 5678.0, 5520.0, 5470.0, 5449.0, 5511.0, 5457.0, 5680.0, 5451.0, 5270.0, 5702.0, 5579.0, 5458.0, 5708.0, 5354.0, 5455.0, 5313.0, 5381.0, 5395.0, 5640.0, 5390.0, 5538.0, 5438.0, 5382.0, 5642.0, 5485.0, 5262.0, 5532.0, 5426.0, 5400.0, 5536.0, 5294.0, 5713.0, 5587.0, 5431.0, 5333.0, 5275.0, 5647.0, 5700.0 (number of hits: 7)
25	5510	9	1	333	1	5440.0, 5673.0, 5410.0, 5546.0, 5447.0, 5436.0, 5629.0, 5545.0, 5308.0, 5378.0, 5423.0, 5318.0, 5428.0, 5273.0, 5475.0, 5521.0, 5699.0, 5567.0, 5347.0, 5379.0, 5652.0, 5309.0, 5704.0, 5720.0, 5496.0, 5559.0, 5627.0, 5657.0, 5342.0, 5483.0, 5667.0, 5675.0, 5594.0, 5396.0, 5711.0, 5332.0, 5486.0, 5576.0, 5392.0, 5606.0, 5302.0, 5369.0, 5455.0, 5498.0, 5268.0, 5437.0, 5459.0, 5511.0, 5375.0, 5590.0, 5450.0, 5462.0, 5563.0, 5497.0, 5514.0, 5251.0, 5639.0, 5315.0, 5290.0, 5686.0, 5611.0, 5349.0, 5360.0, 5316.0, 5503.0, 5370.0, 5373.0, 5672.0, 5583.0, 5683.0, 5259.0, 5693.0, 5664.0, 5632.0, 5527.0, 5404.0, 5325.0, 5255.0, 5333.0, 5284.0, 5607.0, 5339.0, 5625.0, 5363.0, 5384.0, 5376.0, 5492.0, 5417.0, 5570.0, 5350.0, 5338.0, 5269.0, 5572.0, 5468.0, 5398.0, 5578.0, 5448.0, 5472.0, 5541.0, 5303.0 (number of hits: 9)
26	5510	9	1	333	1	5701.0, 5431.0, 5694.0, 5674.0, 5478.0, 5591.0, 5390.0, 5438.0, 5286.0, 5419.0, 5724.0, 5480.0, 5623.0, 5495.0, 5432.0, 5391.0, 5304.0, 5348.0, 5379.0, 5708.0, 5305.0, 5624.0, 5562.0, 5408.0, 5385.0, 5392.0, 5464.0, 5318.0, 5388.0, 5449.0, 5337.0, 5386.0, 5706.0, 5603.0, 5614.0, 5307.0, 5435.0, 5256.0, 5652.0, 5524.0, 5494.0, 5426.0, 5302.0, 5288.0, 5487.0, 5660.0, 5661.0, 5549.0, 5353.0, 5677.0, 5402.0, 5523.0, 5333.0, 5642.0, 5260.0, 5313.0, 5327.0, 5693.0, 5277.0, 5493.0, 5447.0, 5477.0, 5479.0, 5367.0, 5336.0, 5667.0, 5548.0, 5433.0, 5687.0, 5266.0, 5535.0, 5422.0, 5270.0, 5326.0, 5519.0, 5705.0, 5543.0, 5356.0, 5347.0, 5354.0, 5669.0, 5504.0, 5263.0, 5332.0, 5572.0, 5670.0, 5335.0, 5689.0, 5319.0, 5384.0, 5484.0, 5628.0, 5398.0, 5596.0, 5473.0, 5588.0, 5699.0, 5252.0, 5547.0, 5410.0 (number of hits: 7)
27	5510	9	1	333	1	5422.0, 5475.0, 5593.0, 5666.0, 5305.0, 5390.0, 5539.0, 5638.0, 5561.0, 5468.0, 5592.0, 5300.0, 5719.0, 5546.0, 5421.0, 5382.0, 5530.0, 5467.0, 5458.0, 5612.0, 5697.0, 5623.0, 5353.0, 5541.0, 5510.0, 5481.0, 5692.0, 5512.0, 5261.0, 5664.0,

						5396.0, 5684.0, 5480.0, 5700.0, 5701.0, 5400.0, 5581.0, 5602.0, 5432.0, 5639.0, 5604.0, 5585.0, 5708.0, 5448.0, 5379.0, 5433.0, 5310.0, 5611.0, 5442.0, 5501.0, 5350.0, 5278.0, 5387.0, 5537.0, 5252.0, 5415.0, 5268.0, 5292.0, 5497.0, 5330.0, 5440.0, 5348.0, 5704.0, 5723.0, 5417.0, 5614.0, 5559.0, 5263.0, 5470.0, 5615.0, 5472.0, 5515.0, 5262.0, 5358.0, 5657.0, 5393.0, 5517.0, 5405.0, 5577.0, 5711.0, 5677.0, 5260.0, 5503.0, 5609.0, 5633.0, 5654.0, 5621.0, 5317.0, 5526.0, 5564.0, 5479.0, 5451.0, 5529.0, 5487.0, 5703.0, 5504.0, 5505.0, 5462.0, 5713.0, 5416.0 (number of hits: 10)
28	5510	9	1	333	1	5434.0, 5491.0, 5392.0, 5532.0, 5677.0, 5492.0, 5718.0, 5393.0, 5309.0, 5367.0, 5420.0, 5274.0, 5589.0, 5607.0, 5629.0, 5506.0, 5400.0, 5307.0, 5673.0, 5289.0, 5427.0, 5714.0, 5527.0, 5354.0, 5260.0, 5485.0, 5639.0, 5521.0, 5423.0, 5421.0, 5712.0, 5561.0, 5619.0, 5707.0, 5490.0, 5493.0, 5264.0, 5476.0, 5522.0, 5426.0, 5691.0, 5586.0, 5443.0, 5653.0, 5374.0, 5303.0, 5537.0, 5276.0, 5449.0, 5261.0, 5484.0, 5643.0, 5692.0, 5453.0, 5280.0, 5279.0, 5518.0, 5333.0, 5705.0, 5575.0, 5391.0, 5560.0, 5474.0, 5286.0, 5647.0, 5339.0, 5293.0, 5646.0, 5389.0, 5670.0, 5662.0, 5569.0, 5502.0, 5361.0, 5503.0, 5464.0, 5317.0, 5700.0, 5591.0, 5681.0, 5366.0, 5282.0, 5285.0, 5363.0, 5413.0, 5715.0, 5479.0, 5271.0, 5401.0, 5441.0, 5294.0, 5545.0, 5678.0, 5359.0, 5674.0, 5284.0, 5550.0, 5288.0, 5385.0, 5327.0 (number of hits: 10)
29	5510	9	1	333	1	5295.0, 5596.0, 5359.0, 5654.0, 5536.0, 5466.0, 5657.0, 5288.0, 5259.0, 5451.0, 5699.0, 5661.0, 5693.0, 5629.0, 5337.0, 5628.0, 5276.0, 5410.0, 5301.0, 5427.0, 5610.0, 5557.0, 5402.0, 5562.0, 5461.0, 5310.0, 5677.0, 5559.0, 5601.0, 5452.0, 5308.0, 5358.0, 5347.0, 5585.0, 5438.0, 5540.0, 5502.0, 5497.0, 5317.0, 5600.0, 5368.0, 5617.0, 5256.0, 5376.0, 5444.0, 5267.0, 5389.0, 5338.0, 5307.0, 5349.0, 5422.0, 5269.0, 5595.0, 5528.0, 5625.0, 5443.0, 5353.0, 5437.0, 5681.0, 5646.0, 5331.0, 5675.0, 5469.0, 5504.0, 5491.0, 5529.0, 5379.0, 5509.0, 5686.0, 5519.0, 5687.0, 5579.0, 5553.0, 5430.0, 5481.0, 5576.0, 5627.0, 5702.0, 5705.0, 5537.0, 5634.0, 5406.0, 5521.0, 5520.0, 5583.0, 5531.0, 5637.0, 5441.0, 5612.0, 5542.0, 5319.0, 5260.0, 5388.0, 5656.0, 5264.0, 5682.0, 5270.0, 5697.0, 5468.0, 5447.0 (number of hits: 9)
30	5510	9	1	333	1	5350.0, 5357.0, 5696.0, 5455.0, 5372.0, 5313.0, 5277.0, 5490.0, 5642.0, 5462.0, 5424.0, 5310.0, 5444.0, 5494.0, 5515.0, 5686.0, 5459.0, 5479.0, 5653.0, 5367.0, 5328.0, 5434.0, 5534.0, 5326.0, 5318.0,

						5608.0, 5553.0, 5252.0, 5535.0, 5415.0, 5637.0, 5486.0, 5348.0, 5413.0, 5718.0, 5687.0, 5499.0, 5669.0, 5467.0, 5425.0, 5306.0, 5632.0, 5504.0, 5395.0, 5644.0, 5678.0, 5522.0, 5295.0, 5671.0, 5634.0, 5543.0, 5323.0, 5320.0, 5680.0, 5720.0, 5670.0, 5723.0, 5417.0, 5540.0, 5643.0, 5635.0, 5322.0, 5329.0, 5529.0, 5563.0, 5689.0, 5575.0, 5305.0, 5698.0, 5640.0, 5672.0, 5605.0, 5269.0, 5559.0, 5492.0, 5302.0, 5699.0, 5707.0, 5365.0, 5624.0, 5491.0, 5590.0, 5505.0, 5658.0, 5422.0, 5656.0, 5516.0, 5383.0, 5600.0, 5280.0, 5260.0, 5633.0, 5683.0, 5268.0, 5704.0, 5562.0, 5638.0, 5581.0, 5542.0, 5392.0 (number of hits: 9)

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	86.7 %	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	5530	86	1	618	1
2	5530	68	1	778	1
3	5530	57	1	938	1
4	5530	58	1	918	1
5	5530	67	1	798	1
6	5530	59	1	898	1
7	5530	89	1	598	1
8	5530	72	1	738	1
9	5530	65	1	818	1
10	5530	92	1	578	1
11	5491	83	1	638	0
12	5491	102	1	518	1
13	5491	63	1	838	1
14	5491	95	1	558	1
15	5491	18	1	3066	1
16	5491	27	1	1998	1
17	5491	22	1	2452	1
18	5491	25	1	2115	1
19	5491	18	1	3063	0
20	5491	26	1	2042	1
21	5569	30	1	1775	1
22	5569	19	1	2921	0
23	5569	20	1	2741	1
24	5569	49	1	1095	1
25	5569	25	1	2164	1
26	5569	44	1	1222	1
27	5569	21	1	2635	1
28	5569	21	1	2559	1
29	5569	72	1	734	1
30	5569	29	1	1836	1
Detection Percentage: 90 % (>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	26	2.6	156	1
2	5530	27	4.7	167	1
3	5530	26	2.3	217	0
4	5530	27	1.2	178	1
5	5530	26	1	180	1
6	5530	28	3.8	169	0
7	5530	23	2.2	167	1
8	5530	27	4.6	164	0
9	5530	28	2.7	212	1
10	5530	28	1	160	1
11	5491	24	4.4	181	0
12	5491	28	5	156	1
13	5491	26	2.1	204	0
14	5491	29	3.3	153	1
15	5491	23	1.9	213	0
16	5491	29	3.5	163	0
17	5491	23	2.8	172	0
18	5491	26	3.2	203	1
19	5491	26	2.7	229	1
20	5491	24	2.3	183	1
21	5569	27	1.6	199	0
22	5569	27	1.9	182	1
23	5569	28	1.2	175	1
24	5569	26	3.2	223	1
25	5569	25	4.9	150	1
26	5569	23	3.3	218	1
27	5569	23	2.9	192	1
28	5569	27	4.1	201	0
29	5569	23	4.5	209	1
30	5569	25	2.6	200	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	5530	17	9.5	495	1
2	5530	18	6.1	324	1
3	5530	18	8	493	1
4	5530	18	6.7	500	1
5	5530	17	6.8	384	0
6	5530	17	6.6	287	1
7	5530	17	7.4	227	1
8	5530	18	8.4	352	1
9	5530	16	7.9	278	1
10	5530	16	7.4	437	1
11	5491	18	8.4	349	1
12	5491	17	6.6	329	1
13	5491	17	7.3	316	0
14	5491	16	6.4	400	1
15	5491	17	8.8	475	1
16	5491	17	9	315	0
17	5491	18	7.7	265	1
18	5491	17	6.7	395	1
19	5491	18	6.5	277	1
20	5491	18	9.5	331	1
21	5569	17	8.3	302	1
22	5569	16	7.2	225	0
23	5569	17	10	261	1
24	5569	17	8.7	394	1
25	5569	16	7.4	500	1
26	5569	17	6.3	379	0
27	5569	17	9.4	297	1
28	5569	17	7.5	430	1
29	5569	17	7.6	376	0
30	5569	16	6.3	283	1
Detection Percentage: 80 % (>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	345	1
2	5530	15	14.7	369	1
3	5530	12	14.1	293	1
4	5530	14	16.3	333	1
5	5530	16	12.2	368	1
6	5530	13	16.9	347	1
7	5530	13	16.9	346	1
8	5530	12	11.1	432	0
9	5530	15	13.3	236	1
10	5530	15	12.9	252	1
11	5491	12	16.2	490	1
12	5491	15	14.7	306	1
13	5491	16	12.9	450	1
14	5491	12	14.2	486	1
15	5491	13	11.3	288	1
16	5491	13	19	296	0
17	5491	13	13.1	303	1
18	5491	14	18.5	382	1
19	5491	14	18.4	372	1
20	5491	12	15.4	312	1
21	5569	13	16.6	218	1
22	5569	13	11.9	431	1
23	5569	12	12.2	264	1
24	5569	14	18.6	381	0
25	5569	16	17.8	395	1
26	5569	15	13.8	499	1
27	5569	15	15.3	290	0
28	5569	13	11.4	380	1
29	5569	16	16.8	422	1
30	5569	13	15.1	328	1
Detection Percentage: 86.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5495.0	1
12	5496.2	1
13	5497.8	1
14	5496.6	1
15	5497.8	1
16	5495.8	1
17	5495.4	1
18	5497.0	1
19	5495.8	1
20	5494.2	1
21	5563.0	1
22	5565.4	1
23	5565.4	1
24	5563.4	1
25	5563.8	1
26	5565.8	1
27	5566.2	1
28	5561.4	1
29	5565.8	1
30	5565.0	1
Detection Percentage: 100% (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	77.7	1678	1919	0.454465	1
1	1	15	99.6			0.697314	
2	3	15	96.3	1084	1673	1.494785	
3	1	15	75.9			2.008633	
4	2	15	77	1145		2.472661	
5	2	15	93.7	1940		3.505581	
6	2	15	67.2	1981		3.899129	
7	2	15	76.7	1182		4.313397	
8	2	15	69.7	1009		5.202156	
9	3	15	75.7	1597	1484	5.969925	
10	3	15	90.2	1666	1216	6.064682	
11	1	15	57.8			7.181182	
12	1	15	79.3			7.570391	
13	2	15	51.8	1230		8.252967	
14	1	15	59.9			8.823695	
15	1	15	63.4			9.137849	
16	2	15	67.7	1102		10.154976	
17	3	15	55.6	1083	1539	10.704547	
18	2	15	98	1788		11.327287	
19	3	15	96.4	1376	1609	11.496144	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	67.5	1180		0.336586	
1	2	6	50.7	1201		1.147057	
2	1	6	99.2			2.044741	
3	1	6	83.5			2.190514	
4	2	6	53.5	1282		3.454674	
5	1	6	60.1			4.061409	
6	1	6	52.1			4.386637	
7	2	6	78.6	1015		5.047632	
8	3	6	98.3	1771	1340	6.208457	1
9	1	6	69.9			6.382924	
10	2	6	96.2	1477		7.281091	
11	2	6	56.5	1757		7.8823	
12	3	6	53.9	1038	1074	8.984146	
13	3	6	57.5	1940	1600	9.316372	
14	2	6	72.4	1775		10.401296	
15	3	6	56	1100	1655	10.642264	
16	1	6	60			11.857224	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	79.4	1053	1096	0.79878	
1	1	7	68.3			2.431838	
2	2	7	84.8	1745		3.546099	
3	3	7	91.2	1805	1729	4.384698	
4	1	7	54			5.851838	1
5	3	7	53	1311	1938	7.224669	
6	2	7	62.2	1138		8.390991	
7	1	7	89.1			9.600267	
8	2	7	98.8	1174		11.87903	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	93.4	1514		0.706962	1
1	3	8	67.8	1015	1952	2.353268	
2	2	8	68.9	1079		3.17584	
3	1	8	77.4			3.760353	
4	3	8	80.5	1635	1069	5.889076	
5	3	8	65.8	1344	1319	6.327331	
6	2	8	61.5	1340		7.86421	
7	2	8	74	1135		8.71168	
8	2	8	71.8	1725		9.632154	
9	3	8	62.4	1144	1815	11.356251	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	72.7	1214		0.315248	1
1	2	13	100	1186		0.965503	
2	2	13	66.4	1457		1.842181	
3	1	13	90.8			2.877345	
4	2	13	72.3	1042		3.296684	
5	2	13	88.9	1969		4.663945	
6	1	13	63			5.254612	
7	1	13	88.9			5.677867	
8	1	13	77.8			6.669907	
9	1	13	67.3			7.761747	
10	3	13	84.7	1679	1928	8.500191	
11	2	13	68.3	1979		9.072232	
12	3	13	94.2	1133	1054	10.32929	
13	3	13	53.9	1396	1408	10.994743	
14	2	13	58.2	1947		11.597302	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	85.5	1436		0.915114	1
1	2	11	65.3	1592		1.683378	
2	2	11	73.7	1105		2.548998	
3	2	11	51.6	1946		4.665864	
4	1	11	66.8			5.054773	
5	2	11	89.4	1003		6.5631	
6	2	11	66.9	1631		7.313387	
7	2	11	71.5	1227		9.29111	
8	3	11	53.9	1215	1746	10.067513	
9	2	11	74.1	1697		10.872852	

