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

For

Fortinet, Inc.

899 Kifer Road
Sunnyvale, CA 94086

<div>

FCC ID: TVE-241BC041
IC: 7280B-241BC041
Models: FortiAP U223EV, FORTIAP-U223EV, FAP-U223EV,
FortiAP U221EV, FORTIAP-U221EV, FAP-U221EV

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Report Type:		Product Type:	
DFS Report		Access Point	
Prepared By:	Vincent Licata Test Engineer		
Report Number:	R1808243-DFS		
Report Date:	2018-09-20		
Reviewed By:	Jin Yang RF Lead		
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1808243-DFS	DFS Report	-

1   General Description

1.1   Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of Fortinet, Inc., and their product models: FortiAP U223EV, FORTIAP-U223EV, FAP-U223EV, FortiAP U221EV, FORTIAP-U221EV, FAP-U221EV, FCC ID: TVE-241BC041, IC: 7280B-241BC041, or the "EUT" as referred to in this report. The EUT is an access point.

Please refer to Declaration of Similarity letter provided by the manufacturer in Annex C of this report for the difference between FAP-U221EV and FAP-U223EV.

1.2   Objective

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

The objective is to determine compliance with FCC 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.

1.3   Related Submittal(s)/Grant(s)

N/A

1.4   Test Methodology

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

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

1.5   Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in the field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Parameter	Measurement uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.57 dB
Power Spectral Density, conducted	±1.48dB
Unwanted Emissions, conducted	±1.57dB
All emissions, radiated	±4.0 dB
AC power line Conducted Emission	±2.0 dB
Temperature	±2 ° C
Humidity	±5 %
DC and low frequency voltages	±1.0 %
Time	±2 %
Duty Cycle	±3 %

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 Appendix 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 3279.02),* 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 3279.03)* 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 3279.01)* **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):
       o BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;

-       o   NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
  - o   EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)
  - o   Radio Equipment (RE) Directive 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)
  - o   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:
  - o   ENERGY STAR Recognized Test Laboratory – US EPA
  - o   Telecommunications Certification Body (TCB) – US FCC;
  - o   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 CFR47 §15.407 (h), RSS-247 Issue 2and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

2.2   EUT Exercise Software

The test firmware used was Putty.exe provided by *Fortinet Inc.,* the software is comply with the standard requirements being tested against.

2.3   Local Support Equipment

Manufacturer	Description	Model
Dell Inc.	Laptop	E6410
Fortinet	Controller-1	FortiWiFi 60D
Fortinet	Meru Controller	MC1550

2.4   Interface Ports and Cabling

Cable Description	Length (M)	From	To
RJ 45 (CAT 5)	< 3	Controller-1	POE
RJ 45 (CAT 5)	< 3	Controller-2	Controller-1
RJ 45 (CAT 5)	< 3	Laptop	Controller-1
RJ 45 (CAT 5)	< 3	POE	EUT
Serial Cable	< 3	EUT	Laptop

2.5   Power Supply and Line Filters

Manufacturer	Description	Model
Microsemi	POE injector	9001GR

2.6 Duty Cycle

Unit	Frequency (MHz)	Duty Cycle (%)	Limit (%)
FOS	5260	17.78	17
	5270	19.00	17
	5290	20.47	17
	5500	18.21	17
	5510	18.47	17
	5530	17.30	17
MERU	5260	17.57	17
	5270	20.85	17
	5290	17.55	17
	5500	17.36	17
	5510	20.59	17
	5530	18.25	17

Please refer to the following plots

5260 MHz DC FOS
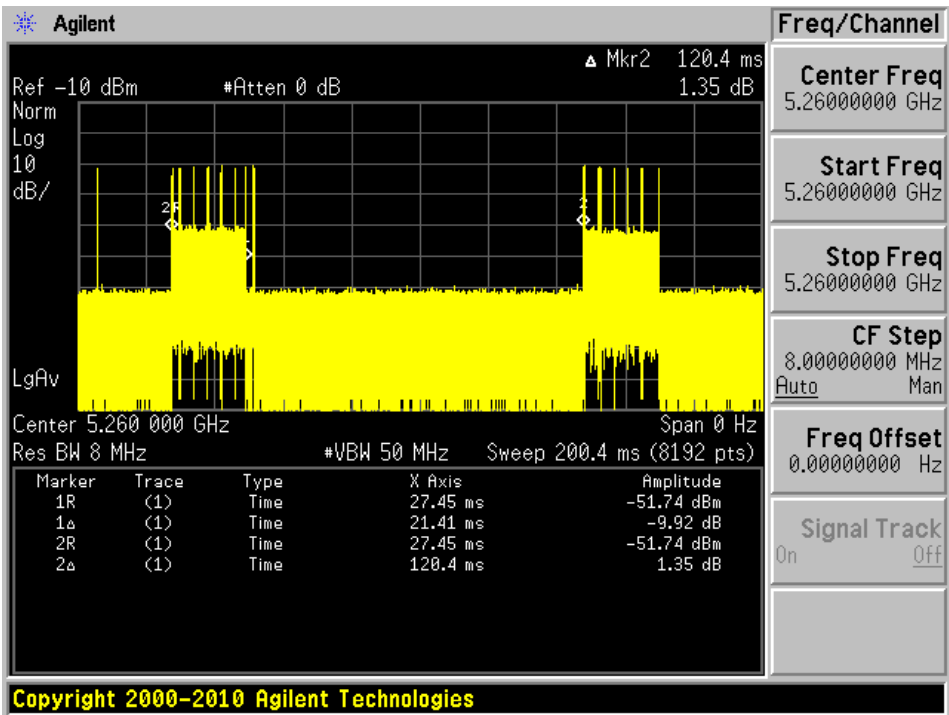
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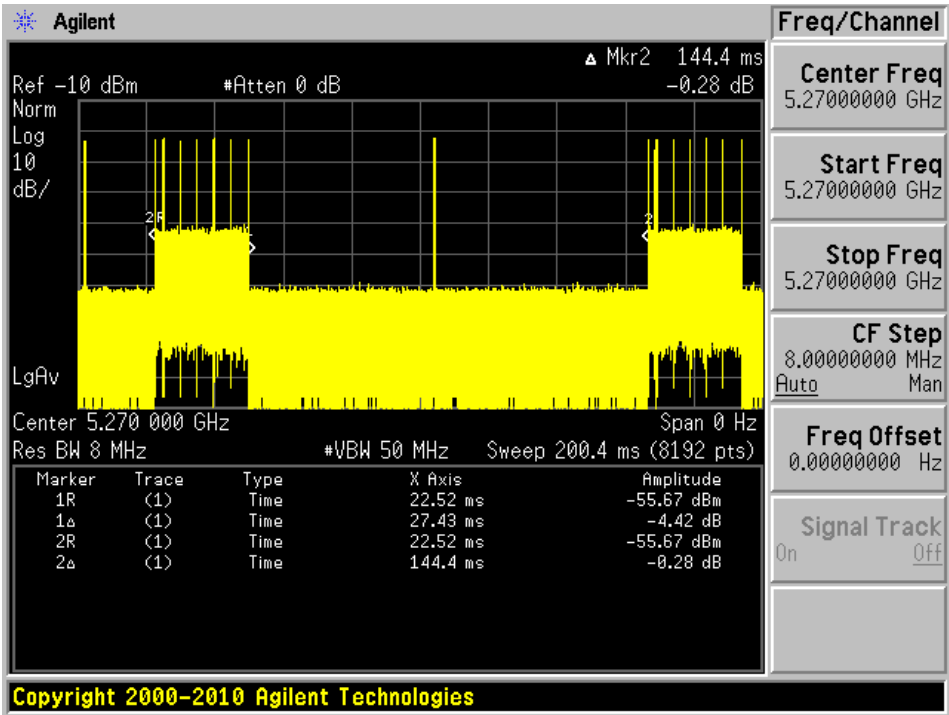
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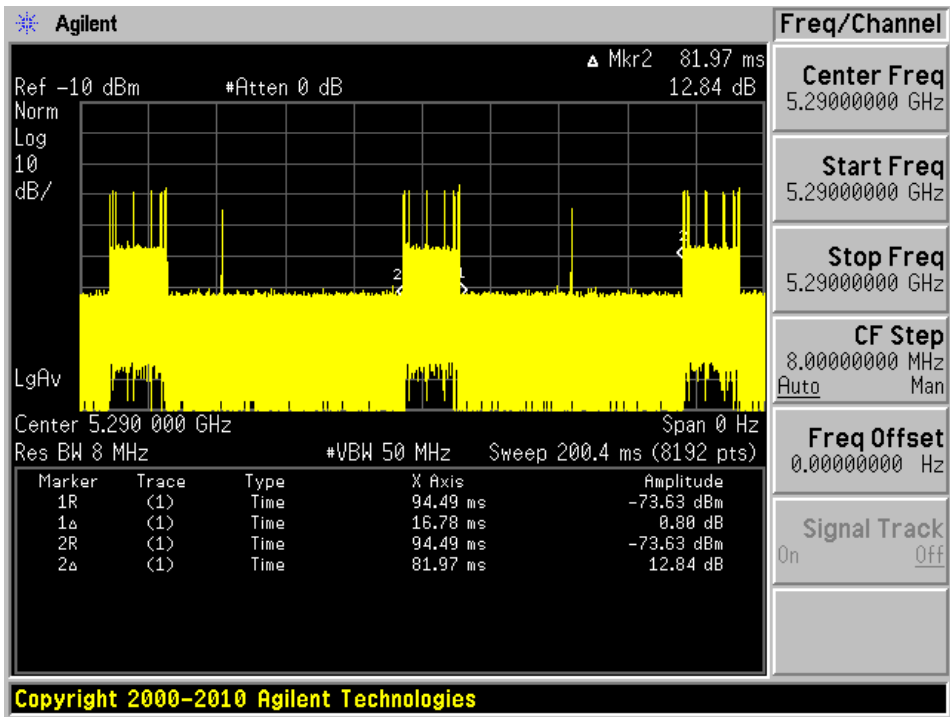
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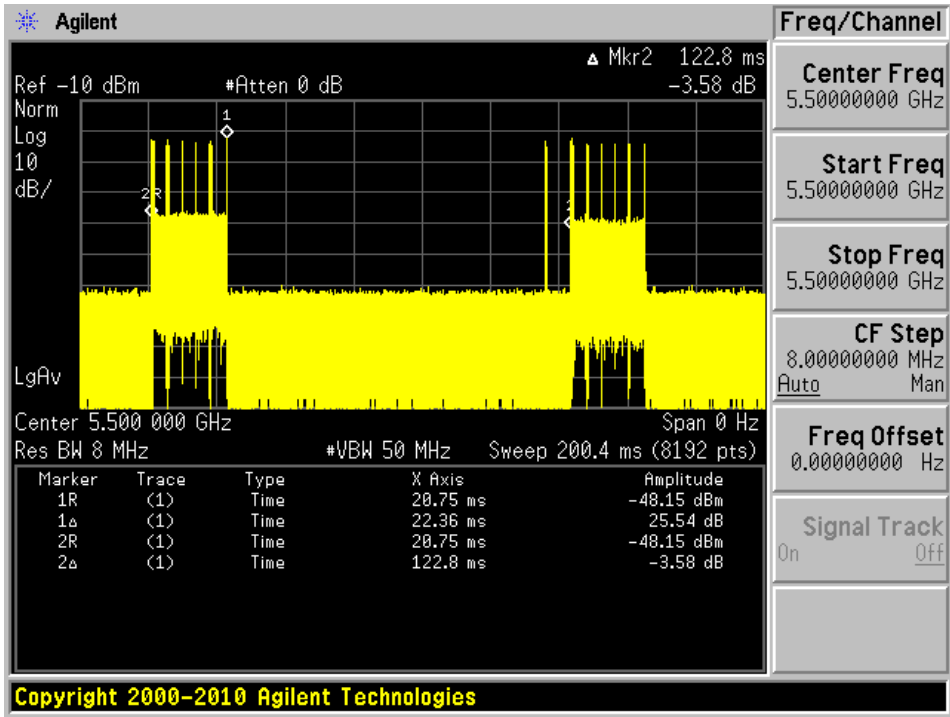
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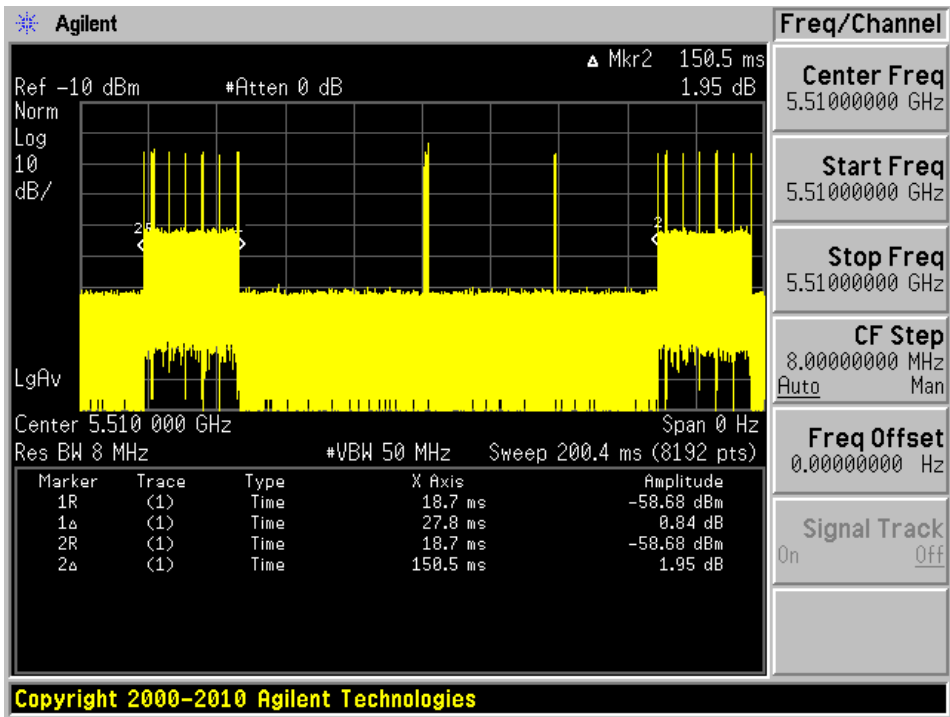
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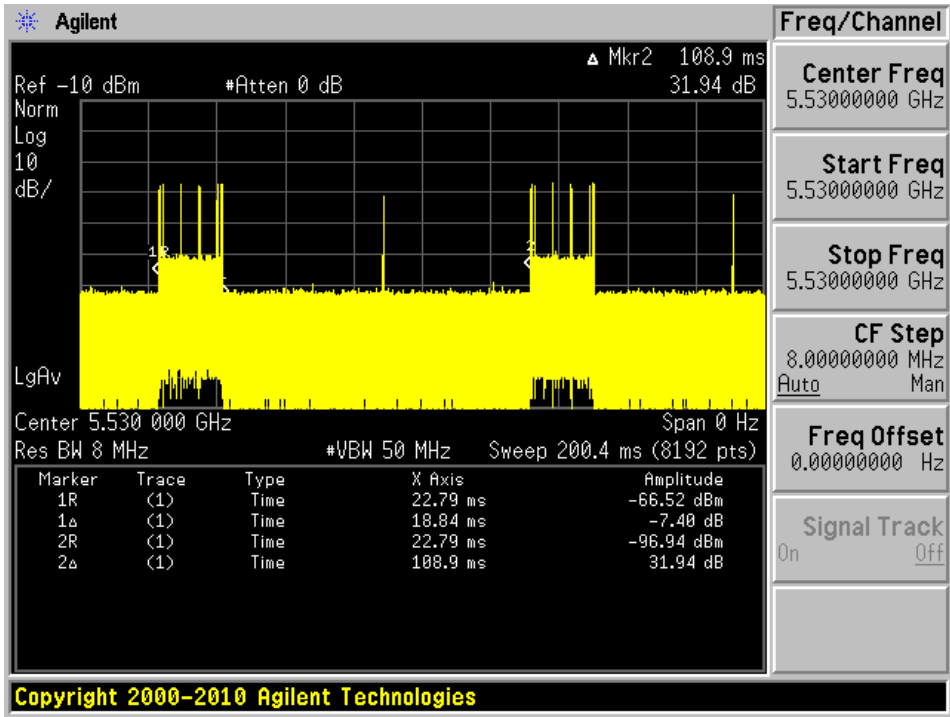
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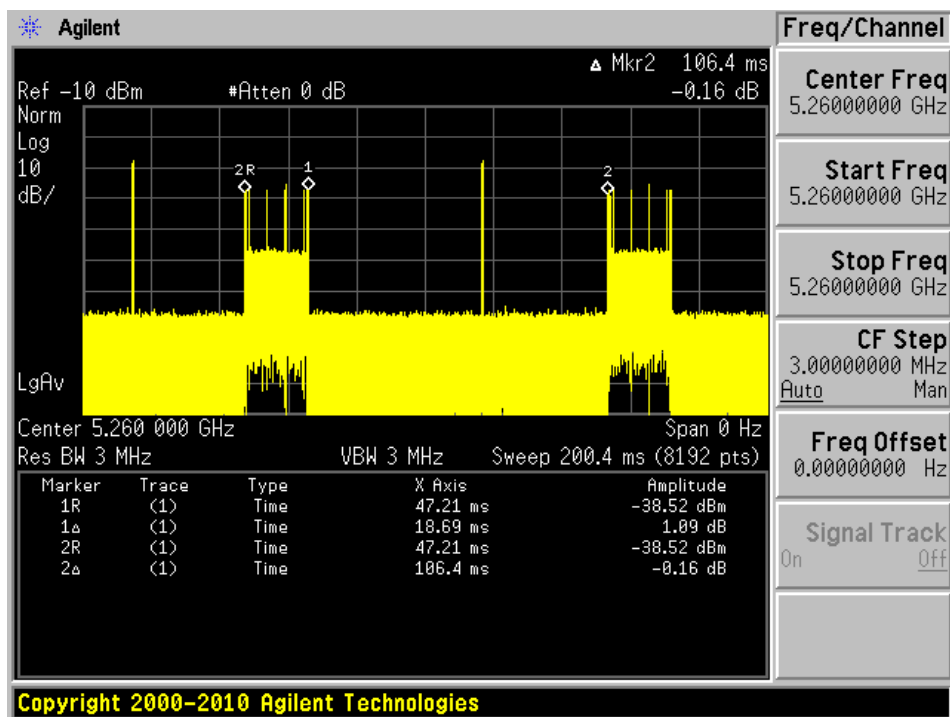
**5270 MHz DC MERU**
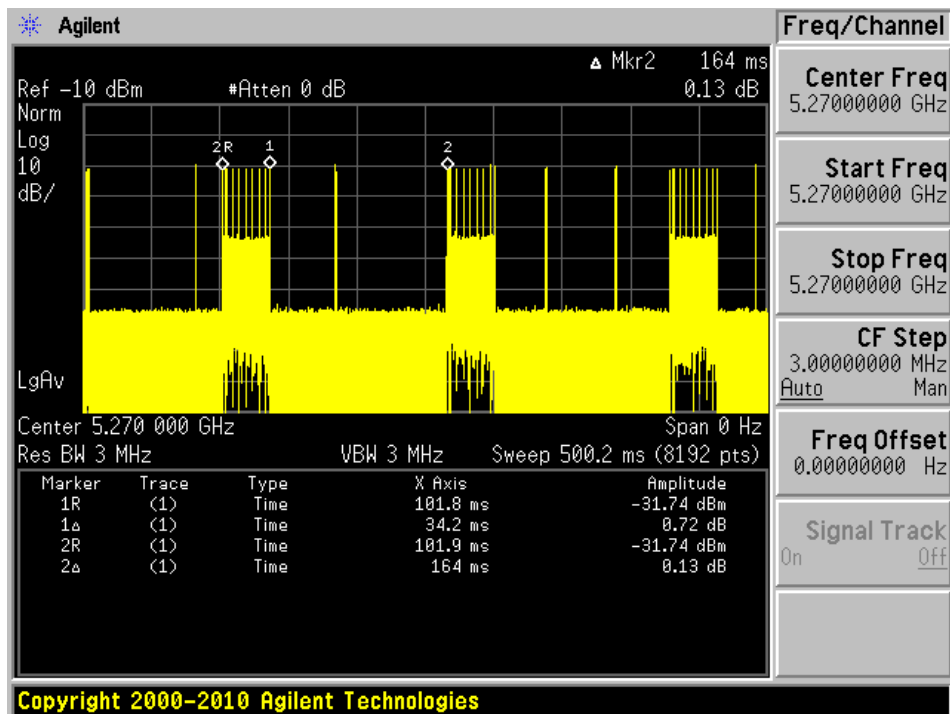
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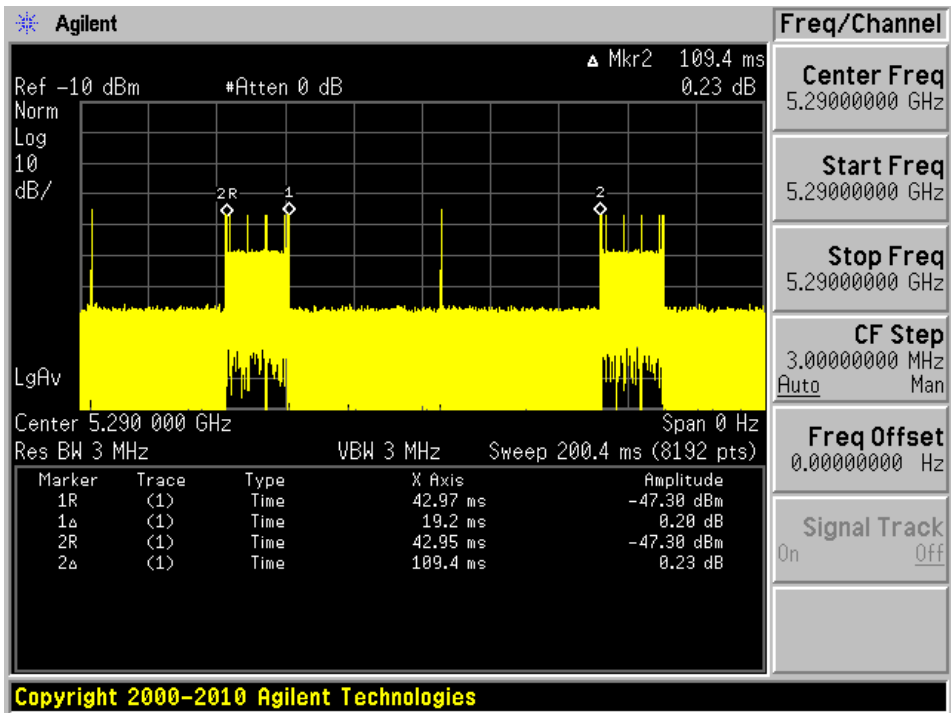
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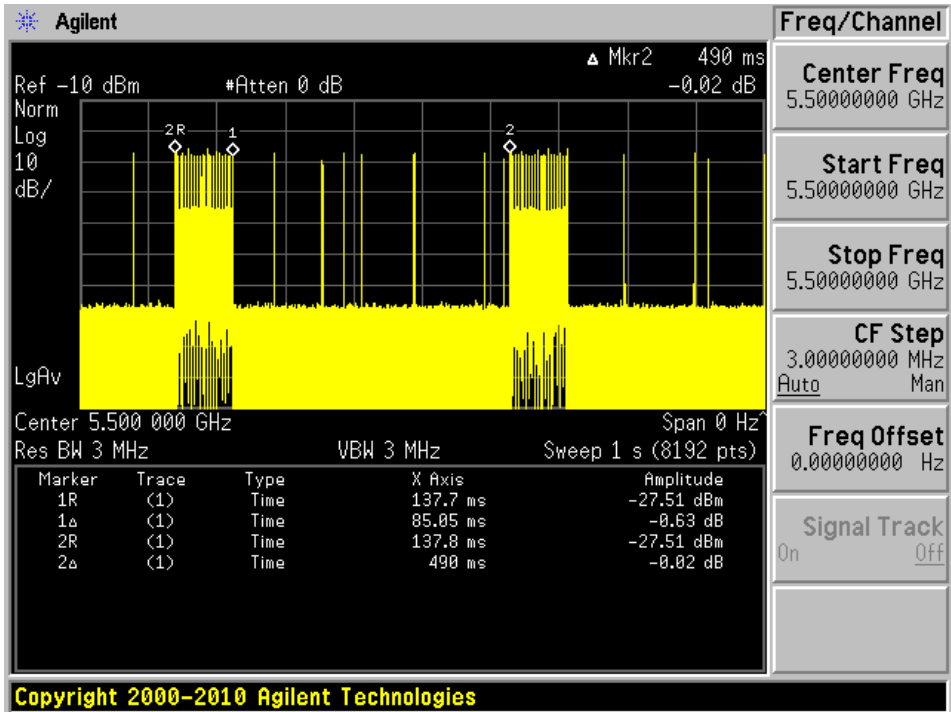
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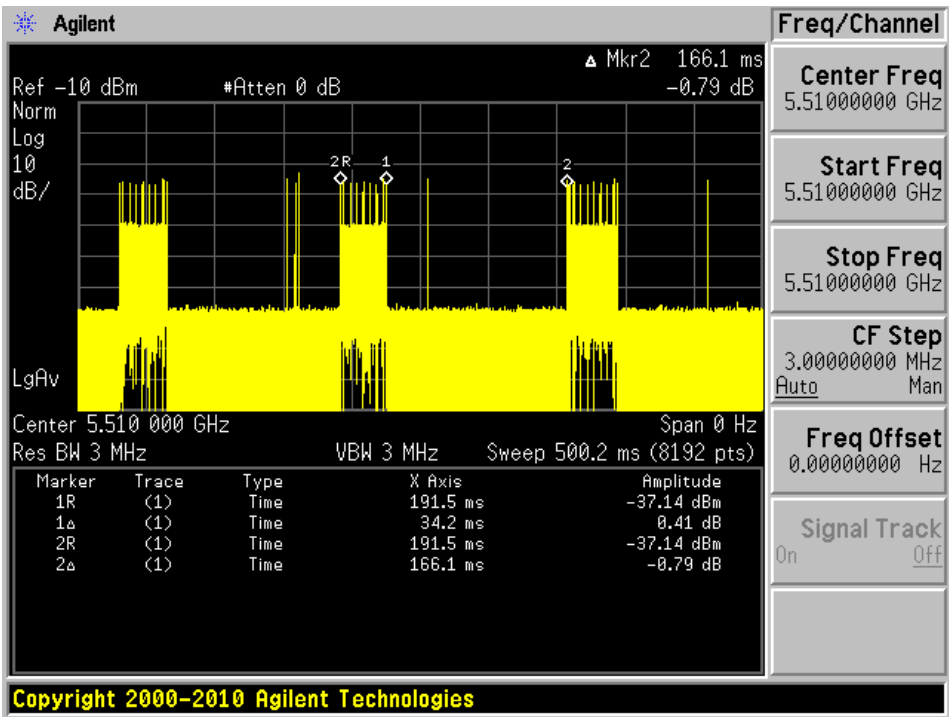
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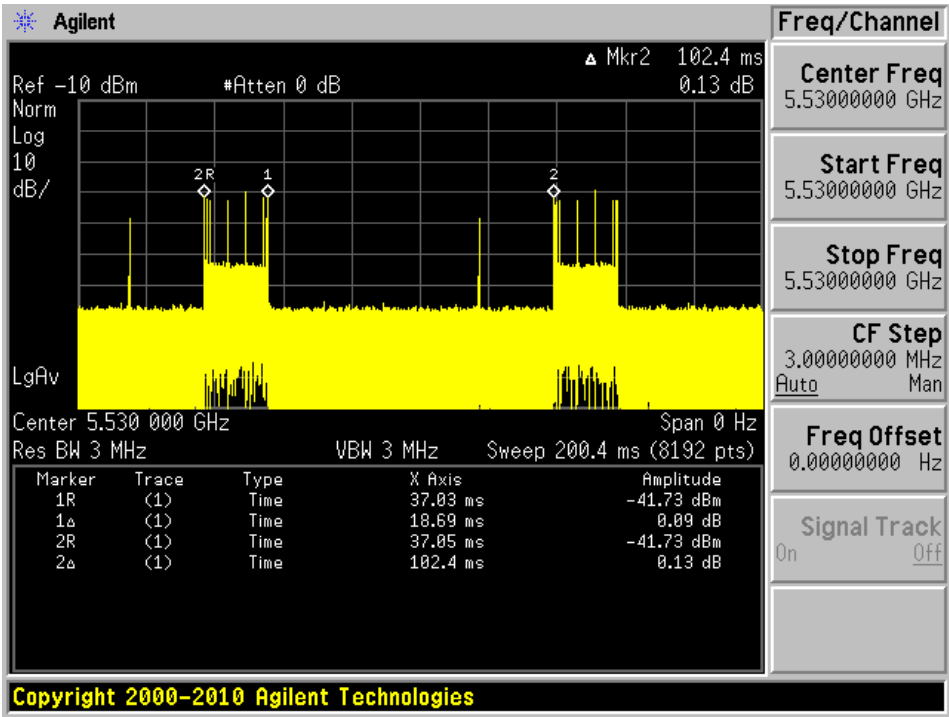
3   Summary of Test Results

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	$\text{Roundup}\left\{\dfrac{\left(\frac{1}{360}\right)\cdot}{\left(\frac{19\cdot10^{6}}{PRI_{\mu sec}}\right)}\right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 6: Long Pulse Radar Test Signal

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

Table 7: Frequency Hopping Radar Test Signal

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

4.2   DFS Measurement System

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

4.3   System Block Diagram
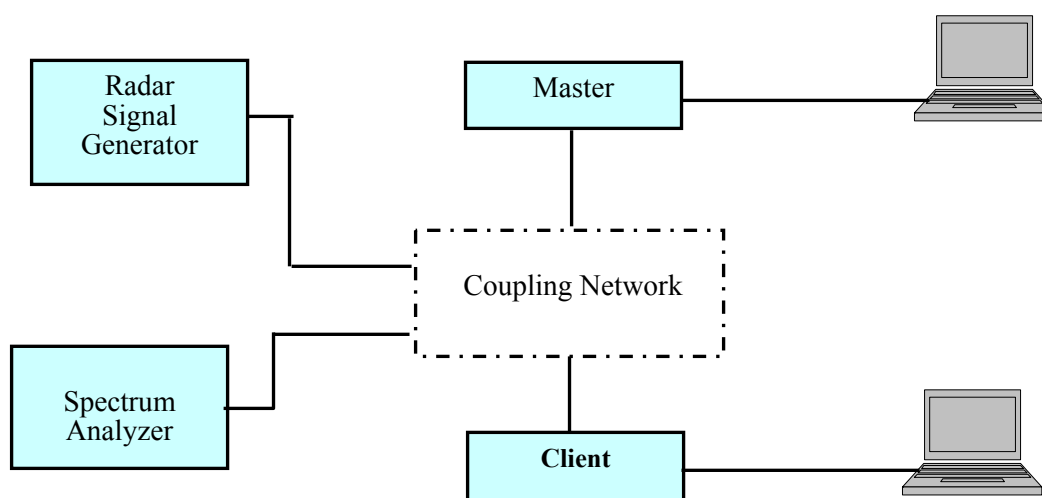
4.4   Conducted Method
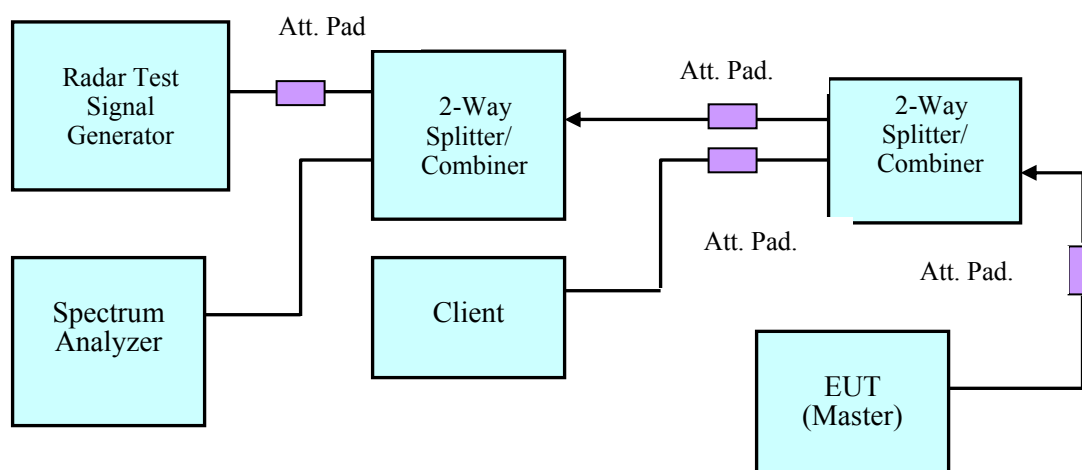

Setup for Master with injection at the Master
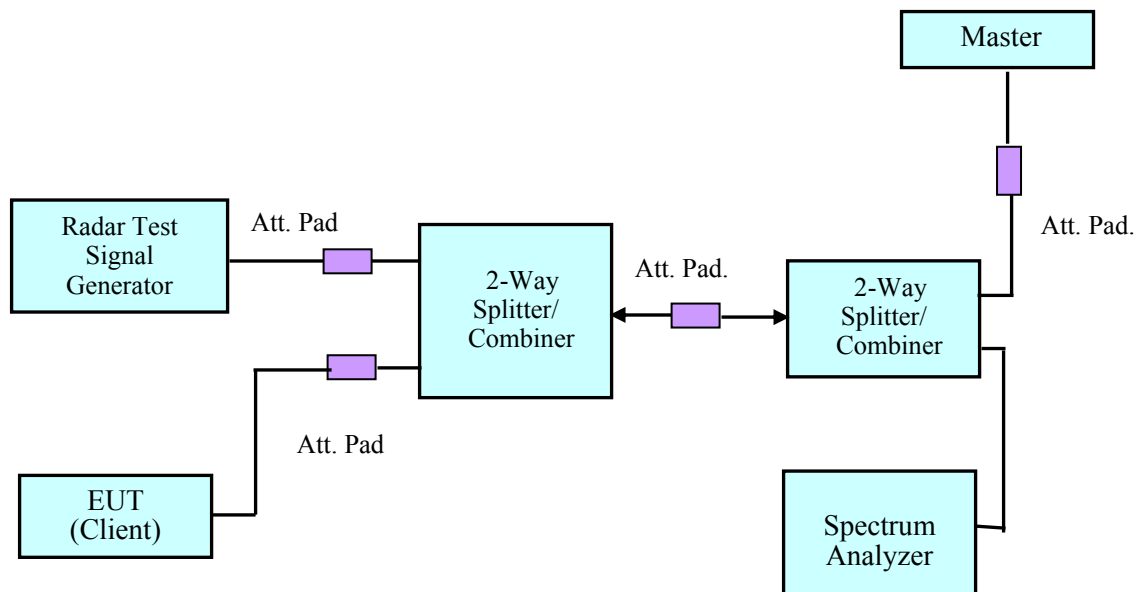
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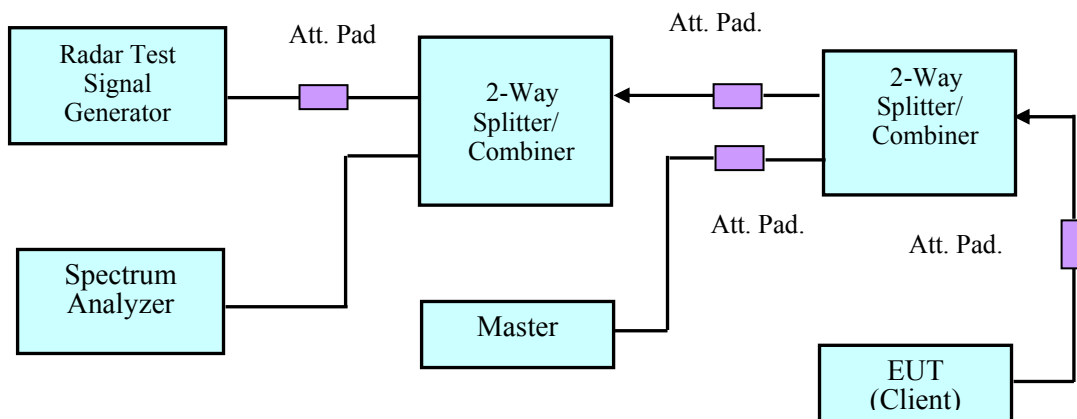
Setup for Client with injection at the Client

4.5   Radiated Method
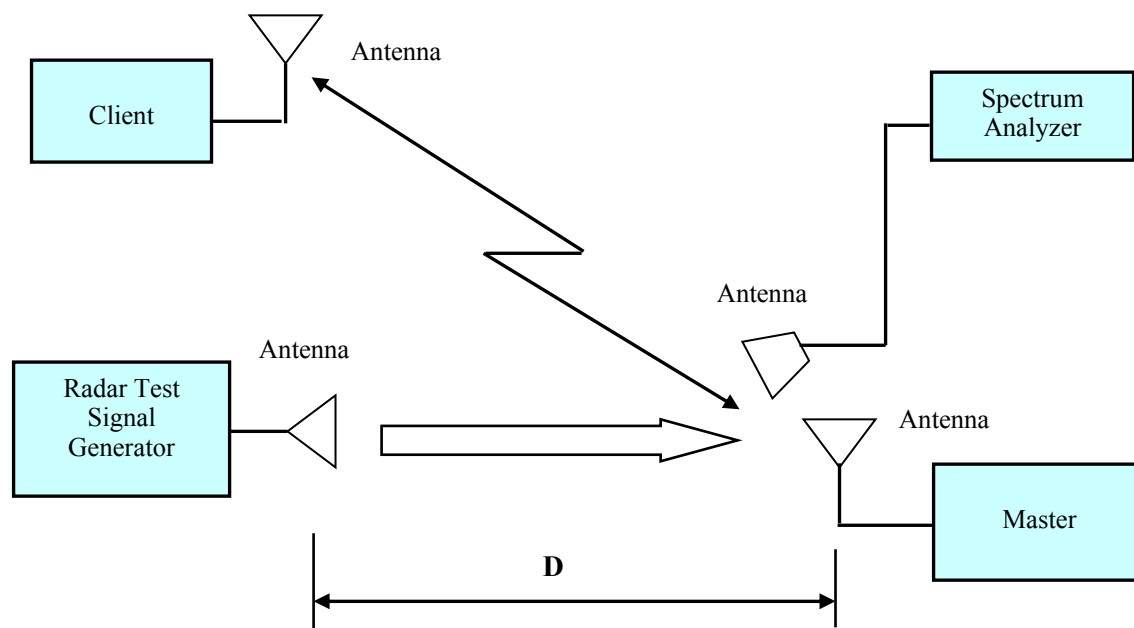
4.6   Test Procedure

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 was generated by using Iperf. And Radiated Method has been used in the test.

5.2   Antenna Description

Antenna Type	Frequency (MHz)	Antenna Gain (dBi)
WLAN Internal Ant. 1	2400-2500	4.36
WLAN Internal Ant. 2	2400-2500	4.95
BT Ant.	2400-2500	3.67
WLAN Internal Ant. 1	5150-5850	5.64
WLAN Internal Ant. 2	5150-5850	5.83
WLAN External Ant.	2400-2500	4.58
WLAN External Ant.	5150-5850	5.35

The WLAN External Antenna has been used for testing as it has smaller antenna gain which is worst case.

5.3   Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A	N/A
Agilent	Analyzer, Spectrum	E4446A	MY48250238	2018-05-18	1 year
A. H. Systems	Antenna Horn	SAS-200/571	261	2017-05-16	2 years
EMCO	Antenna Horn	3115	9511-4627	2018-03-28	2 years
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	N/A	N/A
Narda	Splitter/Combiner	4326B-2	03514	N/A	N/A
Midwest	Attenuator	290-30	N/A	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A	N/A

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 A2LA Policy P102 (dated 09 June 2016) "A2LA Policy on Metrological Traceability".

5.4   Radar Waveform Calibration
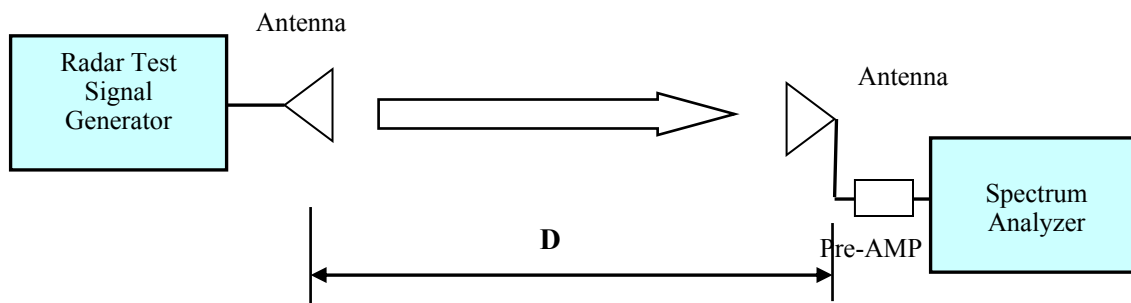
Radiated Calibration Setup Block Diagram

5.5   Test Environmental Conditions

Temperature:	22-25° C
Relative Humidity:	45-48 %
ATM Pressure:	102.1 kPa

Testing was performed by Vincent Licata and Chin Ming Lui from 2018-08-24 to 2018-09-05 at the DFS site.

Plots of Radar Waveforms

5260 MHz Type 0 Calibration
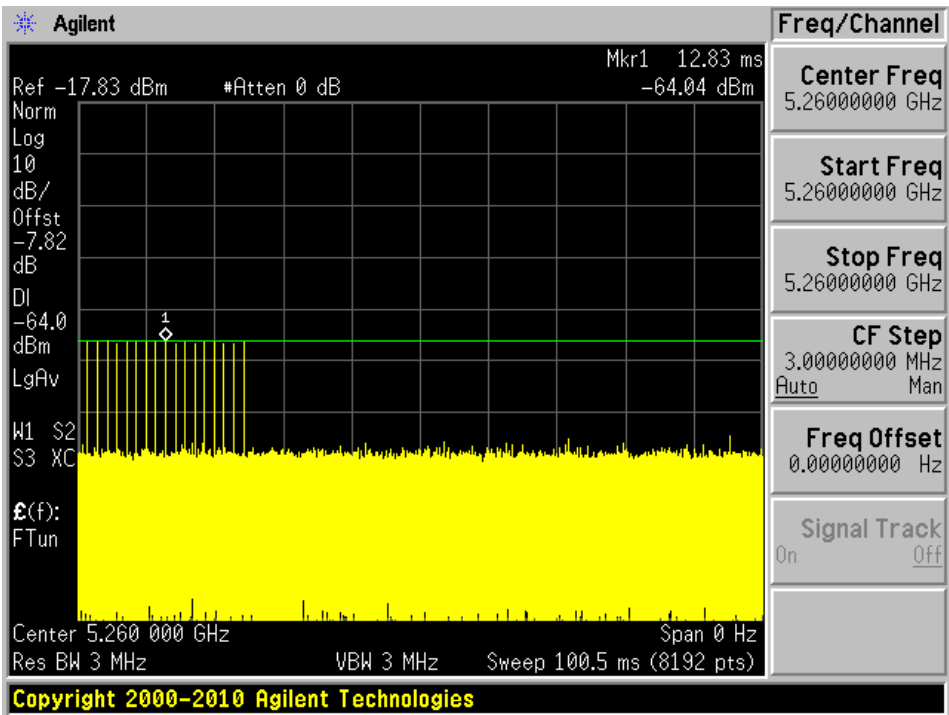
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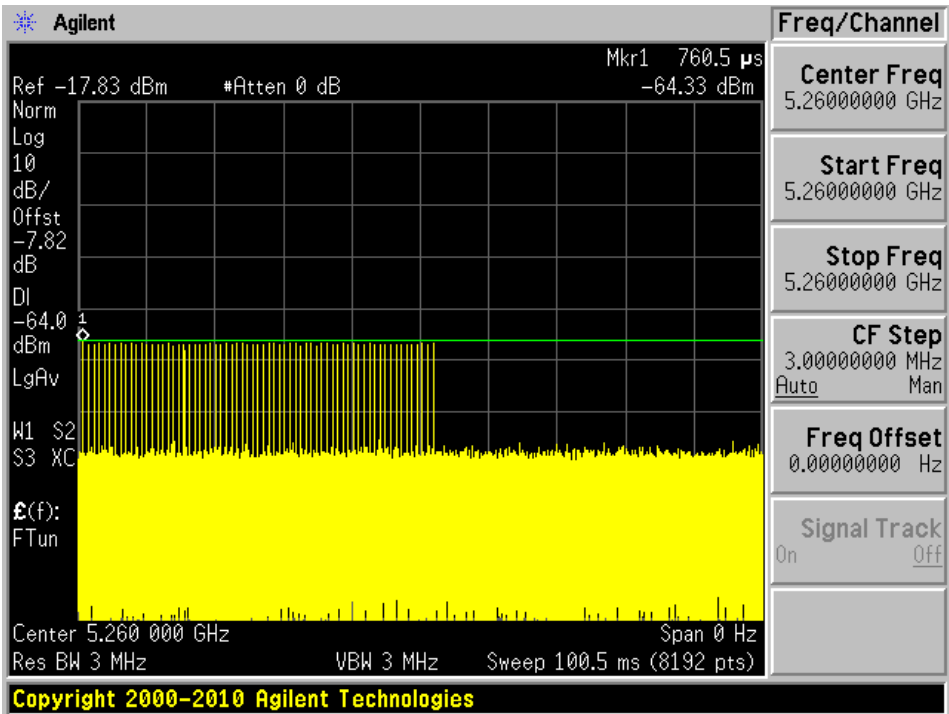
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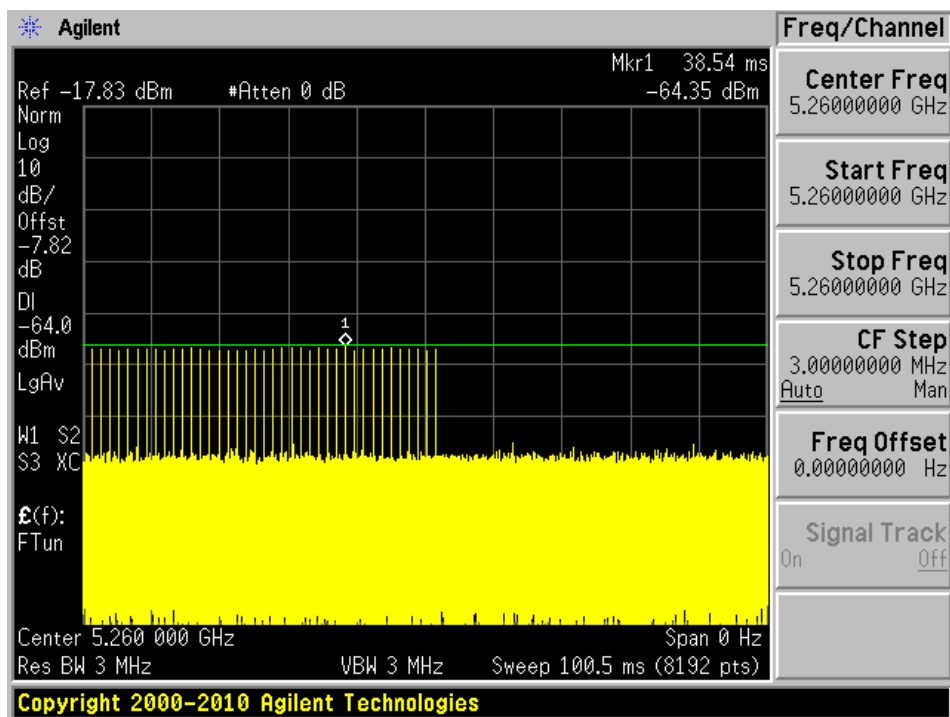
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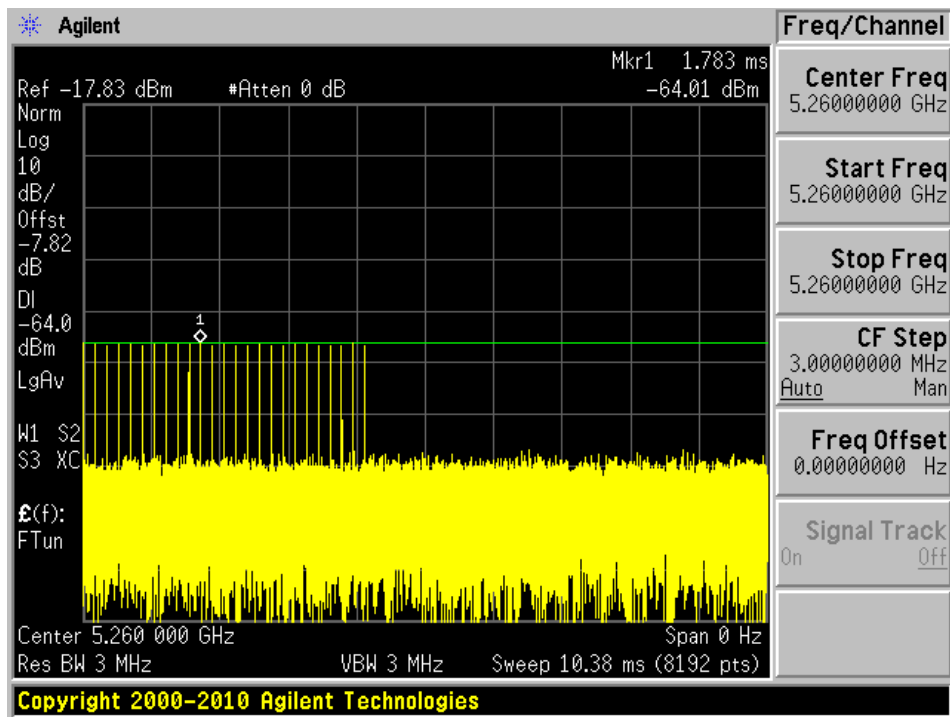
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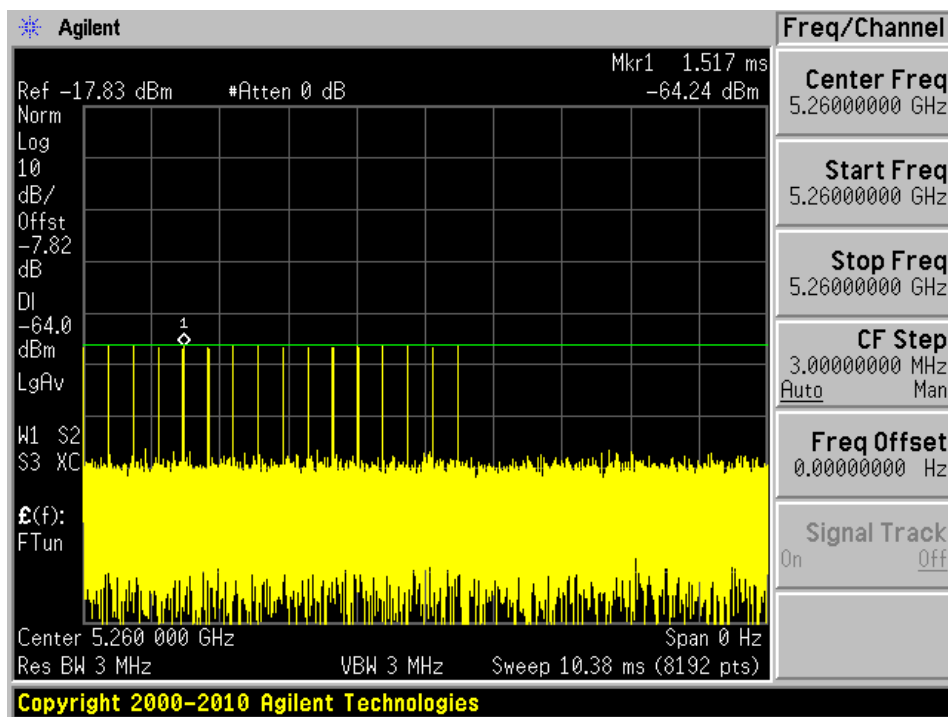

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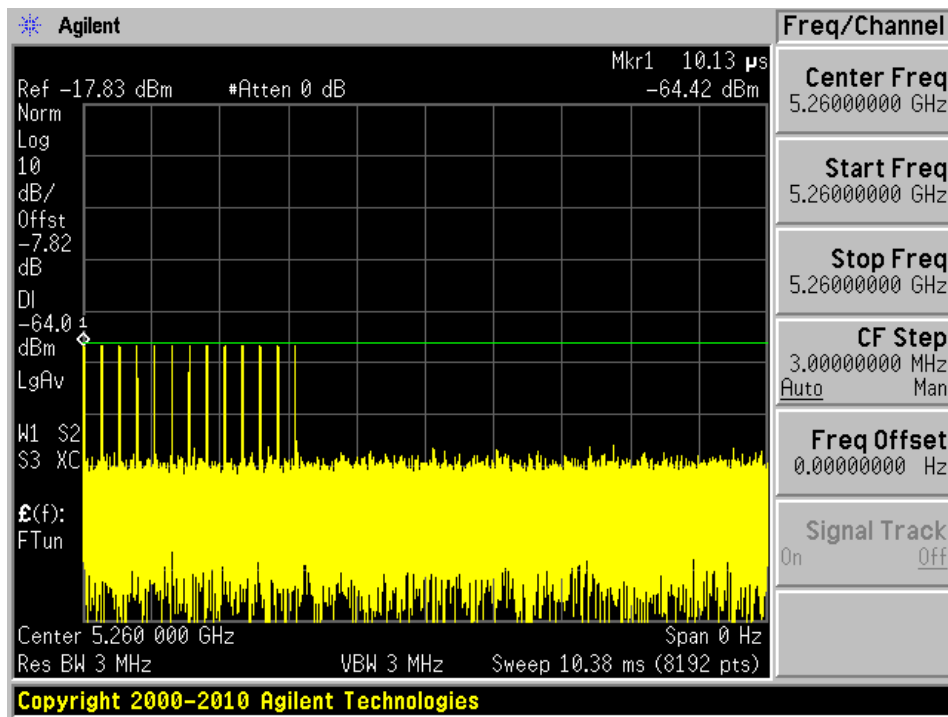
**5260 MHz Type 5 Calibration**
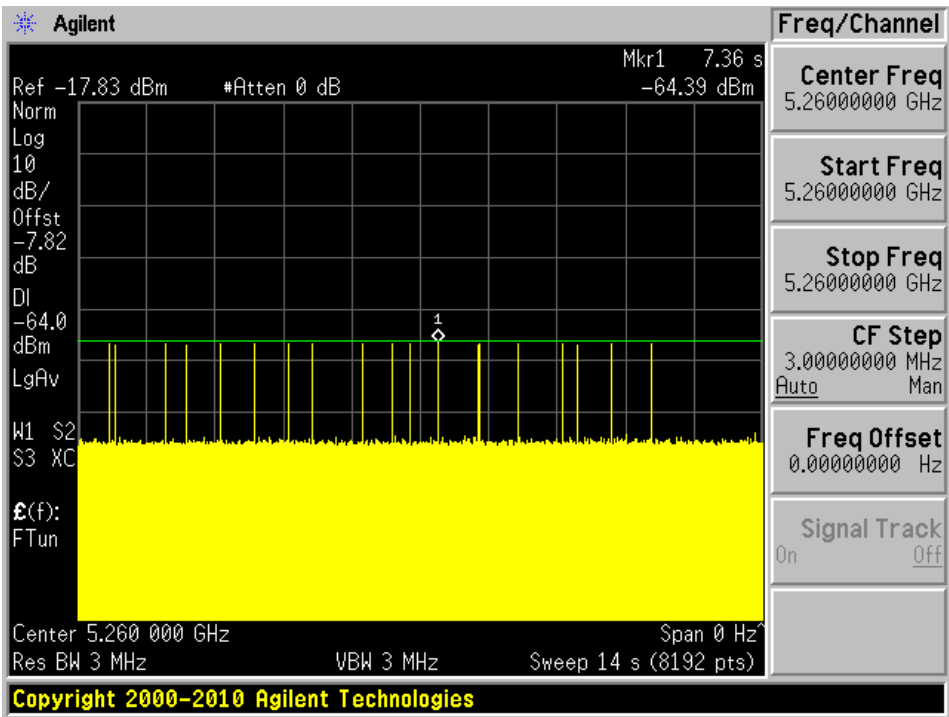
**5260 MHz Type 6 Calibration**
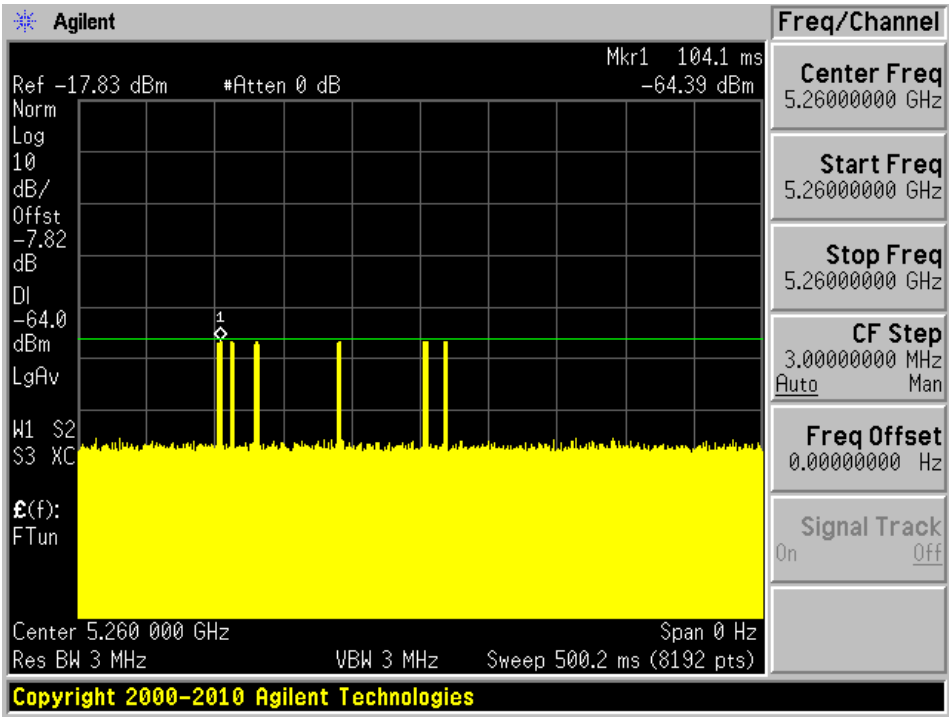
**5270 MHz Type 0 Calibration**
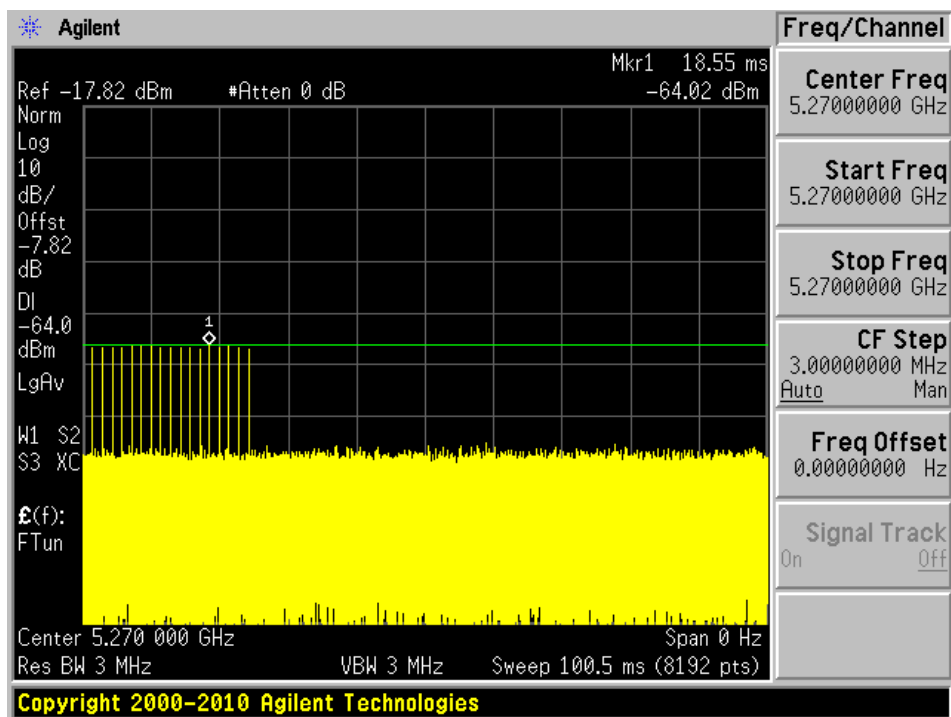

5270 MHz Type 1A Calibration
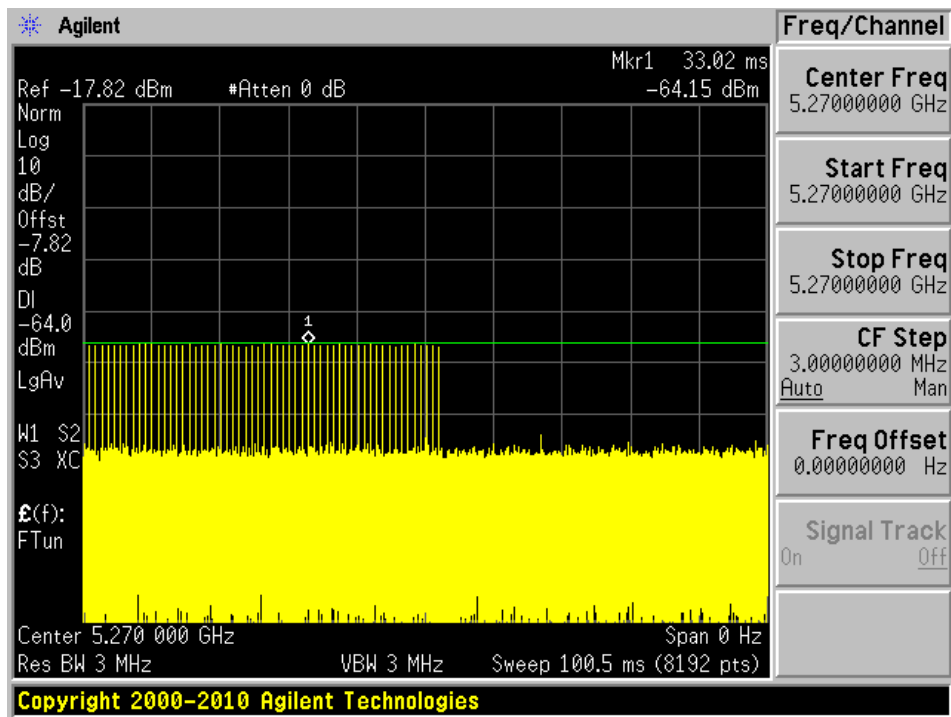
5270 MHz Type 1B Calibration
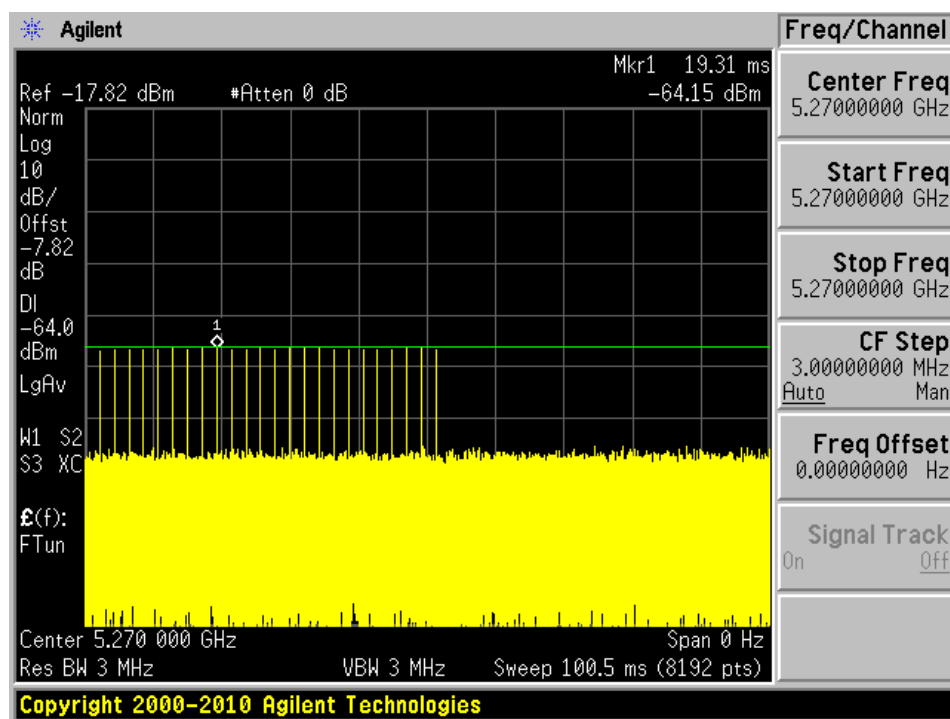
5270 MHz Type 2 Calibration
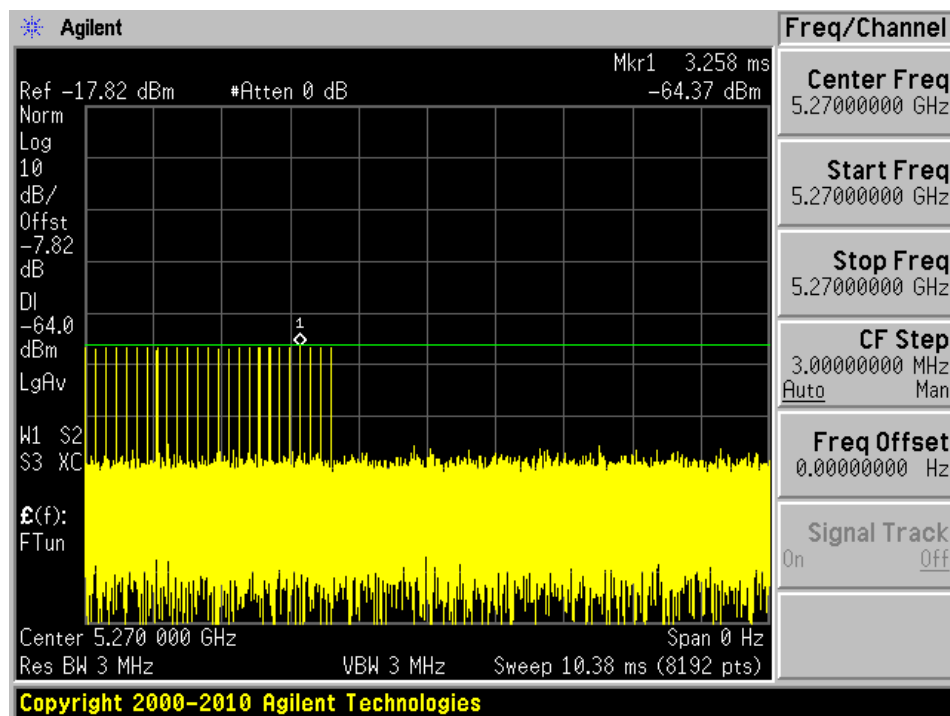
5270 MHz Type 3 Calibration
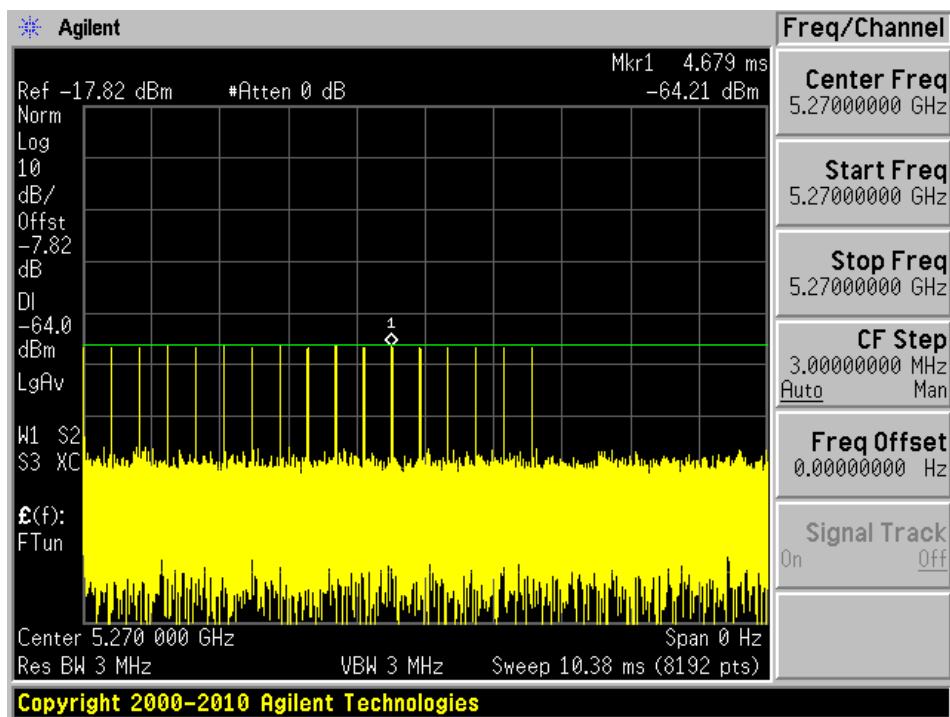
5270 MHz Type 4 Calibration
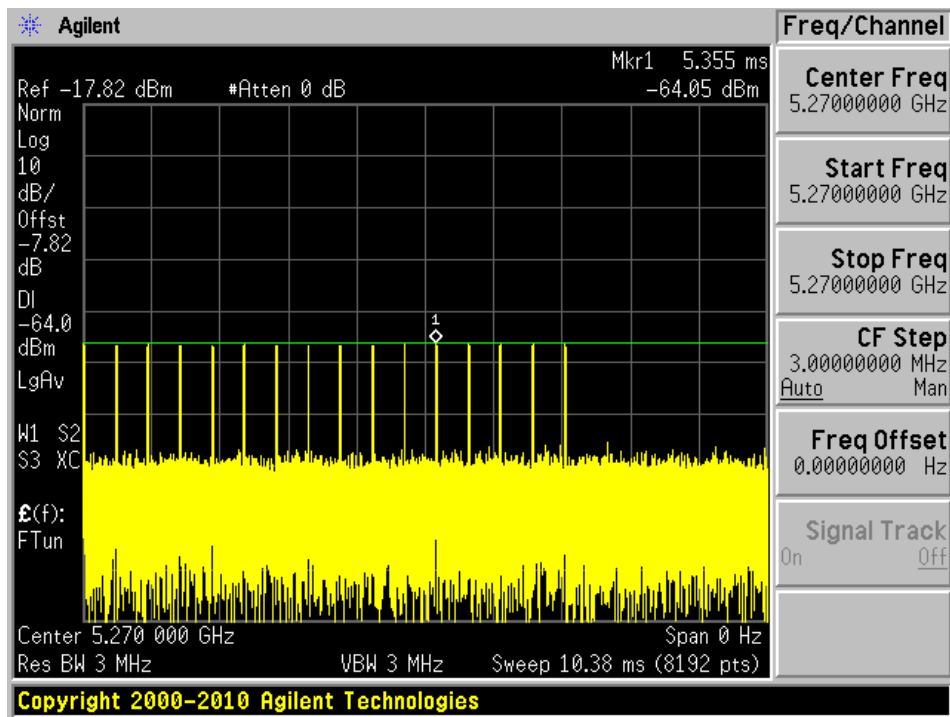
5270 MHz Type 5 Calibration
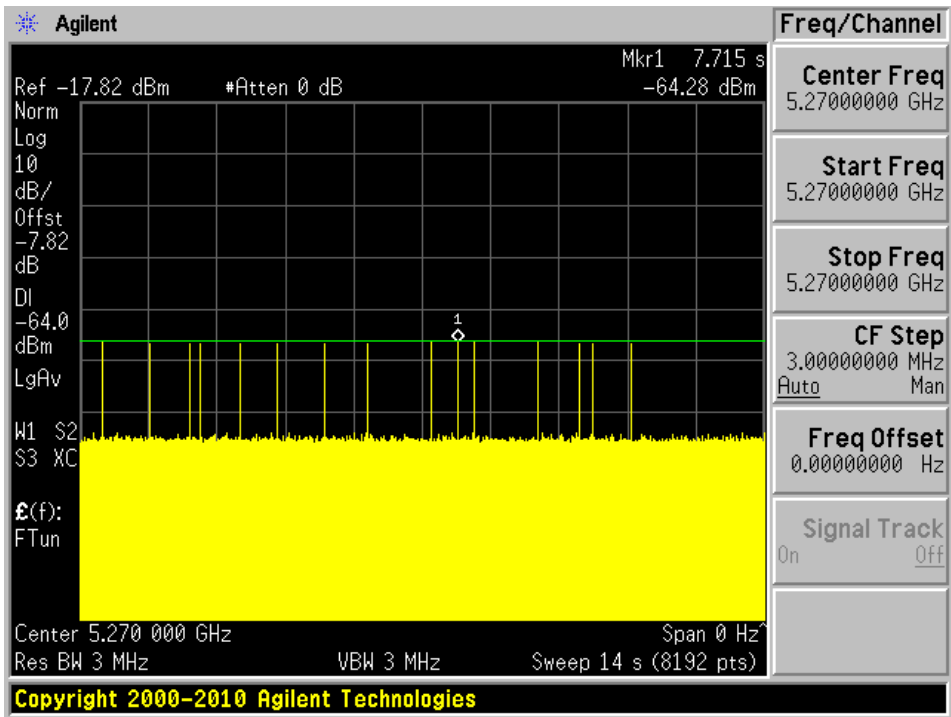
**5270 MHz Type 6 Calibration**
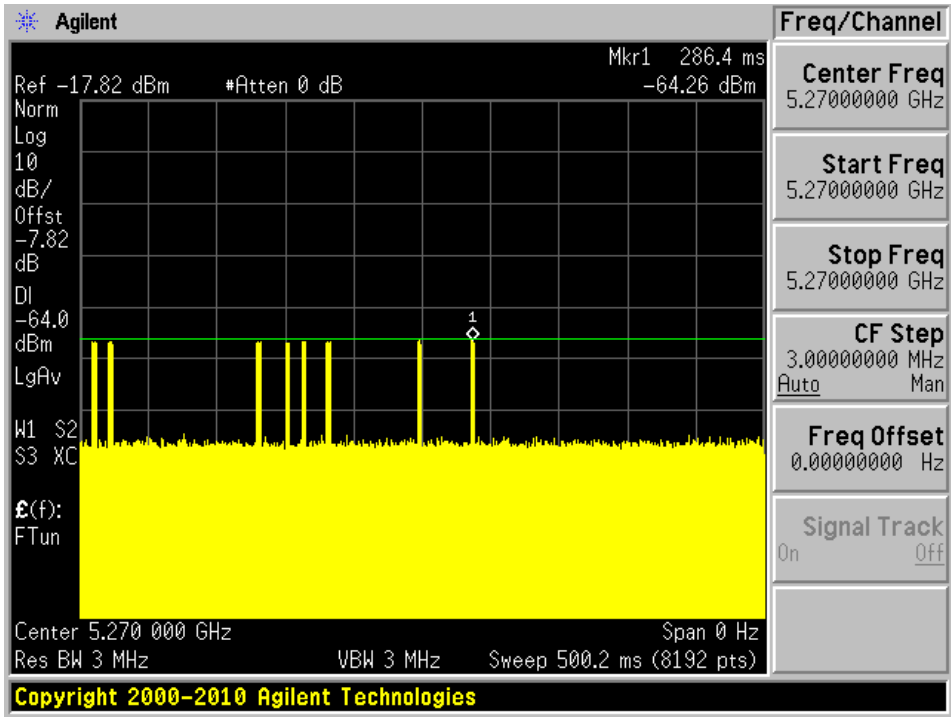
5290 MHz Type 0 Calibration
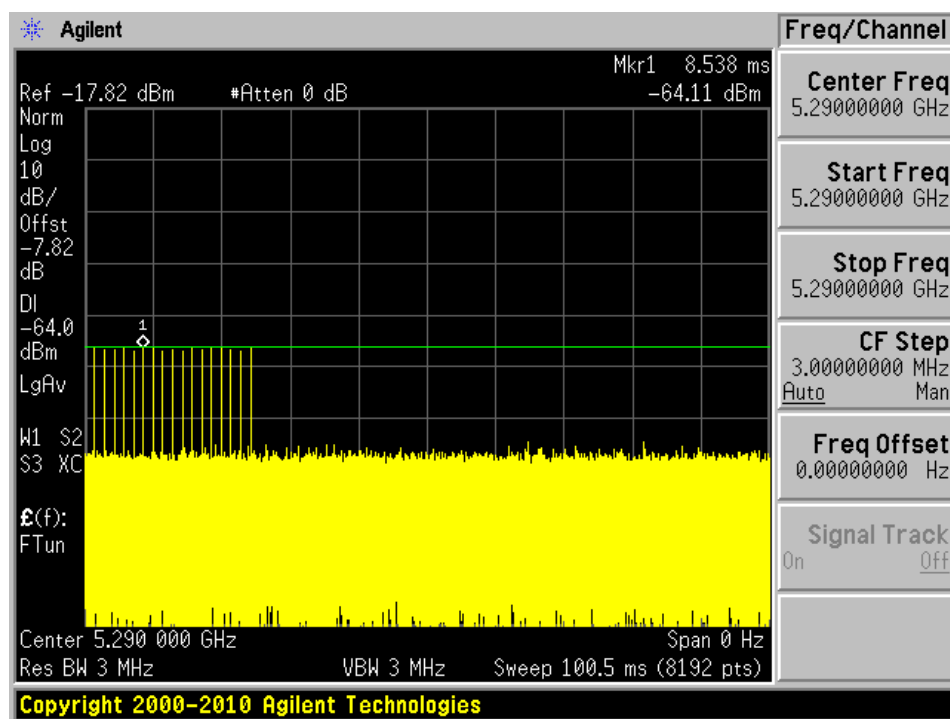

5290 MHz Type 1A Calibration
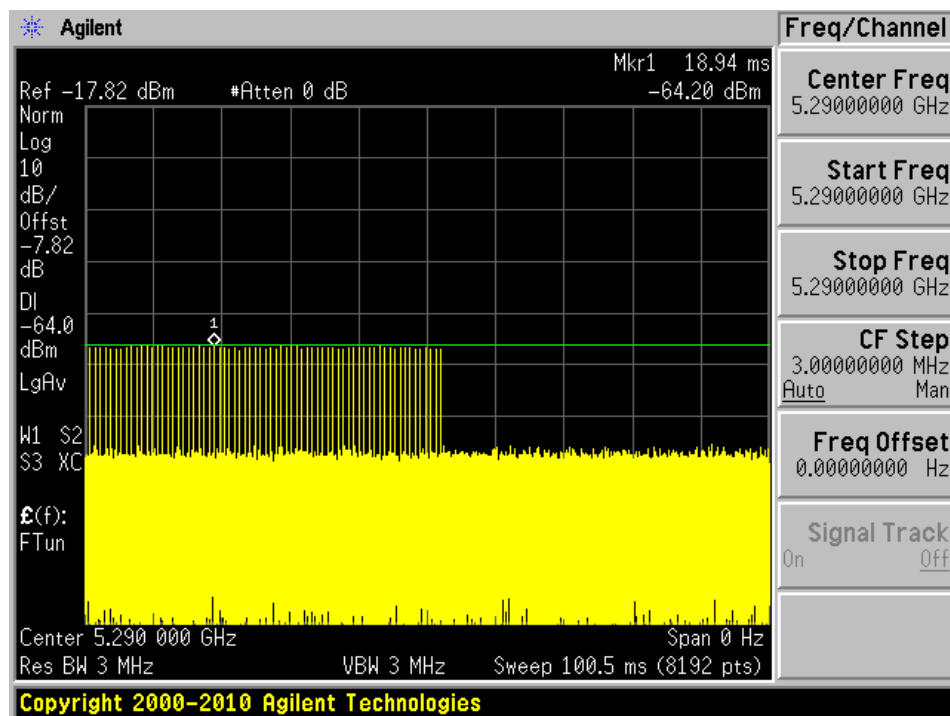
5290 MHz Type 1B Calibration
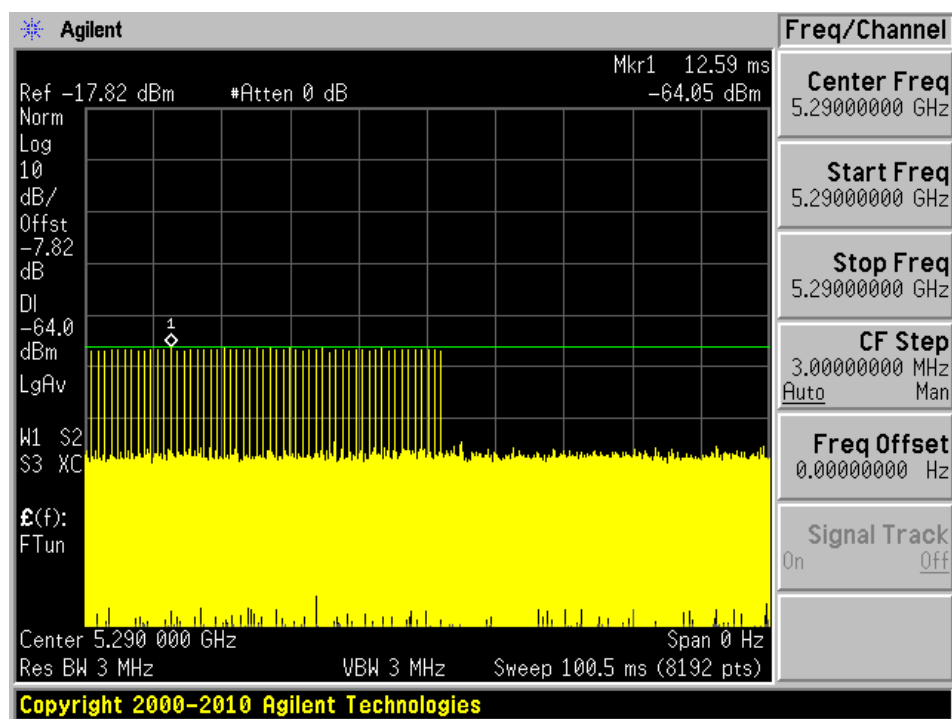
5290 MHz Type 2 Calibration
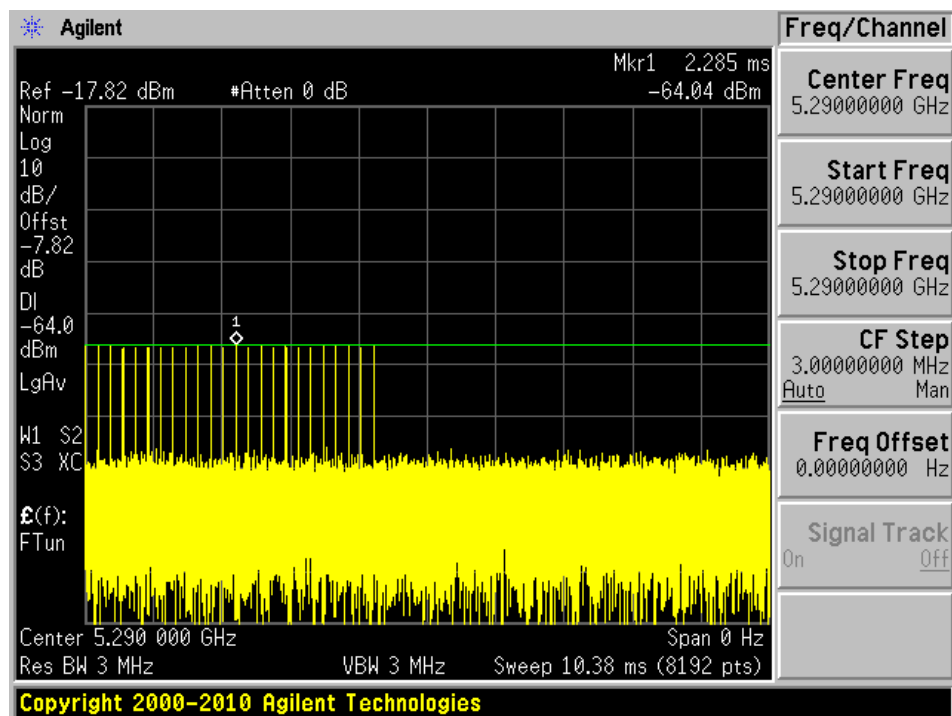
5290 MHz Type 3 Calibration
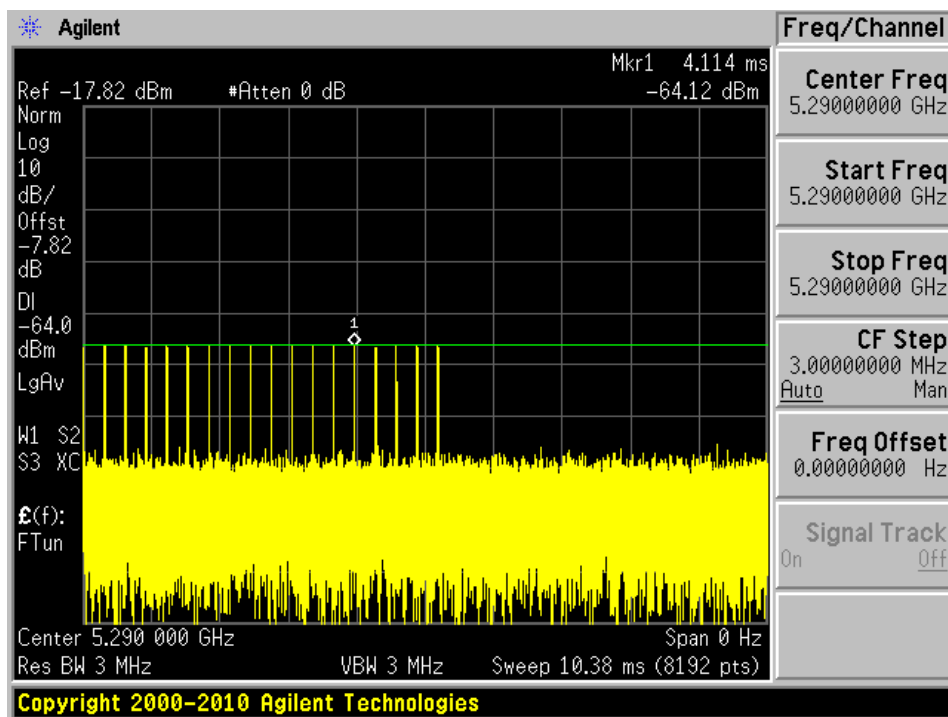
5290 MHz Type 4 Calibration
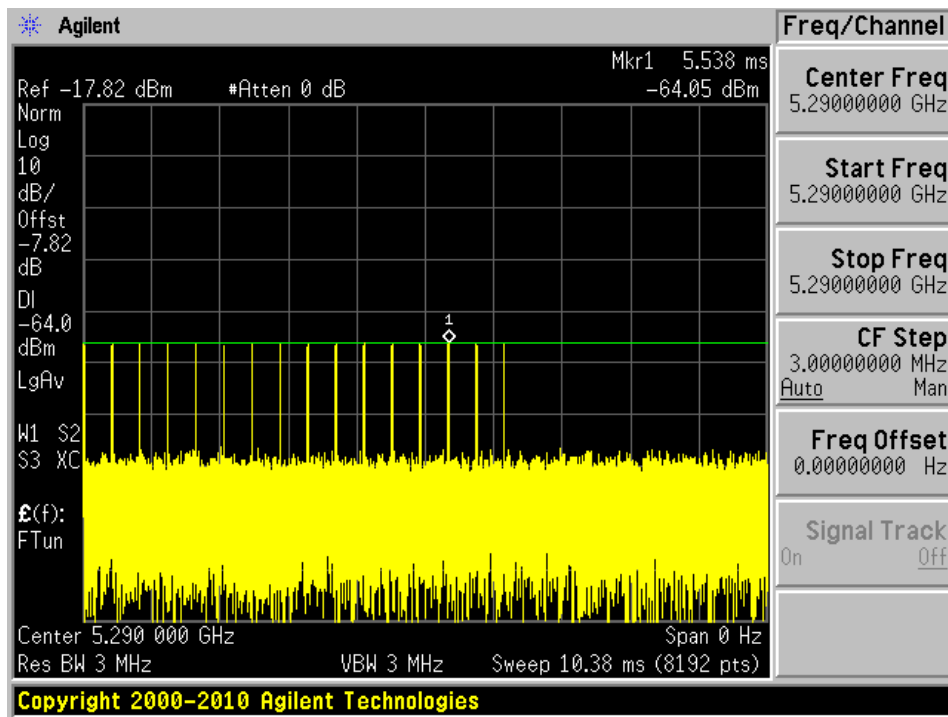
5290 MHz Type 5 Calibration
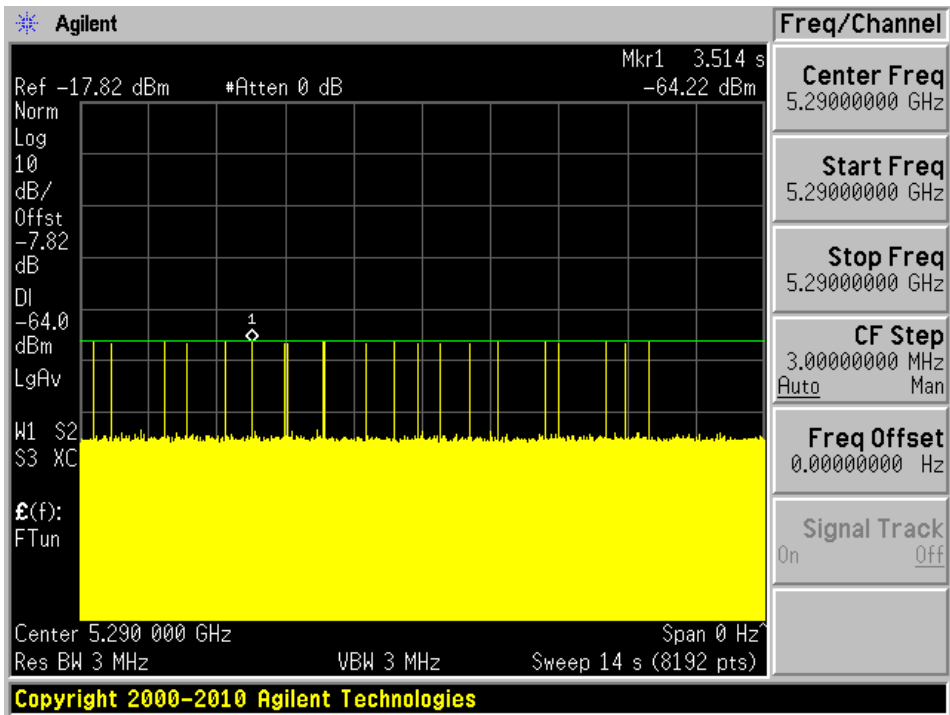
**5290 MHz Type 6 Calibration**
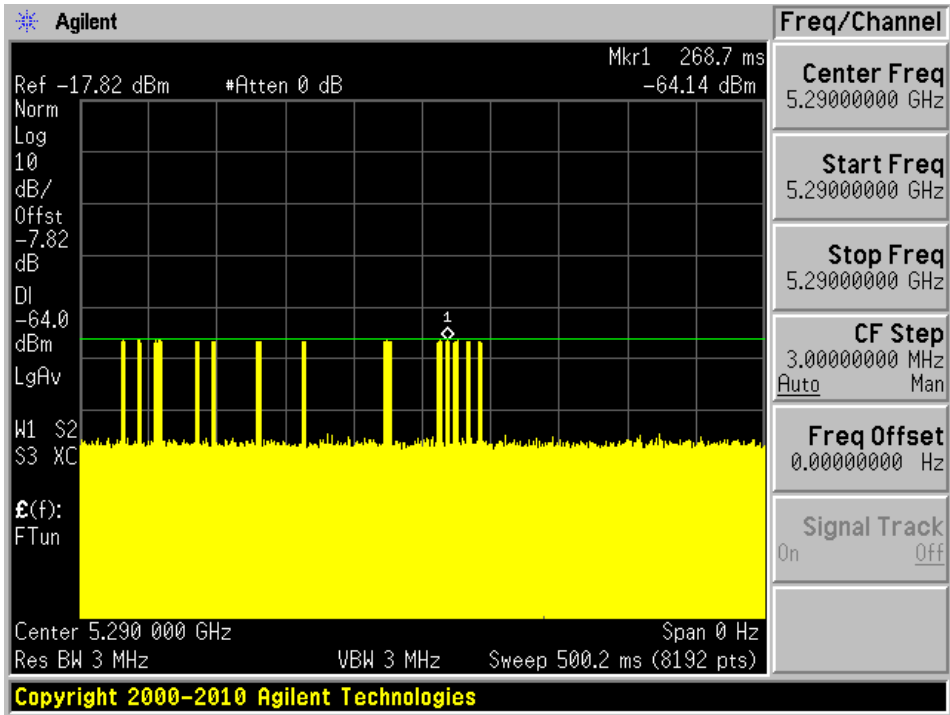
5500 MHz Type 0 Calibration
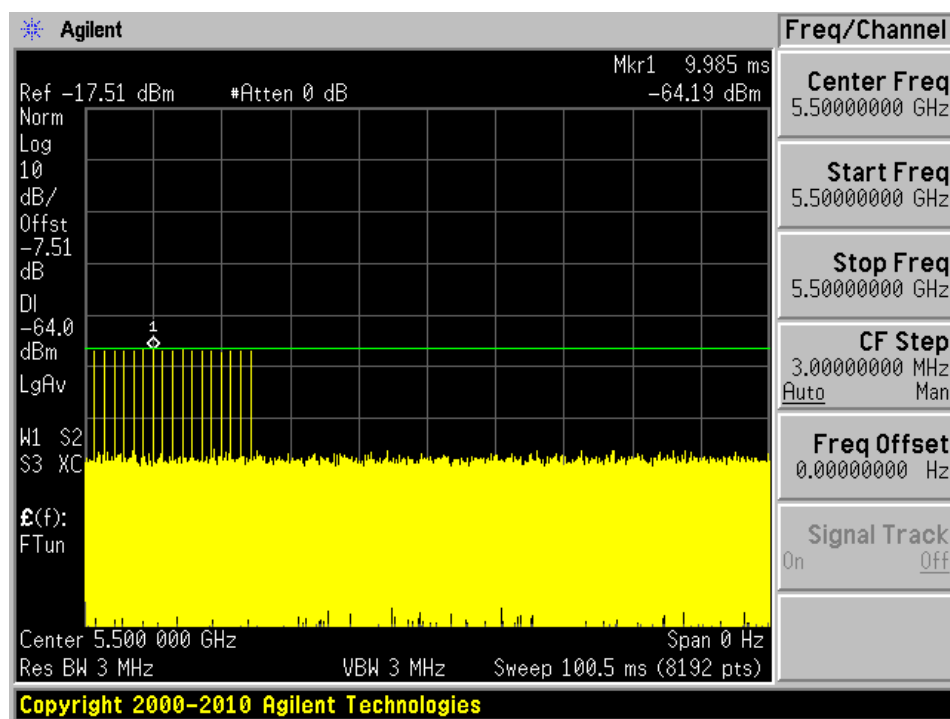
5500 MHz Type 1A Calibration
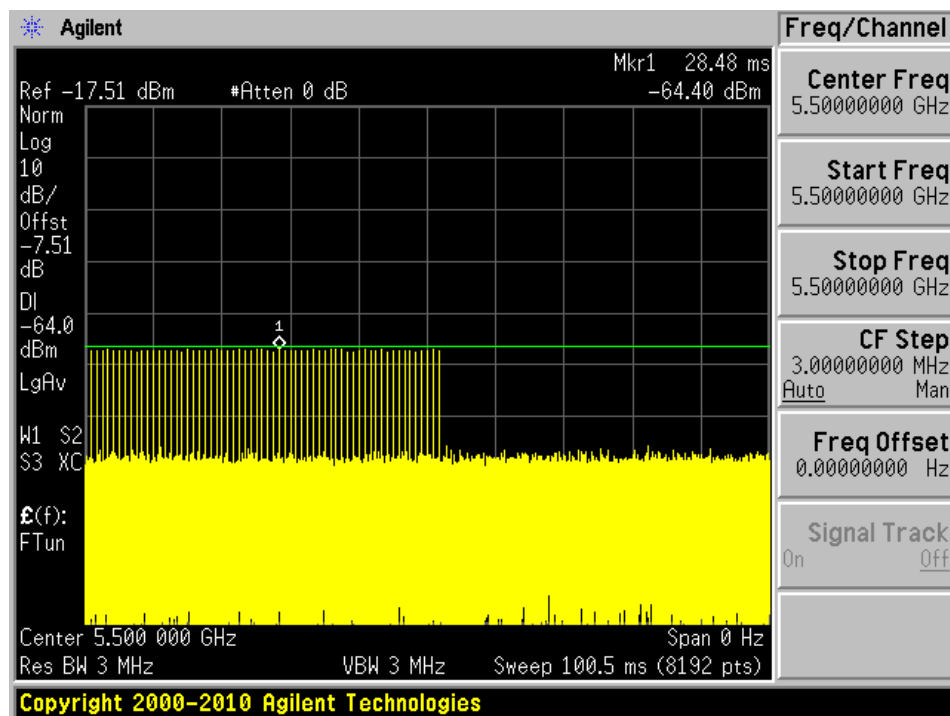
5500 MHz Type 1B Calibration
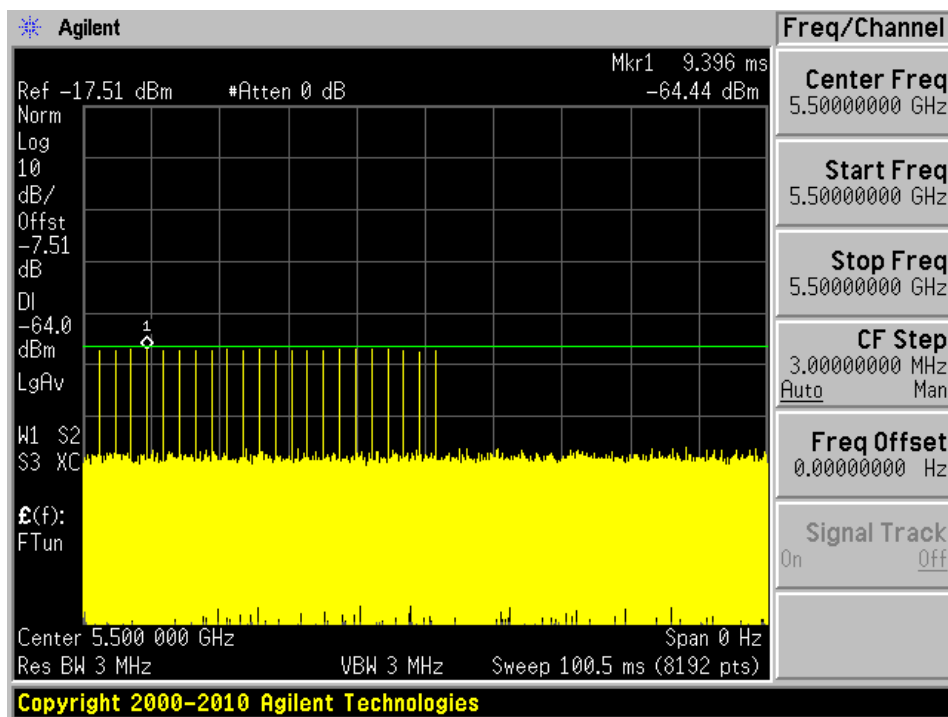
5500 MHz Type 2 Calibration
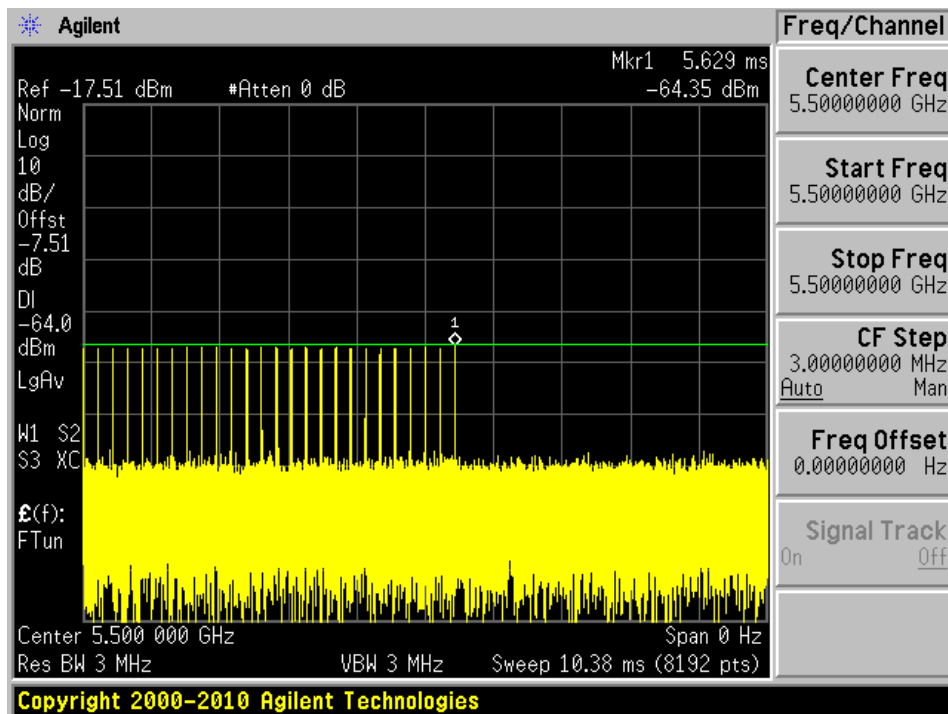
## 5500 MHz Type 3 Calibration
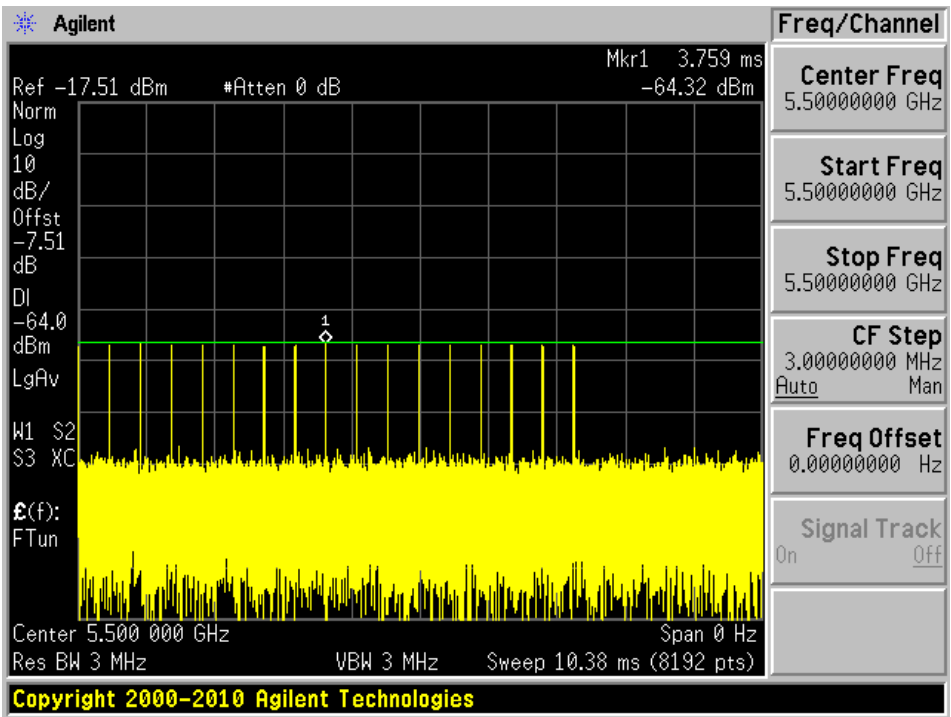
5500 MHz Type 4 Calibration
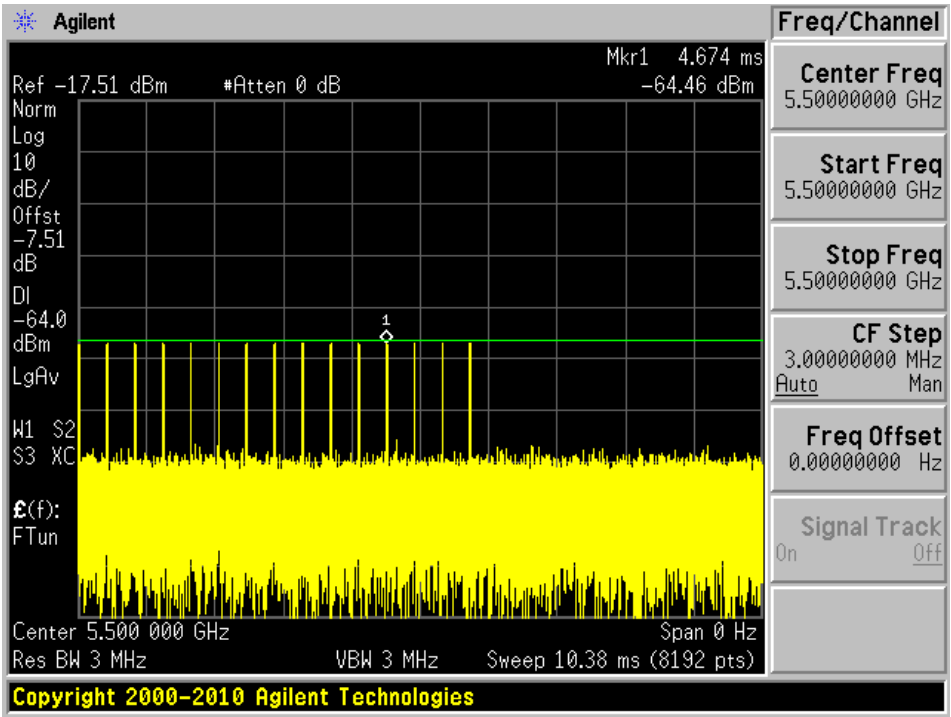
5500 MHz Type 5 Calibration
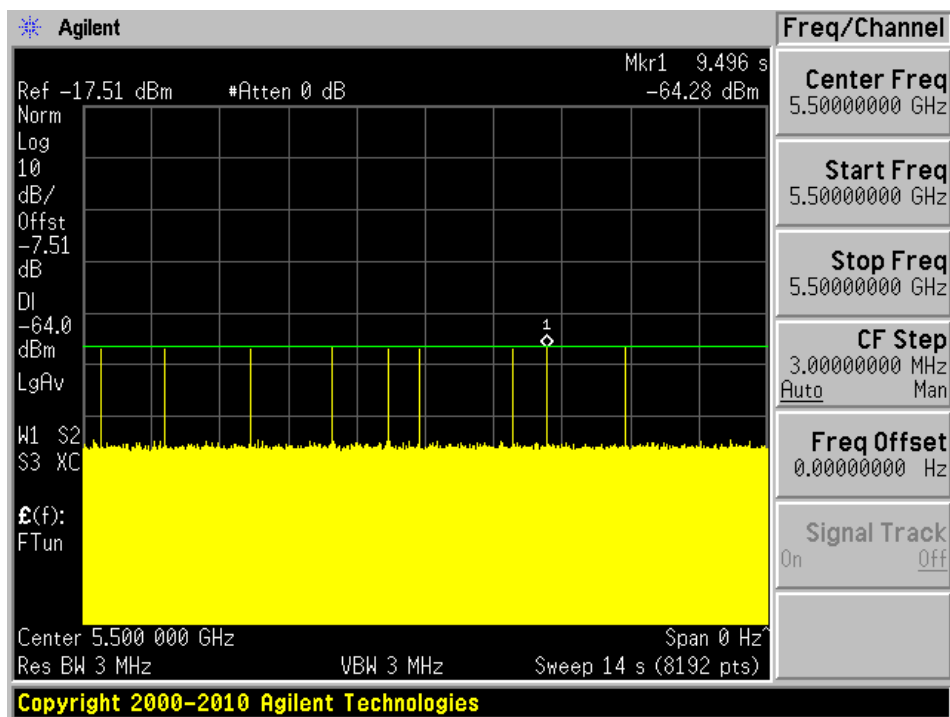
5500 MHz Type 6 Calibration
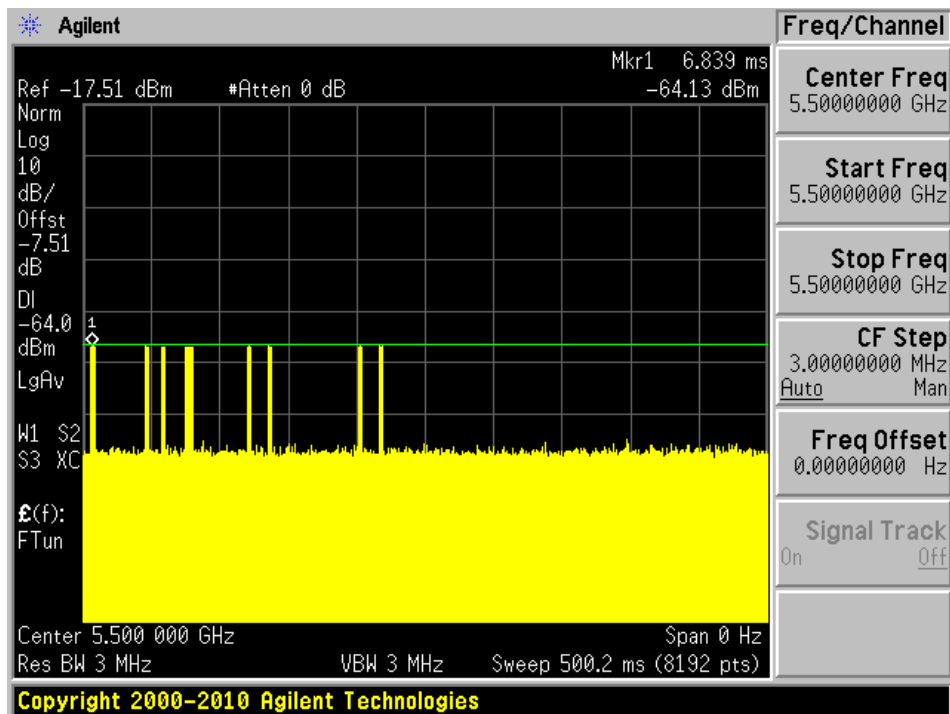
5510 MHz Type 0 Calibration
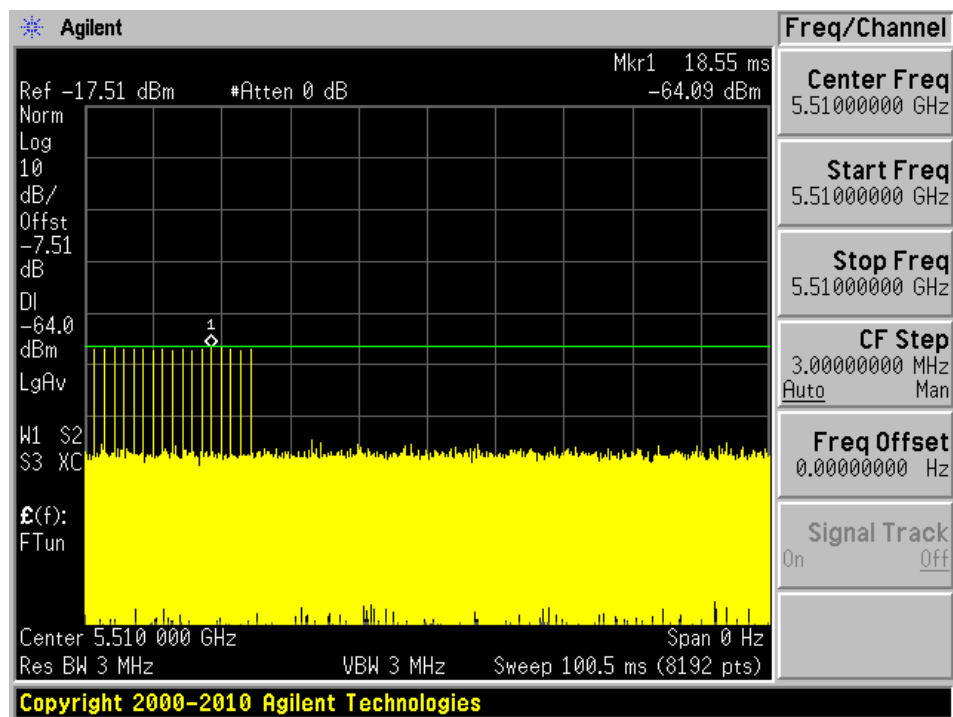
5510 MHz Type 1A Calibration
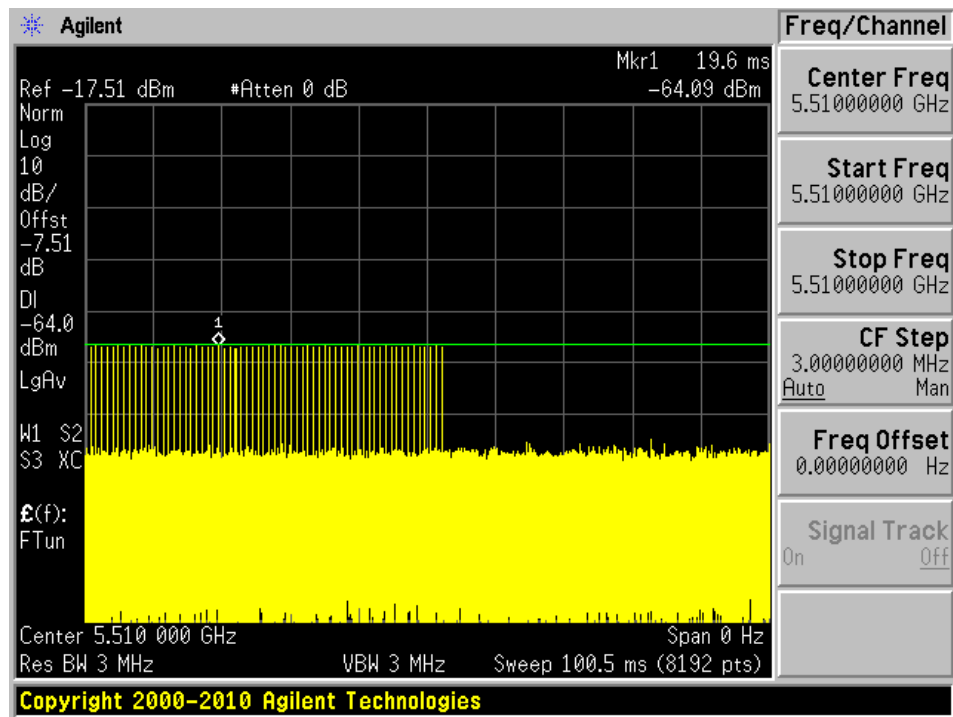
5510 MHz Type 1B Calibration
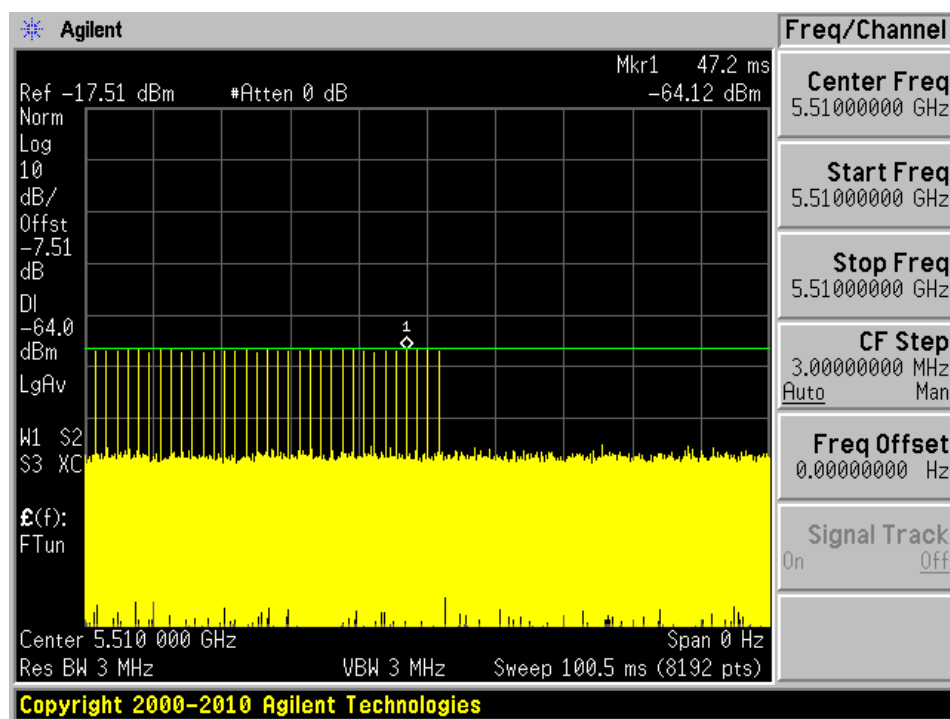
5510 MHz Type 2 Calibration
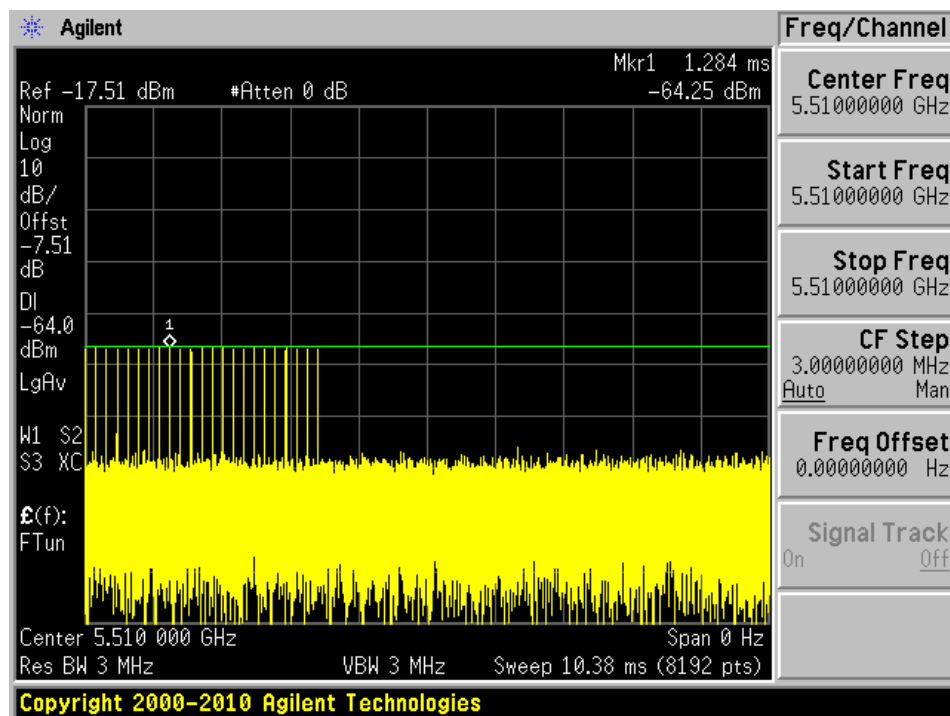
5510 MHz Type 3 Calibration
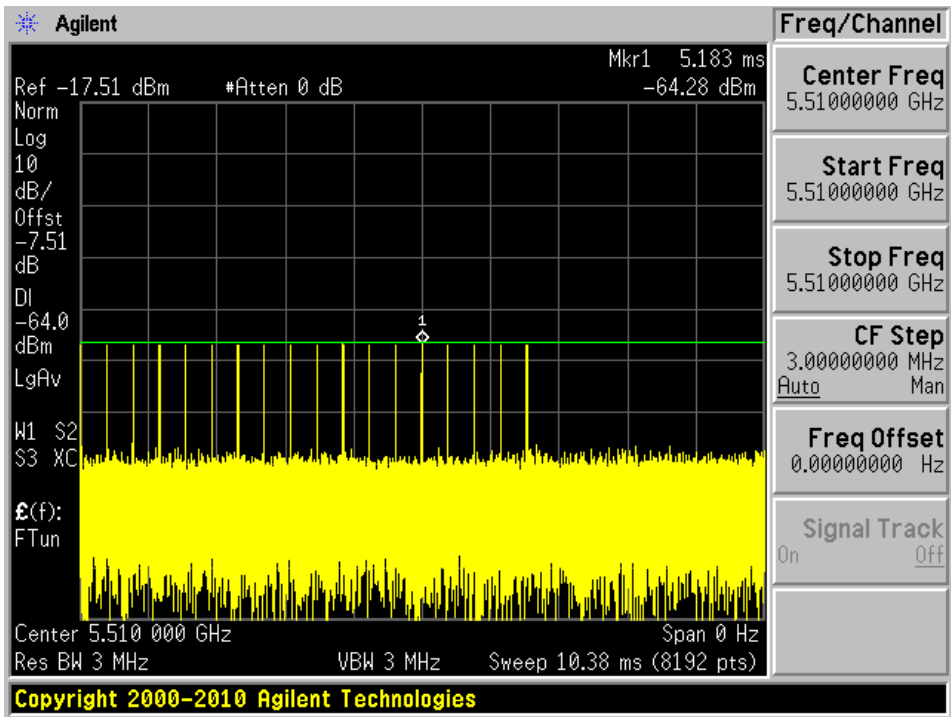