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	84.6	1291		0.286463	1
1	1	11	86.5			1.298048	
2	2	11	99.3	1457		1.856932	
3	2	11	68.1	1844		2.272697	
4	3	11	57.7	1263	1249	2.864915	
5	1	11	74			3.917907	
6	2	11	92.6	1597		4.439988	
7	2	11	74.9	1391		5.31987	
8	2	11	74.8	1100		6.216434	
9	2	11	74.1	1093		6.526665	
10	3	11	98.5	1799	1251	7.252671	
11	2	11	79.2	1810		8.382543	
12	3	11	74.5	1167	1424	8.766726	
13	3	11	66.7	1276	1840	9.800358	
14	1	11	67.9			10.313437	
15	2	11	90.8	1363		10.883676	
16	3	11	57.5	1806	1834	11.671621	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	87.5	1527		0.534205	1
1	1	15	78.5			0.850439	
2	1	15	85.6			1.765839	
3	2	15	69.8	1600		2.818097	
4	2	15	50.9	1090		3.337118	
5	3	15	76.3	1528	1591	4.497947	
6	3	15	83	1566	1367	5.215589	
7	2	15	58.1	1889		6.018279	
8	1	15	93.3			7.105018	
9	3	15	87.6	1922	1377	7.874093	
10	3	15	69.4	1437	1585	8.001952	
11	2	15	54.4	1318		8.829436	
12	3	15	71.7	1676	1301	10.15226	
13	3	15	66.8	1447	1026	10.595238	
14	3	15	82.1	1891	1751	11.349019	

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	12	94.1			0.193922	1
1	2	12	76.4	1398		1.28381	
2	2	12	90.3	1069		2.525017	
3	1	12	58.6			3.693148	
4	2	12	74.4	1611		4.435487	
5	2	12	59.1	1923		5.930644	
6	2	12	73.8	1502		7.144757	
7	1	12	89.6			8.478327	
8	2	12	94.9	1444		8.732693	
9	1	12	95.3			9.831718	
10	3	12	79.4	1866	1836	11.604727	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	70.4	1380		0.085363	1
1	2	9	96.4	1351		0.847916	
2	1	9	59			1.333699	
3	3	9	54.6	1994	1146	1.814998	
4	1	9	64.7			2.844161	
5	1	9	93.3			3.338836	
6	3	9	53.3	1995	1801	3.8789	
7	1	9	85.5			4.718959	
8	2	9	65.5	1302		5.125108	
9	2	9	90.8	1118		5.785325	
10	1	9	71.9			6.446318	
11	1	9	70.9			7.16679	
12	2	9	90.2	1225		7.786788	
13	2	9	86.3	1805		8.231503	
14	3	9	72.4	1189	1706	8.677714	
15	2	9	99.7	1668		9.49765	
16	1	9	56.6			9.627397	
17	2	9	81.3	1497		10.27787	
18	2	9	96.9	1837		11.300939	
19	2	9	72.7	1675		11.59748	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	78.7	1052		0.165186	
1	2	10	58.2	1626		0.8226	
2	2	10	58	1256		1.815502	
3	1	10	93.6			2.37653	
4	1	10	52.5			2.559359	
5	1	10	56.2			3.188085	
6	2	10	74.3	1127		4.104189	
7	1	10	89.8			4.613135	
8	2	10	83.9	1906		5.529471	
9	1	10	95.1			6.226884	1
10	2	10	71.4	1028		6.54366	
11	2	10	85	1116		7.163939	
12	3	10	56.1	1690	1450	8.176628	
13	2	10	88.2	1799		8.212834	
14	2	10	67.6	1693		9.20641	
15	3	10	55.3	1171	1642	10.065526	
16	3	10	55.4	1614	1613	10.260744	
17	2	10	54.6	1134		11.130797	
18	2	10	73.7	1991		11.407671	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	51.7	1320		0.422454	
1	2	13	51.9	1485		0.780926	
2	3	13	66.4	1860	1185	1.455985	
3	3	13	62.7	1736	1755	2.313757	
4	2	13	91.5	1648		2.913123	
5	1	13	67.6			3.60074	
6	1	13	93.4			4.322331	
7	3	13	54.9	1198	1281	4.866556	
8	1	13	70			5.915437	1
9	1	13	55.5			6.658202	
10	3	13	57.5	1491	1119	7.097876	
11	1	13	86			7.922676	
12	2	13	96.9	1945		8.261692	
13	2	13	96.7	1333		9.013037	
14	2	13	60.8	1380		9.821704	
15	1	13	92.4			10.607629	
16	2	13	55.6	1680		11.238085	
17	2	13	58.9	1148		11.567941	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	70.4	1020		1.121344	
1	2	17	62.3	1209		1.419318	
2	2	17	69.5	1035		3.517605	
3	3	17	81.3	1297	1717	4.678082	
4	3	17	59.8	1357	1483	5.721844	1
5	2	17	80.5	1281		7.37	
6	2	17	90.5	1162		8.537144	
7	1	17	56.1			9.856687	
8	3	17	92.5	1235	1160	10.801832	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	85.9	1565		0.318652	
1	2	14	93.3	1806		1.144579	
2	2	14	76.9	1455		2.58072	
3	2	14	63.8	1357		3.953116	
4	1	14	62.2			4.870263	
5	1	14	77.8			5.677818	1
6	2	14	92.4	1519		7.326922	
7	2	14	58.8	1989		8.405772	
8	1	14	60.6			9.791375	
9	2	14	73.6	1162		9.925385	
10	3	14	65.9	1357	1438	11.776977	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	81.9	1707	1728	0.635488	
1	2	17	54.3	1680		1.640201	
2	2	17	84.9	1195		2.3013	
3	1	17	82.8			2.636531	
4	2	17	80.4	1942		3.496909	
5	1	17	78.3			4.932188	
6	2	17	99.8	1800		5.330397	
7	3	17	93.8	1366	1474	6.021698	1
8	1	17	72.5			7.16151	
9	1	17	73.5			8.501448	
10	1	17	98.1			9.040858	
11	2	17	64.9	1409		9.958359	
12	2	17	72.3	1399		10.398925	
13	3	17	56.6	1795	1170	11.958522	

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	54.7			0.654788	1
1	2	12	64.3	1962		1.304046	
2	2	12	79.1	1449		1.891011	
3	2	12	98.7	1003		2.759273	
4	3	12	60.3	1517	1183	4.150364	
5	2	12	53.4	1438		4.924254	
6	2	12	62.8	1800		5.812772	
7	1	12	69.2			6.22296	
8	2	12	63.9	1730		7.392968	
9	1	12	92.1			7.917247	
10	3	12	86.3	1952	1690	8.877718	
11	3	12	63.3	1505	1073	9.740963	
12	2	12	89.8	1786		10.788249	
13	2	12	68.7	1575		11.843685	

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	11	70.7			0.361722	1
1	2	11	81.4	1569		1.533953	
2	1	11	71.2			2.095729	
3	2	11	59.9	1103		3.353448	
4	1	11	84.6			4.340935	
5	2	11	72.4	1912		4.664337	
6	2	11	77.6	1852		6.160965	
7	3	11	76.2	1258	1572	6.997341	
8	2	11	89.5	1072		8.060263	
9	2	11	76.7	1501		8.831092	
10	3	11	92.3	1768	1720	10.142043	
11	2	11	88.1	1891		11.050066	
12	2	11	96.2	1851		11.886322	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	50.2	1295		0.089568	1
1	2	15	63.5	1296		1.301203	
2	1	15	79.1			1.871797	
3	2	15	65.3	1987		2.067514	
4	1	15	83.5			3.056718	
5	2	15	56.5	1157		3.536038	
6	3	15	60.8	1152	1288	4.502951	
7	1	15	61.4			4.894231	
8	2	15	79.7	1549		5.789035	
9	2	15	63.4	1620		6.008836	
10	2	15	87.2	1975		6.945402	
11	2	15	90.2	1472		7.870944	
12	2	15	66.8	1438		8.35987	
13	2	15	85	1375		9.218038	
14	2	15	94.1	1601		9.930699	
15	2	15	54.3	1092		10.17884	
16	3	15	55.9	1832	1606	11.067115	
17	3	15	75.1	1392	1185	11.865081	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	52.7			0.016681	1
1	1	12	54.9			1.33011	
2	3	12	69.8	1910	1107	2.435742	
3	2	12	86.8	1003		3.999515	
4	1	12	80.4			5.014594	
5	2	12	68.3	1414		6.652779	
6	1	12	58.6			7.45106	
7	1	12	77.4			8.992123	
8	3	12	61.2	1574	1979	10.4074	
9	1	12	76			11.273698	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	94.4	1858	1275	0.092495	1
1	2	8	86.7	1704		1.526988	
2	2	8	65.2	1477		3.146223	
3	2	8	65.5	1649		4.629832	
4	2	8	77	1889		4.98002	
5	2	8	82.6	1415		6.104667	
6	1	8	56.1			8.234119	
7	3	8	73.8	1218	1445	9.448008	
8	1	8	72			10.029635	
9	3	8	84.3	1206	1854	11.683592	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	54.1	1170		0.36097	1
1	2	15	61.7	1532		1.266035	
2	2	15	98.6	1453		1.808823	
3	3	15	80	1629	1353	2.053218	
4	3	15	72.4	1575	1725	2.983989	
5	2	15	99.9	1731		3.615898	
6	2	15	52	1357		4.590988	
7	3	15	69.4	1222	1659	4.784327	
8	2	15	94.2	1643		5.989132	
9	2	15	83.5	1565		6.110017	
10	2	15	51.3	1572		6.733031	
11	3	15	63.8	1498	1824	7.966357	
12	2	15	56.3	1209		8.509027	
13	2	15	66.4	1718		8.988593	
14	2	15	62.9	1338		9.683359	
15	1	15	51.2			10.52192	
16	2	15	75.5	1887		11.246358	
17	3	15	95.6	1731	1775	11.414665	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	68.8	1032		0.374948	
1	2	9	88.4	1057		0.966211	
2	3	9	97.4	1020	1455	1.429576	
3	1	9	83.6			1.982757	
4	1	9	78.5			2.864388	
5	3	9	67	1722	1223	3.740627	
6	2	9	92	1244		4.305158	
7	2	9	88.7	1582		4.796252	
8	2	9	51.2	1782		5.367894	
9	1	9	72.5			6.053203	1
10	3	9	78.9	1870	1458	6.6515	
11	2	9	65.8	1476		7.518422	
12	3	9	83	1282	1937	7.746047	
13	1	9	65.7			8.832198	
14	3	9	68.8	1151	1436	9.466324	
15	1	9	70.1			10.004459	
16	3	9	57.6	1933	1579	10.388058	
17	2	9	86.5	1526		10.75824	
18	1	9	99			11.708736	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	52	1550	1038	0.026905	
1	2	9	51.5	1929		1.397562	
2	2	9	62.7	1352		2.678698	
3	3	9	59.7	1286	1132	3.244403	
4	3	9	57.3	1762	1080	4.05884	
5	3	9	82.1	1910	1816	5.564312	
6	3	9	83.4	1695	1695	6.508596	1
7	2	9	51.8	1394		7.727538	
8	1	9	65.9			8.124714	
9	1	9	71.9			9.696735	
10	2	9	62.7	1393		10.447117	
11	2	9	78.9	1660		11.653195	

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	14	59.6			0.201569	1
1	2	14	69.8	1374		0.893276	
2	2	14	72.4	1602		1.684555	
3	2	14	88.6	1993		2.637325	
4	1	14	94.8			3.014829	
5	2	14	70.7	1641		3.389587	
6	2	14	70.6	1854		4.480388	
7	2	14	92.6	1308		4.909478	
8	2	14	87.8	1565		5.810556	
9	2	14	82	1311		6.019395	
10	2	14	58.1	1084		6.792048	
11	2	14	58.4	1582		7.869226	
12	2	14	98.8	1862		8.598629	
13	3	14	89	1855	1449	9.300188	
14	1	14	90			9.606804	
15	1	14	96.5			10.579296	
16	2	14	56.2	1688		10.836026	
17	3	14	77.5	1770	1377	11.822027	

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	60.6	1915	1438	0.244545	1
1	2	13	84.8	1753		1.171792	
2	2	13	85	1021		1.988953	
3	3	13	60.3	1113	1436	2.162733	
4	2	13	95.5	1528		2.979232	
5	2	13	57.9	1427		3.936363	
6	2	13	71.8	1446		4.444191	
7	2	13	90.4	1150		4.669066	
8	2	13	58.3	1284		5.46557	
9	3	13	80.2	1960	1204	6.426608	
10	2	13	66.4	1669		7.302307	
11	2	13	66	1574		7.945928	
12	2	13	60.2	1281		8.096445	
13	3	13	70.6	1054	1842	9.010281	
14	2	13	90.9	1043		9.869183	
15	1	13	55.5			10.627089	
16	3	13	98.2	1121	1778	10.885756	
17	2	13	71.2	1556		11.422819	

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	8	96.5			0.477648	
1	2	8	62.7	1684		0.798097	
2	1	8	72.5			1.595843	
3	2	8	54.9	1616		2.464185	
4	3	8	84.2	1582	1028	2.739617	
5	2	8	53.2	1844		3.169632	
6	1	8	56.9			3.944765	
7	1	8	51.7			4.440424	
8	2	8	55.4	1015		5.10202	
9	3	8	89.6	1138	1081	6.108418	1
10	1	8	72.7			6.882135	
11	3	8	88.9	1346	1580	7.533338	
12	1	8	93.2			7.884687	
13	2	8	81	1018		8.554971	
14	1	8	92.7			8.849438	
15	3	8	95.2	1192	1944	9.986095	
16	2	8	77.6	1818		10.261571	
17	1	8	50.4			11.028185	
18	2	8	90.6	1393		11.832245	

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	75.6	1173		0.561402	
1	3	7	73.6	1578	1504	1.195643	
2	2	7	74.4	1326		1.629985	
3	2	7	77.7	1794		1.94444	
4	2	7	69.7	1741		2.581199	
5	2	7	71.7	1921		3.517796	
6	3	7	93.9	1782	1184	3.946449	
7	1	7	61.7			4.776137	
8	2	7	95.2	1660		5.094303	
9	2	7	66.8	1842		6.248616	1
10	2	7	83.4	1553		6.480692	
11	2	7	87.8	1011		7.523606	
12	2	7	54.2	1344		7.724792	
13	2	7	77.2	1835		8.328214	
14	2	7	75.8	1594		9.052622	
15	1	7	92.3			9.655377	
16	2	7	71.6	1516		10.664656	
17	2	7	66.4	1557		10.81396	
18	3	7	82	1954	1339	11.826201	

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	19	95.5	1160		0.393211	1
1	2	19	51.6	1004		1.136272	
2	1	19	98			1.643168	
3	2	19	80.3	1056		2.23959	
4	3	19	53.9	1907	1905	2.552168	
5	2	19	91.7	1252		3.045066	
6	3	19	66.9	1110	1924	3.633766	
7	1	19	73			4.502849	
8	2	19	82.8	1111		5.2539	
9	1	19	53.2			5.419147	
10	3	19	86.6	1158	1459	6.19232	
11	2	19	93.2	1382		7.059158	
12	1	19	75.6			7.365148	
13	2	19	96.9	1807		7.914333	
14	2	19	79.1	1891		8.755901	
15	2	19	97.7	1576		9.009863	
16	2	19	91.1	1843		9.762857	
17	2	19	98.7	1559		10.416228	
18	2	19	77.2	1052		11.119829	
19	1	19	79.3			11.41967	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	72.1	1271		0.904671	1
1	1	8	90.4			2.16096	
2	2	8	87.2	1392		2.81958	
3	1	8	67.7			3.749357	
4	1	8	91			4.819863	
5	1	8	74.4			6.458467	
6	1	8	66.2			6.979074	
7	3	8	85.5	1338	1263	8.068722	
8	1	8	97.4			9.547633	
9	3	8	60.3	1133	1751	10.580275	
10	3	8	55.2	1505	1949	11.337403	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	57.5	1728		0.036515	1
1	3	10	97.7	1071	1828	2.025526	
2	2	10	82	1958		3.493134	
3	2	10	93.8	1911		3.797161	
4	1	10	81.6			5.081723	
5	2	10	88.4	1573		6.06401	
6	2	10	83.1	1231		8.086025	
7	1	10	82.1			9.141985	
8	2	10	66.8	1970		9.952868	
9	1	10	54.4			11.675211	

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	5575.0, 5639.0, 5707.0, 5678.0, 5341.0, 5356.0, 5475.0, 5293.0, 5363.0, 5609.0, 5453.0, 5431.0, 5486.0, 5333.0, 5266.0, 5369.0, 5283.0, 5358.0, 5387.0, 5440.0, 5416.0, 5521.0, 5447.0, 5696.0, 5529.0, 5625.0, 5706.0, 5288.0, 5417.0, 5545.0, 5588.0, 5703.0, 5344.0, 5471.0, 5714.0, 5267.0, 5686.0, 5592.0, 5667.0, 5559.0, 5646.0, 5275.0, 5544.0, 5366.0, 5636.0, 5320.0, 5399.0, 5571.0, 5454.0, 5422.0, 5467.0, 5567.0, 5577.0, 5668.0, 5626.0, 5608.0, 5674.0, 5496.0, 5604.0, 5550.0, 5638.0, 5673.0, 5404.0, 5314.0, 5321.0, 5427.0, 5570.0, 5566.0, 5552.0, 5357.0, 5565.0, 5517.0, 5558.0, 5445.0, 5515.0, 5313.0, 5380.0, 5499.0, 5586.0, 5546.0, 5326.0, 5505.0, 5295.0, 5506.0, 5272.0, 5580.0, 5535.0, 5274.0, 5468.0, 5306.0, 5316.0, 5300.0, 5649.0, 5520.0, 5687.0, 5280.0, 5318.0, 5428.0, 5569.0, 5498.0 (number of hits: 21)
2	5530	9	1	333	1	5311.0, 5588.0, 5695.0, 5279.0, 5700.0, 5506.0, 5632.0, 5629.0, 5457.0, 5702.0, 5713.0, 5658.0, 5540.0, 5582.0, 5295.0, 5387.0, 5483.0, 5604.0, 5490.0, 5265.0, 5608.0, 5626.0, 5272.0, 5424.0, 5598.0, 5440.0, 5336.0, 5485.0, 5477.0, 5641.0, 5468.0, 5525.0, 5712.0, 5345.0, 5309.0, 5427.0, 5590.0, 5280.0, 5426.0, 5650.0, 5643.0, 5564.0, 5567.0, 5446.0, 5602.0, 5599.0, 5624.0, 5432.0, 5256.0, 5428.0, 5271.0, 5563.0, 5657.0, 5254.0, 5276.0, 5378.0, 5549.0, 5367.0, 5326.0, 5627.0, 5402.0, 5600.0, 5556.0, 5358.0, 5720.0, 5574.0, 5320.0, 5583.0, 5325.0, 5451.0, 5250.0, 5710.0, 5307.0, 5342.0, 5377.0, 5607.0, 5636.0, 5410.0, 5693.0, 5406.0, 5448.0, 5435.0, 5500.0, 5721.0, 5669.0, 5439.0, 5541.0, 5344.0, 5333.0, 5651.0, 5453.0, 5286.0, 5523.0, 5642.0, 5359.0, 5531.0, 5646.0, 5498.0, 5517.0, 5621.0 (number of hits: 14)
3	5530	9	1	333	1	5507.0, 5607.0, 5463.0, 5609.0, 5363.0, 5320.0, 5595.0, 5634.0, 5706.0, 5689.0, 5314.0, 5593.0, 5544.0, 5372.0, 5695.0, 5369.0, 5330.0, 5360.0, 5585.0, 5496.0, 5531.0, 5367.0, 5404.0, 5317.0, 5701.0, 5713.0, 5675.0, 5606.0, 5421.0, 5450.0, 5389.0, 5281.0, 5328.0, 5481.0, 5613.0, 5512.0, 5565.0, 5251.0, 5633.0, 5705.0, 5379.0, 5703.0, 5439.0, 5382.0, 5332.0, 5282.0, 5310.0, 5715.0, 5641.0, 5390.0, 5556.0, 5547.0, 5581.0, 5516.0, 5340.0, 5349.0, 5359.0, 5264.0, 5457.0, 5478.0, 5433.0, 5668.0, 5711.0, 5297.0, 5444.0, 5277.0, 5309.0, 5615.0, 5431.0, 5552.0,

						5714.0, 5441.0, 5452.0, 5541.0, 5710.0, 5255.0, 5333.0, 5536.0, 5378.0, 5670.0, 5399.0, 5447.0, 5469.0, 5460.0, 5483.0, 5436.0, 5348.0, 5289.0, 5269.0, 5476.0, 5673.0, 5549.0, 5500.0, 5657.0, 5562.0, 5505.0, 5568.0, 5485.0, 5331.0, 5678.0 (number of hits: 17)
4	5530	9	1	333	1	5304.0, 5450.0, 5485.0, 5276.0, 5406.0, 5587.0, 5506.0, 5361.0, 5622.0, 5637.0, 5410.0, 5636.0, 5353.0, 5539.0, 5504.0, 5518.0, 5576.0, 5446.0, 5305.0, 5693.0, 5686.0, 5503.0, 5633.0, 5533.0, 5383.0, 5388.0, 5580.0, 5509.0, 5608.0, 5377.0, 5554.0, 5312.0, 5262.0, 5432.0, 5613.0, 5308.0, 5611.0, 5356.0, 5367.0, 5375.0, 5315.0, 5295.0, 5719.0, 5337.0, 5468.0, 5579.0, 5294.0, 5402.0, 5269.0, 5609.0, 5301.0, 5350.0, 5412.0, 5697.0, 5282.0, 5656.0, 5267.0, 5578.0, 5352.0, 5391.0, 5583.0, 5715.0, 5604.0, 5666.0, 5279.0, 5501.0, 5291.0, 5336.0, 5700.0, 5497.0, 5546.0, 5597.0, 5467.0, 5600.0, 5300.0, 5523.0, 5456.0, 5460.0, 5661.0, 5363.0, 5382.0, 5704.0, 5714.0, 5646.0, 5428.0, 5645.0, 5596.0, 5405.0, 5577.0, 5687.0, 5655.0, 5475.0, 5340.0, 5328.0, 5398.0, 5513.0, 5642.0, 5288.0, 5296.0, 5575.0 (number of hits: 13)
5	5530	9	1	333	1	5405.0, 5513.0, 5634.0, 5378.0, 5654.0, 5629.0, 5643.0, 5455.0, 5454.0, 5533.0, 5446.0, 5690.0, 5621.0, 5393.0, 5659.0, 5351.0, 5264.0, 5371.0, 5404.0, 5674.0, 5685.0, 5668.0, 5337.0, 5571.0, 5623.0, 5567.0, 5662.0, 5443.0, 5368.0, 5388.0, 5267.0, 5613.0, 5324.0, 5296.0, 5553.0, 5570.0, 5699.0, 5673.0, 5648.0, 5301.0, 5373.0, 5569.0, 5494.0, 5503.0, 5642.0, 5403.0, 5491.0, 5336.0, 5676.0, 5687.0, 5286.0, 5375.0, 5660.0, 5470.0, 5495.0, 5523.0, 5603.0, 5386.0, 5399.0, 5389.0, 5440.0, 5468.0, 5338.0, 5453.0, 5527.0, 5546.0, 5702.0, 5511.0, 5298.0, 5396.0, 5560.0, 5543.0, 5697.0, 5664.0, 5340.0, 5283.0, 5716.0, 5294.0, 5415.0, 5428.0, 5646.0, 5677.0, 5478.0, 5713.0, 5297.0, 5432.0, 5295.0, 5615.0, 5410.0, 5492.0, 5718.0, 5630.0, 5252.0, 5359.0, 5575.0, 5438.0, 5397.0, 5609.0, 5413.0, 5449.0 (number of hits: 15)
6	5530	9	1	333	1	5626.0, 5506.0, 5421.0, 5382.0, 5402.0, 5674.0, 5661.0, 5656.0, 5663.0, 5358.0, 5576.0, 5348.0, 5692.0, 5510.0, 5634.0, 5614.0, 5299.0, 5251.0, 5502.0, 5607.0, 5404.0, 5367.0, 5716.0, 5689.0, 5351.0, 5341.0, 5533.0, 5300.0, 5615.0, 5386.0, 5723.0, 5436.0, 5459.0, 5522.0, 5279.0, 5318.0, 5326.0, 5571.0, 5460.0, 5491.0, 5283.0, 5691.0, 5316.0, 5562.0, 5451.0, 5457.0, 5715.0, 5260.0, 5633.0, 5608.0, 5330.0, 5511.0, 5567.0, 5494.0, 5654.0, 5441.0, 5285.0, 5519.0, 5532.0, 5413.0, 5281.0, 5570.0, 5625.0, 5485.0, 5471.0,

						5444.0, 5438.0, 5680.0, 5631.0, 5477.0, 5343.0, 5401.0, 5394.0, 5602.0, 5677.0, 5469.0, 5515.0, 5653.0, 5434.0, 5675.0, 5679.0, 5393.0, 5425.0, 5605.0, 5610.0, 5657.0, 5678.0, 5641.0, 5513.0, 5719.0, 5270.0, 5531.0, 5291.0, 5428.0, 5420.0, 5500.0, 5408.0, 5696.0, 5647.0, 5293.0 (number of hits: 16)
7	5530	9	1	333	1	5544.0, 5339.0, 5306.0, 5705.0, 5556.0, 5438.0, 5643.0, 5259.0, 5324.0, 5358.0, 5254.0, 5255.0, 5385.0, 5650.0, 5347.0, 5311.0, 5543.0, 5634.0, 5273.0, 5417.0, 5376.0, 5541.0, 5483.0, 5684.0, 5502.0, 5647.0, 5657.0, 5572.0, 5625.0, 5292.0, 5427.0, 5436.0, 5282.0, 5423.0, 5270.0, 5380.0, 5433.0, 5700.0, 5283.0, 5351.0, 5664.0, 5325.0, 5548.0, 5537.0, 5719.0, 5602.0, 5523.0, 5488.0, 5334.0, 5402.0, 5258.0, 5646.0, 5580.0, 5326.0, 5328.0, 5343.0, 5397.0, 5396.0, 5534.0, 5514.0, 5352.0, 5412.0, 5713.0, 5321.0, 5460.0, 5704.0, 5312.0, 5470.0, 5304.0, 5485.0, 5508.0, 5432.0, 5444.0, 5455.0, 5564.0, 5586.0, 5257.0, 5307.0, 5345.0, 5652.0, 5473.0, 5668.0, 5540.0, 5479.0, 5492.0, 5477.0, 5698.0, 5354.0, 5695.0, 5562.0, 5378.0, 5676.0, 5443.0, 5487.0, 5357.0, 5395.0, 5567.0, 5359.0, 5447.0, 5569.0 (number of hits: 16)
8	5530	9	1	333	1	5408.0, 5489.0, 5400.0, 5621.0, 5317.0, 5273.0, 5595.0, 5690.0, 5629.0, 5484.0, 5639.0, 5638.0, 5328.0, 5374.0, 5700.0, 5358.0, 5326.0, 5625.0, 5314.0, 5263.0, 5603.0, 5548.0, 5553.0, 5415.0, 5719.0, 5357.0, 5425.0, 5589.0, 5453.0, 5671.0, 5460.0, 5469.0, 5528.0, 5370.0, 5552.0, 5661.0, 5599.0, 5675.0, 5527.0, 5602.0, 5467.0, 5421.0, 5436.0, 5335.0, 5265.0, 5504.0, 5584.0, 5346.0, 5501.0, 5676.0, 5616.0, 5550.0, 5536.0, 5701.0, 5333.0, 5626.0, 5622.0, 5617.0, 5564.0, 5578.0, 5405.0, 5631.0, 5516.0, 5311.0, 5486.0, 5632.0, 5714.0, 5567.0, 5540.0, 5455.0, 5283.0, 5532.0, 5299.0, 5561.0, 5554.0, 5478.0, 5475.0, 5560.0, 5365.0, 5645.0, 5463.0, 5338.0, 5318.0, 5325.0, 5591.0, 5324.0, 5697.0, 5272.0, 5686.0, 5513.0, 5294.0, 5514.0, 5702.0, 5362.0, 5399.0, 5427.0, 5330.0, 5315.0, 5576.0, 5367.0 (number of hits: 19)
9	5530	9	1	333	1	5563.0, 5570.0, 5559.0, 5585.0, 5289.0, 5591.0, 5464.0, 5573.0, 5628.0, 5519.0, 5635.0, 5498.0, 5455.0, 5514.0, 5363.0, 5322.0, 5592.0, 5648.0, 5601.0, 5670.0, 5361.0, 5274.0, 5425.0, 5271.0, 5637.0, 5558.0, 5574.0, 5433.0, 5692.0, 5480.0, 5350.0, 5686.0, 5702.0, 5427.0, 5479.0, 5391.0, 5706.0, 5496.0, 5674.0, 5459.0, 5260.0, 5482.0, 5693.0, 5327.0, 5572.0, 5521.0, 5466.0, 5314.0, 5527.0, 5446.0, 5324.0, 5667.0, 5470.0, 5264.0, 5428.0, 5298.0, 5658.0, 5717.0, 5429.0, 5323.0,

						5543.0, 5346.0, 5356.0, 5417.0, 5266.0, 5390.0, 5500.0, 5312.0, 5367.0, 5569.0, 5415.0, 5578.0, 5338.0, 5278.0, 5406.0, 5642.0, 5625.0, 5641.0, 5377.0, 5499.0, 5542.0, 5699.0, 5512.0, 5624.0, 5475.0, 5626.0, 5581.0, 5566.0, 5328.0, 5495.0, 5539.0, 5662.0, 5287.0, 5533.0, 5604.0, 5341.0, 5403.0, 5481.0, 5478.0, 5440.0 (number of hits: 18)
10	5530	9	1	333	1	5401.0, 5377.0, 5459.0, 5341.0, 5337.0, 5262.0, 5568.0, 5565.0, 5410.0, 5400.0, 5545.0, 5453.0, 5697.0, 5379.0, 5478.0, 5586.0, 5284.0, 5373.0, 5560.0, 5405.0, 5536.0, 5429.0, 5530.0, 5666.0, 5653.0, 5325.0, 5288.0, 5294.0, 5677.0, 5505.0, 5685.0, 5574.0, 5467.0, 5705.0, 5542.0, 5252.0, 5289.0, 5364.0, 5413.0, 5446.0, 5350.0, 5708.0, 5598.0, 5312.0, 5713.0, 5298.0, 5277.0, 5601.0, 5633.0, 5659.0, 5458.0, 5597.0, 5498.0, 5651.0, 5389.0, 5625.0, 5380.0, 5257.0, 5455.0, 5551.0, 5314.0, 5474.0, 5292.0, 5274.0, 5549.0, 5622.0, 5280.0, 5635.0, 5336.0, 5416.0, 5676.0, 5562.0, 5489.0, 5272.0, 5683.0, 5577.0, 5491.0, 5582.0, 5661.0, 5479.0, 5720.0, 5332.0, 5260.0, 5470.0, 5523.0, 5310.0, 5563.0, 5555.0, 5322.0, 5519.0, 5513.0, 5650.0, 5689.0, 5687.0, 5490.0, 5369.0, 5695.0, 5572.0, 5508.0, 5449.0 (number of hits: 19)
11	5530	9	1	333	1	5457.0, 5601.0, 5493.0, 5528.0, 5498.0, 5342.0, 5505.0, 5292.0, 5541.0, 5435.0, 5297.0, 5395.0, 5526.0, 5501.0, 5673.0, 5587.0, 5266.0, 5392.0, 5520.0, 5583.0, 5620.0, 5321.0, 5323.0, 5357.0, 5413.0, 5324.0, 5701.0, 5535.0, 5645.0, 5578.0, 5565.0, 5524.0, 5421.0, 5462.0, 5617.0, 5540.0, 5352.0, 5478.0, 5472.0, 5290.0, 5455.0, 5461.0, 5713.0, 5464.0, 5585.0, 5371.0, 5313.0, 5676.0, 5636.0, 5721.0, 5572.0, 5635.0, 5343.0, 5684.0, 5300.0, 5452.0, 5436.0, 5613.0, 5618.0, 5269.0, 5592.0, 5329.0, 5360.0, 5700.0, 5551.0, 5711.0, 5393.0, 5719.0, 5712.0, 5544.0, 5716.0, 5582.0, 5603.0, 5359.0, 5449.0, 5305.0, 5337.0, 5273.0, 5310.0, 5307.0, 5517.0, 5268.0, 5606.0, 5581.0, 5432.0, 5685.0, 5469.0, 5404.0, 5411.0, 5680.0, 5355.0, 5444.0, 5254.0, 5456.0, 5703.0, 5615.0, 5584.0, 5669.0, 5722.0, 5489.0 (number of hits: 15)
12	5530	9	1	333	1	5332.0, 5492.0, 5419.0, 5412.0, 5501.0, 5663.0, 5694.0, 5388.0, 5279.0, 5372.0, 5457.0, 5472.0, 5464.0, 5470.0, 5625.0, 5598.0, 5371.0, 5254.0, 5367.0, 5362.0, 5288.0, 5351.0, 5699.0, 5641.0, 5539.0, 5280.0, 5438.0, 5338.0, 5394.0, 5380.0, 5471.0, 5531.0, 5265.0, 5291.0, 5495.0, 5398.0, 5692.0, 5264.0, 5639.0, 5509.0, 5563.0, 5295.0, 5669.0, 5400.0, 5299.0, 5337.0, 5544.0, 5658.0, 5672.0, 5716.0, 5592.0, 5671.0, 5506.0, 5290.0, 5701.0,