5510 MHz Type 4 Calibration
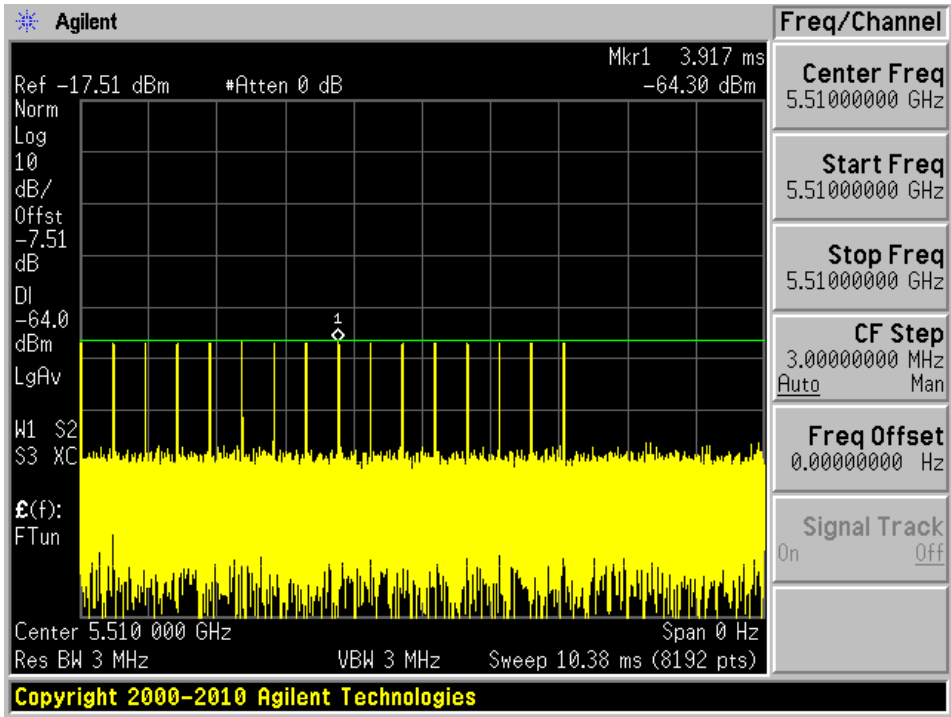
5510 MHz Type 5 Calibration
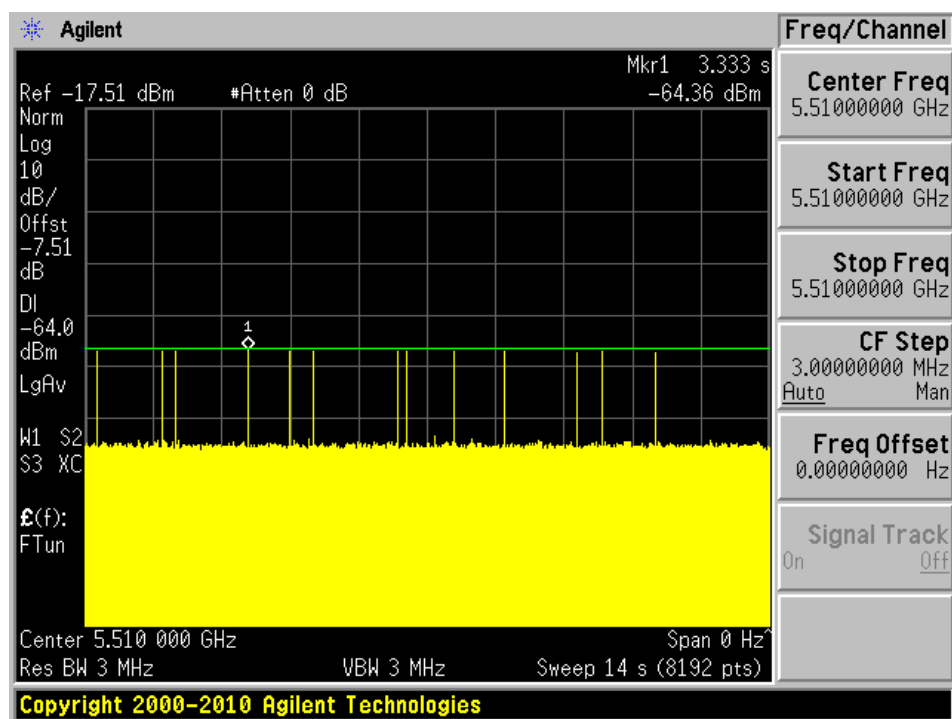
5510 MHz Type 6 Calibration
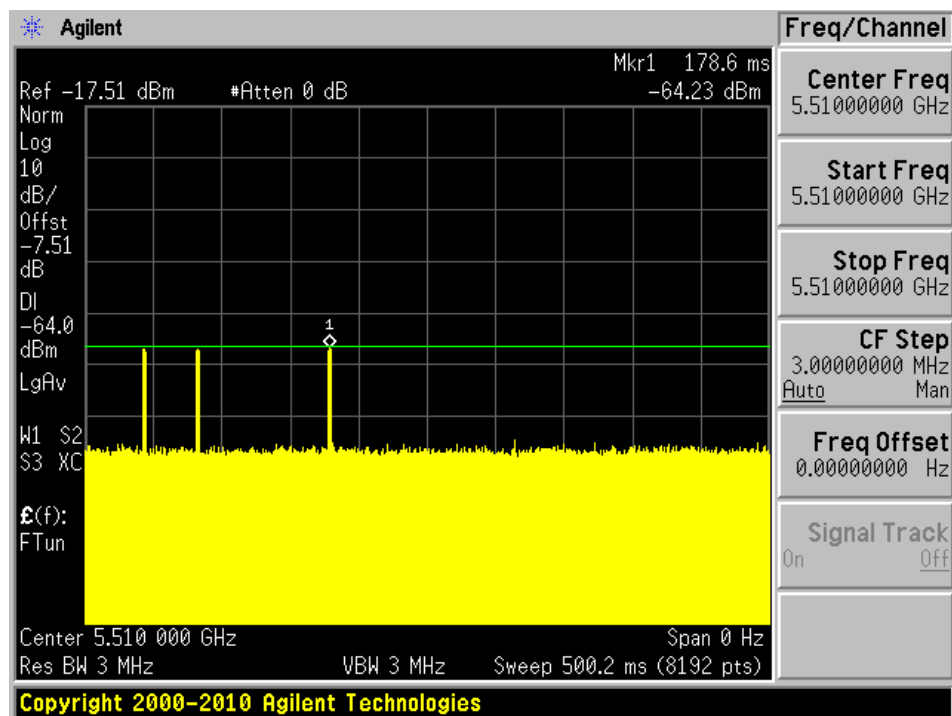
5530 MHz Type 0 Calibration
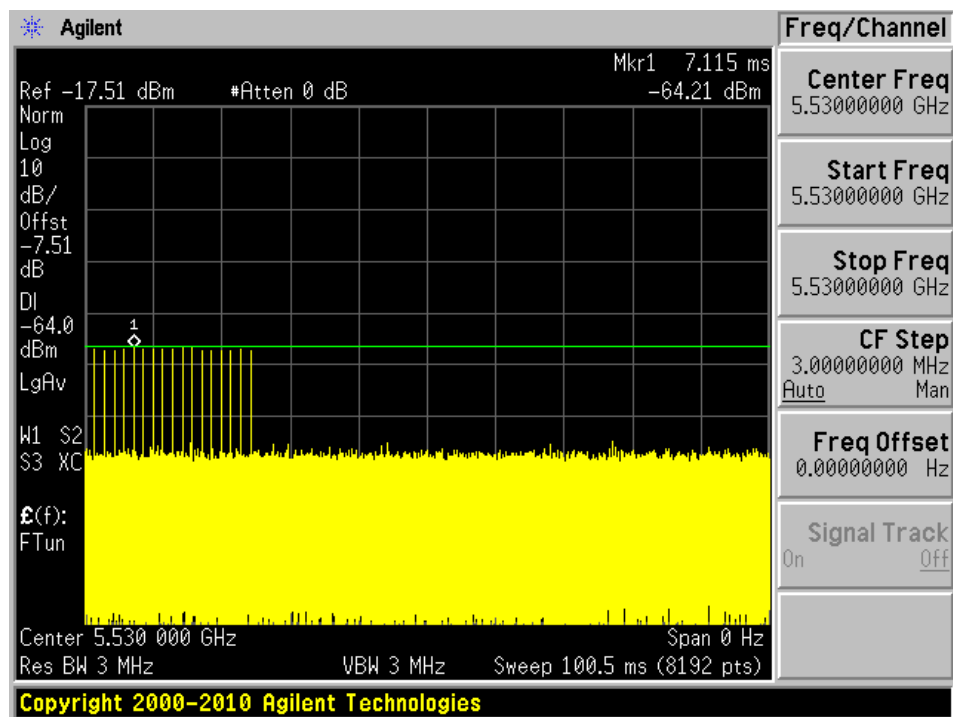
5530 MHz Type 1A Calibration
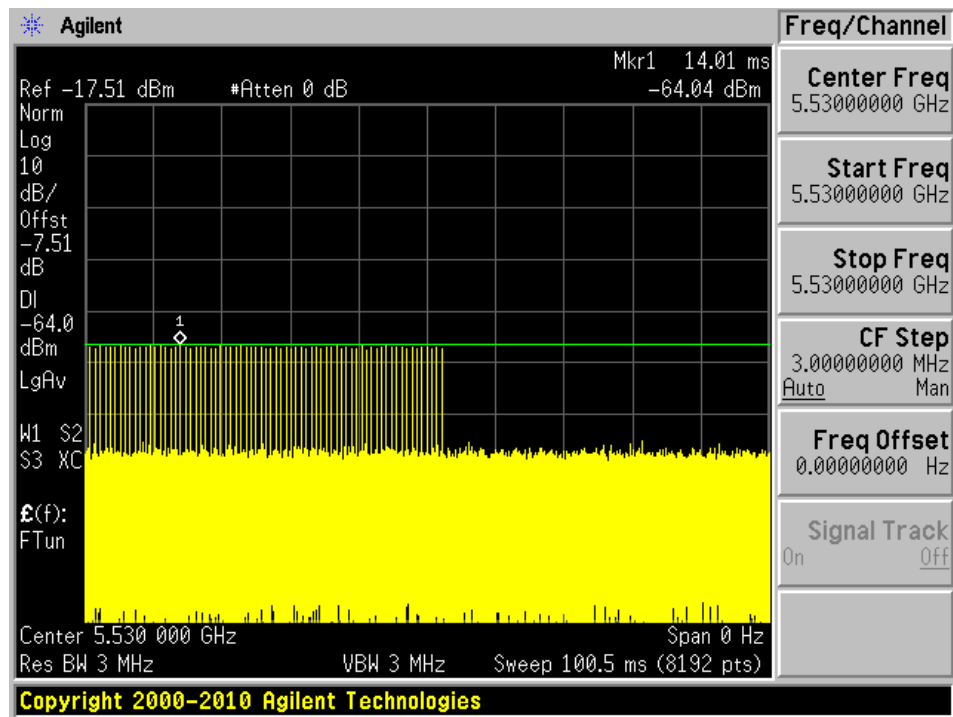
5530 MHz Type 1B Calibration
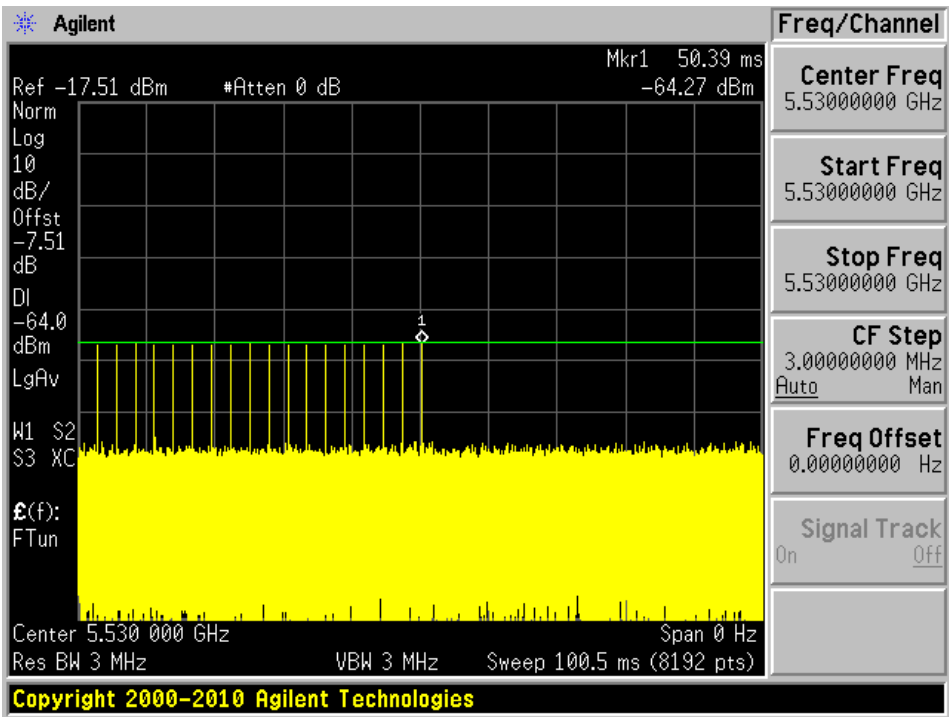
5530 MHz Type 2 Calibration
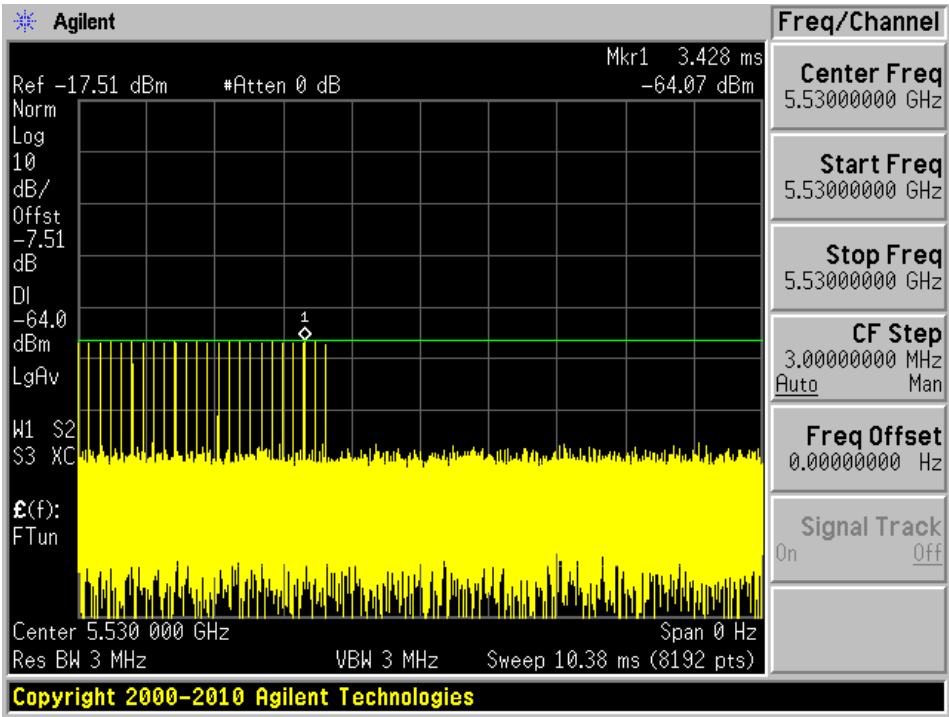
5530 MHz Type 3 Calibration
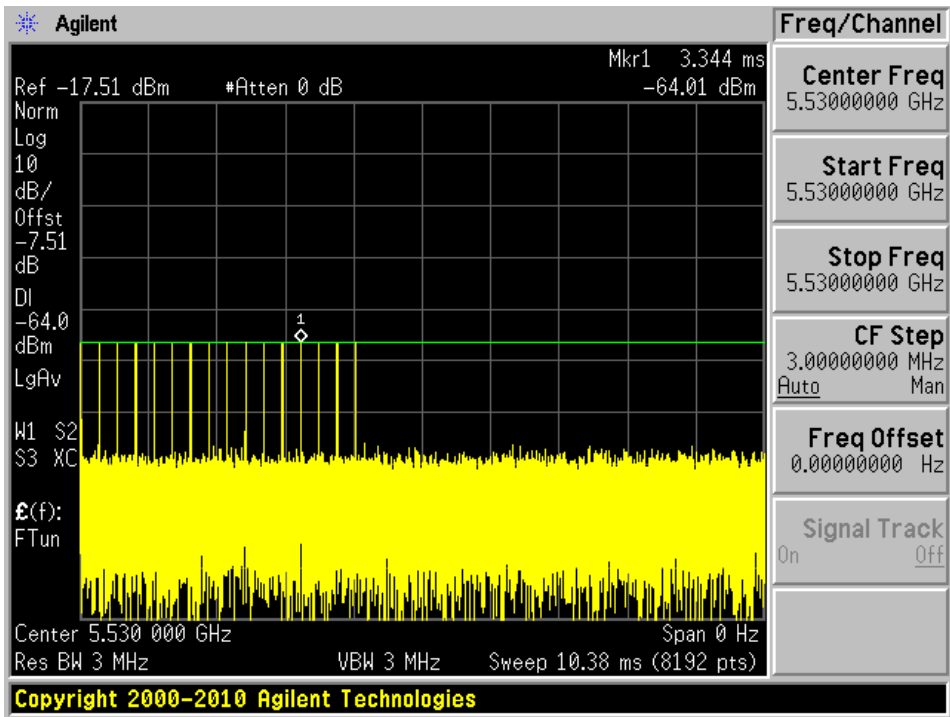
5530 MHz Type 4 Calibration
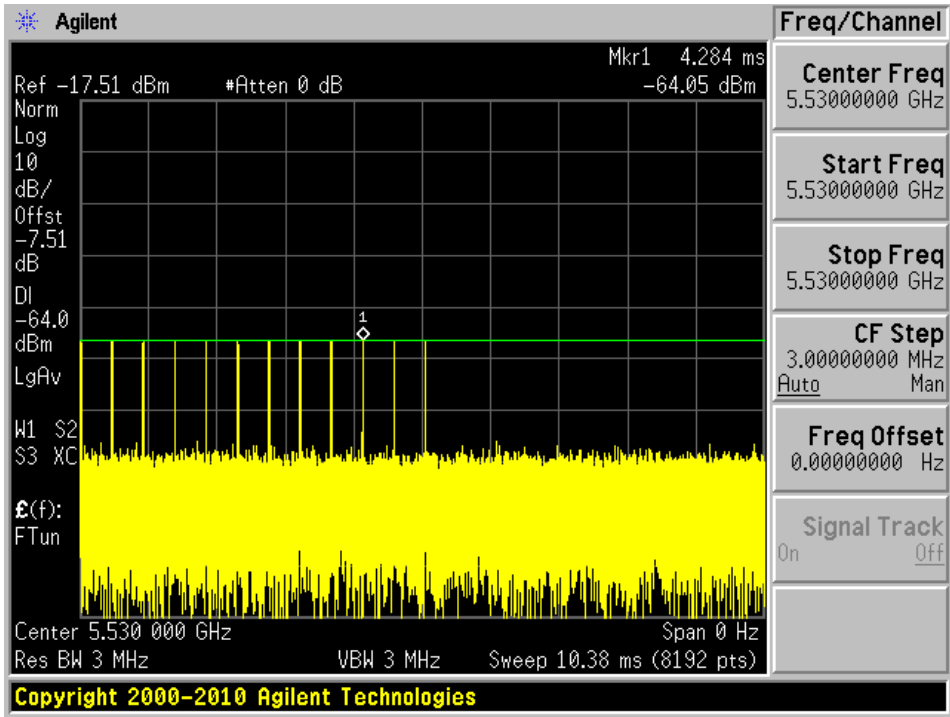
5530 MHz Type 5 Calibration
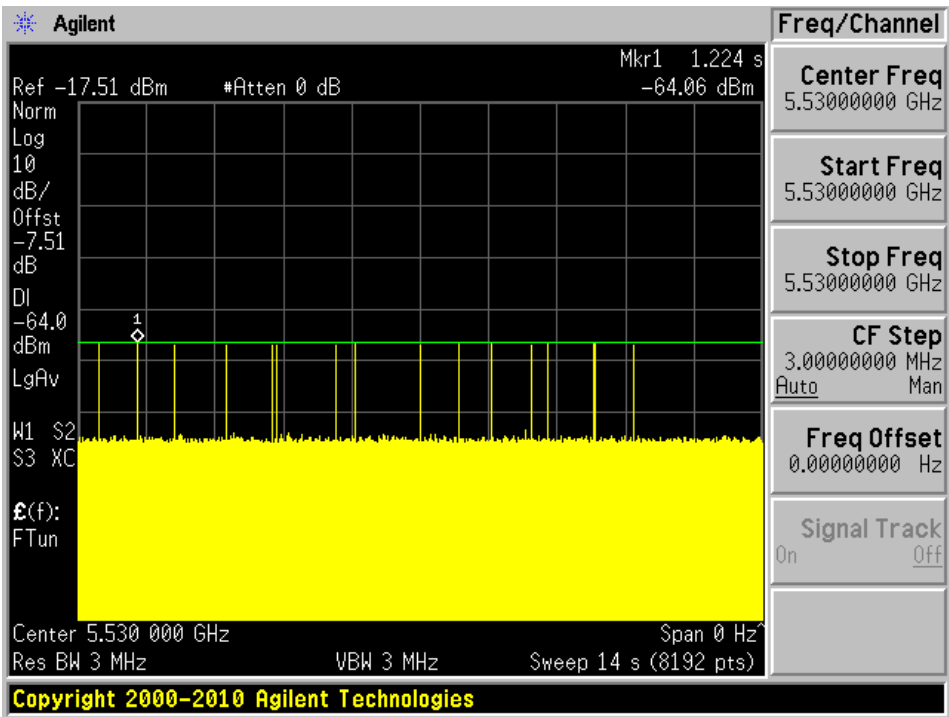

5530 MHz Type 6 Calibration
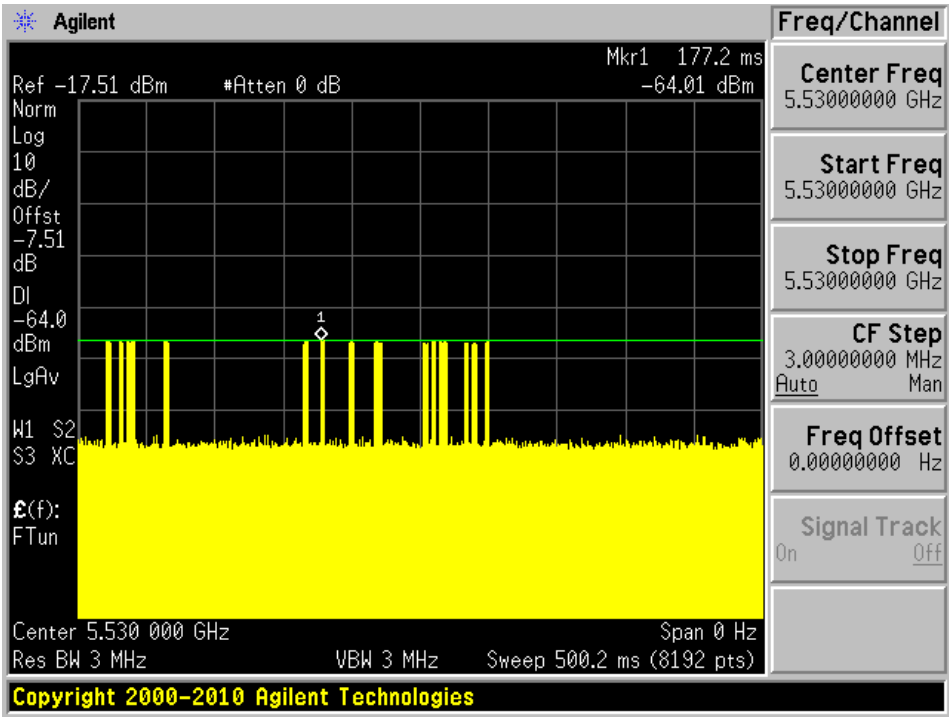
6   Channel Availability Check Time (CAC)

6.1   Test Procedure

1) Measure the initial power-up time of EUT.

2) With link established on channel, apply a radar signal within 0~6 seconds after the initial power-up period; monitor the transmissions on channel from the spectrum analyzer.

3) Reboot EUT, with a link established on channel, apply a radar signal within 54~60 seconds after the initial power-up period, and monitor the transmission on channel from the spectrum analyzer.

EUT Initial power-up Cycle Time

Note: EUT initial Power-up cycle is vary, this testing was performed with software monitor function that shows the start time of CAC, once the monitor shows the CAC start time, we used the stop watch to keep the accuracy of the testing.

Results:

Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Transmission begin after power-up cycle +60 seconds CAC	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 testing is performed with the Radar type 0.

5290 MHz FOS

Plot of Radar Type 0 applied within 6 seconds of start of CAC
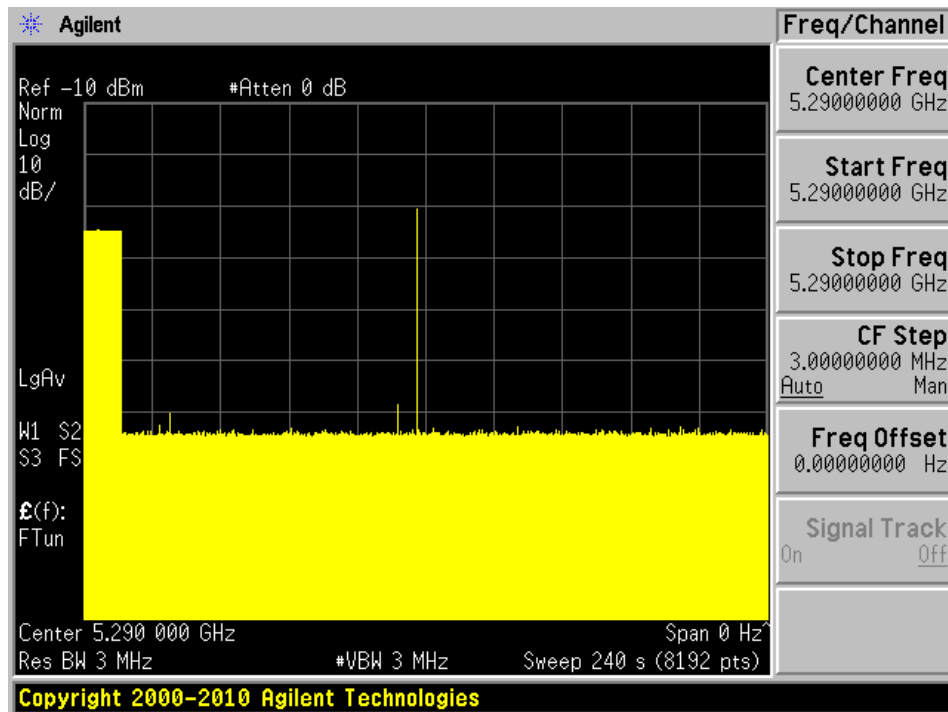
The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

Plot of Radar Type 0 applied at the end of 6 seconds of CAC
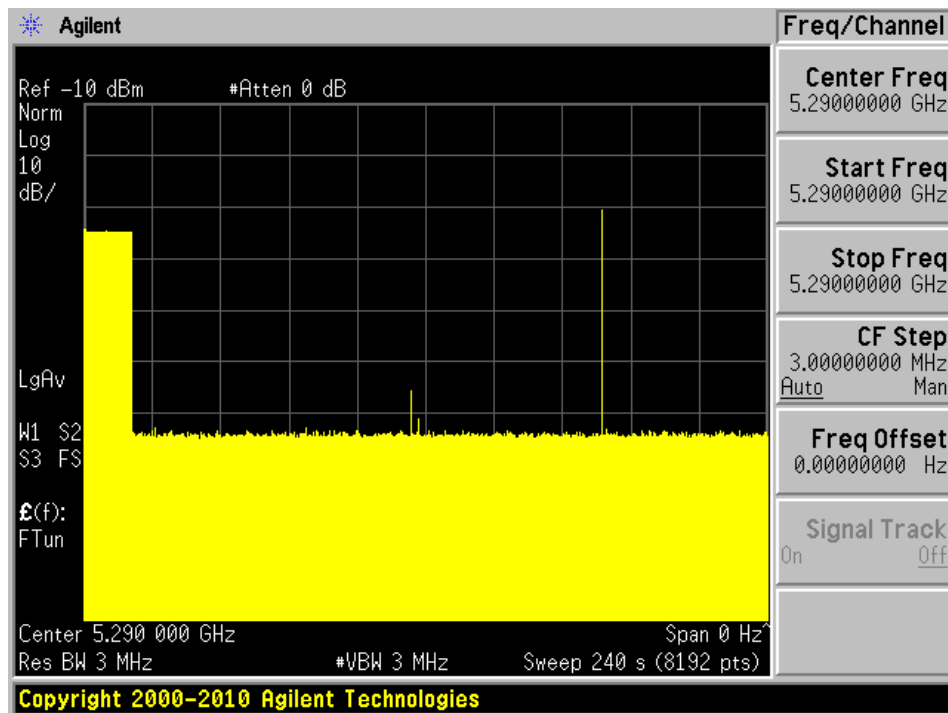
The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

5290 MHz MERU

Plot of Radar Type 0 applied within 6 seconds of start of CAC
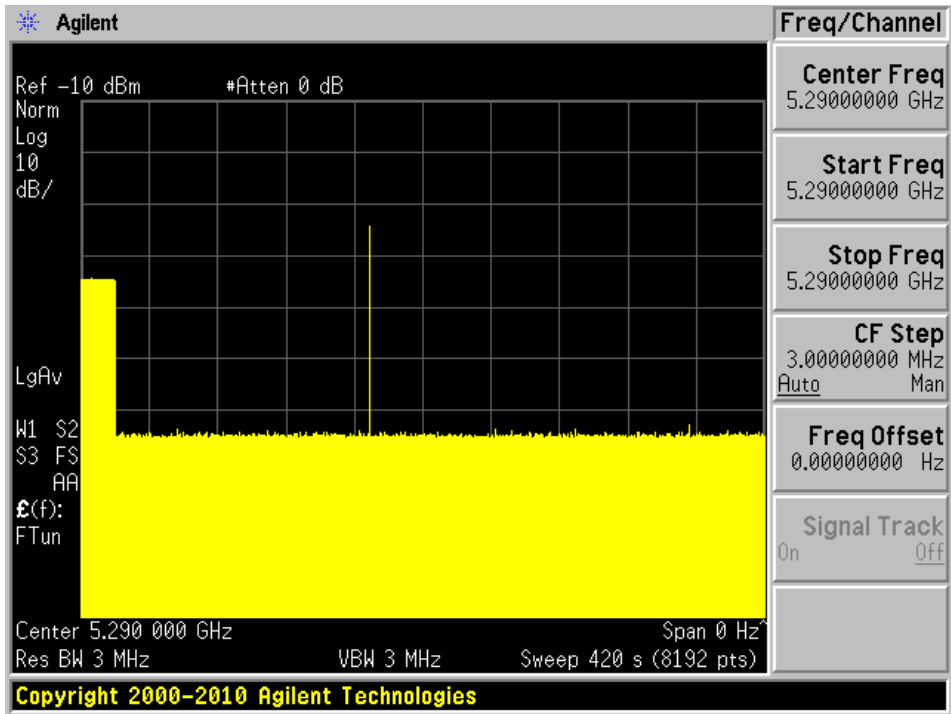
The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

Plot of Radar Type 0 applied at the end of 6 seconds of CAC
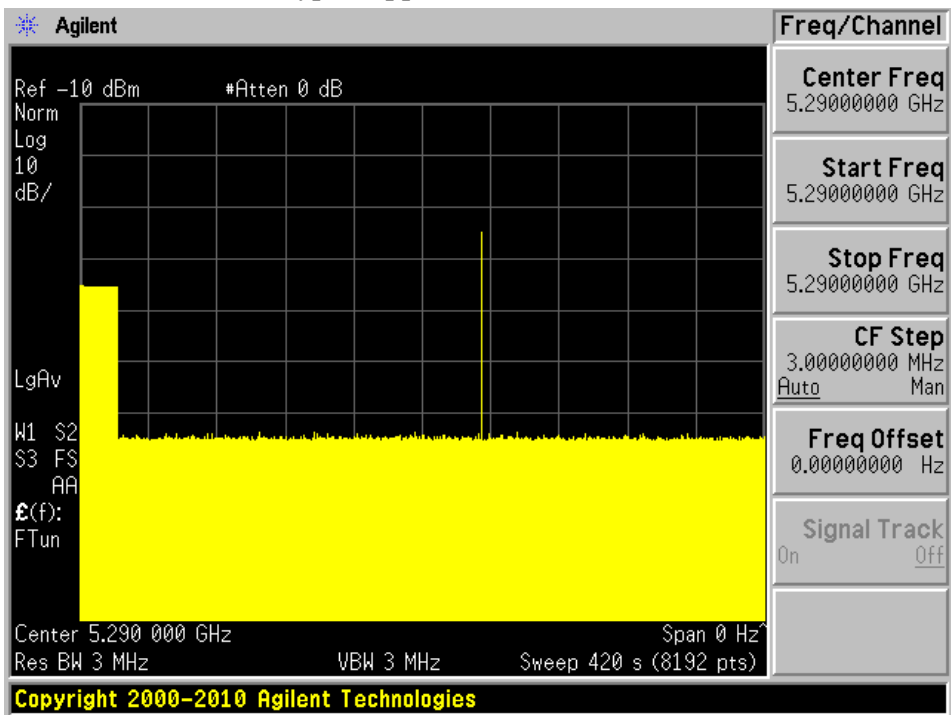
The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

5530 MHz FOS

Plot of Radar Type 0 applied within 6 seconds of start of CAC
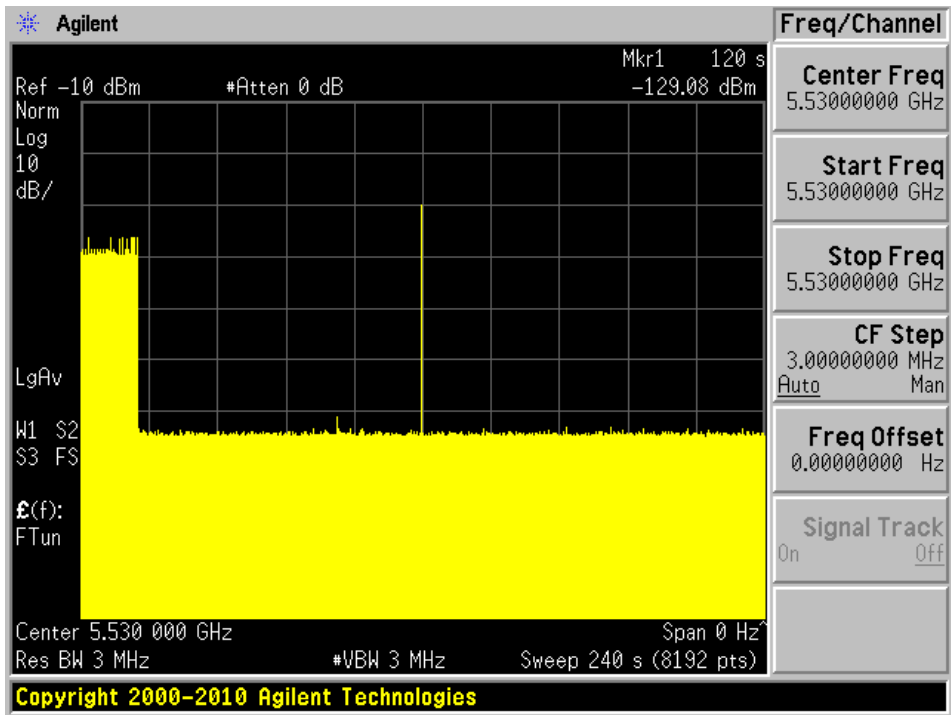
The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

Plot of Radar Type 0 applied at the end of 6 seconds of CAC
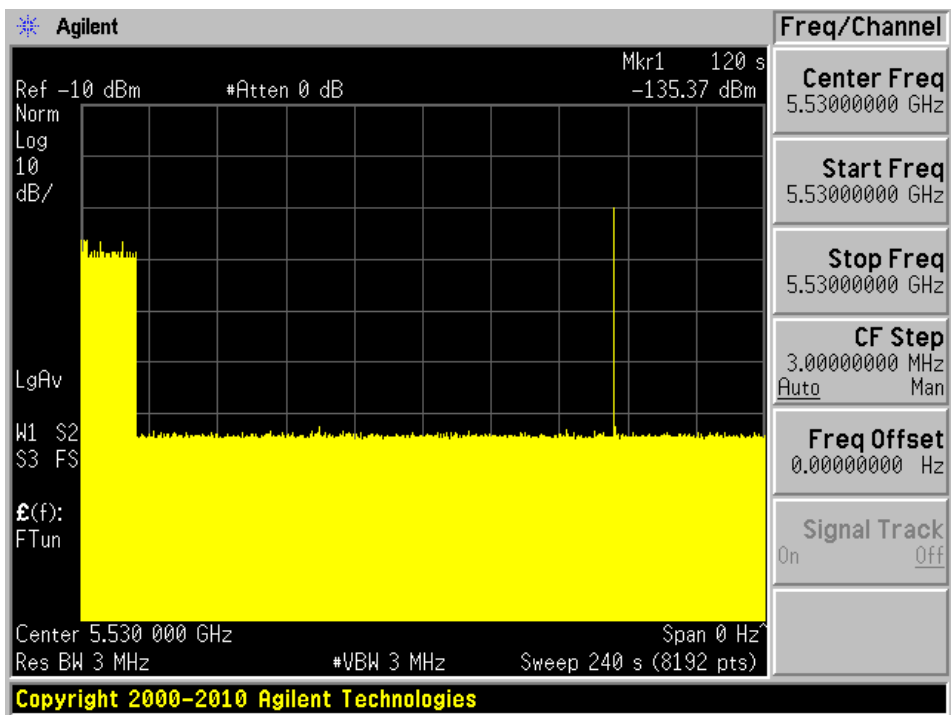
The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

5530 MHz MERU

Plot of Radar Type 0 applied within 6 seconds of start of CAC
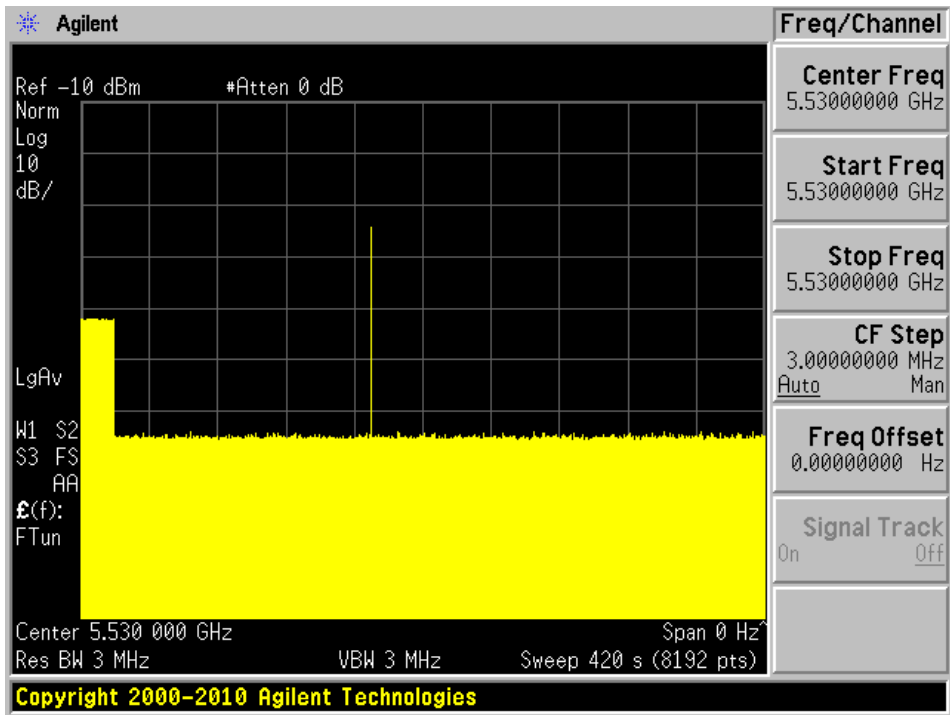
The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

Plot of Radar Type 0 applied at the end of 6 seconds of CAC
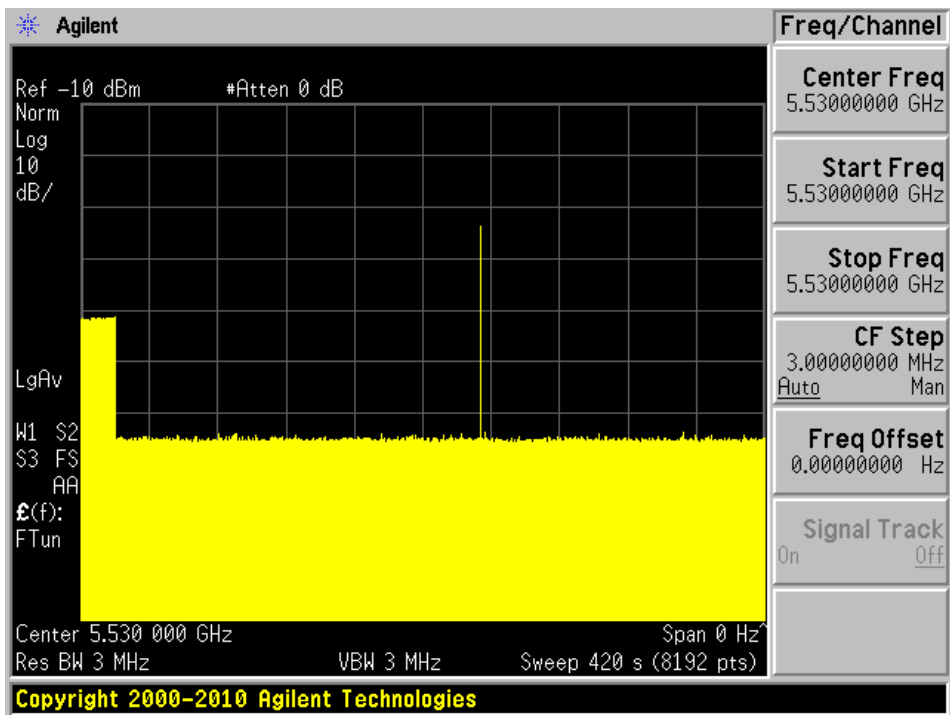
The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

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

Image	Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
FOS	5290	80	Type 0	Compliant
FOS	5530	80	Type 0	Compliant
MERU	5290	80	Type 0	Compliant
MERU	5530	80	Type 0	Compliant

Please refer to the following tables and plots.

5290 MHz, Bandwidth 80 MHz, FOS

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

Channel closing transmitting time (ms)	Limit (ms)	Result
56.15+17.09	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass
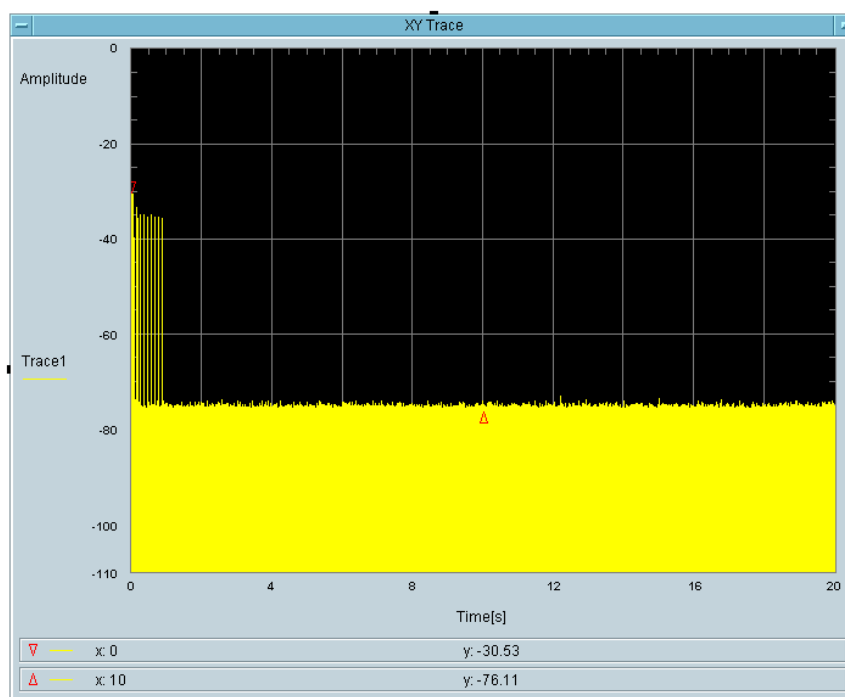
5530 MHz, Bandwidth 80 MHz, FOS

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

Channel closing transmitting time (ms)	Limit (ms)	Result
34.18+14.65	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass
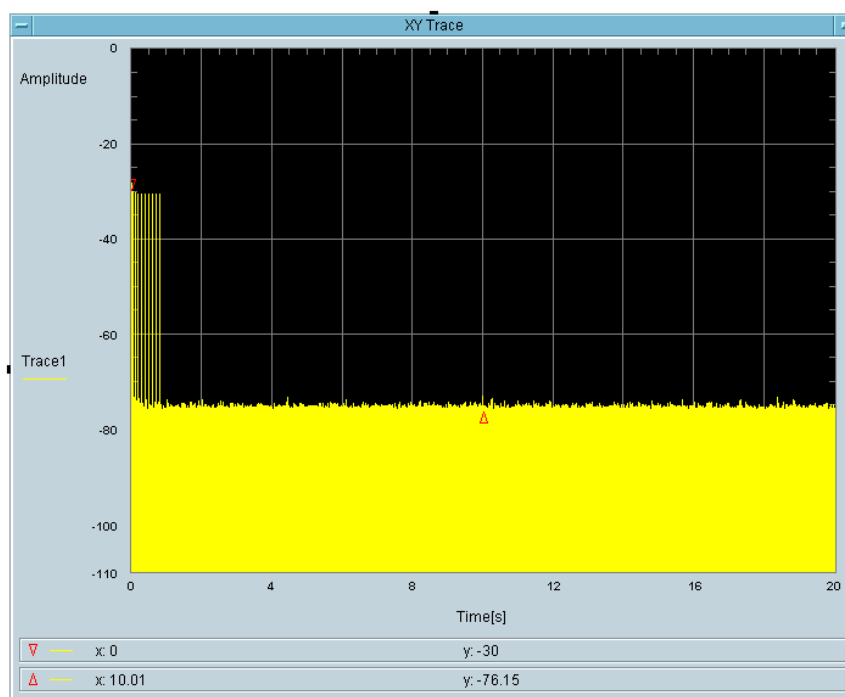
5290 MHz, Bandwidth 80 MHz, MERU

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

Channel closing transmitting time (ms)	Limit (ms)	Result
39.06+19.53	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass
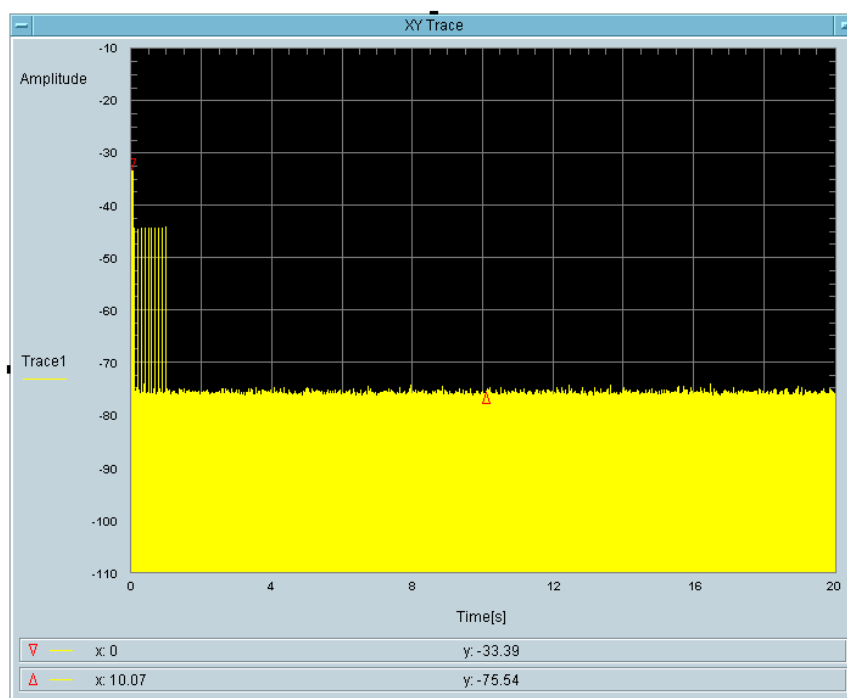
5530 MHz, Bandwidth 80 MHz, MERU

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

Channel closing transmitting time (ms)	Limit (ms)	Result
34.18+19.53	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass
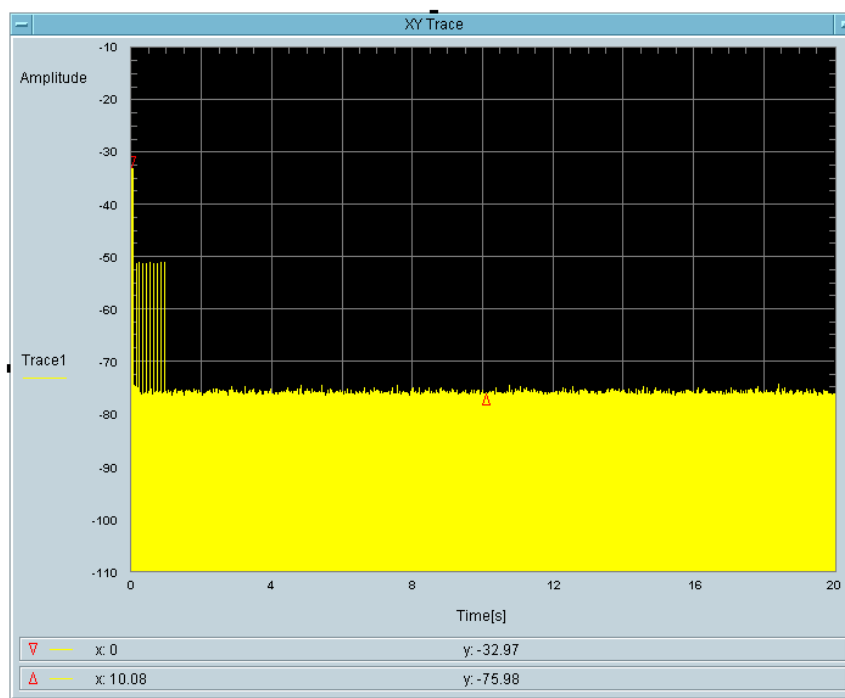
8   Non-Occupancy Period

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

Image	Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
FOS	5260	20	No transmission within 30 minutes
FOS	5500	20	No transmission within 30 minutes
MERU	5290	80	No transmission within 30 minutes
MERU	5530	80	No transmission within 30 minutes

Please refer to the following plots.

5260 MHz, Bandwidth 20 MHz, FOS
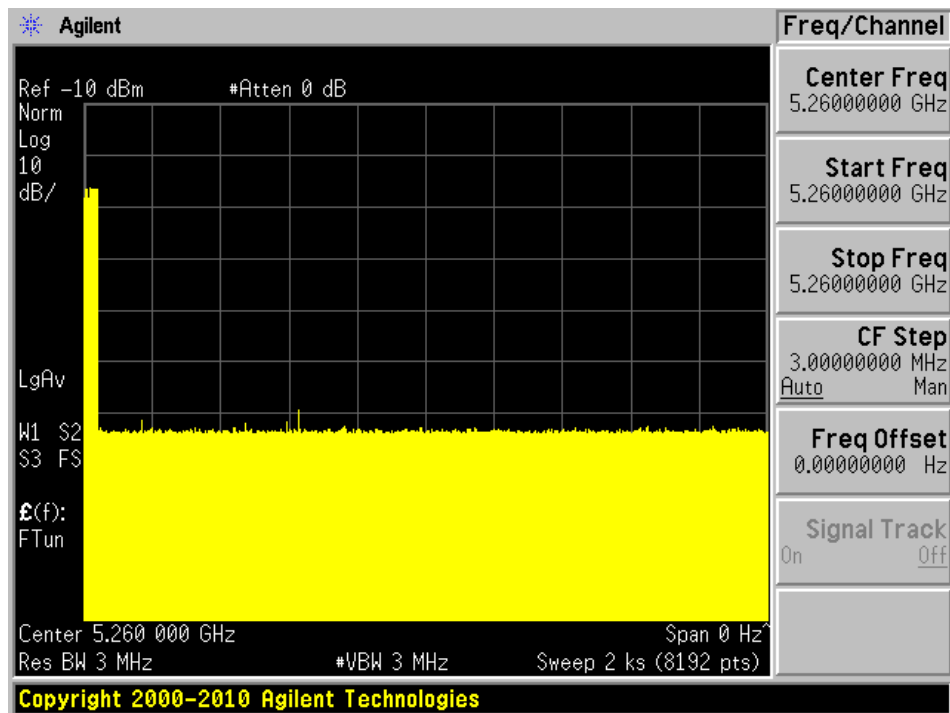
5500 MHz, Bandwidth 20 MHz, FOS
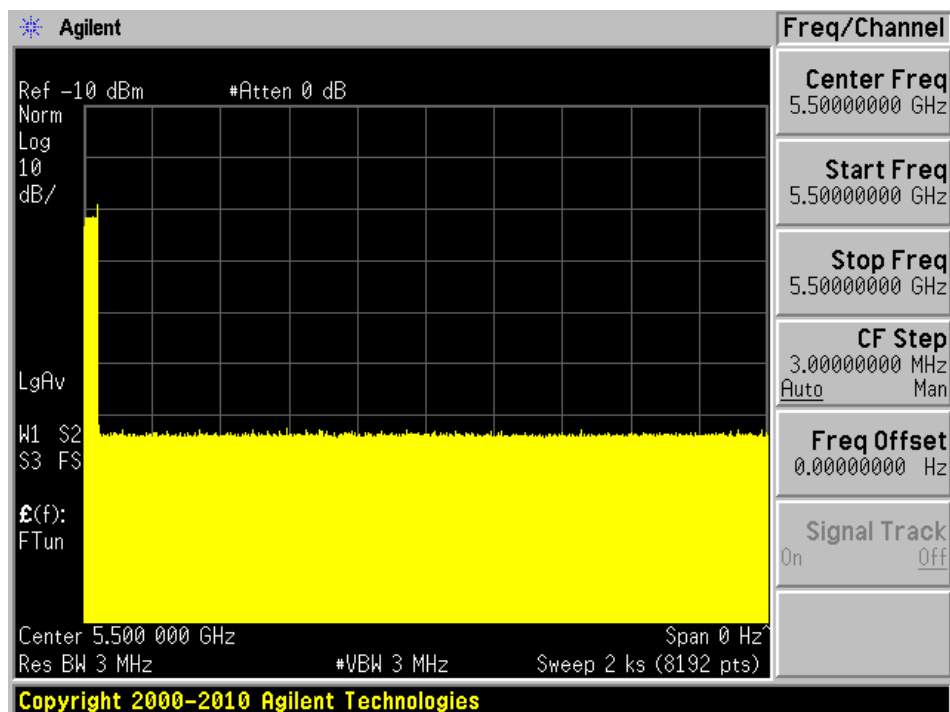
5290 MHz, Bandwidth 80 MHz, MERU
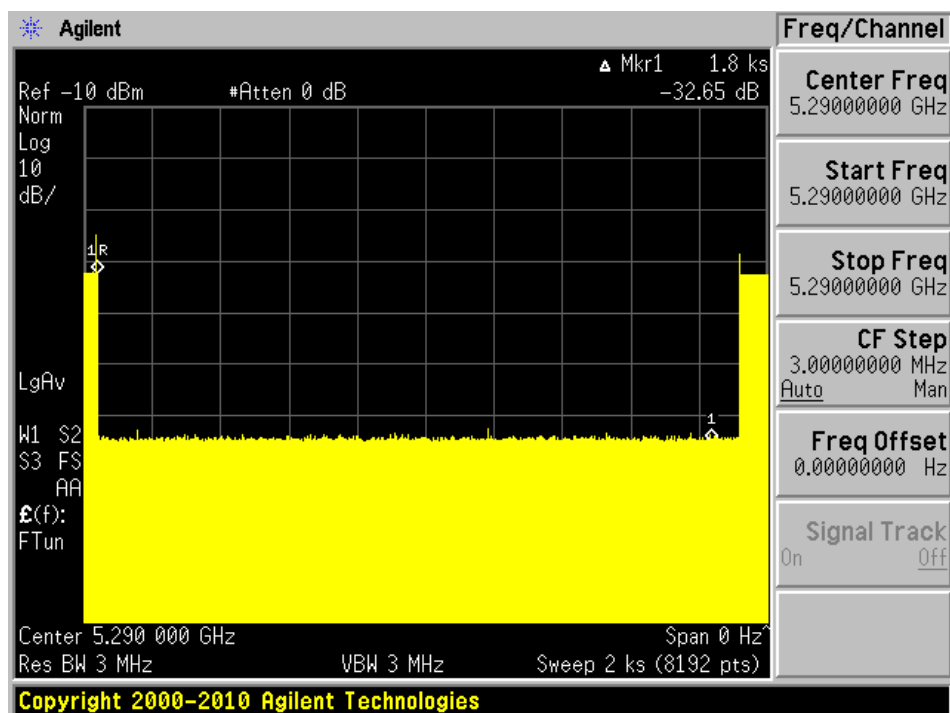
5530 MHz, Bandwidth 80 MHz, MERU
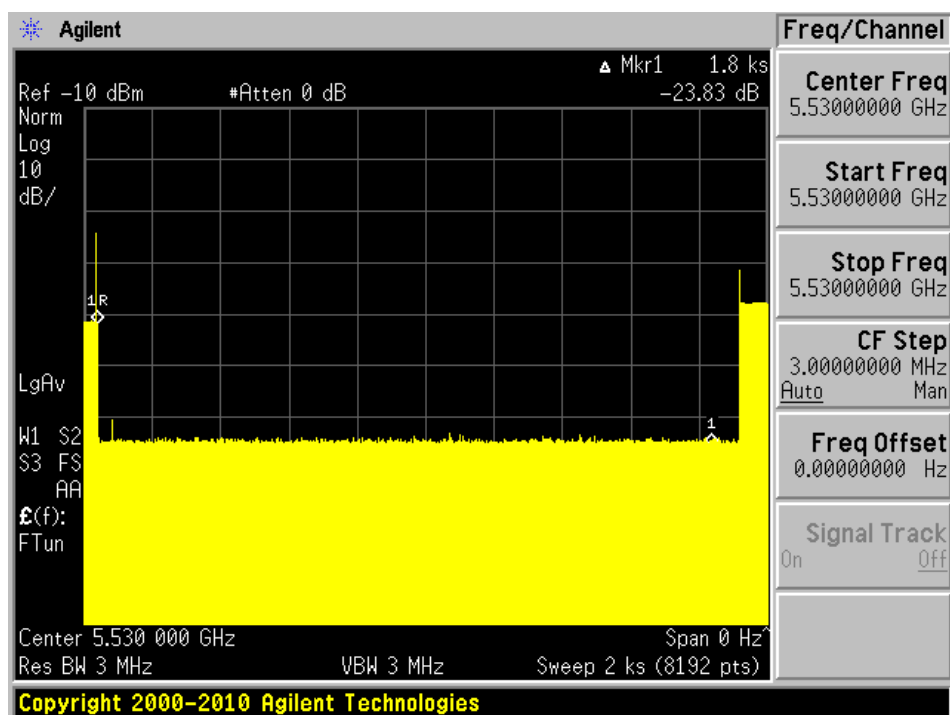
9   Radar Detection Bandwidth & Radar Detection Performance Check

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 FOS

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5260	5250	5270	20	100%	Compliance
5270	5249	5291	42	100%	Compliance
5290	5251	5330	79	100%	Compliance
5500	5491	5509	18	100%	Compliance
5510	5489	5530	41	100%	Compliance
5530	5490	5570	80	100%	Compliance

Please refer to the following tables.

Results of Detection Bandwidth:

EUT Frequency = 5260 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F$_L$)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(F$_H$)	1	1	1	1	1	1	1	1	1	1	100 %
5271	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F$_H$ – F$_L$=5270-5250=20 MHz											
EUT 99% OBW = 18 MHz; 18 x 100% = 18 MHz **Result:** Pass											

EUT Frequency = 5500 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
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(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 (F$_H$)	1	1	1	1	1	1	1	1	1	1	100 %
5510	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F$_H$ – F$_L$=5509-5491=18 MHz											
EUT 99% OBW = 18 MHz; 18 x 100% = 18 MHz **Result:** Pass											

Results of Detection Bandwidth:

EUT Frequency = 5270 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5248	0	0	0	0	0	0	0	0	0	0	0 %
5249(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5291(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5292	0	0	0	0	0	0	0	0	0	0	0 %

Detection Bandwidth = $F_H - F_L$=5291-5249=42 MHz

EUT 99% OBW = 38 MHz; 38 x 100% = 38 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 (%)
5488	0	0	0	0	0	0	0	0	0	0	0 %
5489(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5531	0	0	0	0	0	0	0	0	0	0	0 %

Detection Bandwidth = $F_H - F_L$=5530-5489=41 MHz

EUT 99% OBW = 38 MHz; 38 x 100% = 38 MHz　　**Result:**　　Pass

Results of Detection Bandwidth:

EUT Frequency = 5290 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5250	0	0	0	0	0	0	0	0	0	0	0 %
5251(F$_L$)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(F$_H$)	1	1	1	1	1	1	1	1	1	1	100 %
5331	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F$_H$ – F$_L$=5330-5251=79 MHz										
EUT 99% OBW = 76 MHz; 76 x 100% = 76 MHz **Result:** Pass										

EUT Frequency = 5530 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F$_L$)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(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 %
5570(F$_H$)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F$_H$ – F$_L$=5570-5490=80 MHz										
EUT 99% OBW = 76 MHz; 76 x 100% = 76 MHz　　　　**Result:**　　　Pass										

Test Results MERU

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5260	5250	5270	20	100%	Compliance
5270	5250	5290	40	100%	Compliance
5290	5252	5328	76	100%	Compliance
5500	5490	5510	20	100%	Compliance
5510	5490	5530	40	100%	Compliance
5530	5491	5569	78	100%	Compliance

Please refer to the following tables.

Results of Detection Bandwidth:

EUT Frequency = 5260 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F$_L$)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(F$_H$)	1	1	1	1	1	1	1	1	1	1	100 %
5271	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F$_H$ – F$_L$=5270-5250=20 MHz											
EUT 99% OBW = 18 MHz; 18 x 100% = 18 MHz **Result:** Pass											

EUT Frequency = 5500 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F$_L$)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510 (F$_H$)	1	1	1	1	1	1	1	1	1	1	100 %
5511	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F$_H$ – F$_L$=5510-5490=20 MHz											
EUT 99% OBW = 18 MHz; 18 x 100% = 18 MHz **Result:** Pass											

Results of Detection Bandwidth:

EUT Frequency = 5270 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5291	0	0	0	0	0	0	0	0	0	0	0 %

Detection Bandwidth = $F_H - F_L$=5290-5250=40 MHz

EUT 99% OBW = 38 MHz; 38 x 100% = 38 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 (%)
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5531	0	0	0	0	0	0	0	0	0	0	0 %

Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz

EUT 99% OBW = 38 MHz; 38 x 100% = 38 MHz   **Result:**   Pass

Results of Detection Bandwidth:

EUT Frequency = 5290 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5251	0	0	0	0	0	0	0	0	0	0	0 %
5252(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5328(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5329	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F_H – F_L=5329-5252=76 MHz										
EUT 99% OBW = 76 MHz; 76 x 100% = 76 MHz **Result:** Pass										

EUT Frequency = 5530 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5489	0	0	0	0	0	0	0	0	0	0	0 %
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 = 76 MHz; 76 x 100% = 76 MHz **Result:** Pass										

9.2   Radar Detection Performance Check FOS

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 FOS:

5260 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	93.33 %	80%	Pass
Type 5	30	90 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5260 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5260	63	1	838	1
2	5260	81	1	658	1
3	5260	74	1	718	1
4	5260	83	1	638	1
5	5260	78	1	678	1
6	5250	95	1	558	1
7	5250	65	1	818	1
8	5250	61	1	878	1
9	5250	89	1	598	1
10	5250	70	1	758	1
11	5270	67	1	798	1
12	5270	58	1	918	1
13	5270	92	1	578	1
14	5270	86	1	618	1
15	5270	76	1	698	1
16	5260	19	1	2836	1
17	5260	60	1	891	1
18	5260	26	1	2052	1
19	5260	66	1	801	1
20	5260	82	1	644	1
21	5250	42	1	1277	1
22	5250	26	1	2101	1
23	5250	23	1	2341	1
24	5250	24	1	2272	1
25	5250	69	1	768	1
26	5270	26	1	2035	1
27	5270	47	1	1139	1
28	5270	96	1	550	1
29	5270	19	1	2924	1
30	5270	48	1	1118	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5260	29	1.3	188	1
2	5260	29	2.2	164	1
3	5260	26	3.2	165	0
4	5260	24	3.4	203	1
5	5260	28	4.5	211	1
6	5260	23	1	177	1
7	5260	23	5	168	1
8	5260	27	3.2	228	1
9	5260	26	3.2	177	1
10	5260	25	4.8	209	1
11	5250	27	1.5	222	1
12	5250	28	4.1	211	1
13	5250	28	1.6	202	1
14	5250	25	3.2	184	1
15	5250	29	4.7	222	0
16	5250	28	1.4	150	1
17	5250	25	4.8	161	1
18	5250	27	3.4	173	1
19	5250	25	1.4	218	1
20	5250	25	3.1	212	1
21	5270	28	2.6	201	1
22	5270	25	2.9	172	0
23	5270	28	1.8	187	1
24	5270	29	4.8	194	1
25	5270	27	1.5	192	1
26	5270	25	3.2	158	1
27	5270	29	1.2	154	1
28	5270	23	4.2	165	1
29	5270	29	3.7	229	1
30	5270	25	2.3	188	1
Detection Percentage: 90 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5260	18	7.9	437	1
2	5260	18	9.9	329	1
3	5260	16	7.5	396	1
4	5260	16	7	327	1
5	5260	18	8.6	428	1
6	5260	17	6.7	483	1
7	5260	16	6.2	308	1
8	5260	17	6.1	259	1
9	5260	18	7.7	274	1
10	5260	16	7.6	442	1
11	5250	16	8.7	353	1
12	5250	16	7.6	330	1
13	5250	18	6	361	1
14	5250	16	6.5	376	1
15	5250	17	9.7	341	1
16	5250	16	6.5	359	1
17	5250	18	9.9	482	1
18	5250	17	9.3	389	1
19	5250	18	9.1	433	1
20	5250	16	8.2	286	1
21	5270	16	6.1	354	1
22	5270	18	6	445	1
23	5270	17	6.2	297	1
24	5270	18	7.2	335	1
25	5270	16	6.2	217	1
26	5270	16	7.8	254	1
27	5270	17	6.8	475	1
28	5270	17	8.7	275	1
29	5270	16	6.7	434	1
30	5270	18	7.1	293	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5260	16	12.9	465	1
2	5260	16	12.8	275	1
3	5260	12	12.3	327	1
4	5260	12	18.3	425	1
5	5260	15	19.8	474	1
6	5260	13	13.2	306	1
7	5260	16	16.6	308	1
8	5260	13	11.7	498	1
9	5260	14	13.3	350	1
10	5260	12	13.4	432	1
11	5250	14	11.7	230	1
12	5250	16	14.6	387	1
13	5250	15	18.3	469	1
14	5250	16	19.9	242	1
15	5250	14	14	416	1
16	5250	15	16.9	254	1
17	5250	12	15.6	481	1
18	5250	16	15.3	257	1
19	5250	15	15.9	313	1
20	5250	14	15.4	355	0
21	5270	15	13.6	296	1
22	5270	12	12.2	339	0
23	5270	16	18.5	250	1
24	5270	12	15.6	395	0
25	5270	14	19.6	456	1
26	5270	12	15	271	0
27	5270	13	15.9	350	0
28	5270	16	19	404	1
29	5270	12	13.5	240	1
30	5270	15	16.5	464	1
Detection Percentage: 83.33% (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5260	1
2	5260	1
3	5260	1
4	5260	0
5	5260	1
6	5260	1
7	5260	1
8	5260	1
9	5260	1
10	5260	1
11	5253.6	1
12	5252.8	1
13	5255.6	1
14	5254.4	1
15	5253.6	1
16	5252.0	1
17	5252.4	1
18	5258.0	0
19	5256.4	1
20	5256.8	1
21	5265.2	1
22	5264.8	1
23	5262.4	1
24	5266.0	1
25	5264.0	1
26	5263.2	0
27	5264.8	1
28	5267.2	1
29	5262.0	1
30	5263.6	1
Detection Percentage: 90 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	83.3	1728		0.109362	
1	3	15	96.8	1744	1432	1.23543	
2	2	15	84.9	1449		1.818457	
3	2	15	67.6	1737		2.143896	
4	2	15	72.5	1238		2.967411	
5	3	15	50.2	1106	1371	3.655318	
6	3	15	51.5	1358	1234	4.836365	
7	2	15	96.5	1266		5.570596	
8	1	15	91.6			6.092193	1
9	3	15	92	1549	1433	6.827577	
10	2	15	86.6	1021		7.285661	
11	1	15	55.1			7.884121	
12	3	15	61.9	1677	1200	8.907139	
13	2	15	81.5	1008		9.852872	
14	2	15	69.6	1254		10.490897	
15	2	15	77.5	1119		10.849043	
16	1	15	87.8			11.556911	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	77.8	1488		0.440038	
1	1	11	58.9			0.988936	
2	3	11	57.9	1807	1688	1.992094	
3	2	11	85	1477		2.810235	
4	3	11	75.6	1395	1941	3.003521	
5	1	11	79.8			4.245932	
6	2	11	95.3	1251		4.92431	
7	2	11	54	1798		5.401406	
8	1	11	83.3			6.361983	1
9	3	11	96.4	1484	1670	7.005106	
10	1	11	54.3			8.054932	
11	2	11	90.7	1052		8.415524	
12	2	11	85.9	1518		9.741612	
13	2	11	71.2	1496		9.97218	
14	2	11	69.7	1311		10.584868	
15	2	11	65.3	1393		11.96466	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	63	1722		1.204413	
1	3	14	55.8	1685	1863	2.247982	
2	2	14	78.1	1080		3.265223	
3	2	14	61	1595		5.237903	
4	2	14	96.7	1720		6.82664	1
5	2	14	83.6	1730		8.637461	
6	3	14	69	1054	1595	9.069936	
7	3	14	73.6	1958	1131	10.78001	

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	75.9	1919		0.529142	
1	1	8	96.4			1.749128	
2	3	8	91.8	1674	1207	1.84918	
3	2	8	65	1055		3.341175	
4	1	8	52.8			3.961416	
5	3	8	50.5	1415	1216	5.25194	
6	3	8	72.1	1008	1179	5.968029	0
7	2	8	52.8	1142		7.04867	
8	1	8	59.7			8.240155	
9	2	8	54.6	1831		8.686074	
10	3	8	55.9	1207	1358	9.695271	
11	3	8	59.7	1687	1258	10.943135	
12	1	8	91.9			11.519627	

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	85	1515		0.107059	
1	3	8	97.1	1573	1999	1.371668	
2	1	8	55.4			2.015875	
3	3	8	62.5	1653	1455	3.167106	
4	1	8	78.3			4.431589	
5	3	8	86.9	1982	1545	5.101838	
6	1	8	91.8			6.908575	1
7	2	8	68.9	1715		7.726733	
8	2	8	85.8	1278		8.789371	
9	3	8	54.9	1147	1902	9.048431	
10	1	8	89.3			10.861706	
11	2	8	78.1	1211		11.833112	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	57.8	1283	1060	0.125802	
1	2	15	55.7	1341		1.55325	
2	1	15	82.5			1.689807	
3	3	15	71.7	1734	1276	2.780792	
4	1	15	99.8			3.915944	
5	3	15	79.9	1634	1525	4.602747	
6	1	15	51.4			5.542387	
7	1	15	74.8			6.188379	1
8	2	15	78.1	1770		6.52725	
9	1	15	52.3			7.449433	
10	3	15	98.5	1839	1356	8.268655	
11	1	15	73.8			9.496036	
12	2	15	55.8	1377		9.81823	
13	1	15	56.6			10.482768	
14	3	15	76.8	1345	1630	11.334635	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	70	1774		0.772198	
1	1	8	64.1			1.492232	
2	1	8	68.3			3.354284	
3	1	8	83			4.321974	
4	3	8	88.7	1171	1061	4.870891	1
5	1	8	70.8			6.057322	
6	2	8	76.5	1674		7.574314	
7	1	8	78.6			8.464683	
8	2	8	60	1971		10.08434	
9	1	8	62.4			11.941144	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	57.7			0.139555	
1	2	7	78.1	1183		1.287395	
2	1	7	62.9			2.013533	
3	1	7	61.1			3.254218	
4	2	7	96.8	1276		4.431288	
5	1	7	99.8			5.32292	
6	3	7	61.2	1733	1213	6.672938	1
7	2	7	80.1	1544		7.268094	
8	3	7	71.5	1044	1100	8.196277	
9	2	7	51.5	1690		9.530934	
10	2	7	86.5	1863		10.596458	
11	2	7	53.1	1179		11.509366	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	79.6	1004		0.213129	
1	1	7	61.4			0.889131	
2	2	7	76.9	1986		2.158217	
3	1	7	94.9			2.795737	
4	2	7	75.4	1969		3.741052	
5	2	7	80.8	1564		4.392559	
6	2	7	85.5	1256		5.008158	
7	2	7	57.7	1041		5.820439	
8	2	7	72.1	1966		6.51193	1
9	2	7	81.5	1456		7.456795	
10	2	7	62.1	1412		7.718479	
11	3	7	51	1073	1792	8.456045	
12	2	7	62.3	1893		9.49075	
13	2	7	79.4	1078		10.285122	
14	2	7	79.5	1564		11.150195	
15	1	7	75.5			11.364876	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	83.7	1386		0.361297	
1	1	11	85.3			1.34958	
2	3	11	67.9	1954	1170	2.175371	
3	3	11	70.8	1771	1973	2.811692	
4	2	11	73.5	1419		3.896797	
5	2	11	65.8	1269		4.257637	
6	2	11	53.1	1613		5.373461	
7	2	11	96.6	1114		6.342426	1
8	2	11	95.4	1106		7.135203	
9	2	11	52.1	1146		7.26928	
10	2	11	83.9	1506		8.460374	
11	2	11	54.8	1709		8.988039	
12	2	11	78.1	1579		9.884901	
13	2	11	99	1009		10.49605	
14	2	11	57.4	1455		11.492933	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	78.7			0.892687	
1	3	9	67.8	1554	1780	2.130836	
2	2	9	69.1	1181		2.683477	
3	2	9	94.9	1210		4.062193	
4	1	9	68.7			4.841025	
5	2	9	77.8	1455		7.195021	1
6	1	9	97			7.649053	
7	2	9	89.7	1405		9.188387	
8	2	9	57.3	1080		9.771383	
9	2	9	91.6	1021		11.286528	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	99.1	1923	1844	0.151025	
1	2	7	79.7	1649		1.448601	
2	1	7	71.7			2.185703	
3	2	7	78.2	1768		2.518748	
4	1	7	63.1			3.174993	
5	3	7	96.3	1587	1379	4.036052	
6	2	7	99.9	1118		4.852232	
7	1	7	93.2			5.833786	
8	2	7	70.2	1116		6.455735	1
9	3	7	98.9	1132	1524	7.369624	
10	2	7	98.2	1134		7.691595	
11	2	7	62.3	1038		8.514655	
12	2	7	85.3	1798		9.224851	
13	2	7	71.1	1276		10.263528	
14	2	7	67.5	1552		10.623973	
15	3	7	57.6	1431	1828	11.993024	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	64.6	1901	2000	0.454788	
1	2	14	86.2	1527		0.845143	
2	3	14	68.9	1117	1904	1.731526	
3	1	14	63.7			2.279648	
4	2	14	77.1	1080		2.771905	
5	2	14	89.3	1682		3.653375	
6	2	14	62.7	1279		4.625316	
7	2	14	92.7	1242		5.27355	
8	2	14	57.7	1450		5.470798	1
9	1	14	72.3			6.568644	
10	3	14	88.1	1925	1986	7.214353	
11	2	14	89.8	1291		7.957005	
12	3	14	83.6	1369	1746	8.544316	
13	1	14	68.4			9.235931	
14	1	14	89.9			9.928611	
15	2	14	63.9	1575		10.120068	
16	2	14	55.5	1359		11.003797	
17	2	14	83.8	1987		11.621649	

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	98.4	1629		0.687138	
1	2	11	92.2	1705		2.133419	
2	1	11	76.9			2.675945	
3	1	11	89.5			3.607791	
4	2	11	59.9	1097		5.431601	1
5	1	11	80.6			6.813283	
6	2	11	54.8	1174		7.359099	
7	2	11	86.1	1942		9.374059	
8	1	11	82.7			10.417922	
9	2	11	86	1871		11.217223	

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	9	58.6	1614		0.408793	
1	3	9	60.8	1083	1116	0.876056	
2	2	9	96.2	1781		1.917303	
3	3	9	97.5	1976	1969	2.00131	
4	2	9	76.5	1898		2.803909	
5	3	9	81.1	1642	1504	3.770547	
6	2	9	90.6	1741		4.38713	
7	1	9	54.3			4.734206	
8	3	9	91.1	1582	1670	5.333669	1
9	2	9	94.3	1771		6.050633	
10	2	9	61.8	1893		7.286329	
11	2	9	92.3	1254		7.789932	
12	1	9	98.9			8.286092	
13	3	9	66.2	1817	1817	8.918265	
14	2	9	89.3	1216		9.364979	
15	3	9	90	1224	1113	10.279863	
16	3	9	52.6	1828	1031	10.83103	
17	1	9	52.9			11.968246	

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	5	73.4	1939		0.427088	
1	3	5	99.1	1797	1481	0.881116	
2	2	5	76.8	1046		1.511991	
3	2	5	82.7	1914		2.135519	
4	3	5	59.1	1259	1744	3.005628	
5	2	5	86.4	1700		3.649929	
6	1	5	57.4			4.107115	
7	1	5	55.1			4.890822	
8	3	5	70.4	1013	1639	5.593988	
9	3	5	79.3	1543	1461	5.89537	1
10	3	5	70	1892	1363	6.781045	
11	2	5	74.8	1992		7.064995	
12	2	5	93.6	1586		7.971716	
13	1	5	80.1			8.356254	
14	3	5	92.9	1877	1188	9.288669	
15	2	5	94.2	1292		9.995035	
16	2	5	69.7	1191		10.643811	
17	3	5	54.5	1090	1245	11.12014	
18	2	5	62.4	1294		11.609726	

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	63.8	1280		0.449446	
1	2	6	74.7	1304		1.484645	
2	2	6	61.9	1466		2.741607	
3	1	6	97.8			3.910236	
4	3	6	63.6	1925	1331	4.300844	
5	2	6	64.6	1762		5.461445	1
6	2	6	59.4	1734		6.903686	
7	2	6	62	1810		7.880056	
8	3	6	55.5	1762	1408	8.131674	
9	1	6	80.6			9.24928	
10	2	6	62.6	1742		10.596164	
11	3	6	53.3	1670	1318	11.111092	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	77.2	1141		0.182502	
1	1	20	75.1			2.32418	
2	2	20	83.6	1526		3.076723	
3	1	20	53.2			4.397379	
4	2	20	96.6	1978		5.106988	
5	3	20	63.1	1908	1431	6.131826	0
6	2	20	67.4	1400		7.892946	
7	3	20	56.7	1328	1153	9.347028	
8	2	20	65.7	1883		10.633695	
9	3	20	63.9	1008	1423	11.724189	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	99.5	1458		0.405702	
1	1	16	76.5			2.581311	
2	2	16	66.4	1225		3.029157	
3	1	16	63.9			5.315513	
4	3	16	91.6	1135	1577	6.638234	1
5	1	16	51.7			7.41251	
6	3	16	52.7	1805	1855	8.695445	
7	1	16	96.1			9.924319	
8	2	16	57.7	1820		11.768089	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	78.7	1179		0.734015	
1	1	17	55			2.084989	
2	2	17	95.5	1838		2.668643	
3	3	17	97.7	1857	1235	4.991504	
4	1	17	79.1			5.459785	1
5	2	17	89.1	1895		7.371116	
6	2	17	72.7	1408		9.122178	
7	2	17	63.3	1470		9.449982	
8	1	17	78.4			11.463713	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	79.4	1217		0.108174	
1	2	12	50.6	1290		1.12303	
2	2	12	83.2	1107		2.916276	
3	2	12	53.3	1409		4.153119	
4	2	12	91.2	1272		4.934163	
5	2	12	77.2	1693		6.287906	1
6	2	12	66.1	1035		6.923163	
7	2	12	54.5	1038		7.956682	
8	1	12	66.6			9.345909	
9	2	12	88	1340		9.876775	
10	3	12	98.1	1270	1971	11.592943	

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	50.3			0.332708	
1	3	13	91.3	1054	1290	1.613146	
2	1	13	61.9			2.283875	
3	2	13	52.2	1133		3.462441	
4	2	13	63.4	1197		3.851327	
5	2	13	96.1	1362		5.395678	
6	1	13	93.6			5.979843	1
7	2	13	72.6	1712		6.483955	
8	3	13	68.8	1537	1120	8.138999	
9	1	13	74.6			9.02995	
10	1	13	91.1			10.07129	
11	3	13	83	1583	1212	10.680913	
12	1	13	59.3			11.628607	

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	57.1	1739		0.490304	
1	2	19	76	1347		1.420001	
2	1	19	53			2.16492	
3	3	19	57.2	1575	1044	3.69696	
4	2	19	56.3	1768		4.353208	
5	2	19	54.1	1136		5.703035	
6	2	19	77.5	1687		6.842319	1
7	2	19	99.3	1900		7.884452	
8	3	19	86.2	1199	1071	8.620088	
9	1	19	87.5			9.782782	
10	3	19	76.5	1097	1820	10.553723	
11	3	19	80.3	1085	1510	11.713166	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	77.9	1242	1454	0.221359	
1	1	10	64.8			1.465919	
2	1	10	64.1			2.527567	
3	3	10	62.7	1278	2000	4.047173	
4	1	10	72.5			5.066251	
5	3	10	96.7	1154	1054	5.933954	1
6	1	10	75.6			6.652216	
7	3	10	66.7	1990	1951	7.910074	
8	2	10	70.1	1134		9.768977	
9	3	10	64.6	1288	1269	10.024616	
10	2	10	64.7	1770		11.75221	

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	15	82			0.085556	
1	3	15	94.5	1733	1311	1.189002	
2	2	15	99.9	1286		1.73888	
3	2	15	89.9	1086		1.987159	
4	2	15	61	1675		2.457017	
5	1	15	94.8			3.467049	
6	3	15	99	1747	1903	3.762818	
7	3	15	57.3	1654	1139	4.508248	
8	1	15	73.6			4.952092	
9	2	15	60.3	1824		5.591044	
10	3	15	98.1	1897	1665	6.487953	1
11	1	15	51.3			7.192203	
12	1	15	82.2			7.567312	
13	2	15	75	1478		8.072909	
14	3	15	91	1381	1985	8.651197	
15	2	15	60.2	1309		9.292746	
16	2	15	94.7	1443		9.824758	
17	3	15	71.8	1361	1300	10.710429	
18	3	15	97.5	1955	1696	11.334534	
19	3	15	58.6	1949	1865	11.526525	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	89.9	1726		0.241955	
1	1	17	97.6			1.545222	
2	3	17	60.5	1127	1075	2.375518	
3	2	17	95	1131		4.163973	
4	1	17	85.1			4.448423	
5	3	17	95.7	1239	1920	5.495256	0
6	1	17	99.1			6.835581	
7	3	17	58.7	1041	1639	8.633957	
8	1	17	53.6			9.498818	
9	1	17	79.4			9.974744	
10	2	17	66.7	1707		11.796586	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	95.7	1692	1768	0.311938	
1	3	13	86.5	1186	1286	1.231528	
2	1	13	91.6			1.883964	
3	3	13	50.6	1777	1822	2.490671	
4	2	13	88.7	1460		2.600123	
5	1	13	59.6			3.78307	
6	2	13	64.4	1391		4.164042	
7	3	13	94.7	1139	1723	4.666342	
8	2	13	72.5	1810		5.098981	
9	2	13	88.6	1747		5.857787	1
10	3	13	55.9	1244	1145	6.606317	
11	2	13	76.9	1211		7.421493	
12	2	13	55.3	1656		8.137806	
13	3	13	92.9	1124	1035	8.571806	
14	3	13	96	1142	1297	9.266405	
15	2	13	63.5	1180		9.760447	
16	2	13	97.5	1243		10.210165	
17	2	13	62.6	1785		11.064061	
18	2	13	81.9	1278		11.434719	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	80.6	1784		0.832992	
1	1	7	93.9			1.711088	
2	3	7	72.8	1976	1463	2.189525	
3	3	7	78	1526	1910	3.268739	
4	2	7	61.2	1321		3.573219	
5	2	7	68.5	1874		4.515017	
6	1	7	77.9			5.845391	
7	1	7	68.9			6.582445	1
8	2	7	64.5	1171		7.430466	
9	1	7	66.2			8.168098	
10	1	7	74			8.737868	
11	1	7	52.4			9.528043	
12	2	7	89.7	1691		10.989656	
13	2	7	59	1090		11.264691	

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	20	74.6	1027		0.383567	
1	2	20	80.4	1890		1.255551	
2	2	20	85	1759		1.552442	
3	2	20	64.2	1915		2.601565	
4	3	20	72.7	1269	1441	3.273988	
5	2	20	77.7	1991		3.424322	
6	3	20	92.9	1804	1186	4.625062	
7	3	20	98.1	1766	1428	5.162756	
8	3	20	64.1	1299	1024	5.649047	
9	2	20	53.7	1658		6.535365	1
10	1	20	89.4			7.228782	
11	3	20	55.9	1267	1375	7.752522	
12	3	20	92.5	1655	1464	8.036638	
13	1	20	68.8			8.841658	
14	1	20	77.1			9.767503	
15	2	20	56.4	1634		10.332956	
16	3	20	58.5	1730	1355	10.954409	
17	2	20	68.2	1570		11.450596	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	77.8	1785	1608	0.943707	
1	1	16	79.9			1.807457	
2	1	16	60			2.802884	
3	2	16	78.2	1017		3.58487	
4	3	16	54.3	1102	1551	4.355343	
5	1	16	58.4			5.937195	
6	3	16	75.4	1801	1895	6.61753	1
7	2	16	66.3	1054		7.966001	
8	2	16	91	1164		8.897995	
9	2	16	90.3	1418		9.646179	
10	2	16	95.1	1538		10.077875	
11	1	16	67.8			11.263057	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5260	9	1	333	1	5308.0, 5595.0, 5280.0, 5366.0, 5488.0, 5368.0, 5389.0, 5556.0, 5528.0, 5475.0, 5377.0, 5482.0, 5413.0, 5575.0, 5267.0, 5536.0, 5262.0, 5376.0, 5407.0, 5384.0, 5265.0, 5361.0, 5411.0, 5329.0, 5421.0, 5468.0, 5514.0, 5253.0, 5658.0, 5427.0, 5589.0, 5295.0, 5275.0, 5568.0, 5708.0, 5289.0, 5533.0, 5372.0, 5305.0, 5317.0, 5393.0, 5607.0, 5417.0, 5322.0, 5540.0, 5557.0, 5563.0, 5266.0, 5712.0, 5602.0, 5576.0, 5547.0, 5676.0, 5688.0, 5358.0, 5374.0, 5702.0, 5537.0, 5364.0, 5292.0, 5354.0, 5271.0, 5442.0, 5341.0, 5304.0, 5431.0, 5659.0, 5638.0, 5401.0, 5580.0, 5691.0, 5650.0, 5486.0, 5425.0, 5327.0, 5333.0, 5347.0, 5312.0, 5257.0, 5375.0, 5440.0, 5381.0, 5518.0, 5546.0, 5339.0, 5506.0, 5332.0, 5418.0, 5689.0, 5635.0, 5318.0, 5390.0, 5320.0, 5527.0, 5511.0, 5625.0, 5454.0, 5504.0, 5662.0, 5497.0 (number of hits: 6)
2	5260	9	1	333	1	5417.0, 5587.0, 5679.0, 5467.0, 5341.0, 5369.0, 5325.0, 5485.0, 5421.0, 5414.0, 5624.0, 5601.0, 5611.0, 5570.0, 5499.0, 5435.0, 5436.0, 5476.0, 5544.0, 5554.0, 5471.0, 5565.0, 5327.0, 5524.0, 5347.0, 5428.0, 5630.0, 5494.0, 5289.0, 5572.0, 5628.0, 5613.0, 5511.0, 5690.0, 5375.0, 5461.0, 5469.0, 5600.0, 5648.0, 5532.0, 5420.0, 5610.0, 5566.0, 5300.0, 5378.0, 5456.0, 5721.0, 5305.0, 5660.0, 5322.0, 5324.0, 5558.0, 5462.0, 5590.0, 5671.0, 5350.0, 5486.0, 5578.0, 5358.0, 5547.0, 5394.0, 5567.0, 5484.0, 5518.0, 5597.0, 5457.0, 5281.0, 5506.0, 5712.0, 5291.0, 5649.0, 5688.0, 5636.0, 5646.0, 5393.0, 5579.0, 5674.0, 5331.0, 5501.0, 5686.0, 5520.0, 5575.0, 5603.0, 5602.0, 5283.0, 5404.0, 5607.0, 5260.0, 5681.0, 5444.0, 5313.0, 5385.0, 5668.0, 5514.0, 5606.0, 5389.0, 5459.0, 5470.0, 5288.0, 5454.0 (number of hits: 1)
3	5260	9	1	333	1	5685.0, 5291.0, 5267.0, 5280.0, 5337.0, 5597.0, 5614.0, 5711.0, 5506.0, 5688.0, 5371.0, 5439.0, 5370.0, 5489.0, 5486.0, 5586.0, 5327.0, 5457.0, 5378.0, 5527.0, 5435.0, 5391.0, 5411.0, 5394.0, 5529.0, 5255.0, 5701.0, 5639.0, 5480.0, 5582.0, 5636.0, 5534.0, 5587.0, 5571.0, 5492.0, 5618.0, 5515.0, 5635.0, 5521.0, 5508.0, 5269.0, 5584.0, 5647.0, 5611.0, 5606.0, 5696.0, 5300.0, 5671.0, 5642.0, 5376.0, 5276.0, 5612.0, 5522.0, 5574.0, 5710.0, 5444.0, 5559.0, 5409.0, 5631.0, 5665.0,

						5377.0, 5261.0, 5336.0, 5447.0, 5385.0, 5398.0, 5302.0, 5658.0, 5317.0, 5706.0, 5542.0, 5482.0, 5703.0, 5484.0, 5404.0, 5285.0, 5510.0, 5668.0, 5381.0, 5721.0, 5431.0, 5487.0, 5512.0, 5700.0, 5445.0, 5693.0, 5306.0, 5410.0, 5560.0, 5362.0, 5252.0, 5340.0, 5676.0, 5530.0, 5644.0, 5557.0, 5517.0, 5356.0, 5498.0, 5652.0 (number of hits: 5)
4	5260	9	1	333	1	5611.0, 5479.0, 5709.0, 5506.0, 5310.0, 5291.0, 5429.0, 5346.0, 5688.0, 5337.0, 5290.0, 5328.0, 5675.0, 5599.0, 5480.0, 5531.0, 5405.0, 5302.0, 5390.0, 5309.0, 5576.0, 5300.0, 5493.0, 5604.0, 5397.0, 5356.0, 5638.0, 5707.0, 5367.0, 5385.0, 5335.0, 5648.0, 5447.0, 5583.0, 5537.0, 5615.0, 5636.0, 5383.0, 5550.0, 5628.0, 5273.0, 5689.0, 5406.0, 5307.0, 5369.0, 5431.0, 5322.0, 5374.0, 5509.0, 5657.0, 5421.0, 5264.0, 5567.0, 5338.0, 5254.0, 5278.0, 5379.0, 5539.0, 5358.0, 5327.0, 5621.0, 5579.0, 5547.0, 5422.0, 5663.0, 5582.0, 5593.0, 5584.0, 5544.0, 5677.0, 5425.0, 5330.0, 5386.0, 5336.0, 5368.0, 5260.0, 5641.0, 5708.0, 5251.0, 5595.0, 5371.0, 5643.0, 5483.0, 5284.0, 5403.0, 5532.0, 5518.0, 5325.0, 5320.0, 5292.0, 5462.0, 5578.0, 5558.0, 5442.0, 5449.0, 5492.0, 5609.0, 5381.0, 5350.0, 5373.0 (number of hits: 4)
5	5260	9	1	333	1	5633.0, 5413.0, 5412.0, 5676.0, 5451.0, 5397.0, 5591.0, 5287.0, 5275.0, 5485.0, 5700.0, 5515.0, 5447.0, 5290.0, 5721.0, 5601.0, 5558.0, 5634.0, 5530.0, 5620.0, 5709.0, 5434.0, 5490.0, 5500.0, 5449.0, 5440.0, 5388.0, 5316.0, 5650.0, 5717.0, 5457.0, 5535.0, 5297.0, 5452.0, 5679.0, 5372.0, 5523.0, 5510.0, 5408.0, 5475.0, 5376.0, 5662.0, 5402.0, 5374.0, 5605.0, 5389.0, 5420.0, 5446.0, 5544.0, 5334.0, 5512.0, 5291.0, 5539.0, 5467.0, 5391.0, 5571.0, 5261.0, 5262.0, 5345.0, 5368.0, 5619.0, 5419.0, 5522.0, 5644.0, 5607.0, 5347.0, 5383.0, 5353.0, 5416.0, 5428.0, 5568.0, 5493.0, 5454.0, 5623.0, 5472.0, 5714.0, 5442.0, 5498.0, 5476.0, 5611.0, 5534.0, 5471.0, 5473.0, 5674.0, 5256.0, 5362.0, 5629.0, 5647.0, 5259.0, 5519.0, 5354.0, 5557.0, 5489.0, 5573.0, 5640.0, 5578.0, 5492.0, 5450.0, 5538.0, 5637.0 (number of hits: 4)
6	5260	9	1	333	1	5482.0, 5288.0, 5274.0, 5609.0, 5456.0, 5477.0, 5330.0, 5522.0, 5705.0, 5275.0, 5723.0, 5629.0, 5305.0, 5442.0, 5321.0, 5322.0, 5542.0, 5627.0, 5386.0, 5604.0, 5359.0, 5526.0, 5444.0, 5622.0, 5699.0, 5389.0, 5355.0, 5303.0, 5606.0, 5595.0, 5535.0, 5256.0, 5617.0, 5704.0, 5508.0, 5423.0, 5514.0, 5342.0, 5515.0, 5626.0,

						5638.0, 5607.0, 5350.0, 5351.0, 5363.0, 5532.0, 5438.0, 5356.0, 5505.0, 5360.0, 5593.0, 5655.0, 5339.0, 5377.0, 5574.0, 5371.0, 5252.0, 5421.0, 5337.0, 5488.0, 5543.0, 5372.0, 5458.0, 5357.0, 5465.0, 5552.0, 5531.0, 5277.0, 5613.0, 5567.0, 5265.0, 5663.0, 5290.0, 5452.0, 5692.0, 5591.0, 5307.0, 5666.0, 5697.0, 5323.0, 5419.0, 5369.0, 5506.0, 5271.0, 5309.0, 5450.0, 5520.0, 5601.0, 5625.0, 5597.0, 5548.0, 5580.0, 5602.0, 5554.0, 5563.0, 5399.0, 5493.0, 5396.0, 5281.0, 5686.0 (number of hits: 3)
7	5260	9	1	333	1	5256.0, 5632.0, 5621.0, 5292.0, 5481.0, 5329.0, 5323.0, 5368.0, 5456.0, 5553.0, 5358.0, 5670.0, 5505.0, 5433.0, 5296.0, 5593.0, 5470.0, 5355.0, 5626.0, 5293.0, 5554.0, 5453.0, 5498.0, 5357.0, 5717.0, 5262.0, 5359.0, 5364.0, 5385.0, 5310.0, 5700.0, 5311.0, 5557.0, 5580.0, 5720.0, 5556.0, 5361.0, 5345.0, 5688.0, 5549.0, 5569.0, 5499.0, 5483.0, 5326.0, 5349.0, 5386.0, 5507.0, 5263.0, 5468.0, 5562.0, 5642.0, 5506.0, 5410.0, 5320.0, 5548.0, 5619.0, 5426.0, 5705.0, 5251.0, 5711.0, 5282.0, 5581.0, 5384.0, 5476.0, 5510.0, 5600.0, 5485.0, 5508.0, 5435.0, 5577.0, 5578.0, 5610.0, 5651.0, 5265.0, 5446.0, 5675.0, 5318.0, 5586.0, 5641.0, 5288.0, 5695.0, 5694.0, 5486.0, 5519.0, 5298.0, 5390.0, 5606.0, 5653.0, 5399.0, 5472.0, 5637.0, 5609.0, 5603.0, 5674.0, 5691.0, 5645.0, 5275.0, 5354.0, 5444.0, 5523.0 (number of hits: 5)
8	5260	9	1	333	1	5443.0, 5256.0, 5409.0, 5682.0, 5510.0, 5707.0, 5513.0, 5445.0, 5495.0, 5592.0, 5631.0, 5614.0, 5494.0, 5413.0, 5552.0, 5607.0, 5352.0, 5322.0, 5334.0, 5591.0, 5288.0, 5512.0, 5704.0, 5362.0, 5493.0, 5605.0, 5414.0, 5449.0, 5420.0, 5480.0, 5282.0, 5609.0, 5430.0, 5429.0, 5462.0, 5386.0, 5308.0, 5517.0, 5314.0, 5533.0, 5550.0, 5298.0, 5530.0, 5415.0, 5398.0, 5633.0, 5384.0, 5446.0, 5644.0, 5257.0, 5287.0, 5361.0, 5691.0, 5619.0, 5452.0, 5652.0, 5574.0, 5421.0, 5692.0, 5360.0, 5541.0, 5690.0, 5531.0, 5268.0, 5506.0, 5301.0, 5472.0, 5485.0, 5722.0, 5723.0, 5255.0, 5679.0, 5475.0, 5554.0, 5419.0, 5450.0, 5557.0, 5278.0, 5370.0, 5262.0, 5667.0, 5325.0, 5380.0, 5266.0, 5391.0, 5477.0, 5611.0, 5520.0, 5678.0, 5698.0, 5714.0, 5397.0, 5628.0, 5671.0, 5369.0, 5320.0, 5655.0, 5532.0, 5358.0, 5577.0 (number of hits: 6)
9	5260	9	1	333	1	5594.0, 5548.0, 5596.0, 5507.0, 5635.0, 5280.0, 5675.0, 5344.0, 5300.0, 5251.0, 5326.0, 5557.0, 5478.0, 5387.0, 5371.0, 5389.0, 5664.0, 5323.0, 5701.0, 5261.0,

						5425.0, 5642.0, 5334.0, 5274.0, 5461.0, 5569.0, 5584.0, 5699.0, 5592.0, 5353.0, 5565.0, 5706.0, 5443.0, 5342.0, 5412.0, 5524.0, 5297.0, 5485.0, 5535.0, 5418.0, 5290.0, 5321.0, 5658.0, 5295.0, 5640.0, 5343.0, 5428.0, 5434.0, 5441.0, 5340.0, 5335.0, 5494.0, 5474.0, 5620.0, 5424.0, 5607.0, 5390.0, 5250.0, 5264.0, 5564.0, 5351.0, 5465.0, 5316.0, 5562.0, 5383.0, 5679.0, 5333.0, 5458.0, 5626.0, 5492.0, 5388.0, 5479.0, 5373.0, 5568.0, 5462.0, 5545.0, 5647.0, 5536.0, 5310.0, 5639.0, 5420.0, 5618.0, 5547.0, 5459.0, 5556.0, 5623.0, 5385.0, 5518.0, 5362.0, 5615.0, 5700.0, 5301.0, 5628.0, 5464.0, 5646.0, 5470.0, 5278.0, 5637.0, 5636.0, 5665.0 (number of hits: 4)
10	5260	9	1	333	1	5383.0, 5690.0, 5389.0, 5702.0, 5502.0, 5619.0, 5557.0, 5602.0, 5543.0, 5493.0, 5657.0, 5475.0, 5397.0, 5531.0, 5488.0, 5547.0, 5612.0, 5385.0, 5536.0, 5459.0, 5293.0, 5371.0, 5624.0, 5699.0, 5630.0, 5677.0, 5317.0, 5626.0, 5374.0, 5528.0, 5496.0, 5506.0, 5448.0, 5326.0, 5518.0, 5643.0, 5554.0, 5714.0, 5282.0, 5403.0, 5432.0, 5266.0, 5591.0, 5431.0, 5587.0, 5580.0, 5650.0, 5463.0, 5480.0, 5454.0, 5655.0, 5577.0, 5305.0, 5637.0, 5519.0, 5393.0, 5347.0, 5318.0, 5544.0, 5346.0, 5708.0, 5724.0, 5447.0, 5545.0, 5558.0, 5605.0, 5526.0, 5538.0, 5382.0, 5285.0, 5324.0, 5671.0, 5311.0, 5615.0, 5574.0, 5590.0, 5300.0, 5717.0, 5391.0, 5360.0, 5272.0, 5401.0, 5486.0, 5396.0, 5578.0, 5712.0, 5373.0, 5485.0, 5720.0, 5537.0, 5379.0, 5523.0, 5289.0, 5608.0, 5514.0, 5303.0, 5618.0, 5711.0, 5330.0, 5636.0 (number of hits: 1)
11	5260	9	1	333	1	5457.0, 5587.0, 5620.0, 5514.0, 5258.0, 5638.0, 5540.0, 5640.0, 5637.0, 5464.0, 5590.0, 5477.0, 5562.0, 5701.0, 5561.0, 5670.0, 5646.0, 5582.0, 5552.0, 5473.0, 5395.0, 5706.0, 5363.0, 5687.0, 5274.0, 5700.0, 5385.0, 5382.0, 5355.0, 5674.0, 5605.0, 5571.0, 5636.0, 5527.0, 5594.0, 5294.0, 5619.0, 5539.0, 5459.0, 5522.0, 5666.0, 5399.0, 5345.0, 5463.0, 5285.0, 5265.0, 5383.0, 5592.0, 5270.0, 5288.0, 5671.0, 5549.0, 5287.0, 5581.0, 5682.0, 5679.0, 5388.0, 5423.0, 5716.0, 5478.0, 5609.0, 5611.0, 5599.0, 5332.0, 5319.0, 5262.0, 5615.0, 5544.0, 5532.0, 5344.0, 5312.0, 5286.0, 5268.0, 5694.0, 5622.0, 5372.0, 5692.0, 5695.0, 5490.0, 5485.0, 5680.0, 5432.0, 5523.0, 5257.0, 5709.0, 5386.0, 5400.0, 5648.0, 5398.0, 5380.0, 5631.0, 5501.0, 5375.0, 5272.0, 5689.0, 5250.0, 5515.0, 5720.0, 5606.0, 5558.0 (number of hits: 6)

12	5260	9	1	333	1	5481.0, 5457.0, 5413.0, 5453.0, 5598.0, 5621.0, 5576.0, 5647.0, 5658.0, 5268.0, 5464.0, 5488.0, 5272.0, 5356.0, 5414.0, 5690.0, 5442.0, 5463.0, 5640.0, 5394.0, 5655.0, 5476.0, 5410.0, 5429.0, 5609.0, 5318.0, 5704.0, 5474.0, 5628.0, 5649.0, 5465.0, 5417.0, 5558.0, 5703.0, 5396.0, 5555.0, 5506.0, 5549.0, 5431.0, 5484.0, 5629.0, 5313.0, 5398.0, 5353.0, 5618.0, 5347.0, 5288.0, 5717.0, 5341.0, 5668.0, 5279.0, 5332.0, 5376.0, 5374.0, 5492.0, 5400.0, 5283.0, 5559.0, 5274.0, 5653.0, 5496.0, 5328.0, 5515.0, 5510.0, 5402.0, 5276.0, 5287.0, 5325.0, 5645.0, 5362.0, 5462.0, 5406.0, 5593.0, 5260.0, 5509.0, 5253.0, 5705.0, 5614.0, 5407.0, 5298.0, 5545.0, 5334.0, 5469.0, 5387.0, 5712.0, 5698.0, 5724.0, 5582.0, 5403.0, 5345.0, 5536.0, 5284.0, 5352.0, 5350.0, 5565.0, 5624.0, 5610.0, 5329.0, 5580.0, 5677.0 (number of hits: 3)
13	5260	9	1	333	1	5713.0, 5425.0, 5693.0, 5259.0, 5391.0, 5563.0, 5631.0, 5379.0, 5280.0, 5605.0, 5515.0, 5448.0, 5353.0, 5699.0, 5684.0, 5499.0, 5470.0, 5532.0, 5388.0, 5369.0, 5418.0, 5723.0, 5324.0, 5621.0, 5687.0, 5395.0, 5688.0, 5381.0, 5717.0, 5655.0, 5385.0, 5635.0, 5451.0, 5547.0, 5257.0, 5591.0, 5265.0, 5339.0, 5290.0, 5703.0, 5377.0, 5574.0, 5309.0, 5500.0, 5435.0, 5527.0, 5647.0, 5712.0, 5285.0, 5340.0, 5393.0, 5658.0, 5263.0, 5657.0, 5363.0, 5420.0, 5572.0, 5374.0, 5256.0, 5677.0, 5667.0, 5335.0, 5604.0, 5468.0, 5691.0, 5644.0, 5509.0, 5710.0, 5427.0, 5274.0, 5529.0, 5640.0, 5387.0, 5596.0, 5366.0, 5362.0, 5255.0, 5455.0, 5610.0, 5439.0, 5720.0, 5382.0, 5508.0, 5681.0, 5438.0, 5531.0, 5370.0, 5450.0, 5671.0, 5289.0, 5510.0, 5484.0, 5639.0, 5268.0, 5367.0, 5586.0, 5636.0, 5583.0, 5453.0, 5649.0 (number of hits: 7)
14	5260	9	1	333	1	5317.0, 5310.0, 5340.0, 5335.0, 5520.0, 5306.0, 5680.0, 5371.0, 5555.0, 5655.0, 5481.0, 5355.0, 5257.0, 5424.0, 5300.0, 5474.0, 5698.0, 5714.0, 5469.0, 5561.0, 5410.0, 5432.0, 5618.0, 5666.0, 5549.0, 5558.0, 5616.0, 5291.0, 5440.0, 5677.0, 5544.0, 5578.0, 5588.0, 5392.0, 5333.0, 5368.0, 5488.0, 5632.0, 5273.0, 5625.0, 5519.0, 5438.0, 5263.0, 5348.0, 5456.0, 5606.0, 5645.0, 5649.0, 5332.0, 5525.0, 5621.0, 5553.0, 5268.0, 5290.0, 5459.0, 5640.0, 5689.0, 5478.0, 5673.0, 5486.0, 5264.0, 5697.0, 5428.0, 5722.0, 5522.0, 5513.0, 5703.0, 5496.0, 5504.0, 5541.0, 5657.0, 5570.0, 5576.0, 5253.0, 5269.0, 5417.0, 5400.0, 5597.0, 5441.0, 5489.0, 5538.0, 5686.0, 5361.0, 5350.0, 5567.0,

						5594.0, 5529.0, 5321.0, 5512.0, 5593.0, 5312.0, 5457.0, 5311.0, 5551.0, 5647.0, 5320.0, 5473.0, 5476.0, 5304.0, 5490.0 (number of hits: 6)
15	5260	9	1	333	1	5625.0, 5490.0, 5337.0, 5476.0, 5496.0, 5495.0, 5613.0, 5324.0, 5264.0, 5441.0, 5397.0, 5621.0, 5554.0, 5494.0, 5662.0, 5470.0, 5653.0, 5472.0, 5533.0, 5396.0, 5696.0, 5512.0, 5260.0, 5446.0, 5458.0, 5703.0, 5716.0, 5643.0, 5548.0, 5344.0, 5622.0, 5357.0, 5420.0, 5382.0, 5360.0, 5606.0, 5414.0, 5321.0, 5345.0, 5354.0, 5463.0, 5713.0, 5656.0, 5405.0, 5453.0, 5617.0, 5711.0, 5506.0, 5567.0, 5649.0, 5675.0, 5681.0, 5659.0, 5282.0, 5563.0, 5280.0, 5454.0, 5450.0, 5646.0, 5355.0, 5698.0, 5579.0, 5398.0, 5633.0, 5408.0, 5352.0, 5333.0, 5558.0, 5383.0, 5489.0, 5447.0, 5618.0, 5510.0, 5343.0, 5549.0, 5389.0, 5614.0, 5660.0, 5309.0, 5366.0, 5502.0, 5255.0, 5365.0, 5253.0, 5291.0, 5624.0, 5425.0, 5317.0, 5456.0, 5284.0, 5651.0, 5362.0, 5361.0, 5612.0, 5594.0, 5514.0, 5412.0, 5663.0, 5694.0, 5542.0 (number of hits: 4)
16	5260	9	1	333	1	5337.0, 5657.0, 5255.0, 5596.0, 5612.0, 5718.0, 5427.0, 5613.0, 5441.0, 5320.0, 5269.0, 5689.0, 5339.0, 5669.0, 5366.0, 5637.0, 5365.0, 5704.0, 5344.0, 5724.0, 5684.0, 5711.0, 5448.0, 5656.0, 5312.0, 5708.0, 5457.0, 5527.0, 5665.0, 5340.0, 5459.0, 5405.0, 5482.0, 5616.0, 5573.0, 5334.0, 5352.0, 5602.0, 5520.0, 5526.0, 5667.0, 5480.0, 5451.0, 5531.0, 5551.0, 5607.0, 5599.0, 5387.0, 5440.0, 5554.0, 5367.0, 5490.0, 5570.0, 5309.0, 5620.0, 5281.0, 5518.0, 5297.0, 5293.0, 5284.0, 5373.0, 5267.0, 5644.0, 5369.0, 5671.0, 5467.0, 5356.0, 5370.0, 5361.0, 5673.0, 5470.0, 5509.0, 5302.0, 5250.0, 5393.0, 5557.0, 5410.0, 5587.0, 5276.0, 5316.0, 5560.0, 5326.0, 5660.0, 5517.0, 5325.0, 5403.0, 5401.0, 5406.0, 5693.0, 5512.0, 5413.0, 5648.0, 5694.0, 5608.0, 5358.0, 5586.0, 5666.0, 5565.0, 5389.0, 5674.0 (number of hits: 4)
17	5260	9	1	333	1	5371.0, 5297.0, 5670.0, 5581.0, 5421.0, 5323.0, 5622.0, 5254.0, 5324.0, 5503.0, 5352.0, 5281.0, 5259.0, 5318.0, 5542.0, 5663.0, 5710.0, 5430.0, 5610.0, 5424.0, 5387.0, 5617.0, 5356.0, 5613.0, 5614.0, 5498.0, 5500.0, 5675.0, 5558.0, 5526.0, 5314.0, 5491.0, 5665.0, 5719.0, 5538.0, 5331.0, 5523.0, 5723.0, 5446.0, 5660.0, 5609.0, 5402.0, 5541.0, 5393.0, 5420.0, 5705.0, 5326.0, 5390.0, 5255.0, 5407.0, 5533.0, 5262.0, 5512.0, 5373.0, 5686.0, 5655.0, 5476.0, 5380.0, 5384.0, 5473.0, 5667.0, 5257.0, 5531.0, 5560.0, 5270.0,

						5457.0, 5628.0, 5513.0, 5439.0, 5474.0, 5462.0, 5253.0, 5477.0, 5592.0, 5626.0, 5415.0, 5681.0, 5354.0, 5578.0, 5437.0, 5293.0, 5673.0, 5497.0, 5480.0, 5458.0, 5644.0, 5496.0, 5494.0, 5370.0, 5399.0, 5301.0, 5587.0, 5509.0, 5308.0, 5508.0, 5662.0, 5283.0, 5669.0, 5520.0, 5275.0 (number of hits: 6)
18	5260	9	1	333	1	5601.0, 5272.0, 5603.0, 5401.0, 5485.0, 5257.0, 5606.0, 5274.0, 5653.0, 5458.0, 5620.0, 5563.0, 5686.0, 5369.0, 5630.0, 5616.0, 5443.0, 5709.0, 5530.0, 5692.0, 5434.0, 5494.0, 5534.0, 5254.0, 5505.0, 5675.0, 5406.0, 5283.0, 5476.0, 5523.0, 5303.0, 5558.0, 5718.0, 5712.0, 5366.0, 5542.0, 5358.0, 5418.0, 5684.0, 5720.0, 5258.0, 5297.0, 5462.0, 5481.0, 5345.0, 5527.0, 5362.0, 5395.0, 5387.0, 5668.0, 5698.0, 5543.0, 5430.0, 5591.0, 5697.0, 5374.0, 5317.0, 5276.0, 5694.0, 5650.0, 5612.0, 5660.0, 5278.0, 5471.0, 5576.0, 5569.0, 5326.0, 5463.0, 5465.0, 5618.0, 5715.0, 5647.0, 5469.0, 5531.0, 5357.0, 5445.0, 5676.0, 5550.0, 5488.0, 5641.0, 5452.0, 5253.0, 5509.0, 5373.0, 5547.0, 5361.0, 5282.0, 5414.0, 5316.0, 5286.0, 5422.0, 5546.0, 5482.0, 5351.0, 5605.0, 5333.0, 5671.0, 5446.0, 5372.0, 5384.0 (number of hits: 4)
19	5260	9	1	333	1	5384.0, 5592.0, 5286.0, 5722.0, 5568.0, 5271.0, 5613.0, 5290.0, 5324.0, 5394.0, 5333.0, 5529.0, 5588.0, 5341.0, 5675.0, 5278.0, 5365.0, 5660.0, 5382.0, 5404.0, 5508.0, 5299.0, 5377.0, 5709.0, 5428.0, 5446.0, 5448.0, 5378.0, 5616.0, 5499.0, 5326.0, 5710.0, 5695.0, 5346.0, 5583.0, 5267.0, 5457.0, 5487.0, 5458.0, 5673.0, 5634.0, 5337.0, 5250.0, 5567.0, 5302.0, 5368.0, 5540.0, 5354.0, 5711.0, 5581.0, 5586.0, 5600.0, 5452.0, 5700.0, 5523.0, 5293.0, 5437.0, 5719.0, 5720.0, 5694.0, 5633.0, 5604.0, 5611.0, 5654.0, 5275.0, 5464.0, 5311.0, 5427.0, 5566.0, 5465.0, 5259.0, 5664.0, 5359.0, 5572.0, 5256.0, 5578.0, 5565.0, 5553.0, 5651.0, 5652.0, 5459.0, 5349.0, 5277.0, 5687.0, 5560.0, 5367.0, 5438.0, 5325.0, 5486.0, 5671.0, 5361.0, 5329.0, 5496.0, 5685.0, 5667.0, 5624.0, 5425.0, 5376.0, 5625.0, 5474.0 (number of hits: 4)
20	5260	9	1	333	1	5660.0, 5456.0, 5576.0, 5620.0, 5448.0, 5522.0, 5615.0, 5706.0, 5346.0, 5502.0, 5347.0, 5705.0, 5279.0, 5259.0, 5552.0, 5313.0, 5590.0, 5261.0, 5420.0, 5549.0, 5659.0, 5334.0, 5633.0, 5646.0, 5496.0, 5685.0, 5445.0, 5378.0, 5475.0, 5275.0, 5539.0, 5263.0, 5469.0, 5323.0, 5716.0, 5419.0, 5424.0, 5366.0, 5471.0, 5520.0, 5515.0, 5526.0, 5418.0, 5653.0, 5501.0,

						5599.0, 5341.0, 5269.0, 5687.0, 5684.0, 5453.0, 5321.0, 5270.0, 5329.0, 5267.0, 5491.0, 5467.0, 5591.0, 5365.0, 5505.0, 5690.0, 5679.0, 5670.0, 5519.0, 5415.0, 5650.0, 5286.0, 5459.0, 5370.0, 5712.0, 5504.0, 5578.0, 5317.0, 5443.0, 5339.0, 5704.0, 5396.0, 5282.0, 5328.0, 5343.0, 5718.0, 5583.0, 5623.0, 5299.0, 5644.0, 5251.0, 5358.0, 5709.0, 5561.0, 5667.0, 5280.0, 5429.0, 5283.0, 5465.0, 5681.0, 5672.0, 5363.0, 5643.0, 5554.0, 5658.0 (number of hits: 6)
21	5260	9	1	333	1	5473.0, 5662.0, 5282.0, 5399.0, 5503.0, 5460.0, 5601.0, 5418.0, 5631.0, 5628.0, 5299.0, 5521.0, 5265.0, 5256.0, 5360.0, 5678.0, 5344.0, 5689.0, 5627.0, 5271.0, 5296.0, 5363.0, 5699.0, 5321.0, 5508.0, 5697.0, 5260.0, 5437.0, 5311.0, 5307.0, 5674.0, 5565.0, 5318.0, 5280.0, 5548.0, 5655.0, 5614.0, 5510.0, 5272.0, 5534.0, 5292.0, 5526.0, 5397.0, 5621.0, 5652.0, 5557.0, 5291.0, 5389.0, 5383.0, 5501.0, 5304.0, 5303.0, 5703.0, 5333.0, 5585.0, 5505.0, 5667.0, 5598.0, 5308.0, 5275.0, 5644.0, 5693.0, 5255.0, 5632.0, 5513.0, 5630.0, 5381.0, 5529.0, 5500.0, 5467.0, 5269.0, 5411.0, 5550.0, 5682.0, 5542.0, 5301.0, 5435.0, 5267.0, 5490.0, 5293.0, 5372.0, 5319.0, 5706.0, 5670.0, 5257.0, 5459.0, 5559.0, 5287.0, 5531.0, 5358.0, 5713.0, 5470.0, 5368.0, 5672.0, 5338.0, 5671.0, 5596.0, 5484.0, 5589.0, 5581.0 (number of hits: 7)
22	5260	9	1	333	1	5254.0, 5269.0, 5581.0, 5495.0, 5714.0, 5409.0, 5255.0, 5467.0, 5535.0, 5423.0, 5374.0, 5405.0, 5541.0, 5428.0, 5250.0, 5645.0, 5259.0, 5271.0, 5298.0, 5506.0, 5508.0, 5628.0, 5549.0, 5560.0, 5598.0, 5472.0, 5274.0, 5272.0, 5615.0, 5691.0, 5530.0, 5511.0, 5411.0, 5556.0, 5671.0, 5262.0, 5474.0, 5562.0, 5270.0, 5529.0, 5500.0, 5522.0, 5416.0, 5622.0, 5324.0, 5586.0, 5388.0, 5610.0, 5528.0, 5685.0, 5401.0, 5312.0, 5552.0, 5654.0, 5265.0, 5608.0, 5278.0, 5447.0, 5457.0, 5311.0, 5469.0, 5463.0, 5306.0, 5322.0, 5305.0, 5402.0, 5636.0, 5613.0, 5330.0, 5287.0, 5684.0, 5605.0, 5641.0, 5524.0, 5290.0, 5676.0, 5682.0, 5589.0, 5711.0, 5706.0, 5509.0, 5299.0, 5644.0, 5710.0, 5370.0, 5336.0, 5650.0, 5351.0, 5525.0, 5724.0, 5386.0, 5564.0, 5690.0, 5435.0, 5394.0, 5371.0, 5308.0, 5668.0, 5559.0, 5652.0 (number of hits: 7)
23	5260	9	1	333	1	5609.0, 5343.0, 5525.0, 5257.0, 5344.0, 5461.0, 5314.0, 5566.0, 5635.0, 5262.0, 5667.0, 5612.0, 5646.0, 5535.0, 5544.0, 5486.0, 5662.0, 5664.0, 5350.0, 5369.0, 5340.0, 5317.0, 5500.0, 5710.0, 5374.0,

						5301.0, 5709.0, 5536.0, 5289.0, 5401.0, 5654.0, 5586.0, 5497.0, 5665.0, 5629.0, 5492.0, 5483.0, 5593.0, 5676.0, 5608.0, 5600.0, 5393.0, 5395.0, 5291.0, 5452.0, 5318.0, 5574.0, 5679.0, 5427.0, 5405.0, 5384.0, 5509.0, 5650.0, 5561.0, 5433.0, 5387.0, 5295.0, 5479.0, 5699.0, 5582.0, 5595.0, 5562.0, 5378.0, 5296.0, 5418.0, 5634.0, 5382.0, 5310.0, 5437.0, 5571.0, 5462.0, 5448.0, 5266.0, 5640.0, 5375.0, 5513.0, 5306.0, 5519.0, 5695.0, 5687.0, 5258.0, 5456.0, 5283.0, 5541.0, 5305.0, 5388.0, 5644.0, 5358.0, 5337.0, 5658.0, 5526.0, 5392.0, 5284.0, 5564.0, 5669.0, 5686.0, 5680.0, 5292.0, 5356.0, 5454.0 (number of hits: 4)
24	5260	9	1	333	1	5594.0, 5677.0, 5721.0, 5426.0, 5499.0, 5389.0, 5627.0, 5675.0, 5279.0, 5531.0, 5291.0, 5392.0, 5339.0, 5463.0, 5718.0, 5590.0, 5388.0, 5583.0, 5596.0, 5286.0, 5453.0, 5581.0, 5364.0, 5489.0, 5566.0, 5613.0, 5332.0, 5689.0, 5418.0, 5449.0, 5654.0, 5716.0, 5285.0, 5518.0, 5312.0, 5440.0, 5407.0, 5393.0, 5425.0, 5355.0, 5450.0, 5636.0, 5662.0, 5457.0, 5616.0, 5387.0, 5380.0, 5492.0, 5483.0, 5695.0, 5562.0, 5427.0, 5283.0, 5329.0, 5314.0, 5634.0, 5298.0, 5611.0, 5496.0, 5643.0, 5303.0, 5617.0, 5469.0, 5623.0, 5528.0, 5414.0, 5686.0, 5506.0, 5468.0, 5574.0, 5475.0, 5433.0, 5455.0, 5255.0, 5342.0, 5323.0, 5625.0, 5369.0, 5713.0, 5471.0, 5353.0, 5470.0, 5567.0, 5258.0, 5299.0, 5618.0, 5289.0, 5352.0, 5582.0, 5487.0, 5472.0, 5462.0, 5548.0, 5344.0, 5408.0, 5719.0, 5653.0, 5516.0, 5300.0, 5397.0 (number of hits: 2)
25	5260	9	1	333	1	5477.0, 5630.0, 5675.0, 5399.0, 5721.0, 5423.0, 5700.0, 5280.0, 5274.0, 5379.0, 5276.0, 5442.0, 5499.0, 5261.0, 5636.0, 5574.0, 5561.0, 5626.0, 5512.0, 5361.0, 5435.0, 5713.0, 5269.0, 5607.0, 5627.0, 5673.0, 5352.0, 5480.0, 5409.0, 5711.0, 5663.0, 5305.0, 5318.0, 5558.0, 5583.0, 5588.0, 5593.0, 5439.0, 5389.0, 5344.0, 5346.0, 5639.0, 5598.0, 5600.0, 5605.0, 5677.0, 5473.0, 5377.0, 5646.0, 5548.0, 5585.0, 5647.0, 5387.0, 5689.0, 5427.0, 5661.0, 5306.0, 5393.0, 5259.0, 5718.0, 5357.0, 5461.0, 5708.0, 5285.0, 5468.0, 5278.0, 5376.0, 5494.0, 5527.0, 5453.0, 5279.0, 5487.0, 5365.0, 5665.0, 5413.0, 5595.0, 5652.0, 5581.0, 5458.0, 5341.0, 5553.0, 5320.0, 5252.0, 5723.0, 5469.0, 5596.0, 5299.0, 5660.0, 5460.0, 5304.0, 5465.0, 5327.0, 5692.0, 5678.0, 5702.0, 5313.0, 5354.0, 5504.0, 5378.0, 5641.0 (number of hits: 4)
26	5260	9	1	333	1	5583.0, 5704.0, 5450.0, 5403.0, 5522.0,

						5473.0, 5481.0, 5626.0, 5407.0, 5508.0, 5367.0, 5529.0, 5568.0, 5497.0, 5362.0, 5599.0, 5596.0, 5514.0, 5356.0, 5417.0, 5551.0, 5677.0, 5291.0, 5301.0, 5709.0, 5555.0, 5657.0, 5679.0, 5395.0, 5517.0, 5597.0, 5683.0, 5252.0, 5350.0, 5499.0, 5513.0, 5687.0, 5392.0, 5611.0, 5344.0, 5613.0, 5712.0, 5308.0, 5364.0, 5524.0, 5640.0, 5572.0, 5329.0, 5588.0, 5713.0, 5459.0, 5686.0, 5502.0, 5312.0, 5409.0, 5602.0, 5519.0, 5468.0, 5258.0, 5265.0, 5669.0, 5705.0, 5624.0, 5401.0, 5470.0, 5500.0, 5567.0, 5300.0, 5703.0, 5340.0, 5448.0, 5685.0, 5453.0, 5607.0, 5598.0, 5261.0, 5439.0, 5314.0, 5456.0, 5306.0, 5552.0, 5460.0, 5535.0, 5317.0, 5648.0, 5415.0, 5255.0, 5280.0, 5325.0, 5414.0, 5270.0, 5471.0, 5701.0, 5630.0, 5612.0, 5530.0, 5501.0, 5444.0, 5663.0, 5625.0 (number of hits: 5)
27	5260	9	1	333	1	5650.0, 5378.0, 5644.0, 5479.0, 5453.0, 5472.0, 5651.0, 5560.0, 5354.0, 5670.0, 5364.0, 5546.0, 5457.0, 5284.0, 5429.0, 5447.0, 5541.0, 5294.0, 5276.0, 5667.0, 5695.0, 5665.0, 5619.0, 5626.0, 5523.0, 5519.0, 5530.0, 5504.0, 5558.0, 5304.0, 5455.0, 5506.0, 5538.0, 5448.0, 5581.0, 5715.0, 5536.0, 5548.0, 5649.0, 5674.0, 5263.0, 5635.0, 5595.0, 5708.0, 5361.0, 5398.0, 5359.0, 5394.0, 5473.0, 5559.0, 5631.0, 5332.0, 5350.0, 5492.0, 5487.0, 5279.0, 5390.0, 5320.0, 5628.0, 5414.0, 5356.0, 5501.0, 5515.0, 5463.0, 5564.0, 5623.0, 5607.0, 5464.0, 5254.0, 5527.0, 5562.0, 5264.0, 5517.0, 5678.0, 5563.0, 5620.0, 5339.0, 5477.0, 5570.0, 5690.0, 5686.0, 5599.0, 5645.0, 5555.0, 5370.0, 5286.0, 5676.0, 5724.0, 5531.0, 5704.0, 5461.0, 5580.0, 5591.0, 5561.0, 5543.0, 5387.0, 5532.0, 5462.0, 5401.0, 5330.0 (number of hits: 3)
28	5260	9	1	333	1	5625.0, 5441.0, 5436.0, 5645.0, 5693.0, 5300.0, 5412.0, 5445.0, 5661.0, 5398.0, 5415.0, 5299.0, 5493.0, 5622.0, 5686.0, 5550.0, 5681.0, 5351.0, 5578.0, 5289.0, 5346.0, 5448.0, 5478.0, 5380.0, 5354.0, 5438.0, 5399.0, 5598.0, 5557.0, 5333.0, 5666.0, 5408.0, 5439.0, 5643.0, 5257.0, 5404.0, 5409.0, 5252.0, 5261.0, 5335.0, 5676.0, 5484.0, 5383.0, 5653.0, 5637.0, 5623.0, 5544.0, 5611.0, 5689.0, 5492.0, 5521.0, 5343.0, 5685.0, 5430.0, 5302.0, 5444.0, 5496.0, 5470.0, 5435.0, 5256.0, 5342.0, 5285.0, 5567.0, 5318.0, 5461.0, 5316.0, 5509.0, 5471.0, 5595.0, 5652.0, 5559.0, 5317.0, 5626.0, 5251.0, 5250.0, 5331.0, 5290.0, 5426.0, 5533.0, 5662.0, 5280.0, 5456.0, 5525.0, 5636.0, 5705.0, 5659.0, 5527.0, 5523.0, 5455.0, 5357.0,

						5553.0, 5423.0, 5640.0, 5601.0, 5512.0, 5258.0, 5378.0, 5387.0, 5283.0, 5424.0 (number of hits: 7)
29	5260	9	1	333	1	5418.0, 5540.0, 5494.0, 5266.0, 5298.0, 5363.0, 5256.0, 5722.0, 5528.0, 5522.0, 5627.0, 5652.0, 5694.0, 5712.0, 5400.0, 5690.0, 5500.0, 5351.0, 5470.0, 5427.0, 5334.0, 5484.0, 5596.0, 5272.0, 5591.0, 5261.0, 5682.0, 5428.0, 5544.0, 5371.0, 5667.0, 5657.0, 5606.0, 5382.0, 5636.0, 5623.0, 5423.0, 5451.0, 5537.0, 5386.0, 5358.0, 5617.0, 5655.0, 5483.0, 5472.0, 5441.0, 5719.0, 5638.0, 5566.0, 5306.0, 5417.0, 5276.0, 5445.0, 5439.0, 5349.0, 5384.0, 5438.0, 5286.0, 5700.0, 5721.0, 5626.0, 5579.0, 5648.0, 5297.0, 5290.0, 5608.0, 5368.0, 5420.0, 5619.0, 5646.0, 5387.0, 5443.0, 5407.0, 5435.0, 5715.0, 5616.0, 5582.0, 5594.0, 5706.0, 5341.0, 5527.0, 5466.0, 5571.0, 5526.0, 5251.0, 5310.0, 5709.0, 5355.0, 5517.0, 5612.0, 5303.0, 5614.0, 5416.0, 5446.0, 5288.0, 5360.0, 5350.0, 5555.0, 5632.0, 5563.0 (number of hits: 4)
30	5260	9	1	333	1	5700.0, 5515.0, 5333.0, 5514.0, 5295.0, 5647.0, 5557.0, 5447.0, 5417.0, 5287.0, 5458.0, 5450.0, 5321.0, 5446.0, 5423.0, 5513.0, 5329.0, 5470.0, 5474.0, 5473.0, 5457.0, 5312.0, 5292.0, 5286.0, 5683.0, 5344.0, 5623.0, 5391.0, 5278.0, 5720.0, 5584.0, 5539.0, 5252.0, 5502.0, 5254.0, 5676.0, 5453.0, 5618.0, 5609.0, 5494.0, 5551.0, 5722.0, 5632.0, 5356.0, 5649.0, 5591.0, 5380.0, 5710.0, 5315.0, 5427.0, 5541.0, 5701.0, 5653.0, 5276.0, 5460.0, 5257.0, 5308.0, 5698.0, 5445.0, 5691.0, 5673.0, 5396.0, 5660.0, 5327.0, 5564.0, 5619.0, 5616.0, 5642.0, 5441.0, 5397.0, 5340.0, 5679.0, 5405.0, 5467.0, 5483.0, 5499.0, 5489.0, 5596.0, 5586.0, 5322.0, 5620.0, 5671.0, 5535.0, 5694.0, 5431.0, 5432.0, 5334.0, 5377.0, 5389.0, 5696.0, 5492.0, 5695.0, 5372.0, 5338.0, 5486.0, 5428.0, 5656.0, 5563.0, 5663.0, 5390.0 (number of hits: 3)

5270 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	93.33 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5270 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	74	1	718	1
2	5270	57	1	938	1
3	5270	95	1	558	1
4	5270	72	1	738	1
5	5270	62	1	858	1
6	5250	70	1	758	1
7	5250	102	1	518	1
8	5250	78	1	678	1
9	5250	86	1	618	1
10	5290	89	1	598	1
11	5290	65	1	818	1
12	5290	76	1	698	1
13	5290	92	1	578	1
14	5290	83	1	638	1
15	5290	59	1	898	1
16	5270	76	1	695	1
17	5270	24	1	2207	1
18	5270	62	1	856	1
19	5270	28	1	1894	1
20	5270	25	1	2122	1
21	5250	32	1	1699	1
22	5250	18	1	3031	1
23	5250	26	1	2036	1
24	5250	22	1	2450	1
25	5290	67	1	795	1
26	5290	41	1	1305	1
27	5290	25	1	2154	1
28	5290	37	1	1428	1
29	5290	43	1	1239	1
30	5290	19	1	2880	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	26	4.7	167	1
2	5270	29	1.7	195	1
3	5270	28	3.7	171	1
4	5270	26	4	229	1
5	5270	26	1.4	216	1
6	5270	29	3.8	154	1
7	5270	27	2.2	202	1
8	5270	25	4.9	207	1
9	5270	29	2.3	173	1
10	5270	29	1.5	199	1
11	5250	26	1.6	228	1
12	5250	24	2.5	160	1
13	5250	26	4.3	200	0
14	5250	26	5	189	1
15	5250	25	1.3	157	0
16	5250	26	1.4	152	1
17	5250	23	4.7	199	1
18	5250	24	2.5	188	1
19	5250	28	1.6	194	1
20	5250	26	4.6	158	1
21	5290	24	3.9	203	1
22	5290	25	3.4	169	1
23	5290	25	3.7	151	1
24	5290	26	4	187	1
25	5290	28	3.6	173	1
26	5290	24	5	150	1
27	5290	24	3.8	164	1
28	5290	27	1	204	1
29	5290	23	2.6	188	1
30	5290	28	3.9	168	1
Detection Percentage: 93.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	18	8	493	1
2	5270	17	8.1	472	1
3	5270	16	6.2	422	1
4	5270	17	8.8	333	1
5	5270	16	7	430	1
6	5270	16	8.5	294	1
7	5270	16	9	367	1
8	5270	18	9.3	451	1
9	5270	18	8.3	499	1
10	5270	16	6	420	1
11	5250	16	8.5	411	1
12	5250	18	9.8	381	1
13	5250	17	7.4	488	
14	5250	18	9.8	312	1
15	5250	17	6	429	1
16	5250	17	6.4	290	
17	5250	16	8.7	358	1
18	5250	18	6	479	1
19	5250	18	7.6	226	1
20	5250	17	6.6	276	1
21	5290	16	7.6	379	1
22	5290	17	7.7	345	1
23	5290	18	8.6	500	1
24	5290	18	9	433	1
25	5290	18	8.3	335	1
26	5290	17	6.9	398	1
27	5290	18	8.1	327	1
28	5290	16	8.1	498	1
29	5290	18	8	219	1
30	5290	17	8.1	305	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	5270	14	12.8	405	1
2	5270	12	12.7	337	1
3	5270	14	17.3	336	1
4	5270	12	17.1	230	1
5	5270	16	16.4	496	1
6	5270	12	15.7	204	1
7	5270	13	16.4	438	1
8	5270	13	13.7	267	1
9	5270	12	19	243	1
10	5270	12	19.2	487	1
11	5250	12	15.8	241	1
12	5250	13	16.3	350	1
13	5250	13	11.4	444	1
14	5250	12	17.8	265	1
15	5250	12	19	287	1
16	5250	16	14.7	384	1
17	5250	16	15.5	401	1
18	5250	14	17.7	372	1
19	5250	14	15.7	280	0
20	5250	16	18.9	290	1
21	5290	12	16.2	357	1
22	5290	16	11.8	432	1
23	5290	12	12.6	236	1
24	5290	14	16.1	227	0
25	5290	12	14.9	498	1
26	5290	16	11.2	346	1
27	5290	12	20	287	0
28	5290	12	17.9	444	0
29	5290	15	14	219	1
30	5290	13	13.8	326	1
Detection Percentage: 86.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5270	1
2	5270	1
3	5270	1
4	5270	1
5	5270	1
6	5270	1
7	5270	1
8	5270	1
9	5270	1
10	5270	1
11	5257.2	1
12	5255.2	1
13	5254.8	1
14	5255.2	1
15	5252.8	1
16	5255.2	1
17	5255.6	1
18	5257.2	1
19	5252.0	1
20	5254.8	1
21	5283.6	1
22	5286.4	1
23	5283.2	1
24	5282.8	1
25	5287.6	1
26	5283.6	1
27	5284.8	1
28	5286.0	1
29	5285.6	1
30	5287.2	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	1	14	88			0.215042	
1	1	14	56.7			1.442923	
2	2	14	63.6	1263		1.930511	
3	3	14	64.1	1525	1427	2.557031	
4	1	14	78.3			3.548768	
5	2	14	67	1240		4.03653	
6	1	14	50			5.583365	
7	1	14	88.1			6.396314	1
8	3	14	99.2	1952	1796	6.879173	
9	3	14	78.9	1986	1162	7.254571	
10	3	14	54.6	1546	1383	8.477541	
11	2	14	87.7	1460		9.062659	
12	1	14	90.1			9.806952	
13	2	14	67	1076		10.669772	
14	3	14	61.4	1684	1329	11.574442	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	82	1955	1577	0.445657	
1	2	11	79	1757		1.239289	
2	3	11	54.3	1063	1620	1.823926	
3	3	11	62.7	1093	1951	2.212022	
4	2	11	74.5	1656		2.828489	
5	2	11	51.8	1113		3.178483	
6	1	11	67			4.230303	
7	2	11	85.8	1177		4.788187	
8	3	11	51.4	1807	1370	5.597517	
9	3	11	94.2	1621	1459	5.775359	1
10	3	11	98	1924	1284	6.329286	
11	2	11	53.5	1431		7.411537	
12	3	11	53.5	1591	1468	7.723303	
13	2	11	66.9	1500		8.492556	
14	2	11	59.9	1995		8.919782	
15	3	11	68	1648	1671	10.072706	
16	2	11	82.3	1401		10.614852	
17	2	11	55.8	1300		11.355201	
18	1	11	81.2			11.507125	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	61.5	1365	1190	0.646818	
1	2	14	57.3	1926		1.69693	
2	3	14	65.9	1770	1054	3.242407	
3	2	14	75.4	1143		3.76612	
4	3	14	80.6	1290	1443	5.221781	
5	2	14	59.7	1791		6.070712	1
6	3	14	95.5	1113	1225	7.134247	
7	3	14	95.7	1954	1713	8.050668	
8	2	14	87.1	1186		8.803032	
9	3	14	82.5	1554	1455	10.037338	
10	2	14	86.1	1797		11.365035	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	95.1	1262	1720	1.241671	
1	3	7	63.1	1246	1475	2.363543	
2	1	7	100			3.126163	
3	1	7	63.4			4.785118	1
4	2	7	59.7	1536		6.33193	
5	2	7	75.6	1722		7.983907	
6	2	7	61.3	1338		9.555861	
7	2	7	84.7	1767		11.158726	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	63	1273	1969	0.167592	
1	2	14	55.4	1351		0.98012	
2	1	14	65.8			2.205805	
3	1	14	51.4			2.952935	
4	1	14	91.9			3.352445	
5	2	14	69.2	1074		4.306488	
6	1	14	86.1			5.04098	
7	2	14	90.8	1816		5.858956	
8	2	14	66	1696		6.265652	1
9	1	14	64.2			6.998351	
10	3	14	88.1	1057	1432	8.060567	
11	2	14	96.2	1802		8.308184	
12	2	14	78.5	1863		9.634054	
13	2	14	80	1918		10.296296	
14	2	14	59.5	1719		10.505367	
15	2	14	61	1757		11.667411	

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	73.7	1901		0.180838	
1	1	12	67.9			2.048048	
2	2	12	91.6	1566		3.898452	
3	2	12	87.8	1637		4.47655	
4	3	12	98.5	1880	1881	5.945025	1
5	1	12	71.9			7.515128	
6	2	12	81.9	1794		8.734046	
7	3	12	67.6	1354	1447	10.63758	
8	1	12	54.3			11.573949	

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	51	1232		0.457801	
1	1	11	71.8			1.503089	
2	1	11	70.3			2.624996	
3	1	11	63.3			3.935629	
4	2	11	62.7	1063		4.871297	1
5	2	11	66.1	1189		6.387653	
6	2	11	60.6	1145		8.309822	
7	2	11	93.9	1137		8.835787	
8	1	11	95.8			10.721959	
9	2	11	86.9	1009		10.879803	

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	12	73.2	1451		0.454258	
1	2	12	54.7	1492		1.334112	
2	2	12	87.9	1182		2.064142	
3	3	12	89.7	1351	1487	2.171708	
4	2	12	73.1	1269		2.94069	
5	1	12	95			3.881754	
6	3	12	63.3	1024	1682	4.808334	
7	3	12	67.5	1115	1854	4.992401	
8	3	12	97.2	1820	1505	6.051514	1
9	2	12	99.1	1858		6.879079	
10	2	12	60.4	1099		7.664048	
11	2	12	72.7	1322		7.971972	
12	2	12	58.2	1238		8.635855	
13	2	12	53.6	1827		9.761728	
14	3	12	55.6	1713	1030	10.272079	
15	2	12	56.3	1749		10.682328	
16	3	12	50.3	1162	1786	11.614419	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	51.9	1896		0.62548	
1	2	6	74.6	1518		1.232013	
2	2	6	51.7	1592		1.685189	
3	2	6	53.1	1349		2.95548	
4	3	6	73.6	1914	1665	3.737186	
5	1	6	72.8			4.479136	
6	2	6	91.2	1023		5.391553	
7	2	6	86.3	1572		5.835561	1
8	2	6	69.5	1192		7.121698	
9	1	6	95.2			7.863351	
10	1	6	59.7			8.620382	
11	2	6	50.2	1372		8.969925	
12	2	6	68.6	1402		9.67645	
13	3	6	67.6	1471	1502	11.15182	
14	2	6	51.6	1920		11.439311	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	78.7			0.887181	
1	1	6	57.8			2.051103	
2	1	6	92.5			3.075255	
3	3	6	86.5	1824	1649	5.381567	1
4	1	6	55.3			6.265252	
5	2	6	90.1	1263		8.68438	
6	2	6	84.7	1158		10.002195	
7	1	6	65.1			11.665875	

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	18	77.2			0.856491	
1	2	18	67.8	1787		1.746039	
2	2	18	52.2	1070		2.308706	
3	3	18	66	1623	1196	3.296691	
4	3	18	59.6	1226	1995	4.002068	
5	2	18	63.7	1533		5.529058	1
6	2	18	55.2	1373		6.233929	
7	2	18	51.4	1029		7.143704	
8	2	18	71.5	1456		8.855158	
9	2	18	54.3	1910		9.550855	
10	1	18	67.1			10.075049	
11	1	18	94.6			11.059816	

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	81.3	1550		0.359269	
1	2	13	96.3	1344		1.041223	
2	2	13	64.8	1460		1.297863	
3	2	13	91	1903		1.997688	
4	1	13	68.6			3.079291	
5	1	13	99.1			3.556848	
6	2	13	94.2	1977		3.854326	
7	1	13	51.7			4.750287	
8	1	13	91.4			5.227282	
9	1	13	69.4			6.220874	1
10	1	13	81.7			6.733449	
11	3	13	68.4	1972	1387	7.489401	
12	2	13	70	1107		8.083487	
13	1	13	60.5			8.346037	
14	1	13	75			9.185571	
15	1	13	98.9			9.93257	
16	3	13	88	1755	1254	10.62683	
17	2	13	77.3	1675		10.872663	
18	2	13	98.9	1969		11.838071	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	51.7			0.051293	
1	2	12	74	1960		1.986354	
2	3	12	59.9	1350	1184	3.734967	
3	3	12	97.6	1606	1450	5.662978	
4	1	12	71.7			6.916125	1
5	3	12	81.2	1004	1058	8.556568	
6	3	12	52.2	1822	1897	9.600793	
7	3	12	89.1	1439	1524	11.521413	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	89.8	1805		0.812256	
1	1	13	82.9			2.367395	
2	2	13	90.7	1977		3.725149	
3	1	13	70.8			5.02199	
4	3	13	96.8	1748	1432	5.358466	0
5	2	13	69.6	1191		7.599807	
6	2	13	89.4	1485		8.824456	
7	2	13	61.6	1896		9.543519	
8	1	13	72.8			11.927337	

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	50.3	1287		0.793122	
1	1	7	66.1			1.361626	
2	2	7	99.5	1438		3.47728	
3	2	7	91.6	1895		4.977561	
4	3	7	82.5	1279	1054	6.582074	1
5	1	7	95.5			7.362112	
6	2	7	97.9	1365		8.754061	
7	2	7	87.8	1372		9.834419	
8	1	7	93.5			11.574857	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	67.3	1673	1497	0.595099	
1	2	13	71	1325		1.186198	
2	3	13	89.5	1310	1232	1.604676	
3	3	13	80.4	1827	1751	2.099214	
4	2	13	66	1917		2.912052	
5	2	13	64.7	1203		3.901019	
6	1	13	98.8			4.326273	
7	1	13	86.1			4.95575	
8	2	13	73.6	1155		5.983791	
9	2	13	84.5	1458		6.08344	1
10	1	13	80.4			7.248709	
11	3	13	68.6	1105	1881	7.504689	
12	3	13	51.3	1490	1513	8.232539	
13	3	13	87.9	1029	1215	9.081177	
14	2	13	89.8	1384		9.713229	
15	2	13	85.4	1250		10.403523	
16	2	13	73.8	1768		10.667254	
17	2	13	81.1	1954		11.75853	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	65			0.762279	
1	2	14	95.1	1672		1.84361	
2	3	14	76.4	1282	1459	3.020191	
3	3	14	52.8	1803	1456	4.479627	
4	2	14	98	1222		5.426862	0
5	3	14	66.4	1859	1497	6.229482	
6	3	14	58.5	1416	1423	8.03588	
7	3	14	70.3	1641	1287	8.733049	
8	3	14	90.6	1665	1022	9.749375	
9	3	14	90.1	1914	1711	11.398977	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	94.2	1255		0.172277	
1	2	18	55.6	1678		0.656324	
2	3	18	65.1	1991	1354	1.53503	
3	2	18	91.5	1310		2.233129	
4	2	18	92.6	1713		2.635471	
5	3	18	81.7	1784	1848	3.262625	
6	2	18	70.4	1971		4.121614	
7	1	18	64.6			5.02204	
8	2	18	76.7	1209		5.139175	
9	2	18	68.6	1142		5.982217	1
10	2	18	58.5	1993		6.594366	
11	1	18	92.8			7.571899	
12	3	18	92.8	1619	1158	8.039048	
13	1	18	67.8			8.575785	
14	1	18	97.9			9.192006	
15	1	18	99.7			9.487845	
16	1	18	72.4			10.344941	
17	1	18	72.8			11.031748	
18	1	18	84.3			11.768266	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	77.4	1293		1.365059	
1	3	5	84.2	1656	1877	1.826866	
2	2	5	67.5	1665		3.63347	
3	2	5	79.4	1923		5.650477	
4	2	5	63.8	1974		6.346748	1
5	1	5	86.4			8.497197	
6	2	5	97.6	1429		10.446713	
7	1	5	97.9			10.955234	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	73.4	1293		0.728857	
1	2	12	82.3	1141		2.385705	
2	2	12	90.6	1084		3.141637	
3	2	12	84.6	1613		4.496804	
4	3	12	82.5	1051	1513	6.659184	1
5	3	12	97.6	1376	1154	7.9342	
6	3	12	92.3	1926	1467	8.920691	
7	2	12	73.2	1888		10.107957	
8	2	12	65.6	1813		11.900981	

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	16	72.7			0.93797	
1	2	16	64.3	1367		1.555964	
2	2	16	82.6	1935		3.153906	
3	2	16	71.7	1328		4.981747	
4	2	16	83.2	1355		6.358646	1
5	1	16	50.4			6.991737	
6	2	16	55.2	1797		9.178444	
7	1	16	63.2			9.992176	
8	2	16	55.3	1413		10.755918	

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	66.2	1820		0.591608	
1	3	9	98.9	1902	1484	0.697873	
2	1	9	85.1			1.520691	
3	1	9	59.1			2.58065	
4	3	9	74.7	1229	1869	3.243672	
5	3	9	88.3	1695	1630	3.836591	
6	2	9	82.6	1375		4.070127	
7	3	9	78.2	1330	1416	5.139062	
8	2	9	73.9	1747		5.661086	
9	1	9	91.3			6.250265	1
10	2	9	95.6	1042		6.952473	
11	2	9	95.8	1194		7.661315	
12	2	9	91.3	1746		8.092517	
13	2	9	74.3	1743		8.928725	
14	3	9	54.7	1618	1928	9.791371	
15	3	9	63	1197	1215	10.214338	
16	2	9	88.1	1763		10.874184	
17	2	9	54.6	1739		11.621197	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	81.5			0.900773	
1	1	17	64.5			1.346609	
2	1	17	97.3			2.179211	
3	3	17	61.4	1446	1111	3.700001	
4	2	17	65.9	1025		4.486992	
5	2	17	53	1757		5.918642	
6	3	17	54	1261	1171	6.450621	1
7	2	17	78.6	1725		7.486837	
8	1	17	74			8.5492	
9	2	17	51.9	1404		9.881857	
10	2	17	62	1164		10.672025	
11	2	17	52.7	1472		11.637081	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	89.7			0.529099	
1	2	18	69.3	1623		0.9653	
2	1	18	89			1.981868	
3	3	18	94.8	1020	1391	2.478416	
4	3	18	61.5	1582	1764	3.505867	
5	2	18	83.2	1338		4.567731	
6	1	18	59.5			5.365944	
7	2	18	53	1369		6.280559	1
8	2	18	78.1	1490		6.560685	
9	1	18	65.2			7.26657	
10	2	18	90.6	1049		8.259144	
11	2	18	94.5	1725		8.999786	
12	1	18	84.7			10.05826	
13	1	18	96.2			10.457599	
14	2	18	77.7	1350		11.820933	

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	6	92.5	1878	1172	0.208809	
1	2	6	91.3	1181		1.152564	
2	2	6	91.5	1849		1.864624	
3	2	6	84.9	1236		2.144579	
4	1	6	78.1			2.782075	
5	2	6	57.3	1276		3.745186	
6	2	6	97.9	1053		4.438915	
7	2	6	76.9	1727		4.754748	
8	2	6	75.7	1369		5.701158	1
9	3	6	66.3	1874	1438	6.069018	
10	1	6	83.3			6.935195	
11	2	6	93.8	1026		7.669763	
12	3	6	93	1834	1908	8.150546	
13	2	6	79.1	1157		9.321755	
14	2	6	65.5	1568		9.771954	
15	3	6	67.6	1519	1945	10.387465	
16	2	6	83.2	1534		10.988751	
17	3	6	88	1952	1427	11.421436	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	55.4			0.534284	
1	3	16	96.3	1064	1558	1.801779	
2	2	16	74.5	1527		2.400959	
3	3	16	70.4	1953	1319	3.975321	
4	2	16	78.1	1637		4.536387	
5	2	16	80.4	1025		5.928726	
6	2	16	92.5	1069		6.302179	1
7	2	16	53	1147		7.154763	
8	3	16	88.7	1509	1062	8.627309	
9	2	16	70.4	1010		9.434069	
10	2	16	69	1115		10.590277	
11	3	16	85.6	1733	1469	11.125912	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	91.6	1598		0.580746	
1	3	13	58.5	1604	1695	2.107408	
2	2	13	70.8	1285		2.282979	
3	3	13	78.3	1833	1353	3.361853	
4	2	13	52.3	1889		4.54092	
5	2	13	85	1016		6.056042	0
6	1	13	58			6.709015	
7	1	13	52.8			8.448901	
8	1	13	62.9			8.754195	
9	2	13	100	1325		10.505232	
10	3	13	68.9	1020	1642	11.771601	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	79.5	1209		0.009248	
1	2	10	51.5	1076		2.450278	
2	1	10	90.1			3.786722	
3	1	10	79.8			5.129154	
4	1	10	87.5			6.528949	1
5	1	10	69.4			6.973133	
6	2	10	86.7	1952		8.584135	
7	2	10	97.7	1962		10.403435	
8	1	10	54			10.668352	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	80.6			0.338365	
1	2	11	94.8	1320		1.786899	
2	1	11	82.3			2.058294	
3	1	11	97.5			3.342508	
4	2	11	60.8	1887		4.122568	
5	2	11	92.5	1741		5.446739	
6	1	11	62.3			6.037857	1
7	2	11	58.9	1546		6.676271	
8	2	11	52.8	1067		7.639803	
9	1	11	90.1			8.829927	
10	1	11	59.9			9.348987	
11	3	11	66.6	1125	1662	10.518893	
12	2	11	94.5	1908		11.77718	

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	7	71.4	1986	1316	0.385625	
1	2	7	51.1	1239		1.234151	
2	2	7	85.3	1941		1.984067	
3	2	7	71	1597		2.591771	
4	1	7	85.6			3.058062	
5	2	7	51.2	1752		3.966312	
6	3	7	94.5	1547	1782	4.355161	
7	3	7	95.3	1749	1281	5.155341	
8	1	7	66.7			5.762073	
9	3	7	67.8	1161	1843	6.176094	1
10	2	7	73.7	1420		6.979416	
11	2	7	98.2	1812		7.541507	
12	2	7	83.7	1409		8.554749	
13	2	7	98.1	1756		9.063279	
14	2	7	62.1	1012		9.436599	
15	1	7	64.7			10.429613	
16	1	7	60.8			11.29808	
17	3	7	84.2	1923	1152	11.353741	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5270	9	1	333	1	5272.0, 5608.0, 5575.0, 5399.0, 5596.0, 5613.0, 5686.0, 5381.0, 5383.0, 5717.0, 5314.0, 5590.0, 5292.0, 5416.0, 5326.0, 5677.0, 5274.0, 5347.0, 5372.0, 5630.0, 5280.0, 5271.0, 5387.0, 5390.0, 5345.0, 5683.0, 5585.0, 5564.0, 5587.0, 5637.0, 5510.0, 5541.0, 5275.0, 5581.0, 5557.0, 5434.0, 5337.0, 5269.0, 5675.0, 5560.0, 5563.0, 5718.0, 5638.0, 5652.0, 5316.0, 5511.0, 5369.0, 5705.0, 5448.0, 5566.0, 5572.0, 5435.0, 5282.0, 5457.0, 5542.0, 5481.0, 5253.0, 5544.0, 5493.0, 5577.0, 5707.0, 5351.0, 5716.0, 5598.0, 5704.0, 5592.0, 5696.0, 5561.0, 5425.0, 5626.0, 5374.0, 5673.0, 5701.0, 5601.0, 5436.0, 5580.0, 5479.0, 5489.0, 5486.0, 5478.0, 5530.0, 5458.0, 5370.0, 5324.0, 5634.0, 5543.0, 5635.0, 5700.0, 5338.0, 5445.0, 5382.0, 5552.0, 5647.0, 5556.0, 5468.0, 5305.0, 5689.0, 5357.0, 5558.0, 5720.0 (number of hits: 8)
2	5270	9	1	333	1	5377.0, 5570.0, 5626.0, 5466.0, 5585.0, 5721.0, 5521.0, 5528.0, 5322.0, 5338.0, 5388.0, 5270.0, 5476.0, 5649.0, 5414.0, 5640.0, 5353.0, 5408.0, 5724.0, 5573.0, 5618.0, 5404.0, 5420.0, 5450.0, 5694.0, 5568.0, 5261.0, 5497.0, 5523.0, 5380.0, 5661.0, 5619.0, 5253.0, 5547.0, 5362.0, 5615.0, 5625.0, 5511.0, 5484.0, 5508.0, 5283.0, 5256.0, 5280.0, 5644.0, 5347.0, 5411.0, 5704.0, 5670.0, 5258.0, 5664.0, 5659.0, 5402.0, 5598.0, 5445.0, 5686.0, 5442.0, 5616.0, 5424.0, 5295.0, 5718.0, 5401.0, 5274.0, 5304.0, 5680.0, 5254.0, 5701.0, 5634.0, 5566.0, 5684.0, 5520.0, 5635.0, 5703.0, 5681.0, 5604.0, 5674.0, 5427.0, 5467.0, 5655.0, 5614.0, 5509.0, 5455.0, 5419.0, 5399.0, 5639.0, 5590.0, 5620.0, 5499.0, 5317.0, 5459.0, 5505.0, 5588.0, 5452.0, 5349.0, 5441.0, 5342.0, 5397.0, 5296.0, 5531.0, 5300.0, 5610.0 (number of hits: 9)
3	5270	9	1	333	1	5496.0, 5502.0, 5270.0, 5475.0, 5455.0, 5330.0, 5318.0, 5343.0, 5589.0, 5360.0, 5533.0, 5588.0, 5688.0, 5398.0, 5642.0, 5632.0, 5582.0, 5544.0, 5351.0, 5332.0, 5284.0, 5711.0, 5523.0, 5386.0, 5583.0, 5461.0, 5607.0, 5385.0, 5264.0, 5436.0, 5619.0, 5566.0, 5521.0, 5401.0, 5618.0, 5551.0, 5445.0, 5471.0, 5374.0, 5353.0, 5663.0, 5464.0, 5395.0, 5462.0, 5702.0, 5427.0, 5715.0, 5591.0, 5640.0, 5686.0, 5534.0, 5609.0, 5404.0, 5641.0, 5355.0,

						5487.0, 5442.0, 5331.0, 5463.0, 5268.0, 5679.0, 5553.0, 5388.0, 5434.0, 5397.0, 5281.0, 5294.0, 5269.0, 5304.0, 5467.0, 5526.0, 5252.0, 5259.0, 5342.0, 5573.0, 5349.0, 5364.0, 5324.0, 5705.0, 5510.0, 5714.0, 5669.0, 5282.0, 5440.0, 5414.0, 5290.0, 5721.0, 5651.0, 5704.0, 5570.0, 5561.0, 5459.0, 5396.0, 5333.0, 5687.0, 5296.0, 5278.0, 5662.0, 5319.0, 5352.0 (number of hits: 10)
4	5270	9	1	333	1	5489.0, 5695.0, 5477.0, 5594.0, 5403.0, 5269.0, 5361.0, 5308.0, 5341.0, 5291.0, 5685.0, 5578.0, 5669.0, 5554.0, 5705.0, 5300.0, 5681.0, 5522.0, 5604.0, 5703.0, 5432.0, 5712.0, 5634.0, 5277.0, 5701.0, 5368.0, 5577.0, 5456.0, 5480.0, 5424.0, 5501.0, 5682.0, 5597.0, 5388.0, 5625.0, 5357.0, 5254.0, 5482.0, 5630.0, 5312.0, 5377.0, 5570.0, 5575.0, 5583.0, 5259.0, 5343.0, 5663.0, 5676.0, 5437.0, 5543.0, 5498.0, 5455.0, 5273.0, 5389.0, 5279.0, 5265.0, 5252.0, 5457.0, 5599.0, 5539.0, 5546.0, 5317.0, 5720.0, 5264.0, 5654.0, 5607.0, 5587.0, 5461.0, 5416.0, 5699.0, 5497.0, 5619.0, 5649.0, 5537.0, 5367.0, 5324.0, 5556.0, 5376.0, 5396.0, 5356.0, 5677.0, 5463.0, 5716.0, 5495.0, 5659.0, 5633.0, 5509.0, 5485.0, 5595.0, 5572.0, 5328.0, 5302.0, 5493.0, 5645.0, 5351.0, 5371.0, 5516.0, 5391.0, 5678.0, 5384.0 (number of hits: 9)
5	5270	9	1	333	1	5691.0, 5274.0, 5603.0, 5587.0, 5509.0, 5414.0, 5408.0, 5252.0, 5399.0, 5366.0, 5561.0, 5689.0, 5590.0, 5415.0, 5320.0, 5502.0, 5580.0, 5462.0, 5558.0, 5317.0, 5653.0, 5485.0, 5505.0, 5659.0, 5299.0, 5543.0, 5497.0, 5452.0, 5639.0, 5697.0, 5620.0, 5499.0, 5693.0, 5426.0, 5695.0, 5394.0, 5263.0, 5448.0, 5510.0, 5361.0, 5287.0, 5254.0, 5368.0, 5482.0, 5331.0, 5557.0, 5311.0, 5710.0, 5577.0, 5676.0, 5330.0, 5398.0, 5506.0, 5305.0, 5434.0, 5606.0, 5586.0, 5298.0, 5336.0, 5631.0, 5669.0, 5384.0, 5425.0, 5282.0, 5591.0, 5650.0, 5460.0, 5565.0, 5268.0, 5279.0, 5294.0, 5520.0, 5534.0, 5371.0, 5708.0, 5476.0, 5632.0, 5347.0, 5468.0, 5328.0, 5722.0, 5500.0, 5610.0, 5523.0, 5429.0, 5379.0, 5563.0, 5457.0, 5549.0, 5278.0, 5312.0, 5642.0, 5538.0, 5616.0, 5380.0, 5461.0, 5621.0, 5453.0, 5495.0, 5441.0 (number of hits: 9)
6	5270	9	1	333	1	5477.0, 5339.0, 5719.0, 5460.0, 5273.0, 5596.0, 5416.0, 5700.0, 5602.0, 5399.0, 5672.0, 5422.0, 5302.0, 5604.0, 5432.0, 5500.0, 5555.0, 5364.0, 5638.0, 5707.0, 5574.0, 5462.0, 5358.0, 5282.0, 5322.0, 5589.0, 5723.0, 5352.0, 5296.0, 5498.0, 5601.0, 5479.0, 5686.0, 5678.0, 5533.0,

						5651.0, 5465.0, 5314.0, 5537.0, 5713.0, 5681.0, 5716.0, 5637.0, 5385.0, 5474.0, 5475.0, 5611.0, 5311.0, 5674.0, 5265.0, 5526.0, 5349.0, 5646.0, 5643.0, 5582.0, 5557.0, 5266.0, 5579.0, 5337.0, 5277.0, 5250.0, 5457.0, 5396.0, 5694.0, 5516.0, 5517.0, 5398.0, 5541.0, 5608.0, 5427.0, 5387.0, 5401.0, 5552.0, 5504.0, 5288.0, 5683.0, 5283.0, 5497.0, 5363.0, 5595.0, 5253.0, 5677.0, 5586.0, 5669.0, 5689.0, 5281.0, 5310.0, 5446.0, 5485.0, 5412.0, 5298.0, 5484.0, 5606.0, 5341.0, 5560.0, 5569.0, 5590.0, 5426.0, 5417.0, 5386.0 (number of hits: 10)
7	5270	9	1	333	1	5644.0, 5438.0, 5366.0, 5300.0, 5683.0, 5292.0, 5265.0, 5378.0, 5374.0, 5420.0, 5351.0, 5287.0, 5443.0, 5405.0, 5627.0, 5379.0, 5446.0, 5406.0, 5553.0, 5493.0, 5626.0, 5498.0, 5716.0, 5517.0, 5679.0, 5380.0, 5509.0, 5375.0, 5289.0, 5515.0, 5541.0, 5690.0, 5473.0, 5570.0, 5445.0, 5654.0, 5529.0, 5398.0, 5642.0, 5632.0, 5430.0, 5339.0, 5394.0, 5367.0, 5567.0, 5624.0, 5460.0, 5383.0, 5697.0, 5499.0, 5365.0, 5386.0, 5358.0, 5341.0, 5713.0, 5605.0, 5500.0, 5631.0, 5475.0, 5505.0, 5364.0, 5387.0, 5540.0, 5257.0, 5603.0, 5357.0, 5270.0, 5403.0, 5646.0, 5491.0, 5440.0, 5508.0, 5655.0, 5596.0, 5611.0, 5562.0, 5350.0, 5355.0, 5585.0, 5299.0, 5409.0, 5539.0, 5525.0, 5534.0, 5261.0, 5384.0, 5512.0, 5288.0, 5575.0, 5324.0, 5647.0, 5616.0, 5385.0, 5312.0, 5424.0, 5310.0, 5490.0, 5426.0, 5703.0, 5256.0 (number of hits: 8)
8	5270	9	1	333	1	5376.0, 5722.0, 5478.0, 5419.0, 5401.0, 5313.0, 5643.0, 5668.0, 5518.0, 5477.0, 5414.0, 5300.0, 5588.0, 5561.0, 5298.0, 5357.0, 5542.0, 5693.0, 5625.0, 5474.0, 5551.0, 5480.0, 5495.0, 5586.0, 5671.0, 5554.0, 5408.0, 5311.0, 5611.0, 5624.0, 5476.0, 5506.0, 5661.0, 5352.0, 5682.0, 5339.0, 5336.0, 5590.0, 5391.0, 5492.0, 5424.0, 5387.0, 5636.0, 5677.0, 5286.0, 5647.0, 5553.0, 5440.0, 5548.0, 5546.0, 5397.0, 5599.0, 5436.0, 5694.0, 5531.0, 5417.0, 5724.0, 5270.0, 5475.0, 5565.0, 5273.0, 5494.0, 5695.0, 5251.0, 5585.0, 5598.0, 5576.0, 5658.0, 5514.0, 5575.0, 5415.0, 5429.0, 5291.0, 5308.0, 5566.0, 5425.0, 5370.0, 5619.0, 5530.0, 5465.0, 5579.0, 5486.0, 5471.0, 5253.0, 5356.0, 5354.0, 5505.0, 5578.0, 5259.0, 5431.0, 5412.0, 5698.0, 5437.0, 5511.0, 5496.0, 5395.0, 5458.0, 5706.0, 5366.0, 5310.0 (number of hits: 6)
9	5270	9	1	333	1	5270.0, 5475.0, 5323.0, 5558.0, 5337.0, 5316.0, 5338.0, 5274.0, 5490.0, 5544.0, 5412.0, 5602.0, 5707.0, 5256.0, 5675.0,

						5539.0, 5331.0, 5361.0, 5281.0, 5432.0, 5525.0, 5543.0, 5549.0, 5567.0, 5584.0, 5632.0, 5332.0, 5622.0, 5597.0, 5624.0, 5317.0, 5379.0, 5387.0, 5640.0, 5470.0, 5276.0, 5399.0, 5552.0, 5307.0, 5723.0, 5653.0, 5532.0, 5273.0, 5714.0, 5627.0, 5690.0, 5460.0, 5668.0, 5628.0, 5310.0, 5393.0, 5491.0, 5504.0, 5701.0, 5418.0, 5319.0, 5282.0, 5618.0, 5271.0, 5343.0, 5514.0, 5264.0, 5406.0, 5720.0, 5709.0, 5673.0, 5664.0, 5521.0, 5566.0, 5689.0, 5643.0, 5471.0, 5289.0, 5462.0, 5458.0, 5381.0, 5283.0, 5427.0, 5439.0, 5573.0, 5684.0, 5415.0, 5666.0, 5455.0, 5257.0, 5710.0, 5677.0, 5713.0, 5449.0, 5440.0, 5278.0, 5424.0, 5436.0, 5342.0, 5478.0, 5533.0, 5614.0, 5261.0, 5711.0, 5683.0 (number of hits: 14)
10	5270	9	1	333	1	5599.0, 5401.0, 5358.0, 5558.0, 5585.0, 5579.0, 5685.0, 5695.0, 5347.0, 5515.0, 5350.0, 5303.0, 5263.0, 5365.0, 5278.0, 5692.0, 5468.0, 5723.0, 5369.0, 5592.0, 5654.0, 5509.0, 5259.0, 5601.0, 5691.0, 5354.0, 5543.0, 5548.0, 5529.0, 5466.0, 5461.0, 5372.0, 5541.0, 5642.0, 5627.0, 5628.0, 5361.0, 5455.0, 5280.0, 5540.0, 5481.0, 5598.0, 5649.0, 5352.0, 5388.0, 5570.0, 5336.0, 5414.0, 5477.0, 5473.0, 5635.0, 5538.0, 5467.0, 5613.0, 5511.0, 5392.0, 5418.0, 5340.0, 5676.0, 5438.0, 5714.0, 5516.0, 5411.0, 5380.0, 5389.0, 5630.0, 5530.0, 5431.0, 5716.0, 5419.0, 5566.0, 5634.0, 5271.0, 5425.0, 5405.0, 5287.0, 5562.0, 5559.0, 5475.0, 5337.0, 5512.0, 5647.0, 5480.0, 5406.0, 5582.0, 5296.0, 5381.0, 5674.0, 5560.0, 5603.0, 5416.0, 5709.0, 5537.0, 5319.0, 5251.0, 5590.0, 5272.0, 5495.0, 5694.0, 5502.0 (number of hits: 8)
11	5250	9	1	333	1	5722.0, 5392.0, 5276.0, 5443.0, 5284.0, 5328.0, 5613.0, 5540.0, 5610.0, 5300.0, 5403.0, 5400.0, 5340.0, 5316.0, 5354.0, 5344.0, 5269.0, 5597.0, 5706.0, 5350.0, 5299.0, 5547.0, 5628.0, 5388.0, 5696.0, 5711.0, 5631.0, 5280.0, 5647.0, 5530.0, 5310.0, 5533.0, 5600.0, 5375.0, 5676.0, 5669.0, 5412.0, 5390.0, 5562.0, 5588.0, 5569.0, 5627.0, 5612.0, 5683.0, 5615.0, 5473.0, 5414.0, 5654.0, 5272.0, 5529.0, 5482.0, 5448.0, 5429.0, 5543.0, 5282.0, 5658.0, 5685.0, 5567.0, 5701.0, 5604.0, 5452.0, 5679.0, 5517.0, 5399.0, 5463.0, 5636.0, 5717.0, 5407.0, 5559.0, 5580.0, 5430.0, 5449.0, 5450.0, 5724.0, 5278.0, 5491.0, 5313.0, 5264.0, 5607.0, 5694.0, 5563.0, 5268.0, 5348.0, 5524.0, 5359.0, 5389.0, 5411.0, 5618.0, 5351.0, 5497.0, 5384.0, 5353.0, 5478.0, 5297.0, 5678.0, 5519.0, 5565.0, 5470.0, 5292.0, 5592.0

						(number of hits: 3)
12	5250	9	1	333	1	5696.0, 5491.0, 5259.0, 5521.0, 5462.0, 5698.0, 5357.0, 5558.0, 5689.0, 5288.0, 5359.0, 5393.0, 5348.0, 5618.0, 5550.0, 5453.0, 5376.0, 5643.0, 5451.0, 5530.0, 5533.0, 5589.0, 5700.0, 5268.0, 5304.0, 5334.0, 5250.0, 5317.0, 5379.0, 5578.0, 5398.0, 5446.0, 5551.0, 5637.0, 5655.0, 5280.0, 5295.0, 5402.0, 5594.0, 5344.0, 5615.0, 5457.0, 5346.0, 5656.0, 5611.0, 5324.0, 5678.0, 5418.0, 5429.0, 5498.0, 5683.0, 5573.0, 5543.0, 5269.0, 5369.0, 5274.0, 5684.0, 5277.0, 5528.0, 5286.0, 5489.0, 5313.0, 5289.0, 5493.0, 5433.0, 5613.0, 5600.0, 5366.0, 5391.0, 5685.0, 5623.0, 5654.0, 5290.0, 5367.0, 5396.0, 5264.0, 5505.0, 5342.0, 5569.0, 5364.0, 5680.0, 5409.0, 5571.0, 5283.0, 5502.0, 5539.0, 5556.0, 5469.0, 5373.0, 5413.0, 5617.0, 5648.0, 5384.0, 5294.0, 5300.0, 5496.0, 5481.0, 5422.0, 5426.0, 5712.0
						(number of hits: 5)
13	5250	9	1	333	1	5297.0, 5712.0, 5414.0, 5624.0, 5299.0, 5602.0, 5679.0, 5384.0, 5424.0, 5264.0, 5720.0, 5290.0, 5523.0, 5409.0, 5611.0, 5497.0, 5685.0, 5415.0, 5458.0, 5362.0, 5614.0, 5283.0, 5713.0, 5667.0, 5547.0, 5337.0, 5680.0, 5650.0, 5528.0, 5310.0, 5683.0, 5320.0, 5592.0, 5420.0, 5621.0, 5379.0, 5465.0, 5591.0, 5716.0, 5483.0, 5350.0, 5454.0, 5441.0, 5563.0, 5672.0, 5656.0, 5644.0, 5281.0, 5545.0, 5268.0, 5665.0, 5463.0, 5418.0, 5500.0, 5565.0, 5293.0, 5291.0, 5389.0, 5490.0, 5343.0, 5462.0, 5397.0, 5363.0, 5366.0, 5559.0, 5587.0, 5405.0, 5438.0, 5708.0, 5321.0, 5498.0, 5723.0, 5696.0, 5677.0, 5526.0, 5469.0, 5507.0, 5630.0, 5525.0, 5560.0, 5540.0, 5354.0, 5578.0, 5476.0, 5635.0, 5634.0, 5407.0, 5364.0, 5651.0, 5722.0, 5406.0, 5429.0, 5527.0, 5303.0, 5478.0, 5286.0, 5448.0, 5333.0, 5381.0, 5493.0
						(number of hits: 2)
14	5250	9	1	333	1	5290.0, 5275.0, 5603.0, 5673.0, 5353.0, 5686.0, 5358.0, 5600.0, 5518.0, 5619.0, 5457.0, 5497.0, 5714.0, 5582.0, 5301.0, 5494.0, 5478.0, 5327.0, 5392.0, 5489.0, 5559.0, 5532.0, 5342.0, 5631.0, 5291.0, 5361.0, 5480.0, 5552.0, 5550.0, 5382.0, 5355.0, 5330.0, 5304.0, 5606.0, 5307.0, 5585.0, 5450.0, 5604.0, 5704.0, 5536.0, 5669.0, 5615.0, 5535.0, 5261.0, 5501.0, 5313.0, 5394.0, 5674.0, 5485.0, 5389.0, 5315.0, 5505.0, 5311.0, 5483.0, 5702.0, 5319.0, 5697.0, 5611.0, 5256.0, 5622.0, 5539.0, 5695.0, 5258.0, 5456.0, 5534.0, 5654.0, 5441.0, 5561.0, 5516.0, 5345.0, 5416.0, 5616.0, 5711.0, 5599.0, 5387.0, 5621.0, 5507.0, 5601.0, 5652.0, 5460.0,

						5367.0, 5254.0, 5427.0, 5723.0, 5574.0, 5597.0, 5703.0, 5510.0, 5540.0, 5687.0, 5592.0, 5417.0, 5594.0, 5350.0, 5544.0, 5452.0, 5656.0, 5279.0, 5644.0, 5635.0 (number of hits: 4)
15	5250	9	1	333	1	5563.0, 5475.0, 5419.0, 5497.0, 5524.0, 5363.0, 5431.0, 5603.0, 5620.0, 5675.0, 5669.0, 5617.0, 5430.0, 5276.0, 5718.0, 5672.0, 5264.0, 5275.0, 5623.0, 5272.0, 5542.0, 5467.0, 5274.0, 5346.0, 5587.0, 5604.0, 5285.0, 5596.0, 5386.0, 5254.0, 5640.0, 5268.0, 5412.0, 5384.0, 5286.0, 5449.0, 5674.0, 5347.0, 5393.0, 5541.0, 5432.0, 5441.0, 5564.0, 5708.0, 5281.0, 5573.0, 5471.0, 5485.0, 5558.0, 5473.0, 5424.0, 5370.0, 5554.0, 5329.0, 5360.0, 5679.0, 5569.0, 5518.0, 5663.0, 5267.0, 5624.0, 5580.0, 5529.0, 5266.0, 5303.0, 5706.0, 5464.0, 5511.0, 5500.0, 5440.0, 5417.0, 5334.0, 5307.0, 5575.0, 5259.0, 5619.0, 5549.0, 5589.0, 5590.0, 5638.0, 5671.0, 5333.0, 5682.0, 5463.0, 5639.0, 5547.0, 5709.0, 5323.0, 5696.0, 5348.0, 5572.0, 5562.0, 5453.0, 5314.0, 5410.0, 5538.0, 5704.0, 5263.0, 5411.0, 5295.0 (number of hits: 7)
16	5250	9	1	333	1	5434.0, 5531.0, 5412.0, 5714.0, 5492.0, 5707.0, 5667.0, 5333.0, 5612.0, 5540.0, 5672.0, 5442.0, 5648.0, 5632.0, 5681.0, 5380.0, 5394.0, 5571.0, 5615.0, 5452.0, 5432.0, 5635.0, 5481.0, 5371.0, 5306.0, 5564.0, 5659.0, 5307.0, 5477.0, 5376.0, 5437.0, 5279.0, 5497.0, 5364.0, 5683.0, 5552.0, 5661.0, 5569.0, 5719.0, 5530.0, 5422.0, 5600.0, 5666.0, 5639.0, 5583.0, 5608.0, 5292.0, 5426.0, 5451.0, 5459.0, 5721.0, 5284.0, 5495.0, 5708.0, 5365.0, 5631.0, 5367.0, 5478.0, 5619.0, 5489.0, 5414.0, 5690.0, 5674.0, 5653.0, 5368.0, 5301.0, 5675.0, 5475.0, 5304.0, 5701.0, 5436.0, 5613.0, 5476.0, 5298.0, 5652.0, 5420.0, 5645.0, 5466.0, 5509.0, 5703.0, 5460.0, 5691.0, 5385.0, 5673.0, 5350.0, 5505.0, 5686.0, 5609.0, 5382.0, 5450.0, 5275.0, 5710.0, 5356.0, 5457.0, 5529.0, 5627.0, 5361.0, 5441.0, 5443.0, 5257.0 (number of hits: 1)
17	5250	9	1	333	1	5496.0, 5283.0, 5387.0, 5334.0, 5574.0, 5686.0, 5426.0, 5339.0, 5556.0, 5498.0, 5441.0, 5538.0, 5500.0, 5593.0, 5348.0, 5637.0, 5699.0, 5383.0, 5519.0, 5372.0, 5495.0, 5379.0, 5369.0, 5679.0, 5380.0, 5585.0, 5358.0, 5331.0, 5437.0, 5695.0, 5417.0, 5346.0, 5476.0, 5654.0, 5700.0, 5540.0, 5484.0, 5482.0, 5322.0, 5353.0, 5267.0, 5549.0, 5630.0, 5573.0, 5547.0, 5264.0, 5321.0, 5459.0, 5305.0, 5559.0, 5533.0, 5587.0, 5649.0, 5408.0, 5642.0, 5542.0, 5373.0, 5678.0, 5671.0, 5583.0,

						5676.0, 5525.0, 5607.0, 5722.0, 5260.0, 5578.0, 5463.0, 5411.0, 5641.0, 5297.0, 5487.0, 5720.0, 5440.0, 5418.0, 5477.0, 5419.0, 5363.0, 5394.0, 5613.0, 5472.0, 5479.0, 5445.0, 5255.0, 5401.0, 5531.0, 5473.0, 5594.0, 5631.0, 5648.0, 5499.0, 5438.0, 5455.0, 5586.0, 5518.0, 5666.0, 5480.0, 5296.0, 5355.0, 5266.0, 5502.0 (number of hits: 5)
18	5250	9	1	333	1	5461.0, 5328.0, 5290.0, 5252.0, 5692.0, 5573.0, 5646.0, 5499.0, 5343.0, 5588.0, 5436.0, 5642.0, 5476.0, 5688.0, 5375.0, 5527.0, 5633.0, 5453.0, 5458.0, 5447.0, 5526.0, 5450.0, 5399.0, 5650.0, 5334.0, 5261.0, 5320.0, 5498.0, 5593.0, 5629.0, 5335.0, 5595.0, 5654.0, 5433.0, 5655.0, 5486.0, 5264.0, 5353.0, 5346.0, 5639.0, 5270.0, 5412.0, 5695.0, 5395.0, 5557.0, 5676.0, 5561.0, 5415.0, 5673.0, 5607.0, 5331.0, 5709.0, 5367.0, 5424.0, 5513.0, 5301.0, 5314.0, 5622.0, 5315.0, 5254.0, 5266.0, 5484.0, 5349.0, 5306.0, 5298.0, 5388.0, 5522.0, 5398.0, 5393.0, 5653.0, 5405.0, 5449.0, 5434.0, 5647.0, 5517.0, 5624.0, 5682.0, 5531.0, 5619.0, 5258.0, 5559.0, 5259.0, 5411.0, 5564.0, 5592.0, 5548.0, 5601.0, 5502.0, 5558.0, 5530.0, 5618.0, 5403.0, 5364.0, 5322.0, 5541.0, 5378.0, 5382.0, 5386.0, 5628.0, 5612.0 (number of hits: 7)
19	5250	9	1	333	1	5297.0, 5720.0, 5259.0, 5413.0, 5642.0, 5588.0, 5705.0, 5708.0, 5653.0, 5621.0, 5719.0, 5394.0, 5268.0, 5339.0, 5257.0, 5377.0, 5354.0, 5663.0, 5265.0, 5713.0, 5506.0, 5462.0, 5512.0, 5694.0, 5604.0, 5370.0, 5471.0, 5476.0, 5278.0, 5335.0, 5340.0, 5464.0, 5564.0, 5638.0, 5635.0, 5419.0, 5587.0, 5325.0, 5258.0, 5698.0, 5668.0, 5327.0, 5321.0, 5624.0, 5456.0, 5404.0, 5484.0, 5443.0, 5361.0, 5520.0, 5372.0, 5316.0, 5301.0, 5432.0, 5539.0, 5524.0, 5575.0, 5416.0, 5515.0, 5467.0, 5672.0, 5643.0, 5666.0, 5355.0, 5605.0, 5675.0, 5412.0, 5294.0, 5380.0, 5358.0, 5640.0, 5582.0, 5533.0, 5393.0, 5644.0, 5314.0, 5552.0, 5369.0, 5482.0, 5352.0, 5655.0, 5453.0, 5691.0, 5447.0, 5529.0, 5676.0, 5544.0, 5601.0, 5273.0, 5366.0, 5707.0, 5683.0, 5378.0, 5425.0, 5548.0, 5553.0, 5338.0, 5554.0, 5585.0, 5545.0 (number of hits: 5)
20	5250	9	1	333	1	5463.0, 5523.0, 5507.0, 5611.0, 5329.0, 5527.0, 5695.0, 5700.0, 5438.0, 5557.0, 5315.0, 5606.0, 5539.0, 5712.0, 5401.0, 5404.0, 5434.0, 5324.0, 5284.0, 5610.0, 5500.0, 5547.0, 5363.0, 5645.0, 5330.0, 5427.0, 5602.0, 5574.0, 5626.0, 5637.0, 5352.0, 5375.0, 5643.0, 5269.0, 5295.0, 5414.0, 5672.0, 5316.0, 5362.0, 5675.0,

						5280.0, 5685.0, 5287.0, 5382.0, 5549.0, 5673.0, 5458.0, 5379.0, 5486.0, 5265.0, 5680.0, 5337.0, 5314.0, 5520.0, 5397.0, 5452.0, 5681.0, 5563.0, 5524.0, 5596.0, 5709.0, 5435.0, 5508.0, 5353.0, 5671.0, 5392.0, 5274.0, 5676.0, 5544.0, 5422.0, 5633.0, 5423.0, 5481.0, 5622.0, 5662.0, 5690.0, 5407.0, 5376.0, 5506.0, 5278.0, 5381.0, 5613.0, 5494.0, 5437.0, 5366.0, 5615.0, 5576.0, 5589.0, 5550.0, 5703.0, 5534.0, 5688.0, 5603.0, 5510.0, 5559.0, 5660.0, 5684.0, 5394.0, 5467.0, 5499.0 (number of hits: 2)
21	5290	9	1	333	1	5369.0, 5280.0, 5340.0, 5510.0, 5671.0, 5632.0, 5322.0, 5521.0, 5374.0, 5473.0, 5421.0, 5330.0, 5382.0, 5596.0, 5693.0, 5606.0, 5722.0, 5321.0, 5275.0, 5341.0, 5469.0, 5578.0, 5444.0, 5715.0, 5685.0, 5721.0, 5629.0, 5388.0, 5601.0, 5446.0, 5298.0, 5412.0, 5650.0, 5593.0, 5404.0, 5709.0, 5423.0, 5377.0, 5480.0, 5306.0, 5264.0, 5576.0, 5289.0, 5433.0, 5664.0, 5636.0, 5460.0, 5520.0, 5316.0, 5284.0, 5308.0, 5635.0, 5325.0, 5562.0, 5697.0, 5590.0, 5678.0, 5700.0, 5505.0, 5482.0, 5497.0, 5286.0, 5594.0, 5654.0, 5589.0, 5428.0, 5320.0, 5690.0, 5332.0, 5399.0, 5509.0, 5616.0, 5375.0, 5711.0, 5287.0, 5499.0, 5436.0, 5333.0, 5604.0, 5266.0, 5451.0, 5415.0, 5256.0, 5305.0, 5441.0, 5334.0, 5679.0, 5586.0, 5704.0, 5381.0, 5379.0, 5670.0, 5555.0, 5295.0, 5454.0, 5542.0, 5657.0, 5660.0, 5667.0, 5548.0 (number of hits: 11)
22	5290	9	1	333	1	5307.0, 5554.0, 5501.0, 5540.0, 5570.0, 5480.0, 5443.0, 5279.0, 5638.0, 5585.0, 5596.0, 5493.0, 5339.0, 5464.0, 5556.0, 5422.0, 5541.0, 5723.0, 5602.0, 5716.0, 5704.0, 5412.0, 5566.0, 5400.0, 5654.0, 5360.0, 5672.0, 5414.0, 5299.0, 5513.0, 5617.0, 5622.0, 5403.0, 5600.0, 5532.0, 5629.0, 5588.0, 5517.0, 5675.0, 5694.0, 5292.0, 5295.0, 5442.0, 5553.0, 5646.0, 5250.0, 5439.0, 5378.0, 5417.0, 5670.0, 5614.0, 5256.0, 5502.0, 5490.0, 5467.0, 5499.0, 5489.0, 5454.0, 5270.0, 5369.0, 5586.0, 5335.0, 5327.0, 5703.0, 5524.0, 5283.0, 5615.0, 5349.0, 5560.0, 5610.0, 5297.0, 5721.0, 5666.0, 5257.0, 5551.0, 5420.0, 5593.0, 5514.0, 5386.0, 5665.0, 5348.0, 5719.0, 5265.0, 5550.0, 5354.0, 5441.0, 5448.0, 5511.0, 5376.0, 5530.0, 5344.0, 5515.0, 5645.0, 5642.0, 5290.0, 5594.0, 5500.0, 5336.0, 5724.0, 5709.0 (number of hits: 9)
23	5290	9	1	333	1	5670.0, 5316.0, 5514.0, 5659.0, 5619.0, 5412.0, 5496.0, 5352.0, 5693.0, 5382.0, 5710.0, 5482.0, 5468.0, 5652.0, 5358.0, 5361.0, 5433.0, 5315.0, 5719.0, 5689.0,