						5255.0, 5508.0, 5404.0, 5538.0, 5489.0, 5453.0, 5630.0, 5272.0, 5445.0, 5384.0, 5258.0, 5406.0, 5336.0, 5497.0, 5479.0, 5463.0, 5397.0, 5540.0, 5562.0, 5720.0, 5467.0, 5524.0, 5571.0, 5300.0, 5442.0, 5499.0, 5516.0, 5305.0, 5522.0, 5365.0, 5707.0, 5447.0, 5441.0, 5342.0, 5683.0, 5634.0, 5526.0, 5357.0, 5656.0, 5579.0, 5617.0, 5645.0, 5594.0, 5387.0, 5482.0 (number of hits: 19)
13	5530	9	1	333	1	5404.0, 5520.0, 5703.0, 5521.0, 5558.0, 5719.0, 5678.0, 5332.0, 5388.0, 5602.0, 5535.0, 5437.0, 5264.0, 5495.0, 5667.0, 5341.0, 5479.0, 5607.0, 5632.0, 5614.0, 5523.0, 5282.0, 5482.0, 5389.0, 5580.0, 5518.0, 5405.0, 5342.0, 5716.0, 5329.0, 5539.0, 5324.0, 5466.0, 5386.0, 5517.0, 5591.0, 5544.0, 5396.0, 5374.0, 5452.0, 5436.0, 5352.0, 5276.0, 5646.0, 5330.0, 5635.0, 5365.0, 5619.0, 5622.0, 5421.0, 5624.0, 5414.0, 5643.0, 5361.0, 5397.0, 5300.0, 5487.0, 5398.0, 5343.0, 5696.0, 5715.0, 5625.0, 5628.0, 5263.0, 5655.0, 5384.0, 5347.0, 5325.0, 5315.0, 5309.0, 5422.0, 5688.0, 5279.0, 5690.0, 5660.0, 5503.0, 5441.0, 5262.0, 5593.0, 5618.0, 5704.0, 5645.0, 5250.0, 5691.0, 5289.0, 5724.0, 5395.0, 5464.0, 5438.0, 5649.0, 5650.0, 5481.0, 5416.0, 5267.0, 5307.0, 5387.0, 5652.0, 5636.0, 5427.0, 5346.0 (number of hits: 11)
14	5530	9	1	333	1	5354.0, 5274.0, 5534.0, 5611.0, 5292.0, 5309.0, 5373.0, 5404.0, 5648.0, 5563.0, 5533.0, 5686.0, 5395.0, 5509.0, 5557.0, 5667.0, 5660.0, 5716.0, 5258.0, 5650.0, 5604.0, 5464.0, 5515.0, 5306.0, 5380.0, 5298.0, 5379.0, 5299.0, 5570.0, 5386.0, 5473.0, 5525.0, 5571.0, 5708.0, 5483.0, 5485.0, 5696.0, 5623.0, 5541.0, 5398.0, 5567.0, 5418.0, 5520.0, 5275.0, 5499.0, 5302.0, 5580.0, 5565.0, 5253.0, 5555.0, 5713.0, 5692.0, 5367.0, 5410.0, 5455.0, 5470.0, 5283.0, 5618.0, 5441.0, 5349.0, 5447.0, 5496.0, 5559.0, 5528.0, 5268.0, 5594.0, 5376.0, 5644.0, 5586.0, 5476.0, 5374.0, 5286.0, 5260.0, 5361.0, 5703.0, 5350.0, 5546.0, 5535.0, 5293.0, 5649.0, 5460.0, 5478.0, 5272.0, 5254.0, 5621.0, 5437.0, 5617.0, 5300.0, 5486.0, 5684.0, 5624.0, 5296.0, 5530.0, 5714.0, 5495.0, 5491.0, 5516.0, 5269.0, 5358.0, 5609.0 (number of hits: 22)
15	5530	9	1	333	1	5669.0, 5446.0, 5454.0, 5364.0, 5474.0, 5627.0, 5504.0, 5489.0, 5480.0, 5492.0, 5651.0, 5512.0, 5317.0, 5252.0, 5671.0, 5315.0, 5428.0, 5557.0, 5271.0, 5319.0, 5341.0, 5694.0, 5426.0, 5375.0, 5702.0, 5274.0, 5566.0, 5253.0, 5441.0, 5503.0, 5675.0, 5389.0, 5601.0, 5547.0, 5448.0, 5329.0, 5612.0, 5643.0, 5507.0, 5406.0, 5393.0, 5464.0, 5259.0, 5340.0, 5367.0, 5522.0, 5472.0, 5300.0, 5666.0, 5556.0,

						5590.0, 5678.0, 5261.0, 5487.0, 5382.0, 5526.0, 5278.0, 5572.0, 5258.0, 5691.0, 5655.0, 5539.0, 5350.0, 5451.0, 5689.0, 5440.0, 5256.0, 5652.0, 5337.0, 5695.0, 5562.0, 5312.0, 5384.0, 5254.0, 5396.0, 5374.0, 5525.0, 5385.0, 5357.0, 5633.0, 5513.0, 5361.0, 5298.0, 5368.0, 5558.0, 5356.0, 5369.0, 5703.0, 5328.0, 5648.0, 5632.0, 5604.0, 5582.0, 5519.0, 5706.0, 5316.0, 5610.0, 5588.0, 5320.0, 5338.0 (number of hits: 17)
16	5530	9	1	333	1	5622.0, 5605.0, 5417.0, 5649.0, 5320.0, 5523.0, 5586.0, 5593.0, 5293.0, 5277.0, 5675.0, 5657.0, 5282.0, 5704.0, 5401.0, 5639.0, 5418.0, 5284.0, 5370.0, 5532.0, 5505.0, 5322.0, 5582.0, 5711.0, 5251.0, 5630.0, 5381.0, 5519.0, 5373.0, 5555.0, 5312.0, 5511.0, 5483.0, 5529.0, 5576.0, 5369.0, 5565.0, 5336.0, 5612.0, 5518.0, 5279.0, 5486.0, 5310.0, 5665.0, 5590.0, 5280.0, 5333.0, 5687.0, 5307.0, 5648.0, 5491.0, 5573.0, 5642.0, 5323.0, 5641.0, 5705.0, 5278.0, 5613.0, 5317.0, 5378.0, 5459.0, 5507.0, 5542.0, 5676.0, 5321.0, 5664.0, 5545.0, 5434.0, 5701.0, 5638.0, 5706.0, 5250.0, 5530.0, 5699.0, 5316.0, 5295.0, 5568.0, 5496.0, 5422.0, 5353.0, 5345.0, 5562.0, 5294.0, 5393.0, 5636.0, 5349.0, 5645.0, 5444.0, 5425.0, 5696.0, 5343.0, 5533.0, 5510.0, 5698.0, 5290.0, 5342.0, 5303.0, 5347.0, 5441.0, 5700.0 (number of hits: 19)
17	5530	9	1	333	1	5414.0, 5295.0, 5650.0, 5566.0, 5345.0, 5535.0, 5439.0, 5554.0, 5596.0, 5476.0, 5344.0, 5383.0, 5305.0, 5374.0, 5640.0, 5546.0, 5574.0, 5541.0, 5481.0, 5506.0, 5384.0, 5544.0, 5277.0, 5447.0, 5576.0, 5359.0, 5516.0, 5521.0, 5351.0, 5482.0, 5699.0, 5444.0, 5264.0, 5602.0, 5421.0, 5263.0, 5513.0, 5582.0, 5356.0, 5472.0, 5552.0, 5665.0, 5695.0, 5625.0, 5562.0, 5287.0, 5615.0, 5612.0, 5613.0, 5717.0, 5312.0, 5279.0, 5348.0, 5271.0, 5591.0, 5601.0, 5409.0, 5255.0, 5291.0, 5525.0, 5630.0, 5293.0, 5471.0, 5301.0, 5700.0, 5611.0, 5273.0, 5639.0, 5251.0, 5456.0, 5656.0, 5262.0, 5623.0, 5413.0, 5637.0, 5490.0, 5310.0, 5393.0, 5690.0, 5686.0, 5411.0, 5308.0, 5433.0, 5491.0, 5406.0, 5479.0, 5484.0, 5714.0, 5324.0, 5319.0, 5467.0, 5379.0, 5360.0, 5514.0, 5610.0, 5638.0, 5592.0, 5675.0, 5619.0, 5555.0 (number of hits: 16)
18	5530	9	1	333	1	5629.0, 5363.0, 5608.0, 5630.0, 5636.0, 5600.0, 5484.0, 5506.0, 5714.0, 5539.0, 5325.0, 5331.0, 5538.0, 5645.0, 5640.0, 5611.0, 5639.0, 5385.0, 5268.0, 5420.0, 5530.0, 5347.0, 5290.0, 5457.0, 5529.0, 5467.0, 5285.0, 5309.0, 5552.0, 5648.0, 5476.0, 5614.0, 5335.0, 5316.0, 5511.0, 5461.0, 5596.0, 5369.0, 5306.0, 5401.0, 5437.0, 5329.0, 5351.0, 5485.0, 5593.0,

						5680.0, 5667.0, 5559.0, 5465.0, 5713.0, 5618.0, 5462.0, 5388.0, 5509.0, 5579.0, 5444.0, 5488.0, 5679.0, 5391.0, 5441.0, 5423.0, 5421.0, 5527.0, 5546.0, 5348.0, 5452.0, 5592.0, 5637.0, 5263.0, 5300.0, 5700.0, 5646.0, 5460.0, 5425.0, 5279.0, 5582.0, 5313.0, 5466.0, 5662.0, 5677.0, 5362.0, 5605.0, 5416.0, 5459.0, 5282.0, 5446.0, 5705.0, 5507.0, 5479.0, 5494.0, 5299.0, 5550.0, 5382.0, 5723.0, 5633.0, 5428.0, 5531.0, 5534.0, 5366.0, 5293.0 (number of hits: 16)
19	5530	9	1	333	1	5396.0, 5440.0, 5463.0, 5681.0, 5335.0, 5539.0, 5563.0, 5618.0, 5503.0, 5373.0, 5651.0, 5286.0, 5425.0, 5355.0, 5312.0, 5580.0, 5677.0, 5568.0, 5323.0, 5435.0, 5404.0, 5337.0, 5701.0, 5572.0, 5454.0, 5495.0, 5653.0, 5707.0, 5662.0, 5265.0, 5534.0, 5445.0, 5304.0, 5656.0, 5472.0, 5518.0, 5306.0, 5381.0, 5603.0, 5555.0, 5675.0, 5315.0, 5480.0, 5697.0, 5289.0, 5284.0, 5700.0, 5504.0, 5520.0, 5570.0, 5538.0, 5578.0, 5608.0, 5357.0, 5602.0, 5624.0, 5657.0, 5287.0, 5416.0, 5499.0, 5703.0, 5682.0, 5313.0, 5536.0, 5295.0, 5723.0, 5530.0, 5663.0, 5433.0, 5637.0, 5546.0, 5661.0, 5412.0, 5510.0, 5259.0, 5605.0, 5704.0, 5494.0, 5441.0, 5557.0, 5478.0, 5548.0, 5450.0, 5471.0, 5642.0, 5549.0, 5330.0, 5664.0, 5331.0, 5596.0, 5513.0, 5365.0, 5517.0, 5253.0, 5332.0, 5542.0, 5376.0, 5552.0, 5436.0, 5299.0 (number of hits: 24)
20	5530	9	1	333	1	5306.0, 5581.0, 5468.0, 5618.0, 5267.0, 5384.0, 5423.0, 5275.0, 5381.0, 5678.0, 5276.0, 5580.0, 5373.0, 5629.0, 5571.0, 5302.0, 5569.0, 5692.0, 5474.0, 5500.0, 5642.0, 5436.0, 5443.0, 5372.0, 5266.0, 5697.0, 5322.0, 5555.0, 5594.0, 5431.0, 5547.0, 5270.0, 5542.0, 5347.0, 5532.0, 5359.0, 5353.0, 5603.0, 5397.0, 5549.0, 5613.0, 5509.0, 5605.0, 5278.0, 5318.0, 5429.0, 5617.0, 5265.0, 5345.0, 5515.0, 5651.0, 5366.0, 5715.0, 5328.0, 5295.0, 5612.0, 5716.0, 5346.0, 5508.0, 5559.0, 5357.0, 5305.0, 5371.0, 5631.0, 5439.0, 5610.0, 5335.0, 5664.0, 5602.0, 5506.0, 5389.0, 5380.0, 5432.0, 5390.0, 5351.0, 5293.0, 5658.0, 5310.0, 5449.0, 5253.0, 5281.0, 5374.0, 5401.0, 5378.0, 5299.0, 5445.0, 5279.0, 5634.0, 5456.0, 5251.0, 5577.0, 5286.0, 5444.0, 5689.0, 5673.0, 5462.0, 5495.0, 5354.0, 5708.0, 5261.0 (number of hits: 12)
21	5530	9	1	333	1	5696.0, 5654.0, 5598.0, 5259.0, 5465.0, 5681.0, 5434.0, 5488.0, 5302.0, 5477.0, 5510.0, 5720.0, 5304.0, 5405.0, 5295.0, 5689.0, 5409.0, 5476.0, 5547.0, 5335.0, 5715.0, 5594.0, 5588.0, 5523.0, 5422.0, 5475.0, 5408.0, 5496.0, 5613.0, 5647.0, 5303.0, 5388.0, 5326.0, 5332.0, 5601.0, 5615.0, 5394.0, 5296.0, 5340.0, 5491.0,

						5531.0, 5707.0, 5633.0, 5267.0, 5591.0, 5490.0, 5640.0, 5607.0, 5435.0, 5260.0, 5277.0, 5679.0, 5534.0, 5659.0, 5561.0, 5581.0, 5572.0, 5636.0, 5686.0, 5362.0, 5616.0, 5307.0, 5505.0, 5418.0, 5718.0, 5357.0, 5376.0, 5285.0, 5375.0, 5657.0, 5468.0, 5566.0, 5427.0, 5632.0, 5396.0, 5368.0, 5592.0, 5373.0, 5428.0, 5339.0, 5342.0, 5404.0, 5688.0, 5347.0, 5539.0, 5514.0, 5275.0, 5402.0, 5263.0, 5261.0, 5527.0, 5706.0, 5548.0, 5521.0, 5354.0, 5327.0, 5442.0, 5506.0, 5293.0, 5580.0 (number of hits: 16)
22	5530	9	1	333	1	5575.0, 5722.0, 5516.0, 5349.0, 5679.0, 5282.0, 5613.0, 5326.0, 5342.0, 5563.0, 5673.0, 5340.0, 5571.0, 5566.0, 5488.0, 5606.0, 5549.0, 5316.0, 5468.0, 5572.0, 5526.0, 5357.0, 5633.0, 5544.0, 5539.0, 5593.0, 5552.0, 5254.0, 5459.0, 5280.0, 5324.0, 5278.0, 5518.0, 5267.0, 5467.0, 5704.0, 5711.0, 5570.0, 5471.0, 5439.0, 5381.0, 5624.0, 5608.0, 5355.0, 5589.0, 5416.0, 5352.0, 5389.0, 5534.0, 5347.0, 5625.0, 5339.0, 5646.0, 5637.0, 5431.0, 5365.0, 5253.0, 5530.0, 5691.0, 5271.0, 5719.0, 5315.0, 5361.0, 5667.0, 5286.0, 5410.0, 5701.0, 5576.0, 5322.0, 5543.0, 5484.0, 5495.0, 5436.0, 5551.0, 5686.0, 5659.0, 5310.0, 5559.0, 5714.0, 5654.0, 5615.0, 5499.0, 5364.0, 5703.0, 5531.0, 5607.0, 5412.0, 5460.0, 5331.0, 5635.0, 5344.0, 5380.0, 5411.0, 5396.0, 5658.0, 5292.0, 5452.0, 5283.0, 5323.0, 5391.0 (number of hits: 17)
23	5530	9	1	333	1	5660.0, 5441.0, 5454.0, 5540.0, 5445.0, 5565.0, 5700.0, 5549.0, 5554.0, 5255.0, 5289.0, 5534.0, 5416.0, 5622.0, 5363.0, 5695.0, 5423.0, 5270.0, 5338.0, 5315.0, 5584.0, 5356.0, 5372.0, 5335.0, 5453.0, 5323.0, 5605.0, 5673.0, 5317.0, 5339.0, 5426.0, 5443.0, 5685.0, 5324.0, 5272.0, 5576.0, 5284.0, 5283.0, 5644.0, 5375.0, 5575.0, 5477.0, 5314.0, 5586.0, 5719.0, 5520.0, 5606.0, 5473.0, 5547.0, 5360.0, 5480.0, 5562.0, 5720.0, 5331.0, 5374.0, 5542.0, 5436.0, 5610.0, 5531.0, 5327.0, 5411.0, 5334.0, 5364.0, 5671.0, 5612.0, 5500.0, 5722.0, 5457.0, 5308.0, 5595.0, 5434.0, 5709.0, 5321.0, 5464.0, 5519.0, 5361.0, 5410.0, 5716.0, 5390.0, 5401.0, 5281.0, 5537.0, 5609.0, 5483.0, 5269.0, 5703.0, 5261.0, 5550.0, 5635.0, 5571.0, 5299.0, 5582.0, 5508.0, 5539.0, 5404.0, 5702.0, 5397.0, 5548.0, 5278.0, 5316.0 (number of hits: 17)
24	5530	9	1	333	1	5466.0, 5541.0, 5371.0, 5619.0, 5672.0, 5548.0, 5608.0, 5482.0, 5311.0, 5477.0, 5633.0, 5512.0, 5613.0, 5635.0, 5611.0, 5447.0, 5484.0, 5602.0, 5345.0, 5436.0, 5682.0, 5592.0, 5689.0, 5273.0, 5630.0, 5535.0, 5384.0, 5530.0, 5521.0, 5483.0, 5315.0, 5452.0, 5266.0, 5491.0, 5554.0,