						5405.0, 5656.0, 5469.0, 5499.0, 5574.0, 5288.0, 5669.0, 5494.0, 5258.0, 5446.0, 5687.0, 5715.0, 5286.0, 5522.0, 5504.0, 5686.0, 5443.0, 5645.0, 5273.0, 5567.0, 5633.0, 5281.0, 5413.0, 5672.0, 5664.0, 5424.0, 5475.0, 5610.0, 5653.0, 5624.0, 5261.0, 5400.0, 5324.0, 5707.0, 5720.0, 5399.0, 5458.0, 5657.0, 5380.0, 5677.0, 5685.0, 5483.0, 5411.0, 5694.0, 5346.0, 5557.0, 5699.0, 5565.0, 5280.0, 5570.0, 5277.0, 5555.0, 5441.0, 5649.0, 5559.0, 5384.0, 5564.0, 5655.0, 5558.0, 5303.0, 5615.0, 5354.0, 5355.0, 5676.0, 5434.0, 5431.0, 5709.0, 5462.0, 5605.0, 5377.0, 5455.0, 5644.0, 5547.0, 5654.0, 5422.0, 5426.0, 5561.0, 5542.0, 5563.0, 5708.0 (number of hits: 7)
24	5290	9	1	333	1	5297.0, 5606.0, 5569.0, 5449.0, 5413.0, 5473.0, 5288.0, 5293.0, 5702.0, 5310.0, 5519.0, 5469.0, 5680.0, 5602.0, 5312.0, 5319.0, 5479.0, 5531.0, 5611.0, 5618.0, 5338.0, 5558.0, 5682.0, 5268.0, 5605.0, 5665.0, 5308.0, 5526.0, 5678.0, 5576.0, 5582.0, 5257.0, 5316.0, 5274.0, 5300.0, 5279.0, 5260.0, 5330.0, 5711.0, 5706.0, 5670.0, 5441.0, 5547.0, 5546.0, 5597.0, 5496.0, 5615.0, 5478.0, 5571.0, 5512.0, 5409.0, 5380.0, 5369.0, 5669.0, 5493.0, 5553.0, 5705.0, 5360.0, 5683.0, 5575.0, 5700.0, 5609.0, 5647.0, 5366.0, 5370.0, 5359.0, 5344.0, 5562.0, 5261.0, 5317.0, 5373.0, 5612.0, 5451.0, 5336.0, 5616.0, 5303.0, 5656.0, 5315.0, 5573.0, 5314.0, 5326.0, 5364.0, 5432.0, 5485.0, 5592.0, 5337.0, 5648.0, 5295.0, 5294.0, 5622.0, 5301.0, 5494.0, 5500.0, 5470.0, 5585.0, 5323.0, 5495.0, 5577.0, 5377.0, 5376.0 (number of hits: 11)
25	5290	9	1	333	1	5450.0, 5471.0, 5606.0, 5416.0, 5627.0, 5501.0, 5548.0, 5360.0, 5298.0, 5297.0, 5251.0, 5583.0, 5263.0, 5628.0, 5411.0, 5346.0, 5342.0, 5594.0, 5598.0, 5455.0, 5299.0, 5513.0, 5314.0, 5525.0, 5511.0, 5573.0, 5332.0, 5530.0, 5419.0, 5718.0, 5585.0, 5492.0, 5458.0, 5413.0, 5509.0, 5569.0, 5281.0, 5708.0, 5348.0, 5559.0, 5543.0, 5578.0, 5253.0, 5417.0, 5693.0, 5477.0, 5311.0, 5560.0, 5539.0, 5590.0, 5430.0, 5571.0, 5307.0, 5474.0, 5512.0, 5681.0, 5604.0, 5711.0, 5437.0, 5460.0, 5380.0, 5398.0, 5523.0, 5678.0, 5395.0, 5619.0, 5649.0, 5491.0, 5362.0, 5275.0, 5270.0, 5352.0, 5339.0, 5671.0, 5264.0, 5266.0, 5549.0, 5273.0, 5285.0, 5503.0, 5447.0, 5565.0, 5709.0, 5522.0, 5335.0, 5374.0, 5302.0, 5712.0, 5685.0, 5385.0, 5349.0, 5658.0, 5357.0, 5707.0, 5366.0, 5720.0, 5721.0, 5722.0, 5642.0, 5478.0 (number of hits: 10)

26	5290	9	1	333	1	5633.0, 5422.0, 5553.0, 5317.0, 5514.0, 5622.0, 5718.0, 5433.0, 5509.0, 5296.0, 5416.0, 5263.0, 5334.0, 5293.0, 5590.0, 5721.0, 5486.0, 5601.0, 5548.0, 5535.0, 5407.0, 5465.0, 5551.0, 5693.0, 5653.0, 5578.0, 5441.0, 5383.0, 5647.0, 5695.0, 5366.0, 5305.0, 5515.0, 5674.0, 5426.0, 5576.0, 5469.0, 5448.0, 5636.0, 5363.0, 5689.0, 5690.0, 5395.0, 5319.0, 5698.0, 5401.0, 5461.0, 5306.0, 5541.0, 5402.0, 5683.0, 5643.0, 5303.0, 5264.0, 5316.0, 5664.0, 5529.0, 5451.0, 5286.0, 5462.0, 5626.0, 5345.0, 5712.0, 5380.0, 5315.0, 5356.0, 5723.0, 5260.0, 5656.0, 5439.0, 5523.0, 5373.0, 5506.0, 5382.0, 5603.0, 5348.0, 5476.0, 5538.0, 5375.0, 5659.0, 5344.0, 5688.0, 5544.0, 5719.0, 5707.0, 5454.0, 5342.0, 5275.0, 5644.0, 5616.0, 5565.0, 5405.0, 5587.0, 5284.0, 5473.0, 5628.0, 5411.0, 5331.0, 5318.0, 5566.0 (number of hits: 8)
27	5290	9	1	333	1	5567.0, 5603.0, 5657.0, 5635.0, 5302.0, 5591.0, 5401.0, 5526.0, 5352.0, 5405.0, 5547.0, 5601.0, 5333.0, 5502.0, 5531.0, 5466.0, 5298.0, 5602.0, 5673.0, 5312.0, 5326.0, 5667.0, 5660.0, 5722.0, 5292.0, 5599.0, 5435.0, 5487.0, 5328.0, 5614.0, 5417.0, 5259.0, 5477.0, 5669.0, 5310.0, 5617.0, 5311.0, 5505.0, 5493.0, 5273.0, 5271.0, 5622.0, 5578.0, 5383.0, 5275.0, 5506.0, 5441.0, 5644.0, 5677.0, 5272.0, 5479.0, 5408.0, 5453.0, 5443.0, 5646.0, 5523.0, 5330.0, 5695.0, 5606.0, 5434.0, 5545.0, 5534.0, 5600.0, 5495.0, 5418.0, 5497.0, 5636.0, 5327.0, 5256.0, 5508.0, 5439.0, 5554.0, 5367.0, 5300.0, 5354.0, 5654.0, 5257.0, 5509.0, 5597.0, 5314.0, 5282.0, 5377.0, 5313.0, 5679.0, 5370.0, 5364.0, 5700.0, 5513.0, 5353.0, 5392.0, 5517.0, 5698.0, 5585.0, 5428.0, 5438.0, 5281.0, 5544.0, 5397.0, 5478.0, 5696.0 (number of hits: 10)
28	5290	9	1	333	1	5662.0, 5290.0, 5278.0, 5562.0, 5547.0, 5315.0, 5673.0, 5570.0, 5376.0, 5658.0, 5578.0, 5395.0, 5554.0, 5637.0, 5457.0, 5404.0, 5602.0, 5271.0, 5378.0, 5491.0, 5497.0, 5312.0, 5453.0, 5641.0, 5379.0, 5500.0, 5514.0, 5530.0, 5552.0, 5567.0, 5353.0, 5531.0, 5582.0, 5549.0, 5259.0, 5574.0, 5613.0, 5429.0, 5316.0, 5587.0, 5306.0, 5298.0, 5283.0, 5615.0, 5517.0, 5496.0, 5611.0, 5564.0, 5446.0, 5412.0, 5681.0, 5313.0, 5320.0, 5331.0, 5310.0, 5654.0, 5623.0, 5584.0, 5665.0, 5292.0, 5507.0, 5504.0, 5606.0, 5405.0, 5720.0, 5588.0, 5528.0, 5599.0, 5685.0, 5632.0, 5508.0, 5627.0, 5650.0, 5380.0, 5423.0, 5408.0, 5651.0, 5407.0, 5369.0, 5652.0, 5373.0, 5399.0, 5670.0, 5515.0, 5302.0,

						5631.0, 5692.0, 5674.0, 5360.0, 5448.0, 5645.0, 5349.0, 5479.0, 5568.0, 5617.0, 5693.0, 5657.0, 5439.0, 5532.0, 5575.0 (number of hits: 8)
29	5290	9	1	333	1	5352.0, 5534.0, 5633.0, 5252.0, 5396.0, 5537.0, 5426.0, 5645.0, 5354.0, 5385.0, 5434.0, 5519.0, 5579.0, 5398.0, 5668.0, 5250.0, 5486.0, 5340.0, 5451.0, 5464.0, 5332.0, 5481.0, 5408.0, 5567.0, 5278.0, 5540.0, 5319.0, 5441.0, 5268.0, 5429.0, 5302.0, 5499.0, 5547.0, 5415.0, 5430.0, 5485.0, 5326.0, 5683.0, 5614.0, 5418.0, 5619.0, 5446.0, 5437.0, 5606.0, 5679.0, 5337.0, 5330.0, 5336.0, 5487.0, 5450.0, 5263.0, 5658.0, 5274.0, 5325.0, 5371.0, 5674.0, 5303.0, 5290.0, 5512.0, 5672.0, 5559.0, 5466.0, 5533.0, 5312.0, 5498.0, 5393.0, 5282.0, 5287.0, 5368.0, 5324.0, 5479.0, 5583.0, 5411.0, 5440.0, 5508.0, 5546.0, 5351.0, 5373.0, 5400.0, 5360.0, 5288.0, 5258.0, 5582.0, 5299.0, 5493.0, 5367.0, 5379.0, 5710.0, 5435.0, 5600.0, 5264.0, 5514.0, 5589.0, 5652.0, 5660.0, 5317.0, 5705.0, 5473.0, 5428.0, 5704.0 (number of hits: 9)
30	5290	9	1	333	1	5708.0, 5280.0, 5399.0, 5477.0, 5411.0, 5395.0, 5463.0, 5560.0, 5292.0, 5565.0, 5270.0, 5307.0, 5403.0, 5673.0, 5696.0, 5458.0, 5602.0, 5505.0, 5620.0, 5378.0, 5469.0, 5267.0, 5389.0, 5461.0, 5381.0, 5703.0, 5368.0, 5589.0, 5590.0, 5457.0, 5578.0, 5724.0, 5254.0, 5499.0, 5432.0, 5295.0, 5584.0, 5454.0, 5264.0, 5555.0, 5640.0, 5462.0, 5508.0, 5485.0, 5562.0, 5347.0, 5366.0, 5634.0, 5546.0, 5529.0, 5651.0, 5605.0, 5308.0, 5593.0, 5297.0, 5343.0, 5598.0, 5525.0, 5689.0, 5481.0, 5417.0, 5251.0, 5607.0, 5351.0, 5252.0, 5659.0, 5451.0, 5581.0, 5660.0, 5678.0, 5422.0, 5363.0, 5383.0, 5396.0, 5592.0, 5718.0, 5668.0, 5377.0, 5612.0, 5318.0, 5387.0, 5362.0, 5647.0, 5624.0, 5434.0, 5406.0, 5384.0, 5392.0, 5259.0, 5521.0, 5667.0, 5414.0, 5636.0, 5326.0, 5516.0, 5572.0, 5693.0, 5535.0, 5597.0, 5464.0 (number of hits: 7)

5290 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	96.7 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate (Type1 to 4)	120	93.33 %	80%	Pass
Type 5	30	96.67 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5290 MHz, 80 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	58	1	918	1
2	5290	95	1	558	1
3	5290	76	1	698	1
4	5290	70	1	758	1
5	5290	62	1	858	1
6	5251	99	1	538	1
7	5251	83	1	638	1
8	5251	59	1	898	1
9	5251	78	1	678	1
10	5251	65	1	818	1
11	5329	74	1	718	1
12	5329	89	1	598	1
13	5329	72	1	738	1
14	5329	67	1	798	1
15	5329	102	1	518	1
16	5290	52	1	1020	1
17	5290	43	1	1244	1
18	5290	89	1	597	1
19	5290	19	1	2841	1
20	5290	37	1	1459	1
21	5251	56	1	958	1
22	5251	39	1	1365	1
23	5251	76	1	699	1
24	5251	48	1	1111	1
25	5251	26	1	2082	1
26	5329	33	1	1645	1
27	5329	34	1	1568	1
28	5329	73	1	733	1
29	5329	53	1	1004	1
30	5329	43	1	1241	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	27	4.9	151	1
2	5290	24	2.3	225	0
3	5290	26	4.7	195	1
4	5290	26	4.1	207	1
5	5290	25	4.8	216	1
6	5290	24	2.7	186	1
7	5290	27	3.9	173	1
8	5290	25	1.7	219	1
9	5290	29	4.4	192	1
10	5290	25	4.4	194	1
11	5251	27	4.4	188	1
12	5251	26	4.3	184	1
13	5251	27	3.1	215	1
14	5251	29	3.3	208	1
15	5251	28	4.1	207	1
16	5251	24	4.4	204	1
17	5251	25	3.7	172	1
18	5251	29	3	217	1
19	5251	24	1	194	1
20	5251	29	4.1	162	1
21	5329	27	2.5	199	1
22	5329	29	4.6	158	1
23	5329	26	1.4	200	1
24	5329	23	3.9	221	1
25	5329	26	1.3	169	1
26	5329	23	4.9	154	1
27	5329	25	2.7	153	1
28	5329	28	3.9	228	1
29	5329	25	3.8	181	1
30	5329	27	3.8	189	1
Detection Percentage: 96.67 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	16	9.7	379	1
2	5290	16	8.4	362	1
3	5290	16	8.7	469	0
4	5290	18	8.3	294	1
5	5290	17	8.2	449	1
6	5290	18	7.1	369	1
7	5290	17	6.2	408	1
8	5290	18	7.6	426	1
9	5290	18	8.7	418	1
10	5290	18	7.4	433	1
11	5251	16	8.1	247	1
12	5251	17	9	478	1
13	5251	16	8.6	331	0
14	5251	18	6.5	486	1
15	5251	16	7.3	469	1
16	5251	18	6.7	453	1
17	5251	16	7.1	271	1
18	5251	17	8.7	211	1
19	5251	18	6.1	410	0
20	5251	18	9.2	429	1
21	5329	16	9.7	454	1
22	5329	17	7.7	435	1
23	5329	17	7.2	350	1
24	5329	17	7.5	471	0
25	5329	18	9.5	264	1
26	5329	17	9.5	412	1
27	5329	18	8.8	213	0
28	5329	18	7.5	465	1
29	5329	16	7.7	498	1
30	5329	17	8.8	349	1
Detection Percentage: 83.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	15	15.6	265	1
2	5290	15	18.5	242	1
3	5290	16	11.7	281	1
4	5290	15	13.9	482	1
5	5290	13	19.2	415	1
6	5290	12	18.4	256	1
7	5290	14	14.8	276	1
8	5290	16	18.7	273	1
9	5290	14	17.1	488	1
10	5290	14	16	289	1
11	5251	15	13.9	332	0
12	5251	13	16.6	398	1
13	5251	16	12.9	355	1
14	5251	14	12.6	462	1
15	5251	13	15.1	411	1
16	5251	15	19.2	306	1
17	5251	15	15.2	344	1
18	5251	16	12.3	249	1
19	5251	12	15.4	306	1
20	5251	15	14.1	345	1
21	5329	15	13.7	494	1
22	5329	13	14.9	204	1
23	5329	16	13.7	472	1
24	5329	12	12.6	221	1
25	5329	15	12.6	375	1
26	5329	16	17.9	372	1
27	5329	15	19.8	279	1
28	5329	13	16.6	481	0
29	5329	16	16.3	214	1
30	5329	15	11.5	370	1
Detection Percentage: 93.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5290	0
2	5290	1
3	5290	1
4	5290	1
5	5290	1
6	5290	1
7	5290	1
8	5290	1
9	5290	1
10	5290	1
11	5252.4	1
12	5253.2	1
13	5254.4	1
14	5252.4	1
15	5253.6	1
16	5254.0	1
17	5254.8	1
18	5256.0	1
19	5255.6	1
20	5258.0	1
21	5323.6	1
22	5326.4	1
23	5323.6	1
24	5325.6	1
25	5324.0	1
26	5325.6	1
27	5325.2	1
28	5323.2	1
29	5327.2	1
30	5326.8	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	94.2	1520	1349	0.924288	
1	1	14	95			2.173196	
2	3	14	78.4	1431	1095	3.224147	
3	3	14	59	1356	1686	3.660939	
4	2	14	93.5	1758		4.914168	
5	2	14	60	1049		5.462953	0
6	2	14	92.6	1908		7.561631	
7	3	14	58.2	1915	1282	7.857648	
8	2	14	94.1	1105		9.714598	
9	2	14	51.6	1613		10.863484	
10	2	14	93.3	1745		11.89399	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	86.9			0.568728	
1	3	13	57.3	1712	1623	0.842557	
2	2	13	69.1	1361		2.169198	
3	2	13	51.4	1646		2.870207	
4	2	13	87.1	1310		3.141972	
5	3	13	61.7	1419	1058	4.176993	
6	3	13	57.9	1424	1184	4.690591	
7	3	13	93	1434	1719	5.713425	
8	3	13	95	1029	1057	6.469841	1
9	2	13	67.1	1002		6.880959	
10	2	13	54.5	1216		8.219752	
11	2	13	94.1	1406		8.415524	
12	2	13	50.7	1741		9.314343	
13	2	13	94.9	1710		10.447109	
14	3	13	58.3	1804	1793	10.832429	
15	1	13	95			11.87703	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	52.9	1600	1527	0.7383	
1	2	15	70.2	1087		1.421534	
2	1	15	54.1			2.400831	
3	3	15	56.1	1302	1143	3.7901	
4	2	15	73.9	1425		5.48042	
5	3	15	72.1	1565	1644	6.894805	1
6	3	15	73.6	1581	1941	7.509588	
7	3	15	86.5	1095	1978	8.722251	
8	2	15	83.8	1484		10.141462	
9	1	15	82.4			11.923499	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	56.2	1164		0.040781	
1	2	7	88.3	1247		1.002054	
2	1	7	67.6			1.996506	
3	3	7	71.9	1603	1641	2.853506	
4	3	7	96.1	1857	1398	3.739956	
5	1	7	89.6			4.183426	
6	2	7	68.7	1673		5.052515	
7	2	7	59.2	1059		5.826831	
8	3	7	93.2	1663	1778	6.379258	1
9	1	7	51.7			6.998739	
10	3	7	71.9	1580	1315	7.655962	
11	3	7	64.1	1008	1545	8.757504	
12	1	7	97.1			9.509049	
13	2	7	61.2	1009		10.152124	
14	1	7	95			10.840395	
15	2	7	57.3	1651		11.687134	

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	6	80	1735		0.261008	
1	2	6	66.8	1365		1.197286	
2	1	6	90.7			1.429417	
3	2	6	78.8	1834		2.505783	
4	2	6	86.6	1481		2.828972	
5	2	6	95	1694		3.702776	
6	2	6	60.4	1968		4.019295	
7	1	6	83.3			5.081864	
8	3	6	75.2	1527	1062	5.888093	1
9	2	6	93.4	1448		6.053679	
10	2	6	97.4	1404		7.165634	
11	3	6	60.3	1838	1401	7.544688	
12	2	6	95.5	1793		8.654646	
13	3	6	98.2	1135	1628	9.194628	
14	3	6	51.5	1833	1554	9.744627	
15	2	6	68.8	1862		10.088457	
16	1	6	72.8			11.099383	
17	3	6	67.3	1737	1786	11.633214	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	88.3	1476		0.164862	
1	2	6	98.2	1939		1.982236	
2	2	6	59.5	1398		2.428982	
3	2	6	83.7	1415		3.439941	
4	2	6	91	1006		4.052517	
5	3	6	82.2	1838	1587	5.279923	1
6	2	6	99	1076		6.834454	
7	2	6	64.7	1939		7.364102	
8	2	6	92.3	1264		8.587679	
9	3	6	71.6	1630	1577	9.871852	
10	2	6	54.7	1937		10.631452	
11	2	6	96.6	1094		11.899175	

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	9	63.3	1930	1810	0.142155	
1	2	9	58.8	1942		2.211187	
2	3	9	54.6	1806	1860	3.715165	
3	1	9	88.9			5.393102	
4	3	9	99	1057	1298	7.213156	1
5	2	9	83.3	1824		8.576714	
6	3	9	83.7	1944	1204	9.144778	
7	3	9	99.7	1437	1373	11.916805	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	86.5	1726	1105	0.581077	
1	1	5	74			1.365635	
2	2	5	85.6	1467		2.224399	
3	1	5	81.6			2.703686	
4	3	5	80.1	1876	1370	3.56245	
5	3	5	52.4	1120	1852	3.757262	
6	1	5	66.9			5.089463	
7	2	5	52	1392		5.610048	
8	2	5	54.9	1035		6.144506	1
9	1	5	81.1			7.094751	
10	2	5	81	1139		7.653017	
11	2	5	81.7	1781		8.574865	
12	1	5	56.4			9.734776	
13	2	5	80.6	1331		10.068196	
14	1	5	94.6			10.698367	
15	1	5	79			11.780864	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	59.9			0.552164	
1	3	8	83	1159	1437	1.006927	
2	3	8	76	1658	1016	1.872871	
3	2	8	92.2	1188		2.949842	
4	1	8	75.9			4.052645	
5	2	8	97.1	1689		5.051923	
6	2	8	74.1	1530		5.473269	
7	3	8	92.8	1574	1897	6.811506	1
8	2	8	98	1543		7.23038	
9	1	8	82.1			7.898413	
10	2	8	86.1	1775		8.798035	
11	1	8	67.1			9.601953	
12	2	8	57.2	1044		11.098252	
13	2	8	93.2	1137		11.933767	

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	10	84	1782	1534	0.538893	
1	3	10	63	1557	1687	0.806584	
2	2	10	92.5	1468		1.506357	
3	2	10	89.9	1878		2.053308	
4	2	10	73.2	1497		2.964099	
5	2	10	93.3	1136		3.471109	
6	2	10	60.3	1520		4.298667	
7	1	10	81.9			5.083212	
8	1	10	80			5.892275	
9	1	10	99.6			6.032506	1
10	2	10	99.6	1099		6.740536	
11	3	10	89.2	1866	1544	7.677554	
12	3	10	84.8	1509	1378	8.568503	
13	1	10	100			8.80073	
14	1	10	82			9.732155	
15	2	10	72.2	1796		10.364255	
16	2	10	85.7	1191		11.300745	
17	2	10	72.8	1609		11.805002	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	77.2			0.207799	
1	3	6	63	1046	1906	2.525667	
2	1	6	97.6			3.326658	
3	2	6	57	1973		5.046563	
4	2	6	97.3	1872		6.299637	1
5	3	6	62.8	1731	1338	7.216965	
6	2	6	96.6	1629		8.474442	
7	2	6	99.1	1813		9.778037	
8	3	6	94.2	1720	1426	11.462672	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	89.6			0.932425	
1	3	8	75.6	1367	1398	1.588386	
2	2	8	79.4	1947		2.189108	
3	3	8	56.2	1360	1764	3.821986	
4	2	8	65.5	1823		4.071158	
5	3	8	85.5	1755	1416	5.796909	
6	3	8	53.3	1672	1589	6.723114	1
7	2	8	77.7	1986		7.754488	
8	2	8	87.8	1976		8.706075	
9	2	8	97.2	1694		9.027426	
10	1	8	53.6			10.782709	
11	1	8	64.5			11.100074	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	55.8	1586		0.070551	
1	3	11	88.2	1670	1701	1.59389	
2	2	11	83.9	1063		1.834787	
3	1	11	61.9			2.64901	
4	1	11	98.1			3.608234	
5	3	11	84.8	1195	1121	4.590478	
6	3	11	85.5	1909	1721	5.922512	1
7	1	11	82			6.294096	
8	2	11	78.6	1740		6.987232	
9	3	11	54.8	1206	1048	8.168479	
10	3	11	61.1	1653	1738	8.596798	
11	1	11	56.9			9.709716	
12	2	11	51.8	1632		10.326169	
13	3	11	72.4	1093	1762	11.431886	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	66.6	1138		0.323986	
1	2	6	56	1468		1.697044	
2	2	6	96.6	1070		2.657331	
3	3	6	80.8	1406	1045	3.695189	
4	2	6	53.2	1005		4.882861	1
5	1	6	75			6.792527	
6	3	6	57	1182	1703	8.010361	
7	1	6	70.5			9.039679	
8	2	6	52.3	1699		10.246582	
9	3	6	64	1082	1343	11.287347	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	69.9	1165	1682	0.24871	
1	1	9	88.1			0.633655	
2	1	9	63.7			1.465167	
3	2	9	55.2	1982		1.982904	
4	2	9	88.4	1268		2.998725	
5	2	9	54.9	1768		3.479126	
6	2	9	93.7	1461		3.963188	
7	2	9	79.5	1411		4.777837	
8	2	9	68.4	1862		5.502903	
9	3	9	69.4	1316	1976	5.867277	1
10	2	9	82.7	1051		6.743903	
11	3	9	72.3	1834	1508	6.951484	
12	2	9	84.4	1795		7.939323	
13	1	9	68.9			8.473757	
14	3	9	86.9	1743	1732	8.883299	
15	2	9	84.3	1824		9.692622	
16	3	9	76	1444	1841	10.583962	
17	1	9	98.3			11.305428	
18	1	9	67.8			11.449138	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	81.8	1010		0.491082	
1	2	10	80.1	1509		0.636587	
2	3	10	96.6	1724	1774	1.53397	
3	2	10	72.9	1492		2.2859	
4	1	10	93.7			3.101626	
5	3	10	83.7	1926	1397	3.450034	
6	3	10	58.2	1874	1213	4.108328	
7	1	10	91.3			4.484699	
8	3	10	98.3	1328	1225	5.58329	
9	2	10	73.6	1700		6.284254	1
10	2	10	91.8	1156		6.864895	
11	3	10	53.5	1974	1738	7.554045	
12	2	10	89.8	1551		7.938162	
13	2	10	66.2	1338		8.611643	
14	1	10	53.9			9.173187	
15	3	10	99.9	1495	1820	9.5402	
16	1	10	70.3			10.546964	
17	3	10	87.2	1191	1482	11.137493	
18	2	10	82.7	1379		11.568614	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	63.9	1169		1.184448	
1	1	12	79.1			1.861426	
2	2	12	58.8	1020		3.691639	
3	2	12	61.2	1052		4.448757	
4	3	12	69.2	1586	1944	6.044769	1
5	1	12	58.7			7.557713	
6	2	12	87.3	1880		9.043904	
7	3	12	83.1	1257	1356	10.174683	
8	1	12	91.7			10.75607	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	88.2	1181	1026	0.256899	
1	3	15	90.8	1668	1862	1.155983	
2	2	15	91.3	1858		2.701548	
3	2	15	82.9	1940		3.862934	
4	2	15	53.9	1562		4.698805	
5	3	15	85.7	1673	1659	5.97178	0
6	1	15	74.3			6.780957	
7	2	15	75	1846		7.860324	
8	1	15	61.6			8.600736	
9	2	15	69.9	1819		9.077861	
10	1	15	96.5			10.748755	
11	3	15	68.4	1165	1969	11.526285	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	59.1	1007		0.582373	
1	2	14	97.8	1073		2.106273	
2	3	14	90.7	1063	1581	3.713912	
3	2	14	62.2	1032		4.672651	
4	2	14	99.1	1556		6.331375	1
5	2	14	82	1120		7.481949	
6	2	14	85	1267		8.436615	
7	1	14	61.7			9.744249	
8	1	14	93.6			11.655608	

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	20	92.5	1953	1752	1.222377	
1	3	20	81.7	1384	1512	1.786484	
2	2	20	67.4	1941		3.101132	
3	2	20	53.8	1797		4.31662	
4	2	20	70.7	1387		6.516033	1
5	2	20	73.7	1333		7.334031	
6	2	20	79.2	1162		9.115494	
7	3	20	94.4	1372	1459	10.367911	
8	3	20	54.3	1985	1560	11.217157	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	64.9	1620		0.209487	
1	2	16	64.9	1310		0.810791	
2	2	16	60.4	1908		1.805213	
3	2	16	76.2	1171		2.371799	
4	3	16	52.9	1819	1019	3.056664	
5	1	16	75.2			3.977722	
6	2	16	68.3	1995		4.59091	
7	2	16	61.6	1985		5.31555	
8	2	16	56.3	1763		5.539382	
9	2	16	98.1	1424		6.224838	1
10	3	16	61.4	1463	1121	7.246926	
11	2	16	81.4	1509		7.364677	
12	2	16	77.5	1944		8.198037	
13	1	16	65.7			8.873697	
14	3	16	66.6	1031	1050	9.423899	
15	2	16	85	1184		10.628667	
16	2	16	65.5	1733		10.746153	
17	3	16	50.9	1789	1193	11.486369	

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	86.2	1355		0.560399	
1	1	9	95.8			0.804816	
2	2	9	59.6	1364		2.081817	
3	1	9	68.8			2.497792	
4	3	9	63.6	1044	1672	3.550714	
5	2	9	76.4	1352		4.395702	
6	1	9	65.3			5.065509	
7	1	9	77.4			5.886013	1
8	2	9	76.6	1498		6.679078	
9	2	9	62.3	1052		6.779713	
10	1	9	68			8.007344	
11	2	9	59.5	1729		8.585319	
12	1	9	53.4			9.641565	
13	3	9	97	1221	1910	9.844176	
14	1	9	52			10.536414	
15	2	9	88.2	1393		11.318709	

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	87.3	1310		0.330683	
1	3	16	65.1	1434	1994	1.229357	
2	1	16	89.3			1.929042	
3	3	16	89.3	1564	1230	2.505588	
4	1	16	87			3.118598	
5	1	16	52.1			3.983738	
6	2	16	57.3	1988		4.429934	
7	2	16	71.1	1694		4.98673	
8	1	16	86.4			5.694577	
9	2	16	57.4	1014		6.249888	1
10	2	16	53.2	1846		7.187155	
11	1	16	58.1			7.65109	
12	1	16	69.3			8.263991	
13	2	16	51.1	1255		8.967159	
14	2	16	74.8	1582		9.697941	
15	2	16	66.6	1489		10.568051	
16	2	16	60	1789		11.107837	
17	2	16	58.2	1473		11.865535	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	55.6	1545		0.35616	
1	1	11	56.1			1.200694	
2	1	11	79.4			1.927336	
3	3	11	93.3	1129	1846	2.12565	
4	2	11	56.8	1195		3.462424	
5	2	11	52.9	1630		3.898219	
6	2	11	84.9	1150		4.610256	
7	3	11	87.1	1115	1962	5.091772	
8	2	11	71.2	1251		5.754845	1
9	3	11	79.1	1711	1691	6.703463	
10	1	11	74.5			7.413125	
11	3	11	83.2	1622	1533	8.008422	
12	2	11	62.6	1895		8.952737	
13	3	11	79	1225	1297	9.528474	
14	2	11	99.7	1118		10.311586	
15	2	11	65.2	1612		10.994659	
16	2	11	60.8	1117		11.679246	

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	15	68.7	1509		0.671927	
1	2	15	91.6	1503		0.945174	
2	1	15	70.8			1.877943	
3	3	15	65.5	1854	1742	2.156745	
4	3	15	59.9	1170	1702	3.420078	
5	1	15	90.2			3.91538	
6	2	15	57.9	1994		4.548323	
7	1	15	72.3			5.642659	
8	1	15	73.3			5.98651	1
9	3	15	55.6	1095	1643	6.631066	
10	2	15	52.2	1134		7.675986	
11	2	15	53.1	1405		7.858085	
12	1	15	53.2			8.621263	
13	2	15	93.7	1122		9.653941	
14	2	15	51.2	1151		10.222715	
15	2	15	69.1	1096		10.619394	
16	1	15	86.5			11.535368	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	68.8	1130		0.308188	
1	2	11	93.7	1998		1.124384	
2	3	11	94	1454	1730	2.680166	
3	2	11	53.5	1185		3.501766	
4	1	11	64.2			4.684409	
5	3	11	65.9	1643	1676	5.934016	1
6	2	11	92.9	1031		6.605265	
7	1	11	69.2			7.974565	
8	2	11	77.3	1383		8.153629	
9	1	11	99.1			9.087534	
10	2	11	95	1439		10.552989	
11	2	11	64.2	1796		11.425509	

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	12	62.4	1725		0.152378	
1	1	12	80.8			0.961261	
2	2	12	70.4	1078		2.235875	
3	1	12	53.7			2.441284	
4	2	12	53.7	1529		3.884745	
5	2	12	60	1771		4.466913	
6	3	12	59.2	1608	1635	5.197925	
7	2	12	63.7	1192		6.235821	1
8	2	12	53.1	1917		6.892021	
9	3	12	60.2	1743	1091	7.840068	
10	2	12	98.9	1458		8.627575	
11	1	12	78.8			8.917193	
12	2	12	79.7	1929		10.267098	
13	2	12	68.3	1228		11.155987	
14	3	12	90.6	1406	1486	11.915418	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	81.7	1653		0.005384	
1	3	17	99.5	1035	1213	1.522851	
2	3	17	95.7	1832	1515	2.669093	
3	1	17	55.1			2.942882	
4	1	17	82.5			4.117663	
5	1	17	50.6			5.391225	
6	2	17	69.2	1617		6.43144	1
7	3	17	73.8	1827	1353	6.94928	
8	3	17	73.1	1911	1415	8.084676	
9	2	17	99.8	1372		8.468543	
10	2	17	87.8	1313		9.802714	
11	3	17	53.3	1843	1608	11.040384	
12	2	17	53.9	1182		11.380636	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	59.5			0.627847	
1	2	7	70.2	1007		1.239562	
2	3	7	70.8	1984	1144	1.711817	
3	1	7	53.4			2.492143	
4	3	7	95.9	1973	1060	3.422949	
5	3	7	63.4	1265	1245	4.31586	
6	2	7	57.5	1460		5.178135	
7	2	7	90.4	1053		5.862096	
8	2	7	60.5	1553		6.383221	1
9	3	7	77.3	1366	1124	7.107989	
10	1	7	54.8			7.876961	
11	3	7	96.3	1317	1400	8.710499	
12	2	7	62.9	1264		9.018285	
13	3	7	81.4	1380	1246	10.473728	
14	2	7	67.2	1565		10.764824	
15	1	7	74.7			11.56253	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	63.6	1830		0.987604	
1	2	8	76.7	1525		1.511217	
2	2	8	51.1	1639		3.4837	
3	3	8	87.6	1520	1022	3.9703	
4	1	8	71.1			5.870871	1
5	2	8	66.4	1730		6.745061	
6	2	8	56.3	1096		7.921626	
7	2	8	67.5	1837		8.827254	
8	2	8	59.7	1693		10.331946	
9	2	8	58.7	1027		11.489444	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5290	9	1	333	1	5469.0, 5347.0, 5368.0, 5534.0, 5325.0, 5361.0, 5645.0, 5393.0, 5259.0, 5392.0, 5430.0, 5680.0, 5564.0, 5290.0, 5386.0, 5558.0, 5263.0, 5509.0, 5644.0, 5379.0, 5408.0, 5333.0, 5358.0, 5374.0, 5612.0, 5583.0, 5422.0, 5673.0, 5649.0, 5355.0, 5545.0, 5482.0, 5412.0, 5338.0, 5376.0, 5477.0, 5521.0, 5391.0, 5272.0, 5653.0, 5494.0, 5330.0, 5305.0, 5436.0, 5353.0, 5324.0, 5658.0, 5309.0, 5698.0, 5322.0, 5602.0, 5479.0, 5587.0, 5654.0, 5663.0, 5437.0, 5465.0, 5402.0, 5710.0, 5282.0, 5370.0, 5278.0, 5664.0, 5438.0, 5291.0, 5525.0, 5536.0, 5411.0, 5269.0, 5389.0, 5682.0, 5266.0, 5382.0, 5286.0, 5417.0, 5390.0, 5404.0, 5681.0, 5464.0, 5343.0, 5320.0, 5254.0, 5276.0, 5557.0, 5398.0, 5302.0, 5574.0, 5255.0, 5712.0, 5270.0, 5586.0, 5593.0, 5718.0, 5312.0, 5560.0, 5431.0, 5697.0, 5537.0, 5289.0, 5306.0 (number of hits: 24)
2	5290	9	1	333	1	5724.0, 5253.0, 5323.0, 5266.0, 5452.0, 5356.0, 5512.0, 5300.0, 5529.0, 5533.0, 5519.0, 5298.0, 5347.0, 5525.0, 5486.0, 5619.0, 5658.0, 5403.0, 5650.0, 5274.0, 5497.0, 5367.0, 5538.0, 5678.0, 5574.0, 5500.0, 5440.0, 5562.0, 5331.0, 5629.0, 5544.0, 5704.0, 5289.0, 5669.0, 5697.0, 5665.0, 5584.0, 5399.0, 5698.0, 5607.0, 5636.0, 5349.0, 5267.0, 5297.0, 5532.0, 5492.0, 5522.0, 5673.0, 5468.0, 5516.0, 5547.0, 5531.0, 5620.0, 5702.0, 5305.0, 5677.0, 5612.0, 5322.0, 5587.0, 5686.0, 5341.0, 5265.0, 5384.0, 5590.0, 5696.0, 5382.0, 5633.0, 5294.0, 5334.0, 5302.0, 5655.0, 5388.0, 5447.0, 5628.0, 5293.0, 5605.0, 5490.0, 5261.0, 5423.0, 5545.0, 5551.0, 5560.0, 5439.0, 5695.0, 5432.0, 5585.0, 5506.0, 5622.0, 5617.0, 5268.0, 5479.0, 5391.0, 5270.0, 5549.0, 5291.0, 5570.0, 5362.0, 5418.0, 5656.0, 5580.0 (number of hits: 19)
3	5290	9	1	333	1	5439.0, 5490.0, 5251.0, 5417.0, 5452.0, 5600.0, 5340.0, 5295.0, 5534.0, 5451.0, 5274.0, 5463.0, 5366.0, 5456.0, 5593.0, 5265.0, 5634.0, 5358.0, 5603.0, 5449.0, 5418.0, 5442.0, 5709.0, 5462.0, 5342.0, 5346.0, 5263.0, 5413.0, 5262.0, 5595.0, 5549.0, 5477.0, 5370.0, 5677.0, 5529.0, 5714.0, 5638.0, 5547.0, 5365.0, 5286.0, 5630.0, 5594.0, 5350.0, 5318.0, 5289.0, 5724.0, 5525.0, 5300.0, 5465.0, 5542.0, 5512.0, 5386.0, 5637.0, 5443.0, 5359.0,

						5670.0, 5623.0, 5689.0, 5473.0, 5541.0, 5505.0, 5536.0, 5532.0, 5336.0, 5362.0, 5546.0, 5679.0, 5297.0, 5667.0, 5691.0, 5272.0, 5355.0, 5693.0, 5388.0, 5392.0, 5523.0, 5513.0, 5544.0, 5434.0, 5712.0, 5376.0, 5367.0, 5338.0, 5499.0, 5481.0, 5373.0, 5584.0, 5671.0, 5314.0, 5484.0, 5599.0, 5478.0, 5559.0, 5482.0, 5399.0, 5403.0, 5539.0, 5665.0, 5250.0, 5488.0 (number of hits: 14)
4	5290	9	1	333	1	5427.0, 5685.0, 5500.0, 5682.0, 5513.0, 5380.0, 5300.0, 5610.0, 5599.0, 5568.0, 5694.0, 5361.0, 5275.0, 5454.0, 5379.0, 5613.0, 5394.0, 5373.0, 5366.0, 5250.0, 5318.0, 5520.0, 5650.0, 5368.0, 5252.0, 5527.0, 5548.0, 5629.0, 5406.0, 5461.0, 5460.0, 5674.0, 5416.0, 5435.0, 5477.0, 5349.0, 5642.0, 5615.0, 5303.0, 5371.0, 5622.0, 5262.0, 5666.0, 5710.0, 5558.0, 5428.0, 5350.0, 5384.0, 5499.0, 5465.0, 5662.0, 5631.0, 5327.0, 5644.0, 5429.0, 5320.0, 5447.0, 5330.0, 5722.0, 5541.0, 5472.0, 5281.0, 5649.0, 5332.0, 5628.0, 5540.0, 5546.0, 5691.0, 5486.0, 5673.0, 5506.0, 5688.0, 5397.0, 5716.0, 5692.0, 5536.0, 5468.0, 5322.0, 5711.0, 5430.0, 5474.0, 5375.0, 5663.0, 5343.0, 5626.0, 5603.0, 5684.0, 5370.0, 5561.0, 5390.0, 5377.0, 5325.0, 5414.0, 5488.0, 5412.0, 5455.0, 5588.0, 5618.0, 5286.0, 5316.0 (number of hits: 14)
5	5290	9	1	333	1	5403.0, 5318.0, 5678.0, 5291.0, 5655.0, 5460.0, 5254.0, 5585.0, 5264.0, 5710.0, 5684.0, 5621.0, 5309.0, 5545.0, 5307.0, 5657.0, 5619.0, 5607.0, 5658.0, 5373.0, 5537.0, 5675.0, 5554.0, 5709.0, 5349.0, 5412.0, 5551.0, 5410.0, 5399.0, 5319.0, 5459.0, 5626.0, 5627.0, 5706.0, 5517.0, 5448.0, 5632.0, 5699.0, 5592.0, 5637.0, 5542.0, 5362.0, 5461.0, 5654.0, 5642.0, 5540.0, 5397.0, 5685.0, 5464.0, 5305.0, 5252.0, 5476.0, 5321.0, 5332.0, 5716.0, 5705.0, 5400.0, 5667.0, 5713.0, 5714.0, 5290.0, 5700.0, 5558.0, 5568.0, 5308.0, 5394.0, 5334.0, 5635.0, 5582.0, 5389.0, 5482.0, 5639.0, 5605.0, 5345.0, 5275.0, 5612.0, 5304.0, 5268.0, 5396.0, 5270.0, 5301.0, 5257.0, 5668.0, 5548.0, 5393.0, 5504.0, 5427.0, 5495.0, 5475.0, 5288.0, 5406.0, 5293.0, 5584.0, 5431.0, 5258.0, 5425.0, 5339.0, 5471.0, 5560.0, 5357.0 (number of hits: 21)
6	5290	9	1	333	1	5360.0, 5516.0, 5652.0, 5293.0, 5698.0, 5352.0, 5649.0, 5610.0, 5557.0, 5551.0, 5347.0, 5482.0, 5671.0, 5483.0, 5594.0, 5642.0, 5717.0, 5310.0, 5470.0, 5669.0, 5639.0, 5283.0, 5270.0, 5696.0, 5723.0, 5305.0, 5664.0, 5530.0, 5681.0, 5693.0, 5372.0, 5599.0, 5263.0, 5638.0, 5544.0,

						5491.0, 5353.0, 5326.0, 5528.0, 5304.0, 5327.0, 5276.0, 5379.0, 5536.0, 5448.0, 5684.0, 5320.0, 5534.0, 5468.0, 5441.0, 5565.0, 5357.0, 5266.0, 5603.0, 5402.0, 5384.0, 5391.0, 5404.0, 5401.0, 5271.0, 5383.0, 5261.0, 5397.0, 5315.0, 5394.0, 5540.0, 5319.0, 5472.0, 5529.0, 5521.0, 5436.0, 5563.0, 5366.0, 5597.0, 5398.0, 5488.0, 5650.0, 5476.0, 5393.0, 5579.0, 5685.0, 5687.0, 5660.0, 5532.0, 5301.0, 5318.0, 5307.0, 5643.0, 5292.0, 5329.0, 5518.0, 5297.0, 5618.0, 5676.0, 5253.0, 5558.0, 5256.0, 5408.0, 5321.0, 5568.0 (number of hits: 25)
7	5290	9	1	333	1	5325.0, 5545.0, 5320.0, 5369.0, 5618.0, 5354.0, 5590.0, 5559.0, 5701.0, 5626.0, 5435.0, 5502.0, 5648.0, 5489.0, 5313.0, 5453.0, 5331.0, 5615.0, 5358.0, 5330.0, 5454.0, 5255.0, 5698.0, 5540.0, 5720.0, 5475.0, 5357.0, 5608.0, 5494.0, 5478.0, 5602.0, 5663.0, 5303.0, 5669.0, 5670.0, 5522.0, 5302.0, 5373.0, 5578.0, 5404.0, 5327.0, 5490.0, 5548.0, 5638.0, 5466.0, 5252.0, 5677.0, 5505.0, 5438.0, 5451.0, 5309.0, 5554.0, 5636.0, 5418.0, 5294.0, 5416.0, 5599.0, 5278.0, 5270.0, 5511.0, 5555.0, 5583.0, 5470.0, 5562.0, 5445.0, 5274.0, 5624.0, 5646.0, 5272.0, 5351.0, 5285.0, 5642.0, 5384.0, 5442.0, 5703.0, 5623.0, 5659.0, 5569.0, 5374.0, 5461.0, 5298.0, 5598.0, 5689.0, 5471.0, 5366.0, 5460.0, 5256.0, 5547.0, 5422.0, 5340.0, 5385.0, 5557.0, 5353.0, 5632.0, 5605.0, 5674.0, 5402.0, 5315.0, 5637.0, 5421.0 (number of hits: 18)
8	5290	9	1	333	1	5585.0, 5523.0, 5558.0, 5450.0, 5478.0, 5664.0, 5657.0, 5521.0, 5663.0, 5308.0, 5266.0, 5324.0, 5314.0, 5567.0, 5252.0, 5666.0, 5311.0, 5331.0, 5491.0, 5615.0, 5656.0, 5640.0, 5367.0, 5456.0, 5438.0, 5315.0, 5527.0, 5368.0, 5668.0, 5388.0, 5395.0, 5475.0, 5442.0, 5706.0, 5702.0, 5575.0, 5620.0, 5655.0, 5600.0, 5646.0, 5321.0, 5545.0, 5493.0, 5537.0, 5496.0, 5424.0, 5477.0, 5578.0, 5290.0, 5691.0, 5506.0, 5357.0, 5285.0, 5301.0, 5514.0, 5672.0, 5679.0, 5421.0, 5322.0, 5638.0, 5381.0, 5522.0, 5556.0, 5323.0, 5580.0, 5719.0, 5463.0, 5268.0, 5500.0, 5593.0, 5524.0, 5699.0, 5339.0, 5486.0, 5689.0, 5720.0, 5629.0, 5511.0, 5299.0, 5568.0, 5607.0, 5534.0, 5533.0, 5564.0, 5649.0, 5306.0, 5401.0, 5621.0, 5460.0, 5676.0, 5462.0, 5595.0, 5280.0, 5269.0, 5694.0, 5518.0, 5644.0, 5461.0, 5697.0, 5501.0 (number of hits: 18)
9	5290	9	1	333	1	5334.0, 5495.0, 5511.0, 5264.0, 5562.0, 5372.0, 5380.0, 5366.0, 5393.0, 5720.0, 5596.0, 5659.0, 5304.0, 5336.0, 5700.0,

						5691.0, 5442.0, 5419.0, 5402.0, 5352.0, 5291.0, 5561.0, 5677.0, 5436.0, 5299.0, 5537.0, 5482.0, 5357.0, 5614.0, 5631.0, 5317.0, 5624.0, 5301.0, 5407.0, 5302.0, 5329.0, 5369.0, 5338.0, 5412.0, 5373.0, 5484.0, 5530.0, 5519.0, 5294.0, 5612.0, 5523.0, 5643.0, 5593.0, 5589.0, 5540.0, 5303.0, 5693.0, 5262.0, 5312.0, 5670.0, 5521.0, 5433.0, 5358.0, 5446.0, 5559.0, 5434.0, 5667.0, 5462.0, 5263.0, 5724.0, 5437.0, 5567.0, 5550.0, 5687.0, 5583.0, 5597.0, 5306.0, 5390.0, 5675.0, 5471.0, 5345.0, 5560.0, 5284.0, 5715.0, 5620.0, 5348.0, 5581.0, 5350.0, 5466.0, 5322.0, 5389.0, 5692.0, 5674.0, 5290.0, 5267.0, 5496.0, 5655.0, 5704.0, 5653.0, 5253.0, 5343.0, 5364.0, 5711.0, 5679.0, 5386.0 (number of hits: 19)
10	5290	9	1	333	1	5397.0, 5329.0, 5408.0, 5613.0, 5457.0, 5320.0, 5632.0, 5502.0, 5297.0, 5588.0, 5703.0, 5252.0, 5662.0, 5477.0, 5629.0, 5538.0, 5689.0, 5337.0, 5598.0, 5600.0, 5649.0, 5342.0, 5714.0, 5307.0, 5715.0, 5616.0, 5625.0, 5499.0, 5640.0, 5288.0, 5338.0, 5611.0, 5617.0, 5532.0, 5708.0, 5405.0, 5560.0, 5449.0, 5262.0, 5383.0, 5677.0, 5622.0, 5509.0, 5675.0, 5692.0, 5377.0, 5412.0, 5458.0, 5679.0, 5480.0, 5546.0, 5263.0, 5641.0, 5587.0, 5371.0, 5364.0, 5331.0, 5704.0, 5575.0, 5418.0, 5260.0, 5501.0, 5531.0, 5595.0, 5444.0, 5660.0, 5585.0, 5482.0, 5694.0, 5341.0, 5571.0, 5666.0, 5645.0, 5298.0, 5448.0, 5548.0, 5484.0, 5671.0, 5551.0, 5604.0, 5488.0, 5592.0, 5361.0, 5514.0, 5436.0, 5378.0, 5559.0, 5536.0, 5633.0, 5365.0, 5358.0, 5618.0, 5526.0, 5250.0, 5630.0, 5445.0, 5403.0, 5456.0, 5362.0, 5591.0 (number of hits: 11)
11	5290	9	1	333	1	5592.0, 5552.0, 5645.0, 5604.0, 5322.0, 5533.0, 5646.0, 5450.0, 5634.0, 5376.0, 5617.0, 5697.0, 5660.0, 5598.0, 5706.0, 5531.0, 5304.0, 5557.0, 5317.0, 5486.0, 5358.0, 5278.0, 5647.0, 5511.0, 5687.0, 5444.0, 5262.0, 5546.0, 5503.0, 5491.0, 5302.0, 5257.0, 5536.0, 5501.0, 5290.0, 5374.0, 5702.0, 5311.0, 5583.0, 5571.0, 5323.0, 5404.0, 5399.0, 5638.0, 5550.0, 5432.0, 5535.0, 5457.0, 5565.0, 5260.0, 5644.0, 5712.0, 5600.0, 5266.0, 5344.0, 5352.0, 5268.0, 5389.0, 5494.0, 5493.0, 5453.0, 5495.0, 5303.0, 5388.0, 5321.0, 5683.0, 5655.0, 5475.0, 5689.0, 5354.0, 5701.0, 5721.0, 5577.0, 5446.0, 5407.0, 5666.0, 5428.0, 5502.0, 5688.0, 5534.0, 5406.0, 5279.0, 5516.0, 5284.0, 5572.0, 5496.0, 5451.0, 5492.0, 5656.0, 5363.0, 5305.0, 5636.0, 5581.0, 5292.0, 5461.0, 5340.0, 5665.0, 5423.0, 5338.0, 5575.0

						(number of hits: 19)
12	5290	9	1	333	1	5251.0, 5490.0, 5621.0, 5354.0, 5585.0, 5492.0, 5470.0, 5404.0, 5380.0, 5634.0, 5637.0, 5315.0, 5581.0, 5286.0, 5300.0, 5696.0, 5687.0, 5293.0, 5660.0, 5292.0, 5576.0, 5288.0, 5654.0, 5597.0, 5453.0, 5545.0, 5516.0, 5413.0, 5482.0, 5607.0, 5397.0, 5472.0, 5530.0, 5515.0, 5324.0, 5284.0, 5458.0, 5351.0, 5708.0, 5659.0, 5278.0, 5374.0, 5551.0, 5537.0, 5627.0, 5422.0, 5439.0, 5316.0, 5567.0, 5411.0, 5525.0, 5294.0, 5531.0, 5469.0, 5329.0, 5559.0, 5400.0, 5366.0, 5570.0, 5443.0, 5664.0, 5623.0, 5547.0, 5412.0, 5523.0, 5558.0, 5475.0, 5514.0, 5641.0, 5346.0, 5410.0, 5698.0, 5583.0, 5689.0, 5651.0, 5275.0, 5321.0, 5517.0, 5396.0, 5713.0, 5291.0, 5509.0, 5619.0, 5393.0, 5500.0, 5355.0, 5384.0, 5460.0, 5615.0, 5556.0, 5521.0, 5302.0, 5332.0, 5313.0, 5255.0, 5385.0, 5557.0, 5703.0, 5290.0, 5625.0
						(number of hits: 20)
13	5290	9	1	333	1	5518.0, 5418.0, 5644.0, 5263.0, 5257.0, 5717.0, 5487.0, 5364.0, 5601.0, 5345.0, 5400.0, 5705.0, 5381.0, 5451.0, 5316.0, 5548.0, 5656.0, 5350.0, 5663.0, 5396.0, 5261.0, 5509.0, 5442.0, 5421.0, 5283.0, 5497.0, 5589.0, 5281.0, 5367.0, 5581.0, 5351.0, 5607.0, 5310.0, 5627.0, 5493.0, 5543.0, 5586.0, 5287.0, 5485.0, 5629.0, 5499.0, 5534.0, 5258.0, 5707.0, 5321.0, 5536.0, 5576.0, 5567.0, 5385.0, 5423.0, 5278.0, 5564.0, 5300.0, 5588.0, 5422.0, 5592.0, 5675.0, 5340.0, 5397.0, 5626.0, 5636.0, 5531.0, 5294.0, 5462.0, 5393.0, 5331.0, 5603.0, 5702.0, 5449.0, 5412.0, 5377.0, 5708.0, 5693.0, 5676.0, 5252.0, 5633.0, 5380.0, 5273.0, 5419.0, 5625.0, 5502.0, 5683.0, 5366.0, 5491.0, 5535.0, 5468.0, 5662.0, 5337.0, 5667.0, 5628.0, 5528.0, 5483.0, 5686.0, 5382.0, 5547.0, 5276.0, 5314.0, 5353.0, 5679.0, 5673.0
						(number of hits: 17)
14	5290	9	1	333	1	5377.0, 5585.0, 5479.0, 5465.0, 5564.0, 5444.0, 5361.0, 5561.0, 5399.0, 5472.0, 5670.0, 5633.0, 5371.0, 5267.0, 5627.0, 5275.0, 5427.0, 5674.0, 5342.0, 5320.0, 5505.0, 5548.0, 5448.0, 5516.0, 5357.0, 5487.0, 5453.0, 5643.0, 5368.0, 5486.0, 5612.0, 5622.0, 5418.0, 5358.0, 5280.0, 5282.0, 5432.0, 5512.0, 5452.0, 5565.0, 5710.0, 5422.0, 5526.0, 5359.0, 5395.0, 5296.0, 5654.0, 5277.0, 5574.0, 5334.0, 5364.0, 5590.0, 5545.0, 5616.0, 5688.0, 5694.0, 5332.0, 5367.0, 5570.0, 5578.0, 5549.0, 5667.0, 5630.0, 5563.0, 5689.0, 5556.0, 5402.0, 5298.0, 5338.0, 5460.0, 5530.0, 5599.0, 5678.0, 5375.0, 5433.0, 5718.0, 5445.0, 5696.0, 5464.0, 5509.0,

						5373.0, 5711.0, 5397.0, 5319.0, 5325.0, 5495.0, 5409.0, 5475.0, 5573.0, 5311.0, 5419.0, 5490.0, 5525.0, 5707.0, 5577.0, 5339.0, 5562.0, 5474.0, 5536.0, 5284.0 (number of hits: 12)
15	5290	9	1	333	1	5690.0, 5290.0, 5660.0, 5331.0, 5705.0, 5703.0, 5351.0, 5480.0, 5702.0, 5378.0, 5449.0, 5478.0, 5437.0, 5698.0, 5612.0, 5662.0, 5407.0, 5706.0, 5260.0, 5310.0, 5649.0, 5581.0, 5321.0, 5382.0, 5626.0, 5593.0, 5269.0, 5542.0, 5561.0, 5257.0, 5699.0, 5586.0, 5459.0, 5380.0, 5296.0, 5383.0, 5657.0, 5425.0, 5458.0, 5414.0, 5385.0, 5588.0, 5609.0, 5721.0, 5479.0, 5291.0, 5492.0, 5627.0, 5697.0, 5300.0, 5281.0, 5448.0, 5633.0, 5675.0, 5487.0, 5472.0, 5653.0, 5456.0, 5546.0, 5253.0, 5578.0, 5544.0, 5460.0, 5465.0, 5691.0, 5503.0, 5541.0, 5624.0, 5717.0, 5381.0, 5661.0, 5533.0, 5655.0, 5439.0, 5404.0, 5474.0, 5334.0, 5576.0, 5638.0, 5251.0, 5438.0, 5632.0, 5324.0, 5671.0, 5436.0, 5521.0, 5604.0, 5308.0, 5428.0, 5280.0, 5317.0, 5333.0, 5476.0, 5585.0, 5384.0, 5536.0, 5639.0, 5597.0, 5583.0, 5337.0 (number of hits: 16)
16	5290	9	1	333	1	5693.0, 5704.0, 5546.0, 5672.0, 5578.0, 5320.0, 5387.0, 5608.0, 5677.0, 5583.0, 5352.0, 5309.0, 5716.0, 5519.0, 5665.0, 5388.0, 5481.0, 5331.0, 5453.0, 5601.0, 5602.0, 5549.0, 5567.0, 5486.0, 5377.0, 5470.0, 5397.0, 5444.0, 5372.0, 5378.0, 5472.0, 5655.0, 5685.0, 5279.0, 5271.0, 5647.0, 5579.0, 5650.0, 5530.0, 5316.0, 5488.0, 5321.0, 5259.0, 5541.0, 5250.0, 5497.0, 5707.0, 5686.0, 5562.0, 5376.0, 5276.0, 5673.0, 5599.0, 5675.0, 5700.0, 5503.0, 5267.0, 5420.0, 5346.0, 5721.0, 5621.0, 5401.0, 5318.0, 5340.0, 5252.0, 5663.0, 5628.0, 5373.0, 5456.0, 5475.0, 5286.0, 5310.0, 5379.0, 5275.0, 5547.0, 5315.0, 5386.0, 5303.0, 5295.0, 5370.0, 5536.0, 5564.0, 5351.0, 5290.0, 5410.0, 5280.0, 5415.0, 5555.0, 5332.0, 5620.0, 5653.0, 5506.0, 5446.0, 5703.0, 5604.0, 5336.0, 5285.0, 5403.0, 5526.0, 5421.0 (number of hits: 21)
17	5290	9	1	333	1	5261.0, 5657.0, 5546.0, 5649.0, 5275.0, 5681.0, 5659.0, 5276.0, 5308.0, 5277.0, 5529.0, 5449.0, 5497.0, 5642.0, 5470.0, 5270.0, 5523.0, 5274.0, 5536.0, 5660.0, 5427.0, 5652.0, 5553.0, 5715.0, 5379.0, 5287.0, 5692.0, 5606.0, 5550.0, 5284.0, 5671.0, 5463.0, 5481.0, 5371.0, 5462.0, 5301.0, 5534.0, 5680.0, 5455.0, 5341.0, 5372.0, 5476.0, 5367.0, 5364.0, 5576.0, 5586.0, 5437.0, 5451.0, 5703.0, 5517.0, 5457.0, 5698.0, 5343.0, 5669.0, 5384.0, 5326.0, 5507.0, 5518.0, 5345.0, 5458.0,

						5521.0, 5614.0, 5634.0, 5351.0, 5704.0, 5609.0, 5620.0, 5439.0, 5570.0, 5568.0, 5416.0, 5519.0, 5467.0, 5334.0, 5483.0, 5610.0, 5253.0, 5531.0, 5292.0, 5304.0, 5706.0, 5503.0, 5272.0, 5544.0, 5410.0, 5305.0, 5394.0, 5354.0, 5273.0, 5686.0, 5459.0, 5590.0, 5361.0, 5578.0, 5577.0, 5712.0, 5490.0, 5387.0, 5329.0, 5655.0 (number of hits: 18)
18	5290	9	1	333	1	5269.0, 5645.0, 5371.0, 5280.0, 5379.0, 5295.0, 5267.0, 5610.0, 5664.0, 5600.0, 5418.0, 5272.0, 5395.0, 5496.0, 5410.0, 5656.0, 5353.0, 5306.0, 5716.0, 5448.0, 5331.0, 5432.0, 5589.0, 5284.0, 5604.0, 5282.0, 5330.0, 5682.0, 5703.0, 5462.0, 5281.0, 5278.0, 5548.0, 5597.0, 5521.0, 5400.0, 5286.0, 5579.0, 5481.0, 5554.0, 5712.0, 5587.0, 5503.0, 5684.0, 5407.0, 5363.0, 5382.0, 5494.0, 5706.0, 5405.0, 5324.0, 5517.0, 5305.0, 5594.0, 5666.0, 5438.0, 5338.0, 5342.0, 5357.0, 5323.0, 5378.0, 5573.0, 5710.0, 5420.0, 5644.0, 5463.0, 5456.0, 5653.0, 5421.0, 5300.0, 5412.0, 5638.0, 5511.0, 5389.0, 5445.0, 5409.0, 5590.0, 5613.0, 5262.0, 5705.0, 5501.0, 5351.0, 5433.0, 5283.0, 5411.0, 5699.0, 5617.0, 5347.0, 5572.0, 5436.0, 5468.0, 5263.0, 5620.0, 5520.0, 5361.0, 5304.0, 5466.0, 5290.0, 5544.0, 5354.0 (number of hits: 20)
19	5290	9	1	333	1	5671.0, 5558.0, 5484.0, 5687.0, 5723.0, 5704.0, 5320.0, 5314.0, 5579.0, 5296.0, 5391.0, 5394.0, 5315.0, 5536.0, 5658.0, 5617.0, 5323.0, 5570.0, 5582.0, 5528.0, 5599.0, 5712.0, 5711.0, 5399.0, 5438.0, 5532.0, 5425.0, 5281.0, 5539.0, 5489.0, 5700.0, 5397.0, 5308.0, 5673.0, 5529.0, 5346.0, 5286.0, 5634.0, 5524.0, 5526.0, 5588.0, 5632.0, 5557.0, 5393.0, 5581.0, 5626.0, 5420.0, 5689.0, 5458.0, 5690.0, 5321.0, 5388.0, 5488.0, 5637.0, 5501.0, 5625.0, 5565.0, 5452.0, 5591.0, 5316.0, 5719.0, 5293.0, 5261.0, 5703.0, 5379.0, 5344.0, 5435.0, 5348.0, 5517.0, 5598.0, 5444.0, 5456.0, 5628.0, 5305.0, 5580.0, 5667.0, 5538.0, 5709.0, 5594.0, 5636.0, 5542.0, 5278.0, 5441.0, 5284.0, 5674.0, 5272.0, 5381.0, 5307.0, 5619.0, 5478.0, 5460.0, 5577.0, 5339.0, 5290.0, 5631.0, 5349.0, 5254.0, 5672.0, 5352.0, 5513.0 (number of hits: 19)
20	5290	9	1	333	1	5483.0, 5602.0, 5499.0, 5375.0, 5329.0, 5487.0, 5515.0, 5679.0, 5637.0, 5713.0, 5591.0, 5293.0, 5683.0, 5631.0, 5431.0, 5530.0, 5570.0, 5321.0, 5640.0, 5328.0, 5660.0, 5351.0, 5540.0, 5335.0, 5519.0, 5598.0, 5262.0, 5289.0, 5569.0, 5440.0, 5714.0, 5295.0, 5283.0, 5424.0, 5361.0, 5341.0, 5659.0, 5371.0, 5354.0, 5673.0,

						5395.0, 5275.0, 5485.0, 5548.0, 5420.0, 5588.0, 5473.0, 5401.0, 5478.0, 5709.0, 5302.0, 5344.0, 5296.0, 5419.0, 5698.0, 5340.0, 5575.0, 5332.0, 5391.0, 5578.0, 5502.0, 5608.0, 5686.0, 5524.0, 5451.0, 5397.0, 5313.0, 5525.0, 5496.0, 5364.0, 5404.0, 5308.0, 5513.0, 5518.0, 5676.0, 5452.0, 5387.0, 5450.0, 5455.0, 5699.0, 5498.0, 5454.0, 5444.0, 5711.0, 5681.0, 5472.0, 5589.0, 5629.0, 5279.0, 5334.0, 5310.0, 5348.0, 5596.0, 5427.0, 5282.0, 5560.0, 5716.0, 5304.0, 5380.0, 5276.0 (number of hits: 18)
21	5290	9	1	333	1	5470.0, 5288.0, 5350.0, 5338.0, 5255.0, 5327.0, 5609.0, 5684.0, 5714.0, 5346.0, 5674.0, 5567.0, 5617.0, 5438.0, 5627.0, 5523.0, 5545.0, 5387.0, 5685.0, 5556.0, 5494.0, 5578.0, 5606.0, 5555.0, 5269.0, 5586.0, 5510.0, 5587.0, 5410.0, 5588.0, 5574.0, 5363.0, 5562.0, 5314.0, 5646.0, 5328.0, 5498.0, 5448.0, 5581.0, 5575.0, 5579.0, 5375.0, 5697.0, 5633.0, 5563.0, 5500.0, 5313.0, 5449.0, 5516.0, 5543.0, 5525.0, 5275.0, 5529.0, 5489.0, 5564.0, 5457.0, 5257.0, 5305.0, 5689.0, 5518.0, 5722.0, 5436.0, 5468.0, 5453.0, 5454.0, 5553.0, 5573.0, 5409.0, 5669.0, 5300.0, 5705.0, 5618.0, 5319.0, 5554.0, 5413.0, 5599.0, 5304.0, 5541.0, 5691.0, 5325.0, 5682.0, 5713.0, 5432.0, 5631.0, 5608.0, 5601.0, 5503.0, 5677.0, 5511.0, 5614.0, 5703.0, 5719.0, 5638.0, 5355.0, 5480.0, 5331.0, 5417.0, 5512.0, 5520.0, 5357.0 (number of hits: 14)
22	5290	9	1	333	1	5285.0, 5625.0, 5650.0, 5642.0, 5590.0, 5348.0, 5262.0, 5366.0, 5464.0, 5533.0, 5629.0, 5486.0, 5431.0, 5573.0, 5515.0, 5364.0, 5337.0, 5335.0, 5373.0, 5496.0, 5361.0, 5324.0, 5251.0, 5572.0, 5291.0, 5413.0, 5685.0, 5389.0, 5433.0, 5655.0, 5593.0, 5365.0, 5690.0, 5299.0, 5281.0, 5434.0, 5367.0, 5555.0, 5721.0, 5523.0, 5606.0, 5699.0, 5639.0, 5408.0, 5314.0, 5456.0, 5377.0, 5527.0, 5339.0, 5608.0, 5386.0, 5495.0, 5441.0, 5513.0, 5352.0, 5301.0, 5417.0, 5578.0, 5311.0, 5591.0, 5693.0, 5634.0, 5374.0, 5255.0, 5277.0, 5633.0, 5393.0, 5475.0, 5630.0, 5287.0, 5544.0, 5485.0, 5662.0, 5652.0, 5617.0, 5569.0, 5462.0, 5493.0, 5586.0, 5518.0, 5483.0, 5454.0, 5502.0, 5674.0, 5678.0, 5710.0, 5320.0, 5700.0, 5716.0, 5385.0, 5558.0, 5308.0, 5455.0, 5521.0, 5501.0, 5378.0, 5474.0, 5628.0, 5439.0, 5399.0 (number of hits: 15)
23	5290	9	1	333	1	5632.0, 5333.0, 5305.0, 5483.0, 5325.0, 5710.0, 5352.0, 5271.0, 5408.0, 5253.0, 5616.0, 5643.0, 5704.0, 5596.0, 5344.0, 5416.0, 5488.0, 5329.0, 5647.0, 5383.0,

						5634.0, 5401.0, 5268.0, 5567.0, 5601.0, 5546.0, 5448.0, 5658.0, 5699.0, 5714.0, 5544.0, 5449.0, 5442.0, 5362.0, 5559.0, 5425.0, 5316.0, 5397.0, 5363.0, 5403.0, 5482.0, 5556.0, 5360.0, 5697.0, 5537.0, 5445.0, 5676.0, 5318.0, 5379.0, 5700.0, 5321.0, 5629.0, 5543.0, 5331.0, 5663.0, 5667.0, 5419.0, 5541.0, 5469.0, 5388.0, 5308.0, 5314.0, 5675.0, 5649.0, 5453.0, 5269.0, 5272.0, 5524.0, 5668.0, 5585.0, 5592.0, 5256.0, 5278.0, 5350.0, 5551.0, 5611.0, 5557.0, 5310.0, 5297.0, 5452.0, 5366.0, 5330.0, 5652.0, 5406.0, 5319.0, 5539.0, 5687.0, 5365.0, 5503.0, 5337.0, 5683.0, 5654.0, 5618.0, 5621.0, 5597.0, 5523.0, 5346.0, 5359.0, 5300.0, 5343.0 (number of hits: 19)
24	5290	9	1	333	1	5454.0, 5724.0, 5514.0, 5594.0, 5548.0, 5483.0, 5267.0, 5487.0, 5525.0, 5341.0, 5674.0, 5591.0, 5481.0, 5645.0, 5707.0, 5261.0, 5543.0, 5688.0, 5393.0, 5406.0, 5327.0, 5280.0, 5256.0, 5355.0, 5257.0, 5533.0, 5528.0, 5356.0, 5368.0, 5444.0, 5353.0, 5675.0, 5555.0, 5635.0, 5276.0, 5477.0, 5722.0, 5513.0, 5582.0, 5504.0, 5636.0, 5473.0, 5544.0, 5576.0, 5278.0, 5336.0, 5630.0, 5469.0, 5434.0, 5631.0, 5512.0, 5328.0, 5644.0, 5587.0, 5695.0, 5470.0, 5661.0, 5564.0, 5431.0, 5263.0, 5452.0, 5673.0, 5657.0, 5558.0, 5621.0, 5326.0, 5701.0, 5401.0, 5632.0, 5639.0, 5332.0, 5408.0, 5486.0, 5496.0, 5467.0, 5532.0, 5302.0, 5700.0, 5706.0, 5592.0, 5523.0, 5710.0, 5683.0, 5708.0, 5258.0, 5711.0, 5436.0, 5637.0, 5693.0, 5572.0, 5671.0, 5478.0, 5442.0, 5287.0, 5516.0, 5418.0, 5669.0, 5702.0, 5537.0, 5704.0 (number of hits: 14)
25	5290	9	1	333	1	5679.0, 5652.0, 5631.0, 5359.0, 5289.0, 5698.0, 5536.0, 5296.0, 5649.0, 5553.0, 5628.0, 5426.0, 5576.0, 5580.0, 5452.0, 5626.0, 5591.0, 5558.0, 5274.0, 5616.0, 5595.0, 5490.0, 5491.0, 5715.0, 5459.0, 5556.0, 5663.0, 5329.0, 5286.0, 5532.0, 5460.0, 5673.0, 5578.0, 5569.0, 5345.0, 5364.0, 5428.0, 5697.0, 5385.0, 5260.0, 5541.0, 5368.0, 5312.0, 5506.0, 5700.0, 5604.0, 5577.0, 5350.0, 5671.0, 5540.0, 5327.0, 5408.0, 5619.0, 5337.0, 5624.0, 5285.0, 5623.0, 5641.0, 5688.0, 5658.0, 5496.0, 5586.0, 5382.0, 5719.0, 5637.0, 5365.0, 5557.0, 5448.0, 5324.0, 5572.0, 5654.0, 5407.0, 5433.0, 5605.0, 5295.0, 5311.0, 5587.0, 5681.0, 5468.0, 5250.0, 5650.0, 5338.0, 5598.0, 5703.0, 5507.0, 5653.0, 5573.0, 5659.0, 5694.0, 5383.0, 5396.0, 5550.0, 5600.0, 5400.0, 5665.0, 5284.0, 5321.0, 5562.0, 5469.0, 5342.0 (number of hits: 15)

26	5290	9	1	333	1	5387.0, 5515.0, 5471.0, 5312.0, 5478.0, 5723.0, 5632.0, 5698.0, 5676.0, 5463.0, 5395.0, 5403.0, 5469.0, 5675.0, 5272.0, 5595.0, 5307.0, 5297.0, 5397.0, 5594.0, 5362.0, 5457.0, 5350.0, 5591.0, 5695.0, 5600.0, 5398.0, 5680.0, 5705.0, 5298.0, 5487.0, 5408.0, 5560.0, 5574.0, 5366.0, 5517.0, 5614.0, 5677.0, 5429.0, 5636.0, 5615.0, 5566.0, 5458.0, 5621.0, 5598.0, 5608.0, 5565.0, 5562.0, 5665.0, 5542.0, 5357.0, 5659.0, 5578.0, 5353.0, 5652.0, 5711.0, 5521.0, 5374.0, 5274.0, 5339.0, 5364.0, 5481.0, 5282.0, 5529.0, 5416.0, 5400.0, 5558.0, 5571.0, 5648.0, 5476.0, 5449.0, 5484.0, 5412.0, 5694.0, 5519.0, 5440.0, 5691.0, 5603.0, 5629.0, 5634.0, 5486.0, 5611.0, 5620.0, 5273.0, 5380.0, 5438.0, 5720.0, 5575.0, 5536.0, 5452.0, 5564.0, 5607.0, 5707.0, 5414.0, 5328.0, 5360.0, 5379.0, 5441.0, 5301.0, 5378.0 (number of hits: 10)
27	5290	9	1	333	1	5439.0, 5714.0, 5699.0, 5607.0, 5327.0, 5256.0, 5332.0, 5640.0, 5481.0, 5457.0, 5441.0, 5312.0, 5590.0, 5542.0, 5307.0, 5646.0, 5275.0, 5662.0, 5523.0, 5338.0, 5563.0, 5631.0, 5544.0, 5672.0, 5401.0, 5407.0, 5552.0, 5398.0, 5389.0, 5553.0, 5446.0, 5587.0, 5514.0, 5315.0, 5647.0, 5416.0, 5365.0, 5659.0, 5720.0, 5494.0, 5334.0, 5475.0, 5383.0, 5467.0, 5489.0, 5519.0, 5663.0, 5585.0, 5437.0, 5719.0, 5596.0, 5546.0, 5462.0, 5612.0, 5268.0, 5618.0, 5534.0, 5545.0, 5445.0, 5593.0, 5296.0, 5645.0, 5316.0, 5677.0, 5395.0, 5609.0, 5428.0, 5380.0, 5411.0, 5314.0, 5408.0, 5490.0, 5600.0, 5491.0, 5364.0, 5330.0, 5393.0, 5572.0, 5644.0, 5322.0, 5614.0, 5409.0, 5575.0, 5484.0, 5722.0, 5723.0, 5342.0, 5588.0, 5410.0, 5353.0, 5302.0, 5480.0, 5391.0, 5629.0, 5495.0, 5713.0, 5281.0, 5690.0, 5649.0, 5452.0 (number of hits: 13)
28	5290	9	1	333	1	5711.0, 5520.0, 5325.0, 5494.0, 5662.0, 5374.0, 5637.0, 5503.0, 5303.0, 5451.0, 5659.0, 5302.0, 5279.0, 5664.0, 5681.0, 5515.0, 5559.0, 5549.0, 5365.0, 5463.0, 5454.0, 5642.0, 5690.0, 5558.0, 5537.0, 5334.0, 5459.0, 5413.0, 5585.0, 5282.0, 5458.0, 5516.0, 5500.0, 5724.0, 5612.0, 5691.0, 5546.0, 5697.0, 5677.0, 5509.0, 5562.0, 5701.0, 5548.0, 5422.0, 5533.0, 5297.0, 5366.0, 5432.0, 5645.0, 5670.0, 5362.0, 5370.0, 5264.0, 5347.0, 5615.0, 5641.0, 5280.0, 5342.0, 5656.0, 5375.0, 5405.0, 5695.0, 5288.0, 5524.0, 5373.0, 5262.0, 5491.0, 5600.0, 5319.0, 5381.0, 5707.0, 5702.0, 5669.0, 5265.0, 5598.0, 5529.0, 5416.0, 5605.0, 5473.0, 5626.0, 5609.0, 5392.0, 5588.0, 5448.0, 5704.0,

						5665.0, 5610.0, 5255.0, 5429.0, 5283.0, 5556.0, 5572.0, 5502.0, 5383.0, 5435.0, 5360.0, 5653.0, 5574.0, 5522.0, 5674.0 (number of hits: 14)
29	5290	9	1	333	1	5263.0, 5376.0, 5579.0, 5476.0, 5679.0, 5545.0, 5627.0, 5527.0, 5414.0, 5308.0, 5332.0, 5554.0, 5484.0, 5402.0, 5715.0, 5674.0, 5719.0, 5670.0, 5536.0, 5706.0, 5297.0, 5606.0, 5296.0, 5649.0, 5708.0, 5623.0, 5517.0, 5309.0, 5348.0, 5480.0, 5601.0, 5261.0, 5632.0, 5495.0, 5501.0, 5372.0, 5605.0, 5281.0, 5275.0, 5634.0, 5531.0, 5488.0, 5675.0, 5639.0, 5636.0, 5680.0, 5260.0, 5398.0, 5693.0, 5583.0, 5681.0, 5668.0, 5721.0, 5439.0, 5621.0, 5594.0, 5622.0, 5280.0, 5673.0, 5539.0, 5329.0, 5463.0, 5667.0, 5628.0, 5386.0, 5397.0, 5445.0, 5610.0, 5418.0, 5704.0, 5504.0, 5645.0, 5591.0, 5550.0, 5442.0, 5557.0, 5558.0, 5405.0, 5647.0, 5503.0, 5305.0, 5288.0, 5426.0, 5410.0, 5457.0, 5685.0, 5322.0, 5253.0, 5265.0, 5626.0, 5617.0, 5365.0, 5403.0, 5399.0, 5553.0, 5345.0, 5573.0, 5450.0, 5508.0, 5718.0 (number of hits: 16)
30	5290	9	1	333	1	5715.0, 5397.0, 5691.0, 5590.0, 5294.0, 5477.0, 5270.0, 5463.0, 5434.0, 5373.0, 5390.0, 5509.0, 5651.0, 5448.0, 5418.0, 5684.0, 5514.0, 5299.0, 5625.0, 5330.0, 5406.0, 5707.0, 5550.0, 5507.0, 5382.0, 5457.0, 5538.0, 5527.0, 5626.0, 5321.0, 5628.0, 5630.0, 5370.0, 5425.0, 5326.0, 5634.0, 5306.0, 5601.0, 5301.0, 5376.0, 5689.0, 5440.0, 5289.0, 5567.0, 5573.0, 5516.0, 5566.0, 5557.0, 5473.0, 5641.0, 5623.0, 5610.0, 5479.0, 5682.0, 5399.0, 5586.0, 5627.0, 5644.0, 5338.0, 5337.0, 5281.0, 5332.0, 5404.0, 5398.0, 5396.0, 5333.0, 5609.0, 5578.0, 5280.0, 5366.0, 5621.0, 5273.0, 5549.0, 5551.0, 5308.0, 5318.0, 5585.0, 5344.0, 5593.0, 5649.0, 5497.0, 5702.0, 5386.0, 5668.0, 5705.0, 5535.0, 5565.0, 5608.0, 5416.0, 5563.0, 5263.0, 5320.0, 5670.0, 5384.0, 5710.0, 5685.0, 5602.0, 5674.0, 5405.0, 5481.0 (number of hits: 15)

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	80.0 %	60%	Pass
Aggregate (Type1 to 4)	120	89.17 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5500 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	70	1	758	1
2	5500	89	1	598	1
3	5500	78	1	678	1
4	5500	76	1	698	1
5	5500	58	1	918	1
6	5490	81	1	658	1
7	5490	62	1	858	1
8	5490	95	1	558	1
9	5490	68	1	778	1
10	5490	83	1	638	1
11	5510	99	1	538	1
12	5510	63	1	838	1
13	5510	57	1	938	1
14	5510	92	1	578	1
15	5510	61	1	878	1
16	5500	19	1	2803	1
17	5500	32	1	1656	1
18	5500	21	1	2584	1
19	5500	32	1	1672	1
20	5500	21	1	2548	1
21	5490	46	1	1162	1
22	5490	64	1	833	1
23	5490	18	1	2942	1
24	5490	25	1	2163	1
25	5490	76	1	697	1
26	5510	20	1	2678	1
27	5510	21	1	2570	1
28	5510	88	1	603	1
29	5510	23	1	2351	1
30	5510	23	1	2315	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	23	4.8	193	1
2	5500	23	1.6	218	1
3	5500	25	1.3	172	1
4	5500	25	4.1	200	1
5	5500	29	4.9	198	1
6	5500	27	4.3	187	1
7	5500	27	3.1	186	1
8	5500	23	3.5	213	0
9	5500	23	4.6	164	1
10	5500	24	2.7	227	1
11	5490	27	2.5	159	1
12	5490	28	3.6	183	1
13	5490	25	4.8	226	1
14	5490	23	1.4	200	1
15	5490	23	3.8	156	1
16	5490	23	1.9	207	1
17	5490	26	1.4	221	1
18	5490	29	2.8	229	1
19	5490	23	1	177	1
20	5490	27	2.6	159	1
21	5510	26	2.6	222	1
22	5510	26	1.1	211	1
23	5510	24	1.7	224	1
24	5510	27	3.6	203	1
25	5510	29	3.7	199	0
26	5510	24	3	225	1
27	5510	28	4.2	182	1
28	5510	25	3.8	214	1
29	5510	23	2.6	202	1
30	5510	25	4.9	227	1
Detection Percentage: 93.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	17	9.2	397	1
2	5500	18	6.6	386	1
3	5500	18	7.6	447	0
4	5500	17	9.1	446	1
5	5500	18	9.1	220	1
6	5500	17	9.2	455	1
7	5500	17	7.5	461	1
8	5500	18	8.4	420	1
9	5500	16	9.8	459	1
10	5500	18	8.2	476	1
11	5490	18	9.6	366	1
12	5490	18	8.3	316	1
13	5490	18	8	469	1
14	5490	17	9.7	200	1
15	5490	16	8.9	404	1
16	5490	16	9.6	322	0
17	5490	16	7	265	0
18	5490	16	8.2	425	1
19	5490	18	7.6	371	1
20	5490	16	6.6	412	1
21	5510	16	8.8	244	1
22	5510	16	9.7	242	1
23	5510	16	7.6	410	1
24	5510	17	6	280	0
25	5510	17	7.6	307	0
26	5510	18	7.6	273	1
27	5510	18	7.4	417	1
28	5510	17	8.8	495	1
29	5510	16	6.3	253	1
30	5510	18	6.5	368	1
Detection Percentage: 83.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	16	17	477	1
2	5500	15	16.6	338	1
3	5500	14	14.9	386	1
4	5500	14	12.6	238	1
5	5500	13	16.7	316	1
6	5500	15	19.5	481	1
7	5500	12	14.3	413	1
8	5500	14	19.4	494	1
9	5500	15	12.6	417	1
10	5500	14	15.2	386	1
11	5490	14	14.4	237	1
12	5490	14	19.9	304	1
13	5490	12	17.1	315	0
14	5490	16	11.9	352	1
15	5490	12	15.1	297	1
16	5490	12	14.8	492	0
17	5490	14	11.9	471	1
18	5490	13	14	406	1
19	5490	13	15.4	208	1
20	5490	15	18.2	285	1
21	5510	15	18.6	261	1
22	5510	13	18.8	386	1
23	5510	14	15.7	316	0
24	5510	15	15.2	246	1
25	5510	13	12.2	401	0
26	5510	14	18.6	333	0
27	5510	16	15.1	484	1
28	5510	16	14	376	1
29	5510	13	19.1	454	0
30	5510	13	13.8	260	1
Detection Percentage: 80 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500	1
2	5500	1
3	5500	1
4	5500	1
5	5500	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5496.0	1
12	5496.0	1
13	5497.2	1
14	5493.6	1
15	5494.8	1
16	5497.6	1
17	5495.6	1
18	5497.2	1
19	5493.2	1
20	5496.4	1
21	5502.8	1
22	5504.0	1
23	5503.6	1
24	5503.6	1
25	5506.0	1
26	5506.4	1
27	5504.8	1
28	5502.0	1
29	5503.6	1
30	5506.0	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	1	12	50.3			0.471005	
1	3	12	84	1719	1733	1.291352	
2	1	12	51.6			2.414135	
3	1	12	75.9			2.795098	
4	3	12	72.9	1786	1690	3.982592	
5	2	12	92.5	1923		4.949831	
6	2	12	67	1377		5.645297	
7	2	12	59.4	1570		6.156719	1
8	1	12	62			7.346716	
9	1	12	66.5			7.969981	
10	3	12	98	1024	1270	9.377298	
11	2	12	87.9	1947		10.248997	
12	1	12	77.1			10.617317	
13	1	12	59.5			11.785787	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	78.9	1524		0.463135	
1	2	5	54.9	1255		1.400725	
2	1	5	75.7			1.609526	
3	2	5	50.4	1071		2.933708	
4	3	5	77.2	1572	1560	3.453297	
5	2	5	99.1	1911		4.59149	
6	2	5	80.1	1520		5.266927	
7	2	5	97	1688		5.867798	1
8	3	5	91.6	1827	1226	6.75438	
9	2	5	56	1366		7.553933	
10	2	5	86.3	1800		8.54322	
11	3	5	93.6	1945	1499	8.847746	
12	1	5	74			9.815543	
13	2	5	74.9	1046		10.563512	
14	3	5	77.4	1829	1164	11.275516	

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	67.1	1481	1220	0.131843	
1	2	7	81.3	1344		0.760874	
2	2	7	76.9	1882		1.537886	
3	2	7	83.8	1699		2.420796	
4	1	7	53.9			3.25835	
5	3	7	94.6	1246	1244	3.443459	
6	2	7	70.2	1835		4.318187	
7	2	7	90.7	1091		5.056355	
8	1	7	74.7			5.405242	
9	2	7	82.7	1406		6.22551	1
10	2	7	81.6	1981		7.300572	
11	3	7	99.2	1534	1197	7.854457	
12	1	7	70.9			8.531837	
13	2	7	70.9	1526		9.080975	
14	2	7	90.9	1784		9.903297	
15	2	7	91.9	1914		10.002766	
16	2	7	69.8	1471		10.884689	
17	2	7	79.7	1557		11.890272	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	77.7	1290	1217	0.654332	
1	3	11	70.3	1027	1689	1.131478	
2	3	11	76.1	1977	1154	1.335012	
3	2	11	58.8	1332		2.042841	
4	1	11	87.8			2.805804	
5	2	11	53.4	1275		3.881284	
6	1	11	78.3			4.594617	
7	2	11	79.2	1759		4.79102	
8	3	11	67.7	1581	1743	5.553857	
9	2	11	90.3	1236		6.661907	1
10	2	11	78.4	1052		6.692902	
11	1	11	86.2			7.688172	
12	2	11	87.8	1571		8.554141	
13	3	11	78.7	1003	1867	8.988764	
14	1	11	64.8			9.514157	
15	3	11	75.6	1825	1988	10.321567	
16	2	11	70.1	1220		10.829953	
17	3	11	51.9	1897	1958	11.792457	

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	70.7	1898		0.557167	
1	3	13	80.6	1800	1480	1.063824	
2	1	13	61.9			1.994014	
3	2	13	64.4	1543		2.655187	
4	1	13	82.8			4.171216	
5	2	13	85.2	1273		4.947284	
6	2	13	88.5	1590		5.193522	
7	1	13	52.3			6.145965	1
8	2	13	91.9	1215		7.643067	
9	1	13	75.9			8.479837	
10	2	13	78	1670		8.896369	
11	2	13	65.9	1093		9.475308	
12	3	13	95	1803	1679	10.522501	
13	3	13	95	1791	1105	11.727708	

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	95.9	1588		0.838233	
1	2	12	78.4	1097		1.272628	
2	2	12	61.6	1808		2.441622	
3	1	12	66.2			2.714672	
4	3	12	65.8	1911	1047	3.97882	
5	1	12	97.8			4.919782	
6	2	12	92.9	1367		5.389067	
7	2	12	70.9	1076		6.08266	1
8	2	12	61	1199		7.391459	
9	1	12	64.1			7.737267	
10	3	12	80.6	1270	1147	8.652671	
11	3	12	85.1	1381	1258	10.267427	
12	2	12	98.5	1718		10.975652	
13	2	12	84.4	1007		11.461581	

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	80.4	1072	1559	0.436678	
1	2	5	93.5	1741		0.695642	
2	2	5	78.3	1627		1.712979	
3	1	5	59.5			2.138192	
4	1	5	54.1			2.790215	
5	3	5	55.7	1099	1499	3.935433	
6	1	5	85.1			4.095381	
7	3	5	68.6	1893	1403	4.749512	
8	2	5	61.5	1385		5.79834	
9	3	5	61.8	1623	1614	6.085793	1
10	3	5	78.7	1773	1636	6.673622	
11	1	5	98.6			7.797463	
12	2	5	83.9	1272		8.46881	
13	2	5	56.5	1934		9.132377	
14	2	5	71.9	1907		9.958975	
15	1	5	81.7			10.006971	
16	1	5	78.2			10.968738	
17	3	5	99.4	1173	1321	11.945274	

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	5	73.7	1256		1.14929	
1	2	5	82.8	1436		1.51302	
2	1	5	95.5			2.70906	
3	3	5	57.4	1299	1023	3.709554	
4	2	5	97.1	1277		5.254611	
5	2	5	73.6	1586		7.144099	1
6	2	5	87.7	1602		7.337786	
7	2	5	67.7	1502		9.074751	
8	3	5	69.9	1491	1317	10.491306	
9	1	5	91.3			11.911985	

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	82.4	1658	1604	0.548792	
1	1	8	68.5			1.131157	
2	2	8	63.7	1287		2.046309	
3	1	8	95.5			3.10935	
4	2	8	59.8	1592		3.665711	
5	1	8	84.9			4.604685	
6	2	8	95.3	1089		5.160434	
7	1	8	92.9			5.666025	1
8	2	8	65	1754		6.495188	
9	2	8	65.6	1959		7.310035	
10	1	8	62.3			8.316232	
11	2	8	90.4	1236		9.238816	
12	2	8	51.4	1590		9.733713	
13	1	8	66.8			10.9836	
14	2	8	60.6	1969		11.352391	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	72.7	1228		0.512157	
1	2	10	97	1224		0.872354	
2	1	10	90.4			1.865427	
3	3	10	99.7	1537	1064	3.387177	
4	2	10	82.6	1399		3.523587	
5	3	10	96.2	1744	1015	4.989668	
6	3	10	84.2	1008	1511	5.251814	
7	3	10	88.6	1641	1329	6.164704	1
8	2	10	56.7	1694		7.705602	
9	2	10	80.7	1953		8.211642	
10	1	10	94.7			9.094919	
11	1	10	71.5			9.952522	
12	3	10	63.8	1421	1403	10.321212	
13	3	10	61.1	1729	1934	11.910028	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	88.5			0.460592	
1	1	15	83.1			1.147553	
2	2	15	86.3	1011		1.524384	
3	2	15	62.2	1308		2.176096	
4	2	15	50.1	1269		2.860936	
5	3	15	95.9	1394	1765	3.12408	
6	1	15	61.2			3.764611	
7	1	15	96			4.323472	
8	1	15	92.1			5.263917	
9	3	15	58.8	1531	1882	5.760908	1
10	2	15	73	1973		6.324798	
11	2	15	62.4	1651		6.915716	
12	3	15	86.4	1422	1719	7.278961	
13	1	15	58.3			8.261572	
14	2	15	75.4	1237		8.748554	
15	2	15	84.3	1891		9.137282	
16	2	15	81.8	1353		10.166312	
17	1	15	85.7			10.504955	
18	1	15	95.4			11.179996	
19	2	15	73.1	1286		11.907645	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	89.7			0.04446	
1	2	15	61.9	1945		1.689061	
2	3	15	83.6	1118	1286	2.961262	
3	2	15	82.4	1742		3.777416	
4	2	15	79.6	1117		4.277342	
5	2	15	53.4	1657		5.859081	
6	1	15	79.8			6.719472	1
7	2	15	90.2	1708		7.665169	
8	1	15	85.3			8.775288	
9	2	15	97	1894		9.01271	
10	3	15	53.3	1066	1014	10.300349	
11	1	15	56.4			11.96393	

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	96.9	1645		0.58564	
1	2	18	91.7	1930		1.021227	
2	2	18	60.1	1804		1.783515	
3	3	18	55.6	1428	1924	2.560431	
4	1	18	66.9			3.399996	
5	2	18	92.9	1447		4.03407	
6	3	18	99.9	1222	1693	4.284831	
7	3	18	79.3	1519	1004	5.152156	
8	1	18	98.4			5.906772	1
9	1	18	66.2			6.640581	
10	1	18	81.6			7.590978	
11	1	18	93.7			8.300706	
12	2	18	81.2	1254		8.642105	
13	3	18	53.6	1322	1749	9.247934	
14	3	18	93	1325	1369	10.20354	
15	2	18	51.7	1448		11.058463	
16	2	18	54.3	1969		11.861814	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	82.5	1886	1239	0.011313	
1	3	9	70.1	1225	1659	1.335669	
2	1	9	69.3			3.208299	
3	2	9	97.9	1364		3.455685	
4	2	9	68.3	1419		4.530163	
5	1	9	62.5			5.975411	1
6	3	9	88.5	1758	1795	7.011554	
7	3	9	73.7	1213	1387	8.296693	
8	1	9	84.9			9.07404	
9	1	9	63			10.612104	
10	2	9	85.8	1407		11.615472	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	85.8	1529		0.573514	
1	1	12	78.6			1.357972	
2	1	12	69.5			1.907349	
3	2	12	64	1217		2.704433	
4	2	12	55.5	1745		3.297669	
5	2	12	90.6	1115		4.242724	
6	3	12	51.5	1012	1549	5.132928	
7	2	12	88.4	1207		5.835914	
8	2	12	82.9	1133		6.203097	1
9	2	12	70.5	1467		7.212353	
10	2	12	92.7	1823		7.719195	
11	3	12	64.1	1449	1044	8.652087	
12	1	12	52.6			9.042347	
13	2	12	77.9	1734		9.761359	
14	1	12	97.6			10.643736	
15	2	12	86.4	1972		11.846957	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	92.4	1030		0.406055	
1	1	19	99.4			1.444857	
2	3	19	53.2	1967	1115	1.896336	
3	3	19	60.2	1640	1933	2.906323	
4	3	19	97.7	1859	1841	3.242336	
5	1	19	82.2			3.945022	
6	2	19	78.4	1540		4.737274	
7	1	19	72.1			5.290261	
8	2	19	95.1	1866		6.733453	1
9	1	19	81.9			6.926086	
10	1	19	83.5			7.850951	
11	2	19	57.3	1243		8.811058	
12	3	19	68.8	1264	1463	9.642315	
13	2	19	75.2	1515		10.27113	
14	2	19	88.2	1694		10.56343	
15	1	19	88			11.492873	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	73.4	1523		0.153816	
1	2	14	62.6	1395		1.242852	
2	2	14	92.5	1287		1.645821	
3	3	14	52.3	1307	1553	2.479431	
4	2	14	69.9	1202		3.043024	
5	2	14	60.4	1589		3.947972	
6	2	14	77.1	1474		4.46365	
7	2	14	98.7	1554		4.954	
8	1	14	77.6			5.640157	1
9	2	14	68.6	1679		6.27373	
10	2	14	57	1920		7.159942	
11	3	14	50.6	1743	1086	7.747101	
12	3	14	55.7	1298	1575	8.539268	
13	2	14	68.9	1769		8.82096	
14	2	14	84	1144		9.81175	
15	3	14	56.7	1806	1457	10.294616	
16	1	14	65.5			11.305849	
17	2	14	50.6	1462		11.956421	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	66.5			0.445252	
1	2	18	51.9	1254		1.903318	
2	2	18	76.3	1086		2.900437	
3	1	18	100			3.366506	
4	2	18	93.8	1210		4.391584	
5	2	18	98.2	1306		5.717371	1
6	3	18	78.1	1728	1813	7.496887	
7	1	18	81.2			8.607316	
8	1	18	86			9.705364	
9	2	18	56.6	1834		10.664614	
10	3	18	59	1875	1693	11.454221	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	66.9	1893	1295	0.089551	
1	2	8	97.5	1661		1.143035	
2	3	8	88.4	1440	1574	2.272964	
3	2	8	81.2	1450		2.618364	
4	2	8	61.9	1455		3.49499	
5	2	8	98	1316		4.545921	
6	2	8	67.1	1385		5.11223	
7	2	8	71.6	1642		6.010153	1
8	3	8	60.2	1259	1668	7.192841	
9	2	8	86.9	1994		7.671489	
10	3	8	97.6	1397	1822	8.019283	
11	2	8	73.1	1750		9.549201	
12	2	8	84.6	1092		9.656492	
13	2	8	97.5	1004		11.186477	
14	2	8	54	1072		11.222846	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	97.2	1965		0.04355	
1	2	16	70.6	1268		1.280448	
2	1	16	66.9			1.743324	
3	2	16	96.3	1143		2.357596	
4	2	16	62.4	1474		3.538996	
5	1	16	54.5			4.310086	
6	2	16	55.1	1804		5.018533	
7	1	16	88.6			5.869976	
8	1	16	99.8			6.448368	
9	2	16	73.4	1719		7.383089	1
10	2	16	63.2	1785		7.915867	
11	1	16	83.9			8.38819	
12	1	16	70.8			9.045722	
13	2	16	64.7	1720		10.231646	
14	1	16	77.3			11.160227	
15	2	16	76.4	1589		11.587979	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	95.3	1130		0.617368	
1	1	18	97.3			0.83774	
2	2	18	79.5	1016		1.651197	
3	1	18	70.2			2.44236	
4	2	18	58.5	1614		3.009574	
5	1	18	80.3			4.466663	
6	2	18	64.2	1612		5.145618	
7	2	18	84.1	1908		5.299658	1
8	2	18	60.6	1854		6.393319	
9	2	18	65.5	1202		7.106026	
10	2	18	67.5	1222		7.773745	
11	2	18	91.3	1152		8.352986	
12	1	18	52.9			9.341815	
13	3	18	95.2	1613	1327	9.823198	
14	2	18	77.7	1129		10.845438	
15	3	18	56.1	1613	1142	11.425789	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	59.2	1784		0.622966	
1	2	15	75.7	1408		2.137752	
2	3	15	73	1638	1792	3.156629	
3	3	15	89.5	1072	1006	4.156656	
4	1	15	55.4			5.333754	1
5	3	15	67.9	1109	1960	6.992788	
6	2	15	90.2	1623		8.092733	
7	3	15	85.3	1895	1079	9.711432	
8	3	15	66.5	1796	1016	11.826092	

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	77.8	1080		0.053451	
1	1	16	85.8			1.1345	
2	2	16	52.3	1672		1.545937	
3	1	16	51.9			2.756978	
4	3	16	57.4	1415	1117	3.742405	
5	2	16	78.4	1548		3.842412	
6	2	16	99.2	1065		5.143184	
7	3	16	57.2	1124	1083	5.600187	1
8	2	16	96	1187		6.543682	
9	1	16	58.2			7.217679	
10	3	16	89.6	1194	1173	7.517491	
11	2	16	82	1893		8.587047	
12	1	16	93.5			9.170954	
13	3	16	97.5	1263	1283	10.325034	
14	1	16	83			10.888918	
15	2	16	75.4	1818		11.888787	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	98.5	1889	1008	0.167076	
1	2	16	75.7	1803		0.683653	
2	3	16	85.8	1263	1611	1.337617	
3	3	16	76.2	1254	1507	2.34147	
4	2	16	70.6	1905		2.688207	
5	3	16	67.5	1442	1948	3.685519	
6	1	16	51.8			3.996722	
7	1	16	74.9			4.438921	
8	2	16	81.8	1825		5.099219	
9	2	16	79.3	1028		6.13994	1
10	2	16	60.4	1237		6.617005	
11	3	16	82.8	1943	1280	7.026449	
12	1	16	95.2			7.623795	
13	2	16	52.5	1911		8.550812	
14	1	16	87.9			8.947645	
15	2	16	85.3	1639		9.819789	
16	2	16	75.4	1112		10.301381	
17	2	16	86.6	1506		11.233644	
18	3	16	80.1	1491	1703	11.607395	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	99.5	1034		0.634592	
1	3	10	90.4	1102	1480	1.256244	
2	3	10	67.1	1089	1254	2.61173	
3	2	10	95.2	1657		3.243476	
4	2	10	55.7	1903		4.312703	
5	3	10	79.8	1858	1004	5.303265	
6	2	10	55.3	1714		6.116876	1
7	2	10	86.7	1480		6.603046	
8	3	10	96.8	1722	1093	8.22943	
9	3	10	69.4	1101	1913	8.945157	
10	2	10	55	1319		9.930004	
11	1	10	60.8			10.552156	
12	1	10	99			11.263717	

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	9	61.8	1590	1119	0.325714	
1	3	9	99.2	1504	1581	1.446517	
2	1	9	81.7			1.701079	
3	2	9	65.9	1507		2.999911	
4	3	9	86.6	1759	1203	3.816064	
5	2	9	50.5	1730		4.573128	
6	3	9	88.1	1806	1660	5.409471	
7	1	9	72.8			6.338584	1
8	1	9	53.2			7.006735	
9	3	9	60.6	1593	1866	7.438777	
10	3	9	62.9	1279	1818	8.016042	
11	2	9	68	1537		8.866436	
12	2	9	78.6	1531		9.962497	
13	3	9	74.6	1678	1019	11.116688	
14	1	9	77.4			11.71049	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	69.9	1062		0.45213	
1	1	13	97.5			1.185818	
2	2	13	98	1923		1.343505	
3	2	13	84.5	1083		2.248904	
4	3	13	76	1421	1405	2.478333	
5	2	13	84.5	1565		3.262278	
6	2	13	59	1603		3.876383	
7	2	13	67.7	1605		4.519519	
8	1	13	64.5			5.056848	
9	2	13	87.3	1202		5.574889	
10	2	13	88	1578		6.307977	1
11	2	13	72.7	1393		6.864086	
12	2	13	77.2	1815		7.485986	
13	1	13	90.1			8.258566	
14	1	13	55.3			8.668466	
15	2	13	89.4	1980		9.088671	
16	1	13	93.1			9.837085	
17	2	13	96.6	1820		10.552864	
18	1	13	86.6			11.047234	
19	2	13	87.9	1513		11.480651	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	85.9	1941		1.147709	
1	1	20	79.7			1.956134	
2	2	20	85.1	1549		3.148875	
3	2	20	90.7	1251		3.6118	
4	1	20	95			5.339685	
5	2	20	57.4	1813		6.328645	1
6	2	20	86	1079		7.761038	
7	2	20	81.4	1829		9.37714	
8	2	20	80	1449		10.026979	
9	2	20	57.9	1729		11.814849	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	90.7	1033	1681	0.447687	
1	2	16	54.7	1541		1.085721	
2	2	16	72.6	1239		2.512301	
3	1	16	66.7			3.516187	
4	3	16	82.9	1300	1108	4.386117	
5	1	16	56.4			4.667503	
6	2	16	58.7	1268		5.836112	1
7	1	16	69.7			6.902528	
8	3	16	79.6	1737	1046	8.101735	
9	1	16	78			8.792125	
10	3	16	70.8	1849	1866	10.098124	
11	3	16	93.5	1826	1514	10.406587	
12	3	16	68.1	1993	1174	11.182972	