						5718.0, 5666.0, 5637.0, 5649.0, 5392.0, 5357.0, 5388.0, 5319.0, 5314.0, 5330.0, 5281.0, 5570.0, 5449.0, 5325.0, 5681.0, 5411.0, 5618.0, 5617.0, 5656.0, 5587.0, 5289.0, 5527.0, 5661.0, 5515.0, 5550.0, 5711.0, 5708.0, 5525.0, 5499.0, 5455.0, 5577.0, 5338.0, 5451.0, 5651.0, 5643.0, 5397.0, 5431.0, 5634.0, 5480.0, 5702.0, 5269.0, 5301.0, 5581.0, 5463.0, 5478.0, 5715.0, 5544.0, 5347.0, 5261.0, 5650.0, 5407.0, 5267.0, 5396.0, 5282.0, 5405.0, 5418.0, 5704.0, 5253.0, 5520.0, 5500.0, 5591.0, 5667.0, 5417.0, 5490.0, 5335.0 (number of hits: 16)
25	5530	9	1	333	1	5545.0, 5705.0, 5454.0, 5404.0, 5365.0, 5355.0, 5378.0, 5511.0, 5707.0, 5406.0, 5292.0, 5382.0, 5713.0, 5332.0, 5409.0, 5475.0, 5474.0, 5334.0, 5448.0, 5495.0, 5323.0, 5386.0, 5347.0, 5686.0, 5635.0, 5657.0, 5642.0, 5267.0, 5416.0, 5548.0, 5467.0, 5504.0, 5547.0, 5443.0, 5501.0, 5269.0, 5661.0, 5496.0, 5281.0, 5581.0, 5262.0, 5499.0, 5319.0, 5622.0, 5325.0, 5591.0, 5621.0, 5423.0, 5407.0, 5542.0, 5492.0, 5567.0, 5350.0, 5668.0, 5367.0, 5700.0, 5348.0, 5557.0, 5318.0, 5524.0, 5531.0, 5470.0, 5609.0, 5536.0, 5259.0, 5706.0, 5646.0, 5422.0, 5424.0, 5679.0, 5311.0, 5252.0, 5723.0, 5270.0, 5298.0, 5693.0, 5507.0, 5701.0, 5283.0, 5385.0, 5288.0, 5500.0, 5345.0, 5438.0, 5305.0, 5596.0, 5370.0, 5632.0, 5687.0, 5352.0, 5362.0, 5398.0, 5634.0, 5627.0, 5508.0, 5682.0, 5647.0, 5698.0, 5612.0, 5694.0 (number of hits: 19)
26	5530	9	1	333	1	5463.0, 5476.0, 5320.0, 5636.0, 5569.0, 5408.0, 5491.0, 5364.0, 5719.0, 5532.0, 5696.0, 5264.0, 5593.0, 5605.0, 5516.0, 5353.0, 5307.0, 5514.0, 5504.0, 5346.0, 5398.0, 5616.0, 5371.0, 5603.0, 5561.0, 5548.0, 5544.0, 5700.0, 5430.0, 5596.0, 5419.0, 5512.0, 5638.0, 5255.0, 5699.0, 5604.0, 5359.0, 5723.0, 5282.0, 5374.0, 5601.0, 5267.0, 5340.0, 5363.0, 5649.0, 5540.0, 5310.0, 5312.0, 5715.0, 5526.0, 5597.0, 5692.0, 5447.0, 5444.0, 5404.0, 5652.0, 5303.0, 5441.0, 5380.0, 5508.0, 5624.0, 5527.0, 5357.0, 5311.0, 5585.0, 5482.0, 5367.0, 5317.0, 5350.0, 5351.0, 5627.0, 5306.0, 5265.0, 5562.0, 5279.0, 5455.0, 5254.0, 5502.0, 5647.0, 5289.0, 5576.0, 5617.0, 5372.0, 5266.0, 5642.0, 5549.0, 5586.0, 5330.0, 5568.0, 5713.0, 5510.0, 5706.0, 5630.0, 5454.0, 5358.0, 5718.0, 5420.0, 5474.0, 5528.0, 5687.0 (number of hits: 19)
27	5530	9	1	333	1	5627.0, 5419.0, 5476.0, 5529.0, 5622.0, 5334.0, 5437.0, 5595.0, 5323.0, 5548.0, 5545.0, 5585.0, 5455.0, 5672.0, 5678.0, 5311.0, 5579.0, 5525.0, 5397.0, 5411.0, 5516.0, 5266.0, 5483.0, 5519.0, 5428.0, 5524.0, 5490.0, 5537.0, 5541.0, 5440.0,

						5300.0, 5712.0, 5293.0, 5540.0, 5392.0, 5539.0, 5629.0, 5409.0, 5625.0, 5526.0, 5366.0, 5347.0, 5588.0, 5356.0, 5641.0, 5382.0, 5381.0, 5691.0, 5724.0, 5708.0, 5501.0, 5591.0, 5498.0, 5517.0, 5418.0, 5713.0, 5305.0, 5642.0, 5362.0, 5405.0, 5649.0, 5478.0, 5343.0, 5344.0, 5464.0, 5400.0, 5294.0, 5458.0, 5670.0, 5697.0, 5515.0, 5306.0, 5628.0, 5582.0, 5348.0, 5614.0, 5433.0, 5532.0, 5593.0, 5303.0, 5275.0, 5503.0, 5285.0, 5684.0, 5608.0, 5549.0, 5566.0, 5450.0, 5689.0, 5663.0, 5434.0, 5655.0, 5715.0, 5369.0, 5688.0, 5479.0, 5569.0, 5436.0, 5654.0, 5528.0 (number of hits: 21)
28	5530	9	1	333	1	5383.0, 5395.0, 5501.0, 5266.0, 5532.0, 5452.0, 5447.0, 5500.0, 5622.0, 5351.0, 5682.0, 5251.0, 5629.0, 5516.0, 5425.0, 5571.0, 5295.0, 5670.0, 5317.0, 5350.0, 5581.0, 5594.0, 5474.0, 5609.0, 5659.0, 5584.0, 5306.0, 5396.0, 5294.0, 5522.0, 5286.0, 5470.0, 5449.0, 5442.0, 5375.0, 5568.0, 5345.0, 5644.0, 5307.0, 5290.0, 5482.0, 5601.0, 5484.0, 5360.0, 5610.0, 5655.0, 5463.0, 5274.0, 5448.0, 5260.0, 5643.0, 5710.0, 5488.0, 5283.0, 5672.0, 5583.0, 5662.0, 5458.0, 5334.0, 5340.0, 5493.0, 5509.0, 5497.0, 5435.0, 5410.0, 5333.0, 5513.0, 5721.0, 5250.0, 5514.0, 5347.0, 5705.0, 5318.0, 5335.0, 5707.0, 5557.0, 5507.0, 5576.0, 5486.0, 5693.0, 5431.0, 5518.0, 5595.0, 5401.0, 5270.0, 5597.0, 5358.0, 5329.0, 5315.0, 5570.0, 5305.0, 5523.0, 5685.0, 5624.0, 5614.0, 5616.0, 5285.0, 5299.0, 5549.0, 5378.0 (number of hits: 16)
29	5530	9	1	333	1	5678.0, 5583.0, 5534.0, 5385.0, 5600.0, 5634.0, 5441.0, 5471.0, 5619.0, 5263.0, 5321.0, 5512.0, 5417.0, 5622.0, 5400.0, 5480.0, 5381.0, 5675.0, 5697.0, 5565.0, 5408.0, 5513.0, 5546.0, 5421.0, 5587.0, 5490.0, 5407.0, 5372.0, 5708.0, 5702.0, 5718.0, 5655.0, 5623.0, 5463.0, 5635.0, 5294.0, 5447.0, 5695.0, 5419.0, 5387.0, 5705.0, 5679.0, 5576.0, 5403.0, 5527.0, 5333.0, 5266.0, 5632.0, 5392.0, 5577.0, 5544.0, 5269.0, 5303.0, 5549.0, 5298.0, 5627.0, 5402.0, 5609.0, 5445.0, 5639.0, 5326.0, 5357.0, 5689.0, 5331.0, 5533.0, 5368.0, 5420.0, 5332.0, 5687.0, 5433.0, 5458.0, 5405.0, 5414.0, 5711.0, 5511.0, 5278.0, 5469.0, 5671.0, 5465.0, 5520.0, 5518.0, 5284.0, 5273.0, 5613.0, 5541.0, 5722.0, 5297.0, 5275.0, 5453.0, 5724.0, 5370.0, 5519.0, 5545.0, 5641.0, 5323.0, 5501.0, 5451.0, 5354.0, 5352.0, 5715.0 (number of hits: 16)
30	5530	9	1	333	1	5278.0, 5534.0, 5442.0, 5340.0, 5441.0, 5297.0, 5512.0, 5493.0, 5467.0, 5347.0, 5418.0, 5670.0, 5588.0, 5390.0, 5258.0, 5301.0, 5496.0, 5699.0, 5402.0, 5470.0, 5266.0, 5618.0, 5564.0, 5653.0, 5474.0,

						5574.0, 5329.0, 5339.0, 5319.0, 5605.0, 5369.0, 5274.0, 5565.0, 5405.0, 5281.0, 5550.0, 5528.0, 5616.0, 5623.0, 5594.0, 5701.0, 5655.0, 5665.0, 5290.0, 5578.0, 5444.0, 5614.0, 5638.0, 5443.0, 5495.0, 5465.0, 5277.0, 5436.0, 5385.0, 5644.0, 5331.0, 5338.0, 5425.0, 5580.0, 5438.0, 5264.0, 5663.0, 5270.0, 5481.0, 5291.0, 5364.0, 5628.0, 5312.0, 5610.0, 5603.0, 5419.0, 5723.0, 5691.0, 5640.0, 5313.0, 5458.0, 5263.0, 5537.0, 5302.0, 5431.0, 5252.0, 5414.0, 5409.0, 5492.0, 5671.0, 5446.0, 5700.0, 5466.0, 5584.0, 5253.0, 5399.0, 5295.0, 5447.0, 5555.0, 5311.0, 5705.0, 5602.0, 5334.0, 5702.0, 5379.0 (number of hits: 12)

5570 MHz, 80+80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	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	5570	58	1	918	1
2	5570	18	1	3066	1
3	5570	70	1	758	1
4	5570	83	1	638	1
5	5570	81	1	658	1
6	5491	63	1	838	1
7	5491	62	1	858	1
8	5491	59	1	898	1
9	5491	86	1	618	1
10	5491	65	1	818	1
11	5649	92	1	578	1
12	5649	74	1	718	1
13	5649	89	1	598	1
14	5649	63	1	838	0
15	5649	102	1	518	1
16	5570	52	1	1024	1
17	5570	25	1	2173	1
18	5570	33	1	1621	0
19	5570	18	1	2972	1
20	5570	18	1	2970	1
21	5491	47	1	1144	1
22	5491	79	1	669	1
23	5491	22	1	2486	1
24	5491	37	1	1439	1
25	5491	34	1	1557	1
26	5649	95	1	560	1
27	5649	20	1	2750	1
28	5649	30	1	1818	0
29	5649	33	1	1643	1
30	5649	36	1	1471	1
Detection Percentage: 90 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5570	27	1.4	168	1
2	5570	29	4	201	1
3	5570	29	2.4	229	1
4	5570	23	3.3	180	1
5	5570	29	3.5	213	1
6	5570	23	4	175	1
7	5570	29	3	215	1
8	5570	25	2.6	167	1
9	5570	27	3.3	172	0
10	5570	25	2.5	219	1
11	5491	24	4.8	189	1
12	5491	29	4.8	209	1
13	5491	26	2.3	176	1
14	5491	29	4.2	151	1
15	5491	26	3.8	162	0
16	5491	25	2.3	227	1
17	5491	25	3.2	193	1
18	5491	24	4.1	222	0
19	5491	23	3.5	161	1
20	5491	28	1.7	159	1
21	5649	29	2	193	1
22	5649	24	4.8	224	1
23	5649	28	2.1	203	1
24	5649	23	4.1	196	1
25	5649	26	3.4	227	0
26	5649	28	3.5	216	1
27	5649	29	4.7	226	1
28	5649	23	4.2	181	1
29	5649	26	2.4	199	1
30	5649	29	4.6	229	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	5570	18	8	456	1
2	5570	18	7.6	484	1
3	5570	17	6.7	396	0
4	5570	18	8.2	298	1
5	5570	18	7.9	388	1
6	5570	16	6.5	499	0
7	5570	18	8.4	478	1
8	5570	16	7.2	346	1
9	5570	18	9.6	308	1
10	5570	18	9	238	1
11	5491	16	9.4	397	1
12	5491	18	7.3	245	1
13	5491	16	6	386	1
14	5491	16	7.4	285	1
15	5491	16	9.5	400	1
16	5491	17	7.4	418	1
17	5491	17	6.7	471	0
18	5491	18	6.3	341	1
19	5491	18	7.1	362	0
20	5491	18	8.3	311	1
21	5649	17	7.7	222	1
22	5649	16	6.3	223	1
23	5649	17	8.9	213	1
24	5649	16	7.7	345	1
25	5649	18	7.6	450	0
26	5649	18	7.6	453	1
27	5649	17	9	224	1
28	5649	18	8.9	233	0
29	5649	18	7.2	315	1
30	5649	17	7	447	1
Detection Percentage: 80 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5570	15	14.8	491	1
2	5570	15	17.8	418	1
3	5570	15	11.1	401	1
4	5570	15	15.8	327	1
5	5570	14	13.1	415	0
6	5570	14	19	488	1
7	5570	13	17.2	279	1
8	5570	12	13.1	493	1
9	5570	14	13.6	417	0
10	5570	16	18.5	401	1
11	5491	15	18.8	463	1
12	5491	13	18.8	252	1
13	5491	12	16.7	207	1
14	5491	13	11.5	489	1
15	5491	16	18.6	402	1
16	5491	12	19	495	1
17	5491	12	18.7	414	0
18	5491	13	11.9	295	1
19	5491	12	17.9	265	1
20	5491	14	17.2	427	1
21	5649	12	18.6	363	1
22	5649	14	14.2	266	1
23	5649	15	19.3	436	0
24	5649	15	17.8	490	1
25	5649	14	15.5	367	1
26	5649	15	11.7	477	1
27	5649	15	17.5	357	1
28	5649	12	18	465	1
29	5649	14	15.1	415	1
30	5649	12	14.3	218	1
Detection Percentage: 86.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5570	1
2	5570	1
3	5570	1
4	5570	1
5	5570	1
6	5570	1
7	5570	1
8	5570	1
9	5570	1
10	5570	1
11	5495.8	1
12	5497.0	1
13	5498.2	1
14	5496.6	1
15	5496.6	1
16	5497.8	1
17	5497.8	1
18	5496.6	1
19	5497.4	1
20	5493.0	1
21	5643.0	1
22	5643.8	1
23	5642.2	1
24	5645.8	1
25	5641.4	1
26	5641.4	1
27	5643.0	1
28	5646.2	1
29	5645.8	1
30	5645.4	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	7	50.1	1896		1.101713	1
1	2	7	93.5	1440		2.128717	
2	2	7	96.7	1685		3.41128	
3	2	7	90.2	1676		4.335312	
4	2	7	54.3	1383		5.802476	
5	1	7	77.1			6.048055	
6	3	7	82.4	1793	1848	7.827854	
7	2	7	65.6	1639		9.174288	
8	1	7	94.4			10.572505	
9	1	7	88.5			11.532278	

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	54.5	1262		0.270441	1
1	3	9	98.6	1833	1588	0.925946	
2	1	9	64.5			1.740614	
3	2	9	63.1	1137		3.24794	
4	2	9	90.9	1702		4.066222	
5	2	9	62.1	1451		4.39062	
6	1	9	61.5			5.841137	
7	2	9	67.1	1588		6.780714	
8	1	9	95.4			7.368698	
9	1	9	84.2			8.009871	
10	1	9	60.4			8.754076	
11	2	9	52.7	1006		9.877221	
12	2	9	86.4	1325		10.459118	
13	1	9	88.1			11.243992	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	97.5	1281	1402	0.012222	1
1	2	12	50	1391		1.150435	
2	1	12	63.4			2.243116	
3	1	12	55.1			2.392231	
4	3	12	85.2	1471	1134	3.374837	
5	2	12	85.2	1017		4.084803	
6	2	12	88.8	1554		4.668173	
7	2	12	76.2	1801		5.363926	
8	3	12	54	1609	1035	6.087906	
9	2	12	73.2	1318		7.378234	
10	2	12	52.9	1263		7.591944	
11	2	12	74.2	1314		8.550709	
12	1	12	73.5			9.709274	
13	2	12	65.8	1584		10.156718	
14	3	12	90.4	1944	1738	10.712845	
15	1	12	58.3			11.742168	

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	10	65.4	1613	1686	0.08296	1
1	2	10	52.1	1436		1.025836	
2	1	10	77.9			1.676813	
3	2	10	62	1308		2.49071	
4	1	10	58.6			3.379251	
5	3	10	95.4	1821	1209	3.763063	
6	3	10	77.1	1216	1508	4.82034	
7	2	10	84	1815		5.613874	
8	2	10	56.3	1876		6.336448	
9	2	10	75.8	1156		6.990993	
10	2	10	76.8	1957		7.915394	
11	2	10	79	1858		8.252199	
12	2	10	65.4	1357		9.48488	
13	1	10	51.4			10.032545	
14	2	10	55.4	1860		10.552898	
15	1	10	91.5			11.629749	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	59.9			0.772188	1
1	2	11	79.5	1012		1.846273	
2	3	11	51.2	1047	1624	2.962294	
3	1	11	67.1			4.859027	
4	2	11	62.9	1304		5.955692	
5	3	11	90.8	1583	1934	6.829201	
6	2	11	73	1630		8.915879	
7	2	11	67.4	1333		10.460923	
8	1	11	69.5			11.404257	

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	13	97.1			0.042761	1
1	2	13	73.3	1477		0.857717	
2	1	13	97.3			2.528108	
3	3	13	79.8	1468	1628	3.13517	
4	3	13	53.8	1550	1526	3.872088	
5	3	13	56.7	1486	1113	4.5829	
6	1	13	95.2			5.517351	
7	2	13	76.3	1396		6.128682	
8	3	13	58.2	1305	1525	7.208467	
9	1	13	61			8.111243	
10	2	13	62.5	1058		8.719139	
11	2	13	53.6	1062		10.18062	
12	3	13	89.4	1878	1621	10.404415	
13	3	13	68.3	1628	1685	11.343973	

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	13	84.3			0.219433	1
1	3	13	81.3	1452	1471	2.16709	
2	1	13	94.7			2.514512	
3	1	13	87.2			3.607323	
4	3	13	68.3	1077	1706	5.066859	
5	1	13	73.9			5.880139	
6	3	13	52.3	1538	1474	7.232581	
7	1	13	99.7			8.267043	
8	2	13	69.6	1915		9.487332	
9	2	13	63.2	1482		9.932831	
10	2	13	97.2	1333		11.920604	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	75.7	1474		0.660718	1
1	3	15	70.1	1578	1321	1.294284	
2	1	15	51.2			1.54008	
3	3	15	51.9	1321	1504	2.03909	
4	1	15	83.1			2.825196	
5	2	15	76.9	1714		3.993607	
6	2	15	70.6	1685		4.191758	
7	3	15	67.4	1832	1908	4.689978	
8	2	15	52.4	1948		5.84025	
9	1	15	61.3			6.040294	
10	2	15	50.7	1849		7.233163	
11	2	15	50.4	1848		7.597993	
12	3	15	78.9	1759	1891	8.151045	
13	1	15	71.5			9.083162	
14	2	15	58.5	1152		9.700926	
15	1	15	62.7			10.469955	
16	1	15	81			11.030592	
17	1	15	70.1			11.770905	

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	13	81.9	1791	1462	0.527805	
1	2	13	85.4	1751		0.941229	
2	2	13	74.9	1929		1.486776	
3	2	13	88.2	1222		2.477336	
4	1	13	80.6			2.785424	
5	1	13	85.2			3.523519	
6	2	13	88.5	1423		4.204826	
7	3	13	72.8	1515	1264	4.577631	
8	2	13	57.5	1873		5.276691	
9	3	13	59.3	1257	1643	5.872607	1
10	2	13	93.9	1729		6.515003	
11	1	13	87.9			7.122522	
12	2	13	57.6	1418		8.089825	
13	2	13	99.3	1611		8.782047	
14	2	13	71.5	1732		9.44365	
15	2	13	65.7	1252		9.670063	
16	3	13	53.6	1288	1481	10.140548	
17	2	13	86.8	1837		10.79596	
18	1	13	70.9			11.97691	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	58.5	1211		0.263584	1
1	1	12	96.1			0.843273	
2	3	12	95.6	1139	1560	1.738148	
3	2	12	98.6	1058		2.3968	
4	2	12	57	1179		3.096827	
5	2	12	68.8	1932		3.770379	
6	2	12	53.4	1141		4.922198	
7	1	12	80			5.526918	
8	1	12	76.8			6.656081	
9	2	12	94.4	1533		7.26799	
10	2	12	63.7	1519		8.190339	
11	1	12	77.8			8.901711	
12	1	12	73			9.469384	
13	1	12	57.2			10.437564	
14	2	12	65.2	1779		10.574559	
15	1	12	67.3			11.825044	

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	12	58			0.411467	1
1	2	12	86.7	1007		0.722881	
2	2	12	69.6	1614		1.860922	
3	3	12	83.6	1479	1143	2.040264	
4	2	12	98.9	1988		2.64786	
5	2	12	60.3	1235		3.629568	
6	2	12	67.3	1628		3.871472	
7	3	12	58.8	1773	1477	4.719286	
8	3	12	97.9	1071	1028	5.522901	
9	1	12	82.2			6.297245	
10	3	12	83.5	1523	1934	6.541001	
11	2	12	78.3	1133		7.192993	
12	1	12	58.8			7.855147	
13	3	12	80.1	1977	1895	8.668833	
14	3	12	91.5	1745	1699	9.465762	
15	2	12	75.4	1286		9.533196	
16	3	12	79.2	1973	1343	10.149073	
17	3	12	69.3	1911	1229	10.879663	
18	2	12	73.7	1113		11.832099	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	63.2	1299		0.916419	1
1	3	15	53.1	1710	1766	2.329026	
2	2	15	86.6	1096		3.385661	
3	1	15	93.4			5.843869	
4	2	15	80.3	1009		6.036427	
5	2	15	80.9	1694		8.77687	
6	2	15	73.1	1877		10.345561	
7	3	15	52.6	1409	1534	11.257692	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	96.4	1084		0.181101	1
1	3	18	78.7	1360	1136	0.695741	
2	2	18	82.5	1273		1.780123	
3	2	18	76.5	1728		2.512147	
4	3	18	62.4	1479	1532	3.056972	
5	1	18	55.8			3.693626	
6	1	18	78.3			3.797873	
7	1	18	95.6			4.597087	
8	2	18	97.9	1338		5.166447	
9	3	18	68.6	1515	1221	5.993842	
10	2	18	74.3	1135		6.853527	
11	2	18	89.8	1012		7.396613	
12	1	18	79.9			8.023	
13	2	18	91.1	1970		8.804383	
14	3	18	53.4	1586	1226	9.010401	
15	2	18	84.1	1963		9.923941	
16	2	18	79.3	1754		10.514677	
17	2	18	71.6	1670		11.343815	
18	3	18	97.4	1452	1171	11.857159	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	99.5	1213		1.261398	1
1	1	14	64.4			2.231657	
2	2	14	81.9	1096		3.657624	
3	3	14	69.6	1247	1551	5.62355	
4	3	14	77.7	1661	1650	6.477364	
5	1	14	55.5			7.811299	
6	2	14	91.2	1593		9.488676	
7	2	14	81	1970		11.663841	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	91.8	1929		0.148011	1
1	1	14	77			0.724238	
2	1	14	53.4			1.682476	
3	2	14	56.5	1880		2.638052	
4	1	14	59.6			3.117723	
5	3	14	50.7	1304	1136	4.189619	
6	1	14	50.3			4.270419	
7	2	14	52.6	1378		5.410084	
8	2	14	91	1334		5.769062	
9	2	14	58.7	1208		6.785156	
10	2	14	62.6	1619		7.180656	
11	3	14	51.7	1355	1506	8.219226	
12	2	14	57.3	1992		8.476526	
13	2	14	72.8	1526		9.842042	
14	1	14	95.9			10.273898	
15	2	14	75.8	1126		11.101685	
16	2	14	88.5	1523		11.643516	

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	98	1509		0.010383	
1	2	17	74.7	1880		1.806727	
2	2	17	53	1202		2.413401	
3	2	17	71	1887		2.857592	
4	2	17	50.7	1360		4.012509	
5	1	17	78			5.219464	
6	1	17	92.6			5.58348	1
7	2	17	87.6	1998		6.685502	
8	3	17	67.3	1353	1176	8.036741	
9	3	17	78.1	1162	1656	8.483305	
10	2	17	63.6	1103		10.044876	
11	2	17	83.7	1258		10.183291	
12	3	17	78.7	1842	1300	11.139666	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	93.4	1668	1460	0.623009	
1	3	17	62	1469	1856	1.384434	
2	2	17	77.4	1635		1.695541	
3	3	17	51.4	1365	1463	2.613941	
4	1	17	67			3.144555	
5	3	17	72.5	1925	1827	4.227205	
6	2	17	63.2	1068		4.409684	
7	2	17	57.5	1474		5.383838	
8	2	17	98.9	1412		5.803425	1
9	3	17	79	1308	1561	6.804852	
10	2	17	54	1359		7.536366	
11	2	17	96.1	1021		8.101308	
12	1	17	84.1			8.835991	
13	2	17	79	1721		9.210804	
14	1	17	53.7			10.542748	
15	2	17	91.7	1491		11.216515	
16	3	17	80.5	1807	1487	11.934501	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	54.3			0.284333	
1	3	14	56.1	1755	1150	1.041917	
2	2	14	81.1	1499		2.04835	
3	1	14	76.4			2.239607	
4	2	14	68.1	1900		3.218385	
5	1	14	80.2			3.675369	
6	2	14	75.5	1746		4.876623	
7	3	14	92.1	1760	1093	5.585634	
8	2	14	77.1	1469		5.951739	1
9	1	14	85.3			6.531774	
10	2	14	88.3	1473		7.118366	
11	1	14	98.8			7.840795	
12	3	14	64	1366	1852	9.074884	
13	1	14	79.7			9.217394	
14	1	14	88			10.012773	
15	1	14	68.6			11.289621	
16	2	14	87.1	1768		11.93211	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	60.6	1884	1265	0.610576	
1	2	16	79	1039		1.010987	
2	2	16	66.9	1505		1.432563	
3	2	16	80.3	1958		2.46311	
4	1	16	79.6			2.987767	
5	3	16	80.1	1418	1727	3.816047	
6	2	16	73.5	1748		4.7736	
7	3	16	53.3	1578	1850	5.465989	
8	2	16	67.2	1284		5.836869	1
9	2	16	91.4	1938		6.739918	
10	3	16	88.5	1456	1746	7.244422	
11	1	16	93.3			8.214725	
12	2	16	61.2	1412		8.75191	
13	3	16	99.1	1258	1944	9.323856	
14	3	16	74.6	1352	1930	9.892502	
15	1	16	85.5			10.995389	
16	2	16	55.3	1392		11.334912	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	98.7			0.299028	1
1	3	5	85.2	1004	1551	2.210941	
2	2	5	64.8	1887		3.13141	
3	1	5	84.4			5.250002	
4	2	5	83.5	1405		5.843398	
5	2	5	93.4	1164		6.912558	
6	2	5	89.4	1230		8.517653	
7	1	5	99.1			10.453668	
8	2	5	77.1	1643		11.212948	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	67.6			0.920934	1
1	2	15	58.2	1763		1.278581	
2	2	15	99.2	1907		2.948465	
3	1	15	64.7			3.286731	
4	3	15	57.5	1330	1842	4.216124	
5	3	15	95.9	1420	1141	5.419086	
6	2	15	51.1	1776		6.153025	
7	3	15	68.8	1708	1339	7.354621	
8	3	15	64.3	1504	1882	8.541914	
9	1	15	53.4			9.405116	
10	2	15	94.6	1681		10.71933	
11	3	15	92.7	1069	1116	11.826857	

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	13	80.1			0.321471	
1	1	13	79			1.560905	
2	1	13	51.4			3.839992	
3	1	13	51.1			4.091623	
4	2	13	52	1991		6.391888	1
5	2	13	66.7	1481		7.033091	
6	3	13	82.7	1554	1475	8.665057	
7	1	13	64			10.152084	
8	2	13	87.3	1259		11.298992	

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	99.5	1352	1182	0.29629	
1	3	17	79.6	1661	1179	1.717372	
2	3	17	63.1	1466	1041	2.739144	
3	1	17	96.1			3.019011	
4	2	17	81.6	1653		4.516178	
5	3	17	95.8	1053	1632	4.687954	
6	1	17	63			6.121091	1
7	1	17	51.8			7.240295	
8	2	17	61.6	1118		7.945436	
9	3	17	66.2	1060	1827	8.71593	
10	2	17	86.3	1072		9.670947	
11	3	17	83.6	1287	1618	10.418876	
12	2	17	68.3	1375		11.307035	

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	8	78.9	1944		0.818777	
1	2	8	68.3	1080		1.727271	
2	2	8	75.5	1051		2.19946	
3	2	8	55.6	1811		2.844434	
4	2	8	64.9	1143		4.117796	
5	1	8	65.5			4.734123	
6	3	8	76.7	1203	1922	6.267188	1
7	2	8	72.7	1840		6.674564	
8	3	8	54.5	1891	1678	8.090639	
9	2	8	52.4	1364		9.222928	
10	3	8	79	1597	1410	9.539102	
11	1	8	86.4			10.518956	
12	1	8	50.8			11.250285	