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	51.7	1004		0.547367	
1	2	10	75.7	1656		1.156304	
2	2	10	92.6	1956		1.226786	
3	3	10	62	1520	1270	2.366073	
4	2	10	86	1033		2.567436	
5	1	10	67.8			3.299872	
6	1	10	70.2			4.140384	
7	3	10	88	1247	1308	4.437003	
8	3	10	65.1	1114	1322	5.257416	
9	3	10	78.8	1944	1924	5.870371	
10	2	10	82.5	1545		6.286444	1
11	3	10	59.6	1692	1404	7.078976	
12	3	10	86.8	1832	1239	7.399368	
13	2	10	81.8	1831		8.284265	
14	3	10	66.5	1091	1939	8.4049	
15	3	10	98.2	1274	1061	9.015232	
16	1	10	55.6			9.97463	
17	2	10	59.4	1508		10.371497	
18	2	10	86.3	1070		11.360903	
19	3	10	58.8	1952	1929	11.927656	

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	5611.0, 5371.0, 5666.0, 5410.0, 5450.0, 5280.0, 5460.0, 5381.0, 5565.0, 5506.0, 5375.0, 5398.0, 5368.0, 5645.0, 5391.0, 5537.0, 5431.0, 5263.0, 5504.0, 5553.0, 5302.0, 5378.0, 5516.0, 5570.0, 5606.0, 5658.0, 5403.0, 5339.0, 5674.0, 5654.0, 5584.0, 5522.0, 5308.0, 5524.0, 5321.0, 5319.0, 5502.0, 5429.0, 5695.0, 5488.0, 5668.0, 5288.0, 5646.0, 5684.0, 5690.0, 5463.0, 5636.0, 5478.0, 5552.0, 5264.0, 5591.0, 5496.0, 5462.0, 5533.0, 5467.0, 5369.0, 5400.0, 5573.0, 5265.0, 5295.0, 5452.0, 5271.0, 5535.0, 5441.0, 5499.0, 5387.0, 5473.0, 5407.0, 5617.0, 5342.0, 5485.0, 5404.0, 5338.0, 5401.0, 5313.0, 5711.0, 5341.0, 5507.0, 5272.0, 5273.0, 5281.0, 5262.0, 5253.0, 5475.0, 5287.0, 5655.0, 5251.0, 5438.0, 5464.0, 5514.0, 5268.0, 5274.0, 5468.0, 5399.0, 5595.0, 5285.0, 5405.0, 5374.0, 5653.0, 5675.0 (number of hits: 6)
2	5500	9	1	333	1	5512.0, 5279.0, 5458.0, 5630.0, 5425.0, 5281.0, 5712.0, 5687.0, 5679.0, 5410.0, 5553.0, 5351.0, 5262.0, 5401.0, 5592.0, 5597.0, 5469.0, 5435.0, 5313.0, 5341.0, 5387.0, 5431.0, 5452.0, 5498.0, 5397.0, 5668.0, 5375.0, 5621.0, 5515.0, 5462.0, 5657.0, 5427.0, 5265.0, 5421.0, 5598.0, 5480.0, 5384.0, 5501.0, 5484.0, 5311.0, 5474.0, 5277.0, 5582.0, 5436.0, 5300.0, 5405.0, 5587.0, 5561.0, 5440.0, 5535.0, 5534.0, 5461.0, 5426.0, 5600.0, 5282.0, 5527.0, 5566.0, 5722.0, 5662.0, 5389.0, 5449.0, 5642.0, 5423.0, 5525.0, 5365.0, 5318.0, 5325.0, 5496.0, 5703.0, 5324.0, 5416.0, 5641.0, 5269.0, 5506.0, 5338.0, 5322.0, 5539.0, 5709.0, 5608.0, 5528.0, 5374.0, 5307.0, 5666.0, 5562.0, 5254.0, 5680.0, 5303.0, 5293.0, 5669.0, 5589.0, 5688.0, 5586.0, 5451.0, 5715.0, 5603.0, 5352.0, 5383.0, 5653.0, 5289.0, 5559.0 (number of hits: 4)
3	5500	9	1	333	1	5700.0, 5333.0, 5651.0, 5435.0, 5355.0, 5354.0, 5473.0, 5399.0, 5368.0, 5432.0, 5570.0, 5332.0, 5551.0, 5358.0, 5295.0, 5599.0, 5334.0, 5351.0, 5555.0, 5597.0, 5532.0, 5514.0, 5304.0, 5258.0, 5320.0, 5416.0, 5538.0, 5686.0, 5544.0, 5605.0, 5281.0, 5385.0, 5341.0, 5493.0, 5586.0, 5704.0, 5582.0, 5698.0, 5430.0, 5516.0, 5515.0, 5438.0, 5638.0, 5633.0, 5452.0, 5425.0, 5415.0, 5313.0, 5365.0, 5661.0, 5300.0, 5670.0, 5693.0, 5255.0, 5356.0,

						5269.0, 5558.0, 5627.0, 5303.0, 5512.0, 5407.0, 5702.0, 5625.0, 5398.0, 5342.0, 5517.0, 5290.0, 5408.0, 5383.0, 5380.0, 5280.0, 5413.0, 5262.0, 5569.0, 5378.0, 5406.0, 5257.0, 5492.0, 5472.0, 5381.0, 5277.0, 5709.0, 5451.0, 5489.0, 5388.0, 5384.0, 5537.0, 5275.0, 5422.0, 5497.0, 5439.0, 5330.0, 5444.0, 5348.0, 5468.0, 5668.0, 5680.0, 5486.0, 5589.0, 5564.0 (number of hits: 3)
4	5500	9	1	333	1	5291.0, 5475.0, 5569.0, 5459.0, 5633.0, 5537.0, 5701.0, 5590.0, 5364.0, 5258.0, 5324.0, 5478.0, 5312.0, 5457.0, 5644.0, 5675.0, 5549.0, 5423.0, 5686.0, 5332.0, 5319.0, 5514.0, 5481.0, 5632.0, 5495.0, 5443.0, 5269.0, 5594.0, 5683.0, 5429.0, 5581.0, 5447.0, 5345.0, 5605.0, 5586.0, 5721.0, 5533.0, 5386.0, 5267.0, 5641.0, 5465.0, 5317.0, 5483.0, 5715.0, 5432.0, 5302.0, 5559.0, 5708.0, 5333.0, 5404.0, 5710.0, 5600.0, 5508.0, 5650.0, 5370.0, 5529.0, 5285.0, 5634.0, 5424.0, 5718.0, 5399.0, 5541.0, 5542.0, 5553.0, 5250.0, 5639.0, 5550.0, 5470.0, 5297.0, 5309.0, 5437.0, 5411.0, 5379.0, 5374.0, 5573.0, 5700.0, 5442.0, 5614.0, 5368.0, 5278.0, 5462.0, 5367.0, 5697.0, 5560.0, 5636.0, 5328.0, 5382.0, 5525.0, 5301.0, 5624.0, 5279.0, 5664.0, 5498.0, 5544.0, 5330.0, 5680.0, 5311.0, 5526.0, 5513.0, 5512.0 (number of hits: 3)
5	5500	9	1	333	1	5301.0, 5378.0, 5419.0, 5669.0, 5279.0, 5524.0, 5352.0, 5692.0, 5409.0, 5566.0, 5376.0, 5283.0, 5533.0, 5266.0, 5448.0, 5514.0, 5660.0, 5544.0, 5257.0, 5509.0, 5427.0, 5622.0, 5716.0, 5424.0, 5300.0, 5465.0, 5677.0, 5567.0, 5379.0, 5353.0, 5332.0, 5453.0, 5636.0, 5575.0, 5556.0, 5487.0, 5433.0, 5260.0, 5480.0, 5661.0, 5303.0, 5666.0, 5413.0, 5527.0, 5665.0, 5356.0, 5510.0, 5482.0, 5373.0, 5505.0, 5337.0, 5686.0, 5602.0, 5601.0, 5522.0, 5315.0, 5426.0, 5445.0, 5384.0, 5526.0, 5587.0, 5708.0, 5261.0, 5609.0, 5342.0, 5688.0, 5491.0, 5598.0, 5280.0, 5420.0, 5444.0, 5414.0, 5701.0, 5360.0, 5721.0, 5675.0, 5690.0, 5637.0, 5394.0, 5467.0, 5375.0, 5481.0, 5662.0, 5416.0, 5410.0, 5361.0, 5468.0, 5458.0, 5600.0, 5298.0, 5715.0, 5541.0, 5614.0, 5568.0, 5531.0, 5625.0, 5595.0, 5336.0, 5500.0, 5470.0 (number of hits: 4)
6	5500	9	1	333	1	5532.0, 5546.0, 5534.0, 5384.0, 5475.0, 5592.0, 5582.0, 5305.0, 5385.0, 5390.0, 5552.0, 5273.0, 5403.0, 5289.0, 5703.0, 5699.0, 5628.0, 5509.0, 5330.0, 5461.0, 5389.0, 5275.0, 5483.0, 5538.0, 5705.0, 5401.0, 5523.0, 5504.0, 5413.0, 5556.0, 5533.0, 5518.0, 5597.0, 5311.0, 5710.0,

						5382.0, 5482.0, 5601.0, 5580.0, 5352.0, 5675.0, 5660.0, 5470.0, 5322.0, 5521.0, 5335.0, 5588.0, 5653.0, 5460.0, 5253.0, 5349.0, 5717.0, 5454.0, 5524.0, 5578.0, 5561.0, 5621.0, 5446.0, 5635.0, 5640.0, 5337.0, 5516.0, 5477.0, 5347.0, 5586.0, 5495.0, 5631.0, 5643.0, 5450.0, 5659.0, 5652.0, 5472.0, 5451.0, 5512.0, 5604.0, 5372.0, 5439.0, 5609.0, 5676.0, 5351.0, 5262.0, 5656.0, 5492.0, 5553.0, 5463.0, 5510.0, 5425.0, 5261.0, 5642.0, 5687.0, 5539.0, 5721.0, 5619.0, 5364.0, 5579.0, 5284.0, 5723.0, 5363.0, 5478.0, 5369.0 (number of hits: 4)
7	5500	9	1	333	1	5594.0, 5691.0, 5436.0, 5662.0, 5635.0, 5260.0, 5668.0, 5625.0, 5421.0, 5519.0, 5376.0, 5688.0, 5309.0, 5678.0, 5522.0, 5539.0, 5250.0, 5255.0, 5289.0, 5608.0, 5558.0, 5587.0, 5302.0, 5703.0, 5412.0, 5526.0, 5491.0, 5428.0, 5627.0, 5377.0, 5448.0, 5645.0, 5470.0, 5378.0, 5687.0, 5280.0, 5344.0, 5507.0, 5394.0, 5543.0, 5650.0, 5633.0, 5482.0, 5567.0, 5351.0, 5714.0, 5343.0, 5480.0, 5297.0, 5336.0, 5380.0, 5455.0, 5578.0, 5403.0, 5561.0, 5605.0, 5347.0, 5514.0, 5352.0, 5420.0, 5533.0, 5515.0, 5443.0, 5342.0, 5440.0, 5454.0, 5683.0, 5437.0, 5321.0, 5407.0, 5508.0, 5537.0, 5323.0, 5512.0, 5456.0, 5570.0, 5449.0, 5708.0, 5498.0, 5616.0, 5382.0, 5397.0, 5684.0, 5501.0, 5622.0, 5529.0, 5707.0, 5318.0, 5367.0, 5624.0, 5495.0, 5675.0, 5631.0, 5434.0, 5636.0, 5284.0, 5581.0, 5551.0, 5598.0, 5355.0 (number of hits: 6)
8	5500	9	1	333	1	5689.0, 5708.0, 5585.0, 5342.0, 5591.0, 5563.0, 5589.0, 5467.0, 5656.0, 5437.0, 5654.0, 5303.0, 5304.0, 5695.0, 5517.0, 5306.0, 5491.0, 5478.0, 5397.0, 5271.0, 5290.0, 5530.0, 5691.0, 5412.0, 5544.0, 5364.0, 5637.0, 5626.0, 5400.0, 5681.0, 5461.0, 5406.0, 5292.0, 5713.0, 5459.0, 5436.0, 5310.0, 5590.0, 5441.0, 5455.0, 5280.0, 5362.0, 5274.0, 5696.0, 5251.0, 5276.0, 5346.0, 5660.0, 5309.0, 5471.0, 5325.0, 5286.0, 5296.0, 5566.0, 5440.0, 5480.0, 5598.0, 5558.0, 5509.0, 5429.0, 5255.0, 5387.0, 5452.0, 5672.0, 5425.0, 5602.0, 5617.0, 5499.0, 5525.0, 5295.0, 5423.0, 5651.0, 5470.0, 5496.0, 5567.0, 5675.0, 5513.0, 5490.0, 5453.0, 5565.0, 5701.0, 5506.0, 5562.0, 5273.0, 5369.0, 5301.0, 5716.0, 5643.0, 5670.0, 5664.0, 5679.0, 5407.0, 5266.0, 5377.0, 5692.0, 5699.0, 5328.0, 5317.0, 5341.0, 5263.0 (number of hits: 6)
9	5500	9	1	333	1	5387.0, 5440.0, 5661.0, 5570.0, 5473.0, 5365.0, 5332.0, 5289.0, 5276.0, 5389.0, 5383.0, 5275.0, 5689.0, 5587.0, 5431.0,

						5569.0, 5591.0, 5266.0, 5704.0, 5500.0, 5357.0, 5532.0, 5408.0, 5360.0, 5526.0, 5513.0, 5517.0, 5647.0, 5562.0, 5308.0, 5564.0, 5258.0, 5643.0, 5640.0, 5437.0, 5686.0, 5401.0, 5711.0, 5723.0, 5550.0, 5642.0, 5646.0, 5344.0, 5629.0, 5406.0, 5707.0, 5583.0, 5296.0, 5495.0, 5368.0, 5580.0, 5413.0, 5498.0, 5418.0, 5507.0, 5651.0, 5594.0, 5717.0, 5544.0, 5695.0, 5311.0, 5457.0, 5346.0, 5263.0, 5334.0, 5567.0, 5333.0, 5472.0, 5676.0, 5493.0, 5720.0, 5262.0, 5668.0, 5482.0, 5301.0, 5352.0, 5519.0, 5292.0, 5679.0, 5300.0, 5657.0, 5444.0, 5439.0, 5716.0, 5625.0, 5690.0, 5684.0, 5361.0, 5639.0, 5706.0, 5503.0, 5624.0, 5327.0, 5678.0, 5558.0, 5645.0, 5548.0, 5403.0, 5566.0, 5329.0 (number of hits: 6)
10	5500	9	1	333	1	5321.0, 5538.0, 5445.0, 5436.0, 5561.0, 5357.0, 5578.0, 5485.0, 5400.0, 5601.0, 5569.0, 5397.0, 5639.0, 5294.0, 5554.0, 5386.0, 5336.0, 5345.0, 5679.0, 5604.0, 5669.0, 5629.0, 5597.0, 5267.0, 5658.0, 5360.0, 5338.0, 5423.0, 5315.0, 5475.0, 5444.0, 5712.0, 5304.0, 5541.0, 5642.0, 5511.0, 5339.0, 5297.0, 5594.0, 5550.0, 5532.0, 5352.0, 5563.0, 5715.0, 5456.0, 5467.0, 5382.0, 5614.0, 5341.0, 5496.0, 5502.0, 5581.0, 5407.0, 5716.0, 5476.0, 5680.0, 5590.0, 5440.0, 5612.0, 5438.0, 5611.0, 5459.0, 5523.0, 5411.0, 5359.0, 5625.0, 5711.0, 5344.0, 5522.0, 5406.0, 5686.0, 5708.0, 5376.0, 5630.0, 5298.0, 5570.0, 5691.0, 5268.0, 5398.0, 5370.0, 5256.0, 5583.0, 5672.0, 5506.0, 5430.0, 5310.0, 5327.0, 5648.0, 5685.0, 5478.0, 5250.0, 5453.0, 5463.0, 5662.0, 5372.0, 5599.0, 5537.0, 5575.0, 5633.0, 5493.0 (number of hits: 4)
11	5500	9	1	333	1	5270.0, 5569.0, 5413.0, 5602.0, 5465.0, 5573.0, 5323.0, 5286.0, 5574.0, 5273.0, 5524.0, 5425.0, 5658.0, 5365.0, 5300.0, 5698.0, 5685.0, 5288.0, 5542.0, 5377.0, 5668.0, 5627.0, 5260.0, 5612.0, 5677.0, 5395.0, 5431.0, 5409.0, 5576.0, 5476.0, 5715.0, 5544.0, 5661.0, 5272.0, 5352.0, 5422.0, 5613.0, 5537.0, 5619.0, 5711.0, 5557.0, 5509.0, 5526.0, 5582.0, 5489.0, 5408.0, 5282.0, 5640.0, 5442.0, 5597.0, 5517.0, 5375.0, 5522.0, 5694.0, 5460.0, 5387.0, 5653.0, 5415.0, 5336.0, 5455.0, 5551.0, 5577.0, 5623.0, 5516.0, 5531.0, 5631.0, 5717.0, 5269.0, 5383.0, 5659.0, 5373.0, 5712.0, 5530.0, 5281.0, 5523.0, 5385.0, 5496.0, 5410.0, 5505.0, 5630.0, 5268.0, 5419.0, 5590.0, 5547.0, 5271.0, 5670.0, 5440.0, 5470.0, 5397.0, 5647.0, 5446.0, 5491.0, 5697.0, 5277.0, 5493.0, 5566.0, 5448.0, 5364.0, 5331.0, 5665.0

						(number of hits: 5)
12	5500	9	1	333	1	5704.0, 5547.0, 5454.0, 5329.0, 5641.0, 5535.0, 5383.0, 5635.0, 5574.0, 5596.0, 5703.0, 5687.0, 5569.0, 5589.0, 5436.0, 5348.0, 5262.0, 5267.0, 5573.0, 5695.0, 5272.0, 5481.0, 5512.0, 5599.0, 5700.0, 5714.0, 5320.0, 5717.0, 5652.0, 5644.0, 5657.0, 5325.0, 5315.0, 5390.0, 5396.0, 5669.0, 5387.0, 5480.0, 5600.0, 5627.0, 5505.0, 5327.0, 5404.0, 5412.0, 5275.0, 5270.0, 5651.0, 5380.0, 5683.0, 5572.0, 5411.0, 5707.0, 5623.0, 5677.0, 5260.0, 5384.0, 5713.0, 5688.0, 5638.0, 5295.0, 5696.0, 5354.0, 5694.0, 5693.0, 5321.0, 5642.0, 5701.0, 5552.0, 5486.0, 5330.0, 5450.0, 5550.0, 5649.0, 5614.0, 5345.0, 5349.0, 5686.0, 5309.0, 5658.0, 5668.0, 5447.0, 5551.0, 5357.0, 5372.0, 5722.0, 5417.0, 5376.0, 5360.0, 5373.0, 5626.0, 5266.0, 5489.0, 5410.0, 5461.0, 5392.0, 5263.0, 5463.0, 5467.0, 5339.0, 5402.0
						(number of hits: 1)
13	5500	9	1	333	1	5616.0, 5634.0, 5432.0, 5420.0, 5298.0, 5320.0, 5684.0, 5681.0, 5575.0, 5582.0, 5452.0, 5602.0, 5653.0, 5538.0, 5648.0, 5639.0, 5483.0, 5514.0, 5652.0, 5547.0, 5263.0, 5330.0, 5283.0, 5352.0, 5350.0, 5678.0, 5297.0, 5618.0, 5636.0, 5638.0, 5270.0, 5447.0, 5572.0, 5440.0, 5454.0, 5495.0, 5311.0, 5687.0, 5310.0, 5477.0, 5357.0, 5284.0, 5333.0, 5706.0, 5466.0, 5679.0, 5722.0, 5589.0, 5384.0, 5628.0, 5372.0, 5359.0, 5268.0, 5721.0, 5469.0, 5601.0, 5370.0, 5488.0, 5637.0, 5319.0, 5549.0, 5478.0, 5592.0, 5544.0, 5577.0, 5712.0, 5552.0, 5292.0, 5427.0, 5434.0, 5507.0, 5398.0, 5456.0, 5410.0, 5389.0, 5364.0, 5317.0, 5302.0, 5340.0, 5670.0, 5617.0, 5414.0, 5685.0, 5491.0, 5262.0, 5437.0, 5404.0, 5641.0, 5496.0, 5479.0, 5603.0, 5326.0, 5548.0, 5314.0, 5578.0, 5533.0, 5281.0, 5508.0, 5620.0, 5395.0
						(number of hits: 5)
14	5500	9	1	333	1	5616.0, 5484.0, 5611.0, 5524.0, 5292.0, 5619.0, 5546.0, 5476.0, 5577.0, 5436.0, 5430.0, 5369.0, 5319.0, 5509.0, 5671.0, 5674.0, 5497.0, 5578.0, 5321.0, 5493.0, 5634.0, 5472.0, 5530.0, 5675.0, 5694.0, 5573.0, 5648.0, 5399.0, 5274.0, 5269.0, 5308.0, 5342.0, 5579.0, 5284.0, 5393.0, 5593.0, 5585.0, 5461.0, 5304.0, 5649.0, 5483.0, 5638.0, 5518.0, 5413.0, 5432.0, 5468.0, 5511.0, 5590.0, 5317.0, 5618.0, 5676.0, 5693.0, 5644.0, 5403.0, 5660.0, 5328.0, 5295.0, 5287.0, 5536.0, 5437.0, 5541.0, 5552.0, 5705.0, 5646.0, 5688.0, 5254.0, 5450.0, 5692.0, 5586.0, 5499.0, 5663.0, 5697.0, 5485.0, 5502.0, 5300.0, 5589.0, 5513.0, 5323.0, 5633.0, 5290.0,

						5548.0, 5612.0, 5333.0, 5550.0, 5603.0, 5434.0, 5630.0, 5429.0, 5567.0, 5654.0, 5380.0, 5656.0, 5361.0, 5383.0, 5695.0, 5322.0, 5679.0, 5479.0, 5594.0, 5301.0 (number of hits: 5)
15	5500	9	1	333	1	5258.0, 5343.0, 5436.0, 5603.0, 5457.0, 5712.0, 5306.0, 5487.0, 5430.0, 5609.0, 5694.0, 5561.0, 5257.0, 5304.0, 5360.0, 5335.0, 5619.0, 5377.0, 5530.0, 5612.0, 5587.0, 5401.0, 5581.0, 5428.0, 5636.0, 5366.0, 5427.0, 5250.0, 5278.0, 5262.0, 5626.0, 5345.0, 5338.0, 5469.0, 5482.0, 5463.0, 5648.0, 5486.0, 5379.0, 5708.0, 5513.0, 5291.0, 5378.0, 5348.0, 5721.0, 5425.0, 5704.0, 5641.0, 5515.0, 5642.0, 5598.0, 5259.0, 5460.0, 5384.0, 5324.0, 5400.0, 5331.0, 5383.0, 5563.0, 5505.0, 5394.0, 5471.0, 5285.0, 5311.0, 5410.0, 5415.0, 5342.0, 5601.0, 5264.0, 5442.0, 5327.0, 5633.0, 5545.0, 5517.0, 5674.0, 5701.0, 5604.0, 5691.0, 5546.0, 5681.0, 5572.0, 5657.0, 5452.0, 5433.0, 5562.0, 5406.0, 5541.0, 5254.0, 5269.0, 5283.0, 5662.0, 5328.0, 5396.0, 5500.0, 5481.0, 5713.0, 5675.0, 5511.0, 5337.0, 5302.0 (number of hits: 2)
16	5500	9	1	333	1	5538.0, 5623.0, 5448.0, 5656.0, 5593.0, 5482.0, 5394.0, 5423.0, 5635.0, 5359.0, 5388.0, 5290.0, 5520.0, 5648.0, 5619.0, 5369.0, 5599.0, 5588.0, 5416.0, 5451.0, 5644.0, 5325.0, 5504.0, 5347.0, 5544.0, 5271.0, 5570.0, 5542.0, 5718.0, 5646.0, 5397.0, 5427.0, 5492.0, 5439.0, 5583.0, 5294.0, 5561.0, 5663.0, 5607.0, 5372.0, 5586.0, 5550.0, 5378.0, 5404.0, 5716.0, 5401.0, 5707.0, 5640.0, 5257.0, 5255.0, 5291.0, 5463.0, 5421.0, 5280.0, 5440.0, 5283.0, 5281.0, 5375.0, 5677.0, 5600.0, 5524.0, 5405.0, 5315.0, 5508.0, 5265.0, 5422.0, 5338.0, 5297.0, 5308.0, 5595.0, 5411.0, 5356.0, 5346.0, 5576.0, 5574.0, 5312.0, 5612.0, 5368.0, 5435.0, 5568.0, 5472.0, 5403.0, 5350.0, 5321.0, 5708.0, 5721.0, 5480.0, 5415.0, 5381.0, 5506.0, 5432.0, 5638.0, 5316.0, 5606.0, 5329.0, 5383.0, 5503.0, 5285.0, 5562.0, 5386.0 (number of hits: 5)
17	5500	9	1	333	1	5467.0, 5651.0, 5722.0, 5283.0, 5685.0, 5423.0, 5547.0, 5403.0, 5278.0, 5483.0, 5631.0, 5641.0, 5542.0, 5436.0, 5410.0, 5458.0, 5302.0, 5411.0, 5479.0, 5528.0, 5598.0, 5653.0, 5586.0, 5392.0, 5367.0, 5656.0, 5446.0, 5304.0, 5675.0, 5527.0, 5254.0, 5471.0, 5680.0, 5389.0, 5400.0, 5306.0, 5438.0, 5447.0, 5415.0, 5359.0, 5703.0, 5450.0, 5349.0, 5379.0, 5476.0, 5312.0, 5294.0, 5647.0, 5291.0, 5721.0, 5619.0, 5652.0, 5339.0, 5696.0, 5602.0, 5368.0, 5395.0, 5276.0, 5343.0, 5694.0,

						5488.0, 5533.0, 5611.0, 5439.0, 5487.0, 5557.0, 5566.0, 5453.0, 5630.0, 5497.0, 5562.0, 5432.0, 5605.0, 5408.0, 5706.0, 5701.0, 5263.0, 5643.0, 5610.0, 5329.0, 5691.0, 5314.0, 5279.0, 5360.0, 5521.0, 5553.0, 5459.0, 5346.0, 5541.0, 5474.0, 5572.0, 5568.0, 5495.0, 5475.0, 5429.0, 5265.0, 5663.0, 5556.0, 5594.0, 5538.0 (number of hits: 2)
18	5500	9	1	333	1	5268.0, 5534.0, 5372.0, 5709.0, 5719.0, 5552.0, 5348.0, 5371.0, 5350.0, 5491.0, 5654.0, 5711.0, 5569.0, 5551.0, 5442.0, 5690.0, 5385.0, 5556.0, 5596.0, 5321.0, 5383.0, 5324.0, 5638.0, 5360.0, 5502.0, 5566.0, 5701.0, 5263.0, 5697.0, 5326.0, 5436.0, 5664.0, 5674.0, 5602.0, 5299.0, 5282.0, 5252.0, 5580.0, 5355.0, 5267.0, 5311.0, 5424.0, 5578.0, 5445.0, 5548.0, 5479.0, 5482.0, 5547.0, 5510.0, 5259.0, 5676.0, 5582.0, 5669.0, 5390.0, 5331.0, 5258.0, 5276.0, 5699.0, 5498.0, 5279.0, 5423.0, 5413.0, 5430.0, 5351.0, 5495.0, 5387.0, 5604.0, 5671.0, 5533.0, 5270.0, 5635.0, 5704.0, 5661.0, 5675.0, 5630.0, 5435.0, 5410.0, 5362.0, 5603.0, 5315.0, 5438.0, 5441.0, 5642.0, 5696.0, 5652.0, 5474.0, 5338.0, 5370.0, 5369.0, 5458.0, 5538.0, 5322.0, 5598.0, 5400.0, 5275.0, 5460.0, 5689.0, 5264.0, 5650.0, 5683.0 (number of hits: 4)
19	5500	9	1	333	1	5608.0, 5641.0, 5467.0, 5465.0, 5260.0, 5574.0, 5364.0, 5482.0, 5716.0, 5395.0, 5694.0, 5368.0, 5290.0, 5623.0, 5630.0, 5332.0, 5591.0, 5451.0, 5614.0, 5329.0, 5545.0, 5435.0, 5366.0, 5647.0, 5671.0, 5652.0, 5664.0, 5687.0, 5433.0, 5636.0, 5270.0, 5289.0, 5310.0, 5336.0, 5403.0, 5264.0, 5706.0, 5512.0, 5560.0, 5681.0, 5354.0, 5294.0, 5561.0, 5642.0, 5563.0, 5510.0, 5587.0, 5319.0, 5523.0, 5490.0, 5658.0, 5549.0, 5503.0, 5415.0, 5683.0, 5419.0, 5585.0, 5317.0, 5358.0, 5485.0, 5447.0, 5333.0, 5511.0, 5307.0, 5287.0, 5475.0, 5520.0, 5615.0, 5537.0, 5618.0, 5709.0, 5581.0, 5349.0, 5638.0, 5322.0, 5645.0, 5431.0, 5254.0, 5553.0, 5405.0, 5350.0, 5721.0, 5479.0, 5304.0, 5328.0, 5637.0, 5445.0, 5421.0, 5355.0, 5357.0, 5527.0, 5552.0, 5292.0, 5601.0, 5428.0, 5342.0, 5293.0, 5592.0, 5541.0, 5604.0 (number of hits: 2)
20	5500	9	1	333	1	5555.0, 5282.0, 5334.0, 5412.0, 5573.0, 5312.0, 5613.0, 5693.0, 5258.0, 5479.0, 5444.0, 5631.0, 5557.0, 5323.0, 5483.0, 5350.0, 5546.0, 5561.0, 5516.0, 5622.0, 5326.0, 5495.0, 5420.0, 5678.0, 5271.0, 5644.0, 5416.0, 5440.0, 5610.0, 5434.0, 5562.0, 5325.0, 5507.0, 5493.0, 5721.0, 5659.0, 5442.0, 5455.0, 5270.0, 5340.0,

						5551.0, 5481.0, 5475.0, 5518.0, 5419.0, 5520.0, 5396.0, 5684.0, 5591.0, 5256.0, 5590.0, 5536.0, 5664.0, 5698.0, 5570.0, 5602.0, 5411.0, 5686.0, 5484.0, 5346.0, 5675.0, 5335.0, 5665.0, 5697.0, 5306.0, 5498.0, 5596.0, 5720.0, 5355.0, 5642.0, 5462.0, 5366.0, 5550.0, 5277.0, 5600.0, 5352.0, 5391.0, 5446.0, 5331.0, 5441.0, 5651.0, 5424.0, 5656.0, 5595.0, 5373.0, 5658.0, 5453.0, 5560.0, 5381.0, 5397.0, 5491.0, 5552.0, 5502.0, 5313.0, 5344.0, 5640.0, 5501.0, 5429.0, 5648.0, 5364.0 (number of hits: 7)
21	5500	9	1	333	1	5379.0, 5698.0, 5542.0, 5571.0, 5717.0, 5499.0, 5684.0, 5411.0, 5336.0, 5398.0, 5372.0, 5327.0, 5652.0, 5527.0, 5435.0, 5612.0, 5483.0, 5641.0, 5273.0, 5513.0, 5484.0, 5690.0, 5627.0, 5590.0, 5672.0, 5284.0, 5262.0, 5510.0, 5264.0, 5579.0, 5593.0, 5376.0, 5553.0, 5496.0, 5299.0, 5576.0, 5490.0, 5518.0, 5332.0, 5656.0, 5425.0, 5614.0, 5385.0, 5583.0, 5255.0, 5704.0, 5508.0, 5276.0, 5587.0, 5472.0, 5715.0, 5554.0, 5578.0, 5307.0, 5723.0, 5509.0, 5471.0, 5713.0, 5697.0, 5304.0, 5540.0, 5394.0, 5625.0, 5400.0, 5419.0, 5665.0, 5250.0, 5319.0, 5322.0, 5682.0, 5551.0, 5418.0, 5721.0, 5430.0, 5561.0, 5628.0, 5314.0, 5689.0, 5329.0, 5546.0, 5455.0, 5331.0, 5429.0, 5431.0, 5478.0, 5653.0, 5253.0, 5584.0, 5678.0, 5373.0, 5602.0, 5719.0, 5349.0, 5443.0, 5387.0, 5676.0, 5661.0, 5489.0, 5279.0, 5559.0 (number of hits: 5)
22	5500	9	1	333	1	5259.0, 5447.0, 5559.0, 5273.0, 5346.0, 5679.0, 5588.0, 5331.0, 5659.0, 5262.0, 5596.0, 5525.0, 5648.0, 5700.0, 5640.0, 5383.0, 5598.0, 5394.0, 5391.0, 5428.0, 5306.0, 5444.0, 5437.0, 5616.0, 5380.0, 5560.0, 5317.0, 5675.0, 5540.0, 5548.0, 5594.0, 5677.0, 5258.0, 5442.0, 5718.0, 5413.0, 5261.0, 5469.0, 5589.0, 5644.0, 5499.0, 5389.0, 5478.0, 5461.0, 5410.0, 5545.0, 5624.0, 5575.0, 5612.0, 5523.0, 5623.0, 5611.0, 5653.0, 5351.0, 5419.0, 5664.0, 5307.0, 5668.0, 5271.0, 5392.0, 5590.0, 5325.0, 5684.0, 5355.0, 5606.0, 5256.0, 5264.0, 5398.0, 5702.0, 5620.0, 5597.0, 5593.0, 5364.0, 5477.0, 5693.0, 5404.0, 5284.0, 5341.0, 5365.0, 5453.0, 5572.0, 5581.0, 5470.0, 5405.0, 5281.0, 5359.0, 5266.0, 5352.0, 5553.0, 5440.0, 5362.0, 5720.0, 5518.0, 5338.0, 5403.0, 5642.0, 5257.0, 5555.0, 5369.0, 5418.0 (number of hits: 1)
23	5500	9	1	333	1	5636.0, 5369.0, 5490.0, 5416.0, 5609.0, 5531.0, 5646.0, 5352.0, 5548.0, 5682.0, 5658.0, 5555.0, 5705.0, 5526.0, 5370.0, 5314.0, 5606.0, 5463.0, 5302.0, 5703.0,

						5258.0, 5387.0, 5263.0, 5694.0, 5269.0, 5510.0, 5497.0, 5620.0, 5466.0, 5323.0, 5475.0, 5404.0, 5452.0, 5493.0, 5572.0, 5578.0, 5414.0, 5347.0, 5290.0, 5496.0, 5261.0, 5383.0, 5549.0, 5394.0, 5647.0, 5721.0, 5279.0, 5483.0, 5710.0, 5296.0, 5487.0, 5657.0, 5401.0, 5349.0, 5412.0, 5715.0, 5645.0, 5259.0, 5303.0, 5485.0, 5514.0, 5672.0, 5447.0, 5328.0, 5716.0, 5619.0, 5331.0, 5583.0, 5366.0, 5321.0, 5612.0, 5481.0, 5581.0, 5341.0, 5442.0, 5563.0, 5294.0, 5661.0, 5513.0, 5488.0, 5489.0, 5251.0, 5300.0, 5343.0, 5668.0, 5559.0, 5707.0, 5693.0, 5427.0, 5622.0, 5345.0, 5522.0, 5482.0, 5627.0, 5431.0, 5638.0, 5535.0, 5722.0, 5610.0, 5588.0 (number of hits: 4)
24	5500	9	1	333	1	5690.0, 5420.0, 5703.0, 5278.0, 5483.0, 5626.0, 5406.0, 5677.0, 5305.0, 5714.0, 5705.0, 5554.0, 5708.0, 5648.0, 5401.0, 5532.0, 5264.0, 5328.0, 5336.0, 5511.0, 5456.0, 5366.0, 5642.0, 5693.0, 5269.0, 5679.0, 5446.0, 5355.0, 5697.0, 5671.0, 5699.0, 5629.0, 5270.0, 5415.0, 5710.0, 5279.0, 5389.0, 5257.0, 5509.0, 5396.0, 5363.0, 5618.0, 5696.0, 5329.0, 5474.0, 5605.0, 5647.0, 5594.0, 5620.0, 5672.0, 5375.0, 5684.0, 5334.0, 5559.0, 5416.0, 5521.0, 5595.0, 5539.0, 5325.0, 5553.0, 5374.0, 5636.0, 5587.0, 5337.0, 5630.0, 5268.0, 5508.0, 5619.0, 5315.0, 5465.0, 5434.0, 5440.0, 5320.0, 5265.0, 5405.0, 5350.0, 5417.0, 5481.0, 5544.0, 5610.0, 5688.0, 5443.0, 5531.0, 5556.0, 5281.0, 5439.0, 5367.0, 5676.0, 5576.0, 5418.0, 5686.0, 5499.0, 5604.0, 5447.0, 5597.0, 5562.0, 5701.0, 5307.0, 5412.0, 5293.0 (number of hits: 3)
25	5500	9	1	333	1	5422.0, 5250.0, 5428.0, 5384.0, 5466.0, 5357.0, 5251.0, 5269.0, 5597.0, 5324.0, 5624.0, 5543.0, 5435.0, 5666.0, 5517.0, 5545.0, 5522.0, 5551.0, 5404.0, 5409.0, 5569.0, 5540.0, 5373.0, 5687.0, 5322.0, 5552.0, 5523.0, 5646.0, 5349.0, 5315.0, 5660.0, 5620.0, 5546.0, 5713.0, 5320.0, 5399.0, 5668.0, 5589.0, 5661.0, 5539.0, 5498.0, 5531.0, 5479.0, 5376.0, 5532.0, 5413.0, 5511.0, 5389.0, 5393.0, 5667.0, 5548.0, 5275.0, 5698.0, 5403.0, 5303.0, 5574.0, 5581.0, 5680.0, 5265.0, 5657.0, 5712.0, 5495.0, 5382.0, 5319.0, 5521.0, 5271.0, 5636.0, 5610.0, 5394.0, 5358.0, 5485.0, 5492.0, 5611.0, 5421.0, 5530.0, 5321.0, 5488.0, 5430.0, 5659.0, 5571.0, 5443.0, 5300.0, 5254.0, 5458.0, 5505.0, 5542.0, 5363.0, 5330.0, 5347.0, 5606.0, 5279.0, 5329.0, 5529.0, 5692.0, 5647.0, 5629.0, 5431.0, 5695.0, 5704.0, 5473.0 (number of hits: 4)

26	5500	9	1	333	1	5644.0, 5326.0, 5566.0, 5629.0, 5327.0, 5713.0, 5365.0, 5270.0, 5503.0, 5312.0, 5711.0, 5287.0, 5311.0, 5507.0, 5695.0, 5263.0, 5672.0, 5398.0, 5349.0, 5678.0, 5448.0, 5570.0, 5703.0, 5316.0, 5539.0, 5356.0, 5718.0, 5411.0, 5394.0, 5487.0, 5364.0, 5304.0, 5651.0, 5499.0, 5531.0, 5654.0, 5537.0, 5345.0, 5343.0, 5280.0, 5647.0, 5494.0, 5375.0, 5408.0, 5350.0, 5549.0, 5681.0, 5341.0, 5709.0, 5457.0, 5338.0, 5590.0, 5603.0, 5315.0, 5586.0, 5482.0, 5686.0, 5534.0, 5490.0, 5518.0, 5673.0, 5264.0, 5589.0, 5293.0, 5693.0, 5567.0, 5642.0, 5492.0, 5675.0, 5543.0, 5306.0, 5379.0, 5584.0, 5393.0, 5599.0, 5314.0, 5397.0, 5538.0, 5509.0, 5510.0, 5645.0, 5278.0, 5436.0, 5272.0, 5521.0, 5656.0, 5508.0, 5551.0, 5701.0, 5564.0, 5299.0, 5580.0, 5630.0, 5581.0, 5450.0, 5292.0, 5671.0, 5417.0, 5297.0, 5575.0 (number of hits: 8)
27	5500	9	1	333	1	5663.0, 5325.0, 5365.0, 5582.0, 5428.0, 5711.0, 5513.0, 5621.0, 5563.0, 5442.0, 5273.0, 5643.0, 5468.0, 5706.0, 5575.0, 5307.0, 5536.0, 5693.0, 5703.0, 5322.0, 5488.0, 5279.0, 5399.0, 5550.0, 5547.0, 5272.0, 5492.0, 5709.0, 5611.0, 5636.0, 5388.0, 5557.0, 5598.0, 5511.0, 5294.0, 5584.0, 5635.0, 5626.0, 5618.0, 5669.0, 5499.0, 5712.0, 5321.0, 5627.0, 5462.0, 5316.0, 5429.0, 5719.0, 5266.0, 5314.0, 5439.0, 5599.0, 5646.0, 5586.0, 5614.0, 5459.0, 5645.0, 5504.0, 5262.0, 5493.0, 5546.0, 5444.0, 5375.0, 5423.0, 5469.0, 5624.0, 5495.0, 5379.0, 5338.0, 5549.0, 5426.0, 5285.0, 5535.0, 5490.0, 5473.0, 5538.0, 5471.0, 5658.0, 5580.0, 5478.0, 5608.0, 5600.0, 5350.0, 5337.0, 5390.0, 5656.0, 5410.0, 5432.0, 5542.0, 5681.0, 5422.0, 5616.0, 5482.0, 5512.0, 5506.0, 5667.0, 5341.0, 5484.0, 5641.0, 5407.0 (number of hits: 7)
28	5500	9	1	333	1	5541.0, 5674.0, 5524.0, 5348.0, 5647.0, 5417.0, 5585.0, 5496.0, 5487.0, 5354.0, 5581.0, 5302.0, 5713.0, 5286.0, 5569.0, 5405.0, 5680.0, 5514.0, 5615.0, 5445.0, 5400.0, 5593.0, 5534.0, 5255.0, 5572.0, 5462.0, 5500.0, 5341.0, 5467.0, 5568.0, 5711.0, 5504.0, 5602.0, 5482.0, 5392.0, 5408.0, 5705.0, 5403.0, 5430.0, 5323.0, 5687.0, 5391.0, 5619.0, 5422.0, 5710.0, 5343.0, 5589.0, 5435.0, 5272.0, 5265.0, 5611.0, 5463.0, 5328.0, 5539.0, 5497.0, 5399.0, 5486.0, 5293.0, 5390.0, 5470.0, 5533.0, 5336.0, 5281.0, 5549.0, 5582.0, 5707.0, 5312.0, 5295.0, 5692.0, 5308.0, 5315.0, 5577.0, 5657.0, 5684.0, 5623.0, 5526.0, 5557.0, 5300.0, 5594.0, 5638.0, 5419.0, 5630.0, 5465.0, 5681.0, 5364.0,

						5393.0, 5460.0, 5614.0, 5540.0, 5437.0, 5548.0, 5411.0, 5280.0, 5661.0, 5256.0, 5287.0, 5444.0, 5597.0, 5380.0, 5573.0 (number of hits: 4)
29	5500	9	1	333	1	5533.0, 5367.0, 5318.0, 5468.0, 5501.0, 5456.0, 5686.0, 5704.0, 5386.0, 5270.0, 5333.0, 5510.0, 5673.0, 5677.0, 5559.0, 5515.0, 5592.0, 5571.0, 5469.0, 5462.0, 5384.0, 5452.0, 5464.0, 5668.0, 5298.0, 5394.0, 5366.0, 5629.0, 5280.0, 5433.0, 5461.0, 5357.0, 5307.0, 5622.0, 5568.0, 5504.0, 5407.0, 5306.0, 5505.0, 5360.0, 5557.0, 5416.0, 5667.0, 5503.0, 5459.0, 5608.0, 5264.0, 5284.0, 5585.0, 5315.0, 5292.0, 5350.0, 5327.0, 5296.0, 5633.0, 5397.0, 5655.0, 5358.0, 5597.0, 5598.0, 5346.0, 5692.0, 5601.0, 5294.0, 5602.0, 5473.0, 5324.0, 5553.0, 5271.0, 5638.0, 5650.0, 5442.0, 5371.0, 5454.0, 5263.0, 5269.0, 5354.0, 5436.0, 5703.0, 5290.0, 5471.0, 5268.0, 5316.0, 5352.0, 5561.0, 5583.0, 5401.0, 5537.0, 5694.0, 5637.0, 5531.0, 5445.0, 5643.0, 5669.0, 5262.0, 5288.0, 5321.0, 5274.0, 5291.0, 5623.0 (number of hits: 4)
30	5500	9	1	333	1	5600.0, 5710.0, 5615.0, 5362.0, 5274.0, 5680.0, 5444.0, 5633.0, 5323.0, 5513.0, 5326.0, 5529.0, 5722.0, 5471.0, 5677.0, 5665.0, 5314.0, 5544.0, 5536.0, 5516.0, 5297.0, 5648.0, 5347.0, 5625.0, 5510.0, 5405.0, 5683.0, 5695.0, 5611.0, 5514.0, 5287.0, 5310.0, 5452.0, 5420.0, 5317.0, 5313.0, 5515.0, 5686.0, 5386.0, 5396.0, 5433.0, 5651.0, 5572.0, 5567.0, 5373.0, 5366.0, 5292.0, 5496.0, 5720.0, 5312.0, 5419.0, 5298.0, 5336.0, 5643.0, 5388.0, 5626.0, 5682.0, 5345.0, 5574.0, 5484.0, 5266.0, 5699.0, 5535.0, 5415.0, 5495.0, 5258.0, 5624.0, 5353.0, 5400.0, 5620.0, 5445.0, 5645.0, 5480.0, 5492.0, 5712.0, 5632.0, 5696.0, 5413.0, 5372.0, 5644.0, 5493.0, 5342.0, 5332.0, 5711.0, 5300.0, 5627.0, 5690.0, 5407.0, 5437.0, 5716.0, 5325.0, 5456.0, 5454.0, 5416.0, 5669.0, 5482.0, 5697.0, 5399.0, 5676.0, 5652.0 (number of hits: 4)

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	86.68 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5510 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	86	1	618	1
2	5510	59	1	898	1
3	5510	57	1	938	1
4	5510	95	1	558	1
5	5510	83	1	638	1
6	5490	62	1	858	1
7	5490	89	1	598	1
8	5490	70	1	758	1
9	5490	74	1	718	1
10	5490	99	1	538	1
11	5530	67	1	798	1
12	5530	18	1	3066	1
13	5530	68	1	778	1
14	5530	92	1	578	1
15	5530	102	1	518	1
16	5510	32	1	1696	1
17	5510	55	1	975	1
18	5510	26	1	2042	1
19	5510	27	1	1969	1
20	5510	21	1	2582	1
21	5490	44	1	1220	1
22	5490	30	1	1763	1
23	5490	21	1	2566	1
24	5490	20	1	2748	1
25	5490	20	1	2643	1
26	5530	88	1	602	1
27	5530	30	1	1767	1
28	5530	22	1	2413	1
29	5530	54	1	988	1
30	5530	19	1	2875	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	27	2.7	180	1
2	5510	26	1.3	193	1
3	5510	25	3.9	209	1
4	5510	29	1.2	207	1
5	5510	25	1	213	1
6	5510	23	1	209	1
7	5510	25	4.5	226	0
8	5510	25	3	205	1
9	5510	24	3.8	229	0
10	5510	25	4.7	150	1
11	5490	24	2.5	205	1
12	5490	27	2.9	185	1
13	5490	28	3.3	171	0
14	5490	29	3.9	186	0
15	5490	27	1.3	224	0
16	5490	25	3.5	220	1
17	5490	29	2.8	157	1
18	5490	26	1.3	185	1
19	5490	29	4.2	182	1
20	5490	27	3	156	0
21	5530	26	2.2	177	1
22	5530	23	4.5	154	1
23	5530	29	4.6	207	1
24	5530	23	1.7	188	1
25	5530	29	2.2	210	0
26	5530	28	1.2	224	1
27	5530	29	3.5	157	1
28	5530	24	1.9	230	1
29	5530	23	3.3	230	1
30	5530	25	4.4	174	1
Detection Percentage: 76.7 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	16	6.4	225	1
2	5510	17	7.4	389	1
3	5510	18	8.5	393	1
4	5510	18	9.8	467	1
5	5510	18	6.7	326	1
6	5510	16	7.5	491	0
7	5510	17	7.4	472	1
8	5510	18	9.4	363	1
9	5510	17	10	280	1
10	5510	18	7.9	330	1
11	5490	16	7.1	392	1
12	5490	17	6.3	202	0
13	5490	18	9.7	203	1
14	5490	18	9	201	1
15	5490	16	7.6	304	1
16	5490	17	7.7	416	1
17	5490	17	7.8	233	1
18	5490	18	6.7	437	1
19	5490	17	7.2	460	1
20	5490	17	6.8	212	0
21	5530	16	6	466	1
22	5530	17	7.4	377	1
23	5530	17	7.9	388	0
24	5530	17	7.1	414	1
25	5530	16	8.9	214	1
26	5530	16	8.6	419	1
27	5530	17	8.5	339	1
28	5530	16	6.5	247	1
29	5530	18	7.2	491	1
30	5530	18	8.2	352	1
Detection Percentage: 86.7 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	12	17.7	438	1
2	5510	13	11	328	1
3	5510	16	11	314	1
4	5510	13	12	381	1
5	5510	13	14.7	255	1
6	5510	13	19.3	473	1
7	5510	14	16.1	241	1
8	5510	16	14.1	406	1
9	5510	14	11.7	335	1
10	5510	14	13.6	212	1
11	5490	14	11.5	255	1
12	5490	13	16.4	465	1
13	5490	12	16.8	360	1
14	5490	14	18	463	1
15	5490	15	15.3	231	1
16	5490	12	15.9	261	1
17	5490	12	11.2	250	0
18	5490	16	12.3	345	1
19	5490	16	13.4	492	1
20	5490	16	19.7	330	1
21	5530	15	17.6	477	0
22	5530	16	15.9	428	1
23	5530	12	15.7	448	1
24	5530	15	14.2	252	0
25	5530	16	16.3	366	0
26	5530	15	17.7	304	1
27	5530	16	11.4	491	0
28	5530	13	13	378	1
29	5530	16	15.8	217	1
30	5530	16	17.6	383	1
Detection Percentage: 83.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5496.0	1
12	5496.8	1
13	5495.6	1
14	5497.6	1
15	5492.8	1
16	5494.4	1
17	5496.8	1
18	5497.2	1
19	5495.2	1
20	5492.4	1
21	5522.8	1
22	5527.6	1
23	5526.8	1
24	5526.4	1
25	5523.2	1
26	5524.8	1
27	5523.2	1
28	5526.8	1
29	5524.8	1
30	5522.8	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	86.5	1348		0.064615	
1	1	5	61.7			0.959536	
2	2	5	70.3	1570		1.647587	
3	2	5	94	1752		2.693487	
4	3	5	58.7	1941	1048	2.912923	
5	2	5	84.8	1308		4.059046	
6	1	5	72.7			4.431111	
7	1	5	77.3			5.305414	
8	2	5	71.1	1147		6.320382	1
9	3	5	99	1867	1594	6.834823	
10	2	5	79.1	1780		7.535871	
11	3	5	53.8	1256	1319	7.793086	
12	3	5	81.8	1728	1196	9.061359	
13	1	5	94.9			9.754475	
14	2	5	61	1274		10.179407	
15	1	5	77.3			10.600334	
16	1	5	89.5			11.856831	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	72.8			0.635032	
1	1	10	78.5			1.651115	
2	2	10	75.3	1906		2.125625	
3	3	10	82.7	1520	1252	3.535596	
4	2	10	84.7	1953		4.483153	
5	1	10	55.9			4.766402	
6	2	10	55.1	1238		6.269751	1
7	3	10	72.7	1059	1349	6.724495	
8	1	10	73			7.669244	
9	1	10	85.9			9.205541	
10	2	10	96.5	1022		9.89382	
11	1	10	53.5			10.727244	
12	2	10	57.6	1865		11.843849	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	98.7	1307		0.739202	
1	2	15	63.4	1351		1.753827	
2	2	15	62.6	1030		2.218006	
3	3	15	60.3	1980	1397	3.581369	
4	2	15	95.4	1365		4.75631	
5	1	15	62.2			5.814722	
6	1	15	62.7			6.747975	1
7	3	15	74.3	1969	1616	7.376194	
8	1	15	66.2			8.068747	
9	2	15	57.3	1547		9.442314	
10	2	15	80.2	1255		10.697423	
11	2	15	68.3	1315		11.439709	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	76.2			0.155451	
1	1	8	65.5			1.56854	
2	3	8	93.6	1670	1329	2.305083	
3	3	8	60.9	1812	1587	2.884012	
4	1	8	80.1			3.829914	
5	2	8	54.9	1428		4.788268	
6	2	8	64.1	1848		5.746936	
7	2	8	60.8	1402		6.278175	1
8	3	8	78.4	1981	1834	7.440563	
9	2	8	59	1210		8.41732	
10	2	8	61.3	1876		8.622694	
11	1	8	55.8			10.212418	
12	1	8	78.6			10.826485	
13	3	8	57.4	1115	1703	11.39429	

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	6	76.6	1907		0.127962	
1	3	6	94.8	1437	1469	0.797276	
2	3	6	98.3	1192	1175	1.809689	
3	2	6	85.1	1177		2.359062	
4	2	6	57.8	1618		3.046402	
5	2	6	57.8	1294		3.542182	
6	1	6	68			4.406349	
7	1	6	65.2			5.310093	
8	2	6	99.1	1433		5.929457	
9	3	6	67	1710	1163	6.342016	1
10	2	6	94.7	1775		7.305244	
11	2	6	59.4	1459		7.696835	
12	1	6	58.4			8.652534	
13	2	6	83.1	1121		8.819334	
14	2	6	52.9	1050		9.778324	
15	3	6	56.3	1344	1453	10.512076	
16	3	6	93.5	1852	1751	10.748671	
17	2	6	84.2	1141		11.957884	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	87.8	1907	1778	0.289328	
1	1	11	58.1			1.54271	
2	2	11	53.8	1598		2.479197	
3	2	11	91.6	1742		4.141561	
4	2	11	76.7	1419		5.121272	
5	1	11	86.7			6.989662	1
6	1	11	91			8.176511	
7	2	11	89.5	1436		8.594576	
8	1	11	51.9			9.775371	
9	3	11	66.8	1015	1381	11.689326	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	98.8			0.250548	
1	2	9	90.9	1211		1.439074	
2	3	9	69.5	1902	1491	2.441723	
3	1	9	91.3			4.246813	
4	3	9	90.5	1952	1518	4.842166	
5	1	9	66.8			6.130305	1
6	2	9	96.6	1493		7.345262	
7	3	9	58.5	1530	1967	8.714986	
8	1	9	72.5			8.971198	
9	2	9	90.7	1604		10.264785	
10	2	9	67.2	1478		11.531702	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	55	1666		0.439776	
1	3	11	61.2	1600	1820	1.140956	
2	2	11	53.1	1053		1.612225	
3	2	11	93	1950		2.325675	
4	2	11	69.2	1526		3.130808	
5	2	11	97.4	1991		4.428479	
6	2	11	67	1169		4.632851	
7	3	11	91.1	1265	1346	5.708398	
8	1	11	69.1			6.035964	1
9	2	11	76.8	1461		7.220888	
10	2	11	66.9	1296		8.239179	
11	2	11	62.7	1237		8.501719	
12	3	11	55.3	1127	1755	9.038266	
13	2	11	72	1092		10.149638	
14	1	11	57			10.843729	
15	2	11	70.2	1667		11.915051	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	89.1	1921		0.338933	
1	2	14	99.2	1759		1.233528	
2	1	14	53.1			2.408952	
3	1	14	84.3			3.473927	
4	2	14	97.5	1157		3.872764	
5	3	14	90.8	1442	1961	5.447721	
6	1	14	86.1			6.03794	1
7	3	14	85.8	1723	1011	7.034574	
8	2	14	52.7	1563		7.888257	
9	3	14	58.2	1173	1819	8.590812	
10	2	14	95.7	1245		9.342007	
11	2	14	92.8	1669		11.068878	
12	3	14	51.3	1878	1162	11.893919	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	51.9	1771	1378	0.232245	
1	1	8	54.8			1.679465	
2	3	8	69.9	1009	1658	2.400665	
3	1	8	73.2			3.500524	
4	2	8	80.2	1234		4.475252	
5	2	8	54.5	1942		4.981349	
6	2	8	76	1200		6.225294	1
7	2	8	98.6	1308		7.198443	
8	2	8	77.2	1752		7.762478	
9	3	8	83.1	1367	1456	9.216852	
10	2	8	66.3	1154		10.054892	
11	1	8	76.1			10.744634	
12	2	8	56	1889		11.922649	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	78.9			0.320521	
1	2	15	63.2	1959		1.640133	
2	2	15	61.6	1716		2.206658	
3	2	15	88.9	1124		3.744016	
4	2	15	84.3	1489		4.151924	
5	1	15	55.1			5.076046	1
6	3	15	59.2	1566	1571	6.908503	
7	2	15	95.3	1408		7.410978	
8	1	15	67.1			8.803196	
9	3	15	79.3	1318	1942	9.260389	
10	3	15	66	1196	1063	10.474996	
11	2	15	93.7	1259		11.171983	

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	17	83.7	1680		0.458003	
1	2	17	63.1	1417		0.693902	
2	2	17	88.1	1931		1.394099	
3	2	17	97.5	1478		2.178347	
4	3	17	70.3	1873	1003	2.541288	
5	3	17	71	1917	1543	3.369725	
6	3	17	97.6	1011	1851	3.994645	
7	2	17	83.8	1305		4.572433	
8	2	17	64.5	1105		5.401946	
9	2	17	51.1	1328		5.98692	1
10	2	17	83.4	1930		6.687392	
11	2	17	53.8	1772		7.570591	
12	3	17	79.4	1141	1518	7.787634	
13	1	17	60.5			8.528645	
14	2	17	55.3	1265		9.00278	
15	3	17	68.2	1086	1520	10.089547	
16	2	17	79	1404		10.197065	
17	3	17	74.4	1137	1507	11.078781	
18	3	17	60.1	1346	1360	11.395537	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	92.3	1037	1330	0.371363	
1	3	14	81.2	1943	1122	2.03688	
2	2	14	67	1467		2.821116	
3	1	14	85.1			3.88487	
4	2	14	97.3	1272		4.930272	
5	2	14	96.1	1711		6.512937	1
6	3	14	96.4	1237	1380	6.931133	
7	2	14	51.5	1237		7.966308	
8	2	14	51.8	1973		9.647341	
9	2	14	51	1301		10.092046	
10	2	14	96.1	1547		10.960525	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	59.4			1.096855	
1	3	19	58.4	1506	1746	2.568591	
2	2	19	65.4	1920		3.643535	
3	1	19	96.7			5.328422	1
4	1	19	90			7.410415	
5	2	19	85.3	1826		8.783244	
6	2	19	89.4	1094		9.66934	
7	2	19	52.3	1469		11.689686	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	64.5			0.783901	
1	1	7	60.2			1.23524	
2	3	7	83.1	1191	1215	2.195446	
3	1	7	80.1			2.86966	
4	3	7	88.8	1221	1373	3.260042	
5	2	7	98.8	1432		4.184208	
6	2	7	63.5	1627		5.257953	
7	1	7	64.4			5.825367	1
8	2	7	61.8	1303		6.953222	
9	3	7	87.4	1869	1653	7.379097	
10	2	7	99.6	1238		8.518629	
11	3	7	66.7	1480	1102	9.082572	
12	3	7	53.9	1614	1502	9.763976	
13	1	7	55.6			11.148148	
14	2	7	79	1538		11.382991	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	73	1554	1019	0.257463	
1	3	11	52.9	1934	1888	0.892752	
2	1	11	76.5			1.598339	
3	3	11	86.2	1928	1034	2.713547	
4	3	11	56.1	1102	1060	3.642079	
5	1	11	57.6			4.341112	
6	2	11	86.6	1492		5.176225	
7	2	11	78.6	1426		5.970172	
8	2	11	57.8	1223		6.688501	1
9	3	11	71.4	1918	1845	7.19596	
10	2	11	59.7	1686		7.634724	
11	1	11	63.8			8.82747	
12	2	11	57.6	1326		9.103183	
13	3	11	50.1	1597	1991	10.446255	
14	1	11	81.4			11.149124	
15	3	11	74.8	1516	1466	11.336495	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	62.8			0.331798	
1	3	17	52.8	1395	1165	0.967985	
2	2	17	69.1	1513		1.829597	
3	2	17	55.9	1974		2.252246	
4	2	17	83.5	1958		2.933288	
5	1	17	95.9			3.856964	
6	1	17	51.3			4.736571	
7	3	17	79.1	1623	1639	5.31516	
8	2	17	92	1858		5.891116	1
9	2	17	92.6	1593		7.001484	
10	2	17	83.9	1993		7.662255	
11	1	17	76			7.825456	
12	2	17	51.2	1342		8.688119	
13	1	17	57.2			9.247764	
14	3	17	84.4	1432	1442	10.42387	
15	3	17	89.5	1949	1795	10.61315	
16	2	17	88.4	1731		11.476204	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	71.9	1559		0.835465	
1	1	18	80.1			1.696655	
2	1	18	94.9			2.241089	
3	2	18	63.6	1776		3.406141	
4	1	18	91.3			4.383582	
5	3	18	85.4	1495	1870	5.070788	
6	2	18	74	1384		6.834509	1
7	3	18	99	1740	1062	7.0906	
8	2	18	96.4	1384		8.372697	
9	1	18	99.5			9.714529	
10	3	18	50	1587	1321	10.298388	
11	2	18	93.5	1534		11.919288	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	87.4	1797		0.766921	
1	1	13	59.7			1.408017	
2	2	13	90	1868		1.770329	
3	2	13	60.4	1899		2.443061	
4	2	13	71	1262		3.964073	
5	3	13	90.9	1093	1553	4.391925	
6	2	13	73.8	1549		5.040317	
7	3	13	94.9	1672	1543	5.987228	1
8	2	13	95.4	1071		6.901611	
9	2	13	83.1	1531		7.873872	
10	2	13	98.1	1967		8.701968	
11	2	13	87.2	1896		9.457956	
12	2	13	98.5	1515		9.868492	
13	3	13	57.7	1993	1712	10.816762	
14	1	13	80			11.946063	

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	6	61.8	1496	1194	0.743914	
1	3	6	67.7	1532	1843	1.004821	
2	2	6	63.1	1142		2.127058	
3	1	6	57.3			3.387637	
4	2	6	61.6	1231		4.433502	
5	1	6	69.5			5.394148	
6	2	6	97.6	1491		6.449817	1
7	2	6	75	1823		6.977008	
8	1	6	99.1			7.639362	
9	3	6	89.1	1949	1762	9.160298	
10	1	6	59.7			9.529982	
11	2	6	54.4	1591		11.03402	
12	3	6	78.7	1622	1110	11.767526	

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	18	91.1			0.404003	
1	1	18	99.9			1.352354	
2	3	18	90.5	1297	1721	1.966713	
3	2	18	80.3	1759		3.42075	
4	3	18	92	1132	1496	4.540359	
5	2	18	78.5	1492		4.653182	
6	3	18	70.1	1550	1156	5.738541	1
7	2	18	51	1167		7.127055	
8	3	18	85.3	1141	1883	8.088301	
9	1	18	94.7			8.823146	
10	2	18	66.8	1689		9.713791	
11	3	18	85.3	1634	1358	10.532352	
12	3	18	93.3	1191	1750	11.307301	

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	6	73.5	1837		1.037836	
1	2	6	80.9	1238		2.253388	
2	3	6	68.8	1987	1897	2.812828	
3	2	6	79.9	1584		4.728845	
4	2	6	61.5	1876		5.549243	1
5	2	6	77.1	1147		6.512308	
6	2	6	89	1470		7.816506	
7	1	6	81.7			9.063664	
8	1	6	61.1			10.452164	
9	2	6	82.9	1001		11.804564	

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	8	82.7	1679		0.5664	
1	2	8	91.4	1508		1.089778	
2	3	8	52.5	1938	1970	1.493171	
3	1	8	52			1.980836	
4	2	8	77.1	1843		3.028145	
5	1	8	84.6			3.533488	
6	2	8	76.8	1978		4.327881	
7	1	8	50.1			4.428187	
8	2	8	76.7	1678		5.099897	
9	2	8	73.7	1221		6.005254	1
10	3	8	85.4	1113	1159	6.902644	
11	2	8	62.2	1569		7.434783	
12	2	8	55.9	1271		7.86849	
13	2	8	53.1	1634		8.350722	
14	1	8	92.3			8.852174	
15	3	8	67.7	1154	1621	10.045906	
16	2	8	86	1329		10.501768	
17	1	8	57.5			10.901731	
18	3	8	55.8	1901	1911	11.56608	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	82.5	1063		0.118575	
1	2	9	93.4	1228		2.229563	
2	2	9	71.8	1227		2.856259	
3	3	9	66.5	1857	1840	4.13405	
4	2	9	50.9	1721		5.107519	1
5	3	9	67.3	1465	1979	6.837622	
6	1	9	66.8			7.398616	
7	3	9	89.4	1609	1231	9.361234	
8	2	9	83.4	1698		9.832473	
9	3	9	52.5	1235	1571	11.417196	

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	17	95.4	1904	1641	0.594432	
1	2	17	97.2	1420		2.107778	
2	2	17	53.3	1668		3.294927	
3	1	17	58.9			5.379105	1
4	2	17	63	1159		7.107562	
5	2	17	94.9	1119		8.385037	
6	3	17	66.7	1863	1592	10.176217	
7	2	17	57.7	1982		11.697309	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	99.6	1932		0.123011	
1	1	13	53.4			0.839081	
2	2	13	78.5	1392		1.619881	
3	2	13	67.9	1945		2.442743	
4	1	13	60.8			3.02354	
5	1	13	97.3			3.166959	
6	2	13	79.6	1741		4.244854	
7	3	13	99.9	1523	1709	5.012578	
8	1	13	56.7			5.294578	
9	1	13	63.2			5.861377	1
10	2	13	58.6	1057		6.59772	
11	2	13	68.3	1461		7.091556	
12	1	13	64.8			7.877416	
13	3	13	94.6	1247	1107	8.73105	
14	3	13	56.6	1258	1050	9.355477	
15	3	13	83.9	1669	1600	9.501848	
16	3	13	79.4	1967	1666	10.286181	
17	2	13	62.1	1476		10.91147	
18	2	13	69.8	1775		11.572133	

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	58.5			0.053997	
1	1	17	59.9			0.765277	
2	1	17	87.3			1.446061	
3	2	17	80.3	1150		2.503568	
4	3	17	72.9	1345	1999	2.752092	
5	3	17	54.4	1850	1080	3.983426	
6	1	17	86			4.159649	
7	1	17	96			4.845794	
8	2	17	76	1315		5.591784	1
9	2	17	60.7	1298		6.366163	
10	2	17	72.7	1319		6.736497	
11	3	17	75.7	1992	1270	7.592504	
12	2	17	81.6	1669		8.444542	
13	1	17	83.1			9.287037	
14	1	17	81.6			9.475693	
15	3	17	54.9	1946	1103	10.606251	
16	2	17	73.6	1237		10.734835	
17	3	17	54.4	1589	1305	11.77686	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	83.9			0.329362	
1	3	8	79.8	1370	1983	0.684844	
2	2	8	90.8	1363		1.700042	
3	3	8	88.2	1236	1961	2.245742	
4	1	8	57.8			2.672297	
5	2	8	99.4	1536		3.676163	
6	1	8	81.8			3.941324	
7	2	8	92.2	1282		4.541348	
8	2	8	76.8	1522		5.514546	
9	3	8	99	1934	1040	5.702352	1
10	2	8	85.4	1854		6.743537	
11	1	8	62.3			7.447712	
12	2	8	62.3	1101		7.77976	
13	1	8	93.1			8.673199	
14	2	8	71.8	1614		9.317308	
15	2	8	57.5	1705		9.650883	
16	2	8	56.2	1926		10.360892	
17	2	8	51.5	1854		10.780038	
18	3	8	62.7	1092	1990	11.668746	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	87	1296		0.342568	
1	2	13	89.7	1759		1.432794	
2	1	13	57.3			1.863452	
3	3	13	82.4	1209	1203	2.761666	
4	2	13	87.6	1445		3.660377	
5	1	13	58			4.234848	
6	2	13	79.5	1693		4.895555	
7	3	13	60	1238	1469	5.550904	1
8	1	13	77.2			6.076556	
9	3	13	53.6	1602	1131	7.092866	
10	2	13	74.9	1215		8.16226	
11	1	13	70.4			8.68048	
12	1	13	70.2			9.658445	
13	3	13	59.8	1660	1722	10.075773	
14	2	13	81.2	1239		10.842981	
15	3	13	93.7	1158	1892	11.47299	

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	18	97.3	1965		0.979069	
1	2	18	92.9	1465		1.605837	
2	2	18	53.4	1758		2.751348	
3	2	18	70.5	1136		4.266535	
4	2	18	61	1116		4.702308	
5	2	18	68.1	1215		5.590946	1
6	2	18	65	1195		6.789629	
7	1	18	53.8			8.082167	
8	1	18	77.2			8.95511	
9	3	18	80.1	1173	1877	10.369873	
10	2	18	98	1402		11.242995	

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	5490	9	1	333	1	5297.0, 5427.0, 5461.0, 5467.0, 5264.0, 5684.0, 5463.0, 5417.0, 5698.0, 5354.0, 5704.0, 5445.0, 5332.0, 5279.0, 5639.0, 5602.0, 5458.0, 5472.0, 5715.0, 5345.0, 5690.0, 5591.0, 5363.0, 5453.0, 5599.0, 5406.0, 5343.0, 5596.0, 5391.0, 5404.0, 5403.0, 5623.0, 5646.0, 5271.0, 5449.0, 5569.0, 5552.0, 5508.0, 5415.0, 5413.0, 5716.0, 5395.0, 5577.0, 5454.0, 5344.0, 5662.0, 5723.0, 5469.0, 5368.0, 5381.0, 5284.0, 5290.0, 5666.0, 5349.0, 5618.0, 5369.0, 5347.0, 5582.0, 5543.0, 5468.0, 5696.0, 5695.0, 5289.0, 5397.0, 5580.0, 5689.0, 5434.0, 5319.0, 5573.0, 5634.0, 5338.0, 5556.0, 5456.0, 5612.0, 5687.0, 5475.0, 5390.0, 5636.0, 5407.0, 5554.0, 5422.0, 5330.0, 5436.0, 5410.0, 5275.0, 5321.0, 5493.0, 5532.0, 5378.0, 5280.0, 5691.0, 5360.0, 5402.0, 5392.0, 5374.0, 5252.0, 5541.0, 5495.0, 5611.0, 5488.0 (number of hits: 6)
2	5490	9	1	333	1	5679.0, 5723.0, 5320.0, 5538.0, 5677.0, 5479.0, 5420.0, 5425.0, 5597.0, 5608.0, 5356.0, 5345.0, 5510.0, 5569.0, 5266.0, 5341.0, 5573.0, 5629.0, 5652.0, 5336.0, 5269.0, 5501.0, 5480.0, 5557.0, 5491.0, 5533.0, 5254.0, 5434.0, 5638.0, 5283.0, 5301.0, 5457.0, 5474.0, 5286.0, 5486.0, 5592.0, 5706.0, 5650.0, 5520.0, 5585.0, 5347.0, 5442.0, 5412.0, 5437.0, 5303.0, 5721.0, 5411.0, 5544.0, 5333.0, 5485.0, 5380.0, 5674.0, 5590.0, 5308.0, 5357.0, 5260.0, 5373.0, 5431.0, 5507.0, 5548.0, 5673.0, 5465.0, 5401.0, 5504.0, 5398.0, 5315.0, 5258.0, 5323.0, 5331.0, 5661.0, 5718.0, 5469.0, 5605.0, 5289.0, 5526.0, 5441.0, 5531.0, 5494.0, 5413.0, 5274.0, 5686.0, 5428.0, 5610.0, 5476.0, 5261.0, 5517.0, 5639.0, 5470.0, 5653.0, 5265.0, 5481.0, 5419.0, 5684.0, 5361.0, 5450.0, 5593.0, 5705.0, 5536.0, 5277.0, 5513.0 (number of hits: 13)
3	5490	9	1	333	1	5536.0, 5714.0, 5353.0, 5517.0, 5585.0, 5350.0, 5694.0, 5532.0, 5373.0, 5657.0, 5260.0, 5301.0, 5639.0, 5553.0, 5652.0, 5594.0, 5330.0, 5263.0, 5314.0, 5457.0, 5621.0, 5488.0, 5689.0, 5439.0, 5710.0, 5313.0, 5543.0, 5256.0, 5635.0, 5599.0, 5309.0, 5626.0, 5516.0, 5348.0, 5487.0, 5468.0, 5467.0, 5460.0, 5535.0, 5549.0, 5377.0, 5251.0, 5709.0, 5449.0, 5647.0, 5531.0, 5339.0, 5519.0, 5579.0, 5482.0, 5464.0, 5297.0, 5255.0, 5346.0, 5391.0, 5252.0, 5527.0, 5411.0, 5284.0, 5397.0,

						5548.0, 5693.0, 5298.0, 5528.0, 5697.0, 5673.0, 5620.0, 5433.0, 5470.0, 5331.0, 5443.0, 5701.0, 5636.0, 5450.0, 5315.0, 5500.0, 5473.0, 5486.0, 5479.0, 5499.0, 5458.0, 5400.0, 5674.0, 5610.0, 5497.0, 5665.0, 5289.0, 5427.0, 5302.0, 5648.0, 5686.0, 5677.0, 5394.0, 5489.0, 5515.0, 5547.0, 5355.0, 5526.0, 5524.0, 5492.0 (number of hits: 12)
4	5490	9	1	333	1	5425.0, 5381.0, 5655.0, 5402.0, 5250.0, 5526.0, 5638.0, 5432.0, 5575.0, 5506.0, 5263.0, 5616.0, 5325.0, 5499.0, 5641.0, 5357.0, 5574.0, 5315.0, 5684.0, 5289.0, 5631.0, 5433.0, 5572.0, 5466.0, 5300.0, 5548.0, 5334.0, 5695.0, 5353.0, 5529.0, 5358.0, 5580.0, 5265.0, 5280.0, 5422.0, 5451.0, 5633.0, 5617.0, 5520.0, 5288.0, 5356.0, 5387.0, 5497.0, 5281.0, 5488.0, 5347.0, 5459.0, 5335.0, 5675.0, 5547.0, 5514.0, 5557.0, 5351.0, 5302.0, 5479.0, 5647.0, 5564.0, 5604.0, 5299.0, 5415.0, 5480.0, 5331.0, 5481.0, 5517.0, 5463.0, 5560.0, 5341.0, 5426.0, 5539.0, 5634.0, 5521.0, 5565.0, 5562.0, 5619.0, 5282.0, 5686.0, 5252.0, 5645.0, 5592.0, 5274.0, 5552.0, 5478.0, 5661.0, 5318.0, 5612.0, 5561.0, 5683.0, 5386.0, 5393.0, 5308.0, 5636.0, 5712.0, 5542.0, 5693.0, 5659.0, 5719.0, 5303.0, 5700.0, 5544.0, 5374.0 (number of hits: 8)
5	5490	9	1	333	1	5594.0, 5305.0, 5411.0, 5666.0, 5659.0, 5347.0, 5426.0, 5436.0, 5605.0, 5491.0, 5369.0, 5572.0, 5332.0, 5330.0, 5498.0, 5712.0, 5299.0, 5397.0, 5621.0, 5548.0, 5385.0, 5351.0, 5274.0, 5456.0, 5278.0, 5490.0, 5667.0, 5285.0, 5262.0, 5614.0, 5510.0, 5407.0, 5530.0, 5598.0, 5563.0, 5281.0, 5670.0, 5566.0, 5358.0, 5296.0, 5289.0, 5663.0, 5382.0, 5625.0, 5282.0, 5349.0, 5404.0, 5607.0, 5567.0, 5428.0, 5486.0, 5514.0, 5592.0, 5658.0, 5298.0, 5684.0, 5644.0, 5293.0, 5250.0, 5580.0, 5342.0, 5374.0, 5587.0, 5615.0, 5378.0, 5703.0, 5591.0, 5304.0, 5631.0, 5558.0, 5616.0, 5599.0, 5505.0, 5474.0, 5627.0, 5446.0, 5542.0, 5527.0, 5271.0, 5321.0, 5325.0, 5515.0, 5610.0, 5493.0, 5344.0, 5267.0, 5650.0, 5254.0, 5526.0, 5393.0, 5649.0, 5256.0, 5415.0, 5500.0, 5653.0, 5632.0, 5637.0, 5277.0, 5259.0, 5409.0 (number of hits: 8)
6	5490	9	1	333	1	5388.0, 5664.0, 5559.0, 5537.0, 5574.0, 5534.0, 5435.0, 5325.0, 5604.0, 5459.0, 5422.0, 5701.0, 5544.0, 5689.0, 5524.0, 5372.0, 5723.0, 5292.0, 5475.0, 5497.0, 5693.0, 5271.0, 5669.0, 5526.0, 5627.0, 5359.0, 5615.0, 5650.0, 5274.0, 5266.0, 5633.0, 5660.0, 5444.0, 5370.0, 5552.0, 5512.0, 5381.0, 5606.0, 5399.0, 5260.0,

						5509.0, 5375.0, 5451.0, 5468.0, 5673.0, 5329.0, 5661.0, 5629.0, 5287.0, 5657.0, 5255.0, 5268.0, 5702.0, 5684.0, 5265.0, 5602.0, 5297.0, 5322.0, 5686.0, 5308.0, 5407.0, 5531.0, 5331.0, 5424.0, 5347.0, 5585.0, 5654.0, 5619.0, 5276.0, 5588.0, 5456.0, 5366.0, 5392.0, 5695.0, 5481.0, 5717.0, 5263.0, 5690.0, 5338.0, 5631.0, 5595.0, 5264.0, 5480.0, 5430.0, 5479.0, 5692.0, 5565.0, 5408.0, 5623.0, 5345.0, 5278.0, 5706.0, 5541.0, 5448.0, 5569.0, 5652.0, 5698.0, 5499.0, 5421.0, 5275.0 (number of hits: 7)
7	5490	9	1	333	1	5492.0, 5574.0, 5276.0, 5346.0, 5503.0, 5334.0, 5570.0, 5624.0, 5468.0, 5481.0, 5543.0, 5422.0, 5252.0, 5438.0, 5682.0, 5619.0, 5510.0, 5646.0, 5704.0, 5555.0, 5369.0, 5467.0, 5432.0, 5593.0, 5610.0, 5313.0, 5278.0, 5426.0, 5516.0, 5684.0, 5431.0, 5680.0, 5545.0, 5322.0, 5595.0, 5674.0, 5480.0, 5470.0, 5569.0, 5387.0, 5488.0, 5399.0, 5580.0, 5375.0, 5598.0, 5518.0, 5716.0, 5409.0, 5340.0, 5637.0, 5536.0, 5596.0, 5420.0, 5581.0, 5563.0, 5705.0, 5608.0, 5444.0, 5317.0, 5528.0, 5434.0, 5542.0, 5263.0, 5597.0, 5440.0, 5606.0, 5567.0, 5688.0, 5609.0, 5517.0, 5460.0, 5400.0, 5540.0, 5489.0, 5343.0, 5512.0, 5719.0, 5394.0, 5560.0, 5626.0, 5451.0, 5554.0, 5302.0, 5556.0, 5423.0, 5425.0, 5306.0, 5298.0, 5502.0, 5652.0, 5532.0, 5479.0, 5675.0, 5700.0, 5333.0, 5511.0, 5647.0, 5584.0, 5681.0, 5416.0 (number of hits: 9)
8	5490	9	1	333	1	5274.0, 5630.0, 5513.0, 5329.0, 5583.0, 5651.0, 5469.0, 5320.0, 5462.0, 5357.0, 5611.0, 5561.0, 5323.0, 5390.0, 5362.0, 5635.0, 5680.0, 5273.0, 5256.0, 5302.0, 5258.0, 5405.0, 5383.0, 5486.0, 5629.0, 5347.0, 5531.0, 5322.0, 5434.0, 5688.0, 5510.0, 5560.0, 5647.0, 5457.0, 5602.0, 5569.0, 5451.0, 5487.0, 5509.0, 5330.0, 5295.0, 5399.0, 5670.0, 5286.0, 5526.0, 5461.0, 5662.0, 5348.0, 5587.0, 5475.0, 5706.0, 5382.0, 5717.0, 5411.0, 5384.0, 5493.0, 5603.0, 5624.0, 5661.0, 5446.0, 5716.0, 5305.0, 5601.0, 5700.0, 5447.0, 5538.0, 5373.0, 5275.0, 5577.0, 5418.0, 5441.0, 5665.0, 5454.0, 5491.0, 5472.0, 5309.0, 5420.0, 5467.0, 5388.0, 5427.0, 5257.0, 5269.0, 5610.0, 5378.0, 5404.0, 5400.0, 5292.0, 5416.0, 5632.0, 5476.0, 5640.0, 5366.0, 5593.0, 5403.0, 5278.0, 5671.0, 5694.0, 5605.0, 5511.0, 5338.0 (number of hits: 8)
9	5490	9	1	333	1	5573.0, 5472.0, 5392.0, 5716.0, 5589.0, 5715.0, 5685.0, 5367.0, 5393.0, 5530.0, 5549.0, 5344.0, 5316.0, 5352.0, 5617.0, 5295.0, 5513.0, 5275.0, 5459.0, 5558.0,

						5614.0, 5327.0, 5542.0, 5623.0, 5695.0, 5343.0, 5668.0, 5642.0, 5521.0, 5580.0, 5543.0, 5464.0, 5702.0, 5445.0, 5608.0, 5326.0, 5424.0, 5517.0, 5412.0, 5414.0, 5697.0, 5710.0, 5431.0, 5380.0, 5628.0, 5321.0, 5266.0, 5313.0, 5330.0, 5653.0, 5699.0, 5476.0, 5264.0, 5682.0, 5437.0, 5636.0, 5661.0, 5591.0, 5679.0, 5495.0, 5684.0, 5443.0, 5308.0, 5283.0, 5553.0, 5563.0, 5456.0, 5463.0, 5371.0, 5441.0, 5351.0, 5565.0, 5274.0, 5516.0, 5360.0, 5385.0, 5508.0, 5292.0, 5409.0, 5507.0, 5293.0, 5569.0, 5654.0, 5289.0, 5615.0, 5691.0, 5575.0, 5576.0, 5666.0, 5432.0, 5363.0, 5391.0, 5309.0, 5631.0, 5499.0, 5494.0, 5497.0, 5407.0, 5428.0, 5453.0 (number of hits: 8)
10	5490	9	1	333	1	5359.0, 5718.0, 5630.0, 5625.0, 5555.0, 5400.0, 5711.0, 5672.0, 5407.0, 5500.0, 5315.0, 5391.0, 5349.0, 5470.0, 5542.0, 5602.0, 5526.0, 5501.0, 5355.0, 5695.0, 5250.0, 5700.0, 5486.0, 5641.0, 5459.0, 5670.0, 5454.0, 5399.0, 5683.0, 5540.0, 5561.0, 5461.0, 5685.0, 5524.0, 5648.0, 5405.0, 5370.0, 5576.0, 5383.0, 5624.0, 5603.0, 5358.0, 5350.0, 5546.0, 5562.0, 5497.0, 5529.0, 5402.0, 5255.0, 5573.0, 5675.0, 5473.0, 5712.0, 5423.0, 5574.0, 5708.0, 5273.0, 5263.0, 5551.0, 5691.0, 5481.0, 5254.0, 5287.0, 5682.0, 5606.0, 5678.0, 5522.0, 5560.0, 5434.0, 5256.0, 5446.0, 5616.0, 5587.0, 5382.0, 5365.0, 5623.0, 5703.0, 5293.0, 5288.0, 5533.0, 5403.0, 5385.0, 5572.0, 5328.0, 5556.0, 5450.0, 5471.0, 5621.0, 5316.0, 5398.0, 5396.0, 5702.0, 5525.0, 5582.0, 5714.0, 5504.0, 5474.0, 5593.0, 5361.0, 5305.0 (number of hits: 10)
11	5510	9	1	333	1	5666.0, 5353.0, 5399.0, 5323.0, 5636.0, 5642.0, 5325.0, 5584.0, 5661.0, 5671.0, 5285.0, 5696.0, 5633.0, 5358.0, 5542.0, 5454.0, 5328.0, 5480.0, 5491.0, 5543.0, 5287.0, 5723.0, 5502.0, 5613.0, 5460.0, 5446.0, 5415.0, 5611.0, 5720.0, 5411.0, 5345.0, 5355.0, 5279.0, 5518.0, 5497.0, 5337.0, 5427.0, 5462.0, 5277.0, 5293.0, 5724.0, 5596.0, 5280.0, 5619.0, 5254.0, 5407.0, 5393.0, 5714.0, 5299.0, 5709.0, 5698.0, 5583.0, 5476.0, 5547.0, 5333.0, 5600.0, 5650.0, 5682.0, 5612.0, 5258.0, 5316.0, 5274.0, 5450.0, 5436.0, 5695.0, 5568.0, 5437.0, 5382.0, 5336.0, 5475.0, 5286.0, 5469.0, 5468.0, 5508.0, 5424.0, 5704.0, 5505.0, 5260.0, 5510.0, 5375.0, 5271.0, 5419.0, 5627.0, 5456.0, 5442.0, 5535.0, 5321.0, 5368.0, 5380.0, 5713.0, 5470.0, 5494.0, 5262.0, 5499.0, 5334.0, 5605.0, 5441.0, 5690.0, 5275.0, 5434.0 (number of hits: 9)

12	5510	9	1	333	1	5334.0, 5417.0, 5584.0, 5576.0, 5415.0, 5413.0, 5425.0, 5561.0, 5399.0, 5433.0, 5331.0, 5694.0, 5586.0, 5627.0, 5550.0, 5300.0, 5412.0, 5535.0, 5428.0, 5388.0, 5653.0, 5684.0, 5372.0, 5531.0, 5685.0, 5471.0, 5482.0, 5641.0, 5517.0, 5373.0, 5616.0, 5608.0, 5718.0, 5623.0, 5581.0, 5681.0, 5547.0, 5712.0, 5253.0, 5442.0, 5392.0, 5304.0, 5408.0, 5612.0, 5436.0, 5661.0, 5437.0, 5656.0, 5403.0, 5495.0, 5483.0, 5377.0, 5573.0, 5454.0, 5456.0, 5597.0, 5534.0, 5575.0, 5630.0, 5354.0, 5451.0, 5438.0, 5322.0, 5716.0, 5709.0, 5542.0, 5609.0, 5288.0, 5722.0, 5689.0, 5634.0, 5492.0, 5560.0, 5275.0, 5721.0, 5453.0, 5255.0, 5723.0, 5383.0, 5487.0, 5344.0, 5444.0, 5497.0, 5504.0, 5676.0, 5423.0, 5664.0, 5446.0, 5293.0, 5614.0, 5411.0, 5480.0, 5519.0, 5679.0, 5368.0, 5475.0, 5567.0, 5514.0, 5562.0, 5673.0 (number of hits: 7)
13	5510	9	1	333	1	5440.0, 5720.0, 5700.0, 5492.0, 5692.0, 5367.0, 5457.0, 5460.0, 5540.0, 5627.0, 5715.0, 5281.0, 5710.0, 5441.0, 5683.0, 5647.0, 5309.0, 5547.0, 5702.0, 5570.0, 5357.0, 5565.0, 5598.0, 5601.0, 5708.0, 5471.0, 5295.0, 5328.0, 5650.0, 5304.0, 5651.0, 5413.0, 5539.0, 5622.0, 5459.0, 5275.0, 5282.0, 5386.0, 5366.0, 5266.0, 5563.0, 5348.0, 5297.0, 5630.0, 5286.0, 5284.0, 5442.0, 5351.0, 5426.0, 5321.0, 5688.0, 5671.0, 5677.0, 5339.0, 5396.0, 5475.0, 5305.0, 5479.0, 5365.0, 5495.0, 5422.0, 5698.0, 5380.0, 5518.0, 5488.0, 5608.0, 5395.0, 5508.0, 5550.0, 5294.0, 5527.0, 5299.0, 5389.0, 5325.0, 5458.0, 5272.0, 5261.0, 5640.0, 5279.0, 5541.0, 5313.0, 5263.0, 5521.0, 5592.0, 5356.0, 5410.0, 5659.0, 5633.0, 5584.0, 5511.0, 5529.0, 5689.0, 5303.0, 5583.0, 5701.0, 5482.0, 5545.0, 5590.0, 5585.0, 5464.0 (number of hits: 8)
14	5510	9	1	333	1	5660.0, 5394.0, 5518.0, 5487.0, 5283.0, 5620.0, 5310.0, 5483.0, 5285.0, 5557.0, 5565.0, 5614.0, 5319.0, 5592.0, 5548.0, 5350.0, 5277.0, 5589.0, 5313.0, 5389.0, 5657.0, 5724.0, 5707.0, 5628.0, 5649.0, 5567.0, 5253.0, 5488.0, 5635.0, 5311.0, 5362.0, 5263.0, 5270.0, 5703.0, 5720.0, 5539.0, 5489.0, 5597.0, 5351.0, 5499.0, 5401.0, 5312.0, 5402.0, 5507.0, 5678.0, 5684.0, 5522.0, 5437.0, 5656.0, 5346.0, 5501.0, 5634.0, 5613.0, 5572.0, 5525.0, 5468.0, 5358.0, 5529.0, 5443.0, 5545.0, 5439.0, 5647.0, 5317.0, 5385.0, 5540.0, 5710.0, 5616.0, 5708.0, 5653.0, 5257.0, 5544.0, 5456.0, 5528.0, 5561.0, 5337.0, 5269.0, 5608.0, 5432.0, 5661.0, 5256.0, 5722.0, 5293.0, 5298.0, 5341.0, 5618.0,

						5676.0, 5408.0, 5479.0, 5368.0, 5718.0, 5580.0, 5670.0, 5648.0, 5440.0, 5280.0, 5416.0, 5289.0, 5360.0, 5603.0, 5633.0 (number of hits: 8)
15	5510	9	1	333	1	5431.0, 5419.0, 5450.0, 5511.0, 5476.0, 5320.0, 5408.0, 5350.0, 5394.0, 5530.0, 5295.0, 5456.0, 5407.0, 5661.0, 5606.0, 5543.0, 5423.0, 5479.0, 5572.0, 5288.0, 5280.0, 5341.0, 5665.0, 5604.0, 5531.0, 5418.0, 5553.0, 5631.0, 5451.0, 5383.0, 5305.0, 5329.0, 5441.0, 5517.0, 5519.0, 5647.0, 5484.0, 5309.0, 5267.0, 5563.0, 5324.0, 5338.0, 5297.0, 5424.0, 5316.0, 5579.0, 5594.0, 5565.0, 5564.0, 5585.0, 5557.0, 5523.0, 5681.0, 5566.0, 5277.0, 5259.0, 5434.0, 5409.0, 5284.0, 5293.0, 5595.0, 5608.0, 5273.0, 5559.0, 5708.0, 5499.0, 5596.0, 5358.0, 5342.0, 5480.0, 5393.0, 5710.0, 5464.0, 5298.0, 5274.0, 5694.0, 5690.0, 5607.0, 5548.0, 5352.0, 5392.0, 5412.0, 5447.0, 5712.0, 5514.0, 5262.0, 5687.0, 5363.0, 5507.0, 5275.0, 5366.0, 5413.0, 5628.0, 5440.0, 5662.0, 5549.0, 5278.0, 5591.0, 5682.0, 5610.0 (number of hits: 7)
16	5510	9	1	333	1	5566.0, 5701.0, 5691.0, 5257.0, 5407.0, 5558.0, 5520.0, 5255.0, 5358.0, 5582.0, 5388.0, 5655.0, 5591.0, 5526.0, 5546.0, 5687.0, 5363.0, 5287.0, 5332.0, 5705.0, 5254.0, 5507.0, 5386.0, 5356.0, 5673.0, 5635.0, 5440.0, 5503.0, 5393.0, 5370.0, 5348.0, 5495.0, 5538.0, 5288.0, 5522.0, 5315.0, 5629.0, 5439.0, 5463.0, 5296.0, 5490.0, 5537.0, 5527.0, 5316.0, 5713.0, 5377.0, 5454.0, 5331.0, 5385.0, 5715.0, 5596.0, 5258.0, 5703.0, 5378.0, 5661.0, 5435.0, 5653.0, 5577.0, 5376.0, 5712.0, 5342.0, 5480.0, 5483.0, 5626.0, 5493.0, 5400.0, 5367.0, 5340.0, 5663.0, 5314.0, 5341.0, 5478.0, 5476.0, 5418.0, 5392.0, 5562.0, 5470.0, 5618.0, 5545.0, 5387.0, 5437.0, 5451.0, 5684.0, 5652.0, 5511.0, 5294.0, 5286.0, 5602.0, 5509.0, 5427.0, 5291.0, 5640.0, 5371.0, 5656.0, 5430.0, 5649.0, 5334.0, 5505.0, 5319.0, 5601.0 (number of hits: 12)
17	5510	9	1	333	1	5277.0, 5690.0, 5650.0, 5547.0, 5510.0, 5439.0, 5491.0, 5572.0, 5358.0, 5586.0, 5450.0, 5552.0, 5354.0, 5453.0, 5489.0, 5369.0, 5595.0, 5545.0, 5361.0, 5468.0, 5274.0, 5678.0, 5492.0, 5699.0, 5537.0, 5278.0, 5590.0, 5600.0, 5270.0, 5676.0, 5423.0, 5647.0, 5631.0, 5444.0, 5521.0, 5261.0, 5383.0, 5412.0, 5265.0, 5599.0, 5352.0, 5641.0, 5675.0, 5488.0, 5428.0, 5567.0, 5680.0, 5284.0, 5392.0, 5469.0, 5520.0, 5573.0, 5673.0, 5711.0, 5551.0, 5617.0, 5264.0, 5486.0, 5558.0, 5621.0, 5585.0, 5272.0, 5670.0, 5658.0, 5286.0,

						5476.0, 5509.0, 5563.0, 5526.0, 5334.0, 5507.0, 5427.0, 5635.0, 5408.0, 5627.0, 5636.0, 5273.0, 5251.0, 5702.0, 5309.0, 5499.0, 5298.0, 5467.0, 5548.0, 5417.0, 5653.0, 5378.0, 5310.0, 5331.0, 5710.0, 5280.0, 5393.0, 5426.0, 5490.0, 5569.0, 5587.0, 5339.0, 5288.0, 5324.0, 5306.0 (number of hits: 10)
18	5510	9	1	333	1	5534.0, 5371.0, 5497.0, 5438.0, 5697.0, 5505.0, 5437.0, 5491.0, 5333.0, 5695.0, 5290.0, 5337.0, 5431.0, 5253.0, 5560.0, 5426.0, 5474.0, 5568.0, 5370.0, 5313.0, 5399.0, 5660.0, 5623.0, 5311.0, 5414.0, 5647.0, 5411.0, 5507.0, 5691.0, 5517.0, 5394.0, 5594.0, 5635.0, 5417.0, 5314.0, 5620.0, 5454.0, 5430.0, 5397.0, 5693.0, 5547.0, 5473.0, 5639.0, 5670.0, 5700.0, 5526.0, 5288.0, 5501.0, 5391.0, 5634.0, 5651.0, 5379.0, 5484.0, 5629.0, 5262.0, 5303.0, 5339.0, 5270.0, 5545.0, 5408.0, 5688.0, 5694.0, 5612.0, 5724.0, 5257.0, 5581.0, 5652.0, 5407.0, 5525.0, 5455.0, 5661.0, 5478.0, 5389.0, 5429.0, 5649.0, 5405.0, 5256.0, 5460.0, 5655.0, 5622.0, 5327.0, 5476.0, 5268.0, 5442.0, 5403.0, 5619.0, 5419.0, 5539.0, 5711.0, 5300.0, 5459.0, 5312.0, 5332.0, 5469.0, 5675.0, 5492.0, 5607.0, 5553.0, 5368.0, 5506.0 (number of hits: 10)
19	5510	9	1	333	1	5290.0, 5393.0, 5384.0, 5368.0, 5495.0, 5298.0, 5594.0, 5696.0, 5654.0, 5553.0, 5558.0, 5705.0, 5438.0, 5496.0, 5296.0, 5419.0, 5492.0, 5531.0, 5440.0, 5398.0, 5692.0, 5406.0, 5456.0, 5704.0, 5323.0, 5554.0, 5307.0, 5265.0, 5525.0, 5650.0, 5474.0, 5415.0, 5592.0, 5601.0, 5616.0, 5437.0, 5663.0, 5665.0, 5624.0, 5477.0, 5582.0, 5687.0, 5485.0, 5499.0, 5396.0, 5587.0, 5488.0, 5693.0, 5720.0, 5360.0, 5340.0, 5361.0, 5690.0, 5365.0, 5351.0, 5370.0, 5280.0, 5443.0, 5317.0, 5427.0, 5387.0, 5315.0, 5293.0, 5343.0, 5711.0, 5636.0, 5455.0, 5655.0, 5611.0, 5494.0, 5372.0, 5664.0, 5623.0, 5701.0, 5682.0, 5606.0, 5506.0, 5646.0, 5367.0, 5287.0, 5316.0, 5399.0, 5345.0, 5358.0, 5626.0, 5409.0, 5346.0, 5714.0, 5713.0, 5694.0, 5329.0, 5679.0, 5565.0, 5470.0, 5522.0, 5466.0, 5689.0, 5452.0, 5451.0, 5429.0 (number of hits: 8)
20	5510	9	1	333	1	5564.0, 5602.0, 5289.0, 5462.0, 5651.0, 5417.0, 5638.0, 5534.0, 5257.0, 5382.0, 5376.0, 5259.0, 5433.0, 5625.0, 5542.0, 5613.0, 5360.0, 5691.0, 5661.0, 5577.0, 5518.0, 5547.0, 5510.0, 5689.0, 5266.0, 5445.0, 5416.0, 5378.0, 5581.0, 5622.0, 5424.0, 5405.0, 5292.0, 5693.0, 5682.0, 5485.0, 5442.0, 5656.0, 5331.0, 5450.0, 5632.0, 5344.0, 5524.0, 5671.0, 5337.0,

						5368.0, 5265.0, 5684.0, 5520.0, 5285.0, 5619.0, 5687.0, 5531.0, 5507.0, 5392.0, 5263.0, 5614.0, 5334.0, 5385.0, 5333.0, 5377.0, 5637.0, 5428.0, 5352.0, 5627.0, 5709.0, 5470.0, 5456.0, 5362.0, 5648.0, 5473.0, 5256.0, 5374.0, 5391.0, 5339.0, 5314.0, 5500.0, 5685.0, 5662.0, 5288.0, 5579.0, 5704.0, 5712.0, 5367.0, 5313.0, 5440.0, 5393.0, 5261.0, 5315.0, 5575.0, 5606.0, 5414.0, 5323.0, 5698.0, 5623.0, 5605.0, 5404.0, 5696.0, 5644.0, 5295.0 (number of hits: 6)
21	5530	9	1	333	1	5623.0, 5328.0, 5449.0, 5436.0, 5474.0, 5712.0, 5582.0, 5392.0, 5611.0, 5711.0, 5539.0, 5630.0, 5265.0, 5527.0, 5700.0, 5592.0, 5492.0, 5704.0, 5485.0, 5511.0, 5445.0, 5645.0, 5533.0, 5616.0, 5684.0, 5615.0, 5407.0, 5472.0, 5319.0, 5667.0, 5468.0, 5716.0, 5703.0, 5669.0, 5437.0, 5282.0, 5312.0, 5326.0, 5457.0, 5513.0, 5680.0, 5688.0, 5618.0, 5535.0, 5499.0, 5405.0, 5562.0, 5307.0, 5338.0, 5456.0, 5571.0, 5254.0, 5659.0, 5454.0, 5643.0, 5594.0, 5421.0, 5626.0, 5552.0, 5650.0, 5352.0, 5422.0, 5446.0, 5537.0, 5441.0, 5346.0, 5674.0, 5706.0, 5521.0, 5507.0, 5660.0, 5377.0, 5290.0, 5515.0, 5587.0, 5311.0, 5357.0, 5681.0, 5291.0, 5673.0, 5637.0, 5402.0, 5329.0, 5586.0, 5318.0, 5541.0, 5349.0, 5509.0, 5342.0, 5694.0, 5299.0, 5336.0, 5263.0, 5451.0, 5360.0, 5501.0, 5350.0, 5304.0, 5656.0, 5632.0 (number of hits: 10)
22	5530	9	1	333	1	5513.0, 5387.0, 5296.0, 5345.0, 5298.0, 5632.0, 5307.0, 5694.0, 5413.0, 5579.0, 5263.0, 5336.0, 5622.0, 5697.0, 5433.0, 5529.0, 5434.0, 5284.0, 5286.0, 5486.0, 5584.0, 5409.0, 5663.0, 5612.0, 5464.0, 5304.0, 5630.0, 5483.0, 5364.0, 5536.0, 5485.0, 5437.0, 5618.0, 5384.0, 5711.0, 5722.0, 5427.0, 5642.0, 5333.0, 5353.0, 5563.0, 5605.0, 5450.0, 5369.0, 5282.0, 5392.0, 5566.0, 5607.0, 5662.0, 5291.0, 5611.0, 5421.0, 5311.0, 5457.0, 5391.0, 5378.0, 5644.0, 5571.0, 5431.0, 5251.0, 5272.0, 5627.0, 5356.0, 5400.0, 5432.0, 5302.0, 5278.0, 5357.0, 5625.0, 5599.0, 5346.0, 5367.0, 5320.0, 5365.0, 5406.0, 5293.0, 5453.0, 5633.0, 5504.0, 5589.0, 5543.0, 5496.0, 5516.0, 5402.0, 5492.0, 5382.0, 5355.0, 5621.0, 5532.0, 5419.0, 5499.0, 5560.0, 5301.0, 5338.0, 5270.0, 5604.0, 5525.0, 5473.0, 5368.0, 5619.0 (number of hits: 7)
23	5530	9	1	333	1	5299.0, 5330.0, 5576.0, 5658.0, 5624.0, 5359.0, 5693.0, 5480.0, 5292.0, 5709.0, 5251.0, 5665.0, 5609.0, 5607.0, 5252.0, 5585.0, 5599.0, 5351.0, 5549.0, 5264.0, 5644.0, 5424.0, 5526.0, 5688.0, 5398.0,

						5386.0, 5619.0, 5325.0, 5416.0, 5301.0, 5335.0, 5337.0, 5578.0, 5714.0, 5723.0, 5706.0, 5298.0, 5527.0, 5610.0, 5638.0, 5518.0, 5382.0, 5441.0, 5632.0, 5352.0, 5634.0, 5293.0, 5375.0, 5376.0, 5419.0, 5689.0, 5439.0, 5543.0, 5392.0, 5321.0, 5487.0, 5596.0, 5539.0, 5283.0, 5667.0, 5641.0, 5713.0, 5426.0, 5470.0, 5333.0, 5329.0, 5628.0, 5309.0, 5679.0, 5622.0, 5683.0, 5498.0, 5478.0, 5410.0, 5468.0, 5310.0, 5469.0, 5444.0, 5673.0, 5579.0, 5506.0, 5649.0, 5304.0, 5575.0, 5552.0, 5401.0, 5636.0, 5345.0, 5504.0, 5408.0, 5474.0, 5260.0, 5495.0, 5278.0, 5414.0, 5559.0, 5254.0, 5694.0, 5379.0, 5604.0 (number of hits: 6)
24	5530	9	1	333	1	5704.0, 5491.0, 5614.0, 5276.0, 5493.0, 5465.0, 5532.0, 5390.0, 5449.0, 5259.0, 5650.0, 5585.0, 5450.0, 5389.0, 5311.0, 5682.0, 5314.0, 5386.0, 5421.0, 5265.0, 5331.0, 5669.0, 5546.0, 5303.0, 5706.0, 5708.0, 5525.0, 5365.0, 5444.0, 5705.0, 5335.0, 5590.0, 5520.0, 5707.0, 5284.0, 5529.0, 5445.0, 5501.0, 5431.0, 5350.0, 5631.0, 5470.0, 5635.0, 5294.0, 5637.0, 5703.0, 5364.0, 5569.0, 5671.0, 5600.0, 5580.0, 5405.0, 5492.0, 5400.0, 5514.0, 5680.0, 5318.0, 5626.0, 5469.0, 5641.0, 5599.0, 5454.0, 5629.0, 5544.0, 5302.0, 5455.0, 5440.0, 5363.0, 5618.0, 5523.0, 5503.0, 5654.0, 5401.0, 5582.0, 5553.0, 5698.0, 5367.0, 5574.0, 5711.0, 5368.0, 5688.0, 5716.0, 5647.0, 5357.0, 5517.0, 5572.0, 5543.0, 5686.0, 5288.0, 5720.0, 5252.0, 5535.0, 5346.0, 5282.0, 5684.0, 5672.0, 5628.0, 5536.0, 5273.0, 5539.0 (number of hits: 13)
25	5530	9	1	333	1	5418.0, 5362.0, 5580.0, 5278.0, 5633.0, 5640.0, 5581.0, 5285.0, 5486.0, 5597.0, 5469.0, 5316.0, 5563.0, 5582.0, 5695.0, 5614.0, 5441.0, 5437.0, 5667.0, 5616.0, 5699.0, 5293.0, 5368.0, 5365.0, 5264.0, 5257.0, 5370.0, 5324.0, 5601.0, 5533.0, 5669.0, 5536.0, 5721.0, 5498.0, 5475.0, 5379.0, 5682.0, 5332.0, 5318.0, 5406.0, 5310.0, 5342.0, 5554.0, 5548.0, 5697.0, 5409.0, 5566.0, 5549.0, 5658.0, 5494.0, 5708.0, 5531.0, 5685.0, 5445.0, 5592.0, 5399.0, 5518.0, 5411.0, 5301.0, 5425.0, 5638.0, 5540.0, 5688.0, 5521.0, 5576.0, 5500.0, 5452.0, 5710.0, 5470.0, 5585.0, 5602.0, 5701.0, 5595.0, 5664.0, 5374.0, 5268.0, 5615.0, 5625.0, 5303.0, 5333.0, 5360.0, 5488.0, 5557.0, 5694.0, 5622.0, 5353.0, 5397.0, 5338.0, 5637.0, 5532.0, 5373.0, 5377.0, 5687.0, 5429.0, 5386.0, 5569.0, 5605.0, 5560.0, 5442.0, 5657.0 (number of hits: 9)
26	5530	9	1	333	1	5401.0, 5669.0, 5437.0, 5500.0, 5251.0,

						5511.0, 5711.0, 5337.0, 5332.0, 5506.0, 5483.0, 5540.0, 5389.0, 5402.0, 5696.0, 5301.0, 5505.0, 5362.0, 5601.0, 5708.0, 5654.0, 5578.0, 5576.0, 5526.0, 5382.0, 5491.0, 5563.0, 5665.0, 5467.0, 5338.0, 5619.0, 5419.0, 5504.0, 5717.0, 5360.0, 5710.0, 5458.0, 5309.0, 5438.0, 5277.0, 5478.0, 5339.0, 5624.0, 5541.0, 5470.0, 5349.0, 5605.0, 5495.0, 5408.0, 5520.0, 5262.0, 5395.0, 5454.0, 5433.0, 5667.0, 5531.0, 5666.0, 5682.0, 5399.0, 5509.0, 5632.0, 5350.0, 5679.0, 5634.0, 5330.0, 5372.0, 5416.0, 5684.0, 5503.0, 5294.0, 5359.0, 5621.0, 5618.0, 5487.0, 5597.0, 5480.0, 5474.0, 5691.0, 5418.0, 5323.0, 5463.0, 5456.0, 5589.0, 5263.0, 5594.0, 5457.0, 5311.0, 5499.0, 5560.0, 5642.0, 5326.0, 5687.0, 5702.0, 5542.0, 5403.0, 5272.0, 5306.0, 5451.0, 5617.0, 5720.0 (number of hits: 7)
27	5530	9	1	333	1	5469.0, 5330.0, 5511.0, 5675.0, 5380.0, 5421.0, 5306.0, 5290.0, 5422.0, 5710.0, 5475.0, 5323.0, 5596.0, 5259.0, 5468.0, 5593.0, 5612.0, 5645.0, 5568.0, 5332.0, 5715.0, 5522.0, 5317.0, 5281.0, 5359.0, 5377.0, 5263.0, 5692.0, 5534.0, 5257.0, 5624.0, 5570.0, 5333.0, 5503.0, 5487.0, 5688.0, 5292.0, 5523.0, 5355.0, 5529.0, 5425.0, 5366.0, 5592.0, 5449.0, 5571.0, 5542.0, 5505.0, 5608.0, 5685.0, 5378.0, 5673.0, 5358.0, 5463.0, 5260.0, 5576.0, 5669.0, 5717.0, 5316.0, 5364.0, 5535.0, 5618.0, 5537.0, 5416.0, 5285.0, 5324.0, 5494.0, 5531.0, 5408.0, 5711.0, 5698.0, 5442.0, 5563.0, 5526.0, 5400.0, 5575.0, 5672.0, 5670.0, 5539.0, 5256.0, 5658.0, 5413.0, 5721.0, 5699.0, 5476.0, 5681.0, 5419.0, 5467.0, 5587.0, 5446.0, 5273.0, 5474.0, 5309.0, 5516.0, 5630.0, 5329.0, 5597.0, 5582.0, 5347.0, 5606.0, 5540.0 (number of hits: 13)
28	5530	9	1	333	1	5671.0, 5380.0, 5409.0, 5510.0, 5366.0, 5344.0, 5429.0, 5460.0, 5406.0, 5605.0, 5328.0, 5586.0, 5412.0, 5604.0, 5573.0, 5628.0, 5352.0, 5566.0, 5521.0, 5562.0, 5702.0, 5403.0, 5414.0, 5282.0, 5484.0, 5536.0, 5713.0, 5486.0, 5548.0, 5493.0, 5590.0, 5674.0, 5345.0, 5654.0, 5303.0, 5383.0, 5599.0, 5720.0, 5479.0, 5466.0, 5696.0, 5418.0, 5606.0, 5254.0, 5390.0, 5712.0, 5689.0, 5675.0, 5641.0, 5581.0, 5632.0, 5313.0, 5377.0, 5267.0, 5509.0, 5458.0, 5432.0, 5676.0, 5698.0, 5407.0, 5381.0, 5610.0, 5375.0, 5385.0, 5263.0, 5497.0, 5277.0, 5525.0, 5621.0, 5544.0, 5711.0, 5353.0, 5401.0, 5677.0, 5607.0, 5425.0, 5714.0, 5482.0, 5314.0, 5717.0, 5384.0, 5561.0, 5506.0, 5300.0, 5396.0, 5496.0, 5489.0, 5551.0, 5617.0, 5470.0,

						5475.0, 5512.0, 5419.0, 5355.0, 5513.0, 5723.0, 5663.0, 5312.0, 5491.0, 5549.0 (number of hits: 9)
29	5530	9	1	333	1	5702.0, 5456.0, 5712.0, 5559.0, 5252.0, 5575.0, 5519.0, 5423.0, 5374.0, 5513.0, 5373.0, 5365.0, 5297.0, 5608.0, 5268.0, 5609.0, 5632.0, 5610.0, 5282.0, 5313.0, 5461.0, 5590.0, 5409.0, 5421.0, 5525.0, 5710.0, 5462.0, 5675.0, 5397.0, 5504.0, 5469.0, 5489.0, 5569.0, 5403.0, 5550.0, 5256.0, 5693.0, 5568.0, 5545.0, 5320.0, 5414.0, 5517.0, 5523.0, 5325.0, 5400.0, 5463.0, 5495.0, 5254.0, 5401.0, 5450.0, 5586.0, 5576.0, 5348.0, 5717.0, 5488.0, 5342.0, 5494.0, 5445.0, 5593.0, 5279.0, 5722.0, 5353.0, 5558.0, 5703.0, 5290.0, 5542.0, 5633.0, 5658.0, 5552.0, 5358.0, 5287.0, 5369.0, 5719.0, 5417.0, 5502.0, 5529.0, 5302.0, 5367.0, 5695.0, 5319.0, 5385.0, 5602.0, 5476.0, 5253.0, 5341.0, 5316.0, 5628.0, 5251.0, 5276.0, 5350.0, 5692.0, 5676.0, 5696.0, 5622.0, 5465.0, 5491.0, 5528.0, 5429.0, 5255.0, 5631.0 (number of hits: 9)
30	5530	9	1	333	1	5521.0, 5376.0, 5261.0, 5449.0, 5556.0, 5464.0, 5718.0, 5614.0, 5370.0, 5431.0, 5408.0, 5347.0, 5710.0, 5317.0, 5257.0, 5276.0, 5648.0, 5554.0, 5363.0, 5702.0, 5285.0, 5623.0, 5574.0, 5537.0, 5576.0, 5414.0, 5628.0, 5595.0, 5406.0, 5706.0, 5646.0, 5586.0, 5329.0, 5413.0, 5259.0, 5311.0, 5388.0, 5580.0, 5379.0, 5572.0, 5336.0, 5643.0, 5540.0, 5451.0, 5560.0, 5695.0, 5681.0, 5620.0, 5472.0, 5588.0, 5303.0, 5600.0, 5690.0, 5251.0, 5645.0, 5507.0, 5485.0, 5305.0, 5693.0, 5506.0, 5477.0, 5656.0, 5463.0, 5703.0, 5419.0, 5428.0, 5469.0, 5660.0, 5309.0, 5348.0, 5450.0, 5563.0, 5367.0, 5696.0, 5602.0, 5289.0, 5409.0, 5297.0, 5720.0, 5454.0, 5250.0, 5476.0, 5689.0, 5486.0, 5389.0, 5677.0, 5308.0, 5275.0, 5344.0, 5553.0, 5355.0, 5401.0, 5708.0, 5304.0, 5665.0, 5334.0, 5692.0, 5571.0, 5675.0, 5495.0 (number of hits: 3)

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	100 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	93.33 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5530 MHz, 80 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5530	59	1	898	1
2	5530	68	1	778	1
3	5530	76	1	698	1
4	5530	74	1	718	1
5	5530	95	1	558	1
6	5490	86	1	618	1
7	5490	72	1	738	1
8	5490	67	1	798	1
9	5490	70	1	758	1
10	5490	62	1	858	1
11	5570	63	1	838	1
12	5570	65	1	818	1
13	5570	57	1	938	1
14	5570	83	1	638	1
15	5570	61	1	878	1
16	5530	37	1	1432	1
17	5530	56	1	959	1
18	5530	64	1	825	1
19	5530	35	1	1551	1
20	5530	20	1	2664	1
21	5490	27	1	1993	1
22	5490	72	1	737	1
23	5490	27	1	1962	1
24	5490	21	1	2575	1
25	5490	38	1	1396	1
26	5570	59	1	908	1
27	5570	22	1	2489	1
28	5570	22	1	2509	1
29	5570	24	1	2201	1
30	5570	21	1	2543	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	28	1.5	199	1
2	5530	25	1.1	205	1
3	5530	23	4.1	177	1
4	5530	26	2.5	207	1
5	5530	27	3	221	1
6	5530	23	1	215	1
7	5530	29	2.3	163	1
8	5530	26	3.6	151	1
9	5530	28	4.3	193	1
10	5530	28	3.7	204	1
11	5490	23	4.5	225	1
12	5490	25	1.2	213	1
13	5490	23	1.2	166	1
14	5490	24	1.1	153	1
15	5490	23	1.9	227	1
16	5490	23	4.7	158	1
17	5490	25	3.4	178	1
18	5490	23	1.6	159	1
19	5490	26	1.4	228	1
20	5490	28	2.6	221	1
21	5570	27	1.4	224	1
22	5570	24	3	197	1
23	5570	25	1	174	1
24	5570	29	4.8	188	1
25	5570	29	4.4	152	1
26	5570	26	3.7	196	1
27	5570	29	4.6	182	1
28	5570	24	2.6	184	1
29	5570	23	4.3	212	1
30	5570	28	2.6	159	1
Detection Percentage: 100 % (>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	16	7.7	227	1
2	5530	16	9.5	235	1
3	5530	16	8.5	232	1
4	5530	18	7.2	442	1
5	5530	18	10	256	1
6	5530	18	7	385	1
7	5530	16	8.6	278	1
8	5530	16	7.5	463	1
9	5530	16	8.1	265	1
10	5530	18	6.3	494	1
11	5490	18	8	214	0
12	5490	16	8.6	342	1
13	5490	18	8.2	242	1
14	5490	18	8.8	466	1
15	5490	18	8.6	393	1
16	5490	18	9.6	239	0
17	5490	17	7.2	318	1
18	5490	16	8.7	379	1
19	5490	18	6.4	341	1
20	5490	16	6.5	432	1
21	5570	18	6.1	306	1
22	5570	17	7.7	297	1
23	5570	18	6	399	1
24	5570	18	6.1	421	1
25	5570	16	6.5	315	1
26	5570	18	8.7	335	1
27	5570	16	8.3	315	0
28	5570	16	9	454	1
29	5570	18	6.2	398	1
30	5570	16	9.9	292	1
Detection Percentage: 90 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	16	17.7	398	1
2	5530	14	18.7	358	1
3	5530	14	19.5	354	1
4	5530	12	16.9	379	1
5	5530	15	16.2	375	1
6	5530	14	12.3	283	0
7	5530	15	19.7	486	1
8	5530	12	17.9	314	1
9	5530	15	18.8	315	1
10	5530	14	12.8	253	1
11	5490	14	15.8	248	0
12	5490	13	11.9	361	1
13	5490	15	12.3	354	1
14	5490	13	11.7	347	1
15	5490	15	12.2	384	1
16	5490	14	13	330	1
17	5490	16	17.1	460	0
18	5490	16	14.6	421	1
19	5490	12	17.1	286	1
20	5490	16	19.3	241	1
21	5570	16	13.3	215	1
22	5570	16	15.3	263	1
23	5570	15	16.1	219	1
24	5570	16	11.9	246	1
25	5570	15	19.2	263	0
26	5570	12	13	211	0
27	5570	13	19.3	320	1
28	5570	12	19.3	377	1
29	5570	15	16.8	354	1
30	5570	12	17.2	442	1
Detection Percentage: 83.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5494.8	1
12	5495.6	1
13	5496.4	1
14	5492.8	1
15	5494.8	1
16	5496.0	1
17	5496.0	1
18	5494.4	1
19	5493.2	1
20	5494.0	1
21	5566.0	1
22	5565.2	1
23	5562.4	1
24	5564.4	1
25	5563.2	1
26	5566.4	1
27	5565.6	1
28	5564.8	1
29	5562.8	1
30	5566.8	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	60.4	1906	1668	0.627724	
1	2	13	86	1108		1.192964	
2	2	13	74.8	1560		1.602247	
3	2	13	99.3	1146		2.246065	
4	3	13	52.1	1083	1812	3.030141	
5	2	13	81.2	1582		3.629731	
6	2	13	81.5	1682		4.74043	
7	3	13	65.8	1052	1052	5.14715	
8	2	13	88.3	1838		6.310005	1
9	2	13	88.8	1750		6.943879	
10	1	13	90			7.608973	
11	2	13	63.9	1996		8.429156	
12	1	13	64.8			8.994794	
13	2	13	69.3	1410		9.653822	
14	1	13	54.1			9.925459	
15	3	13	86.8	1919	1094	10.792065	
16	2	13	54.3	1560		11.457085	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	79.6	1310	1674	0.417235	
1	1	12	65.2			1.257374	
2	2	12	91.6	1625		1.880721	
3	3	12	63.5	1762	1936	2.592315	
4	2	12	70.4	1127		2.958848	
5	2	12	89.7	1967		3.433128	
6	2	12	84.2	1033		4.520302	
7	3	12	71	1068	1332	4.997321	
8	2	12	81.6	1381		5.560977	
9	2	12	67.6	1238		6.445981	1
10	3	12	57.5	1445	1364	7.148082	
11	3	12	74.4	1316	1722	7.884584	
12	2	12	78.5	1391		8.352659	
13	2	12	91.4	1539		8.959424	
14	3	12	90.2	1276	1689	9.823846	
15	2	12	91.5	1808		10.605813	
16	2	12	80.2	1741		11.061496	
17	3	12	90.2	1331	1662	11.555346	

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	9	61.1	1755		0.839711	
1	2	9	61.1	1737		1.681609	
2	3	9	86.7	1859	1053	2.325548	
3	2	9	74.9	1169		3.509021	
4	3	9	76.3	1748	1072	5.345258	
5	3	9	58.3	1949	1982	6.501829	1
6	2	9	94.2	1474		7.244114	
7	1	9	53.4			7.686109	
8	2	9	82.3	1405		9.561794	
9	2	9	68.3	1584		10.070459	
10	1	9	98.5			11.129637	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	83.2	1915		0.704369	
1	2	10	65.7	1839		1.658758	
2	1	10	94.1			2.799959	
3	1	10	68			3.781023	
4	1	10	79.4			5.071445	
5	1	10	83.9			5.595759	1
6	2	10	95.3	1612		7.413148	
7	2	10	83.8	1446		8.391268	
8	1	10	51.9			9.327225	
9	2	10	97.9	1126		10.859887	
10	2	10	88.7	1872		11.346582	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	53.8	1245	1373	0.783918	
1	3	6	97	1583	1165	2.645774	
2	3	6	80.3	1318	1508	3.80827	
3	2	6	80	1362		4.817029	
4	2	6	80.8	1129		6.044562	1
5	2	6	67.2	1173		7.811752	
6	3	6	84	1689	1464	8.040903	
7	2	6	72.5	1301		9.435438	
8	2	6	83.4	1030		11.050085	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	80.6	1822		1.067554	
1	2	15	53.7	1003		1.876878	
2	2	15	94.1	1693		2.99517	
3	3	15	66.6	1838	1630	4.442855	
4	1	15	89.3			5.255402	
5	2	15	52.5	1312		7.185675	1
6	1	15	89.1			8.264086	
7	3	15	89.5	1800	1041	8.482835	
8	3	15	66.2	1771	1794	10.169463	
9	2	15	90.7	1903		10.912424	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	65.3	1888		0.413526	
1	2	6	88	1658		1.23772	
2	2	6	71.5	1003		2.336197	
3	2	6	56	1865		2.54802	
4	1	6	67.3			3.597315	
5	3	6	87.8	1212	1496	4.186481	
6	1	6	58.6			5.024827	
7	1	6	80.2			6.355948	1
8	3	6	73.3	1193	1070	6.441578	
9	2	6	88.7	1154		7.773608	
10	2	6	91.1	1135		8.034647	
11	2	6	57.1	1712		9.45397	
12	2	6	97.7	1870		9.839629	
13	1	6	87.3			10.455604	
14	3	6	92.6	1164	1938	11.980702	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	88.8	1441		0.201176	
1	2	7	77.7	1684		1.224705	
2	3	7	75	1695	1181	1.607801	
3	2	7	92.5	1502		2.340332	
4	2	7	50.8	1596		2.747817	
5	2	7	52.4	1275		3.348427	
6	1	7	80.9			4.241825	
7	3	7	97.9	1101	1912	4.891349	
8	1	7	65.2			5.186194	
9	3	7	79.6	1111	1337	5.867044	1
10	1	7	94			6.882439	
11	1	7	88.7			7.376477	
12	2	7	51.4	1072		8.075968	
13	2	7	81.7	1867		8.458948	
14	2	7	50.4	1369		8.892423	
15	1	7	77.5			9.730088	
16	3	7	84.9	1444	1651	10.24655	
17	2	7	74.8	1305		10.916565	
18	2	7	92	1798		11.921546	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	76.9	1404	1913	0.217597	
1	3	10	99.7	1336	1297	1.84563	
2	3	10	59.3	1438	1484	2.856124	
3	1	10	57.8			4.21463	
4	3	10	77.9	1397	1011	5.662831	1
5	1	10	84			6.093737	
6	1	10	57.4			8.028672	
7	3	10	50.6	1784	1648	9.510799	
8	2	10	94.7	1682		10.654089	
9	2	10	52.5	1400		11.722513	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	86.6	1868		0.736324	
1	2	14	85.2	1124		0.915784	
2	2	14	54	1073		2.102547	
3	1	14	96.2			2.370226	
4	1	14	97.3			3.108234	
5	3	14	92.8	1392	1820	3.756272	
6	1	14	98.4			4.64942	
7	1	14	99			5.535088	
8	2	14	56.9	1445		6.050997	1
9	2	14	85.6	1551		7.310452	
10	3	14	64.8	1958	1905	8.142868	
11	2	14	64.5	1536		8.309405	
12	3	14	79.4	1183	1343	9.15921	
13	3	14	85.5	1082	1478	10.446888	
14	2	14	55.5	1425		10.743123	
15	2	14	93.8	1284		11.447449	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	85.3	1332	1376	0.293917	
1	2	12	87	1156		1.818898	
2	3	12	60.6	1056	1925	3.08975	
3	3	12	88.8	1957	1981	4.348537	
4	3	12	89.5	1373	1620	4.734874	
5	1	12	88.4			5.818031	1
6	2	12	52.8	1492		6.775676	
7	2	12	64.8	1393		8.658678	
8	2	12	70.5	1009		9.464493	
9	2	12	63.4	1948		10.711928	
10	2	12	62.5	1188		11.349861	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	65.4	1637		0.405325	
1	2	14	68.3	1207		1.215963	
2	3	14	70.4	1548	1854	2.39723	
3	3	14	72.8	1549	1283	4.196024	
4	2	14	80.9	1695		4.628856	
5	2	14	60.3	1878		6.206995	1
6	1	14	66.7			7.139757	
7	1	14	62.5			8.293024	
8	2	14	66.9	1049		8.854676	
9	2	14	74.8	1705		10.358489	
10	3	14	52	1612	1176	11.861214	

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	16	58.9	1182		0.267891	
1	3	16	59.6	1707	1245	1.092861	
2	1	16	66.4			1.614892	
3	3	16	92	1788	1180	2.528707	
4	3	16	56.9	1320	1162	3.18897	
5	1	16	60.7			3.922337	
6	3	16	50.6	1911	1110	5.207888	
7	1	16	61.4			5.849862	1
8	2	16	85.5	1966		6.633922	
9	2	16	62.5	1978		7.27525	
10	1	16	92.8			7.869642	
11	2	16	85.1	1555		8.39523	
12	1	16	73.1			9.340795	
13	2	16	76.2	1826		9.957364	
14	3	16	89.7	1900	1993	10.768749	
15	2	16	68	1507		11.93274	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	86.9			0.816207	
1	1	7	56.4			1.604359	
2	1	7	51.5			2.428233	
3	3	7	51.5	1244	1634	2.87228	
4	2	7	92.4	1079		3.768171	
5	1	7	96.1			4.679379	
6	2	7	78.2	1614		5.325954	
7	2	7	91.4	1532		6.45792	1
8	1	7	63.4			7.373001	
9	1	7	68.8			8.377735	
10	2	7	56.9	1766		8.574857	
11	2	7	54.7	1722		10.013209	
12	1	7	80.9			10.384636	
13	2	7	72.3	1276		11.726308	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	94.9	1951	1400	0.230955	
1	3	12	96.9	1625	1997	0.902055	
2	1	12	96.5			1.526615	
3	1	12	77.9			2.820011	
4	2	12	82.2	1355		3.138854	
5	2	12	56.4	1037		4.191498	
6	1	12	55.7			5.050788	
7	2	12	84.7	1610		5.743553	
8	2	12	76.8	1760		6.245641	1
9	2	12	72.1	1143		6.976499	
10	3	12	85.1	1546	1337	8.217935	
11	1	12	94.6			8.902602	
12	3	12	72.7	1935	1666	9.511401	
13	2	12	98.3	1892		9.777322	
14	1	12	57			10.694754	
15	1	12	53.2			11.95607	

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	15	62.4	1944		0.448342	
1	2	15	99.5	1656		1.085901	
2	2	15	55.9	1597		1.873654	
3	3	15	73.6	1359	1270	2.081179	
4	2	15	90.3	1319		3.083519	
5	3	15	91.5	1789	1532	3.738298	
6	3	15	89.5	1466	1432	4.309511	
7	1	15	77.7			4.970615	
8	2	15	53.4	1142		5.432589	
9	3	15	60.3	1698	1708	6.087397	1
10	3	15	89.4	1411	1266	6.790793	
11	1	15	87.9			6.955963	
12	1	15	55.8			7.98177	
13	2	15	88.4	1014		8.33863	
14	1	15	51			9.388557	
15	3	15	81.6	1355	1426	10.084231	
16	3	15	75.4	1138	1461	10.230951	
17	3	15	70.1	1669	1249	10.830741	
18	3	15	81.3	1382	1848	11.433756	

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	59.2	1743	1051	0.048171	
1	2	15	94.9	1416		0.688001	
2	3	15	54.3	1661	1426	1.537079	
3	1	15	77.6			2.346085	
4	2	15	60.3	1285		2.858784	
5	1	15	79.9			3.177845	
6	1	15	57.5			4.276218	
7	3	15	83.5	1833	1712	4.705477	
8	1	15	59.8			5.193106	
9	2	15	51.8	1009		6.218288	1
10	2	15	59.3	1879		6.508076	
11	1	15	66.2			6.953109	
12	2	15	77.5	1345		7.901218	
13	2	15	54.4	1837		8.739017	
14	3	15	54.2	1415	1799	8.851023	
15	1	15	91.2			9.86142	
16	1	15	51.1			10.522507	
17	1	15	63.8			11.197907	
18	2	15	79	1564		11.625925	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	59.6			0.107265	
1	2	11	82.6	1126		1.929875	
2	2	11	99.7	1038		2.763271	
3	2	11	81.9	1521		4.814896	
4	3	11	92.3	1517	1419	6.341886	1
5	3	11	87.5	1212	1281	6.897592	
6	2	11	89.6	1579		8.269335	
7	2	11	91.5	1037		10.519445	
8	2	11	85.2	1476		11.153431	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	54	1335		0.55472	
1	2	8	80.1	1769		0.857657	
2	2	8	67.4	1495		2.031784	
3	2	8	75.4	1179		2.554979	
4	2	8	99.4	1906		3.861274	
5	3	8	87.7	1283	1419	4.389779	
6	2	8	99.4	1342		5.265996	
7	3	8	72.7	1525	1586	5.831421	1
8	2	8	59.4	1648		7.010613	
9	1	8	72.7			7.892458	
10	3	8	97.4	1743	1981	8.53249	
11	2	8	67.1	1236		8.874097	
12	3	8	62	1699	1998	9.628339	
13	2	8	54.1	1997		11.05645	
14	2	8	69	1281		11.446431	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	96			0.074886	
1	3	10	74.9	1103	1570	1.200377	
2	3	10	95.8	1655	1510	1.773791	
3	2	10	70.6	1756		2.536686	
4	2	10	72.3	1102		3.428259	
5	3	10	65.7	1809	1469	3.988149	
6	3	10	84.6	1148	1638	4.488631	
7	2	10	55	1673		5.287182	
8	2	10	67	1406		6.252314	1
9	3	10	76.7	1701	1032	6.791756	
10	1	10	99			7.569825	
11	3	10	51.8	1212	1582	7.859983	
12	3	10	90.5	1256	1500	8.630938	
13	1	10	84.7			9.801458	
14	2	10	51.2	1165		10.317951	
15	3	10	66.3	1686	1179	10.783272	
16	1	10	54			11.784469	

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	62.2	1024		0.958275	
1	3	10	81.2	1841	1561	1.03769	
2	1	10	84.1			2.133245	
3	2	10	78.9	1991		3.912908	
4	1	10	77.4			4.816601	
5	3	10	72.3	1001	1506	5.05442	1
6	1	10	63.8			6.757989	
7	1	10	62.1			7.424438	
8	2	10	71.8	1475		8.54738	
9	1	10	70.5			9.924138	
10	1	10	57.9			10.905432	
11	3	10	91	1583	1309	11.858089	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	53.1			0.278827	
1	3	12	72.8	1197	1316	1.676875	
2	1	12	63.8			2.392974	
3	2	12	64.7	1970		3.635564	
4	3	12	65.5	1301	1010	4.184173	
5	1	12	84.5			5.491837	
6	1	12	93.3			5.974668	1
7	2	12	54.8	1853		7.32662	
8	1	12	69.2			7.966451	
9	1	12	61.1			9.132341	
10	2	12	95.7	1487		9.957167	
11	2	12	90.6	1619		10.178343	
12	2	12	77.6	1243		11.410227	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	54.6	1069		0.749674	
1	1	19	84.2			1.158321	
2	2	19	73.5	1350		2.23402	
3	3	19	70.3	1209	1970	2.527378	
4	3	19	99.4	1693	1488	3.547631	
5	3	19	61.8	1180	1227	4.569641	
6	2	19	87	1221		5.340595	
7	2	19	96.9	1661		6.001587	1
8	2	19	93.9	1997		7.146825	
9	3	19	66.5	1972	1314	7.601147	
10	3	19	94.4	1023	1403	8.7547	
11	2	19	91.4	1784		9.502132	
12	2	19	87	1934		10.390698	
13	3	19	95.7	1427	1605	11.03682	
14	2	19	59.3	1376		11.663622	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	85.1	1355		0.218583	
1	3	14	75.5	1237	1945	1.148895	
2	2	14	74.1	1794		2.0891	
3	1	14	87.7			2.792968	
4	3	14	96.2	1364	1108	3.503541	
5	1	14	87.1			4.372394	
6	3	14	54	1388	1100	5.710028	
7	2	14	94.4	1251		6.095534	1
8	3	14	65.1	1872	1418	7.171824	
9	3	14	68.6	1375	1751	7.757295	
10	1	14	81.4			9.165406	
11	2	14	98.6	1157		9.929175	
12	1	14	70.4			10.663361	
13	3	14	72.2	2000	1666	11.991664	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	59.2			0.446869	
1	3	17	60.4	1686	1956	1.393162	
2	3	17	56	1215	1097	2.341796	
3	2	17	67.7	1485		3.156461	
4	1	17	58.8			3.439157	
5	2	17	67.8	1722		4.490506	
6	1	17	68.5			5.562531	
7	2	17	87.1	1151		5.718273	1
8	3	17	58	1346	1188	6.79383	
9	1	17	75.8			7.862951	
10	2	17	71.1	1622		8.233629	
11	3	17	97.5	1652	1385	9.028687	
12	1	17	85.1			9.934916	
13	2	17	90.5	1364		10.657001	
14	2	17	54.5	1577		11.717803	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	75.5	1893		0.271236	
1	3	9	83.9	1586	1514	0.961788	
2	2	9	66.4	1616		1.709879	
3	3	9	99.1	1427	1107	2.969622	
4	1	9	99.2			3.404296	
5	2	9	65.1	1033		4.331055	
6	2	9	56.4	1094		4.785676	
7	2	9	82.5	1735		5.473472	
8	2	9	85.3	1606		6.033653	1
9	3	9	82.3	1924	1682	7.147645	
10	3	9	80.7	1492	1876	7.77938	
11	2	9	92.9	1570		8.860011	
12	2	9	73.2	1042		9.359566	
13	2	9	83	1045		10.181006	
14	2	9	55.5	1652		10.586615	
15	2	9	97.8	1726		11.290703	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	64.3	1388		0.237232	
1	2	11	56.8	1401		1.108709	
2	2	11	89.1	1760		1.553181	
3	1	11	85.6			2.220441	
4	2	11	83.3	1933		2.5039	
5	2	11	72.9	1223		3.090317	
6	2	11	55.1	1352		3.982657	
7	1	11	78.5			4.614701	
8	2	11	79.1	1383		5.210269	
9	3	11	53.4	1539	1900	5.702704	1
10	1	11	67.6			6.109777	
11	2	11	79.8	1714		6.94301	
12	1	11	64.8			7.442449	
13	2	11	50.2	1701		7.861669	
14	2	11	69.3	1234		8.462238	
15	3	11	65	1077	1191	9.21983	
16	2	11	56.2	1372		10.182781	
17	2	11	91.7	1749		10.281532	
18	2	11	92.6	1095		11.098878	
19	1	11	93.2			11.461858	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	79.1	1838		0.123212	
1	2	13	50.3	1957		1.465892	
2	2	13	80.8	1498		2.385198	
3	2	13	92.1	1314		2.840127	
4	1	13	78.9			3.947955	
5	2	13	68.4	1312		4.786249	
6	2	13	91.4	1060		5.811194	
7	2	13	83.4	1454		6.682079	1
8	1	13	85.1			7.654975	
9	2	13	73	1715		8.297061	
10	1	13	95.9			9.35897	
11	2	13	84.2	1941		9.51489	
12	1	13	65.6			10.72114	
13	2	13	73.9	1955		11.967532	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	63.9	1431	1147	0.058275	
1	1	18	73			1.001478	
2	1	18	51.9			1.573691	
3	2	18	78	1577		1.885629	
4	2	18	96.7	1316		2.486493	
5	1	18	93.6			3.589992	
6	1	18	72.6			3.862191	
7	2	18	90.3	1122		4.345513	
8	1	18	65.5			5.326088	
9	1	18	59			5.893023	
10	3	18	72.8	1988	1732	6.09266	1
11	3	18	68.9	1601	1685	7.171212	
12	1	18	61.2			7.299106	
13	3	18	76	1278	1470	7.967028	
14	3	18	97.5	1035	1767	8.843246	
15	2	18	54.9	1153		9.573772	
16	3	18	61.8	1436	1170	10.105719	
17	1	18	92			10.365839	
18	2	18	55	1071		11.044036	
19	2	18	57.6	1849		11.458538	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	81.1	1735		1.090433	
1	2	8	80.1	1606		1.945336	
2	3	8	64	1969	1421	2.716407	
3	3	8	93.9	1948	1426	4.50722	
4	2	8	61	1787		5.077888	1
5	2	8	59.1	1459		7.055339	
6	1	8	59.3			8.167296	
7	2	8	57.9	1771		8.596245	
8	1	8	99.8			10.238589	
9	2	8	78.7	1889		11.923176	

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	5512.0, 5670.0, 5680.0, 5374.0, 5305.0, 5633.0, 5400.0, 5659.0, 5361.0, 5579.0, 5255.0, 5723.0, 5655.0, 5560.0, 5476.0, 5594.0, 5387.0, 5505.0, 5353.0, 5438.0, 5640.0, 5373.0, 5638.0, 5435.0, 5275.0, 5535.0, 5628.0, 5660.0, 5656.0, 5457.0, 5296.0, 5441.0, 5461.0, 5300.0, 5500.0, 5545.0, 5533.0, 5644.0, 5540.0, 5391.0, 5574.0, 5614.0, 5311.0, 5709.0, 5398.0, 5665.0, 5495.0, 5666.0, 5506.0, 5446.0, 5524.0, 5370.0, 5697.0, 5363.0, 5306.0, 5558.0, 5561.0, 5448.0, 5599.0, 5713.0, 5657.0, 5678.0, 5307.0, 5302.0, 5282.0, 5257.0, 5315.0, 5547.0, 5615.0, 5401.0, 5376.0, 5699.0, 5717.0, 5419.0, 5710.0, 5299.0, 5318.0, 5677.0, 5442.0, 5563.0, 5331.0, 5475.0, 5392.0, 5266.0, 5384.0, 5700.0, 5619.0, 5405.0, 5701.0, 5329.0, 5424.0, 5511.0, 5466.0, 5588.0, 5290.0, 5673.0, 5422.0, 5642.0, 5497.0, 5580.0 (number of hits: 17)
2	5530	9	1	333	1	5506.0, 5397.0, 5504.0, 5597.0, 5700.0, 5711.0, 5333.0, 5457.0, 5521.0, 5697.0, 5723.0, 5576.0, 5486.0, 5443.0, 5653.0, 5474.0, 5616.0, 5644.0, 5471.0, 5390.0, 5705.0, 5305.0, 5340.0, 5595.0, 5395.0, 5669.0, 5271.0, 5703.0, 5646.0, 5507.0, 5351.0, 5291.0, 5426.0, 5440.0, 5269.0, 5283.0, 5478.0, 5424.0, 5718.0, 5615.0, 5278.0, 5594.0, 5303.0, 5513.0, 5614.0, 5561.0, 5650.0, 5469.0, 5335.0, 5327.0, 5366.0, 5574.0, 5295.0, 5645.0, 5463.0, 5482.0, 5396.0, 5714.0, 5393.0, 5628.0, 5695.0, 5572.0, 5341.0, 5602.0, 5577.0, 5651.0, 5404.0, 5292.0, 5548.0, 5569.0, 5621.0, 5453.0, 5414.0, 5680.0, 5488.0, 5363.0, 5519.0, 5589.0, 5448.0, 5643.0, 5619.0, 5446.0, 5679.0, 5632.0, 5660.0, 5458.0, 5364.0, 5374.0, 5484.0, 5585.0, 5627.0, 5294.0, 5716.0, 5636.0, 5328.0, 5500.0, 5564.0, 5324.0, 5385.0, 5681.0 (number of hits: 11)
3	5530	9	1	333	1	5361.0, 5583.0, 5409.0, 5254.0, 5564.0, 5520.0, 5599.0, 5656.0, 5638.0, 5336.0, 5659.0, 5621.0, 5268.0, 5646.0, 5294.0, 5390.0, 5442.0, 5645.0, 5296.0, 5710.0, 5539.0, 5364.0, 5473.0, 5518.0, 5637.0, 5691.0, 5588.0, 5511.0, 5623.0, 5610.0, 5384.0, 5530.0, 5635.0, 5558.0, 5529.0, 5352.0, 5281.0, 5457.0, 5278.0, 5400.0, 5684.0, 5634.0, 5472.0, 5305.0, 5295.0, 5260.0, 5301.0, 5663.0, 5398.0, 5441.0, 5399.0, 5488.0, 5374.0, 5310.0, 5510.0, 5273.0, 5667.0, 5673.0, 5524.0, 5437.0,

						5586.0, 5333.0, 5317.0, 5328.0, 5711.0, 5579.0, 5358.0, 5509.0, 5255.0, 5606.0, 5521.0, 5476.0, 5565.0, 5542.0, 5548.0, 5614.0, 5338.0, 5410.0, 5573.0, 5622.0, 5283.0, 5414.0, 5506.0, 5261.0, 5563.0, 5686.0, 5316.0, 5493.0, 5607.0, 5353.0, 5672.0, 5716.0, 5713.0, 5371.0, 5320.0, 5671.0, 5501.0, 5650.0, 5497.0, 5486.0 (number of hits: 20)
4	5530	9	1	333	1	5423.0, 5661.0, 5462.0, 5531.0, 5315.0, 5286.0, 5600.0, 5470.0, 5438.0, 5323.0, 5558.0, 5427.0, 5479.0, 5474.0, 5255.0, 5718.0, 5425.0, 5539.0, 5376.0, 5542.0, 5516.0, 5299.0, 5390.0, 5552.0, 5394.0, 5549.0, 5415.0, 5378.0, 5610.0, 5553.0, 5618.0, 5370.0, 5422.0, 5556.0, 5273.0, 5575.0, 5560.0, 5574.0, 5497.0, 5710.0, 5455.0, 5383.0, 5400.0, 5251.0, 5280.0, 5526.0, 5641.0, 5536.0, 5720.0, 5565.0, 5340.0, 5283.0, 5581.0, 5666.0, 5350.0, 5269.0, 5351.0, 5674.0, 5300.0, 5708.0, 5366.0, 5679.0, 5677.0, 5257.0, 5393.0, 5695.0, 5636.0, 5349.0, 5698.0, 5681.0, 5604.0, 5486.0, 5265.0, 5476.0, 5538.0, 5465.0, 5709.0, 5399.0, 5317.0, 5649.0, 5256.0, 5620.0, 5307.0, 5687.0, 5337.0, 5292.0, 5723.0, 5493.0, 5540.0, 5521.0, 5360.0, 5318.0, 5406.0, 5464.0, 5655.0, 5652.0, 5622.0, 5699.0, 5468.0, 5557.0 (number of hits: 19)
5	5530	9	1	333	1	5386.0, 5346.0, 5669.0, 5664.0, 5562.0, 5551.0, 5685.0, 5312.0, 5407.0, 5595.0, 5547.0, 5359.0, 5398.0, 5543.0, 5284.0, 5357.0, 5280.0, 5560.0, 5625.0, 5341.0, 5356.0, 5658.0, 5337.0, 5305.0, 5395.0, 5645.0, 5301.0, 5406.0, 5686.0, 5373.0, 5429.0, 5458.0, 5513.0, 5452.0, 5602.0, 5383.0, 5358.0, 5435.0, 5276.0, 5589.0, 5390.0, 5472.0, 5574.0, 5529.0, 5264.0, 5295.0, 5361.0, 5489.0, 5522.0, 5703.0, 5567.0, 5709.0, 5394.0, 5578.0, 5281.0, 5465.0, 5367.0, 5539.0, 5639.0, 5476.0, 5498.0, 5610.0, 5644.0, 5379.0, 5333.0, 5615.0, 5314.0, 5340.0, 5621.0, 5702.0, 5345.0, 5592.0, 5454.0, 5431.0, 5626.0, 5355.0, 5466.0, 5263.0, 5327.0, 5443.0, 5308.0, 5257.0, 5632.0, 5526.0, 5463.0, 5690.0, 5408.0, 5421.0, 5430.0, 5402.0, 5554.0, 5469.0, 5492.0, 5481.0, 5552.0, 5573.0, 5464.0, 5607.0, 5388.0, 5479.0 (number of hits: 15)
6	5530	9	1	333	1	5283.0, 5446.0, 5383.0, 5475.0, 5421.0, 5396.0, 5388.0, 5503.0, 5576.0, 5419.0, 5265.0, 5590.0, 5340.0, 5472.0, 5669.0, 5506.0, 5336.0, 5477.0, 5528.0, 5495.0, 5308.0, 5722.0, 5342.0, 5692.0, 5382.0, 5597.0, 5498.0, 5544.0, 5462.0, 5723.0, 5571.0, 5638.0, 5618.0, 5586.0, 5490.0, 5522.0, 5302.0, 5427.0, 5285.0, 5447.0,

						5391.0, 5632.0, 5525.0, 5294.0, 5688.0, 5683.0, 5679.0, 5635.0, 5345.0, 5580.0, 5407.0, 5400.0, 5518.0, 5567.0, 5456.0, 5268.0, 5431.0, 5565.0, 5532.0, 5605.0, 5331.0, 5700.0, 5443.0, 5623.0, 5505.0, 5425.0, 5483.0, 5346.0, 5677.0, 5474.0, 5372.0, 5702.0, 5387.0, 5694.0, 5435.0, 5309.0, 5272.0, 5468.0, 5286.0, 5416.0, 5314.0, 5358.0, 5557.0, 5624.0, 5394.0, 5535.0, 5703.0, 5270.0, 5585.0, 5420.0, 5568.0, 5310.0, 5401.0, 5705.0, 5661.0, 5373.0, 5539.0, 5287.0, 5542.0, 5441.0 (number of hits: 19)
7	5530	9	1	333	1	5343.0, 5328.0, 5609.0, 5633.0, 5261.0, 5491.0, 5448.0, 5519.0, 5634.0, 5415.0, 5337.0, 5474.0, 5439.0, 5629.0, 5467.0, 5260.0, 5325.0, 5379.0, 5288.0, 5388.0, 5370.0, 5547.0, 5458.0, 5555.0, 5369.0, 5572.0, 5279.0, 5398.0, 5560.0, 5396.0, 5289.0, 5408.0, 5537.0, 5477.0, 5683.0, 5285.0, 5399.0, 5616.0, 5607.0, 5303.0, 5336.0, 5420.0, 5688.0, 5319.0, 5500.0, 5269.0, 5651.0, 5273.0, 5291.0, 5540.0, 5678.0, 5469.0, 5598.0, 5407.0, 5505.0, 5385.0, 5499.0, 5372.0, 5252.0, 5428.0, 5494.0, 5531.0, 5424.0, 5515.0, 5518.0, 5353.0, 5554.0, 5315.0, 5455.0, 5687.0, 5304.0, 5256.0, 5410.0, 5411.0, 5661.0, 5522.0, 5364.0, 5536.0, 5294.0, 5693.0, 5613.0, 5584.0, 5548.0, 5716.0, 5492.0, 5579.0, 5414.0, 5593.0, 5449.0, 5483.0, 5646.0, 5485.0, 5561.0, 5675.0, 5280.0, 5478.0, 5638.0, 5640.0, 5632.0, 5418.0 (number of hits: 20)
8	5530	9	1	333	1	5566.0, 5375.0, 5444.0, 5708.0, 5599.0, 5428.0, 5416.0, 5520.0, 5589.0, 5421.0, 5652.0, 5633.0, 5251.0, 5447.0, 5577.0, 5367.0, 5528.0, 5562.0, 5556.0, 5331.0, 5489.0, 5522.0, 5516.0, 5551.0, 5526.0, 5581.0, 5593.0, 5709.0, 5575.0, 5598.0, 5571.0, 5463.0, 5274.0, 5621.0, 5707.0, 5530.0, 5276.0, 5568.0, 5616.0, 5279.0, 5373.0, 5349.0, 5527.0, 5486.0, 5483.0, 5425.0, 5284.0, 5351.0, 5663.0, 5307.0, 5261.0, 5403.0, 5645.0, 5576.0, 5336.0, 5345.0, 5370.0, 5620.0, 5683.0, 5465.0, 5533.0, 5673.0, 5601.0, 5557.0, 5387.0, 5500.0, 5674.0, 5701.0, 5488.0, 5286.0, 5723.0, 5695.0, 5537.0, 5642.0, 5456.0, 5512.0, 5262.0, 5287.0, 5484.0, 5624.0, 5615.0, 5342.0, 5393.0, 5417.0, 5469.0, 5304.0, 5354.0, 5609.0, 5394.0, 5705.0, 5536.0, 5712.0, 5365.0, 5362.0, 5277.0, 5440.0, 5521.0, 5355.0, 5703.0, 5448.0 (number of hits: 19)
9	5530	9	1	333	1	5598.0, 5394.0, 5608.0, 5714.0, 5392.0, 5265.0, 5600.0, 5580.0, 5545.0, 5622.0, 5374.0, 5312.0, 5419.0, 5647.0, 5260.0, 5501.0, 5271.0, 5416.0, 5648.0, 5399.0,

						5609.0, 5673.0, 5712.0, 5681.0, 5282.0, 5489.0, 5677.0, 5700.0, 5275.0, 5702.0, 5406.0, 5465.0, 5625.0, 5318.0, 5400.0, 5602.0, 5578.0, 5383.0, 5505.0, 5641.0, 5662.0, 5343.0, 5571.0, 5362.0, 5256.0, 5664.0, 5698.0, 5627.0, 5436.0, 5314.0, 5498.0, 5619.0, 5372.0, 5434.0, 5656.0, 5278.0, 5404.0, 5694.0, 5468.0, 5337.0, 5590.0, 5310.0, 5569.0, 5364.0, 5613.0, 5441.0, 5617.0, 5299.0, 5363.0, 5536.0, 5356.0, 5470.0, 5304.0, 5665.0, 5475.0, 5709.0, 5561.0, 5611.0, 5464.0, 5317.0, 5253.0, 5551.0, 5425.0, 5433.0, 5552.0, 5326.0, 5270.0, 5597.0, 5626.0, 5384.0, 5420.0, 5252.0, 5373.0, 5276.0, 5412.0, 5409.0, 5486.0, 5483.0, 5424.0, 5713.0 (number of hits: 9)
10	5530	9	1	333	1	5603.0, 5685.0, 5630.0, 5418.0, 5530.0, 5486.0, 5579.0, 5524.0, 5462.0, 5621.0, 5327.0, 5434.0, 5321.0, 5428.0, 5250.0, 5354.0, 5566.0, 5411.0, 5257.0, 5275.0, 5383.0, 5606.0, 5705.0, 5412.0, 5668.0, 5447.0, 5596.0, 5588.0, 5334.0, 5339.0, 5472.0, 5693.0, 5577.0, 5578.0, 5516.0, 5440.0, 5678.0, 5561.0, 5657.0, 5665.0, 5312.0, 5702.0, 5453.0, 5522.0, 5627.0, 5262.0, 5351.0, 5695.0, 5251.0, 5264.0, 5637.0, 5310.0, 5417.0, 5273.0, 5274.0, 5546.0, 5464.0, 5288.0, 5303.0, 5496.0, 5338.0, 5670.0, 5675.0, 5581.0, 5503.0, 5556.0, 5449.0, 5533.0, 5374.0, 5455.0, 5258.0, 5585.0, 5253.0, 5680.0, 5487.0, 5639.0, 5394.0, 5340.0, 5407.0, 5569.0, 5677.0, 5591.0, 5403.0, 5510.0, 5318.0, 5509.0, 5271.0, 5536.0, 5423.0, 5617.0, 5532.0, 5622.0, 5634.0, 5607.0, 5276.0, 5467.0, 5366.0, 5427.0, 5708.0, 5402.0 (number of hits: 16)
11	5530	9	1	333	1	5494.0, 5582.0, 5560.0, 5268.0, 5259.0, 5669.0, 5646.0, 5714.0, 5306.0, 5569.0, 5499.0, 5629.0, 5279.0, 5556.0, 5476.0, 5552.0, 5539.0, 5523.0, 5475.0, 5458.0, 5699.0, 5408.0, 5540.0, 5718.0, 5586.0, 5541.0, 5356.0, 5636.0, 5343.0, 5509.0, 5312.0, 5316.0, 5367.0, 5365.0, 5504.0, 5644.0, 5626.0, 5260.0, 5639.0, 5446.0, 5313.0, 5516.0, 5520.0, 5512.0, 5619.0, 5513.0, 5472.0, 5363.0, 5568.0, 5326.0, 5323.0, 5429.0, 5381.0, 5411.0, 5497.0, 5691.0, 5621.0, 5660.0, 5628.0, 5723.0, 5677.0, 5667.0, 5650.0, 5400.0, 5645.0, 5417.0, 5395.0, 5288.0, 5370.0, 5278.0, 5507.0, 5457.0, 5522.0, 5620.0, 5255.0, 5403.0, 5515.0, 5281.0, 5712.0, 5571.0, 5257.0, 5379.0, 5377.0, 5574.0, 5315.0, 5524.0, 5474.0, 5361.0, 5449.0, 5431.0, 5384.0, 5424.0, 5707.0, 5700.0, 5442.0, 5505.0, 5585.0, 5253.0, 5486.0, 5447.0 (number of hits: 23)

12	5530	9	1	333	1	5393.0, 5319.0, 5415.0, 5386.0, 5278.0, 5323.0, 5271.0, 5564.0, 5696.0, 5260.0, 5388.0, 5501.0, 5279.0, 5546.0, 5428.0, 5421.0, 5525.0, 5256.0, 5435.0, 5590.0, 5658.0, 5382.0, 5713.0, 5251.0, 5654.0, 5250.0, 5508.0, 5705.0, 5477.0, 5584.0, 5331.0, 5670.0, 5637.0, 5715.0, 5283.0, 5536.0, 5358.0, 5721.0, 5562.0, 5521.0, 5547.0, 5303.0, 5267.0, 5374.0, 5481.0, 5387.0, 5336.0, 5438.0, 5381.0, 5667.0, 5542.0, 5272.0, 5581.0, 5391.0, 5277.0, 5600.0, 5311.0, 5594.0, 5389.0, 5357.0, 5330.0, 5631.0, 5507.0, 5560.0, 5266.0, 5433.0, 5417.0, 5717.0, 5315.0, 5426.0, 5675.0, 5592.0, 5452.0, 5473.0, 5306.0, 5339.0, 5286.0, 5351.0, 5610.0, 5364.0, 5624.0, 5352.0, 5297.0, 5645.0, 5617.0, 5674.0, 5371.0, 5472.0, 5255.0, 5456.0, 5268.0, 5646.0, 5254.0, 5660.0, 5519.0, 5636.0, 5439.0, 5649.0, 5454.0, 5365.0 (number of hits: 13)
13	5530	9	1	333	1	5362.0, 5643.0, 5285.0, 5251.0, 5539.0, 5343.0, 5694.0, 5653.0, 5713.0, 5375.0, 5631.0, 5255.0, 5252.0, 5592.0, 5662.0, 5353.0, 5443.0, 5593.0, 5348.0, 5712.0, 5336.0, 5310.0, 5704.0, 5508.0, 5611.0, 5567.0, 5412.0, 5524.0, 5500.0, 5365.0, 5415.0, 5647.0, 5391.0, 5421.0, 5472.0, 5627.0, 5671.0, 5604.0, 5445.0, 5527.0, 5661.0, 5299.0, 5641.0, 5589.0, 5455.0, 5312.0, 5328.0, 5684.0, 5628.0, 5386.0, 5381.0, 5658.0, 5707.0, 5657.0, 5659.0, 5489.0, 5402.0, 5700.0, 5435.0, 5548.0, 5268.0, 5357.0, 5397.0, 5432.0, 5259.0, 5287.0, 5460.0, 5621.0, 5258.0, 5293.0, 5399.0, 5406.0, 5536.0, 5710.0, 5699.0, 5517.0, 5338.0, 5276.0, 5459.0, 5390.0, 5411.0, 5543.0, 5423.0, 5646.0, 5626.0, 5378.0, 5535.0, 5612.0, 5409.0, 5688.0, 5474.0, 5515.0, 5689.0, 5551.0, 5297.0, 5417.0, 5549.0, 5382.0, 5468.0, 5580.0 (number of hits: 14)
14	5530	9	1	333	1	5497.0, 5467.0, 5407.0, 5651.0, 5544.0, 5611.0, 5330.0, 5521.0, 5572.0, 5431.0, 5475.0, 5344.0, 5520.0, 5460.0, 5454.0, 5395.0, 5433.0, 5463.0, 5581.0, 5722.0, 5285.0, 5682.0, 5491.0, 5346.0, 5623.0, 5720.0, 5570.0, 5261.0, 5536.0, 5458.0, 5677.0, 5556.0, 5719.0, 5665.0, 5561.0, 5656.0, 5334.0, 5670.0, 5332.0, 5592.0, 5419.0, 5706.0, 5466.0, 5627.0, 5309.0, 5614.0, 5591.0, 5468.0, 5444.0, 5386.0, 5314.0, 5390.0, 5420.0, 5472.0, 5260.0, 5286.0, 5635.0, 5283.0, 5608.0, 5703.0, 5478.0, 5498.0, 5658.0, 5389.0, 5537.0, 5296.0, 5317.0, 5254.0, 5619.0, 5289.0, 5602.0, 5273.0, 5519.0, 5560.0, 5272.0, 5696.0, 5534.0, 5303.0, 5499.0, 5257.0, 5662.0, 5438.0, 5432.0, 5320.0, 5577.0,

						5313.0, 5400.0, 5513.0, 5543.0, 5335.0, 5699.0, 5456.0, 5528.0, 5605.0, 5321.0, 5613.0, 5373.0, 5358.0, 5676.0, 5377.0 (number of hits: 17)
15	5530	9	1	333	1	5683.0, 5586.0, 5622.0, 5361.0, 5696.0, 5647.0, 5345.0, 5677.0, 5362.0, 5624.0, 5553.0, 5714.0, 5688.0, 5258.0, 5457.0, 5387.0, 5631.0, 5259.0, 5438.0, 5280.0, 5469.0, 5720.0, 5581.0, 5579.0, 5458.0, 5278.0, 5400.0, 5367.0, 5281.0, 5349.0, 5444.0, 5653.0, 5449.0, 5717.0, 5524.0, 5515.0, 5534.0, 5423.0, 5530.0, 5371.0, 5612.0, 5355.0, 5576.0, 5656.0, 5510.0, 5324.0, 5490.0, 5418.0, 5332.0, 5608.0, 5564.0, 5644.0, 5381.0, 5391.0, 5533.0, 5392.0, 5479.0, 5350.0, 5450.0, 5328.0, 5676.0, 5590.0, 5580.0, 5710.0, 5505.0, 5506.0, 5481.0, 5665.0, 5283.0, 5270.0, 5297.0, 5266.0, 5420.0, 5256.0, 5544.0, 5488.0, 5441.0, 5584.0, 5466.0, 5287.0, 5708.0, 5315.0, 5314.0, 5716.0, 5455.0, 5520.0, 5378.0, 5306.0, 5282.0, 5525.0, 5284.0, 5657.0, 5697.0, 5607.0, 5642.0, 5374.0, 5365.0, 5540.0, 5254.0, 5403.0 (number of hits: 15)
16	5530	9	1	333	1	5342.0, 5679.0, 5596.0, 5405.0, 5359.0, 5325.0, 5322.0, 5344.0, 5348.0, 5653.0, 5688.0, 5554.0, 5387.0, 5635.0, 5686.0, 5301.0, 5578.0, 5330.0, 5394.0, 5550.0, 5674.0, 5254.0, 5294.0, 5496.0, 5651.0, 5646.0, 5252.0, 5473.0, 5370.0, 5361.0, 5622.0, 5535.0, 5446.0, 5517.0, 5316.0, 5614.0, 5723.0, 5495.0, 5335.0, 5272.0, 5542.0, 5662.0, 5291.0, 5689.0, 5298.0, 5441.0, 5549.0, 5663.0, 5320.0, 5612.0, 5391.0, 5472.0, 5476.0, 5273.0, 5546.0, 5285.0, 5436.0, 5296.0, 5435.0, 5566.0, 5618.0, 5551.0, 5275.0, 5640.0, 5718.0, 5477.0, 5389.0, 5363.0, 5259.0, 5386.0, 5418.0, 5528.0, 5327.0, 5565.0, 5274.0, 5680.0, 5374.0, 5606.0, 5256.0, 5355.0, 5258.0, 5715.0, 5263.0, 5336.0, 5658.0, 5500.0, 5379.0, 5672.0, 5449.0, 5563.0, 5421.0, 5360.0, 5604.0, 5471.0, 5696.0, 5588.0, 5369.0, 5286.0, 5452.0, 5357.0 (number of hits: 15)
17	5530	9	1	333	1	5578.0, 5583.0, 5589.0, 5605.0, 5712.0, 5670.0, 5534.0, 5423.0, 5347.0, 5537.0, 5702.0, 5594.0, 5580.0, 5477.0, 5437.0, 5577.0, 5722.0, 5375.0, 5476.0, 5420.0, 5565.0, 5346.0, 5407.0, 5350.0, 5438.0, 5440.0, 5600.0, 5404.0, 5369.0, 5579.0, 5360.0, 5680.0, 5471.0, 5609.0, 5508.0, 5483.0, 5585.0, 5582.0, 5444.0, 5539.0, 5715.0, 5376.0, 5595.0, 5644.0, 5315.0, 5616.0, 5654.0, 5267.0, 5331.0, 5527.0, 5398.0, 5312.0, 5341.0, 5641.0, 5441.0, 5559.0, 5627.0, 5271.0, 5463.0, 5325.0, 5667.0, 5510.0, 5284.0, 5374.0, 5502.0,

						5436.0, 5452.0, 5480.0, 5472.0, 5511.0, 5631.0, 5434.0, 5484.0, 5584.0, 5266.0, 5380.0, 5393.0, 5344.0, 5351.0, 5474.0, 5304.0, 5708.0, 5275.0, 5447.0, 5432.0, 5433.0, 5716.0, 5606.0, 5274.0, 5563.0, 5277.0, 5251.0, 5678.0, 5592.0, 5651.0, 5581.0, 5343.0, 5551.0, 5342.0, 5523.0 (number of hits: 13)
18	5530	9	1	333	1	5254.0, 5284.0, 5544.0, 5592.0, 5294.0, 5356.0, 5484.0, 5699.0, 5388.0, 5287.0, 5374.0, 5454.0, 5451.0, 5280.0, 5311.0, 5405.0, 5306.0, 5358.0, 5368.0, 5283.0, 5589.0, 5697.0, 5680.0, 5657.0, 5399.0, 5575.0, 5516.0, 5556.0, 5386.0, 5272.0, 5414.0, 5538.0, 5463.0, 5535.0, 5588.0, 5568.0, 5499.0, 5561.0, 5383.0, 5578.0, 5365.0, 5423.0, 5359.0, 5594.0, 5531.0, 5373.0, 5302.0, 5530.0, 5584.0, 5563.0, 5478.0, 5566.0, 5613.0, 5723.0, 5435.0, 5679.0, 5655.0, 5348.0, 5252.0, 5424.0, 5494.0, 5412.0, 5361.0, 5480.0, 5671.0, 5433.0, 5623.0, 5279.0, 5686.0, 5447.0, 5461.0, 5338.0, 5410.0, 5640.0, 5473.0, 5582.0, 5502.0, 5350.0, 5331.0, 5508.0, 5259.0, 5712.0, 5492.0, 5545.0, 5305.0, 5503.0, 5313.0, 5558.0, 5250.0, 5446.0, 5609.0, 5593.0, 5585.0, 5458.0, 5256.0, 5687.0, 5663.0, 5696.0, 5400.0, 5673.0 (number of hits: 19)
19	5530	9	1	333	1	5571.0, 5263.0, 5679.0, 5494.0, 5252.0, 5625.0, 5395.0, 5368.0, 5658.0, 5669.0, 5335.0, 5472.0, 5683.0, 5709.0, 5610.0, 5638.0, 5668.0, 5326.0, 5670.0, 5274.0, 5528.0, 5364.0, 5373.0, 5635.0, 5587.0, 5370.0, 5435.0, 5531.0, 5410.0, 5478.0, 5578.0, 5508.0, 5586.0, 5588.0, 5477.0, 5650.0, 5495.0, 5380.0, 5643.0, 5415.0, 5420.0, 5607.0, 5419.0, 5401.0, 5662.0, 5385.0, 5540.0, 5345.0, 5355.0, 5689.0, 5697.0, 5464.0, 5309.0, 5687.0, 5404.0, 5377.0, 5429.0, 5676.0, 5500.0, 5261.0, 5437.0, 5622.0, 5659.0, 5624.0, 5352.0, 5337.0, 5442.0, 5652.0, 5432.0, 5282.0, 5295.0, 5475.0, 5684.0, 5552.0, 5403.0, 5491.0, 5258.0, 5290.0, 5488.0, 5272.0, 5408.0, 5604.0, 5465.0, 5391.0, 5276.0, 5506.0, 5447.0, 5724.0, 5580.0, 5283.0, 5389.0, 5537.0, 5323.0, 5268.0, 5407.0, 5411.0, 5717.0, 5314.0, 5450.0, 5427.0 (number of hits: 11)
20	5530	9	1	333	1	5516.0, 5535.0, 5552.0, 5373.0, 5564.0, 5256.0, 5678.0, 5531.0, 5377.0, 5304.0, 5254.0, 5389.0, 5486.0, 5447.0, 5655.0, 5450.0, 5398.0, 5325.0, 5288.0, 5634.0, 5612.0, 5345.0, 5608.0, 5317.0, 5276.0, 5262.0, 5320.0, 5603.0, 5646.0, 5314.0, 5433.0, 5601.0, 5721.0, 5438.0, 5349.0, 5296.0, 5443.0, 5402.0, 5360.0, 5280.0, 5284.0, 5427.0, 5459.0, 5473.0, 5570.0,

						5647.0, 5542.0, 5337.0, 5515.0, 5355.0, 5712.0, 5322.0, 5616.0, 5670.0, 5479.0, 5693.0, 5351.0, 5309.0, 5526.0, 5318.0, 5397.0, 5350.0, 5578.0, 5363.0, 5717.0, 5650.0, 5449.0, 5313.0, 5558.0, 5387.0, 5279.0, 5335.0, 5489.0, 5371.0, 5446.0, 5481.0, 5494.0, 5664.0, 5466.0, 5507.0, 5255.0, 5707.0, 5383.0, 5440.0, 5415.0, 5411.0, 5548.0, 5573.0, 5519.0, 5358.0, 5290.0, 5589.0, 5704.0, 5652.0, 5609.0, 5525.0, 5628.0, 5278.0, 5477.0, 5562.0 (number of hits: 15)
21	5530	9	1	333	1	5333.0, 5431.0, 5311.0, 5299.0, 5334.0, 5606.0, 5472.0, 5254.0, 5641.0, 5631.0, 5630.0, 5303.0, 5690.0, 5620.0, 5704.0, 5369.0, 5430.0, 5598.0, 5456.0, 5535.0, 5596.0, 5458.0, 5287.0, 5293.0, 5270.0, 5407.0, 5305.0, 5612.0, 5477.0, 5723.0, 5461.0, 5546.0, 5377.0, 5482.0, 5703.0, 5336.0, 5687.0, 5553.0, 5379.0, 5337.0, 5388.0, 5412.0, 5491.0, 5478.0, 5259.0, 5682.0, 5263.0, 5271.0, 5476.0, 5349.0, 5261.0, 5550.0, 5273.0, 5339.0, 5538.0, 5525.0, 5567.0, 5539.0, 5614.0, 5595.0, 5518.0, 5705.0, 5495.0, 5251.0, 5498.0, 5656.0, 5410.0, 5675.0, 5708.0, 5549.0, 5559.0, 5286.0, 5609.0, 5522.0, 5365.0, 5692.0, 5724.0, 5455.0, 5362.0, 5447.0, 5351.0, 5576.0, 5695.0, 5394.0, 5319.0, 5494.0, 5489.0, 5659.0, 5574.0, 5331.0, 5700.0, 5469.0, 5449.0, 5403.0, 5626.0, 5417.0, 5499.0, 5292.0, 5297.0, 5361.0 (number of hits: 17)
22	5530	9	1	333	1	5567.0, 5718.0, 5714.0, 5474.0, 5520.0, 5563.0, 5668.0, 5325.0, 5685.0, 5587.0, 5630.0, 5624.0, 5538.0, 5251.0, 5323.0, 5312.0, 5680.0, 5582.0, 5339.0, 5524.0, 5293.0, 5445.0, 5368.0, 5500.0, 5374.0, 5433.0, 5356.0, 5562.0, 5592.0, 5370.0, 5549.0, 5649.0, 5543.0, 5607.0, 5279.0, 5479.0, 5384.0, 5622.0, 5344.0, 5394.0, 5302.0, 5687.0, 5693.0, 5429.0, 5290.0, 5715.0, 5362.0, 5371.0, 5723.0, 5498.0, 5545.0, 5478.0, 5311.0, 5483.0, 5696.0, 5440.0, 5351.0, 5316.0, 5264.0, 5701.0, 5277.0, 5259.0, 5638.0, 5686.0, 5615.0, 5578.0, 5621.0, 5408.0, 5326.0, 5555.0, 5307.0, 5708.0, 5436.0, 5342.0, 5647.0, 5682.0, 5625.0, 5373.0, 5438.0, 5558.0, 5656.0, 5432.0, 5350.0, 5652.0, 5363.0, 5301.0, 5327.0, 5608.0, 5402.0, 5609.0, 5300.0, 5295.0, 5269.0, 5471.0, 5645.0, 5689.0, 5388.0, 5318.0, 5276.0, 5393.0 (number of hits: 13)
23	5530	9	1	333	1	5465.0, 5652.0, 5590.0, 5292.0, 5573.0, 5403.0, 5635.0, 5357.0, 5556.0, 5446.0, 5318.0, 5281.0, 5383.0, 5414.0, 5481.0, 5459.0, 5261.0, 5629.0, 5386.0, 5395.0, 5683.0, 5694.0, 5323.0, 5264.0, 5472.0,

						5373.0, 5682.0, 5438.0, 5276.0, 5555.0, 5336.0, 5269.0, 5490.0, 5720.0, 5510.0, 5451.0, 5558.0, 5412.0, 5332.0, 5665.0, 5596.0, 5299.0, 5603.0, 5613.0, 5328.0, 5432.0, 5551.0, 5353.0, 5667.0, 5289.0, 5450.0, 5522.0, 5611.0, 5416.0, 5436.0, 5666.0, 5712.0, 5392.0, 5529.0, 5639.0, 5660.0, 5397.0, 5695.0, 5500.0, 5588.0, 5325.0, 5513.0, 5305.0, 5324.0, 5278.0, 5678.0, 5575.0, 5458.0, 5580.0, 5559.0, 5607.0, 5723.0, 5647.0, 5440.0, 5370.0, 5372.0, 5356.0, 5713.0, 5524.0, 5272.0, 5503.0, 5576.0, 5279.0, 5622.0, 5642.0, 5449.0, 5454.0, 5549.0, 5566.0, 5610.0, 5457.0, 5364.0, 5690.0, 5391.0, 5507.0 (number of hits: 16)
24	5530	9	1	333	1	5392.0, 5498.0, 5356.0, 5669.0, 5668.0, 5628.0, 5318.0, 5689.0, 5716.0, 5666.0, 5684.0, 5281.0, 5326.0, 5629.0, 5508.0, 5288.0, 5362.0, 5448.0, 5302.0, 5314.0, 5573.0, 5396.0, 5688.0, 5553.0, 5542.0, 5479.0, 5600.0, 5346.0, 5601.0, 5526.0, 5423.0, 5429.0, 5605.0, 5586.0, 5610.0, 5520.0, 5695.0, 5410.0, 5389.0, 5481.0, 5630.0, 5316.0, 5615.0, 5504.0, 5497.0, 5499.0, 5472.0, 5701.0, 5537.0, 5336.0, 5593.0, 5552.0, 5312.0, 5338.0, 5441.0, 5522.0, 5548.0, 5452.0, 5428.0, 5525.0, 5635.0, 5591.0, 5517.0, 5571.0, 5702.0, 5390.0, 5270.0, 5430.0, 5574.0, 5506.0, 5590.0, 5686.0, 5681.0, 5551.0, 5660.0, 5284.0, 5618.0, 5342.0, 5519.0, 5257.0, 5286.0, 5538.0, 5632.0, 5523.0, 5478.0, 5377.0, 5560.0, 5515.0, 5619.0, 5717.0, 5304.0, 5439.0, 5597.0, 5447.0, 5720.0, 5483.0, 5518.0, 5700.0, 5363.0, 5509.0 (number of hits: 24)
25	5530	9	1	333	1	5370.0, 5261.0, 5343.0, 5344.0, 5451.0, 5419.0, 5320.0, 5584.0, 5460.0, 5616.0, 5251.0, 5703.0, 5665.0, 5638.0, 5302.0, 5479.0, 5696.0, 5576.0, 5360.0, 5342.0, 5688.0, 5263.0, 5422.0, 5639.0, 5380.0, 5318.0, 5417.0, 5465.0, 5279.0, 5539.0, 5521.0, 5408.0, 5266.0, 5516.0, 5377.0, 5620.0, 5467.0, 5625.0, 5437.0, 5341.0, 5277.0, 5634.0, 5436.0, 5456.0, 5259.0, 5722.0, 5652.0, 5587.0, 5496.0, 5407.0, 5671.0, 5660.0, 5617.0, 5604.0, 5556.0, 5428.0, 5708.0, 5378.0, 5505.0, 5710.0, 5605.0, 5347.0, 5329.0, 5686.0, 5269.0, 5723.0, 5603.0, 5404.0, 5613.0, 5326.0, 5388.0, 5412.0, 5429.0, 5558.0, 5554.0, 5684.0, 5699.0, 5390.0, 5695.0, 5507.0, 5423.0, 5636.0, 5386.0, 5296.0, 5519.0, 5434.0, 5637.0, 5661.0, 5406.0, 5656.0, 5364.0, 5351.0, 5579.0, 5647.0, 5518.0, 5311.0, 5549.0, 5366.0, 5265.0, 5694.0 (number of hits: 12)
26	5530	9	1	333	1	5404.0, 5555.0, 5694.0, 5320.0, 5490.0,

						5373.0, 5553.0, 5574.0, 5616.0, 5576.0, 5674.0, 5350.0, 5305.0, 5515.0, 5298.0, 5265.0, 5554.0, 5497.0, 5577.0, 5670.0, 5279.0, 5582.0, 5440.0, 5656.0, 5310.0, 5705.0, 5634.0, 5369.0, 5544.0, 5477.0, 5278.0, 5686.0, 5567.0, 5516.0, 5429.0, 5532.0, 5587.0, 5372.0, 5438.0, 5356.0, 5253.0, 5393.0, 5349.0, 5641.0, 5423.0, 5344.0, 5579.0, 5517.0, 5578.0, 5480.0, 5485.0, 5482.0, 5661.0, 5415.0, 5525.0, 5575.0, 5500.0, 5542.0, 5721.0, 5258.0, 5609.0, 5562.0, 5594.0, 5262.0, 5534.0, 5406.0, 5651.0, 5586.0, 5604.0, 5596.0, 5300.0, 5539.0, 5569.0, 5642.0, 5529.0, 5315.0, 5511.0, 5601.0, 5658.0, 5491.0, 5622.0, 5637.0, 5288.0, 5712.0, 5322.0, 5382.0, 5370.0, 5713.0, 5687.0, 5426.0, 5439.0, 5319.0, 5452.0, 5411.0, 5436.0, 5450.0, 5595.0, 5535.0, 5468.0, 5338.0 (number of hits: 22)
27	5530	9	1	333	1	5508.0, 5360.0, 5322.0, 5455.0, 5389.0, 5307.0, 5295.0, 5544.0, 5456.0, 5350.0, 5584.0, 5385.0, 5664.0, 5626.0, 5623.0, 5509.0, 5705.0, 5426.0, 5382.0, 5451.0, 5305.0, 5461.0, 5432.0, 5259.0, 5646.0, 5338.0, 5416.0, 5314.0, 5648.0, 5467.0, 5364.0, 5548.0, 5621.0, 5668.0, 5568.0, 5391.0, 5526.0, 5291.0, 5431.0, 5421.0, 5643.0, 5485.0, 5430.0, 5410.0, 5413.0, 5393.0, 5480.0, 5427.0, 5677.0, 5335.0, 5549.0, 5514.0, 5392.0, 5610.0, 5458.0, 5589.0, 5658.0, 5607.0, 5276.0, 5606.0, 5546.0, 5438.0, 5570.0, 5439.0, 5365.0, 5580.0, 5376.0, 5620.0, 5268.0, 5308.0, 5286.0, 5399.0, 5371.0, 5419.0, 5280.0, 5306.0, 5270.0, 5614.0, 5714.0, 5300.0, 5411.0, 5669.0, 5409.0, 5490.0, 5692.0, 5359.0, 5503.0, 5602.0, 5690.0, 5267.0, 5436.0, 5464.0, 5482.0, 5437.0, 5530.0, 5532.0, 5515.0, 5272.0, 5312.0, 5555.0 (number of hits: 15)
28	5530	9	1	333	1	5717.0, 5322.0, 5705.0, 5328.0, 5303.0, 5282.0, 5430.0, 5423.0, 5522.0, 5300.0, 5383.0, 5493.0, 5340.0, 5518.0, 5642.0, 5333.0, 5539.0, 5491.0, 5569.0, 5275.0, 5689.0, 5354.0, 5462.0, 5320.0, 5271.0, 5429.0, 5554.0, 5680.0, 5531.0, 5541.0, 5349.0, 5348.0, 5675.0, 5394.0, 5661.0, 5443.0, 5559.0, 5412.0, 5291.0, 5722.0, 5710.0, 5419.0, 5376.0, 5479.0, 5470.0, 5472.0, 5688.0, 5693.0, 5360.0, 5655.0, 5497.0, 5388.0, 5720.0, 5505.0, 5458.0, 5392.0, 5521.0, 5345.0, 5664.0, 5663.0, 5393.0, 5362.0, 5683.0, 5286.0, 5706.0, 5359.0, 5499.0, 5599.0, 5572.0, 5547.0, 5401.0, 5685.0, 5395.0, 5498.0, 5441.0, 5701.0, 5315.0, 5298.0, 5511.0, 5699.0, 5574.0, 5604.0, 5420.0, 5523.0, 5673.0, 5287.0, 5527.0, 5347.0, 5358.0, 5579.0,

						5625.0, 5509.0, 5646.0, 5659.0, 5409.0, 5528.0, 5417.0, 5603.0, 5517.0, 5370.0 (number of hits: 22)
29	5530	9	1	333	1	5257.0, 5607.0, 5593.0, 5442.0, 5515.0, 5553.0, 5546.0, 5631.0, 5624.0, 5663.0, 5637.0, 5638.0, 5428.0, 5566.0, 5695.0, 5592.0, 5522.0, 5422.0, 5661.0, 5376.0, 5490.0, 5356.0, 5304.0, 5595.0, 5486.0, 5287.0, 5581.0, 5388.0, 5418.0, 5410.0, 5506.0, 5681.0, 5302.0, 5346.0, 5457.0, 5366.0, 5445.0, 5712.0, 5468.0, 5603.0, 5326.0, 5491.0, 5700.0, 5462.0, 5578.0, 5415.0, 5698.0, 5464.0, 5508.0, 5269.0, 5327.0, 5460.0, 5550.0, 5305.0, 5672.0, 5597.0, 5511.0, 5463.0, 5625.0, 5431.0, 5499.0, 5285.0, 5549.0, 5458.0, 5414.0, 5466.0, 5473.0, 5610.0, 5709.0, 5587.0, 5470.0, 5668.0, 5703.0, 5568.0, 5679.0, 5653.0, 5477.0, 5687.0, 5396.0, 5516.0, 5337.0, 5379.0, 5344.0, 5301.0, 5399.0, 5571.0, 5489.0, 5531.0, 5449.0, 5651.0, 5485.0, 5471.0, 5417.0, 5715.0, 5536.0, 5373.0, 5349.0, 5393.0, 5298.0, 5280.0 (number of hits: 17)
30	5530	9	1	333	1	5633.0, 5631.0, 5323.0, 5635.0, 5567.0, 5622.0, 5603.0, 5573.0, 5378.0, 5394.0, 5409.0, 5269.0, 5490.0, 5621.0, 5609.0, 5255.0, 5706.0, 5568.0, 5290.0, 5460.0, 5355.0, 5334.0, 5576.0, 5682.0, 5658.0, 5540.0, 5433.0, 5451.0, 5385.0, 5300.0, 5424.0, 5613.0, 5435.0, 5419.0, 5600.0, 5401.0, 5388.0, 5582.0, 5529.0, 5647.0, 5391.0, 5478.0, 5665.0, 5504.0, 5533.0, 5660.0, 5608.0, 5592.0, 5718.0, 5643.0, 5638.0, 5615.0, 5411.0, 5702.0, 5272.0, 5642.0, 5586.0, 5716.0, 5362.0, 5453.0, 5505.0, 5250.0, 5619.0, 5514.0, 5456.0, 5268.0, 5463.0, 5287.0, 5346.0, 5538.0, 5549.0, 5396.0, 5554.0, 5278.0, 5589.0, 5468.0, 5481.0, 5286.0, 5679.0, 5616.0, 5712.0, 5410.0, 5575.0, 5263.0, 5593.0, 5579.0, 5588.0, 5374.0, 5431.0, 5436.0, 5354.0, 5479.0, 5327.0, 5348.0, 5341.0, 5382.0, 5612.0, 5585.0, 5611.0, 5483.0 (number of hits: 12)

9.3   Radar Detection Performance Check MERU

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 MERU:

5260 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	83.3 %	60%	Pass
Type 4	30	80.0 %	60%	Pass
Aggregate (Type1 to 4)	120	85.83 %	80%	Pass
Type 5	30	90 %	80%	Pass
Type 6	30	93.3 %	70%	Pass

Please refer to the following statistical tables:

5260 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5260	81	1	658	1
2	5260	57	1	938	1
3	5260	74	1	718	1
4	5260	102	1	518	1
5	5260	92	1	578	1
6	5250	63	1	838	1
7	5250	68	1	778	1
8	5250	61	1	878	1
9	5250	72	1	738	1
10	5250	58	1	918	1
11	5270	83	1	638	1
12	5270	78	1	678	1
13	5270	70	1	758	1
14	5270	89	1	598	1
15	5270	67	1	798	1
16	5260	34	1	1596	1
17	5260	27	1	1967	1
18	5260	25	1	2171	1
19	5260	25	1	2121	1
20	5260	32	1	1657	1
21	5250	21	1	2527	1
22	5250	22	1	2509	0
23	5250	32	1	1702	1
24	5250	47	1	1126	1
25	5250	23	1	2397	0
26	5270	25	1	2182	1
27	5270	27	1	2009	1
28	5270	29	1	1846	1
29	5270	29	1	1862	1
30	5270	35	1	1536	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	5260	25	4.2	203	1
2	5260	24	4.9	224	1
3	5260	26	2.8	223	1
4	5260	27	2.6	155	1
5	5260	24	4.5	221	1
6	5260	28	4.4	172	1
7	5260	23	2.4	168	1
8	5260	26	3	156	0
9	5260	24	3.2	187	1
10	5260	26	1.9	228	1
11	5250	28	3.4	223	1
12	5250	26	3	159	1
13	5250	24	1.3	205	1
14	5250	25	1.1	184	1
15	5250	23	3.9	162	1
16	5250	25	3.6	181	1
17	5250	29	2.6	227	0
18	5250	27	1.6	153	1
19	5250	23	3.9	198	1
20	5250	27	4.8	153	1
21	5270	23	4.3	225	0
22	5270	23	1	162	1
23	5270	24	2.1	229	1
24	5270	28	2	178	1
25	5270	24	1.5	191	1
26	5270	23	3.4	178	1
27	5270	25	3.6	185	0
28	5270	29	2.4	230	1
29	5270	25	3.2	199	1
30	5270	24	2.2	202	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	5260	17	8.2	233	1
2	5260	17	9.7	258	1
3	5260	18	7.8	317	1
4	5260	18	9.7	271	0
5	5260	17	7.6	381	1
6	5260	17	9.7	344	1
7	5260	18	6.7	376	1
8	5260	16	9.9	481	0
9	5260	18	6.3	355	1
10	5260	16	8.4	285	0
11	5250	17	9.2	441	1
12	5250	18	7.2	268	1
13	5250	17	9.5	445	1
14	5250	16	9.9	240	1
15	5250	17	7.5	332	1
16	5250	18	6.1	434	1
17	5250	16	8.9	343	1
18	5250	18	6.8	343	0
19	5250	16	8	348	1
20	5250	18	7.2	441	1
21	5270	17	6.7	277	1
22	5270	16	6	241	1
23	5270	18	8.7	356	1
24	5270	17	8	337	0
25	5270	17	8.7	359	1
26	5270	18	7.3	274	1
27	5270	16	8.9	282	1
28	5270	16	8.6	273	1
29	5270	16	6	243	1
30	5270	16	9.4	367	1
Detection Percentage: 83.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5260	14	13.1	305	1
2	5260	14	18.8	260	1
3	5260	13	16.3	336	1
4	5260	16	14	472	1
5	5260	15	12.5	323	1
6	5260	16	14.9	457	1
7	5260	16	16.9	440	1
8	5260	15	13.6	265	0
9	5260	16	15.2	233	1
10	5260	13	18.3	348	1
11	5250	13	13.9	460	1
12	5250	15	15.7	356	1
13	5250	12	15.7	231	1
14	5250	16	17.5	266	1
15	5250	15	16.2	329	1
16	5250	16	12.4	321	1
17	5250	14	14.3	328	1
18	5250	14	13.2	443	1
19	5250	12	14	429	0
20	5250	13	12.3	376	1
21	5270	16	18.1	379	1
22	5270	14	12.2	294	1
23	5270	13	16.3	493	1
24	5270	15	17.4	310	1
25	5270	15	17.2	458	0
26	5270	14	17.4	421	1
27	5270	14	19.6	340	0
28	5270	14	11.2	258	0
29	5270	12	18.3	334	1
30	5270	12	11.9	492	0
Detection Percentage: 80.0 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5260	1
2	5260	1
3	5260	1
4	5260	1
5	5260	1
6	5260	1
7	5260	1
8	5260	0
9	5260	1
10	5260	1
11	5257.0	1
12	5259.0	1
13	5255.4	1
14	5256.6	1
15	5255.8	1
16	5257.8	1
17	5258.2	1
18	5255.4	0
19	5255.4	1
20	5253.4	1
21	5266.6	1
22	5262.2	1
23	5261.8	1
24	5265.4	0
25	5261.4	1
26	5265.0	1
27	5261.8	1
28	5261.4	1
29	5266.2	1
30	5266.6	1
Detection Percentage: 90 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	52.2	1951	1590	0.384314	
1	2	10	54.1	1371		0.768615	
2	2	10	50.8	1673		2.170732	
3	2	10	62	1691		2.488349	
4	3	10	55.7	1057	1428	3.46399	
5	1	10	95.8			4.390604	
6	1	10	84			4.942979	
7	3	10	78.1	1464	1405	5.964412	1
8	2	10	85.5	1431		6.049425	
9	2	10	87.1	1945		6.90942	
10	3	10	84.8	1833	1038	8.076422	
11	1	10	57.1			8.839807	
12	2	10	74.6	1680		9.073572	
13	3	10	89	1812	1108	9.787582	
14	2	10	51.2	1237		11.089197	
15	1	10	67.5			11.774935	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	91.1	1452		0.003536	
1	3	8	67.3	1565	1281	2.097532	
2	2	8	99.2	1881		3.488977	
3	1	8	77.2			4.598594	1
4	2	8	91	1446		6.044035	
5	1	8	80.9			7.985323	
6	1	8	70.1			9.18659	
7	1	8	80.5			11.605117	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	74.1	1637		0.248975	
1	2	11	60.6	1099		1.272045	
2	2	11	78.8	1895		2.58739	
3	1	11	84.5			3.969689	
4	2	11	97.6	1457		4.882316	
5	1	11	73.4			5.820076	
6	3	11	69.7	1677	1438	6.919603	1
7	3	11	68.8	1072	1758	7.525365	
8	1	11	70.6			8.838173	
9	2	11	91.8	1978		9.003676	
10	1	11	96.6			10.931025	
11	2	11	51.9	1913		11.908387	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	93.2			0.028862	
1	3	13	58.1	1155	1122	0.921476	
2	2	13	96.5	1821		1.522405	
3	2	13	63.4	1114		2.653321	
4	1	13	54.8			2.741625	
5	2	13	69.2	1936		3.718556	
6	2	13	67.6	1651		4.111968	
7	2	13	50.4	1232		4.828676	
8	2	13	82.3	1116		5.875627	
9	2	13	62.1	1182		6.309685	1
10	2	13	70.2	1761		7.127445	
11	2	13	53.9	1254		7.430185	
12	1	13	87.5			8.365018	
13	2	13	70.1	1024		8.833642	
14	2	13	61.4	1586		9.753073	
15	2	13	65.3	1303		10.535035	
16	1	13	74			10.803768	
17	2	13	97	1225		11.450705	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	59.9			0.157613	
1	3	7	56.1	1610	1861	0.736932	
2	2	7	92.1	1261		1.533899	
3	2	7	56.1	1895		2.619143	
4	1	7	76.1			2.924477	
5	2	7	81.9	1740		3.672426	
6	1	7	82.3			4.572556	
7	1	7	87.5			5.599481	
8	3	7	62.7	1632	1329	5.860546	1
9	2	7	51.8	1478		6.983334	
10	1	7	64.3			7.121368	
11	2	7	95.4	1600		7.826476	
12	2	7	50.5	1179		8.487978	
13	2	7	75	1934		9.250146	
14	2	7	68.7	1404		10.06194	
15	1	7	91			11.133139	
16	1	7	94.1			11.77794	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	64	1611	1120	0.5356	
1	2	14	97.5	1700		1.443439	
2	3	14	80.3	1350	1197	3.973738	
3	2	14	90.3	1448		4.396849	
4	2	14	70.6	1872		5.835538	1
5	3	14	80.1	1528	1772	7.164184	
6	3	14	97.4	1991	1553	8.194115	
7	2	14	78.2	1301		9.951445	
8	1	14	58.5			11.570504	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	69.3	1611	1243	1.120653	
1	3	12	78.9	1938	1983	1.78299	
2	3	12	81.2	1032	1541	2.826337	
3	3	12	80.4	1145	1770	4.455067	
4	3	12	98.7	1372	1873	5.894202	1
5	1	12	89.8			6.233963	
6	2	12	73.3	1388		7.293349	
7	2	12	78.8	1153		9.383464	
8	1	12	92.4			9.987084	
9	2	12	94.5	1475		11.050856	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	64.6	1652		0.705996	
1	3	8	65.5	1013	1354	1.960016	
2	3	8	95.7	1823	1410	3.931389	
3	2	8	93.6	1234		4.221253	
4	3	8	68.8	1143	1522	5.527018	0
5	1	8	67.2			7.928423	
6	3	8	89.7	1283	1888	8.835695	
7	2	8	62.6	1442		9.741468	
8	1	8	85.5			11.48503	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	88.1	1985	1253	0.106253	
1	2	9	96.7	1364		1.879714	
2	2	9	96.7	1947		3.547577	
3	1	9	66.5			4.809423	
4	2	9	79.1	1264		5.658911	1
5	2	9	67.4	1920		7.935846	
6	3	9	83.7	1995	1307	8.789056	
7	2	9	95.1	1848		9.4042	
8	3	9	90.3	1785	1682	11.966017	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	87.3			0.21104	
1	1	7	77.2			2.298589	
2	1	7	57.1			2.824534	
3	2	7	92.7	1128		4.203705	
4	2	7	88.4	1004		5.700766	1
5	1	7	66.1			7.198778	
6	1	7	60.2			8.397977	
7	2	7	67.3	1036		9.603565	
8	2	7	64.9	1670		11.465892	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	57.2	1373		0.452569	
1	1	15	87.8			0.708035	
2	1	15	76.5			1.58602	
3	2	15	92	1557		2.727944	
4	1	15	88			3.174633	
5	2	15	71.1	1626		4.098437	
6	3	15	82.6	1391	1730	4.511993	
7	2	15	52	1815		5.631617	
8	3	15	80.8	1386	1917	5.799599	1
9	2	15	98.7	1701		6.422984	
10	2	15	67.5	1106		7.443464	
11	1	15	87.7			8.047168	
12	3	15	73.3	1587	1878	8.921691	
13	1	15	98.1			9.20383	
14	2	15	69.8	1247		10.419007	
15	3	15	80.6	1436	1218	10.963878	
16	3	15	90.5	1739	1514	11.937592	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	98.5	1942	1062	0.366372	
1	1	20	60.4			1.762255	
2	1	20	89.2			1.857061	
3	3	20	93.1	1757	1916	2.775986	
4	2	20	64.1	1814		3.786323	
5	3	20	76.6	1192	1529	5.147609	
6	3	20	93.9	1075	1731	6.016311	1
7	2	20	73.3	1421		7.361231	
8	3	20	77	1531	1027	8.116911	
9	3	20	61.9	1823	1648	9.01514	
10	3	20	83.3	1385	1840	9.253397	
11	2	20	85.4	1768		10.720885	
12	2	20	76.3	1739		11.456851	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	80.6	1579		0.201211	
1	3	11	95.5	1466	1006	0.760231	
2	1	11	89.8			1.826783	
3	2	11	77.9	1180		2.170609	
4	2	11	52	1370		2.558352	
5	3	11	92.3	1522	1737	3.282481	
6	3	11	74.8	1322	1390	4.051473	
7	2	11	64.5	1516		4.56334	
8	2	11	81.1	1134		5.234518	
9	3	11	94.4	1356	1377	5.950601	1
10	3	11	94.8	1589	1195	6.848171	
11	2	11	72.1	1842		7.547188	
12	3	11	66.9	1241	1419	7.763854	
13	1	11	77			8.757884	
14	2	11	94.8	1142		9.138679	
15	3	11	73.9	1859	1170	10.053702	
16	1	11	97.9			10.241545	
17	1	11	65.3			11.008618	
18	2	11	79.9	1410		11.698259	

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	52.5	1949		0.882114	
1	1	14	70.2			1.964065	
2	3	14	56.6	1740	1156	3.188169	
3	3	14	89.3	1310	1210	3.768583	
4	3	14	96.8	1896	1261	4.971856	1
5	3	14	57.5	1897	1533	6.266957	
6	3	14	57.9	1526	1143	7.303034	
7	2	14	52.1	1146		9.236713	
8	2	14	82.1	1480		10.542387	
9	2	14	52.5	1460		11.06766	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	91.2	1251	1216	0.77016	
1	2	12	82.6	1276		2.045843	
2	1	12	89.4			2.762832	
3	1	12	58.1			3.762077	
4	2	12	64.4	1691		4.970181	1
5	1	12	59.2			6.512114	
6	2	12	75.9	1642		7.576085	
7	2	12	55.6	1055		9.395838	
8	3	12	85.6	1705	1703	10.503373	
9	1	12	87.5			11.16827	

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	74.6	1387		0.463244	
1	1	17	51.4			1.122805	
2	1	17	53			2.010869	
3	2	17	81.8	1987		2.957683	
4	3	17	83.3	1845	1904	3.102744	
5	2	17	75.7	1911		4.371635	
6	2	17	85.3	1834		5.194066	
7	3	17	68.1	1091	1073	5.74368	
8	1	17	94.4			6.208671	1
9	2	17	66.6	1370		7.321711	
10	2	17	55.9	1342		8.050154	
11	3	17	83.6	1948	1981	8.547728	
12	3	17	78.1	1859	1787	9.66018	
13	2	17	52.4	1068		10.065964	
14	3	17	95.3	1702	1924	10.554053	
15	2	17	61.3	1010		11.532285	

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	18	73.9			0.2965	
1	3	18	78.4	1381	1810	1.142481	
2	3	18	64.6	1436	1033	1.396727	
3	2	18	56.1	1090		2.133972	
4	2	18	68.5	1116		2.864505	
5	2	18	81.2	1576		3.167293	
6	2	18	71	1929		3.658587	
7	2	18	71.8	1704		4.422603	
8	1	18	53.7			5.142293	
9	2	18	81.8	1211		5.936805	1
10	2	18	56.1	1641		6.373114	
11	1	18	91.7			6.975867	
12	1	18	68.9			7.278519	
13	2	18	73	1260		8.101231	
14	1	18	50.4			8.801105	
15	2	18	67.8	1483		9.014192	
16	2	18	67.6	1275		10.040549	
17	2	18	68.3	1478		10.576099	
18	1	18	71.9			11.385607	
19	2	18	79.9	1540		11.484823	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	98.9			0.678902	
1	2	11	93.4	1854		1.229843	
2	1	11	99.7			3.099613	
3	1	11	89.1			4.172865	
4	2	11	79.2	1048		5.871035	0
5	2	11	90.3	1125		6.954974	
6	2	11	64	1219		7.503083	
7	2	11	98.6	1420		8.910016	
8	1	11	68.5			10.362822	
9	1	11	96.3			11.432503	

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	11	72.4	1872	1381	0.264512	
1	1	11	70			1.475608	
2	2	11	98.8	1238		3.797991	
3	1	11	78.3			4.61997	
4	3	11	53.1	1103	1506	6.205294	1
5	1	11	64.8			7.014594	
6	1	11	81.8			8.745679	
7	2	11	98.8	1882		10.431896	
8	2	11	60.9	1010		11.09677	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	93.3	1623		0.322597	
1	1	6	62.9			2.174035	
2	3	6	59.1	1410	1748	2.778334	
3	2	6	50.9	1458		3.717985	
4	1	6	53.6			5.655252	
5	2	6	52.4	1738		6.369104	1
6	2	6	71.4	1330		7.517861	
7	2	6	77.1	1463		8.867912	
8	1	6	86.3			9.716777	
9	2	6	76.2	1945		11.806721	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	69.7	1526		0.48631	
1	3	6	91.3	1067	1755	1.184177	
2	1	6	55			1.332952	
3	3	6	88	1774	1273	2.025605	
4	1	6	87.1			3.109416	
5	1	6	63.3			3.285251	
6	2	6	80	1567		4.220976	
7	1	6	60.7			4.898116	
8	1	6	57.4			5.212186	
9	2	6	70.7	1221		5.715697	1
10	2	6	87.9	1924		6.836708	
11	3	6	73	1340	1615	7.561297	
12	1	6	64			8.003717	
13	1	6	63.5			8.358041	
14	3	6	67.4	1794	1523	9.461462	
15	2	6	57.3	1314		9.914262	
16	3	6	70.2	1798	1951	10.579244	
17	3	6	86.3	1335	1276	11.083113	
18	2	6	98.4	1994		11.888871	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	89.1	1479	1061	0.101123	
1	2	17	80	1118		1.107345	
2	3	17	95.4	1948	1897	1.692496	
3	1	17	50.5			2.975815	
4	2	17	55.9	1755		3.315476	
5	3	17	94.4	1061	1116	4.02077	
6	2	17	97.6	1022		4.753248	
7	3	17	76.1	1290	1078	5.932922	
8	1	17	82.3			6.197239	1
9	3	17	51.1	1997	1774	7.489187	
10	2	17	53.7	1046		7.699653	
11	1	17	79.6			8.387826	
12	1	17	88.8			9.363545	
13	1	17	61.3			10.321769	
14	2	17	95.8	1870		10.571853	
15	2	17	63.6	1398		11.287019	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	74			0.671731	
1	1	18	99.6			1.291707	
2	2	18	61.5	1288		2.743741	
3	3	18	67.3	1836	1514	3.643436	
4	2	18	76.6	1138		4.32789	
5	3	18	81.8	1547	1280	5.085198	
6	2	18	60.3	1647		6.188503	1
7	1	18	85.1			7.381638	
8	3	18	56.8	1078	1820	8.076984	
9	1	18	83.4			9.194248	
10	2	18	89.5	1541		9.938901	
11	2	18	86.1	1294		10.832392	
12	2	18	73.5	1625		11.716805	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	61.2	1480		1.076165	
1	2	9	80	1761		1.62955	
2	2	9	91.1	1637		2.642756	
3	2	9	99.3	1096		3.945152	
4	2	9	82.2	1626		5.484772	
5	3	9	87.5	1784	1054	6.498548	0
6	1	9	63.9			7.678643	
7	1	9	66.2			9.539856	
8	1	9	74.7			9.98869	
9	2	9	68.9	1571		11.285378	

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	19	54.2	1040	1023	0.97809	
1	3	19	88.5	1808	1083	1.329484	
2	3	19	80.5	1999	1390	2.692035	
3	3	19	53.6	1098	1943	3.756683	
4	3	19	60.7	1118	1342	4.259874	
5	2	19	70.3	1554		5.225791	1
6	2	19	72.9	1519		6.451496	
7	2	19	69	1158		7.145181	
8	2	19	55.2	1014		8.38177	
9	2	19	54.8	1931		9.198095	
10	2	19	55.5	1806		10.324401	
11	3	19	67.3	1827	1929	11.173717	

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	10	57.8	1452		0.579062	
1	1	10	68.4			1.091935	
2	1	10	67.8			1.352206	
3	2	10	72.6	1287		2.045505	
4	1	10	88.1			2.832904	
5	2	10	96.2	1693		3.791959	
6	1	10	51			4.559743	
7	2	10	75.7	1856		4.786564	
8	2	10	96.2	1708		5.493897	
9	1	10	81.6			6.310118	1
10	3	10	92.9	1694	1843	7.045844	
11	1	10	77.2			7.865173	
12	2	10	54.7	1341		8.316567	
13	3	10	63.4	1951	1163	9.007483	
14	2	10	73.7	1193		9.912821	
15	2	10	63.3	1644		10.081803	
16	2	10	58.3	1910		10.973516	
17	2	10	85.8	1581		11.51513	

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	18	57.4			0.924746	
1	3	18	92.5	1900	1803	2.048336	
2	1	18	79.8			2.202248	
3	2	18	75.7	1770		3.541393	
4	2	18	51.3	1724		5.4205	
5	2	18	86.9	1896		6.00311	1
6	2	18	98.8	1023		7.175099	
7	3	18	99	1419	1031	8.523005	
8	1	18	80.7			9.462808	
9	2	18	76.9	1322		10.821819	
10	3	18	83	1220	1789	10.911912	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	59.1			0.177179	
1	1	19	92.5			1.176512	
2	1	19	92.9			1.531823	
3	1	19	77.2			2.160288	
4	2	19	58.8	1380		3.029326	
5	2	19	74.9	1532		3.348058	
6	2	19	55.9	1105		4.221513	
7	2	19	56.3	1411		5.322037	
8	2	19	98.8	1163		5.346264	1
9	1	19	63.2			6.286849	
10	2	19	61.3	1123		7.198668	
11	1	19	98.4			7.816128	
12	3	19	52.4	1051	1305	8.418177	
13	3	19	51.6	1947	1563	8.926396	
14	3	19	79.5	1897	1350	9.781666	
15	2	19	56.9	1177		10.537948	
16	2	19	98.2	1002		11.133119	
17	2	19	80.2	1537		11.739862	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	68.2			0.269417	
1	1	7	95.4			0.706048	
2	2	7	63.7	1011		1.589517	
3	2	7	69.4	1916		2.718859	
4	2	7	75.6	1058		3.50076	
5	2	7	95.5	1288		3.794905	
6	1	7	77.6			4.840166	
7	3	7	72.8	1964	1164	5.529198	
8	2	7	85.3	1697		6.151941	1
9	3	7	71.3	1774	1899	6.844553	
10	2	7	63.1	1300		7.478327	
11	2	7	78.6	1299		8.35833	
12	1	7	72			8.787689	
13	1	7	87.9			9.792643	
14	1	7	90.2			10.353124	
15	3	7	69.2	1847	1254	10.941937	
16	2	7	74.7	1421		11.895734	