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	19	77.8			0.624219	
1	2	19	53.1	1188		0.97732	
2	2	19	64.7	1853		1.422859	
3	1	19	59.1			2.225948	
4	3	19	53.4	1832	1722	3.32201	
5	3	19	75.1	1250	1766	4.215137	
6	2	19	63	1506		4.630277	
7	2	19	88	1439		5.231576	
8	2	19	62.4	1883		6.178304	1
9	3	19	72.6	1405	1601	6.754216	
10	1	19	89.9			7.715792	
11	1	19	55.6			7.923466	
12	3	19	64.1	1008	1178	8.806098	
13	2	19	86.8	1392		9.532876	
14	2	19	72.1	1253		10.365098	
15	2	19	76.2	1172		10.885568	
16	2	19	98.2	1698		11.658029	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	71.7	1150		0.732901	1
1	1	19	71.7			1.770479	
2	2	19	98.8	1594		2.423417	
3	3	19	90.1	1302	1829	3.543553	
4	1	19	87.2			4.068201	
5	1	19	85			5.275674	
6	1	19	98.3			6.218909	
7	2	19	83.5	1299		7.881746	
8	2	19	77	1881		8.608354	
9	2	19	77.8	1671		9.816991	
10	2	19	83.8	1881		10.780664	
11	2	19	90.6	1135		11.843173	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	63.1	1627		0.993853	1
1	2	15	62.1	1964		2.799917	
2	2	15	52.7	1536		4.307854	
3	3	15	69.6	1414	1633	5.800304	
4	2	15	90.5	1740		6.453424	
5	3	15	59.7	1444	1943	8.420495	
6	3	15	92.2	1830	1882	10.398794	
7	2	15	99.1	1278		10.878057	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	70.4	1638	1108	0.308042	
1	3	7	77.7	1930	1377	0.968234	
2	2	7	52.1	1508		1.278134	
3	1	7	88.5			2.275078	
4	2	7	67.5	1495		2.866601	
5	2	7	95.4	1663		3.780664	
6	1	7	82.5			3.820067	
7	2	7	68.6	1075		5.042372	
8	2	7	75.5	1760		5.532689	
9	2	7	59.9	1221		5.778211	1
10	2	7	68.8	1739		6.4799	
11	1	7	74.9			7.237161	
12	2	7	84	1240		8.065683	
13	1	7	95.2			8.768125	
14	1	7	78			9.055775	
15	2	7	60.9	1231		9.674841	
16	2	7	91.6	1105		10.660717	
17	3	7	64.1	1314	1428	10.817281	
18	1	7	56			11.749983	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	75.7	1757		0.606121	
1	2	8	76.5	1999		1.213084	
2	3	8	50.7	1765	1857	1.592722	
3	2	8	59.8	1675		2.035472	
4	2	8	91.4	1473		2.98311	
5	1	8	54.7			3.431551	
6	2	8	55.2	1077		4.115342	
7	2	8	80.1	1444		4.96463	
8	3	8	84.7	1703	1887	5.631903	
9	2	8	87.7	1236		5.853524	1
10	1	8	86.8			6.551617	
11	2	8	69.5	1988		7.082108	
12	2	8	87.4	1647		8.062387	
13	1	8	68.6			8.663848	
14	1	8	53.7			9.173804	
15	3	8	88.6	1685	1927	9.699684	
16	2	8	91.5	1843		10.314065	
17	2	8	82.5	1345		11.320813	
18	2	8	76.2	1921		11.425418	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	91.6			0.521747	
1	3	9	60.5	1330	1744	1.420379	
2	2	9	80.8	1535		1.813178	
3	3	9	69.7	1795	1993	3.107321	
4	2	9	96.6	1663		4.249015	
5	2	9	63.2	1049		4.464203	
6	1	9	86.6			5.67441	
7	1	9	92.4			6.035374	1
8	2	9	86	1709		7.253723	
9	1	9	73.3			8.265782	
10	1	9	84.1			8.57913	
11	1	9	66.7			10.171754	
12	2	9	72.7	1242		10.714794	
13	3	9	55.3	1215	1294	11.921727	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5570	9	1	333	1	5541.0, 5662.0, 5361.0, 5646.0, 5706.0, 5593.0, 5535.0, 5314.0, 5657.0, 5385.0, 5648.0, 5345.0, 5667.0, 5568.0, 5522.0, 5504.0, 5702.0, 5274.0, 5533.0, 5670.0, 5292.0, 5422.0, 5550.0, 5318.0, 5472.0, 5524.0, 5605.0, 5482.0, 5256.0, 5321.0, 5575.0, 5476.0, 5412.0, 5677.0, 5413.0, 5676.0, 5468.0, 5330.0, 5428.0, 5596.0, 5627.0, 5407.0, 5598.0, 5709.0, 5485.0, 5432.0, 5492.0, 5536.0, 5387.0, 5691.0, 5499.0, 5455.0, 5266.0, 5356.0, 5718.0, 5395.0, 5570.0, 5390.0, 5521.0, 5618.0, 5643.0, 5711.0, 5723.0, 5586.0, 5295.0, 5631.0, 5561.0, 5283.0, 5578.0, 5548.0, 5525.0, 5672.0, 5437.0, 5392.0, 5255.0, 5294.0, 5576.0, 5684.0, 5552.0, 5580.0, 5608.0, 5315.0, 5604.0, 5713.0, 5371.0, 5639.0, 5258.0, 5265.0, 5607.0, 5669.0, 5487.0, 5660.0, 5384.0, 5661.0, 5510.0, 5542.0, 5479.0, 5512.0, 5571.0, 5546.0 (number of hits: 41)
2	5570	9	1	333	1	5307.0, 5714.0, 5537.0, 5321.0, 5303.0, 5713.0, 5261.0, 5478.0, 5339.0, 5419.0, 5717.0, 5384.0, 5590.0, 5297.0, 5403.0, 5283.0, 5459.0, 5316.0, 5679.0, 5602.0, 5278.0, 5539.0, 5655.0, 5461.0, 5609.0, 5650.0, 5617.0, 5567.0, 5322.0, 5415.0, 5621.0, 5329.0, 5358.0, 5661.0, 5723.0, 5282.0, 5656.0, 5429.0, 5532.0, 5467.0, 5280.0, 5640.0, 5355.0, 5546.0, 5683.0, 5585.0, 5275.0, 5274.0, 5584.0, 5577.0, 5495.0, 5359.0, 5337.0, 5399.0, 5441.0, 5639.0, 5516.0, 5704.0, 5408.0, 5264.0, 5646.0, 5700.0, 5491.0, 5521.0, 5426.0, 5367.0, 5482.0, 5492.0, 5512.0, 5642.0, 5524.0, 5496.0, 5635.0, 5345.0, 5464.0, 5514.0, 5636.0, 5719.0, 5523.0, 5341.0, 5558.0, 5563.0, 5531.0, 5644.0, 5570.0, 5323.0, 5638.0, 5253.0, 5596.0, 5559.0, 5269.0, 5625.0, 5662.0, 5544.0, 5648.0, 5412.0, 5340.0, 5308.0, 5557.0, 5554.0 (number of hits: 42)
3	5570	9	1	333	1	5669.0, 5487.0, 5268.0, 5389.0, 5250.0, 5515.0, 5674.0, 5543.0, 5497.0, 5304.0, 5622.0, 5374.0, 5274.0, 5483.0, 5343.0, 5310.0, 5570.0, 5305.0, 5511.0, 5472.0, 5626.0, 5567.0, 5457.0, 5535.0, 5315.0, 5591.0, 5441.0, 5466.0, 5548.0, 5460.0, 5405.0, 5666.0, 5578.0, 5492.0, 5719.0, 5474.0, 5576.0, 5335.0, 5683.0, 5385.0, 5604.0, 5270.0, 5600.0, 5433.0, 5261.0, 5348.0, 5593.0, 5506.0, 5414.0, 5363.0, 5377.0, 5640.0, 5362.0, 5579.0, 5641.0, 5689.0, 5700.0, 5287.0, 5651.0, 5456.0, 5687.0, 5294.0, 5599.0, 5323.0, 5387.0, 5501.0, 5646.0, 5409.0, 5635.0, 5403.0,

						5563.0, 5432.0, 5280.0, 5371.0, 5388.0, 5252.0, 5601.0, 5533.0, 5298.0, 5391.0, 5568.0, 5607.0, 5364.0, 5697.0, 5324.0, 5282.0, 5685.0, 5394.0, 5286.0, 5322.0, 5461.0, 5505.0, 5656.0, 5475.0, 5636.0, 5705.0, 5718.0, 5504.0, 5419.0, 5513.0 (number of hits: 34)
4	5570	9	1	333	1	5570.0, 5273.0, 5302.0, 5489.0, 5639.0, 5272.0, 5647.0, 5391.0, 5649.0, 5661.0, 5597.0, 5593.0, 5651.0, 5254.0, 5488.0, 5354.0, 5290.0, 5396.0, 5342.0, 5663.0, 5648.0, 5440.0, 5658.0, 5688.0, 5601.0, 5515.0, 5270.0, 5444.0, 5517.0, 5379.0, 5703.0, 5295.0, 5616.0, 5525.0, 5344.0, 5619.0, 5617.0, 5417.0, 5408.0, 5623.0, 5261.0, 5490.0, 5384.0, 5520.0, 5353.0, 5345.0, 5360.0, 5547.0, 5549.0, 5456.0, 5284.0, 5435.0, 5528.0, 5722.0, 5575.0, 5260.0, 5664.0, 5566.0, 5436.0, 5268.0, 5336.0, 5548.0, 5668.0, 5505.0, 5357.0, 5282.0, 5693.0, 5588.0, 5640.0, 5654.0, 5606.0, 5685.0, 5622.0, 5699.0, 5477.0, 5388.0, 5692.0, 5421.0, 5526.0, 5397.0, 5578.0, 5322.0, 5445.0, 5372.0, 5374.0, 5637.0, 5607.0, 5428.0, 5496.0, 5546.0, 5413.0, 5504.0, 5468.0, 5292.0, 5412.0, 5533.0, 5407.0, 5602.0, 5550.0, 5605.0 (number of hits: 37)
5	5570	9	1	333	1	5290.0, 5279.0, 5713.0, 5318.0, 5372.0, 5631.0, 5339.0, 5353.0, 5408.0, 5484.0, 5267.0, 5472.0, 5254.0, 5707.0, 5502.0, 5263.0, 5397.0, 5704.0, 5437.0, 5678.0, 5538.0, 5561.0, 5551.0, 5361.0, 5681.0, 5666.0, 5331.0, 5265.0, 5576.0, 5593.0, 5255.0, 5383.0, 5497.0, 5320.0, 5514.0, 5721.0, 5667.0, 5305.0, 5588.0, 5494.0, 5644.0, 5434.0, 5469.0, 5544.0, 5660.0, 5325.0, 5580.0, 5312.0, 5608.0, 5386.0, 5523.0, 5479.0, 5457.0, 5280.0, 5569.0, 5568.0, 5716.0, 5358.0, 5558.0, 5575.0, 5622.0, 5636.0, 5574.0, 5645.0, 5672.0, 5404.0, 5521.0, 5381.0, 5550.0, 5257.0, 5300.0, 5601.0, 5466.0, 5458.0, 5549.0, 5594.0, 5407.0, 5528.0, 5691.0, 5438.0, 5340.0, 5306.0, 5258.0, 5554.0, 5368.0, 5589.0, 5525.0, 5332.0, 5303.0, 5402.0, 5451.0, 5378.0, 5330.0, 5634.0, 5602.0, 5638.0, 5483.0, 5663.0, 5662.0, 5583.0 (number of hits: 37)
6	5570	9	1	333	1	5257.0, 5611.0, 5575.0, 5506.0, 5391.0, 5464.0, 5634.0, 5508.0, 5488.0, 5503.0, 5260.0, 5492.0, 5495.0, 5254.0, 5289.0, 5296.0, 5523.0, 5290.0, 5714.0, 5485.0, 5633.0, 5404.0, 5380.0, 5609.0, 5414.0, 5425.0, 5574.0, 5454.0, 5362.0, 5507.0, 5366.0, 5526.0, 5458.0, 5377.0, 5288.0, 5521.0, 5631.0, 5658.0, 5669.0, 5598.0, 5318.0, 5302.0, 5578.0, 5594.0, 5483.0, 5476.0, 5467.0, 5461.0, 5275.0, 5269.0, 5446.0, 5663.0, 5378.0, 5442.0, 5531.0, 5618.0, 5550.0, 5367.0, 5282.0, 5619.0, 5452.0, 5649.0, 5606.0, 5549.0, 5626.0,

						5643.0, 5588.0, 5351.0, 5652.0, 5553.0, 5287.0, 5589.0, 5614.0, 5616.0, 5401.0, 5384.0, 5394.0, 5396.0, 5627.0, 5353.0, 5701.0, 5689.0, 5333.0, 5448.0, 5530.0, 5291.0, 5397.0, 5570.0, 5473.0, 5697.0, 5581.0, 5253.0, 5303.0, 5370.0, 5294.0, 5601.0, 5715.0, 5459.0, 5602.0, 5702.0 (number of hits: 38)
7	5570	9	1	333	1	5592.0, 5698.0, 5323.0, 5296.0, 5326.0, 5548.0, 5615.0, 5525.0, 5333.0, 5431.0, 5708.0, 5384.0, 5697.0, 5648.0, 5662.0, 5327.0, 5511.0, 5301.0, 5270.0, 5551.0, 5414.0, 5489.0, 5626.0, 5607.0, 5561.0, 5628.0, 5329.0, 5269.0, 5369.0, 5260.0, 5279.0, 5257.0, 5597.0, 5388.0, 5576.0, 5403.0, 5512.0, 5474.0, 5379.0, 5585.0, 5650.0, 5390.0, 5377.0, 5538.0, 5336.0, 5324.0, 5317.0, 5571.0, 5562.0, 5451.0, 5598.0, 5422.0, 5256.0, 5686.0, 5482.0, 5290.0, 5350.0, 5544.0, 5497.0, 5529.0, 5429.0, 5325.0, 5691.0, 5682.0, 5355.0, 5499.0, 5322.0, 5618.0, 5493.0, 5271.0, 5547.0, 5400.0, 5550.0, 5508.0, 5707.0, 5344.0, 5486.0, 5568.0, 5487.0, 5339.0, 5533.0, 5371.0, 5318.0, 5251.0, 5541.0, 5259.0, 5527.0, 5358.0, 5485.0, 5580.0, 5397.0, 5709.0, 5522.0, 5584.0, 5663.0, 5536.0, 5286.0, 5373.0, 5491.0, 5302.0 (number of hits: 37)
8	5570	9	1	333	1	5428.0, 5439.0, 5384.0, 5481.0, 5628.0, 5370.0, 5369.0, 5626.0, 5580.0, 5277.0, 5420.0, 5655.0, 5650.0, 5625.0, 5686.0, 5721.0, 5377.0, 5590.0, 5489.0, 5604.0, 5341.0, 5381.0, 5659.0, 5492.0, 5473.0, 5615.0, 5542.0, 5479.0, 5656.0, 5675.0, 5382.0, 5393.0, 5562.0, 5717.0, 5501.0, 5268.0, 5716.0, 5622.0, 5397.0, 5459.0, 5595.0, 5303.0, 5327.0, 5331.0, 5394.0, 5306.0, 5498.0, 5560.0, 5618.0, 5453.0, 5530.0, 5570.0, 5674.0, 5435.0, 5417.0, 5683.0, 5332.0, 5371.0, 5339.0, 5337.0, 5323.0, 5478.0, 5692.0, 5387.0, 5345.0, 5319.0, 5648.0, 5280.0, 5582.0, 5572.0, 5581.0, 5722.0, 5364.0, 5531.0, 5629.0, 5380.0, 5422.0, 5279.0, 5468.0, 5708.0, 5458.0, 5627.0, 5598.0, 5378.0, 5335.0, 5606.0, 5365.0, 5563.0, 5338.0, 5408.0, 5682.0, 5553.0, 5290.0, 5269.0, 5533.0, 5658.0, 5597.0, 5558.0, 5644.0, 5282.0 (number of hits: 33)
9	5570	9	1	333	1	5380.0, 5325.0, 5687.0, 5560.0, 5498.0, 5710.0, 5539.0, 5285.0, 5428.0, 5519.0, 5512.0, 5652.0, 5482.0, 5370.0, 5722.0, 5389.0, 5510.0, 5410.0, 5290.0, 5346.0, 5691.0, 5330.0, 5291.0, 5517.0, 5374.0, 5520.0, 5553.0, 5299.0, 5288.0, 5668.0, 5533.0, 5343.0, 5628.0, 5531.0, 5447.0, 5294.0, 5556.0, 5253.0, 5477.0, 5358.0, 5630.0, 5631.0, 5427.0, 5550.0, 5700.0, 5552.0, 5252.0, 5267.0, 5326.0, 5359.0, 5672.0, 5307.0, 5284.0, 5562.0, 5424.0, 5656.0, 5419.0, 5684.0, 5516.0, 5306.0,