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	6	78.2	1147		0.79407	
1	1	6	87.5			1.733219	
2	2	6	82.9	1127		2.318346	
3	2	6	51.4	1148		2.917113	
4	2	6	87.3	1926		4.137223	
5	3	6	93.9	1329	1753	5.517961	
6	2	6	95.3	1865		6.128233	1
7	3	6	54.3	1534	1650	7.2602	
8	3	6	80.4	1467	1002	7.527513	
9	2	6	85.1	1365		9.147341	
10	2	6	90.2	1396		9.789008	
11	3	6	51.6	1434	1991	10.346566	
12	2	6	61.2	1095		11.802425	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5260	9	1	333	1	5313.0, 5648.0, 5263.0, 5455.0, 5280.0, 5563.0, 5583.0, 5471.0, 5303.0, 5702.0, 5365.0, 5354.0, 5627.0, 5609.0, 5515.0, 5713.0, 5501.0, 5408.0, 5406.0, 5391.0, 5334.0, 5340.0, 5364.0, 5381.0, 5596.0, 5722.0, 5402.0, 5302.0, 5675.0, 5297.0, 5708.0, 5523.0, 5395.0, 5464.0, 5440.0, 5656.0, 5669.0, 5695.0, 5601.0, 5460.0, 5382.0, 5350.0, 5679.0, 5375.0, 5571.0, 5597.0, 5546.0, 5660.0, 5295.0, 5399.0, 5667.0, 5506.0, 5494.0, 5522.0, 5450.0, 5568.0, 5529.0, 5521.0, 5662.0, 5385.0, 5367.0, 5485.0, 5600.0, 5582.0, 5592.0, 5483.0, 5604.0, 5595.0, 5294.0, 5534.0, 5513.0, 5688.0, 5259.0, 5429.0, 5614.0, 5549.0, 5446.0, 5260.0, 5572.0, 5384.0, 5691.0, 5603.0, 5664.0, 5435.0, 5315.0, 5373.0, 5633.0, 5318.0, 5641.0, 5252.0, 5261.0, 5566.0, 5593.0, 5401.0, 5500.0, 5363.0, 5692.0, 5719.0, 5714.0, 5490.0 (number of hits: 5)
2	5260	9	1	333	1	5512.0, 5405.0, 5553.0, 5498.0, 5336.0, 5552.0, 5357.0, 5695.0, 5313.0, 5458.0, 5575.0, 5578.0, 5452.0, 5394.0, 5681.0, 5581.0, 5252.0, 5303.0, 5361.0, 5441.0, 5329.0, 5599.0, 5503.0, 5406.0, 5637.0, 5639.0, 5596.0, 5433.0, 5539.0, 5646.0, 5416.0, 5298.0, 5610.0, 5554.0, 5664.0, 5600.0, 5420.0, 5477.0, 5645.0, 5251.0, 5515.0, 5611.0, 5495.0, 5412.0, 5649.0, 5428.0, 5701.0, 5273.0, 5295.0, 5642.0, 5480.0, 5520.0, 5466.0, 5506.0, 5605.0, 5675.0, 5320.0, 5337.0, 5324.0, 5330.0, 5263.0, 5404.0, 5255.0, 5670.0, 5377.0, 5643.0, 5494.0, 5325.0, 5445.0, 5322.0, 5369.0, 5657.0, 5388.0, 5371.0, 5462.0, 5381.0, 5347.0, 5304.0, 5543.0, 5492.0, 5410.0, 5644.0, 5633.0, 5500.0, 5486.0, 5519.0, 5525.0, 5692.0, 5373.0, 5278.0, 5521.0, 5686.0, 5350.0, 5355.0, 5709.0, 5254.0, 5722.0, 5399.0, 5387.0, 5302.0 (number of hits: 5)
3	5260	9	1	333	1	5398.0, 5491.0, 5382.0, 5432.0, 5571.0, 5694.0, 5282.0, 5619.0, 5297.0, 5499.0, 5252.0, 5274.0, 5621.0, 5489.0, 5330.0, 5631.0, 5356.0, 5696.0, 5526.0, 5429.0, 5380.0, 5633.0, 5283.0, 5544.0, 5668.0, 5311.0, 5347.0, 5602.0, 5427.0, 5287.0, 5346.0, 5384.0, 5648.0, 5395.0, 5630.0, 5381.0, 5452.0, 5299.0, 5693.0, 5266.0, 5607.0, 5433.0, 5255.0, 5712.0, 5344.0, 5354.0, 5288.0, 5651.0, 5441.0, 5600.0, 5458.0, 5475.0, 5348.0, 5556.0, 5509.0, 5541.0, 5446.0, 5443.0, 5498.0, 5642.0,

						5714.0, 5267.0, 5632.0, 5716.0, 5512.0, 5280.0, 5325.0, 5345.0, 5684.0, 5624.0, 5310.0, 5652.0, 5264.0, 5402.0, 5549.0, 5470.0, 5686.0, 5606.0, 5254.0, 5669.0, 5596.0, 5415.0, 5367.0, 5414.0, 5554.0, 5638.0, 5527.0, 5449.0, 5307.0, 5289.0, 5699.0, 5359.0, 5540.0, 5653.0, 5437.0, 5331.0, 5388.0, 5672.0, 5507.0, 5401.0 (number of hits: 6)
4	5260	9	1	333	1	5592.0, 5334.0, 5453.0, 5437.0, 5332.0, 5253.0, 5278.0, 5421.0, 5428.0, 5529.0, 5686.0, 5642.0, 5265.0, 5707.0, 5697.0, 5500.0, 5325.0, 5263.0, 5477.0, 5588.0, 5676.0, 5527.0, 5660.0, 5521.0, 5440.0, 5597.0, 5322.0, 5387.0, 5586.0, 5375.0, 5296.0, 5260.0, 5681.0, 5722.0, 5470.0, 5292.0, 5489.0, 5543.0, 5268.0, 5271.0, 5328.0, 5673.0, 5568.0, 5694.0, 5309.0, 5301.0, 5683.0, 5349.0, 5496.0, 5359.0, 5283.0, 5347.0, 5674.0, 5581.0, 5299.0, 5635.0, 5315.0, 5611.0, 5685.0, 5251.0, 5298.0, 5708.0, 5583.0, 5414.0, 5716.0, 5462.0, 5313.0, 5436.0, 5432.0, 5408.0, 5717.0, 5678.0, 5648.0, 5314.0, 5700.0, 5610.0, 5291.0, 5478.0, 5511.0, 5458.0, 5565.0, 5696.0, 5390.0, 5412.0, 5384.0, 5704.0, 5457.0, 5466.0, 5473.0, 5455.0, 5348.0, 5365.0, 5497.0, 5555.0, 5400.0, 5463.0, 5659.0, 5599.0, 5574.0, 5552.0 (number of hits: 6)
5	5260	9	1	333	1	5700.0, 5333.0, 5308.0, 5294.0, 5607.0, 5591.0, 5310.0, 5301.0, 5411.0, 5451.0, 5501.0, 5670.0, 5624.0, 5525.0, 5285.0, 5443.0, 5702.0, 5312.0, 5494.0, 5368.0, 5409.0, 5672.0, 5444.0, 5541.0, 5331.0, 5329.0, 5557.0, 5547.0, 5632.0, 5303.0, 5609.0, 5668.0, 5491.0, 5426.0, 5267.0, 5722.0, 5456.0, 5311.0, 5454.0, 5611.0, 5262.0, 5562.0, 5360.0, 5410.0, 5584.0, 5516.0, 5314.0, 5392.0, 5524.0, 5608.0, 5380.0, 5588.0, 5614.0, 5316.0, 5714.0, 5393.0, 5543.0, 5401.0, 5281.0, 5405.0, 5412.0, 5552.0, 5323.0, 5326.0, 5612.0, 5579.0, 5408.0, 5419.0, 5395.0, 5674.0, 5597.0, 5455.0, 5594.0, 5259.0, 5684.0, 5570.0, 5279.0, 5354.0, 5629.0, 5496.0, 5466.0, 5617.0, 5474.0, 5356.0, 5325.0, 5658.0, 5460.0, 5477.0, 5654.0, 5685.0, 5602.0, 5574.0, 5404.0, 5430.0, 5623.0, 5715.0, 5319.0, 5518.0, 5370.0, 5521.0 (number of hits: 3)
6	5260	9	1	333	1	5508.0, 5305.0, 5626.0, 5476.0, 5523.0, 5522.0, 5558.0, 5312.0, 5549.0, 5424.0, 5286.0, 5360.0, 5405.0, 5530.0, 5620.0, 5689.0, 5329.0, 5552.0, 5489.0, 5692.0, 5681.0, 5553.0, 5616.0, 5359.0, 5396.0, 5712.0, 5309.0, 5673.0, 5395.0, 5480.0, 5562.0, 5320.0, 5595.0, 5284.0, 5455.0, 5375.0, 5601.0, 5528.0, 5324.0, 5269.0,

						5543.0, 5382.0, 5328.0, 5504.0, 5656.0, 5374.0, 5276.0, 5341.0, 5415.0, 5315.0, 5420.0, 5637.0, 5370.0, 5294.0, 5251.0, 5615.0, 5273.0, 5301.0, 5416.0, 5347.0, 5491.0, 5695.0, 5388.0, 5536.0, 5369.0, 5633.0, 5391.0, 5254.0, 5668.0, 5442.0, 5571.0, 5282.0, 5264.0, 5487.0, 5566.0, 5494.0, 5255.0, 5492.0, 5398.0, 5554.0, 5318.0, 5702.0, 5426.0, 5482.0, 5618.0, 5669.0, 5700.0, 5597.0, 5715.0, 5577.0, 5257.0, 5299.0, 5335.0, 5720.0, 5538.0, 5576.0, 5572.0, 5578.0, 5561.0, 5640.0 (number of hits: 5)
7	5260	9	1	333	0	0
8	5260	9	1	333	1	5537.0, 5490.0, 5476.0, 5336.0, 5488.0, 5266.0, 5527.0, 5677.0, 5328.0, 5329.0, 5357.0, 5433.0, 5699.0, 5301.0, 5417.0, 5436.0, 5636.0, 5365.0, 5251.0, 5450.0, 5297.0, 5531.0, 5388.0, 5323.0, 5363.0, 5555.0, 5305.0, 5532.0, 5302.0, 5616.0, 5473.0, 5348.0, 5419.0, 5288.0, 5427.0, 5459.0, 5415.0, 5356.0, 5374.0, 5377.0, 5578.0, 5579.0, 5569.0, 5423.0, 5387.0, 5295.0, 5368.0, 5267.0, 5624.0, 5591.0, 5390.0, 5444.0, 5448.0, 5601.0, 5375.0, 5703.0, 5361.0, 5655.0, 5707.0, 5401.0, 5484.0, 5431.0, 5663.0, 5587.0, 5633.0, 5346.0, 5494.0, 5505.0, 5550.0, 5482.0, 5621.0, 5660.0, 5581.0, 5464.0, 5504.0, 5289.0, 5284.0, 5259.0, 5572.0, 5609.0, 5695.0, 5640.0, 5642.0, 5650.0, 5596.0, 5430.0, 5661.0, 5658.0, 5615.0, 5580.0, 5654.0, 5570.0, 5542.0, 5498.0, 5452.0, 5585.0, 5720.0, 5666.0, 5687.0, 5319.0 (number of hits: 4)
9	5260	9	1	333	1	5419.0, 5535.0, 5656.0, 5451.0, 5416.0, 5320.0, 5404.0, 5307.0, 5426.0, 5468.0, 5532.0, 5622.0, 5341.0, 5550.0, 5602.0, 5702.0, 5549.0, 5361.0, 5514.0, 5313.0, 5336.0, 5349.0, 5253.0, 5405.0, 5263.0, 5613.0, 5465.0, 5707.0, 5310.0, 5469.0, 5615.0, 5517.0, 5450.0, 5360.0, 5269.0, 5688.0, 5628.0, 5463.0, 5652.0, 5506.0, 5365.0, 5642.0, 5679.0, 5413.0, 5283.0, 5682.0, 5345.0, 5445.0, 5614.0, 5393.0, 5305.0, 5571.0, 5455.0, 5645.0, 5626.0, 5509.0, 5582.0, 5604.0, 5444.0, 5529.0, 5641.0, 5290.0, 5484.0, 5693.0, 5327.0, 5681.0, 5657.0, 5617.0, 5586.0, 5382.0, 5428.0, 5389.0, 5599.0, 5301.0, 5694.0, 5259.0, 5371.0, 5391.0, 5569.0, 5432.0, 5314.0, 5330.0, 5443.0, 5412.0, 5692.0, 5380.0, 5505.0, 5429.0, 5723.0, 5392.0, 5518.0, 5441.0, 5525.0, 5720.0, 5478.0, 5359.0, 5574.0, 5512.0, 5678.0, 5273.0 (number of hits: 3)
10	5260	9	1	333	1	5441.0, 5691.0, 5692.0, 5715.0, 5711.0, 5489.0, 5697.0, 5458.0, 5340.0, 5516.0, 5375.0, 5610.0, 5707.0, 5257.0, 5344.0,

						5404.0, 5679.0, 5374.0, 5579.0, 5513.0, 5532.0, 5578.0, 5701.0, 5583.0, 5670.0, 5325.0, 5589.0, 5537.0, 5491.0, 5469.0, 5702.0, 5638.0, 5296.0, 5394.0, 5504.0, 5709.0, 5268.0, 5566.0, 5517.0, 5428.0, 5642.0, 5598.0, 5557.0, 5371.0, 5521.0, 5627.0, 5613.0, 5324.0, 5499.0, 5533.0, 5508.0, 5640.0, 5456.0, 5614.0, 5665.0, 5332.0, 5316.0, 5361.0, 5314.0, 5360.0, 5571.0, 5292.0, 5683.0, 5609.0, 5519.0, 5365.0, 5674.0, 5669.0, 5449.0, 5710.0, 5662.0, 5708.0, 5484.0, 5600.0, 5434.0, 5597.0, 5538.0, 5687.0, 5380.0, 5396.0, 5304.0, 5276.0, 5523.0, 5688.0, 5500.0, 5269.0, 5651.0, 5551.0, 5677.0, 5676.0, 5354.0, 5388.0, 5390.0, 5273.0, 5442.0, 5663.0, 5387.0, 5714.0, 5373.0, 5654.0 (number of hits: 2)
11	5251	9	1	333	1	5347.0, 5264.0, 5681.0, 5454.0, 5565.0, 5453.0, 5561.0, 5263.0, 5551.0, 5313.0, 5338.0, 5605.0, 5298.0, 5629.0, 5423.0, 5650.0, 5474.0, 5267.0, 5369.0, 5583.0, 5374.0, 5471.0, 5674.0, 5550.0, 5351.0, 5285.0, 5311.0, 5599.0, 5489.0, 5665.0, 5326.0, 5395.0, 5540.0, 5452.0, 5517.0, 5365.0, 5254.0, 5371.0, 5539.0, 5317.0, 5289.0, 5386.0, 5545.0, 5513.0, 5301.0, 5281.0, 5433.0, 5664.0, 5621.0, 5635.0, 5655.0, 5526.0, 5398.0, 5568.0, 5265.0, 5617.0, 5530.0, 5536.0, 5370.0, 5676.0, 5319.0, 5329.0, 5620.0, 5457.0, 5571.0, 5690.0, 5532.0, 5465.0, 5476.0, 5421.0, 5293.0, 5556.0, 5460.0, 5390.0, 5445.0, 5585.0, 5468.0, 5367.0, 5518.0, 5270.0, 5642.0, 5354.0, 5381.0, 5488.0, 5669.0, 5379.0, 5377.0, 5509.0, 5598.0, 5412.0, 5721.0, 5597.0, 5448.0, 5711.0, 5534.0, 5684.0, 5268.0, 5336.0, 5503.0, 5691.0 (number of hits: 1)
12	5251	9	1	333	1	5661.0, 5258.0, 5397.0, 5575.0, 5311.0, 5536.0, 5501.0, 5705.0, 5403.0, 5685.0, 5346.0, 5393.0, 5481.0, 5310.0, 5304.0, 5563.0, 5390.0, 5521.0, 5616.0, 5636.0, 5461.0, 5660.0, 5429.0, 5542.0, 5408.0, 5485.0, 5491.0, 5674.0, 5647.0, 5361.0, 5565.0, 5540.0, 5367.0, 5377.0, 5700.0, 5719.0, 5443.0, 5517.0, 5626.0, 5582.0, 5601.0, 5420.0, 5508.0, 5657.0, 5419.0, 5372.0, 5603.0, 5677.0, 5723.0, 5637.0, 5588.0, 5260.0, 5711.0, 5571.0, 5368.0, 5552.0, 5424.0, 5504.0, 5305.0, 5556.0, 5400.0, 5389.0, 5642.0, 5287.0, 5309.0, 5688.0, 5460.0, 5549.0, 5622.0, 5503.0, 5338.0, 5344.0, 5307.0, 5313.0, 5392.0, 5360.0, 5464.0, 5476.0, 5472.0, 5500.0, 5457.0, 5331.0, 5583.0, 5453.0, 5405.0, 5519.0, 5297.0, 5717.0, 5615.0, 5431.0, 5382.0, 5317.0, 5348.0, 5474.0, 5394.0, 5455.0, 5548.0, 5365.0, 5407.0, 5318.0

						(number of hits: 1)
13	5251	9	1	333	1	5307.0, 5303.0, 5441.0, 5275.0, 5487.0, 5437.0, 5508.0, 5340.0, 5697.0, 5260.0, 5556.0, 5264.0, 5626.0, 5310.0, 5336.0, 5604.0, 5450.0, 5660.0, 5622.0, 5550.0, 5308.0, 5699.0, 5619.0, 5661.0, 5330.0, 5428.0, 5285.0, 5692.0, 5637.0, 5263.0, 5537.0, 5688.0, 5623.0, 5401.0, 5555.0, 5291.0, 5694.0, 5358.0, 5430.0, 5483.0, 5702.0, 5262.0, 5315.0, 5722.0, 5362.0, 5533.0, 5527.0, 5320.0, 5680.0, 5354.0, 5321.0, 5588.0, 5565.0, 5295.0, 5254.0, 5469.0, 5520.0, 5325.0, 5484.0, 5532.0, 5265.0, 5411.0, 5544.0, 5674.0, 5613.0, 5577.0, 5595.0, 5594.0, 5414.0, 5501.0, 5427.0, 5670.0, 5289.0, 5283.0, 5461.0, 5413.0, 5311.0, 5617.0, 5259.0, 5392.0, 5506.0, 5611.0, 5407.0, 5270.0, 5723.0, 5557.0, 5399.0, 5666.0, 5266.0, 5650.0, 5517.0, 5630.0, 5387.0, 5575.0, 5382.0, 5374.0, 5522.0, 5620.0, 5338.0, 5273.0
						(number of hits: 2)
14	5251	9	1	333	1	5601.0, 5710.0, 5516.0, 5267.0, 5631.0, 5359.0, 5452.0, 5334.0, 5569.0, 5641.0, 5543.0, 5691.0, 5266.0, 5472.0, 5484.0, 5485.0, 5620.0, 5471.0, 5450.0, 5550.0, 5254.0, 5252.0, 5603.0, 5432.0, 5318.0, 5270.0, 5253.0, 5280.0, 5681.0, 5424.0, 5615.0, 5428.0, 5258.0, 5288.0, 5379.0, 5364.0, 5360.0, 5453.0, 5490.0, 5305.0, 5418.0, 5697.0, 5480.0, 5698.0, 5434.0, 5378.0, 5286.0, 5272.0, 5595.0, 5279.0, 5439.0, 5504.0, 5500.0, 5404.0, 5624.0, 5326.0, 5693.0, 5511.0, 5654.0, 5692.0, 5336.0, 5395.0, 5622.0, 5535.0, 5388.0, 5411.0, 5643.0, 5391.0, 5352.0, 5704.0, 5356.0, 5467.0, 5346.0, 5536.0, 5273.0, 5376.0, 5588.0, 5515.0, 5465.0, 5715.0, 5574.0, 5493.0, 5551.0, 5430.0, 5343.0, 5690.0, 5660.0, 5357.0, 5544.0, 5289.0, 5287.0, 5365.0, 5460.0, 5315.0, 5645.0, 5564.0, 5349.0, 5409.0, 5530.0, 5525.0
						(number of hits: 4)
15	5251	9	1	333	1	5256.0, 5365.0, 5384.0, 5471.0, 5290.0, 5511.0, 5603.0, 5267.0, 5619.0, 5677.0, 5421.0, 5470.0, 5635.0, 5605.0, 5519.0, 5553.0, 5313.0, 5331.0, 5299.0, 5295.0, 5466.0, 5273.0, 5492.0, 5544.0, 5390.0, 5252.0, 5628.0, 5330.0, 5699.0, 5406.0, 5450.0, 5722.0, 5575.0, 5631.0, 5714.0, 5392.0, 5705.0, 5533.0, 5467.0, 5540.0, 5679.0, 5493.0, 5522.0, 5342.0, 5254.0, 5586.0, 5647.0, 5443.0, 5548.0, 5451.0, 5364.0, 5596.0, 5452.0, 5413.0, 5253.0, 5616.0, 5446.0, 5461.0, 5305.0, 5678.0, 5567.0, 5480.0, 5426.0, 5518.0, 5571.0, 5720.0, 5360.0, 5494.0, 5498.0, 5327.0, 5565.0, 5645.0, 5683.0, 5478.0, 5261.0, 5375.0, 5667.0, 5585.0, 5396.0, 5676.0,

						5690.0, 5453.0, 5507.0, 5515.0, 5535.0, 5304.0, 5289.0, 5684.0, 5479.0, 5529.0, 5623.0, 5301.0, 5639.0, 5258.0, 5274.0, 5370.0, 5600.0, 5260.0, 5389.0, 5263.0 (number of hits: 5)
16	5251	9	1	333	1	5478.0, 5685.0, 5501.0, 5460.0, 5382.0, 5663.0, 5532.0, 5655.0, 5311.0, 5251.0, 5576.0, 5526.0, 5514.0, 5667.0, 5612.0, 5540.0, 5689.0, 5449.0, 5573.0, 5372.0, 5705.0, 5547.0, 5310.0, 5548.0, 5515.0, 5405.0, 5630.0, 5366.0, 5649.0, 5361.0, 5270.0, 5668.0, 5267.0, 5699.0, 5634.0, 5253.0, 5307.0, 5679.0, 5394.0, 5272.0, 5436.0, 5602.0, 5274.0, 5430.0, 5428.0, 5674.0, 5622.0, 5423.0, 5562.0, 5455.0, 5313.0, 5345.0, 5419.0, 5504.0, 5344.0, 5309.0, 5339.0, 5711.0, 5448.0, 5288.0, 5292.0, 5285.0, 5510.0, 5500.0, 5486.0, 5316.0, 5697.0, 5275.0, 5482.0, 5552.0, 5277.0, 5357.0, 5414.0, 5615.0, 5262.0, 5512.0, 5551.0, 5595.0, 5549.0, 5289.0, 5617.0, 5421.0, 5284.0, 5323.0, 5688.0, 5495.0, 5483.0, 5516.0, 5257.0, 5520.0, 5301.0, 5661.0, 5535.0, 5432.0, 5260.0, 5381.0, 5408.0, 5492.0, 5628.0, 5657.0 (number of hits: 3)
17	5251	9	1	333	1	5371.0, 5379.0, 5267.0, 5282.0, 5570.0, 5571.0, 5326.0, 5554.0, 5432.0, 5697.0, 5559.0, 5595.0, 5632.0, 5700.0, 5457.0, 5562.0, 5403.0, 5359.0, 5712.0, 5476.0, 5257.0, 5496.0, 5254.0, 5362.0, 5533.0, 5514.0, 5536.0, 5260.0, 5456.0, 5546.0, 5344.0, 5313.0, 5463.0, 5479.0, 5319.0, 5527.0, 5555.0, 5661.0, 5510.0, 5619.0, 5412.0, 5306.0, 5449.0, 5531.0, 5399.0, 5375.0, 5307.0, 5373.0, 5290.0, 5587.0, 5437.0, 5577.0, 5599.0, 5545.0, 5722.0, 5692.0, 5332.0, 5658.0, 5450.0, 5610.0, 5435.0, 5505.0, 5603.0, 5617.0, 5645.0, 5390.0, 5673.0, 5614.0, 5292.0, 5486.0, 5471.0, 5635.0, 5487.0, 5396.0, 5621.0, 5566.0, 5538.0, 5544.0, 5491.0, 5564.0, 5434.0, 5361.0, 5400.0, 5495.0, 5401.0, 5686.0, 5594.0, 5460.0, 5671.0, 5583.0, 5459.0, 5702.0, 5303.0, 5269.0, 5293.0, 5374.0, 5553.0, 5535.0, 5628.0, 5586.0 (number of hits: 2)
18	5251	9	1	333	1	5251.0, 5308.0, 5314.0, 5518.0, 5718.0, 5676.0, 5502.0, 5491.0, 5508.0, 5375.0, 5546.0, 5610.0, 5376.0, 5611.0, 5490.0, 5717.0, 5403.0, 5566.0, 5313.0, 5448.0, 5641.0, 5443.0, 5654.0, 5509.0, 5405.0, 5332.0, 5430.0, 5293.0, 5628.0, 5575.0, 5646.0, 5275.0, 5715.0, 5562.0, 5688.0, 5500.0, 5360.0, 5492.0, 5581.0, 5635.0, 5591.0, 5489.0, 5526.0, 5687.0, 5712.0, 5296.0, 5387.0, 5426.0, 5354.0, 5503.0, 5504.0, 5495.0, 5713.0, 5655.0, 5710.0, 5319.0, 5364.0, 5334.0, 5286.0, 5689.0,

						5506.0, 5333.0, 5460.0, 5273.0, 5701.0, 5539.0, 5399.0, 5625.0, 5716.0, 5551.0, 5612.0, 5433.0, 5435.0, 5315.0, 5471.0, 5291.0, 5576.0, 5586.0, 5553.0, 5633.0, 5512.0, 5284.0, 5437.0, 5306.0, 5278.0, 5283.0, 5470.0, 5693.0, 5657.0, 5528.0, 5262.0, 5258.0, 5407.0, 5264.0, 5365.0, 5624.0, 5590.0, 5544.0, 5386.0, 5627.0 (number of hits: 2)
19	5251	9	1	333	0	0
20	5251	9	1	333	1	5382.0, 5443.0, 5373.0, 5392.0, 5683.0, 5537.0, 5421.0, 5424.0, 5669.0, 5670.0, 5482.0, 5613.0, 5634.0, 5563.0, 5315.0, 5566.0, 5347.0, 5270.0, 5401.0, 5567.0, 5584.0, 5523.0, 5561.0, 5611.0, 5624.0, 5395.0, 5676.0, 5289.0, 5545.0, 5408.0, 5487.0, 5309.0, 5474.0, 5342.0, 5416.0, 5306.0, 5571.0, 5294.0, 5259.0, 5703.0, 5534.0, 5350.0, 5719.0, 5662.0, 5343.0, 5648.0, 5324.0, 5415.0, 5555.0, 5355.0, 5375.0, 5370.0, 5351.0, 5724.0, 5478.0, 5549.0, 5499.0, 5701.0, 5340.0, 5644.0, 5486.0, 5694.0, 5463.0, 5475.0, 5614.0, 5619.0, 5698.0, 5333.0, 5445.0, 5320.0, 5317.0, 5609.0, 5436.0, 5261.0, 5629.0, 5354.0, 5429.0, 5589.0, 5581.0, 5450.0, 5459.0, 5321.0, 5464.0, 5465.0, 5689.0, 5599.0, 5422.0, 5525.0, 5580.0, 5706.0, 5462.0, 5390.0, 5574.0, 5502.0, 5318.0, 5387.0, 5357.0, 5610.0, 5399.0, 5587.0 (number of hits: 1)
21	5269	9	1	333	1	5722.0, 5723.0, 5570.0, 5554.0, 5466.0, 5567.0, 5423.0, 5414.0, 5627.0, 5490.0, 5467.0, 5353.0, 5418.0, 5294.0, 5529.0, 5368.0, 5366.0, 5335.0, 5285.0, 5381.0, 5546.0, 5644.0, 5355.0, 5386.0, 5409.0, 5299.0, 5686.0, 5593.0, 5547.0, 5493.0, 5649.0, 5563.0, 5621.0, 5608.0, 5538.0, 5391.0, 5631.0, 5405.0, 5640.0, 5421.0, 5611.0, 5297.0, 5460.0, 5397.0, 5667.0, 5300.0, 5316.0, 5478.0, 5356.0, 5447.0, 5597.0, 5422.0, 5584.0, 5462.0, 5651.0, 5666.0, 5315.0, 5259.0, 5620.0, 5261.0, 5585.0, 5444.0, 5336.0, 5256.0, 5659.0, 5696.0, 5633.0, 5338.0, 5301.0, 5451.0, 5697.0, 5687.0, 5691.0, 5279.0, 5619.0, 5707.0, 5265.0, 5718.0, 5352.0, 5639.0, 5541.0, 5634.0, 5371.0, 5708.0, 5325.0, 5362.0, 5564.0, 5482.0, 5685.0, 5361.0, 5277.0, 5711.0, 5488.0, 5395.0, 5399.0, 5369.0, 5653.0, 5306.0, 5577.0, 5298.0 (number of hits: 3)
22	5269	9	1	333	1	5323.0, 5316.0, 5329.0, 5356.0, 5341.0, 5690.0, 5260.0, 5697.0, 5308.0, 5506.0, 5527.0, 5347.0, 5594.0, 5508.0, 5480.0, 5536.0, 5282.0, 5368.0, 5445.0, 5717.0, 5455.0, 5300.0, 5642.0, 5579.0, 5648.0, 5641.0, 5388.0, 5469.0, 5313.0, 5688.0, 5423.0, 5525.0, 5366.0, 5566.0, 5491.0,

						5307.0, 5474.0, 5459.0, 5251.0, 5287.0, 5315.0, 5488.0, 5501.0, 5683.0, 5543.0, 5722.0, 5431.0, 5439.0, 5669.0, 5638.0, 5359.0, 5553.0, 5346.0, 5693.0, 5348.0, 5353.0, 5461.0, 5470.0, 5526.0, 5632.0, 5320.0, 5570.0, 5281.0, 5299.0, 5389.0, 5686.0, 5558.0, 5410.0, 5551.0, 5698.0, 5335.0, 5274.0, 5513.0, 5608.0, 5358.0, 5414.0, 5481.0, 5376.0, 5589.0, 5618.0, 5424.0, 5578.0, 5314.0, 5537.0, 5442.0, 5286.0, 5324.0, 5714.0, 5622.0, 5701.0, 5574.0, 5691.0, 5493.0, 5592.0, 5656.0, 5623.0, 5548.0, 5344.0, 5512.0, 5277.0 (number of hits: 3)
23	5269	9	1	333	1	5597.0, 5505.0, 5387.0, 5622.0, 5461.0, 5297.0, 5679.0, 5354.0, 5341.0, 5692.0, 5449.0, 5655.0, 5456.0, 5703.0, 5377.0, 5294.0, 5453.0, 5528.0, 5366.0, 5667.0, 5406.0, 5277.0, 5288.0, 5510.0, 5536.0, 5312.0, 5376.0, 5359.0, 5399.0, 5565.0, 5668.0, 5413.0, 5678.0, 5530.0, 5626.0, 5586.0, 5401.0, 5520.0, 5332.0, 5539.0, 5290.0, 5285.0, 5425.0, 5696.0, 5515.0, 5315.0, 5557.0, 5283.0, 5460.0, 5681.0, 5720.0, 5488.0, 5298.0, 5712.0, 5512.0, 5612.0, 5356.0, 5498.0, 5293.0, 5617.0, 5281.0, 5661.0, 5636.0, 5500.0, 5701.0, 5445.0, 5564.0, 5334.0, 5481.0, 5443.0, 5577.0, 5495.0, 5559.0, 5365.0, 5518.0, 5699.0, 5270.0, 5452.0, 5546.0, 5261.0, 5711.0, 5585.0, 5305.0, 5558.0, 5444.0, 5486.0, 5370.0, 5688.0, 5338.0, 5651.0, 5403.0, 5663.0, 5264.0, 5379.0, 5260.0, 5686.0, 5398.0, 5462.0, 5351.0, 5418.0 (number of hits: 5)
24	5269	9	1	333	1	5667.0, 5590.0, 5659.0, 5651.0, 5535.0, 5620.0, 5577.0, 5530.0, 5440.0, 5572.0, 5681.0, 5516.0, 5292.0, 5679.0, 5486.0, 5427.0, 5373.0, 5294.0, 5300.0, 5509.0, 5684.0, 5369.0, 5429.0, 5687.0, 5605.0, 5359.0, 5531.0, 5315.0, 5636.0, 5383.0, 5629.0, 5556.0, 5342.0, 5305.0, 5409.0, 5522.0, 5554.0, 5368.0, 5338.0, 5319.0, 5416.0, 5396.0, 5678.0, 5595.0, 5638.0, 5493.0, 5532.0, 5640.0, 5589.0, 5694.0, 5560.0, 5677.0, 5444.0, 5723.0, 5459.0, 5724.0, 5259.0, 5705.0, 5669.0, 5475.0, 5546.0, 5461.0, 5474.0, 5260.0, 5502.0, 5701.0, 5716.0, 5592.0, 5255.0, 5379.0, 5443.0, 5463.0, 5594.0, 5421.0, 5411.0, 5405.0, 5700.0, 5328.0, 5637.0, 5698.0, 5597.0, 5524.0, 5634.0, 5576.0, 5604.0, 5454.0, 5471.0, 5281.0, 5256.0, 5391.0, 5417.0, 5289.0, 5565.0, 5295.0, 5377.0, 5303.0, 5363.0, 5336.0, 5575.0, 5278.0 (number of hits: 1)
25	5269	9	1	333	1	5529.0, 5676.0, 5271.0, 5285.0, 5496.0, 5294.0, 5299.0, 5633.0, 5685.0, 5717.0, 5511.0, 5587.0, 5531.0, 5395.0, 5671.0,

						5613.0, 5404.0, 5535.0, 5369.0, 5513.0, 5690.0, 5442.0, 5449.0, 5647.0, 5711.0, 5686.0, 5396.0, 5696.0, 5429.0, 5618.0, 5554.0, 5458.0, 5368.0, 5541.0, 5420.0, 5562.0, 5282.0, 5437.0, 5377.0, 5637.0, 5394.0, 5662.0, 5588.0, 5300.0, 5443.0, 5505.0, 5550.0, 5476.0, 5274.0, 5568.0, 5401.0, 5630.0, 5441.0, 5287.0, 5615.0, 5697.0, 5494.0, 5617.0, 5278.0, 5279.0, 5705.0, 5590.0, 5257.0, 5435.0, 5370.0, 5659.0, 5407.0, 5536.0, 5636.0, 5714.0, 5482.0, 5525.0, 5339.0, 5572.0, 5361.0, 5301.0, 5597.0, 5713.0, 5528.0, 5390.0, 5384.0, 5543.0, 5311.0, 5383.0, 5270.0, 5625.0, 5578.0, 5320.0, 5609.0, 5375.0, 5698.0, 5484.0, 5573.0, 5475.0, 5255.0, 5507.0, 5539.0, 5512.0, 5495.0, 5310.0 (number of hits: 3)
26	5269	9	1	333	1	5276.0, 5700.0, 5413.0, 5679.0, 5473.0, 5654.0, 5334.0, 5345.0, 5287.0, 5389.0, 5438.0, 5335.0, 5624.0, 5433.0, 5521.0, 5655.0, 5648.0, 5537.0, 5411.0, 5421.0, 5281.0, 5629.0, 5393.0, 5463.0, 5610.0, 5440.0, 5612.0, 5457.0, 5617.0, 5262.0, 5470.0, 5553.0, 5415.0, 5704.0, 5517.0, 5478.0, 5554.0, 5296.0, 5429.0, 5321.0, 5513.0, 5589.0, 5260.0, 5381.0, 5359.0, 5420.0, 5448.0, 5631.0, 5452.0, 5398.0, 5684.0, 5644.0, 5605.0, 5408.0, 5505.0, 5341.0, 5547.0, 5252.0, 5458.0, 5278.0, 5562.0, 5600.0, 5417.0, 5677.0, 5596.0, 5451.0, 5486.0, 5468.0, 5355.0, 5538.0, 5399.0, 5660.0, 5491.0, 5642.0, 5678.0, 5292.0, 5283.0, 5444.0, 5708.0, 5365.0, 5340.0, 5442.0, 5454.0, 5528.0, 5288.0, 5302.0, 5312.0, 5385.0, 5303.0, 5427.0, 5467.0, 5701.0, 5405.0, 5542.0, 5266.0, 5308.0, 5251.0, 5291.0, 5289.0, 5434.0 (number of hits: 4)
27	5269	9	1	333	1	5359.0, 5477.0, 5323.0, 5622.0, 5272.0, 5460.0, 5619.0, 5437.0, 5476.0, 5374.0, 5308.0, 5435.0, 5582.0, 5266.0, 5350.0, 5531.0, 5290.0, 5431.0, 5553.0, 5527.0, 5700.0, 5328.0, 5362.0, 5397.0, 5639.0, 5657.0, 5480.0, 5314.0, 5705.0, 5503.0, 5636.0, 5590.0, 5461.0, 5633.0, 5666.0, 5599.0, 5566.0, 5544.0, 5311.0, 5309.0, 5264.0, 5681.0, 5474.0, 5644.0, 5330.0, 5383.0, 5256.0, 5523.0, 5623.0, 5529.0, 5291.0, 5334.0, 5640.0, 5419.0, 5481.0, 5281.0, 5493.0, 5385.0, 5472.0, 5425.0, 5494.0, 5651.0, 5546.0, 5297.0, 5564.0, 5341.0, 5301.0, 5661.0, 5596.0, 5504.0, 5512.0, 5713.0, 5547.0, 5543.0, 5614.0, 5429.0, 5555.0, 5348.0, 5307.0, 5518.0, 5458.0, 5273.0, 5538.0, 5653.0, 5342.0, 5465.0, 5285.0, 5672.0, 5712.0, 5428.0, 5388.0, 5587.0, 5274.0, 5572.0, 5584.0, 5592.0, 5691.0, 5533.0, 5718.0, 5508.0

						(number of hits: 5)
28	5269	9	1	333	1	5292.0, 5403.0, 5643.0, 5324.0, 5465.0, 5375.0, 5281.0, 5559.0, 5542.0, 5556.0, 5607.0, 5454.0, 5536.0, 5288.0, 5686.0, 5667.0, 5477.0, 5544.0, 5592.0, 5681.0, 5352.0, 5710.0, 5478.0, 5483.0, 5319.0, 5582.0, 5464.0, 5569.0, 5349.0, 5571.0, 5463.0, 5265.0, 5354.0, 5709.0, 5279.0, 5550.0, 5283.0, 5528.0, 5557.0, 5363.0, 5398.0, 5566.0, 5351.0, 5555.0, 5511.0, 5353.0, 5698.0, 5359.0, 5459.0, 5613.0, 5394.0, 5491.0, 5372.0, 5367.0, 5583.0, 5597.0, 5598.0, 5448.0, 5658.0, 5633.0, 5610.0, 5303.0, 5443.0, 5576.0, 5447.0, 5445.0, 5546.0, 5476.0, 5302.0, 5618.0, 5444.0, 5327.0, 5679.0, 5551.0, 5433.0, 5488.0, 5651.0, 5479.0, 5538.0, 5717.0, 5629.0, 5399.0, 5623.0, 5409.0, 5313.0, 5625.0, 5357.0, 5386.0, 5322.0, 5703.0, 5635.0, 5640.0, 5585.0, 5499.0, 5374.0, 5617.0, 5290.0, 5358.0, 5715.0, 5675.0
						(number of hits: 1)
29	5269	9	1	333	1	5486.0, 5377.0, 5370.0, 5605.0, 5273.0, 5578.0, 5317.0, 5628.0, 5676.0, 5422.0, 5657.0, 5254.0, 5363.0, 5318.0, 5593.0, 5614.0, 5322.0, 5343.0, 5658.0, 5378.0, 5511.0, 5341.0, 5458.0, 5655.0, 5375.0, 5264.0, 5509.0, 5409.0, 5669.0, 5540.0, 5522.0, 5410.0, 5699.0, 5700.0, 5431.0, 5706.0, 5491.0, 5633.0, 5672.0, 5653.0, 5404.0, 5456.0, 5681.0, 5560.0, 5606.0, 5259.0, 5479.0, 5718.0, 5383.0, 5278.0, 5674.0, 5403.0, 5584.0, 5434.0, 5417.0, 5285.0, 5665.0, 5647.0, 5591.0, 5453.0, 5327.0, 5337.0, 5474.0, 5429.0, 5500.0, 5690.0, 5478.0, 5716.0, 5257.0, 5381.0, 5386.0, 5607.0, 5306.0, 5347.0, 5573.0, 5457.0, 5349.0, 5487.0, 5292.0, 5664.0, 5358.0, 5531.0, 5433.0, 5466.0, 5549.0, 5267.0, 5332.0, 5272.0, 5305.0, 5612.0, 5525.0, 5648.0, 5719.0, 5712.0, 5263.0, 5266.0, 5649.0, 5646.0, 5374.0, 5698.0
						(number of hits: 6)
30	5269	9	1	333	1	5271.0, 5514.0, 5636.0, 5437.0, 5711.0, 5619.0, 5600.0, 5292.0, 5312.0, 5670.0, 5532.0, 5524.0, 5336.0, 5281.0, 5481.0, 5606.0, 5266.0, 5563.0, 5584.0, 5358.0, 5631.0, 5665.0, 5706.0, 5555.0, 5332.0, 5457.0, 5488.0, 5444.0, 5528.0, 5259.0, 5254.0, 5543.0, 5258.0, 5501.0, 5604.0, 5360.0, 5389.0, 5339.0, 5611.0, 5565.0, 5593.0, 5383.0, 5696.0, 5671.0, 5388.0, 5427.0, 5504.0, 5722.0, 5633.0, 5455.0, 5559.0, 5709.0, 5272.0, 5549.0, 5374.0, 5442.0, 5382.0, 5567.0, 5282.0, 5529.0, 5330.0, 5294.0, 5516.0, 5284.0, 5356.0, 5613.0, 5677.0, 5596.0, 5401.0, 5556.0, 5586.0, 5713.0, 5512.0, 5257.0, 5497.0, 5621.0, 5647.0, 5661.0, 5547.0, 5309.0,

						5385.0, 5715.0, 5371.0, 5650.0, 5344.0, 5622.0, 5461.0, 5591.0, 5395.0, 5669.0, 5704.0, 5381.0, 5296.0, 5408.0, 5335.0, 5654.0, 5714.0, 5570.0, 5645.0, 5463.0 (number of hits: 3)

5270 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	93.33 %	80%	Pass
Type 5	30	93.33 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5270 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	67	1	798	1
2	5270	102	1	518	1
3	5270	78	1	678	1
4	5270	95	1	558	1
5	5270	92	1	578	1
6	5250	81	1	658	1
7	5250	70	1	758	1
8	5250	57	1	938	1
9	5250	86	1	618	1
10	5290	99	1	538	1
11	5290	68	1	778	1
12	5290	63	1	838	1
13	5290	76	1	698	1
14	5290	72	1	738	1
15	5290	58	1	918	1
16	5270	21	1	2598	1
17	5270	39	1	1363	1
18	5270	26	1	2108	1
19	5270	43	1	1229	1
20	5270	64	1	826	1
21	5250	23	1	2341	1
22	5250	86	1	617	1
23	5250	44	1	1203	1
24	5250	53	1	1014	1
25	5290	40	1	1321	1
26	5290	40	1	1353	1
27	5290	24	1	2273	1
28	5290	30	1	1812	1
29	5290	58	1	919	1
30	5290	31	1	1711	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	29	2.8	192	1
2	5270	27	2.9	219	1
3	5270	27	1.8	224	1
4	5270	26	3.6	152	1
5	5270	29	1.6	160	1
6	5270	26	3.5	163	1
7	5270	23	3.4	198	1
8	5270	24	1.8	206	1
9	5270	29	4.7	224	1
10	5270	26	4.8	200	0
11	5250	23	2.3	220	0
12	5250	29	3.3	230	1
13	5250	26	4.5	228	1
14	5250	24	1.5	217	1
15	5250	29	1.4	224	1
16	5250	24	1.9	153	1
17	5250	27	3.8	211	1
18	5250	24	3.7	228	1
19	5250	28	3.3	159	1
20	5250	26	3.4	228	1
21	5290	25	2.8	226	1
22	5290	28	3.1	200	1
23	5290	28	1.3	182	1
24	5290	25	1.6	222	1
25	5290	23	1.5	155	1
26	5290	24	4.6	223	1
27	5290	26	3.7	161	1
28	5290	24	1.8	154	1
29	5290	28	4.4	184	1
30	5290	28	1	182	1
Detection Percentage: 93.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	18	6.7	240	1
2	5270	18	7.5	290	0
3	5270	17	7.1	487	1
4	5270	17	8	245	1
5	5270	18	6.9	211	1
6	5270	16	7.8	489	0
7	5270	16	9	499	1
8	5270	17	7.3	299	1
9	5270	17	9.8	232	1
10	5270	16	8.7	382	1
11	5250	16	8.5	468	1
12	5250	17	9.8	295	1
13	5250	17	10	486	1
14	5250	16	9.7	403	1
15	5250	16	8.4	368	1
16	5250	18	7.8	368	1
17	5250	18	6.5	232	0
18	5250	18	6.1	468	1
19	5250	18	6.3	435	1
20	5250	18	10	461	1
21	5290	17	9.7	339	1
22	5290	16	7.4	487	1
23	5290	18	7.7	481	1
24	5290	17	6.7	289	1
25	5290	17	8.1	351	1
26	5290	16	8.3	342	1
27	5290	16	9.9	393	1
28	5290	16	6.3	387	0
29	5290	16	8.2	477	1
30	5290	18	7.4	485	0
Detection Percentage: 83.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	16	19.8	253	1
2	5270	16	19.9	497	1
3	5270	16	16.5	404	1
4	5270	12	12.1	396	1
5	5270	15	13.2	380	1
6	5270	16	19.9	201	1
7	5270	13	16.6	342	1
8	5270	16	19.9	246	1
9	5270	14	16.5	300	1
10	5270	15	15	394	1
11	5250	15	12.6	455	1
12	5250	12	17.5	212	1
13	5250	13	14.8	331	1
14	5250	14	17.8	381	1
15	5250	16	14.6	479	1
16	5250	15	18.5	495	1
17	5250	16	16.9	431	1
18	5250	14	13.9	446	1
19	5250	16	19.8	435	1
20	5250	16	18.7	464	1
21	5290	13	11.7	217	1
22	5290	14	18.3	493	1
23	5290	12	11.9	417	1
24	5290	16	18.6	236	1
25	5290	13	13.2	336	1
26	5290	14	15.8	261	1
27	5290	13	19.7	203	1
28	5290	15	17.7	358	1
29	5290	16	16.2	464	1
30	5290	13	18	272	0
Detection Percentage: 96.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5270	1
2	5270	1
3	5270	1
4	5270	1
5	5270	1
6	5270	1
7	5270	1
8	5270	1
9	5270	1
10	5270	1
11	5258.6	1
12	5254.2	1
13	5254.6	1
14	5257.4	1
15	5255.0	0
16	5257.0	1
17	5258.6	1
18	5256.2	1
19	5258.6	1
20	5253.8	1
21	5281.4	1
22	5285.0	1
23	5281.4	1
24	5283.8	1
25	5282.2	0
26	5285.8	1
27	5285.8	1
28	5284.2	1
29	5284.2	1
30	5283.0	1
Detection Percentage: 93.33% (>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	99.3	1609		0.926728	
1	2	7	64.5	1096		1.865132	
2	2	7	58.8	1460		2.228745	
3	2	7	56.8	1695		3.677584	
4	1	7	81.9			4.364098	
5	3	7	94.1	1628	1877	5.046684	1
6	2	7	74.9	1792		6.518585	
7	3	7	52	1343	1874	7.318319	
8	1	7	69.6			8.42665	
9	2	7	55.9	1680		9.194063	
10	3	7	62.3	1020	1874	10.532556	
11	2	7	68.1	1111		11.347957	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	88.9			0.192801	
1	3	11	53.3	1576	1881	1.138764	
2	2	11	65.8	1344		2.667643	
3	1	11	83.1			3.624042	
4	2	11	99.7	1190		4.708986	
5	3	11	97.5	1965	1422	5.02663	1
6	3	11	97.3	1035	1689	6.482494	
7	2	11	90.2	1273		7.667044	
8	2	11	60.4	1823		8.907169	
9	3	11	97.1	1508	1285	9.443733	
10	3	11	94.5	1802	1008	10.351169	
11	2	11	80	1528		11.488069	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	54.2	1078	1815	0.707306	
1	2	6	53.9	1734		1.038547	
2	1	6	54.2			2.940673	
3	2	6	66.1	1455		3.106883	
4	2	6	71.4	1044		4.863886	
5	2	6	51.8	1820		5.750258	
6	3	6	67.7	1423	1672	6.796825	1
7	2	6	90	1366		7.426174	
8	2	6	57	1498		8.823042	
9	2	6	50	1797		9.100059	
10	2	6	86.8	1468		10.475078	
11	1	6	86.8			11.934875	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	51.6			0.129109	
1	2	10	60.8	1603		1.29762	
2	2	10	60.7	1014		2.921547	
3	2	10	94.6	1012		3.543596	
4	3	10	97.9	1410	1332	4.149951	
5	1	10	94.4			5.32806	
6	3	10	62.7	1241	1886	6.500364	1
7	2	10	57.3	1822		7.347594	
8	3	10	82.8	1521	1194	8.742613	
9	2	10	90.9	1682		9.145501	
10	2	10	78.3	1484		10.305356	
11	2	10	75.4	1918		11.07979	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	83.2			0.092051	
1	3	14	73.9	1804	1320	0.840468	
2	2	14	70.9	1595		1.631209	
3	2	14	91.9	1181		2.234275	
4	3	14	84.8	1850	1412	2.453725	
5	1	14	87.8			3.080692	
6	1	14	66.2			3.670666	
7	2	14	95	1060		4.451196	
8	2	14	90.2	1899		5.090762	
9	2	14	98.9	1220		5.852858	
10	2	14	97.7	1360		6.49963	1
11	3	14	62	1557	1045	6.89252	
12	2	14	69.8	1025		7.288554	
13	2	14	56.1	1926		8.21474	
14	3	14	98.8	1162	1653	8.614562	
15	2	14	87.3	1621		9.287516	
16	1	14	59.1			10.080387	
17	3	14	75	1237	1615	10.511076	
18	2	14	80.9	1317		10.821496	
19	1	14	90.5			11.929922	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	57.4	1280		0.84874	
1	1	5	70.1			1.197654	
2	3	5	89.7	1377	1831	2.229541	
3	2	5	95.9	1585		3.136838	
4	2	5	83.1	1954		4.67263	
5	2	5	86.2	1647		5.08034	
6	2	5	91.9	1880		6.484202	1
7	2	5	90	1988		7.946957	
8	3	5	97.5	1046	1811	8.874373	
9	2	5	80.3	1446		9.545328	
10	3	5	62.4	1511	1527	10.474995	
11	1	5	60			11.694917	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	89.6	1179	1206	0.817392	
1	3	6	54.2	1892	1258	1.144135	
2	1	6	98.5			2.514651	
3	2	6	68.8	1094		3.897232	
4	2	6	68.6	1058		4.729112	
5	3	6	56.4	1713	1054	5.019237	
6	1	6	53.4			6.821802	1
7	1	6	61.6			7.564829	
8	2	6	55	1621		8.232532	
9	2	6	82.6	1924		9.645719	
10	2	6	76.7	1838		10.777379	
11	1	6	83.6			11.479733	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	68.6	1473	1940	0.215441	
1	3	15	70	1488	1793	1.716931	
2	2	15	60.5	1449		2.434828	
3	2	15	88.7	1103		3.0911	
4	2	15	92.5	1249		4.464962	
5	2	15	67.7	1280		5.068109	
6	1	15	63.7			5.943033	1
7	2	15	68.3	1448		7.048263	
8	2	15	76.8	1719		7.900966	
9	1	15	70.7			8.677851	
10	2	15	77	1197		9.875965	
11	1	15	67.1			10.764253	
12	3	15	55	1131	1553	11.898958	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	71.7	1176	1133	0.712953	
1	2	14	92.6	1322		1.216186	
2	1	14	69.9			2.800061	
3	2	14	52.5	1151		4.638472	
4	3	14	89.9	1651	1311	4.896755	1
5	3	14	51.1	1412	1635	6.616357	
6	2	14	73.7	1082		8.111952	
7	1	14	79.9			9.182021	
8	1	14	97.3			10.086778	
9	2	14	58.3	1673		11.150685	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	83.6	1771	1021	0.475289	
1	2	7	72.7	1458		1.166419	
2	2	7	65.2	1392		1.312656	
3	1	7	92			2.301453	
4	2	7	90	1726		2.753785	
5	1	7	82.6			3.302501	
6	3	7	66.8	1812	1904	3.652175	
7	2	7	76.9	1544		4.581499	
8	2	7	78.1	1535		5.071862	
9	1	7	65.6			5.572337	
10	1	7	52.1			6.014545	1
11	2	7	87.2	1946		7.043965	
12	3	7	69.2	1020	1960	7.755472	
13	3	7	69	1864	1228	8.065076	
14	3	7	53.1	1916	1159	8.78213	
15	2	7	70.9	1818		9.096508	
16	2	7	63.8	1555		9.925409	
17	1	7	79.5			10.48798	
18	3	7	99.7	1233	1130	10.977147	
19	2	7	55	1414		11.894912	

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	19	65.1	1054		0.62676	
1	1	19	57.1			1.499426	
2	2	19	97.7	1017		2.106446	
3	1	19	85.3			3.370907	
4	2	19	52.6	1168		3.532643	
5	2	19	67.2	1501		4.557569	
6	1	19	86.9			5.619373	
7	1	19	76.3			6.766859	1
8	2	19	64	1909		7.073214	
9	2	19	76.7	1570		7.900834	
10	3	19	52.5	1710	1813	9.072639	
11	2	19	83.7	1391		9.775535	
12	3	19	68.1	1030	1844	11.111436	
13	2	19	74.5	1498		11.890246	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	94.5	1396	1991	0.226363	
1	2	8	59	1950		1.066562	
2	3	8	50.4	1938	1120	1.573429	
3	3	8	64.8	1019	1630	2.565844	
4	2	8	57.1	1503		3.055645	
5	2	8	93.5	1115		3.750493	
6	3	8	60.1	1874	1524	4.748883	
7	1	8	66			5.095764	
8	3	8	92.6	1572	1481	6.288154	1
9	1	8	55.8			6.5746	
10	2	8	97.4	1669		7.135521	
11	1	8	52.6			8.265471	
12	3	8	57.5	1854	1976	9.145233	
13	2	8	80	1839		9.376634	
14	1	8	86.8			9.919804	
15	2	8	51.7	1304		10.627257	
16	1	8	80.7			11.669991	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	52.2	1131		0.346052	
1	3	9	99.4	1464	1857	1.57715	
2	2	9	62.1	1128		1.847875	
3	1	9	85.9			2.808624	
4	1	9	75.7			3.842825	
5	1	9	96.8			4.483612	
6	2	9	55.2	1050		5.231922	
7	3	9	90.9	1022	1846	6.168642	1
8	2	9	80.9	1968		6.730662	
9	3	9	50.3	1975	1422	7.888163	
10	1	9	57.7			8.062056	
11	2	9	58.9	1149		9.473472	
12	2	9	78.4	1318		10.258938	
13	1	9	60.7			10.454117	
14	2	9	58	1301		11.89617	

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	16	96.3	1740		0.028593	
1	1	16	93.2			1.148785	
2	3	16	69.2	1466	1073	1.778416	
3	2	16	98.6	1855		2.147072	
4	1	16	50.6			2.548133	
5	2	16	77.4	1268		3.388509	
6	1	16	71.7			3.857356	
7	2	16	94.9	1794		4.28108	
8	2	16	94.2	1467		5.377819	
9	2	16	79.9	1326		5.670129	1
10	1	16	74.9			6.250354	
11	1	16	59.4			6.605963	
12	2	16	56.8	1062		7.524146	
13	2	16	58.6	1347		8.010761	
14	1	16	54.7			8.434204	
15	1	16	91			9.370172	
16	3	16	70	1771	1890	9.65815	
17	1	16	82.5			10.392142	
18	2	16	80.5	1005		11.07382	
19	2	16	50.1	1000		11.67664	

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	10	91.4			0.730117	
1	2	10	53.7	1632		2.631318	
2	2	10	77	1820		3.068071	
3	2	10	62.4	1614		5.149027	
4	1	10	63			6.51979	0
5	2	10	73.8	1667		7.993327	
6	3	10	57.1	1849	1362	9.179068	
7	1	10	74.8			9.519001	
8	1	10	95.5			10.746753	

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	15	61.3	1371		0.255976	
1	3	15	62.3	1809	1239	0.940841	
2	1	15	59.7			2.147725	
3	3	15	73	1693	1974	2.874574	
4	2	15	70.5	1365		3.637675	
5	2	15	87.3	1155		4.675191	
6	2	15	99.8	1046		5.571987	
7	3	15	76.4	1086	1293	6.831546	1
8	2	15	64	1677		7.091347	
9	2	15	97.6	1206		8.139155	
10	1	15	99.5			9.177254	
11	2	15	74.4	1435		9.833137	
12	2	15	62.3	1705		10.510775	
13	3	15	98.4	1649	1606	11.781389	

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	19	63.6	1493	1274	0.144891	
1	2	19	77.6	1892		1.288978	
2	3	19	82.7	1985	1253	3.212272	
3	2	19	74.7	1347		3.403177	
4	2	19	90.3	1980		5.129707	
5	2	19	94.2	1730		5.556553	1
6	2	19	59.1	1158		7.331261	
7	1	19	98.5			8.315194	
8	2	19	66.7	1916		9.773226	
9	2	19	85.7	1796		10.795023	
10	1	19	93.5			11.770023	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	82.5	1131	1418	0.648197	
1	2	13	97.4	1259		1.407548	
2	1	13	71.7			1.709732	
3	2	13	94.3	1048		3.059293	
4	3	13	67.4	1292	1286	3.216741	
5	2	13	65.6	1473		4.662181	
6	3	13	69.5	1881	1314	5.116469	
7	2	13	94.5	1678		5.876411	1
8	2	13	55.9	1639		6.828714	
9	2	13	90.8	1342		7.936255	
10	3	13	82.9	1289	1184	8.643779	
11	3	13	60.9	1891	1687	9.210504	
12	1	13	57.9			9.892364	
13	2	13	58.4	1260		10.534162	
14	3	13	55.7	1037	1758	11.357604	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	99.3	1189		1.147324	
1	3	19	65.2	1514	1886	1.670474	
2	2	19	68.4	1950		2.497432	
3	2	19	94.2	1950		4.197246	
4	3	19	82.9	1309	1681	5.971548	
5	3	19	93.7	1312	1866	7.101658	1
6	2	19	75.5	1572		7.829324	
7	2	19	58.7	1448		9.543861	
8	2	19	93.9	1120		9.727345	
9	2	19	58.2	1994		11.815979	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	88.1	1778		0.774634	
1	1	7	53.4			1.164906	
2	3	7	96.4	1328	1698	2.039978	
3	3	7	58.2	1055	1334	3.054903	
4	1	7	75.6			3.818134	
5	2	7	66.3	1318		4.40826	
6	2	7	89.9	1747		5.363605	
7	2	7	71	1634		6.164483	1
8	2	7	83.2	1615		6.961064	
9	3	7	73.1	1826	1829	8.243567	
10	3	7	95.8	1823	1957	8.910376	
11	3	7	62.5	1944	1283	9.429806	
12	2	7	93.3	1509		10.831697	
13	1	7	80.3			11.466641	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	98.9	1148		0.390601	
1	1	19	64.1			1.606063	
2	2	19	83.6	1948		2.21067	
3	3	19	73.9	1467	1751	2.641802	
4	2	19	96.6	1885		4.077064	
5	2	19	94.2	1348		4.708779	
6	2	19	71	1461		5.989872	1
7	2	19	51	1631		6.487667	
8	2	19	69.7	1675		7.285126	
9	3	19	60.8	1351	1697	8.338443	
10	2	19	86.4	1941		9.220792	
11	2	19	88.2	1537		9.477671	
12	2	19	56.4	1886		10.988456	
13	2	19	100	1012		11.775443	

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	10	68.5	1407		0.478432	
1	1	10	54.8			0.906011	
2	1	10	67.8			2.142847	
3	2	10	58.5	1110		2.489437	
4	2	10	52.6	1863		3.399156	
5	2	10	60.5	1496		4.088513	
6	2	10	85.4	1605		4.560809	
7	2	10	93	1714		5.903514	
8	1	10	50.2			6.391066	1
9	3	10	98.2	1859	1942	6.789234	
10	1	10	78			7.732911	
11	3	10	89.4	1745	1730	8.870116	
12	1	10	87.7			9.044849	
13	2	10	79.8	1845		10.080639	
14	3	10	61	1188	1842	11.181377	
15	2	10	99	1258		11.431687	

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	19	68.1	1554	1614	0.17227	
1	2	19	84.7	1639		1.344798	
2	2	19	51.4	1023		1.644291	
3	2	19	74.4	1780		2.287	
4	2	19	78.3	1575		2.830982	
5	2	19	75.9	1115		4.085063	
6	1	19	82.4			4.855176	
7	2	19	97.9	1548		5.052955	
8	2	19	98.3	1969		5.793093	1
9	3	19	79.1	1582	1271	6.735755	
10	2	19	66.7	1903		7.186151	
11	1	19	88.3			8.030848	
12	2	19	50	1089		8.70389	
13	1	19	77.8			9.190916	
14	2	19	50.9	1909		10.307607	
15	1	19	99.4			10.96506	
16	3	19	81.4	1004	1098	11.481714	

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	78.6	1907		0.219038	
1	1	13	50.1			1.535436	
2	2	13	68.1	1630		1.641386	
3	1	13	95.5			2.937241	
4	1	13	94.1			3.770033	
5	3	13	74.7	1368	1391	4.51577	
6	2	13	71.5	1381		5.181923	
7	2	13	91.8	1479		5.718853	1
8	3	13	78.8	1322	1511	6.984333	
9	2	13	94.3	1818		7.887551	
10	1	13	60.1			8.304485	
11	1	13	76.8			8.817236	
12	1	13	77.6			10.097665	
13	1	13	99.8			11.103236	
14	2	13	72.2	1016		11.393584	

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	17	60.3	1989	1365	0.494906	
1	1	17	67.4			2.072609	
2	1	17	70.5			2.940771	
3	3	17	81.3	1032	1254	4.0042	
4	1	17	88.8			4.963483	
5	3	17	92.8	1066	1708	6.36731	0
6	2	17	98.7	1202		7.399471	
7	3	17	57	1299	1436	8.814867	
8	2	17	64.9	1830		10.224093	
9	2	17	63.3	1530		11.499499	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	74.6	1497	1088	0.297599	
1	1	8	97.8			1.172925	
2	1	8	98.7			1.704621	
3	2	8	55.1	1155		2.209429	
4	2	8	75.9	1728		2.676007	
5	3	8	66.1	1920	1602	3.274994	
6	1	8	75.4			3.635595	
7	3	8	54.6	1893	1417	4.624935	
8	2	8	79.7	1703		5.013292	
9	1	8	60.7			5.439233	
10	2	8	77.9	1040		6.374843	1
11	3	8	70.4	1430	1281	6.815358	
12	2	8	51.3	1607		7.609626	
13	2	8	94.1	1524		7.920266	
14	2	8	75.2	1532		8.451371	
15	2	8	71.4	1656		9.340702	
16	2	8	93.3	1500		10.127173	
17	2	8	98.2	1820		10.776518	
18	1	8	89.6			10.956932	
19	3	8	80.1	1612	1516	11.653385	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	66.5	1187		0.920412	
1	3	8	80	1816	1742	2.308723	
2	1	8	85.1			2.810888	
3	2	8	76.9	1965		4.440559	
4	3	8	61.5	1752	1970	5.133178	1
5	2	8	50.4	1388		6.437157	
6	2	8	71.4	1243		8.035391	
7	3	8	98.3	1174	1784	9.286284	
8	1	8	70.5			10.08076	
9	2	8	54.7	1209		11.365105	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	78.2			0.969301	
1	2	12	95.9	1746		1.59968	
2	3	12	58	1914	1063	2.986414	
3	1	12	94.3			3.964477	
4	2	12	96.1	1775		4.865091	1
5	1	12	91.9			6.038019	
6	1	12	74.7			7.844947	
7	2	12	97.5	1235		8.602569	
8	2	12	79.7	1888		10.121324	
9	3	12	57.3	1327	1597	11.625051	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	85.3			0.652328	
1	2	12	68.9	1569		1.635994	
2	3	12	66.6	1485	1015	2.478532	
3	1	12	86			3.214177	
4	2	12	50.6	1881		4.506103	
5	2	12	80.6	1686		4.662131	
6	3	12	82.8	1266	1461	5.820646	1
7	2	12	97.5	1575		7.284927	
8	2	12	68.9	1611		7.526524	
9	3	12	63.3	1944	1514	8.38489	
10	3	12	55.1	1783	1729	9.653282	
11	1	12	80.1			10.741332	
12	2	12	97.5	1973		11.652378	

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	15	61	1606		0.306073	
1	1	15	52.1			1.11268	
2	3	15	78.2	1613	1283	2.101575	
3	1	15	51.9			2.341697	
4	3	15	86	1726	1213	3.357203	
5	2	15	98.1	1454		4.216307	
6	1	15	54.2			4.825766	
7	1	15	50.6			5.287952	
8	2	15	85.8	1489		6.259697	1
9	1	15	54			7.302465	
10	1	15	99			7.562012	
11	2	15	74.2	1892		8.428435	
12	2	15	73	1568		9.736952	
13	2	15	66.4	1649		9.963461	
14	2	15	76.2	1925		10.65316	
15	1	15	57.1			11.427424	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5270	9	1	333	1	5274.0, 5261.0, 5443.0, 5655.0, 5448.0, 5554.0, 5286.0, 5425.0, 5334.0, 5445.0, 5640.0, 5504.0, 5418.0, 5356.0, 5292.0, 5583.0, 5362.0, 5423.0, 5432.0, 5672.0, 5496.0, 5355.0, 5439.0, 5602.0, 5675.0, 5668.0, 5467.0, 5639.0, 5422.0, 5305.0, 5578.0, 5605.0, 5270.0, 5663.0, 5341.0, 5405.0, 5471.0, 5627.0, 5294.0, 5544.0, 5508.0, 5459.0, 5622.0, 5706.0, 5652.0, 5718.0, 5408.0, 5594.0, 5543.0, 5643.0, 5318.0, 5723.0, 5372.0, 5438.0, 5420.0, 5521.0, 5512.0, 5690.0, 5712.0, 5393.0, 5649.0, 5635.0, 5469.0, 5598.0, 5681.0, 5316.0, 5664.0, 5520.0, 5715.0, 5497.0, 5364.0, 5281.0, 5404.0, 5634.0, 5278.0, 5487.0, 5429.0, 5435.0, 5564.0, 5552.0, 5309.0, 5460.0, 5449.0, 5625.0, 5702.0, 5581.0, 5599.0, 5399.0, 5589.0, 5592.0, 5645.0, 5486.0, 5624.0, 5387.0, 5660.0, 5413.0, 5691.0, 5491.0, 5523.0, 5588.0 (number of hits: 6)
2	5270	9	1	333	1	5466.0, 5538.0, 5271.0, 5650.0, 5434.0, 5382.0, 5509.0, 5353.0, 5468.0, 5400.0, 5359.0, 5531.0, 5685.0, 5530.0, 5622.0, 5565.0, 5579.0, 5453.0, 5387.0, 5482.0, 5611.0, 5265.0, 5677.0, 5413.0, 5454.0, 5501.0, 5415.0, 5319.0, 5277.0, 5430.0, 5634.0, 5362.0, 5360.0, 5406.0, 5596.0, 5441.0, 5373.0, 5290.0, 5656.0, 5598.0, 5459.0, 5350.0, 5640.0, 5644.0, 5293.0, 5366.0, 5521.0, 5485.0, 5690.0, 5584.0, 5470.0, 5291.0, 5316.0, 5397.0, 5414.0, 5708.0, 5555.0, 5443.0, 5361.0, 5329.0, 5594.0, 5273.0, 5368.0, 5444.0, 5652.0, 5295.0, 5301.0, 5631.0, 5321.0, 5669.0, 5310.0, 5678.0, 5474.0, 5447.0, 5491.0, 5408.0, 5336.0, 5285.0, 5710.0, 5431.0, 5639.0, 5266.0, 5404.0, 5498.0, 5318.0, 5580.0, 5372.0, 5688.0, 5680.0, 5345.0, 5713.0, 5510.0, 5405.0, 5296.0, 5707.0, 5517.0, 5426.0, 5343.0, 5723.0, 5358.0 (number of hits: 6)
3	5270	9	1	333	1	5346.0, 5519.0, 5369.0, 5494.0, 5485.0, 5371.0, 5527.0, 5382.0, 5526.0, 5692.0, 5512.0, 5645.0, 5427.0, 5572.0, 5351.0, 5329.0, 5302.0, 5501.0, 5619.0, 5630.0, 5708.0, 5514.0, 5279.0, 5388.0, 5286.0, 5291.0, 5263.0, 5402.0, 5626.0, 5641.0, 5434.0, 5479.0, 5608.0, 5414.0, 5505.0, 5324.0, 5679.0, 5448.0, 5380.0, 5397.0, 5528.0, 5701.0, 5319.0, 5581.0, 5431.0, 5478.0, 5480.0, 5624.0, 5460.0, 5251.0, 5544.0, 5257.0, 5342.0, 5258.0, 5424.0,

						5665.0, 5612.0, 5590.0, 5408.0, 5529.0, 5574.0, 5488.0, 5680.0, 5584.0, 5564.0, 5553.0, 5435.0, 5540.0, 5560.0, 5271.0, 5280.0, 5392.0, 5296.0, 5629.0, 5316.0, 5614.0, 5657.0, 5609.0, 5368.0, 5489.0, 5656.0, 5394.0, 5604.0, 5370.0, 5648.0, 5490.0, 5693.0, 5252.0, 5687.0, 5317.0, 5364.0, 5531.0, 5297.0, 5707.0, 5417.0, 5557.0, 5343.0, 5589.0, 5365.0, 5419.0 (number of hits: 9)
4	5270	9	1	333	1	5335.0, 5358.0, 5383.0, 5305.0, 5702.0, 5650.0, 5473.0, 5311.0, 5343.0, 5581.0, 5316.0, 5672.0, 5518.0, 5295.0, 5382.0, 5704.0, 5676.0, 5453.0, 5504.0, 5289.0, 5612.0, 5578.0, 5405.0, 5673.0, 5386.0, 5294.0, 5304.0, 5324.0, 5420.0, 5572.0, 5613.0, 5671.0, 5588.0, 5625.0, 5697.0, 5270.0, 5642.0, 5428.0, 5505.0, 5587.0, 5541.0, 5669.0, 5328.0, 5479.0, 5485.0, 5341.0, 5500.0, 5435.0, 5415.0, 5631.0, 5432.0, 5370.0, 5404.0, 5655.0, 5276.0, 5663.0, 5273.0, 5558.0, 5356.0, 5685.0, 5454.0, 5271.0, 5345.0, 5339.0, 5556.0, 5511.0, 5445.0, 5694.0, 5491.0, 5419.0, 5365.0, 5550.0, 5542.0, 5508.0, 5528.0, 5506.0, 5690.0, 5688.0, 5715.0, 5429.0, 5602.0, 5437.0, 5436.0, 5577.0, 5627.0, 5706.0, 5661.0, 5360.0, 5549.0, 5562.0, 5620.0, 5495.0, 5524.0, 5498.0, 5323.0, 5301.0, 5257.0, 5409.0, 5267.0, 5564.0 (number of hits: 6)
5	5270	9	1	333	1	5619.0, 5372.0, 5517.0, 5382.0, 5434.0, 5656.0, 5449.0, 5611.0, 5461.0, 5580.0, 5362.0, 5367.0, 5651.0, 5663.0, 5437.0, 5452.0, 5270.0, 5641.0, 5683.0, 5561.0, 5668.0, 5530.0, 5600.0, 5544.0, 5488.0, 5485.0, 5298.0, 5370.0, 5443.0, 5565.0, 5691.0, 5494.0, 5712.0, 5433.0, 5363.0, 5374.0, 5603.0, 5501.0, 5420.0, 5425.0, 5439.0, 5383.0, 5567.0, 5429.0, 5608.0, 5645.0, 5596.0, 5721.0, 5304.0, 5492.0, 5562.0, 5261.0, 5271.0, 5486.0, 5497.0, 5403.0, 5662.0, 5297.0, 5620.0, 5431.0, 5604.0, 5402.0, 5388.0, 5538.0, 5609.0, 5639.0, 5583.0, 5477.0, 5632.0, 5331.0, 5345.0, 5566.0, 5435.0, 5713.0, 5441.0, 5628.0, 5307.0, 5480.0, 5649.0, 5294.0, 5666.0, 5484.0, 5384.0, 5581.0, 5379.0, 5308.0, 5491.0, 5301.0, 5526.0, 5454.0, 5508.0, 5415.0, 5355.0, 5474.0, 5716.0, 5253.0, 5694.0, 5688.0, 5612.0, 5690.0 (number of hits: 4)
6	5270	9	1	333	1	5665.0, 5691.0, 5396.0, 5291.0, 5405.0, 5425.0, 5313.0, 5515.0, 5682.0, 5681.0, 5667.0, 5416.0, 5695.0, 5492.0, 5377.0, 5591.0, 5409.0, 5294.0, 5316.0, 5487.0, 5463.0, 5474.0, 5570.0, 5524.0, 5661.0, 5373.0, 5386.0, 5440.0, 5574.0, 5616.0, 5659.0, 5302.0, 5490.0, 5261.0, 5581.0,

						5721.0, 5281.0, 5473.0, 5572.0, 5601.0, 5398.0, 5292.0, 5529.0, 5285.0, 5653.0, 5484.0, 5597.0, 5525.0, 5419.0, 5314.0, 5619.0, 5649.0, 5589.0, 5556.0, 5497.0, 5266.0, 5519.0, 5540.0, 5639.0, 5465.0, 5566.0, 5560.0, 5369.0, 5549.0, 5534.0, 5625.0, 5417.0, 5666.0, 5479.0, 5251.0, 5692.0, 5322.0, 5307.0, 5351.0, 5634.0, 5629.0, 5488.0, 5321.0, 5593.0, 5347.0, 5660.0, 5336.0, 5328.0, 5506.0, 5646.0, 5715.0, 5392.0, 5482.0, 5594.0, 5359.0, 5454.0, 5303.0, 5280.0, 5411.0, 5505.0, 5452.0, 5576.0, 5687.0, 5706.0, 5675.0 (number of hits: 6)
7	5270	9	1	333	1	5429.0, 5314.0, 5641.0, 5721.0, 5270.0, 5511.0, 5621.0, 5648.0, 5473.0, 5554.0, 5559.0, 5299.0, 5458.0, 5505.0, 5265.0, 5442.0, 5514.0, 5616.0, 5679.0, 5327.0, 5687.0, 5450.0, 5586.0, 5301.0, 5590.0, 5690.0, 5491.0, 5584.0, 5413.0, 5420.0, 5682.0, 5412.0, 5446.0, 5305.0, 5634.0, 5557.0, 5288.0, 5290.0, 5555.0, 5476.0, 5300.0, 5572.0, 5254.0, 5295.0, 5517.0, 5689.0, 5378.0, 5561.0, 5308.0, 5713.0, 5467.0, 5537.0, 5613.0, 5465.0, 5608.0, 5464.0, 5321.0, 5527.0, 5459.0, 5435.0, 5362.0, 5403.0, 5701.0, 5274.0, 5698.0, 5309.0, 5635.0, 5653.0, 5331.0, 5319.0, 5352.0, 5475.0, 5501.0, 5448.0, 5451.0, 5323.0, 5267.0, 5649.0, 5707.0, 5439.0, 5333.0, 5632.0, 5672.0, 5461.0, 5683.0, 5382.0, 5626.0, 5510.0, 5411.0, 5508.0, 5564.0, 5369.0, 5615.0, 5583.0, 5519.0, 5453.0, 5594.0, 5637.0, 5597.0, 5631.0 (number of hits: 6)
8	5270	9	1	333	1	5375.0, 5334.0, 5714.0, 5263.0, 5477.0, 5478.0, 5350.0, 5258.0, 5397.0, 5662.0, 5456.0, 5276.0, 5688.0, 5705.0, 5374.0, 5265.0, 5553.0, 5532.0, 5294.0, 5362.0, 5382.0, 5306.0, 5541.0, 5621.0, 5585.0, 5549.0, 5376.0, 5361.0, 5587.0, 5636.0, 5540.0, 5663.0, 5425.0, 5545.0, 5410.0, 5281.0, 5455.0, 5598.0, 5693.0, 5576.0, 5513.0, 5486.0, 5459.0, 5488.0, 5670.0, 5667.0, 5427.0, 5686.0, 5509.0, 5400.0, 5575.0, 5581.0, 5616.0, 5480.0, 5326.0, 5689.0, 5418.0, 5328.0, 5649.0, 5648.0, 5365.0, 5582.0, 5628.0, 5321.0, 5332.0, 5564.0, 5609.0, 5555.0, 5606.0, 5312.0, 5371.0, 5449.0, 5341.0, 5444.0, 5485.0, 5261.0, 5285.0, 5490.0, 5711.0, 5426.0, 5466.0, 5254.0, 5296.0, 5673.0, 5650.0, 5633.0, 5692.0, 5519.0, 5476.0, 5412.0, 5451.0, 5499.0, 5447.0, 5620.0, 5386.0, 5307.0, 5408.0, 5535.0, 5600.0, 5589.0 (number of hits: 8)
9	5270	9	1	333	1	5503.0, 5601.0, 5555.0, 5346.0, 5364.0, 5670.0, 5436.0, 5373.0, 5625.0, 5468.0, 5461.0, 5452.0, 5589.0, 5556.0, 5675.0,

						5421.0, 5621.0, 5413.0, 5635.0, 5298.0, 5474.0, 5536.0, 5445.0, 5367.0, 5463.0, 5327.0, 5565.0, 5599.0, 5365.0, 5419.0, 5694.0, 5448.0, 5703.0, 5529.0, 5262.0, 5318.0, 5256.0, 5440.0, 5648.0, 5285.0, 5624.0, 5704.0, 5501.0, 5466.0, 5279.0, 5705.0, 5444.0, 5472.0, 5632.0, 5584.0, 5254.0, 5252.0, 5602.0, 5531.0, 5385.0, 5483.0, 5617.0, 5323.0, 5258.0, 5338.0, 5701.0, 5652.0, 5598.0, 5628.0, 5341.0, 5508.0, 5350.0, 5329.0, 5622.0, 5478.0, 5281.0, 5637.0, 5375.0, 5408.0, 5667.0, 5418.0, 5535.0, 5481.0, 5499.0, 5261.0, 5340.0, 5406.0, 5297.0, 5638.0, 5575.0, 5332.0, 5270.0, 5458.0, 5594.0, 5513.0, 5557.0, 5654.0, 5564.0, 5336.0, 5399.0, 5424.0, 5558.0, 5388.0, 5528.0, 5433.0 (number of hits: 10)
10	5270	9	1	333	1	5322.0, 5604.0, 5666.0, 5482.0, 5391.0, 5313.0, 5595.0, 5262.0, 5441.0, 5465.0, 5722.0, 5298.0, 5332.0, 5684.0, 5679.0, 5617.0, 5616.0, 5354.0, 5311.0, 5272.0, 5426.0, 5694.0, 5704.0, 5333.0, 5653.0, 5708.0, 5357.0, 5611.0, 5308.0, 5339.0, 5524.0, 5366.0, 5641.0, 5430.0, 5347.0, 5415.0, 5537.0, 5570.0, 5406.0, 5550.0, 5302.0, 5600.0, 5319.0, 5356.0, 5489.0, 5394.0, 5326.0, 5431.0, 5305.0, 5386.0, 5582.0, 5555.0, 5448.0, 5397.0, 5297.0, 5403.0, 5428.0, 5717.0, 5341.0, 5528.0, 5580.0, 5543.0, 5342.0, 5486.0, 5618.0, 5676.0, 5475.0, 5376.0, 5532.0, 5281.0, 5642.0, 5286.0, 5315.0, 5519.0, 5553.0, 5711.0, 5613.0, 5453.0, 5377.0, 5477.0, 5589.0, 5270.0, 5608.0, 5283.0, 5529.0, 5659.0, 5330.0, 5609.0, 5695.0, 5481.0, 5724.0, 5261.0, 5663.0, 5622.0, 5597.0, 5374.0, 5572.0, 5271.0, 5701.0, 5576.0 (number of hits: 8)
11	5250	9	1	333	1	5262.0, 5378.0, 5519.0, 5435.0, 5668.0, 5608.0, 5363.0, 5658.0, 5671.0, 5401.0, 5416.0, 5425.0, 5429.0, 5358.0, 5605.0, 5564.0, 5366.0, 5291.0, 5715.0, 5331.0, 5423.0, 5477.0, 5307.0, 5466.0, 5620.0, 5705.0, 5323.0, 5285.0, 5480.0, 5666.0, 5373.0, 5691.0, 5600.0, 5588.0, 5485.0, 5469.0, 5541.0, 5515.0, 5372.0, 5390.0, 5389.0, 5623.0, 5250.0, 5273.0, 5527.0, 5511.0, 5420.0, 5267.0, 5708.0, 5394.0, 5385.0, 5682.0, 5352.0, 5538.0, 5472.0, 5494.0, 5532.0, 5641.0, 5667.0, 5397.0, 5650.0, 5380.0, 5409.0, 5277.0, 5717.0, 5259.0, 5430.0, 5695.0, 5503.0, 5669.0, 5562.0, 5568.0, 5638.0, 5594.0, 5560.0, 5634.0, 5645.0, 5676.0, 5506.0, 5421.0, 5604.0, 5563.0, 5342.0, 5357.0, 5337.0, 5530.0, 5393.0, 5252.0, 5581.0, 5367.0, 5703.0, 5282.0, 5474.0, 5679.0, 5683.0, 5276.0, 5492.0, 5720.0, 5269.0, 5495.0

						(number of hits: 10)
12	5250	9	1	333	1	5714.0, 5606.0, 5258.0, 5464.0, 5323.0, 5540.0, 5332.0, 5265.0, 5391.0, 5712.0, 5483.0, 5392.0, 5482.0, 5601.0, 5372.0, 5638.0, 5630.0, 5421.0, 5355.0, 5560.0, 5570.0, 5519.0, 5368.0, 5511.0, 5472.0, 5612.0, 5688.0, 5308.0, 5604.0, 5255.0, 5314.0, 5390.0, 5720.0, 5358.0, 5631.0, 5456.0, 5621.0, 5476.0, 5524.0, 5350.0, 5675.0, 5397.0, 5277.0, 5444.0, 5603.0, 5413.0, 5566.0, 5475.0, 5692.0, 5343.0, 5344.0, 5577.0, 5509.0, 5695.0, 5588.0, 5649.0, 5285.0, 5458.0, 5703.0, 5659.0, 5550.0, 5404.0, 5563.0, 5440.0, 5275.0, 5253.0, 5284.0, 5272.0, 5273.0, 5599.0, 5290.0, 5501.0, 5549.0, 5257.0, 5466.0, 5426.0, 5583.0, 5529.0, 5409.0, 5446.0, 5530.0, 5279.0, 5620.0, 5615.0, 5443.0, 5539.0, 5293.0, 5452.0, 5365.0, 5661.0, 5278.0, 5361.0, 5395.0, 5321.0, 5685.0, 5352.0, 5283.0, 5702.0, 5724.0, 5394.0
						(number of hits: 14)
13	5250	9	1	333	1	5539.0, 5385.0, 5551.0, 5691.0, 5387.0, 5255.0, 5316.0, 5278.0, 5471.0, 5303.0, 5450.0, 5444.0, 5585.0, 5557.0, 5449.0, 5441.0, 5719.0, 5526.0, 5660.0, 5535.0, 5602.0, 5553.0, 5597.0, 5703.0, 5409.0, 5601.0, 5646.0, 5649.0, 5269.0, 5378.0, 5645.0, 5272.0, 5710.0, 5504.0, 5550.0, 5708.0, 5524.0, 5362.0, 5549.0, 5577.0, 5617.0, 5330.0, 5678.0, 5328.0, 5684.0, 5284.0, 5513.0, 5376.0, 5295.0, 5443.0, 5336.0, 5411.0, 5652.0, 5314.0, 5675.0, 5698.0, 5674.0, 5631.0, 5447.0, 5457.0, 5252.0, 5273.0, 5462.0, 5400.0, 5338.0, 5413.0, 5718.0, 5654.0, 5473.0, 5381.0, 5437.0, 5658.0, 5313.0, 5657.0, 5281.0, 5547.0, 5642.0, 5317.0, 5651.0, 5263.0, 5352.0, 5667.0, 5530.0, 5613.0, 5592.0, 5285.0, 5496.0, 5393.0, 5404.0, 5397.0, 5518.0, 5412.0, 5589.0, 5291.0, 5544.0, 5368.0, 5570.0, 5424.0, 5363.0, 5680.0
						(number of hits: 10)
14	5250	9	1	333	1	5450.0, 5404.0, 5551.0, 5483.0, 5414.0, 5595.0, 5619.0, 5628.0, 5395.0, 5622.0, 5264.0, 5698.0, 5398.0, 5373.0, 5654.0, 5676.0, 5719.0, 5487.0, 5391.0, 5317.0, 5670.0, 5661.0, 5542.0, 5340.0, 5477.0, 5453.0, 5439.0, 5482.0, 5433.0, 5390.0, 5425.0, 5440.0, 5515.0, 5669.0, 5603.0, 5599.0, 5618.0, 5421.0, 5642.0, 5678.0, 5598.0, 5532.0, 5486.0, 5506.0, 5649.0, 5377.0, 5351.0, 5516.0, 5293.0, 5310.0, 5536.0, 5292.0, 5257.0, 5392.0, 5381.0, 5507.0, 5333.0, 5260.0, 5645.0, 5561.0, 5432.0, 5690.0, 5338.0, 5549.0, 5262.0, 5278.0, 5672.0, 5700.0, 5684.0, 5268.0, 5528.0, 5569.0, 5679.0, 5386.0, 5295.0, 5415.0, 5612.0, 5523.0, 5609.0, 5354.0,

						5579.0, 5527.0, 5382.0, 5709.0, 5614.0, 5435.0, 5682.0, 5452.0, 5518.0, 5637.0, 5533.0, 5319.0, 5484.0, 5722.0, 5712.0, 5590.0, 5372.0, 5573.0, 5299.0, 5631.0 (number of hits: 6)
15	5250	9	1	333	1	5275.0, 5358.0, 5434.0, 5468.0, 5686.0, 5543.0, 5490.0, 5507.0, 5298.0, 5564.0, 5282.0, 5562.0, 5670.0, 5505.0, 5439.0, 5328.0, 5688.0, 5578.0, 5572.0, 5309.0, 5394.0, 5667.0, 5336.0, 5633.0, 5510.0, 5461.0, 5266.0, 5350.0, 5398.0, 5605.0, 5360.0, 5254.0, 5538.0, 5580.0, 5420.0, 5453.0, 5494.0, 5414.0, 5276.0, 5433.0, 5604.0, 5362.0, 5287.0, 5481.0, 5694.0, 5673.0, 5680.0, 5401.0, 5383.0, 5593.0, 5624.0, 5554.0, 5260.0, 5715.0, 5518.0, 5662.0, 5450.0, 5606.0, 5415.0, 5261.0, 5356.0, 5377.0, 5615.0, 5608.0, 5354.0, 5431.0, 5666.0, 5428.0, 5297.0, 5479.0, 5657.0, 5409.0, 5557.0, 5498.0, 5313.0, 5630.0, 5681.0, 5650.0, 5387.0, 5531.0, 5321.0, 5571.0, 5380.0, 5661.0, 5594.0, 5707.0, 5537.0, 5366.0, 5316.0, 5499.0, 5603.0, 5671.0, 5568.0, 5469.0, 5665.0, 5623.0, 5292.0, 5256.0, 5375.0, 5533.0 (number of hits: 9)
16	5250	9	1	333	1	5557.0, 5376.0, 5594.0, 5524.0, 5406.0, 5400.0, 5374.0, 5396.0, 5652.0, 5549.0, 5314.0, 5379.0, 5650.0, 5481.0, 5511.0, 5540.0, 5452.0, 5550.0, 5523.0, 5261.0, 5474.0, 5495.0, 5606.0, 5713.0, 5685.0, 5254.0, 5514.0, 5626.0, 5271.0, 5611.0, 5571.0, 5638.0, 5351.0, 5342.0, 5510.0, 5541.0, 5640.0, 5699.0, 5655.0, 5422.0, 5658.0, 5675.0, 5329.0, 5297.0, 5608.0, 5372.0, 5663.0, 5542.0, 5498.0, 5682.0, 5582.0, 5610.0, 5664.0, 5294.0, 5267.0, 5348.0, 5558.0, 5429.0, 5677.0, 5667.0, 5347.0, 5251.0, 5285.0, 5365.0, 5434.0, 5509.0, 5340.0, 5505.0, 5453.0, 5410.0, 5628.0, 5353.0, 5447.0, 5590.0, 5625.0, 5596.0, 5274.0, 5684.0, 5657.0, 5293.0, 5508.0, 5544.0, 5503.0, 5568.0, 5334.0, 5602.0, 5660.0, 5262.0, 5615.0, 5597.0, 5423.0, 5507.0, 5538.0, 5442.0, 5539.0, 5634.0, 5490.0, 5526.0, 5635.0, 5335.0 (number of hits: 8)
17	5250	9	1	333	1	5275.0, 5593.0, 5267.0, 5715.0, 5266.0, 5572.0, 5496.0, 5524.0, 5513.0, 5271.0, 5467.0, 5485.0, 5681.0, 5604.0, 5295.0, 5434.0, 5309.0, 5600.0, 5483.0, 5647.0, 5670.0, 5590.0, 5720.0, 5656.0, 5322.0, 5710.0, 5491.0, 5365.0, 5282.0, 5263.0, 5636.0, 5713.0, 5466.0, 5533.0, 5544.0, 5568.0, 5701.0, 5255.0, 5362.0, 5435.0, 5686.0, 5583.0, 5692.0, 5463.0, 5358.0, 5687.0, 5424.0, 5298.0, 5500.0, 5705.0, 5618.0, 5462.0, 5363.0, 5367.0, 5328.0, 5336.0, 5306.0, 5627.0, 5353.0, 5426.0,

						5585.0, 5595.0, 5388.0, 5698.0, 5443.0, 5279.0, 5563.0, 5558.0, 5339.0, 5290.0, 5619.0, 5416.0, 5508.0, 5579.0, 5562.0, 5525.0, 5624.0, 5658.0, 5570.0, 5360.0, 5296.0, 5264.0, 5643.0, 5573.0, 5673.0, 5606.0, 5445.0, 5474.0, 5313.0, 5529.0, 5393.0, 5316.0, 5482.0, 5550.0, 5286.0, 5532.0, 5272.0, 5444.0, 5415.0, 5530.0 (number of hits: 11)
18	5250	9	1	333	1	5392.0, 5463.0, 5615.0, 5336.0, 5548.0, 5317.0, 5250.0, 5535.0, 5713.0, 5404.0, 5589.0, 5283.0, 5288.0, 5538.0, 5408.0, 5517.0, 5577.0, 5313.0, 5588.0, 5289.0, 5576.0, 5602.0, 5281.0, 5303.0, 5530.0, 5443.0, 5516.0, 5292.0, 5678.0, 5619.0, 5528.0, 5476.0, 5523.0, 5696.0, 5581.0, 5268.0, 5409.0, 5420.0, 5533.0, 5470.0, 5555.0, 5579.0, 5693.0, 5694.0, 5284.0, 5661.0, 5636.0, 5329.0, 5569.0, 5357.0, 5263.0, 5700.0, 5462.0, 5349.0, 5327.0, 5707.0, 5348.0, 5270.0, 5432.0, 5714.0, 5388.0, 5570.0, 5410.0, 5256.0, 5319.0, 5441.0, 5448.0, 5358.0, 5374.0, 5629.0, 5504.0, 5688.0, 5547.0, 5674.0, 5670.0, 5554.0, 5559.0, 5494.0, 5458.0, 5291.0, 5274.0, 5251.0, 5545.0, 5656.0, 5399.0, 5395.0, 5701.0, 5318.0, 5677.0, 5647.0, 5333.0, 5390.0, 5485.0, 5609.0, 5480.0, 5703.0, 5612.0, 5630.0, 5497.0, 5695.0 (number of hits: 10)
19	5250	9	1	333	1	5417.0, 5423.0, 5404.0, 5720.0, 5357.0, 5524.0, 5469.0, 5644.0, 5620.0, 5592.0, 5619.0, 5326.0, 5675.0, 5255.0, 5443.0, 5534.0, 5292.0, 5659.0, 5410.0, 5382.0, 5563.0, 5260.0, 5263.0, 5497.0, 5482.0, 5385.0, 5388.0, 5287.0, 5460.0, 5275.0, 5405.0, 5672.0, 5574.0, 5466.0, 5609.0, 5258.0, 5394.0, 5406.0, 5297.0, 5434.0, 5318.0, 5432.0, 5327.0, 5561.0, 5661.0, 5444.0, 5276.0, 5335.0, 5424.0, 5484.0, 5512.0, 5666.0, 5349.0, 5427.0, 5573.0, 5543.0, 5317.0, 5426.0, 5450.0, 5280.0, 5375.0, 5345.0, 5302.0, 5719.0, 5583.0, 5706.0, 5361.0, 5621.0, 5470.0, 5669.0, 5421.0, 5348.0, 5419.0, 5256.0, 5575.0, 5677.0, 5654.0, 5703.0, 5673.0, 5353.0, 5401.0, 5442.0, 5715.0, 5268.0, 5333.0, 5358.0, 5625.0, 5507.0, 5314.0, 5590.0, 5708.0, 5585.0, 5346.0, 5514.0, 5393.0, 5525.0, 5653.0, 5476.0, 5343.0, 5650.0 (number of hits: 10)
20	5250	9	1	333	1	5615.0, 5362.0, 5417.0, 5565.0, 5416.0, 5390.0, 5687.0, 5452.0, 5636.0, 5448.0, 5676.0, 5418.0, 5304.0, 5684.0, 5520.0, 5303.0, 5475.0, 5649.0, 5620.0, 5613.0, 5424.0, 5302.0, 5398.0, 5296.0, 5707.0, 5544.0, 5397.0, 5645.0, 5347.0, 5663.0, 5510.0, 5411.0, 5270.0, 5385.0, 5437.0, 5550.0, 5534.0, 5353.0, 5367.0, 5311.0,

						5262.0, 5581.0, 5403.0, 5402.0, 5327.0, 5571.0, 5290.0, 5499.0, 5616.0, 5540.0, 5509.0, 5331.0, 5459.0, 5328.0, 5315.0, 5295.0, 5407.0, 5434.0, 5638.0, 5652.0, 5661.0, 5297.0, 5263.0, 5626.0, 5250.0, 5521.0, 5305.0, 5410.0, 5519.0, 5500.0, 5309.0, 5720.0, 5359.0, 5563.0, 5560.0, 5439.0, 5313.0, 5651.0, 5704.0, 5628.0, 5281.0, 5348.0, 5655.0, 5252.0, 5589.0, 5594.0, 5364.0, 5253.0, 5293.0, 5326.0, 5606.0, 5710.0, 5256.0, 5474.0, 5440.0, 5379.0, 5354.0, 5455.0, 5268.0, 5555.0 (number of hits: 8)
21	5290	9	1	333	1	5486.0, 5646.0, 5532.0, 5330.0, 5638.0, 5398.0, 5321.0, 5344.0, 5681.0, 5480.0, 5500.0, 5285.0, 5425.0, 5306.0, 5337.0, 5639.0, 5354.0, 5387.0, 5420.0, 5477.0, 5721.0, 5654.0, 5311.0, 5633.0, 5257.0, 5252.0, 5687.0, 5379.0, 5332.0, 5326.0, 5473.0, 5396.0, 5472.0, 5359.0, 5588.0, 5496.0, 5458.0, 5485.0, 5346.0, 5657.0, 5667.0, 5436.0, 5569.0, 5295.0, 5572.0, 5501.0, 5447.0, 5582.0, 5511.0, 5682.0, 5319.0, 5441.0, 5415.0, 5531.0, 5412.0, 5527.0, 5621.0, 5300.0, 5521.0, 5525.0, 5583.0, 5323.0, 5372.0, 5393.0, 5355.0, 5399.0, 5650.0, 5568.0, 5720.0, 5388.0, 5546.0, 5290.0, 5272.0, 5430.0, 5628.0, 5562.0, 5535.0, 5575.0, 5403.0, 5318.0, 5442.0, 5339.0, 5431.0, 5578.0, 5518.0, 5259.0, 5317.0, 5362.0, 5334.0, 5512.0, 5552.0, 5465.0, 5690.0, 5613.0, 5438.0, 5277.0, 5348.0, 5467.0, 5350.0, 5550.0 (number of hits: 6)
22	5290	9	1	333	1	5507.0, 5640.0, 5255.0, 5531.0, 5465.0, 5555.0, 5302.0, 5573.0, 5461.0, 5369.0, 5274.0, 5339.0, 5565.0, 5444.0, 5346.0, 5684.0, 5251.0, 5420.0, 5348.0, 5268.0, 5443.0, 5680.0, 5498.0, 5454.0, 5364.0, 5366.0, 5587.0, 5278.0, 5286.0, 5363.0, 5504.0, 5620.0, 5308.0, 5421.0, 5484.0, 5682.0, 5582.0, 5267.0, 5298.0, 5325.0, 5291.0, 5269.0, 5275.0, 5349.0, 5683.0, 5356.0, 5571.0, 5509.0, 5294.0, 5441.0, 5405.0, 5639.0, 5423.0, 5690.0, 5702.0, 5625.0, 5380.0, 5715.0, 5343.0, 5456.0, 5660.0, 5652.0, 5566.0, 5516.0, 5665.0, 5663.0, 5536.0, 5434.0, 5406.0, 5557.0, 5387.0, 5487.0, 5280.0, 5333.0, 5299.0, 5525.0, 5301.0, 5662.0, 5409.0, 5315.0, 5452.0, 5534.0, 5550.0, 5529.0, 5288.0, 5344.0, 5593.0, 5586.0, 5627.0, 5449.0, 5323.0, 5391.0, 5470.0, 5493.0, 5279.0, 5372.0, 5595.0, 5488.0, 5606.0, 5723.0 (number of hits: 12)
23	5290	9	1	333	1	5545.0, 5604.0, 5514.0, 5567.0, 5527.0, 5611.0, 5376.0, 5383.0, 5615.0, 5345.0, 5655.0, 5342.0, 5265.0, 5334.0, 5716.0, 5708.0, 5720.0, 5613.0, 5487.0, 5711.0,

						5632.0, 5354.0, 5426.0, 5467.0, 5644.0, 5478.0, 5603.0, 5638.0, 5598.0, 5373.0, 5648.0, 5558.0, 5403.0, 5707.0, 5695.0, 5503.0, 5464.0, 5526.0, 5599.0, 5268.0, 5688.0, 5701.0, 5400.0, 5474.0, 5584.0, 5633.0, 5413.0, 5576.0, 5421.0, 5639.0, 5453.0, 5496.0, 5288.0, 5538.0, 5631.0, 5541.0, 5509.0, 5671.0, 5719.0, 5307.0, 5359.0, 5507.0, 5534.0, 5267.0, 5574.0, 5304.0, 5427.0, 5681.0, 5651.0, 5331.0, 5329.0, 5585.0, 5305.0, 5658.0, 5391.0, 5350.0, 5600.0, 5592.0, 5325.0, 5396.0, 5578.0, 5661.0, 5273.0, 5550.0, 5469.0, 5497.0, 5653.0, 5494.0, 5513.0, 5293.0, 5685.0, 5506.0, 5312.0, 5608.0, 5656.0, 5618.0, 5264.0, 5458.0, 5473.0, 5549.0 (number of hits: 6)
24	5290	9	1	333	1	5392.0, 5674.0, 5526.0, 5549.0, 5270.0, 5400.0, 5448.0, 5388.0, 5356.0, 5497.0, 5686.0, 5391.0, 5282.0, 5546.0, 5438.0, 5600.0, 5516.0, 5723.0, 5673.0, 5660.0, 5543.0, 5586.0, 5577.0, 5346.0, 5411.0, 5650.0, 5530.0, 5309.0, 5412.0, 5703.0, 5489.0, 5566.0, 5479.0, 5443.0, 5523.0, 5368.0, 5385.0, 5321.0, 5690.0, 5537.0, 5518.0, 5552.0, 5360.0, 5635.0, 5621.0, 5419.0, 5617.0, 5541.0, 5256.0, 5480.0, 5295.0, 5318.0, 5545.0, 5353.0, 5372.0, 5687.0, 5717.0, 5430.0, 5718.0, 5652.0, 5285.0, 5658.0, 5264.0, 5629.0, 5345.0, 5474.0, 5439.0, 5468.0, 5620.0, 5587.0, 5597.0, 5555.0, 5633.0, 5271.0, 5441.0, 5292.0, 5323.0, 5336.0, 5663.0, 5302.0, 5531.0, 5514.0, 5298.0, 5417.0, 5278.0, 5283.0, 5373.0, 5357.0, 5706.0, 5275.0, 5639.0, 5268.0, 5303.0, 5634.0, 5505.0, 5550.0, 5422.0, 5281.0, 5359.0, 5585.0 (number of hits: 11)
25	5290	9	1	333	1	5253.0, 5664.0, 5386.0, 5320.0, 5297.0, 5293.0, 5296.0, 5708.0, 5255.0, 5484.0, 5584.0, 5551.0, 5340.0, 5648.0, 5606.0, 5687.0, 5523.0, 5544.0, 5282.0, 5319.0, 5341.0, 5420.0, 5468.0, 5603.0, 5594.0, 5540.0, 5583.0, 5275.0, 5635.0, 5330.0, 5691.0, 5647.0, 5268.0, 5403.0, 5605.0, 5499.0, 5557.0, 5286.0, 5469.0, 5491.0, 5722.0, 5641.0, 5307.0, 5412.0, 5331.0, 5586.0, 5318.0, 5390.0, 5413.0, 5455.0, 5714.0, 5515.0, 5262.0, 5697.0, 5556.0, 5696.0, 5592.0, 5530.0, 5472.0, 5705.0, 5424.0, 5688.0, 5326.0, 5543.0, 5670.0, 5432.0, 5401.0, 5345.0, 5655.0, 5513.0, 5370.0, 5266.0, 5344.0, 5324.0, 5675.0, 5361.0, 5574.0, 5706.0, 5329.0, 5448.0, 5700.0, 5487.0, 5545.0, 5482.0, 5609.0, 5665.0, 5598.0, 5639.0, 5596.0, 5679.0, 5388.0, 5636.0, 5560.0, 5421.0, 5346.0, 5342.0, 5622.0, 5565.0, 5454.0, 5489.0 (number of hits: 8)