						5394.0, 5383.0, 5486.0, 5651.0, 5455.0, 5300.0, 5650.0, 5488.0, 5418.0, 5265.0, 5351.0, 5444.0, 5598.0, 5642.0, 5564.0, 5644.0, 5605.0, 5295.0, 5363.0, 5688.0, 5603.0, 5578.0, 5513.0, 5683.0, 5413.0, 5702.0, 5430.0, 5263.0, 5261.0, 5545.0, 5251.0, 5320.0, 5335.0, 5694.0, 5392.0, 5483.0, 5403.0, 5654.0, 5354.0, 5283.0 (number of hits: 28)
10	5570	9	1	333	1	5321.0, 5510.0, 5314.0, 5366.0, 5462.0, 5289.0, 5707.0, 5468.0, 5610.0, 5307.0, 5354.0, 5539.0, 5357.0, 5640.0, 5671.0, 5584.0, 5288.0, 5269.0, 5296.0, 5517.0, 5699.0, 5721.0, 5514.0, 5428.0, 5400.0, 5492.0, 5286.0, 5475.0, 5535.0, 5605.0, 5635.0, 5678.0, 5420.0, 5394.0, 5653.0, 5446.0, 5466.0, 5664.0, 5374.0, 5717.0, 5577.0, 5552.0, 5304.0, 5350.0, 5661.0, 5406.0, 5488.0, 5424.0, 5566.0, 5596.0, 5332.0, 5614.0, 5651.0, 5401.0, 5457.0, 5531.0, 5293.0, 5592.0, 5715.0, 5648.0, 5553.0, 5659.0, 5315.0, 5619.0, 5656.0, 5376.0, 5637.0, 5386.0, 5463.0, 5262.0, 5693.0, 5590.0, 5690.0, 5483.0, 5362.0, 5430.0, 5265.0, 5521.0, 5437.0, 5290.0, 5343.0, 5399.0, 5353.0, 5392.0, 5612.0, 5330.0, 5537.0, 5581.0, 5287.0, 5363.0, 5277.0, 5273.0, 5668.0, 5444.0, 5511.0, 5442.0, 5309.0, 5413.0, 5692.0, 5313.0 (number of hits: 28)
11	5570	9	1	333	1	5691.0, 5713.0, 5251.0, 5661.0, 5539.0, 5579.0, 5636.0, 5256.0, 5508.0, 5662.0, 5668.0, 5663.0, 5303.0, 5491.0, 5465.0, 5289.0, 5319.0, 5720.0, 5338.0, 5633.0, 5478.0, 5287.0, 5436.0, 5307.0, 5392.0, 5403.0, 5272.0, 5555.0, 5395.0, 5564.0, 5383.0, 5355.0, 5635.0, 5672.0, 5471.0, 5446.0, 5512.0, 5325.0, 5327.0, 5472.0, 5373.0, 5510.0, 5517.0, 5385.0, 5659.0, 5482.0, 5410.0, 5454.0, 5698.0, 5486.0, 5424.0, 5592.0, 5489.0, 5521.0, 5702.0, 5701.0, 5496.0, 5544.0, 5576.0, 5390.0, 5565.0, 5569.0, 5683.0, 5669.0, 5499.0, 5311.0, 5310.0, 5284.0, 5279.0, 5357.0, 5706.0, 5453.0, 5533.0, 5404.0, 5506.0, 5723.0, 5600.0, 5437.0, 5260.0, 5399.0, 5708.0, 5438.0, 5277.0, 5377.0, 5595.0, 5681.0, 5648.0, 5439.0, 5617.0, 5673.0, 5622.0, 5328.0, 5324.0, 5353.0, 5440.0, 5263.0, 5581.0, 5619.0, 5282.0, 5538.0 (number of hits: 30)
12	5570	9	1	333	1	5491.0, 5295.0, 5624.0, 5637.0, 5380.0, 5309.0, 5626.0, 5403.0, 5254.0, 5617.0, 5298.0, 5259.0, 5690.0, 5580.0, 5613.0, 5545.0, 5264.0, 5479.0, 5546.0, 5274.0, 5315.0, 5430.0, 5704.0, 5574.0, 5715.0, 5495.0, 5709.0, 5286.0, 5641.0, 5398.0, 5565.0, 5519.0, 5305.0, 5697.0, 5312.0, 5402.0, 5702.0, 5446.0, 5653.0, 5670.0, 5477.0, 5445.0, 5488.0, 5340.0, 5600.0, 5669.0, 5387.0, 5480.0, 5421.0, 5324.0, 5347.0, 5662.0, 5528.0, 5602.0, 5432.0,

						5657.0, 5509.0, 5671.0, 5644.0, 5611.0, 5267.0, 5515.0, 5543.0, 5608.0, 5350.0, 5720.0, 5362.0, 5634.0, 5536.0, 5711.0, 5352.0, 5632.0, 5307.0, 5423.0, 5478.0, 5627.0, 5569.0, 5279.0, 5531.0, 5452.0, 5642.0, 5508.0, 5623.0, 5542.0, 5392.0, 5604.0, 5679.0, 5434.0, 5544.0, 5289.0, 5534.0, 5435.0, 5373.0, 5618.0, 5654.0, 5520.0, 5316.0, 5390.0, 5581.0, 5585.0 (number of hits: 40)
13	5570	9	1	333	1	5653.0, 5428.0, 5422.0, 5336.0, 5474.0, 5296.0, 5494.0, 5562.0, 5338.0, 5495.0, 5309.0, 5289.0, 5496.0, 5383.0, 5287.0, 5557.0, 5354.0, 5501.0, 5702.0, 5546.0, 5554.0, 5526.0, 5372.0, 5314.0, 5301.0, 5599.0, 5318.0, 5523.0, 5513.0, 5454.0, 5473.0, 5676.0, 5565.0, 5695.0, 5623.0, 5279.0, 5646.0, 5668.0, 5598.0, 5592.0, 5403.0, 5667.0, 5534.0, 5622.0, 5402.0, 5366.0, 5462.0, 5374.0, 5549.0, 5310.0, 5399.0, 5713.0, 5431.0, 5687.0, 5675.0, 5451.0, 5322.0, 5427.0, 5302.0, 5281.0, 5683.0, 5464.0, 5568.0, 5448.0, 5423.0, 5273.0, 5719.0, 5258.0, 5363.0, 5660.0, 5506.0, 5421.0, 5378.0, 5470.0, 5425.0, 5632.0, 5614.0, 5384.0, 5575.0, 5586.0, 5276.0, 5658.0, 5456.0, 5254.0, 5505.0, 5581.0, 5286.0, 5564.0, 5518.0, 5691.0, 5612.0, 5572.0, 5459.0, 5432.0, 5436.0, 5389.0, 5514.0, 5559.0, 5596.0, 5709.0 (number of hits: 35)
14	5570	9	1	333	1	5508.0, 5527.0, 5579.0, 5560.0, 5261.0, 5406.0, 5655.0, 5391.0, 5321.0, 5496.0, 5703.0, 5452.0, 5645.0, 5255.0, 5385.0, 5521.0, 5303.0, 5462.0, 5706.0, 5428.0, 5486.0, 5390.0, 5426.0, 5411.0, 5336.0, 5658.0, 5555.0, 5345.0, 5620.0, 5619.0, 5274.0, 5660.0, 5311.0, 5284.0, 5474.0, 5691.0, 5482.0, 5409.0, 5637.0, 5483.0, 5289.0, 5529.0, 5285.0, 5711.0, 5654.0, 5322.0, 5435.0, 5270.0, 5707.0, 5300.0, 5278.0, 5317.0, 5378.0, 5334.0, 5491.0, 5715.0, 5268.0, 5401.0, 5710.0, 5374.0, 5543.0, 5478.0, 5447.0, 5397.0, 5404.0, 5437.0, 5290.0, 5540.0, 5598.0, 5693.0, 5626.0, 5507.0, 5386.0, 5277.0, 5458.0, 5570.0, 5558.0, 5524.0, 5697.0, 5399.0, 5453.0, 5696.0, 5702.0, 5314.0, 5603.0, 5681.0, 5573.0, 5705.0, 5511.0, 5569.0, 5331.0, 5583.0, 5471.0, 5351.0, 5481.0, 5339.0, 5456.0, 5318.0, 5422.0, 5523.0 (number of hits: 27)
15	5570	9	1	333	1	5278.0, 5315.0, 5411.0, 5556.0, 5586.0, 5393.0, 5465.0, 5309.0, 5606.0, 5616.0, 5548.0, 5460.0, 5578.0, 5710.0, 5323.0, 5672.0, 5499.0, 5696.0, 5264.0, 5353.0, 5524.0, 5322.0, 5423.0, 5400.0, 5403.0, 5379.0, 5328.0, 5558.0, 5596.0, 5702.0, 5383.0, 5687.0, 5324.0, 5305.0, 5604.0, 5478.0, 5550.0, 5295.0, 5669.0, 5266.0, 5599.0, 5553.0, 5304.0, 5612.0, 5581.0, 5288.0, 5271.0, 5674.0, 5405.0, 5303.0,

						5251.0, 5308.0, 5603.0, 5424.0, 5395.0, 5269.0, 5334.0, 5431.0, 5533.0, 5476.0, 5374.0, 5598.0, 5443.0, 5387.0, 5352.0, 5634.0, 5300.0, 5426.0, 5299.0, 5670.0, 5380.0, 5547.0, 5385.0, 5514.0, 5412.0, 5382.0, 5617.0, 5577.0, 5506.0, 5508.0, 5438.0, 5368.0, 5307.0, 5310.0, 5679.0, 5632.0, 5620.0, 5650.0, 5413.0, 5504.0, 5627.0, 5282.0, 5316.0, 5602.0, 5546.0, 5369.0, 5481.0, 5676.0, 5513.0, 5501.0 (number of hits: 34)
16	5570	9	1	333	1	5549.0, 5546.0, 5309.0, 5252.0, 5395.0, 5579.0, 5484.0, 5674.0, 5439.0, 5294.0, 5420.0, 5506.0, 5574.0, 5712.0, 5668.0, 5438.0, 5660.0, 5598.0, 5659.0, 5444.0, 5406.0, 5336.0, 5434.0, 5675.0, 5580.0, 5263.0, 5381.0, 5282.0, 5628.0, 5538.0, 5638.0, 5684.0, 5568.0, 5399.0, 5723.0, 5432.0, 5647.0, 5460.0, 5505.0, 5320.0, 5279.0, 5425.0, 5605.0, 5480.0, 5423.0, 5600.0, 5669.0, 5478.0, 5592.0, 5672.0, 5626.0, 5329.0, 5485.0, 5644.0, 5722.0, 5291.0, 5459.0, 5417.0, 5372.0, 5611.0, 5465.0, 5622.0, 5418.0, 5410.0, 5264.0, 5656.0, 5374.0, 5315.0, 5569.0, 5616.0, 5695.0, 5609.0, 5272.0, 5397.0, 5271.0, 5302.0, 5689.0, 5624.0, 5357.0, 5658.0, 5365.0, 5276.0, 5619.0, 5387.0, 5677.0, 5651.0, 5322.0, 5427.0, 5334.0, 5637.0, 5493.0, 5284.0, 5468.0, 5351.0, 5368.0, 5566.0, 5533.0, 5720.0, 5358.0, 5379.0 (number of hits: 29)
17	5570	9	1	333	1	5611.0, 5376.0, 5311.0, 5606.0, 5627.0, 5588.0, 5298.0, 5534.0, 5608.0, 5369.0, 5599.0, 5514.0, 5659.0, 5531.0, 5620.0, 5444.0, 5516.0, 5454.0, 5421.0, 5295.0, 5714.0, 5371.0, 5453.0, 5255.0, 5585.0, 5386.0, 5684.0, 5539.0, 5385.0, 5677.0, 5440.0, 5559.0, 5493.0, 5476.0, 5374.0, 5549.0, 5569.0, 5625.0, 5437.0, 5380.0, 5401.0, 5323.0, 5607.0, 5616.0, 5540.0, 5617.0, 5550.0, 5554.0, 5614.0, 5581.0, 5570.0, 5492.0, 5419.0, 5315.0, 5420.0, 5609.0, 5378.0, 5494.0, 5347.0, 5361.0, 5656.0, 5334.0, 5676.0, 5291.0, 5299.0, 5560.0, 5720.0, 5477.0, 5667.0, 5706.0, 5426.0, 5296.0, 5302.0, 5368.0, 5537.0, 5351.0, 5309.0, 5326.0, 5696.0, 5596.0, 5511.0, 5536.0, 5394.0, 5544.0, 5481.0, 5566.0, 5365.0, 5322.0, 5424.0, 5335.0, 5447.0, 5545.0, 5669.0, 5645.0, 5682.0, 5568.0, 5626.0, 5651.0, 5363.0, 5678.0 (number of hits: 41)
18	5570	9	1	333	1	5632.0, 5291.0, 5605.0, 5435.0, 5451.0, 5422.0, 5589.0, 5355.0, 5568.0, 5442.0, 5406.0, 5333.0, 5254.0, 5695.0, 5467.0, 5352.0, 5497.0, 5432.0, 5274.0, 5477.0, 5289.0, 5311.0, 5447.0, 5693.0, 5651.0, 5555.0, 5460.0, 5615.0, 5376.0, 5262.0, 5517.0, 5659.0, 5488.0, 5500.0, 5348.0, 5553.0, 5498.0, 5391.0, 5680.0, 5501.0, 5573.0, 5266.0, 5639.0, 5465.0, 5459.0,

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21	5570	9	1	333	1	5364.0, 5314.0, 5507.0, 5593.0, 5438.0, 5586.0, 5702.0, 5293.0, 5711.0, 5426.0, 5260.0, 5500.0, 5280.0, 5655.0, 5722.0, 5308.0, 5444.0, 5447.0, 5340.0, 5501.0, 5636.0, 5632.0, 5667.0, 5494.0, 5514.0, 5309.0, 5376.0, 5511.0, 5585.0, 5572.0, 5607.0, 5540.0, 5404.0, 5680.0, 5283.0, 5713.0, 5619.0, 5697.0, 5351.0, 5559.0,

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22	5570	9	1	333	1	5663.0, 5364.0, 5698.0, 5464.0, 5713.0, 5450.0, 5563.0, 5625.0, 5339.0, 5594.0, 5658.0, 5261.0, 5710.0, 5683.0, 5256.0, 5371.0, 5337.0, 5390.0, 5340.0, 5643.0, 5696.0, 5566.0, 5388.0, 5542.0, 5355.0, 5403.0, 5342.0, 5646.0, 5666.0, 5272.0, 5654.0, 5600.0, 5681.0, 5640.0, 5262.0, 5314.0, 5286.0, 5258.0, 5440.0, 5424.0, 5329.0, 5319.0, 5579.0, 5716.0, 5399.0, 5409.0, 5373.0, 5532.0, 5669.0, 5381.0, 5372.0, 5427.0, 5671.0, 5521.0, 5288.0, 5653.0, 5421.0, 5333.0, 5404.0, 5416.0, 5707.0, 5320.0, 5480.0, 5303.0, 5682.0, 5370.0, 5614.0, 5312.0, 5644.0, 5438.0, 5354.0, 5471.0, 5675.0, 5445.0, 5662.0, 5456.0, 5555.0, 5363.0, 5714.0, 5667.0, 5452.0, 5380.0, 5327.0, 5294.0, 5472.0, 5664.0, 5538.0, 5291.0, 5588.0, 5366.0, 5270.0, 5358.0, 5668.0, 5708.0, 5451.0, 5514.0, 5618.0, 5601.0, 5290.0, 5515.0 (number of hits: 21)
23	5570	9	1	333	1	5599.0, 5416.0, 5527.0, 5325.0, 5504.0, 5571.0, 5636.0, 5424.0, 5604.0, 5702.0, 5275.0, 5477.0, 5676.0, 5662.0, 5269.0, 5422.0, 5596.0, 5369.0, 5263.0, 5505.0, 5622.0, 5681.0, 5522.0, 5399.0, 5609.0, 5342.0, 5407.0, 5370.0, 5395.0, 5250.0, 5503.0, 5331.0, 5663.0, 5459.0, 5668.0, 5313.0, 5538.0, 5721.0, 5402.0, 5672.0, 5586.0, 5547.0, 5298.0, 5393.0, 5534.0, 5457.0, 5665.0, 5589.0, 5542.0, 5521.0, 5364.0, 5704.0, 5361.0, 5328.0, 5468.0, 5255.0, 5435.0, 5610.0, 5583.0, 5276.0, 5506.0, 5563.0, 5578.0, 5685.0, 5420.0, 5323.0, 5260.0, 5637.0, 5501.0, 5535.0, 5427.0, 5693.0, 5434.0, 5315.0, 5546.0, 5569.0, 5330.0, 5699.0, 5645.0, 5641.0, 5516.0, 5614.0, 5281.0, 5623.0, 5438.0, 5414.0, 5340.0, 5518.0, 5671.0, 5617.0, 5543.0, 5431.0, 5471.0, 5696.0, 5262.0, 5391.0, 5720.0, 5577.0, 5642.0, 5712.0 (number of hits: 39)
24	5570	9	1	333	1	5445.0, 5399.0, 5432.0, 5271.0, 5663.0, 5413.0, 5435.0, 5267.0, 5573.0, 5339.0, 5462.0, 5293.0, 5367.0, 5461.0, 5383.0, 5646.0, 5629.0, 5545.0, 5329.0, 5677.0, 5713.0, 5648.0, 5627.0, 5679.0, 5593.0, 5336.0, 5374.0, 5541.0, 5635.0, 5560.0, 5702.0, 5372.0, 5460.0, 5263.0, 5281.0,

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30	5570	9	1	333	1	5632.0, 5368.0, 5442.0, 5707.0, 5713.0, 5347.0, 5345.0, 5380.0, 5293.0, 5361.0, 5594.0, 5619.0, 5508.0, 5334.0, 5704.0, 5510.0, 5284.0, 5351.0, 5493.0, 5486.0, 5528.0, 5465.0, 5412.0, 5408.0, 5481.0,

						5385.0, 5694.0, 5627.0, 5489.0, 5422.0, 5520.0, 5410.0, 5346.0, 5591.0, 5267.0, 5714.0, 5282.0, 5667.0, 5253.0, 5399.0, 5702.0, 5519.0, 5369.0, 5631.0, 5468.0, 5563.0, 5686.0, 5557.0, 5297.0, 5601.0, 5642.0, 5578.0, 5582.0, 5630.0, 5261.0, 5480.0, 5310.0, 5251.0, 5598.0, 5668.0, 5401.0, 5454.0, 5350.0, 5386.0, 5444.0, 5274.0, 5404.0, 5323.0, 5710.0, 5254.0, 5384.0, 5437.0, 5265.0, 5479.0, 5500.0, 5376.0, 5625.0, 5547.0, 5654.0, 5371.0, 5521.0, 5295.0, 5532.0, 5607.0, 5657.0, 5364.0, 5566.0, 5365.0, 5603.0, 5466.0, 5266.0, 5512.0, 5518.0, 5604.0, 5332.0, 5294.0, 5305.0, 5389.0, 5685.0, 5450.0 (number of hits: 31)

10 Annex A (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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