26	5290	9	1	333	1	5669.0, 5602.0, 5367.0, 5507.0, 5417.0, 5720.0, 5286.0, 5362.0, 5337.0, 5352.0, 5647.0, 5267.0, 5318.0, 5438.0, 5549.0, 5456.0, 5666.0, 5419.0, 5597.0, 5603.0, 5665.0, 5583.0, 5697.0, 5280.0, 5422.0, 5696.0, 5691.0, 5636.0, 5613.0, 5638.0, 5271.0, 5312.0, 5425.0, 5471.0, 5519.0, 5265.0, 5700.0, 5574.0, 5527.0, 5254.0, 5622.0, 5322.0, 5582.0, 5302.0, 5541.0, 5554.0, 5447.0, 5627.0, 5531.0, 5530.0, 5711.0, 5628.0, 5392.0, 5644.0, 5374.0, 5326.0, 5629.0, 5601.0, 5311.0, 5408.0, 5491.0, 5704.0, 5615.0, 5516.0, 5341.0, 5616.0, 5723.0, 5402.0, 5272.0, 5662.0, 5596.0, 5414.0, 5543.0, 5562.0, 5350.0, 5274.0, 5399.0, 5396.0, 5653.0, 5291.0, 5609.0, 5555.0, 5344.0, 5612.0, 5687.0, 5675.0, 5442.0, 5403.0, 5364.0, 5590.0, 5563.0, 5386.0, 5478.0, 5421.0, 5623.0, 5648.0, 5305.0, 5698.0, 5467.0, 5475.0 (number of hits: 8)
27	5290	9	1	333	1	5561.0, 5682.0, 5350.0, 5275.0, 5663.0, 5664.0, 5506.0, 5457.0, 5669.0, 5446.0, 5534.0, 5289.0, 5303.0, 5558.0, 5403.0, 5528.0, 5688.0, 5645.0, 5639.0, 5276.0, 5652.0, 5296.0, 5385.0, 5538.0, 5465.0, 5585.0, 5419.0, 5259.0, 5467.0, 5393.0, 5636.0, 5700.0, 5461.0, 5417.0, 5410.0, 5428.0, 5260.0, 5473.0, 5254.0, 5533.0, 5491.0, 5349.0, 5519.0, 5563.0, 5404.0, 5253.0, 5592.0, 5541.0, 5658.0, 5257.0, 5383.0, 5336.0, 5439.0, 5617.0, 5326.0, 5536.0, 5297.0, 5681.0, 5589.0, 5723.0, 5460.0, 5488.0, 5508.0, 5644.0, 5553.0, 5251.0, 5283.0, 5341.0, 5666.0, 5569.0, 5675.0, 5653.0, 5520.0, 5547.0, 5267.0, 5524.0, 5262.0, 5703.0, 5532.0, 5708.0, 5485.0, 5459.0, 5552.0, 5377.0, 5272.0, 5307.0, 5338.0, 5672.0, 5595.0, 5264.0, 5255.0, 5337.0, 5411.0, 5290.0, 5447.0, 5613.0, 5492.0, 5689.0, 5632.0, 5565.0 (number of hits: 14)
28	5290	9	1	333	1	5490.0, 5398.0, 5288.0, 5416.0, 5462.0, 5571.0, 5377.0, 5696.0, 5330.0, 5340.0, 5465.0, 5383.0, 5675.0, 5632.0, 5329.0, 5620.0, 5469.0, 5505.0, 5489.0, 5463.0, 5530.0, 5294.0, 5520.0, 5704.0, 5534.0, 5649.0, 5707.0, 5622.0, 5531.0, 5519.0, 5332.0, 5408.0, 5532.0, 5611.0, 5497.0, 5290.0, 5561.0, 5648.0, 5624.0, 5487.0, 5673.0, 5400.0, 5659.0, 5493.0, 5420.0, 5637.0, 5417.0, 5695.0, 5439.0, 5301.0, 5300.0, 5260.0, 5626.0, 5421.0, 5405.0, 5710.0, 5366.0, 5360.0, 5461.0, 5686.0, 5304.0, 5512.0, 5526.0, 5599.0, 5592.0, 5394.0, 5479.0, 5674.0, 5720.0, 5311.0, 5323.0, 5671.0, 5516.0, 5250.0, 5437.0, 5585.0, 5491.0, 5529.0, 5448.0, 5456.0, 5253.0, 5589.0, 5368.0, 5557.0, 5334.0,

						5640.0, 5414.0, 5665.0, 5668.0, 5564.0, 5364.0, 5475.0, 5540.0, 5283.0, 5619.0, 5682.0, 5700.0, 5410.0, 5558.0, 5535.0 (number of hits: 4)
29	5290	9	1	333	1	5662.0, 5592.0, 5432.0, 5701.0, 5469.0, 5689.0, 5478.0, 5396.0, 5558.0, 5263.0, 5462.0, 5371.0, 5442.0, 5349.0, 5495.0, 5458.0, 5525.0, 5522.0, 5326.0, 5446.0, 5425.0, 5602.0, 5663.0, 5470.0, 5575.0, 5541.0, 5535.0, 5614.0, 5445.0, 5374.0, 5696.0, 5467.0, 5675.0, 5483.0, 5526.0, 5449.0, 5705.0, 5598.0, 5273.0, 5644.0, 5385.0, 5301.0, 5569.0, 5370.0, 5562.0, 5360.0, 5600.0, 5492.0, 5679.0, 5460.0, 5538.0, 5537.0, 5255.0, 5262.0, 5529.0, 5557.0, 5488.0, 5559.0, 5354.0, 5336.0, 5334.0, 5375.0, 5504.0, 5316.0, 5722.0, 5381.0, 5421.0, 5580.0, 5269.0, 5372.0, 5420.0, 5624.0, 5281.0, 5253.0, 5683.0, 5451.0, 5531.0, 5399.0, 5622.0, 5296.0, 5674.0, 5546.0, 5328.0, 5595.0, 5609.0, 5395.0, 5447.0, 5322.0, 5357.0, 5251.0, 5669.0, 5636.0, 5693.0, 5363.0, 5656.0, 5359.0, 5615.0, 5507.0, 5412.0, 5380.0 (number of hits: 8)
30	5290	9	1	333	1	5283.0, 5267.0, 5551.0, 5594.0, 5431.0, 5655.0, 5427.0, 5281.0, 5566.0, 5617.0, 5465.0, 5629.0, 5332.0, 5690.0, 5611.0, 5340.0, 5303.0, 5386.0, 5458.0, 5571.0, 5509.0, 5562.0, 5681.0, 5324.0, 5600.0, 5595.0, 5542.0, 5565.0, 5480.0, 5659.0, 5603.0, 5433.0, 5292.0, 5660.0, 5541.0, 5496.0, 5719.0, 5330.0, 5650.0, 5498.0, 5399.0, 5529.0, 5526.0, 5648.0, 5639.0, 5296.0, 5395.0, 5443.0, 5538.0, 5398.0, 5448.0, 5421.0, 5397.0, 5470.0, 5626.0, 5577.0, 5407.0, 5518.0, 5370.0, 5282.0, 5257.0, 5482.0, 5625.0, 5392.0, 5312.0, 5702.0, 5322.0, 5271.0, 5687.0, 5490.0, 5293.0, 5314.0, 5404.0, 5575.0, 5636.0, 5360.0, 5387.0, 5671.0, 5570.0, 5587.0, 5700.0, 5535.0, 5333.0, 5459.0, 5506.0, 5564.0, 5697.0, 5685.0, 5597.0, 5457.0, 5276.0, 5422.0, 5255.0, 5511.0, 5375.0, 5321.0, 5361.0, 5716.0, 5598.0, 5491.0 (number of hits: 8)

5290 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	96.7 %	60%	Pass
Type 3	30	90.0 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	93.35 %	80%	Pass
Type 5	30	86.67 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5290 MHz, 80 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	95	1	558	1
2	5290	67	1	798	1
3	5290	59	1	898	1
4	5290	99	1	538	1
5	5290	89	1	598	1
6	5251	102	1	518	1
7	5251	62	1	858	1
8	5251	92	1	578	1
9	5251	81	1	658	1
10	5251	57	1	938	1
11	5329	76	1	698	1
12	5329	78	1	678	1
13	5329	65	1	818	1
14	5329	74	1	718	1
15	5329	83	1	638	1
16	5290	40	1	1339	1
17	5290	74	1	716	1
18	5290	29	1	1876	1
19	5290	25	1	2136	1
20	5290	49	1	1087	1
21	5251	20	1	2739	1
22	5251	89	1	594	1
23	5251	44	1	1203	1
24	5251	59	1	905	1
25	5251	25	1	2187	1
26	5329	18	1	2981	1
27	5329	75	1	709	1
28	5329	32	1	1654	1
29	5329	26	1	2062	1
30	5329	28	1	1909	1

Detection Percentage: 100 % (>60%)

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	28	2.5	161	1
2	5290	28	2.9	159	1
3	5290	26	2.5	221	1
4	5290	29	4.4	225	1
5	5290	24	2.9	193	1
6	5290	27	2.9	156	1
7	5290	24	3.5	183	1
8	5290	23	1.9	182	1
9	5290	24	1.6	155	1
10	5290	28	4.4	161	1
11	5251	27	3.5	164	1
12	5251	25	2.4	175	1
13	5251	29	3.4	206	0
14	5251	27	4.8	219	1
15	5251	27	5	220	1
16	5251	24	2.8	226	1
17	5251	25	2.7	177	1
18	5251	29	1	187	1
19	5251	28	1	157	1
20	5251	28	1.9	198	1
21	5329	29	3.2	189	1
22	5329	23	2.5	152	1
23	5329	25	1.6	181	1
24	5329	28	1.5	188	1
25	5329	25	1.7	217	1
26	5329	29	2.6	160	1
27	5329	25	3.4	193	1
28	5329	23	2.3	163	1
29	5329	26	3.4	169	1
30	5329	23	2.5	185	1
Detection Percentage: 96.7 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	18	7.1	234	1
2	5290	17	8.9	496	1
3	5290	16	8.2	230	1
4	5290	16	9	316	1
5	5290	16	6.6	479	1
6	5290	18	7	392	1
7	5290	17	6.5	210	1
8	5290	16	7.8	379	1
9	5290	17	8.7	479	1
10	5290	18	8.3	273	1
11	5251	17	7.7	232	0
12	5251	17	7	479	0
13	5251	17	6.4	444	1
14	5251	16	7.4	373	1
15	5251	16	7.7	381	1
16	5251	18	7.9	327	1
17	5251	17	8.4	343	1
18	5251	16	8.8	487	1
19	5251	17	9.7	208	1
20	5251	18	7.5	403	1
21	5329	17	9.9	244	1
22	5329	18	9.1	435	1
23	5329	16	6.6	252	1
24	5329	16	8.4	483	0
25	5329	17	6.3	302	1
26	5329	16	9.7	465	1
27	5329	16	7.8	327	1
28	5329	17	8.1	220	1
29	5329	18	9.8	434	1
30	5329	17	8.5	204	1
Detection Percentage: 90.0 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	13	20	488	0
2	5290	12	16.3	494	1
3	5290	12	17.3	468	1
4	5290	16	15.9	459	1
5	5290	14	11.4	465	1
6	5290	13	18.6	335	1
7	5290	12	15.6	341	1
8	5290	16	13.6	422	1
9	5290	13	18.9	300	1
10	5290	16	13.7	371	1
11	5251	14	13	370	1
12	5251	14	18.2	240	0
13	5251	12	17.4	430	1
14	5251	13	13	203	1
15	5251	14	18.5	271	1
16	5251	16	14.2	307	1
17	5251	16	15.5	302	1
18	5251	15	20	241	0
19	5251	16	13.1	262	1
20	5251	14	14.9	391	1
21	5329	13	15.7	359	1
22	5329	13	13.8	384	1
23	5329	12	12.3	291	1
24	5329	12	15.9	481	1
25	5329	16	16.8	280	1
26	5329	13	19	464	1
27	5329	14	16	261	1
28	5329	16	19.5	322	1
29	5329	16	19.4	459	1
30	5329	13	15.6	202	0
Detection Percentage: 86.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5290	1
2	5290	1
3	5290	0
4	5290	1
5	5290	1
6	5290	1
7	5290	1
8	5290	1
9	5290	1
10	5290	0
11	5254.9	1
12	5260.1	1
13	5256.9	1
14	5256.9	1
15	5256.5	1
16	5254.9	0
17	5256.1	0
18	5255.3	1
19	5256.5	1
20	5258.1	1
21	5324.7	1
22	5322.7	1
23	5320.3	1
24	5323.5	1
25	5321.5	1
26	5320.7	1
27	5322.7	1
28	5322.3	1
29	5322.3	1
30	5324.3	1
Detection Percentage: 86.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	69.3	1756	1506	0.574463	
1	2	9	66.6	1419		1.38848	
2	2	9	57.9	1504		1.95955	
3	2	9	87.1	1860		2.174803	
4	2	9	66.5	1407		3.322279	
5	3	9	51.3	1496	1269	3.682064	
6	2	9	54.9	1860		4.648235	
7	2	9	50.7	1357		5.414019	
8	3	9	82.8	1621	1598	5.666918	1
9	2	9	77.9	1280		6.405352	
10	2	9	76.6	1174		7.146973	
11	2	9	50.2	1863		8.373027	
12	1	9	94.2			8.594962	
13	2	9	66.9	1293		9.835728	
14	2	9	77.7	1915		10.365355	
15	2	9	67.3	1817		11.170792	
16	3	9	52.2	1161	1615	11.378623	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	98	1079	1413	0.467006	
1	3	15	77.6	1051	1554	1.167349	
2	3	15	53.4	1396	1416	1.651281	
3	2	15	70.2	1632		2.420468	
4	3	15	70.7	1796	1246	3.126727	
5	1	15	61.9			3.75708	
6	1	15	64.9			4.739547	
7	2	15	95.3	1020		5.055454	
8	2	15	51.6	1352		5.719631	1
9	1	15	91.8			6.942042	
10	2	15	84.1	1117		7.331665	
11	2	15	78.9	1496		8.35932	
12	1	15	61.5			8.867132	
13	1	15	92.8			9.618584	
14	2	15	94.4	1546		10.081832	
15	1	15	77			10.650797	
16	2	15	74.8	1454		11.859974	

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	5	50.5	1804	1508	1.307935	
1	3	5	94.6	1623	1865	1.466603	
2	2	5	56.8	1616		3.812448	
3	1	5	56.6			4.260039	
4	1	5	54			6.21467	0
5	1	5	92.2			7.483036	
6	2	5	62.9	1642		8.183707	
7	2	5	77.7	1769		9.669374	
8	2	5	92.3	1224		11.631116	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	52.4	1799		0.563043	
1	3	15	53	1155	1868	0.711515	
2	3	15	78.2	1541	1223	1.579281	
3	3	15	77.2	1875	1197	2.194403	
4	2	15	83.2	1238		2.965675	
5	2	15	81.9	1922		3.650705	
6	2	15	62.3	1765		4.538893	
7	2	15	66.6	1315		5.275665	
8	1	15	85.2			6.270742	1
9	2	15	66.9	1358		6.477629	
10	3	15	77.2	1614	1755	7.551872	
11	2	15	71	1876		8.432046	
12	3	15	67.3	1493	1725	8.65223	
13	1	15	80.2			9.515899	
14	1	15	63.8			10.054796	
15	2	15	98.6	1101		10.691677	
16	2	15	94.5	1057		11.372546	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	68.6	1478		0.273687	
1	3	7	86.9	1967	1299	0.794121	
2	1	7	73			1.866366	
3	3	7	81.5	1235	1536	2.337453	
4	2	7	73.5	1580		3.486357	
5	1	7	74.8			4.03115	
6	2	7	92.8	1182		4.862316	
7	2	7	89.3	1380		5.847097	
8	2	7	51.8	1671		6.566418	1
9	3	7	92.2	1456	1681	7.359794	
10	3	7	61	1842	1073	7.701416	
11	2	7	70.8	1539		8.712737	
12	2	7	74.1	1773		9.641033	
13	3	7	71.4	1067	1222	10.173907	
14	1	7	68.6			10.989865	
15	2	7	75.7	1646		11.66334	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	87.1	1370	1991	0.00799	
1	3	15	55.6	1300	1836	0.963218	
2	1	15	51.3			1.71418	
3	2	15	70.2	1489		2.493628	
4	1	15	68.7			2.554011	
5	1	15	68.3			3.510423	
6	2	15	65.5	1654		4.001886	
7	2	15	78.9	1156		4.833215	
8	3	15	85.8	1634	1032	5.098278	
9	1	15	78.6			6.010454	1
10	2	15	71.7	1438		6.716428	
11	2	15	74.6	1108		6.960315	
12	2	15	62.5	1411		7.596737	
13	1	15	93			8.586679	
14	1	15	83.4			9.313355	
15	1	15	90.5			9.755546	
16	1	15	61.8			10.419401	
17	3	15	54.6	1320	1329	11.101158	
18	2	15	53.8	1853		11.85504	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	52	1541		0.622866	
1	2	10	57.7	1618		0.905455	
2	3	10	50.2	1351	1648	1.329953	
3	1	10	56.2			2.069822	
4	2	10	98.8	1094		2.835797	
5	3	10	80.1	1277	1964	3.337674	
6	1	10	53.9			4.142055	
7	2	10	62.9	1560		4.452618	
8	3	10	50.9	1358	1009	5.274532	
9	2	10	68.1	1464		6.097581	1
10	3	10	69.8	1813	1637	6.824089	
11	2	10	84	1979		7.352014	
12	2	10	83.5	1033		7.86237	
13	3	10	73.3	1137	1082	8.355211	
14	3	10	95.5	1220	1740	8.945388	
15	1	10	95			9.599445	
16	2	10	98.2	1190		10.619031	
17	3	10	88.3	1737	1461	10.989761	
18	3	10	67.2	1583	1780	11.722145	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	92.1	1063	1038	0.625104	
1	1	12	62.2			1.334761	
2	2	12	66.3	1293		1.669394	
3	1	12	90.1			2.655009	
4	1	12	98.7			3.263954	
5	2	12	73.8	1587		4.39549	
6	1	12	86.1			4.759725	
7	1	12	80			5.799698	
8	2	12	84.6	1264		6.665231	1
9	2	12	57.2	1490		7.416777	
10	2	12	93.6	1329		7.831168	
11	2	12	59.5	1918		8.576545	
12	2	12	94.8	1087		9.034679	
13	1	12	60.5			10.20766	
14	3	12	50.5	1083	1843	10.959515	
15	1	12	90.1			11.326491	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	53.4	1255		0.110572	
1	2	8	70.8	1594		1.619708	
2	3	8	93.7	1245	1751	2.902899	
3	2	8	70.4	1382		3.387912	
4	2	8	58.2	1923		5.337343	
5	1	8	69.4			5.510215	1
6	1	8	72.5			7.155748	
7	3	8	82	1760	1799	8.268054	
8	1	8	61.6			8.979909	
9	2	8	81.3	1390		10.304179	
10	2	8	67.6	1347		11.866867	

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	61.7	1577		0.129968	
1	2	9	89.4	1580		1.160039	
2	1	9	79.9			2.691158	
3	1	9	63.1			3.442309	
4	2	9	71.1	1977		5.123034	
5	2	9	69.5	1086		6.155975	0
6	1	9	73.9			6.774435	
7	2	9	93.6	1498		7.961578	
8	2	9	94.8	1698		9.754804	
9	2	9	90.3	1989		10.218693	
10	1	9	85.5			11.176279	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	86.8	1938		0.823789	
1	1	6	57.4			1.390603	
2	2	6	99.3	1683		3.188224	
3	2	6	54.9	1021		3.794545	
4	3	6	88.9	1709	1155	4.663213	
5	2	6	60.6	1276		6.440342	1
6	2	6	51.4	1687		7.318019	
7	3	6	92	1412	1925	7.694413	
8	1	6	96.2			9.181682	
9	2	6	50.5	1504		10.2812	
10	2	6	59.5	1529		11.802596	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	65.5	1739		0.530958	
1	1	19	60.7			1.208231	
2	1	19	97.7			1.774972	
3	2	19	85.9	1274		2.435305	
4	3	19	86.6	1309	1468	3.221431	
5	2	19	69	1916		3.9065	
6	2	19	98.2	1702		4.377047	
7	2	19	82.7	1721		5.630289	
8	3	19	64.4	1850	1358	6.143622	1
9	1	19	57.6			6.438381	
10	1	19	84.6			7.732287	
11	2	19	84.5	1618		8.047579	
12	2	19	71.8	1142		8.665439	
13	2	19	67.2	1925		9.762895	
14	2	19	68.7	1436		9.993912	
15	1	19	65.7			10.693383	
16	2	19	51	1631		11.35573	

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	11	82.8	1218	1443	0.546336	
1	3	11	54.9	1378	1031	0.791123	
2	3	11	79.7	1193	1433	1.905576	
3	1	11	95.7			2.618522	
4	3	11	78.6	1588	1385	2.960469	
5	2	11	68.2	1471		3.897851	
6	2	11	71.5	1994		4.852812	
7	2	11	58.8	1888		5.158751	
8	2	11	94.7	1888		5.854926	1
9	2	11	91.7	1386		6.857732	
10	2	11	82.2	1318		7.505939	
11	2	11	77.4	1846		8.10668	
12	1	11	91.2			8.971242	
13	3	11	99.1	1993	1698	9.198067	
14	1	11	85.7			10.340311	
15	3	11	76.1	1965	1303	11.265523	
16	2	11	65.5	1681		11.633372	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	53.1	1768	1173	0.452374	
1	1	11	87.8			1.392814	
2	2	11	51	1522		1.434898	
3	2	11	56.8	1352		2.555797	
4	1	11	70.5			3.41223	
5	3	11	69.1	1749	1656	3.896803	
6	1	11	67.8			4.537546	
7	1	11	70.5			5.365394	
8	2	11	50.7	1169		6.10999	1
9	2	11	75.2	1990		6.486469	
10	2	11	68.3	1127		7.409549	
11	2	11	78.2	1604		7.938954	
12	3	11	71.1	1695	1487	8.496134	
13	3	11	93.8	1129	1177	9.316272	
14	1	11	74.2			9.962186	
15	2	11	83	1996		11.068833	
16	2	11	61.1	1179		11.777204	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	76	1714		0.554286	
1	1	10	66.7			1.355406	
2	2	10	61.1	1322		2.181957	
3	2	10	84	1986		3.748296	
4	1	10	95.6			4.575459	
5	3	10	84	1819	1256	6.092016	1
6	3	10	66.3	1708	1211	7.024947	
7	2	10	99.7	1834		7.750317	
8	3	10	87	1641	1789	9.065396	
9	1	10	51.7			10.582122	
10	2	10	60.4	1855		11.44386	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	96.7			0.129911	
1	2	6	91.2	1443		1.481447	
2	2	6	77.8	1211		2.914916	
3	2	6	92.4	1720		3.750066	
4	3	6	71.9	1678	1614	5.003871	0
5	2	6	74.3	1669		6.38201	
6	2	6	79	1313		8.054882	
7	2	6	54.8	1436		9.080192	
8	2	6	83	1679		9.92879	
9	1	6	57.6			11.198972	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	93.2	1687		0.257874	
1	2	9	59.9	1815		0.91488	
2	1	9	61.5			2.180625	
3	3	9	95.7	1130	1689	2.504694	
4	1	9	62.3			3.557733	
5	1	9	72.2			4.20478	
6	2	9	58.5	1746		5.204705	
7	1	9	97.3			6.176366	0
8	2	9	70.5	1990		6.703382	
9	1	9	63.8			7.206151	
10	2	9	59.5	1129		8.260893	
11	2	9	67.8	1478		9.153551	
12	1	9	75.1			9.822082	
13	3	9	89.5	1616	1180	10.592877	
14	1	9	83.2			11.397004	

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	7	96.2	1416	1045	0.942431	
1	2	7	57.2	1909		1.818723	
2	3	7	84.5	1891	1044	3.718077	
3	1	7	68.7			4.093059	
4	3	7	98.2	1619	1737	6.55801	1
5	3	7	67.6	1470	1320	7.860903	
6	1	7	72.9			9.304992	
7	2	7	51.1	1050		10.474838	
8	2	7	77.8	1164		11.58817	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	66.8	1213	1325	1.000938	
1	2	10	51.6	1888		1.631507	
2	2	10	82.6	1808		3.16304	
3	3	10	67.7	1210	1858	3.664415	
4	2	10	66.7	1501		5.359641	
5	3	10	88.8	1644	1186	6.891434	1
6	1	10	65.7			7.679249	
7	3	10	99.4	1757	1069	8.567846	
8	2	10	69.1	1825		10.069634	
9	2	10	76.3	1315		11.713152	

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	14	88.6			0.502304	
1	3	14	78.7	1934	1485	1.017543	
2	1	14	82.2			2.44899	
3	2	14	71.2	1375		3.11228	
4	1	14	58.4			4.715268	
5	1	14	94.4			5.906561	1
6	2	14	89.3	1662		6.751858	
7	2	14	93.2	1646		7.732962	
8	2	14	83.3	1053		8.24199	
9	2	14	81.7	1854		9.002902	
10	2	14	65.8	1499		10.538785	
11	3	14	81.5	1141	1622	11.384181	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	53.3	1729		0.251757	
1	2	7	80.2	1272		1.104851	
2	3	7	85.3	1984	1287	2.086607	
3	2	7	50.7	1937		2.120585	
4	2	7	52	1402		3.141867	
5	2	7	83.1	1641		4.116655	
6	2	7	64.3	1941		4.886861	
7	2	7	92.9	1197		5.245017	
8	2	7	67.7	1174		6.158047	1
9	2	7	56.6	1475		7.023732	
10	3	7	58.5	1993	1357	7.309275	
11	1	7	64.1			8.020695	
12	2	7	60	1436		9.131293	
13	1	7	84			9.639209	
14	2	7	72.8	1614		10.580072	
15	3	7	84.4	1447	1511	10.684157	
16	2	7	65.1	1042		11.492797	

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	12	74.1	1958	1638	0.111147	
1	1	12	72			1.67211	
2	1	12	93.6			2.137743	
3	3	12	76.9	1225	1102	2.736118	
4	2	12	51.9	1662		4.253576	
5	3	12	98.1	1769	1843	4.669327	
6	2	12	76.9	1611		5.809666	
7	1	12	80.7			6.372635	1
8	3	12	91.3	1594	1148	7.612368	
9	1	12	77.5			8.108648	
10	3	12	58	1387	1487	9.165997	
11	1	12	79.3			9.438684	
12	2	12	97.2	1075		10.68231	
13	3	12	71.2	1690	1396	11.152398	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	51	1447		0.369066	
1	2	18	86.2	1966		1.336072	
2	1	18	63.8			1.809813	
3	2	18	59.1	1568		2.295732	
4	2	18	98.7	1636		2.841619	
5	1	18	53			4.142503	
6	1	18	72.3			4.257967	
7	3	18	56.7	1920	1364	5.072437	
8	1	18	92.3			5.88573	1
9	1	18	70.8			6.602458	
10	1	18	86.6			7.317534	
11	2	18	74.7	1975		8.364493	
12	3	18	82.5	1268	1798	8.639464	
13	2	18	59.6	1702		9.837656	
14	2	18	86.1	1752		10.144607	
15	1	18	93.8			10.857833	
16	2	18	54.2	1878		11.566332	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	85.6	1637	1794	0.21746	
1	2	10	93.5	1610		0.789421	
2	2	10	59.8	1549		1.642954	
3	3	10	55.1	1957	1066	2.744395	
4	1	10	91.9			3.174407	
5	2	10	97.9	1182		4.170119	
6	3	10	98.3	1541	1802	4.700725	
7	1	10	63.1			5.08361	
8	2	10	83.3	1165		6.066304	1
9	1	10	74.5			6.359432	
10	1	10	77.2			7.173418	
11	1	10	99.7			7.945927	
12	3	10	72.6	1508	1891	9.129101	
13	1	10	88.8			9.763258	
14	2	10	58.9	1448		10.168614	
15	2	10	91.6	1742		10.971448	
16	3	10	58.9	1961	1639	11.433167	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	84.6	1658	1022	0.392635	
1	2	15	85.6	1606		1.107282	
2	2	15	78.6	1455		2.443218	
3	3	15	95.9	1552	1722	3.193183	
4	3	15	69.3	1815	1434	4.046752	
5	1	15	76.4			5.028751	
6	2	15	76.8	1122		5.399283	
7	3	15	74.6	1024	1649	6.043178	1
8	3	15	52.5	1094	1421	7.571134	
9	3	15	77.4	1738	1267	8.415472	
10	2	15	58.4	1742		9.244175	
11	3	15	60.3	1177	1860	10.191219	
12	2	15	89.9	1176		10.345124	
13	2	15	97.7	1645		11.774429	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	70.4	1269		0.742557	
1	2	17	71.7	1820		1.357168	
2	3	17	52	1058	1092	1.638401	
3	2	17	85.4	1038		2.941061	
4	2	17	88.4	1312		3.123358	
5	2	17	85.3	1437		3.99921	
6	2	17	81.3	1782		5.203174	
7	1	17	53.3			5.517362	
8	1	17	56.9			6.224016	1
9	2	17	75.3	1253		7.348432	
10	2	17	64.8	1117		7.937693	
11	3	17	51.9	1925	1451	8.635906	
12	3	17	99.4	1007	1204	9.242022	
13	2	17	99.5	1407		9.914832	
14	3	17	94.8	1239	1450	10.740651	
15	2	17	92	1559		11.883222	

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	12	85.2	1392		1.088156	
1	1	12	80.2			1.691058	
2	2	12	53.8	1058		3.874427	
3	3	12	50.5	1043	1083	5.133018	
4	1	12	72			5.637855	1
5	1	12	84.7			6.727611	
6	1	12	52			8.254789	
7	3	12	86.5	1838	1221	9.468469	
8	2	12	84.1	1026		11.27165	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	70.3			0.501911	
1	1	13	63.4			0.766078	
2	2	13	54.2	1345		1.55082	
3	2	13	66.3	1112		2.867256	
4	2	13	83.4	1247		3.52582	
5	2	13	83	1471		4.356647	
6	2	13	60.1	1094		4.889836	
7	3	13	59.5	1762	1287	5.357637	1
8	3	13	61.8	1217	1924	6.501162	
9	2	13	52	1288		7.26782	
10	2	13	92	1699		7.694834	
11	3	13	57.6	1277	1161	8.300425	
12	1	13	70.5			9.582582	
13	2	13	98.1	1485		10.231597	
14	2	13	60.6	1998		10.717134	
15	2	13	98.2	1626		11.609384	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	60.6	1588		0.885314	
1	2	13	65.7	1200		1.599896	
2	2	13	52.6	1171		2.076337	
3	2	13	74.6	1154		3.04472	
4	2	13	72.5	1360		4.883284	
5	2	13	54	1469		5.651798	1
6	3	13	55.2	1078	1947	6.343524	
7	3	13	92.2	1658	1748	7.899071	
8	3	13	72.4	1751	1926	8.730335	
9	1	13	63.1			9.621918	
10	1	13	71.3			10.115009	
11	1	13	62.8			11.448644	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	90.6	1098		0.272631	
1	2	8	99.8	1450		1.001688	
2	2	8	69.6	1805		1.618675	
3	2	8	50.2	1062		2.109966	
4	1	8	60.9			3.053498	
5	3	8	84.2	1628	1806	3.626888	
6	1	8	69.7			4.506578	
7	3	8	96.7	1496	1306	4.970996	
8	1	8	71.6			5.987758	
9	2	8	61.8	1548		6.304966	1
10	1	8	85.4			7.047588	
11	3	8	55.4	1119	1035	7.508858	
12	2	8	58.1	1093		8.417561	
13	2	8	90.8	1776		8.79318	
14	1	8	68.5			9.602492	
15	3	8	87.9	1440	1285	10.100239	
16	1	8	64.4			10.977907	
17	2	8	50.5	1974		11.795351	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5290	9	1	333	1	5380.0, 5705.0, 5547.0, 5638.0, 5560.0, 5661.0, 5481.0, 5282.0, 5285.0, 5689.0, 5345.0, 5445.0, 5392.0, 5262.0, 5656.0, 5444.0, 5310.0, 5396.0, 5454.0, 5490.0, 5370.0, 5624.0, 5415.0, 5491.0, 5391.0, 5402.0, 5667.0, 5718.0, 5297.0, 5714.0, 5407.0, 5685.0, 5602.0, 5477.0, 5708.0, 5361.0, 5676.0, 5293.0, 5688.0, 5597.0, 5608.0, 5686.0, 5614.0, 5600.0, 5255.0, 5467.0, 5289.0, 5500.0, 5412.0, 5574.0, 5529.0, 5443.0, 5321.0, 5383.0, 5546.0, 5287.0, 5450.0, 5340.0, 5504.0, 5430.0, 5253.0, 5636.0, 5301.0, 5328.0, 5439.0, 5643.0, 5414.0, 5558.0, 5360.0, 5647.0, 5318.0, 5423.0, 5305.0, 5258.0, 5681.0, 5603.0, 5525.0, 5374.0, 5451.0, 5542.0, 5543.0, 5311.0, 5532.0, 5483.0, 5526.0, 5699.0, 5509.0, 5295.0, 5408.0, 5691.0, 5522.0, 5420.0, 5306.0, 5480.0, 5566.0, 5618.0, 5401.0, 5431.0, 5722.0, 5406.0 (number of hits: 18)
2	5290	9	1	333	1	5381.0, 5680.0, 5684.0, 5342.0, 5561.0, 5414.0, 5718.0, 5356.0, 5455.0, 5332.0, 5559.0, 5387.0, 5398.0, 5570.0, 5271.0, 5283.0, 5278.0, 5601.0, 5334.0, 5516.0, 5396.0, 5265.0, 5573.0, 5450.0, 5707.0, 5469.0, 5282.0, 5532.0, 5537.0, 5373.0, 5474.0, 5477.0, 5709.0, 5358.0, 5370.0, 5294.0, 5348.0, 5538.0, 5252.0, 5600.0, 5610.0, 5579.0, 5317.0, 5586.0, 5715.0, 5296.0, 5639.0, 5441.0, 5375.0, 5512.0, 5557.0, 5693.0, 5331.0, 5491.0, 5675.0, 5584.0, 5521.0, 5454.0, 5298.0, 5670.0, 5497.0, 5443.0, 5566.0, 5363.0, 5483.0, 5609.0, 5510.0, 5710.0, 5402.0, 5648.0, 5277.0, 5556.0, 5630.0, 5576.0, 5582.0, 5301.0, 5281.0, 5254.0, 5291.0, 5640.0, 5272.0, 5349.0, 5695.0, 5686.0, 5711.0, 5629.0, 5420.0, 5302.0, 5646.0, 5501.0, 5270.0, 5549.0, 5615.0, 5399.0, 5531.0, 5295.0, 5259.0, 5378.0, 5311.0, 5366.0 (number of hits: 21)
3	5290	9	1	333	1	5351.0, 5631.0, 5361.0, 5599.0, 5663.0, 5578.0, 5565.0, 5670.0, 5695.0, 5617.0, 5722.0, 5434.0, 5643.0, 5284.0, 5512.0, 5263.0, 5668.0, 5575.0, 5543.0, 5330.0, 5706.0, 5408.0, 5705.0, 5556.0, 5398.0, 5542.0, 5689.0, 5656.0, 5293.0, 5468.0, 5405.0, 5614.0, 5484.0, 5684.0, 5636.0, 5314.0, 5497.0, 5553.0, 5357.0, 5554.0, 5394.0, 5298.0, 5567.0, 5374.0, 5536.0, 5598.0, 5623.0, 5413.0, 5344.0, 5477.0, 5566.0, 5444.0, 5519.0, 5496.0, 5561.0,

						5707.0, 5371.0, 5266.0, 5348.0, 5693.0, 5446.0, 5320.0, 5433.0, 5447.0, 5517.0, 5539.0, 5264.0, 5418.0, 5715.0, 5459.0, 5702.0, 5648.0, 5260.0, 5370.0, 5312.0, 5253.0, 5509.0, 5528.0, 5588.0, 5627.0, 5669.0, 5511.0, 5574.0, 5639.0, 5302.0, 5315.0, 5585.0, 5650.0, 5672.0, 5564.0, 5261.0, 5587.0, 5674.0, 5683.0, 5558.0, 5498.0, 5658.0, 5310.0, 5488.0, 5576.0 (number of hits: 15)
4	5290	9	1	333	1	5350.0, 5622.0, 5376.0, 5617.0, 5379.0, 5645.0, 5674.0, 5516.0, 5290.0, 5562.0, 5348.0, 5507.0, 5590.0, 5381.0, 5621.0, 5659.0, 5343.0, 5419.0, 5481.0, 5717.0, 5539.0, 5589.0, 5641.0, 5415.0, 5660.0, 5501.0, 5337.0, 5295.0, 5308.0, 5635.0, 5400.0, 5321.0, 5488.0, 5255.0, 5374.0, 5266.0, 5251.0, 5665.0, 5451.0, 5338.0, 5279.0, 5584.0, 5588.0, 5469.0, 5331.0, 5647.0, 5564.0, 5459.0, 5366.0, 5709.0, 5275.0, 5587.0, 5353.0, 5705.0, 5591.0, 5543.0, 5439.0, 5598.0, 5656.0, 5667.0, 5491.0, 5537.0, 5495.0, 5253.0, 5551.0, 5357.0, 5596.0, 5424.0, 5318.0, 5378.0, 5422.0, 5274.0, 5440.0, 5708.0, 5294.0, 5447.0, 5714.0, 5720.0, 5438.0, 5555.0, 5383.0, 5657.0, 5254.0, 5535.0, 5687.0, 5445.0, 5395.0, 5394.0, 5389.0, 5510.0, 5512.0, 5270.0, 5317.0, 5398.0, 5567.0, 5581.0, 5509.0, 5675.0, 5267.0, 5384.0 (number of hits: 16)
5	5290	9	1	333	1	5268.0, 5519.0, 5392.0, 5412.0, 5299.0, 5314.0, 5416.0, 5649.0, 5510.0, 5655.0, 5471.0, 5376.0, 5498.0, 5501.0, 5568.0, 5487.0, 5594.0, 5566.0, 5391.0, 5497.0, 5386.0, 5440.0, 5700.0, 5346.0, 5505.0, 5361.0, 5350.0, 5633.0, 5613.0, 5523.0, 5667.0, 5453.0, 5261.0, 5356.0, 5460.0, 5404.0, 5711.0, 5342.0, 5481.0, 5645.0, 5596.0, 5442.0, 5542.0, 5444.0, 5620.0, 5320.0, 5640.0, 5680.0, 5491.0, 5567.0, 5670.0, 5507.0, 5325.0, 5494.0, 5545.0, 5723.0, 5513.0, 5382.0, 5652.0, 5691.0, 5301.0, 5598.0, 5438.0, 5343.0, 5644.0, 5518.0, 5355.0, 5643.0, 5272.0, 5424.0, 5486.0, 5252.0, 5561.0, 5483.0, 5433.0, 5337.0, 5265.0, 5599.0, 5384.0, 5367.0, 5590.0, 5464.0, 5390.0, 5621.0, 5470.0, 5472.0, 5298.0, 5637.0, 5528.0, 5467.0, 5425.0, 5370.0, 5664.0, 5454.0, 5264.0, 5641.0, 5617.0, 5430.0, 5520.0, 5536.0 (number of hits: 12)
6	5290	9	1	333	1	5547.0, 5504.0, 5306.0, 5551.0, 5714.0, 5380.0, 5607.0, 5541.0, 5280.0, 5403.0, 5591.0, 5499.0, 5590.0, 5286.0, 5511.0, 5303.0, 5427.0, 5522.0, 5645.0, 5424.0, 5586.0, 5713.0, 5333.0, 5694.0, 5529.0, 5695.0, 5679.0, 5506.0, 5426.0, 5620.0, 5407.0, 5704.0, 5672.0, 5689.0, 5617.0,

						5441.0, 5460.0, 5446.0, 5509.0, 5316.0, 5473.0, 5675.0, 5324.0, 5635.0, 5339.0, 5278.0, 5388.0, 5363.0, 5469.0, 5702.0, 5293.0, 5298.0, 5250.0, 5344.0, 5490.0, 5618.0, 5668.0, 5463.0, 5491.0, 5289.0, 5700.0, 5611.0, 5343.0, 5412.0, 5368.0, 5389.0, 5542.0, 5438.0, 5401.0, 5301.0, 5670.0, 5455.0, 5621.0, 5647.0, 5263.0, 5305.0, 5253.0, 5718.0, 5257.0, 5356.0, 5716.0, 5456.0, 5619.0, 5616.0, 5437.0, 5382.0, 5384.0, 5458.0, 5376.0, 5643.0, 5387.0, 5271.0, 5272.0, 5315.0, 5474.0, 5314.0, 5514.0, 5630.0, 5447.0, 5321.0 (number of hits: 20)
7	5290	9	1	333	1	5507.0, 5724.0, 5468.0, 5320.0, 5293.0, 5621.0, 5474.0, 5499.0, 5596.0, 5590.0, 5660.0, 5443.0, 5298.0, 5489.0, 5333.0, 5492.0, 5599.0, 5696.0, 5415.0, 5370.0, 5680.0, 5366.0, 5532.0, 5478.0, 5575.0, 5477.0, 5475.0, 5461.0, 5278.0, 5269.0, 5645.0, 5434.0, 5408.0, 5638.0, 5427.0, 5368.0, 5698.0, 5267.0, 5496.0, 5341.0, 5646.0, 5713.0, 5480.0, 5252.0, 5396.0, 5432.0, 5629.0, 5534.0, 5650.0, 5604.0, 5321.0, 5525.0, 5529.0, 5494.0, 5673.0, 5352.0, 5450.0, 5312.0, 5577.0, 5351.0, 5670.0, 5589.0, 5526.0, 5588.0, 5363.0, 5718.0, 5365.0, 5656.0, 5328.0, 5307.0, 5380.0, 5699.0, 5308.0, 5338.0, 5685.0, 5516.0, 5540.0, 5362.0, 5301.0, 5661.0, 5566.0, 5506.0, 5703.0, 5716.0, 5491.0, 5390.0, 5593.0, 5681.0, 5395.0, 5377.0, 5533.0, 5666.0, 5419.0, 5431.0, 5549.0, 5429.0, 5652.0, 5642.0, 5465.0, 5322.0 (number of hits: 13)
8	5290	9	1	333	1	5255.0, 5250.0, 5607.0, 5310.0, 5287.0, 5413.0, 5644.0, 5496.0, 5556.0, 5408.0, 5622.0, 5669.0, 5489.0, 5623.0, 5537.0, 5494.0, 5304.0, 5612.0, 5692.0, 5406.0, 5533.0, 5693.0, 5409.0, 5700.0, 5529.0, 5278.0, 5640.0, 5546.0, 5706.0, 5631.0, 5613.0, 5253.0, 5619.0, 5291.0, 5252.0, 5604.0, 5422.0, 5276.0, 5274.0, 5584.0, 5580.0, 5457.0, 5476.0, 5649.0, 5522.0, 5621.0, 5433.0, 5629.0, 5639.0, 5441.0, 5660.0, 5414.0, 5262.0, 5258.0, 5490.0, 5399.0, 5688.0, 5470.0, 5340.0, 5667.0, 5411.0, 5499.0, 5296.0, 5452.0, 5562.0, 5600.0, 5565.0, 5492.0, 5376.0, 5353.0, 5361.0, 5557.0, 5645.0, 5474.0, 5352.0, 5628.0, 5710.0, 5647.0, 5295.0, 5636.0, 5542.0, 5271.0, 5516.0, 5596.0, 5586.0, 5461.0, 5467.0, 5648.0, 5675.0, 5678.0, 5323.0, 5707.0, 5394.0, 5327.0, 5445.0, 5715.0, 5668.0, 5379.0, 5609.0, 5315.0 (number of hits: 18)
9	5290	9	1	333	1	5362.0, 5375.0, 5396.0, 5601.0, 5521.0, 5618.0, 5710.0, 5259.0, 5538.0, 5374.0, 5696.0, 5559.0, 5708.0, 5487.0, 5672.0,

						5667.0, 5546.0, 5610.0, 5402.0, 5586.0, 5500.0, 5550.0, 5561.0, 5508.0, 5450.0, 5594.0, 5400.0, 5382.0, 5636.0, 5323.0, 5406.0, 5465.0, 5562.0, 5656.0, 5378.0, 5269.0, 5591.0, 5429.0, 5629.0, 5536.0, 5648.0, 5596.0, 5658.0, 5617.0, 5544.0, 5542.0, 5649.0, 5588.0, 5458.0, 5626.0, 5469.0, 5379.0, 5288.0, 5410.0, 5553.0, 5679.0, 5494.0, 5616.0, 5517.0, 5595.0, 5442.0, 5548.0, 5369.0, 5415.0, 5556.0, 5306.0, 5366.0, 5301.0, 5279.0, 5326.0, 5482.0, 5299.0, 5363.0, 5277.0, 5613.0, 5515.0, 5615.0, 5543.0, 5292.0, 5642.0, 5532.0, 5266.0, 5373.0, 5492.0, 5380.0, 5428.0, 5698.0, 5701.0, 5444.0, 5260.0, 5715.0, 5564.0, 5253.0, 5385.0, 5294.0, 5368.0, 5328.0, 5518.0, 5560.0, 5433.0 (number of hits: 15)
10	5290	9	1	333	1	5705.0, 5387.0, 5352.0, 5490.0, 5553.0, 5472.0, 5465.0, 5447.0, 5283.0, 5601.0, 5341.0, 5456.0, 5572.0, 5310.0, 5404.0, 5303.0, 5484.0, 5461.0, 5659.0, 5340.0, 5579.0, 5316.0, 5720.0, 5614.0, 5298.0, 5370.0, 5458.0, 5279.0, 5417.0, 5334.0, 5451.0, 5328.0, 5686.0, 5402.0, 5702.0, 5281.0, 5396.0, 5448.0, 5517.0, 5700.0, 5692.0, 5430.0, 5487.0, 5280.0, 5296.0, 5344.0, 5464.0, 5351.0, 5327.0, 5543.0, 5501.0, 5333.0, 5600.0, 5556.0, 5274.0, 5711.0, 5342.0, 5625.0, 5435.0, 5559.0, 5718.0, 5462.0, 5560.0, 5325.0, 5566.0, 5631.0, 5457.0, 5418.0, 5596.0, 5687.0, 5514.0, 5354.0, 5662.0, 5724.0, 5329.0, 5645.0, 5293.0, 5445.0, 5285.0, 5363.0, 5477.0, 5300.0, 5330.0, 5499.0, 5437.0, 5513.0, 5349.0, 5256.0, 5413.0, 5646.0, 5254.0, 5639.0, 5273.0, 5250.0, 5452.0, 5638.0, 5719.0, 5642.0, 5358.0, 5259.0 (number of hits: 19)
11	5252	9	1	333	1	5551.0, 5589.0, 5299.0, 5535.0, 5564.0, 5506.0, 5262.0, 5315.0, 5397.0, 5491.0, 5478.0, 5671.0, 5338.0, 5406.0, 5612.0, 5610.0, 5557.0, 5683.0, 5623.0, 5637.0, 5466.0, 5524.0, 5419.0, 5363.0, 5516.0, 5500.0, 5486.0, 5580.0, 5265.0, 5405.0, 5277.0, 5530.0, 5680.0, 5525.0, 5261.0, 5286.0, 5476.0, 5267.0, 5297.0, 5583.0, 5531.0, 5697.0, 5377.0, 5704.0, 5451.0, 5659.0, 5421.0, 5302.0, 5484.0, 5658.0, 5628.0, 5337.0, 5639.0, 5495.0, 5357.0, 5434.0, 5716.0, 5284.0, 5291.0, 5376.0, 5464.0, 5276.0, 5482.0, 5505.0, 5617.0, 5669.0, 5442.0, 5592.0, 5591.0, 5559.0, 5383.0, 5701.0, 5504.0, 5372.0, 5642.0, 5629.0, 5289.0, 5308.0, 5665.0, 5688.0, 5368.0, 5522.0, 5571.0, 5471.0, 5295.0, 5689.0, 5258.0, 5489.0, 5403.0, 5675.0, 5650.0, 5661.0, 5272.0, 5459.0, 5517.0, 5396.0, 5313.0, 5303.0, 5493.0, 5288.0

						(number of hits: 12)
12	5252	9	1	333	1	5569.0, 5358.0, 5439.0, 5506.0, 5615.0, 5657.0, 5460.0, 5309.0, 5271.0, 5714.0, 5375.0, 5579.0, 5295.0, 5590.0, 5610.0, 5403.0, 5494.0, 5329.0, 5630.0, 5539.0, 5545.0, 5503.0, 5479.0, 5468.0, 5587.0, 5280.0, 5362.0, 5342.0, 5599.0, 5419.0, 5576.0, 5330.0, 5645.0, 5513.0, 5453.0, 5660.0, 5665.0, 5515.0, 5368.0, 5683.0, 5651.0, 5387.0, 5409.0, 5442.0, 5394.0, 5322.0, 5721.0, 5518.0, 5602.0, 5635.0, 5441.0, 5386.0, 5308.0, 5255.0, 5305.0, 5541.0, 5688.0, 5568.0, 5523.0, 5395.0, 5337.0, 5421.0, 5267.0, 5300.0, 5389.0, 5548.0, 5288.0, 5273.0, 5399.0, 5456.0, 5268.0, 5333.0, 5594.0, 5428.0, 5552.0, 5691.0, 5608.0, 5706.0, 5459.0, 5289.0, 5412.0, 5301.0, 5670.0, 5476.0, 5340.0, 5256.0, 5696.0, 5510.0, 5302.0, 5555.0, 5646.0, 5496.0, 5601.0, 5520.0, 5529.0, 5349.0, 5711.0, 5559.0, 5292.0, 5704.0
						(number of hits: 9)
13	5252	9	1	333	1	5251.0, 5349.0, 5451.0, 5524.0, 5653.0, 5530.0, 5362.0, 5606.0, 5674.0, 5668.0, 5607.0, 5407.0, 5393.0, 5459.0, 5704.0, 5494.0, 5428.0, 5710.0, 5378.0, 5687.0, 5529.0, 5697.0, 5333.0, 5477.0, 5569.0, 5702.0, 5648.0, 5424.0, 5557.0, 5460.0, 5418.0, 5596.0, 5646.0, 5534.0, 5602.0, 5388.0, 5450.0, 5632.0, 5453.0, 5598.0, 5548.0, 5312.0, 5348.0, 5293.0, 5456.0, 5597.0, 5724.0, 5307.0, 5590.0, 5339.0, 5376.0, 5328.0, 5299.0, 5723.0, 5326.0, 5346.0, 5432.0, 5321.0, 5533.0, 5555.0, 5521.0, 5433.0, 5692.0, 5352.0, 5341.0, 5517.0, 5539.0, 5274.0, 5515.0, 5417.0, 5558.0, 5427.0, 5688.0, 5370.0, 5547.0, 5404.0, 5406.0, 5300.0, 5633.0, 5679.0, 5297.0, 5622.0, 5675.0, 5545.0, 5525.0, 5366.0, 5528.0, 5671.0, 5698.0, 5498.0, 5443.0, 5356.0, 5398.0, 5483.0, 5587.0, 5461.0, 5496.0, 5550.0, 5505.0, 5592.0
						(number of hits: 2)
14	5252	9	1	333	1	5284.0, 5581.0, 5683.0, 5329.0, 5451.0, 5483.0, 5531.0, 5260.0, 5595.0, 5422.0, 5283.0, 5493.0, 5303.0, 5381.0, 5276.0, 5495.0, 5497.0, 5580.0, 5324.0, 5543.0, 5279.0, 5692.0, 5530.0, 5264.0, 5267.0, 5545.0, 5313.0, 5426.0, 5471.0, 5344.0, 5317.0, 5349.0, 5353.0, 5441.0, 5512.0, 5719.0, 5335.0, 5325.0, 5720.0, 5599.0, 5487.0, 5438.0, 5450.0, 5377.0, 5665.0, 5713.0, 5619.0, 5253.0, 5419.0, 5375.0, 5536.0, 5369.0, 5689.0, 5394.0, 5272.0, 5321.0, 5544.0, 5465.0, 5582.0, 5314.0, 5702.0, 5546.0, 5510.0, 5715.0, 5712.0, 5393.0, 5718.0, 5366.0, 5687.0, 5600.0, 5513.0, 5662.0, 5529.0, 5620.0, 5700.0, 5439.0, 5610.0, 5406.0, 5385.0, 5358.0,

						5633.0, 5549.0, 5494.0, 5343.0, 5294.0, 5434.0, 5339.0, 5414.0, 5449.0, 5639.0, 5420.0, 5415.0, 5611.0, 5391.0, 5673.0, 5428.0, 5263.0, 5517.0, 5632.0, 5351.0 (number of hits: 10)
15	5252	9	1	333	1	5677.0, 5701.0, 5590.0, 5333.0, 5439.0, 5353.0, 5638.0, 5482.0, 5414.0, 5264.0, 5566.0, 5338.0, 5531.0, 5265.0, 5405.0, 5284.0, 5456.0, 5364.0, 5377.0, 5603.0, 5466.0, 5535.0, 5251.0, 5493.0, 5330.0, 5633.0, 5544.0, 5365.0, 5594.0, 5564.0, 5320.0, 5707.0, 5379.0, 5570.0, 5652.0, 5487.0, 5679.0, 5306.0, 5571.0, 5374.0, 5327.0, 5447.0, 5262.0, 5299.0, 5675.0, 5302.0, 5691.0, 5617.0, 5616.0, 5568.0, 5674.0, 5461.0, 5530.0, 5625.0, 5639.0, 5720.0, 5692.0, 5481.0, 5496.0, 5345.0, 5627.0, 5688.0, 5540.0, 5624.0, 5408.0, 5723.0, 5661.0, 5322.0, 5384.0, 5702.0, 5651.0, 5352.0, 5254.0, 5501.0, 5648.0, 5542.0, 5667.0, 5305.0, 5311.0, 5260.0, 5676.0, 5529.0, 5321.0, 5672.0, 5489.0, 5440.0, 5589.0, 5665.0, 5646.0, 5556.0, 5293.0, 5699.0, 5393.0, 5512.0, 5658.0, 5717.0, 5282.0, 5446.0, 5597.0, 5312.0 (number of hits: 8)
16	5252	9	1	333	1	5413.0, 5707.0, 5690.0, 5670.0, 5281.0, 5386.0, 5340.0, 5257.0, 5263.0, 5612.0, 5393.0, 5356.0, 5570.0, 5481.0, 5688.0, 5590.0, 5453.0, 5685.0, 5360.0, 5447.0, 5315.0, 5644.0, 5603.0, 5335.0, 5682.0, 5302.0, 5283.0, 5708.0, 5608.0, 5572.0, 5507.0, 5398.0, 5348.0, 5649.0, 5295.0, 5565.0, 5401.0, 5502.0, 5589.0, 5529.0, 5519.0, 5442.0, 5559.0, 5332.0, 5666.0, 5607.0, 5373.0, 5703.0, 5634.0, 5350.0, 5700.0, 5654.0, 5438.0, 5498.0, 5253.0, 5646.0, 5550.0, 5339.0, 5578.0, 5345.0, 5567.0, 5548.0, 5294.0, 5561.0, 5676.0, 5577.0, 5558.0, 5269.0, 5560.0, 5384.0, 5526.0, 5640.0, 5553.0, 5290.0, 5267.0, 5528.0, 5597.0, 5448.0, 5667.0, 5433.0, 5655.0, 5660.0, 5289.0, 5596.0, 5588.0, 5455.0, 5299.0, 5291.0, 5710.0, 5713.0, 5475.0, 5322.0, 5595.0, 5617.0, 5364.0, 5656.0, 5493.0, 5434.0, 5325.0, 5415.0 (number of hits: 8)
17	5252	9	1	333	1	5256.0, 5416.0, 5389.0, 5618.0, 5600.0, 5599.0, 5458.0, 5447.0, 5650.0, 5319.0, 5402.0, 5609.0, 5378.0, 5284.0, 5412.0, 5335.0, 5343.0, 5301.0, 5322.0, 5584.0, 5438.0, 5638.0, 5710.0, 5287.0, 5719.0, 5255.0, 5649.0, 5624.0, 5527.0, 5408.0, 5589.0, 5413.0, 5295.0, 5306.0, 5374.0, 5694.0, 5695.0, 5273.0, 5546.0, 5605.0, 5429.0, 5433.0, 5722.0, 5644.0, 5308.0, 5377.0, 5498.0, 5595.0, 5327.0, 5536.0, 5652.0, 5422.0, 5353.0, 5523.0, 5682.0, 5542.0, 5450.0, 5445.0, 5376.0, 5708.0,

						5371.0, 5472.0, 5278.0, 5648.0, 5697.0, 5448.0, 5399.0, 5633.0, 5352.0, 5662.0, 5466.0, 5571.0, 5425.0, 5634.0, 5538.0, 5321.0, 5482.0, 5678.0, 5493.0, 5488.0, 5393.0, 5692.0, 5674.0, 5636.0, 5522.0, 5587.0, 5576.0, 5423.0, 5547.0, 5388.0, 5342.0, 5341.0, 5334.0, 5431.0, 5309.0, 5680.0, 5665.0, 5714.0, 5670.0, 5347.0 (number of hits: 6)
18	5252	9	1	333	1	5447.0, 5519.0, 5591.0, 5469.0, 5409.0, 5326.0, 5365.0, 5554.0, 5321.0, 5307.0, 5724.0, 5588.0, 5708.0, 5667.0, 5650.0, 5625.0, 5668.0, 5545.0, 5498.0, 5582.0, 5548.0, 5714.0, 5407.0, 5437.0, 5363.0, 5529.0, 5640.0, 5412.0, 5441.0, 5392.0, 5479.0, 5637.0, 5266.0, 5319.0, 5334.0, 5311.0, 5472.0, 5653.0, 5569.0, 5684.0, 5608.0, 5693.0, 5509.0, 5364.0, 5482.0, 5299.0, 5487.0, 5367.0, 5486.0, 5394.0, 5270.0, 5288.0, 5722.0, 5438.0, 5553.0, 5565.0, 5468.0, 5623.0, 5626.0, 5370.0, 5589.0, 5484.0, 5398.0, 5373.0, 5279.0, 5627.0, 5669.0, 5639.0, 5538.0, 5281.0, 5571.0, 5720.0, 5384.0, 5610.0, 5303.0, 5555.0, 5268.0, 5689.0, 5306.0, 5671.0, 5376.0, 5577.0, 5339.0, 5576.0, 5490.0, 5659.0, 5611.0, 5505.0, 5655.0, 5703.0, 5661.0, 5399.0, 5676.0, 5649.0, 5656.0, 5443.0, 5340.0, 5480.0, 5686.0, 5566.0 (number of hits: 6)
19	5252	9	1	333	1	5536.0, 5412.0, 5691.0, 5304.0, 5274.0, 5675.0, 5488.0, 5440.0, 5706.0, 5457.0, 5690.0, 5455.0, 5410.0, 5628.0, 5517.0, 5459.0, 5373.0, 5378.0, 5692.0, 5380.0, 5712.0, 5354.0, 5284.0, 5272.0, 5441.0, 5573.0, 5612.0, 5705.0, 5622.0, 5674.0, 5269.0, 5344.0, 5442.0, 5337.0, 5652.0, 5400.0, 5513.0, 5587.0, 5333.0, 5563.0, 5551.0, 5356.0, 5526.0, 5409.0, 5312.0, 5288.0, 5456.0, 5553.0, 5558.0, 5462.0, 5534.0, 5360.0, 5369.0, 5461.0, 5589.0, 5397.0, 5528.0, 5350.0, 5495.0, 5303.0, 5621.0, 5567.0, 5332.0, 5377.0, 5653.0, 5525.0, 5566.0, 5379.0, 5422.0, 5693.0, 5362.0, 5319.0, 5263.0, 5574.0, 5301.0, 5632.0, 5426.0, 5604.0, 5339.0, 5576.0, 5613.0, 5542.0, 5695.0, 5686.0, 5321.0, 5386.0, 5501.0, 5544.0, 5656.0, 5394.0, 5408.0, 5323.0, 5486.0, 5669.0, 5467.0, 5309.0, 5393.0, 5642.0, 5624.0, 5707.0 (number of hits: 6)
20	5252	9	1	333	1	5380.0, 5718.0, 5657.0, 5429.0, 5571.0, 5405.0, 5426.0, 5516.0, 5717.0, 5588.0, 5363.0, 5719.0, 5703.0, 5309.0, 5674.0, 5583.0, 5566.0, 5431.0, 5308.0, 5295.0, 5628.0, 5404.0, 5367.0, 5586.0, 5263.0, 5585.0, 5336.0, 5530.0, 5616.0, 5526.0, 5527.0, 5275.0, 5418.0, 5487.0, 5312.0, 5389.0, 5664.0, 5638.0, 5565.0, 5327.0,

						5403.0, 5541.0, 5612.0, 5534.0, 5630.0, 5399.0, 5579.0, 5656.0, 5514.0, 5528.0, 5673.0, 5365.0, 5556.0, 5707.0, 5621.0, 5649.0, 5632.0, 5452.0, 5687.0, 5553.0, 5291.0, 5614.0, 5292.0, 5348.0, 5602.0, 5370.0, 5577.0, 5503.0, 5608.0, 5281.0, 5540.0, 5288.0, 5342.0, 5377.0, 5620.0, 5366.0, 5462.0, 5512.0, 5552.0, 5644.0, 5274.0, 5715.0, 5663.0, 5658.0, 5477.0, 5358.0, 5603.0, 5278.0, 5392.0, 5617.0, 5591.0, 5273.0, 5376.0, 5390.0, 5332.0, 5409.0, 5361.0, 5548.0, 5643.0, 5284.0 (number of hits: 8)
21	5328	9	1	333	1	5345.0, 5513.0, 5613.0, 5644.0, 5523.0, 5348.0, 5372.0, 5546.0, 5326.0, 5716.0, 5620.0, 5657.0, 5414.0, 5616.0, 5703.0, 5251.0, 5664.0, 5409.0, 5336.0, 5385.0, 5285.0, 5707.0, 5262.0, 5563.0, 5383.0, 5722.0, 5676.0, 5424.0, 5686.0, 5330.0, 5548.0, 5400.0, 5256.0, 5440.0, 5425.0, 5648.0, 5450.0, 5724.0, 5694.0, 5410.0, 5451.0, 5406.0, 5637.0, 5516.0, 5375.0, 5267.0, 5332.0, 5582.0, 5304.0, 5600.0, 5636.0, 5342.0, 5329.0, 5574.0, 5489.0, 5321.0, 5710.0, 5684.0, 5493.0, 5311.0, 5522.0, 5323.0, 5610.0, 5477.0, 5377.0, 5266.0, 5264.0, 5560.0, 5317.0, 5364.0, 5656.0, 5411.0, 5635.0, 5355.0, 5456.0, 5532.0, 5318.0, 5510.0, 5508.0, 5614.0, 5612.0, 5417.0, 5340.0, 5390.0, 5300.0, 5599.0, 5711.0, 5669.0, 5461.0, 5416.0, 5604.0, 5453.0, 5283.0, 5308.0, 5359.0, 5658.0, 5396.0, 5428.0, 5422.0, 5386.0 (number of hits: 20)
22	5328	9	1	333	1	5457.0, 5293.0, 5258.0, 5384.0, 5478.0, 5462.0, 5260.0, 5508.0, 5433.0, 5633.0, 5365.0, 5392.0, 5434.0, 5374.0, 5592.0, 5587.0, 5717.0, 5588.0, 5667.0, 5334.0, 5493.0, 5623.0, 5324.0, 5654.0, 5673.0, 5610.0, 5264.0, 5267.0, 5381.0, 5312.0, 5279.0, 5657.0, 5285.0, 5358.0, 5574.0, 5501.0, 5331.0, 5460.0, 5339.0, 5520.0, 5442.0, 5580.0, 5427.0, 5650.0, 5661.0, 5368.0, 5304.0, 5276.0, 5355.0, 5400.0, 5718.0, 5697.0, 5548.0, 5313.0, 5602.0, 5471.0, 5681.0, 5270.0, 5390.0, 5281.0, 5412.0, 5299.0, 5375.0, 5585.0, 5251.0, 5444.0, 5632.0, 5330.0, 5361.0, 5500.0, 5315.0, 5540.0, 5420.0, 5672.0, 5349.0, 5380.0, 5511.0, 5290.0, 5353.0, 5410.0, 5422.0, 5496.0, 5306.0, 5542.0, 5689.0, 5693.0, 5421.0, 5601.0, 5308.0, 5454.0, 5352.0, 5557.0, 5528.0, 5408.0, 5507.0, 5346.0, 5628.0, 5606.0, 5597.0, 5702.0 (number of hits: 22)
23	5328	9	1	333	1	5524.0, 5609.0, 5478.0, 5516.0, 5375.0, 5628.0, 5469.0, 5287.0, 5279.0, 5572.0, 5362.0, 5265.0, 5703.0, 5584.0, 5352.0, 5301.0, 5434.0, 5455.0, 5389.0, 5522.0,

						5444.0, 5641.0, 5509.0, 5297.0, 5309.0, 5558.0, 5261.0, 5723.0, 5602.0, 5573.0, 5687.0, 5304.0, 5404.0, 5303.0, 5714.0, 5540.0, 5385.0, 5325.0, 5694.0, 5706.0, 5285.0, 5599.0, 5693.0, 5692.0, 5361.0, 5348.0, 5499.0, 5675.0, 5673.0, 5699.0, 5306.0, 5662.0, 5569.0, 5269.0, 5282.0, 5483.0, 5672.0, 5555.0, 5709.0, 5481.0, 5594.0, 5280.0, 5711.0, 5639.0, 5588.0, 5498.0, 5257.0, 5484.0, 5679.0, 5621.0, 5648.0, 5386.0, 5511.0, 5305.0, 5339.0, 5536.0, 5328.0, 5663.0, 5721.0, 5476.0, 5480.0, 5474.0, 5640.0, 5646.0, 5260.0, 5344.0, 5658.0, 5650.0, 5298.0, 5577.0, 5278.0, 5435.0, 5702.0, 5293.0, 5680.0, 5256.0, 5392.0, 5300.0, 5448.0, 5515.0 (number of hits: 18)
24	5328	9	1	333	1	5271.0, 5507.0, 5592.0, 5402.0, 5543.0, 5314.0, 5603.0, 5340.0, 5579.0, 5676.0, 5447.0, 5474.0, 5454.0, 5661.0, 5482.0, 5255.0, 5395.0, 5268.0, 5409.0, 5644.0, 5527.0, 5309.0, 5705.0, 5362.0, 5588.0, 5298.0, 5517.0, 5424.0, 5675.0, 5539.0, 5302.0, 5649.0, 5464.0, 5689.0, 5405.0, 5366.0, 5501.0, 5714.0, 5417.0, 5621.0, 5287.0, 5290.0, 5632.0, 5441.0, 5556.0, 5401.0, 5535.0, 5256.0, 5529.0, 5707.0, 5408.0, 5495.0, 5432.0, 5620.0, 5322.0, 5396.0, 5575.0, 5635.0, 5719.0, 5379.0, 5566.0, 5355.0, 5708.0, 5383.0, 5583.0, 5279.0, 5364.0, 5567.0, 5530.0, 5691.0, 5500.0, 5458.0, 5696.0, 5654.0, 5572.0, 5489.0, 5263.0, 5299.0, 5596.0, 5571.0, 5451.0, 5594.0, 5606.0, 5317.0, 5538.0, 5581.0, 5437.0, 5522.0, 5716.0, 5651.0, 5499.0, 5280.0, 5683.0, 5468.0, 5377.0, 5347.0, 5444.0, 5485.0, 5460.0, 5563.0 (number of hits: 13)
25	5328	9	1	333	1	5490.0, 5711.0, 5270.0, 5301.0, 5375.0, 5499.0, 5627.0, 5478.0, 5579.0, 5573.0, 5250.0, 5665.0, 5378.0, 5708.0, 5656.0, 5660.0, 5615.0, 5704.0, 5530.0, 5439.0, 5661.0, 5569.0, 5610.0, 5543.0, 5562.0, 5631.0, 5377.0, 5545.0, 5339.0, 5666.0, 5430.0, 5671.0, 5675.0, 5358.0, 5653.0, 5379.0, 5444.0, 5331.0, 5567.0, 5330.0, 5595.0, 5297.0, 5392.0, 5646.0, 5344.0, 5552.0, 5372.0, 5563.0, 5483.0, 5396.0, 5364.0, 5608.0, 5263.0, 5460.0, 5486.0, 5410.0, 5680.0, 5575.0, 5407.0, 5271.0, 5361.0, 5251.0, 5604.0, 5480.0, 5318.0, 5462.0, 5294.0, 5282.0, 5316.0, 5504.0, 5716.0, 5546.0, 5336.0, 5261.0, 5694.0, 5267.0, 5452.0, 5347.0, 5369.0, 5507.0, 5416.0, 5393.0, 5557.0, 5722.0, 5582.0, 5264.0, 5436.0, 5268.0, 5458.0, 5370.0, 5373.0, 5584.0, 5353.0, 5606.0, 5710.0, 5329.0, 5288.0, 5527.0, 5470.0, 5260.0 (number of hits: 16)

26	5328	9	1	333	1	5313.0, 5699.0, 5264.0, 5564.0, 5513.0, 5550.0, 5638.0, 5427.0, 5570.0, 5573.0, 5546.0, 5614.0, 5384.0, 5678.0, 5395.0, 5647.0, 5456.0, 5534.0, 5604.0, 5486.0, 5626.0, 5630.0, 5561.0, 5272.0, 5506.0, 5690.0, 5368.0, 5377.0, 5505.0, 5266.0, 5634.0, 5689.0, 5682.0, 5306.0, 5411.0, 5432.0, 5443.0, 5413.0, 5662.0, 5502.0, 5331.0, 5712.0, 5581.0, 5399.0, 5510.0, 5409.0, 5340.0, 5353.0, 5424.0, 5420.0, 5389.0, 5602.0, 5268.0, 5416.0, 5425.0, 5366.0, 5655.0, 5720.0, 5496.0, 5683.0, 5414.0, 5525.0, 5351.0, 5707.0, 5691.0, 5289.0, 5329.0, 5585.0, 5518.0, 5328.0, 5355.0, 5379.0, 5412.0, 5599.0, 5492.0, 5316.0, 5303.0, 5596.0, 5341.0, 5538.0, 5481.0, 5317.0, 5569.0, 5471.0, 5654.0, 5460.0, 5269.0, 5508.0, 5629.0, 5295.0, 5551.0, 5479.0, 5288.0, 5600.0, 5656.0, 5632.0, 5515.0, 5571.0, 5498.0, 5455.0 (number of hits: 14)
27	5328	9	1	333	1	5691.0, 5607.0, 5283.0, 5362.0, 5499.0, 5369.0, 5457.0, 5392.0, 5711.0, 5555.0, 5692.0, 5557.0, 5594.0, 5286.0, 5520.0, 5647.0, 5271.0, 5494.0, 5578.0, 5544.0, 5589.0, 5569.0, 5587.0, 5368.0, 5653.0, 5498.0, 5500.0, 5437.0, 5423.0, 5376.0, 5389.0, 5394.0, 5366.0, 5554.0, 5352.0, 5375.0, 5254.0, 5491.0, 5617.0, 5405.0, 5600.0, 5432.0, 5275.0, 5684.0, 5257.0, 5688.0, 5326.0, 5505.0, 5656.0, 5264.0, 5428.0, 5479.0, 5630.0, 5331.0, 5576.0, 5381.0, 5515.0, 5410.0, 5694.0, 5312.0, 5646.0, 5255.0, 5277.0, 5463.0, 5667.0, 5258.0, 5537.0, 5446.0, 5529.0, 5672.0, 5685.0, 5674.0, 5661.0, 5454.0, 5616.0, 5559.0, 5295.0, 5662.0, 5545.0, 5443.0, 5547.0, 5670.0, 5671.0, 5382.0, 5689.0, 5302.0, 5539.0, 5677.0, 5700.0, 5628.0, 5464.0, 5612.0, 5530.0, 5311.0, 5560.0, 5266.0, 5553.0, 5511.0, 5420.0, 5474.0 (number of hits: 8)
28	5328	9	1	333	1	5427.0, 5655.0, 5253.0, 5557.0, 5545.0, 5479.0, 5255.0, 5296.0, 5679.0, 5325.0, 5572.0, 5360.0, 5516.0, 5468.0, 5350.0, 5376.0, 5569.0, 5616.0, 5539.0, 5324.0, 5456.0, 5300.0, 5614.0, 5397.0, 5485.0, 5649.0, 5656.0, 5719.0, 5482.0, 5517.0, 5346.0, 5693.0, 5270.0, 5464.0, 5571.0, 5380.0, 5382.0, 5542.0, 5527.0, 5426.0, 5537.0, 5521.0, 5609.0, 5323.0, 5271.0, 5685.0, 5691.0, 5714.0, 5470.0, 5567.0, 5276.0, 5402.0, 5428.0, 5287.0, 5480.0, 5568.0, 5345.0, 5694.0, 5337.0, 5400.0, 5261.0, 5570.0, 5354.0, 5377.0, 5395.0, 5283.0, 5629.0, 5314.0, 5659.0, 5471.0, 5512.0, 5251.0, 5581.0, 5704.0, 5562.0, 5475.0, 5502.0, 5526.0, 5431.0, 5577.0, 5611.0, 5491.0, 5449.0, 5634.0, 5501.0,

						5578.0, 5281.0, 5463.0, 5254.0, 5493.0, 5552.0, 5558.0, 5667.0, 5686.0, 5438.0, 5588.0, 5267.0, 5326.0, 5421.0, 5524.0 (number of hits: 13)
29	5328	9	1	333	1	5271.0, 5440.0, 5375.0, 5562.0, 5260.0, 5302.0, 5528.0, 5483.0, 5327.0, 5345.0, 5391.0, 5358.0, 5466.0, 5394.0, 5593.0, 5503.0, 5315.0, 5712.0, 5400.0, 5542.0, 5395.0, 5512.0, 5718.0, 5580.0, 5299.0, 5316.0, 5493.0, 5540.0, 5657.0, 5598.0, 5328.0, 5354.0, 5491.0, 5446.0, 5478.0, 5341.0, 5539.0, 5599.0, 5276.0, 5502.0, 5350.0, 5472.0, 5270.0, 5384.0, 5487.0, 5652.0, 5307.0, 5543.0, 5300.0, 5572.0, 5278.0, 5482.0, 5462.0, 5326.0, 5420.0, 5414.0, 5429.0, 5470.0, 5308.0, 5347.0, 5294.0, 5622.0, 5283.0, 5288.0, 5636.0, 5290.0, 5407.0, 5511.0, 5690.0, 5473.0, 5538.0, 5252.0, 5686.0, 5582.0, 5607.0, 5583.0, 5646.0, 5486.0, 5363.0, 5571.0, 5717.0, 5525.0, 5508.0, 5497.0, 5518.0, 5589.0, 5530.0, 5537.0, 5253.0, 5480.0, 5291.0, 5301.0, 5685.0, 5331.0, 5428.0, 5406.0, 5344.0, 5390.0, 5586.0, 5332.0 (number of hits: 24)
30	5328	9	1	333	1	5331.0, 5443.0, 5332.0, 5444.0, 5593.0, 5433.0, 5537.0, 5479.0, 5664.0, 5262.0, 5259.0, 5358.0, 5406.0, 5532.0, 5656.0, 5350.0, 5403.0, 5625.0, 5377.0, 5467.0, 5586.0, 5605.0, 5361.0, 5638.0, 5432.0, 5513.0, 5708.0, 5509.0, 5584.0, 5360.0, 5272.0, 5529.0, 5436.0, 5299.0, 5707.0, 5421.0, 5449.0, 5271.0, 5348.0, 5457.0, 5624.0, 5614.0, 5393.0, 5385.0, 5487.0, 5574.0, 5324.0, 5281.0, 5599.0, 5612.0, 5616.0, 5637.0, 5717.0, 5342.0, 5620.0, 5623.0, 5405.0, 5484.0, 5655.0, 5294.0, 5575.0, 5386.0, 5296.0, 5609.0, 5514.0, 5459.0, 5567.0, 5303.0, 5632.0, 5250.0, 5453.0, 5591.0, 5542.0, 5429.0, 5515.0, 5437.0, 5692.0, 5552.0, 5536.0, 5670.0, 5590.0, 5344.0, 5307.0, 5516.0, 5371.0, 5705.0, 5702.0, 5355.0, 5577.0, 5456.0, 5554.0, 5711.0, 5398.0, 5633.0, 5367.0, 5551.0, 5431.0, 5499.0, 5659.0, 5504.0 (number of hits: 16)

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	80.0 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	90.85 %	80%	Pass
Type 5	30	86.7 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

Please refer to the following statistical tables:

5500 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5500	18	1	3066	1
2	5500	92	1	578	1
3	5500	78	1	678	1
4	5500	86	1	618	1
5	5500	63	1	838	1
6	5490	70	1	758	1
7	5490	59	1	898	1
8	5490	99	1	538	1
9	5490	76	1	698	1
10	5490	81	1	658	1
11	5510	89	1	598	1
12	5510	57	1	938	1
13	5510	67	1	798	1
14	5510	58	1	918	1
15	5510	83	1	638	1
16	5500	27	1	1968	1
17	5500	61	1	867	1
18	5500	22	1	2403	1
19	5500	95	1	556	1
20	5500	30	1	1794	1
21	5490	82	1	649	1
22	5490	24	1	2211	1
23	5490	26	1	2083	1
24	5490	21	1	2545	1
25	5490	58	1	911	1
26	5510	39	1	1381	1
27	5510	22	1	2486	1
28	5510	38	1	1409	1
29	5510	79	1	671	1
30	5510	45	1	1188	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	23	2.7	205	1
2	5500	28	4.5	181	1
3	5500	28	4.3	164	0
4	5500	26	4.4	192	1
5	5500	27	1.4	195	1
6	5500	24	1.9	167	1
7	5500	24	2.8	172	1
8	5500	26	2.1	153	1
9	5500	29	4	206	1
10	5500	25	2.7	223	1
11	5490	29	4.1	222	0
12	5490	28	1.1	198	1
13	5490	24	1	211	1
14	5490	29	1.2	180	1
15	5490	23	4.6	171	1
16	5490	26	1.5	229	1
17	5490	28	1	180	1
18	5490	29	4.3	180	1
19	5490	29	2.3	230	1
20	5490	24	1.7	165	1
21	5510	28	2.3	224	0
22	5510	23	1	219	1
23	5510	24	2.4	228	1
24	5510	23	3.2	157	1
25	5510	25	2.8	186	1
26	5510	25	2.4	223	1
27	5510	28	1.5	208	1
28	5510	28	2.1	203	1
29	5510	28	2.4	220	0
30	5510	24	3.4	203	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	16	7	348	1
2	5500	16	10	383	1
3	5500	17	6.1	400	1
4	5500	18	6.7	499	1
5	5500	16	8.7	426	1
6	5500	16	8.8	468	0
7	5500	17	9	297	1
8	5500	17	6	279	1
9	5500	17	6.8	285	1
10	5500	16	9.4	206	1
11	5490	18	6.6	451	1
12	5490	17	6.7	307	1
13	5490	16	6.1	397	0
14	5490	16	7	395	1
15	5490	18	8.5	339	0
16	5490	17	8.2	227	1
17	5490	18	9.7	402	1
18	5490	18	7.5	405	1
19	5490	17	10	279	1
20	5490	16	6.8	316	0
21	5510	16	7.9	491	1
22	5510	16	8.3	466	1
23	5510	17	7.6	230	1
24	5510	18	7.7	289	0
25	5510	17	9.9	320	1
26	5510	16	7.1	289	0
27	5510	18	9.6	415	1
28	5510	16	9.7	280	1
29	5510	16	9.6	410	1
30	5510	16	8.2	368	1
Detection Percentage: 80.0 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	12	12.9	418	1
2	5500	14	16.9	354	1
3	5500	13	19.9	255	1
4	5500	12	16.6	354	1
5	5500	16	11.6	307	1
6	5500	12	18.5	204	1
7	5500	14	12.2	329	1
8	5500	13	12.3	366	1
9	5500	13	11.8	280	1
10	5500	14	18.1	222	1
11	5490	13	16.7	432	1
12	5490	13	17.8	245	0
13	5490	12	17.2	349	1
14	5490	12	12.6	274	1
15	5490	14	19.4	279	1
16	5490	14	17.8	277	1
17	5490	16	14.9	471	1
18	5490	15	18.4	207	1
19	5490	14	12.8	429	1
20	5490	14	20	262	1
21	5510	12	13.7	458	1
22	5510	13	12	333	1
23	5510	15	13.7	250	1
24	5510	12	11.5	417	1
25	5510	13	12.1	470	1
26	5510	14	15.6	340	1
27	5510	12	19.5	379	1
28	5510	13	12	473	1
29	5510	14	18.7	440	1
30	5510	16	19	350	1
Detection Percentage: 96.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500	1
2	5500	0
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	5498.2	1
12	5497.4	1
13	5495.0	1
14	5496.6	0
15	5493.4	1
16	5493.8	1
17	5495.8	1
18	5496.6	1
19	5495.0	1
20	5498.2	1
21	5506.6	1
22	5505.4	1
23	5504.2	1
24	5505.4	1
25	5501.4	1
26	5505.0	1
27	5502.6	0
28	5506.2	0
29	5506.6	1
30	5505.4	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	99.4			0.089797	
1	2	10	68.1	1932		1.538044	
2	2	10	57.8	1770		2.358309	
3	1	10	90.6			2.821297	
4	2	10	70.9	1159		3.763728	
5	2	10	87.5	1308		4.084944	
6	3	10	68.9	1267	1603	5.36948	
7	3	10	70.9	1503	1673	6.010938	1
8	2	10	75.2	1892		6.906492	
9	2	10	72.3	1515		7.558059	
10	2	10	87.2	1805		8.768568	
11	2	10	88.7	1185		8.909355	
12	2	10	68.9	1699		9.700548	
13	2	10	58.3	1543		10.916547	
14	3	10	61.4	1035	1996	11.215479	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	85.6	1817	1449	0.727022	
1	1	14	51.3			2.466783	
2	2	14	50.1	1885		3.695144	
3	1	14	68.3			5.102608	
4	2	14	90.6	1765		5.907587	0
5	3	14	91.6	1095	1880	7.518165	
6	3	14	99.8	1110	1793	8.827611	
7	3	14	84.4	1400	1881	9.988994	
8	2	14	68	1328		11.231019	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	73	1347	1727	0.397727	
1	1	14	75.5			0.677334	
2	2	14	76.6	1802		1.455938	
3	2	14	85	1619		2.225932	
4	3	14	81.5	1279	1718	3.033725	
5	2	14	57.9	1152		3.823298	
6	3	14	51.1	1652	1228	4.385041	
7	3	14	86.4	1484	1093	5.155914	
8	1	14	96.4			5.369766	
9	2	14	67.7	1800		6.603334	1
10	2	14	60.7	1495		7.064094	
11	2	14	56.5	1824		7.43877	
12	2	14	96.1	1522		8.077812	
13	3	14	83.4	1978	1004	8.769266	
14	2	14	83.5	1781		9.515037	
15	3	14	72.1	1701	1551	10.097895	
16	3	14	78.4	1460	1400	10.794646	
17	2	14	74.2	1478		11.556849	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	99.9	1408		0.262792	
1	1	9	53.9			1.036149	
2	3	9	75.4	1280	1206	1.400623	
3	1	9	97.2			2.347184	
4	2	9	77.8	1469		2.538543	
5	1	9	66.8			3.670813	
6	2	9	93	1942		4.038217	
7	2	9	75.2	1505		4.87349	
8	2	9	99.9	1485		5.226772	
9	3	9	62.8	1147	1390	5.701176	1
10	3	9	77.5	1155	1663	6.384453	
11	3	9	90.7	1299	1432	7.196518	
12	3	9	73.6	1234	1492	7.815061	
13	3	9	89.1	1634	1746	8.297308	
14	1	9	53			9.082506	
15	2	9	67.8	1530		9.721067	
16	2	9	68	1318		10.286865	
17	2	9	70.1	1968		11.221196	
18	2	9	78	1790		11.977338	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	97.9	1078		0.165069	
1	2	9	98.1	1966		1.227721	
2	2	9	78.3	1706		1.794849	
3	3	9	99.7	1903	1117	2.299012	
4	1	9	81.4			2.715856	
5	2	9	96.8	1201		3.339381	
6	2	9	55.6	1446		4.040185	
7	1	9	75.7			4.757682	
8	2	9	95.7	1828		5.390024	
9	3	9	65.8	1192	1330	6.218261	1
10	3	9	78.5	1037	1824	6.877714	
11	2	9	98.8	1924		7.218878	
12	1	9	65.3			7.806383	
13	1	9	86			8.663847	
14	1	9	68			9.03977	
15	3	9	60.1	1064	1499	9.573914	
16	2	9	53	1702		10.682952	
17	2	9	64.9	1461		11.199003	
18	2	9	98.8	1066		11.43227	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	93.3			0.028016	
1	3	14	86.8	1553	1758	0.974823	
2	2	14	73.9	1207		1.992009	
3	1	14	73.8			3.124314	
4	2	14	94.8	1245		3.601683	
5	2	14	89.3	1120		4.231133	
6	2	14	58.8	1695		5.521334	
7	1	14	69.3			5.660565	1
8	2	14	94.8	1840		6.580152	
9	2	14	68.6	1402		7.914412	
10	1	14	55.9			8.369313	
11	2	14	74.3	1382		9.178712	
12	2	14	91.6	1479		10.030399	
13	3	14	96.7	1366	1562	11.143538	
14	1	14	64.4			11.272776	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	93.1			0.54105	
1	2	12	62.5	1803		1.232443	
2	2	12	65.6	1490		2.920127	
3	1	12	87.5			3.177294	
4	1	12	85.1			4.476738	
5	2	12	69	1049		5.664491	
6	2	12	98	1629		6.135926	1
7	2	12	95.1	1310		7.835105	
8	2	12	74.5	1875		8.772148	
9	3	12	53.9	1668	1391	9.983447	
10	3	12	62.6	1574	1660	10.547764	
11	2	12	80.6	1020		11.342014	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	65.8	1150	1317	0.15911	
1	3	7	87.9	1275	1534	0.719287	
2	1	7	98.6			1.424731	
3	2	7	50.1	1202		2.2181	
4	3	7	95	1204	1510	3.157012	
5	2	7	72.1	1380		3.829665	
6	2	7	54.9	1394		4.249451	
7	3	7	87	1090	1113	5.031876	
8	2	7	85	1201		5.961314	1
9	2	7	75.1	1235		6.744383	
10	1	7	73.8			7.204466	
11	3	7	75.1	1281	1525	8.395069	
12	2	7	61.7	1791		8.65713	
13	1	7	79.9			9.702007	
14	2	7	70	1801		10.484681	
15	3	7	69.5	1077	1764	11.075717	
16	3	7	72.1	1191	1982	11.379345	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	83.5	1675		0.574772	
1	3	8	73.7	1384	1375	0.795052	
2	2	8	86.5	1401		1.486792	
3	2	8	68.5	1394		2.685828	
4	2	8	58	1870		2.998303	
5	1	8	62.6			3.808183	
6	1	8	75.6			4.354663	
7	1	8	67.6			5.431418	
8	2	8	81	1838		5.98554	1
9	3	8	85.1	1474	1207	6.787441	
10	3	8	85.1	1032	1568	7.079282	
11	3	8	91.3	1949	1866	7.986972	
12	3	8	67.3	1625	1456	8.797408	
13	3	8	89.7	1235	1600	9.712035	
14	2	8	62.5	1059		10.089211	
15	2	8	64	1271		10.768702	
16	3	8	50.1	1053	1012	11.303187	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	60.8	1897		0.347398	
1	3	14	66.3	1487	1554	1.029267	
2	1	14	62.3			1.73742	
3	2	14	94.1	1465		2.140371	
4	2	14	55.9	1451		3.048108	
5	1	14	89.8			3.178871	
6	2	14	81.8	1885		4.05261	
7	2	14	91	1473		4.819701	
8	2	14	61	1174		5.470685	
9	3	14	98.8	1077	1278	5.735016	1
10	2	14	55	1276		6.431182	
11	2	14	60.9	1359		6.970118	
12	2	14	60.6	1028		8.012319	
13	3	14	59.4	1671	1944	8.330992	
14	2	14	72.5	1354		9.104177	
15	2	14	55	1848		9.940704	
16	3	14	61.5	1201	1431	10.144948	
17	1	14	64.9			11.108908	
18	2	14	66.2	1125		11.813843	

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	18	64.9			0.344995	
1	2	18	57	1773		1.297821	
2	1	18	75.6			2.071427	
3	3	18	69.6	1921	1481	2.552151	
4	3	18	65.6	1357	1859	3.570622	
5	1	18	68.9			4.366092	
6	2	18	78.9	1333		5.189521	
7	2	18	59.8	1182		5.84716	1
8	2	18	80.6	1069		6.711497	
9	1	18	52.3			7.127943	
10	3	18	61.5	1559	1746	8.221728	
11	2	18	89.2	1623		8.493424	
12	2	18	93.4	1791		9.591216	
13	3	18	76.7	1898	1804	9.844393	
14	2	18	80.8	1949		11.235994	
15	3	18	90.7	1195	1163	11.948951	

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	16	80.9	1239	1320	0.191242	
1	1	16	86.5			0.967615	
2	2	16	65.2	1766		1.352552	
3	1	16	99.4			2.455431	
4	2	16	74.5	1070		2.77714	
5	2	16	55.6	1459		3.492371	
6	3	16	90	1560	1040	3.862759	
7	2	16	89.5	1203		4.837014	
8	2	16	73	1586		5.1403	
9	2	16	79.8	1956		6.102935	1
10	1	16	76.5			6.473903	
11	2	16	81.9	1428		7.203869	
12	1	16	54			7.834085	
13	3	16	53.6	1011	1093	8.391937	
14	1	16	91.8			9.285059	
15	2	16	95	1708		10.038376	
16	3	16	74.2	1531	1613	10.324846	
17	2	16	71.6	1604		11.267619	
18	2	16	51.2	1306		11.671888	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	87.3			0.158299	
1	3	10	85	1280	1477	1.22307	
2	1	10	53.1			1.816551	
3	3	10	50.2	1442	1172	2.885916	
4	3	10	85.9	1756	1946	3.879488	
5	3	10	56.8	1481	1631	4.068008	
6	3	10	94.3	1670	1599	5.467276	
7	3	10	80.1	1497	1048	5.847651	1
8	1	10	97.4			7.012583	
9	2	10	91.1	1283		7.852319	
10	1	10	99.5			8.747291	
11	2	10	62.8	1186		9.401337	
12	3	10	86.3	1019	1465	9.901869	
13	2	10	60	1453		10.537758	
14	1	10	82.7			11.928187	

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	58.1	1755		0.456213	
1	1	14	58.6			2.525783	
2	2	14	62.2	1799		3.74576	
3	1	14	71.6			4.770871	0
4	2	14	61.6	1493		6.115251	
5	2	14	56.4	1896		8.451465	
6	1	14	63.9			9.35094	
7	3	14	74.5	1708	1389	11.262023	

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	80.6			0.616807	
1	2	6	89.8	1650		0.983698	
2	2	6	74.1	1681		1.968602	
3	2	6	99.5	1640		2.076444	
4	1	6	68.9			3.150566	
5	3	6	88.4	1209	1952	3.764311	
6	2	6	65.7	1438		4.358678	
7	2	6	76.7	1354		5.034831	
8	2	6	66.4	1768		5.793054	1
9	1	6	91.2			6.477073	
10	2	6	73.3	1256		6.803311	
11	3	6	55.1	1663	1824	7.335517	
12	2	6	77.5	1672		8.502153	
13	1	6	91.4			9.013581	
14	2	6	82.7	1864		9.38427	
15	2	6	78.7	1518		10.660727	
16	1	6	67.7			10.983957	
17	1	6	89.6			11.610164	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	90.6	1149	1126	0.104124	
1	3	7	81.9	1795	1824	0.781901	
2	1	7	80			1.823227	
3	3	7	61.2	1055	1903	2.208168	
4	3	7	50.3	1501	1147	2.675378	
5	1	7	89.4			3.44087	
6	2	7	85.2	1641		4.197503	
7	3	7	80	1315	1108	4.672027	
8	1	7	86.8			5.892971	1
9	3	7	91.6	1329	1476	6.17729	
10	3	7	76.8	1608	1448	7.283788	
11	2	7	99.3	1886		7.343757	
12	1	7	92.7			8.158163	
13	2	7	51.5	1974		9.323665	
14	3	7	75.8	1792	1749	9.461286	
15	2	7	65.5	1731		10.372633	
16	3	7	51.1	1984	1393	10.976298	
17	1	7	85.9			11.598772	

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	12	68.6	1492	1357	0.452773	
1	2	12	53.3	1353		1.111384	
2	2	12	66.7	1725		1.462513	
3	2	12	90.9	1632		2.407812	
4	3	12	65.8	1903	1154	2.630401	
5	2	12	55.6	1448		3.499165	
6	1	12	70.4			4.184655	
7	2	12	63.3	1502		4.7682	
8	3	12	53.3	1220	1468	5.272023	
9	3	12	51	1862	1605	5.731945	1
10	2	12	66.8	1510		6.715567	
11	1	12	97.8			7.316702	
12	1	12	98.6			7.936742	
13	2	12	96.8	1963		8.649222	
14	1	12	64.8			9.349093	
15	1	12	73.6			9.634664	
16	2	12	92.4	1326		10.403	
17	2	12	74.6	1832		11.312837	
18	2	12	81.7	1154		11.928332	

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	14	55.4	1730		0.097833	
1	2	14	68.5	1492		1.718545	
2	3	14	89.9	1247	1891	2.396246	
3	2	14	62.1	1601		2.864222	
4	3	14	60	1019	1910	3.706998	
5	1	14	65			4.784537	
6	3	14	51.3	1044	1390	6.387674	1
7	3	14	68.8	1671	1947	7.30284	
8	2	14	98.2	1885		7.876952	
9	1	14	52.6			9.006966	
10	2	14	79.7	1420		9.659834	
11	2	14	62.6	1122		10.195802	
12	3	14	58	1846	1690	11.952048	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	56.1	1659	1421	0.496227	
1	2	10	89.1	1959		1.814133	
2	3	10	57	1025	1206	2.4706	
3	2	10	73.3	1070		3.901036	
4	2	10	55.7	1410		5.207097	
5	2	10	99.3	1374		6.157508	1
6	2	10	70	1811		7.589059	
7	2	10	61.5	1311		8.140261	
8	1	10	72.5			9.213142	
9	3	10	95.2	1054	1794	10.362901	
10	3	10	84.3	1653	1966	11.268126	

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	18	80.9			0.658373	
1	2	18	99.7	1846		0.799397	
2	1	18	54.4			1.67261	
3	2	18	77.8	1775		2.591392	
4	2	18	88.2	1274		3.628695	
5	3	18	91.8	1524	1118	3.886173	
6	2	18	71.6	1683		4.690288	
7	1	18	82			5.531448	
8	3	18	80.6	1198	1905	6.447461	1
9	2	18	69	1561		7.021234	
10	2	18	73.5	1906		8.013096	
11	1	18	51.2			8.509504	
12	3	18	63.8	1579	1416	9.352518	
13	1	18	81.9			9.769446	
14	3	18	69.2	1810	1391	11.198073	
15	2	18	98.8	1325		11.813912	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	51.6	1215	1409	0.076219	
1	2	6	51.2	1804		1.092657	
2	1	6	71.5			1.661466	
3	2	6	51.3	1265		2.333439	
4	2	6	56.9	1592		2.943695	
5	2	6	89.7	1147		3.683658	
6	3	6	73.8	1553	1278	4.060398	
7	2	6	76.5	1779		5.039978	
8	3	6	75.4	1999	1937	5.79619	1
9	1	6	91.4			6.085963	
10	2	6	99.3	1689		7.05324	
11	3	6	96.6	1297	1267	7.550971	
12	2	6	84.1	1584		8.223941	
13	3	6	93.3	1657	1715	9.062292	
14	3	6	82	1253	1056	9.891251	
15	3	6	86.1	1835	1450	10.248897	
16	2	6	58.8	1722		10.881197	
17	2	6	84.7	1506		11.667477	

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	67.3	1760		0.863962	
1	1	9	79			1.575261	
2	2	9	70.8	1289		3.661375	
3	2	9	95	1973		5.030974	
4	3	9	80.1	1498	1503	5.461928	1
5	3	9	72.6	1762	1439	7.905742	
6	1	9	50.1			9.135626	
7	2	9	83.3	1495		10.076807	
8	2	9	61.5	1796		10.855863	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	79.6	1505		0.414267	
1	1	12	79.7			0.880113	
2	2	12	70	1909		2.186245	
3	1	12	60.9			2.618197	
4	3	12	81.3	1234	1171	3.661673	
5	2	12	58.8	1043		4.049617	
6	3	12	51.2	1247	1930	4.511847	
7	1	12	69.8			5.79104	1
8	3	12	62	1518	1163	6.165025	
9	2	12	63.5	1352		6.932801	
10	2	12	71.9	1698		7.772967	
11	1	12	74.8			8.549394	
12	2	12	71.2	1544		9.109038	
13	3	12	59.8	1776	1798	10.279235	
14	1	12	76.1			10.639452	
15	2	12	86.5	1357		11.421367	

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	9	53.7			0.513911	
1	2	9	62.3	1223		1.189382	
2	1	9	96.3			1.554782	
3	2	9	94.9	1057		1.907863	
4	2	9	96.4	1903		3.086822	
5	3	9	79.4	1809	1568	3.46571	
6	2	9	75	1647		4.163744	
7	1	9	94.8			4.551529	
8	2	9	52.4	1898		5.099672	
9	2	9	81.7	1940		6.253361	1
10	1	9	70.7			6.448244	
11	3	9	84.1	1477	1302	7.51249	
12	1	9	85.4			8.197717	
13	2	9	81.5	1135		8.243996	
14	2	9	62.6	1452		9.332685	
15	2	9	76.5	1924		9.866578	
16	3	9	65.7	1665	1247	10.328346	
17	3	9	93.8	1612	1079	10.918669	
18	1	9	70.6			11.407552	

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	19	74.4	1565	1243	0.646107	
1	2	19	94.9	1597		2.026423	
2	2	19	55	1890		2.99856	
3	3	19	86.1	1865	1455	3.615021	
4	2	19	96.2	1649		5.798403	
5	3	19	97.6	1897	1552	6.458627	1
6	2	19	52.2	1967		8.135286	
7	1	19	77.7			8.952817	
8	3	19	99.6	1961	1313	9.912771	
9	2	19	92.8	1085		11.248239	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	90.5	1816	1260	0.500115	
1	2	10	60	1609		1.983128	
2	3	10	72.4	1705	1828	3.894543	
3	3	10	76	1518	1915	4.276736	
4	2	10	84.5	1125		6.024382	1
5	2	10	75.7	1808		7.541814	
6	1	10	86.3			8.706297	
7	2	10	50.4	1307		10.378904	
8	1	10	62.1			11.247822	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	87.8	1857		0.090921	
1	2	16	91.4	1918		1.782989	
2	2	16	83.8	1003		2.014386	
3	2	16	51.9	1669		3.224123	
4	1	16	93.7			4.77527	
5	1	16	79.1			5.179267	
6	1	16	62.9			6.055906	0
7	2	16	98.3	1340		7.168539	
8	1	16	50.9			8.987938	
9	3	16	55.5	1847	1172	9.508139	
10	2	16	57.1	1877		10.757257	
11	2	16	80.8	1326		11.156845	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	64.8			0.235015	
1	3	7	69.5	1817	1244	1.509682	
2	2	7	58.1	1655		1.938238	
3	2	7	67.2	1022		2.899068	
4	2	7	75.3	1427		3.773059	
5	2	7	84.9	1521		4.296721	
6	2	7	90.2	1046		5.299858	
7	1	7	95.3			6.191885	0
8	2	7	92.5	1379		6.710176	
9	2	7	72.1	1994		7.858015	
10	1	7	73.9			8.649105	
11	1	7	66.1			9.04367	
12	2	7	84.2	1689		10.096415	
13	2	7	82.7	1229		10.668409	
14	3	7	96.6	1698	1021	11.719184	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	63.9			0.586763	
1	1	6	68.9			1.197373	
2	3	6	71.6	1944	1486	1.733659	
3	1	6	99.3			1.932823	
4	3	6	62.1	1289	1427	2.609279	
5	3	6	89.2	1709	1321	3.231634	
6	1	6	63.3			4.018555	
7	1	6	51.4			5.014425	
8	2	6	87.2	1312		5.415534	
9	3	6	58.4	1934	1191	5.94911	1
10	3	6	84	1556	1240	6.503012	
11	3	6	53	1480	1487	7.434604	
12	3	6	99.3	1036	1635	7.59013	
13	2	6	92.3	1865		8.703734	
14	2	6	61	1537		9.008633	
15	1	6	56.9			9.830233	
16	3	6	91.7	1770	1025	10.611441	
17	2	6	55.6	1014		10.7818	
18	2	6	63.7	1640		11.764308	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	87.3	1199	1067	0.381786	
1	3	9	67.8	1259	1218	1.166283	
2	2	9	85	1918		1.720212	
3	2	9	67.7	1776		2.8938	
4	1	9	62.5			3.672551	
5	3	9	69.4	1196	1060	4.602182	
6	2	9	65.9	1300		5.982818	
7	2	9	70	1685		6.53887	1
8	2	9	64.5	1338		7.280698	
9	3	9	93.7	1545	1093	8.446903	
10	2	9	68.9	1272		8.940344	
11	2	9	75.2	1584		10.141255	
12	1	9	86.8			10.786509	
13	1	9	65.2			11.150714	

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	5384.0, 5484.0, 5491.0, 5354.0, 5572.0, 5658.0, 5324.0, 5347.0, 5265.0, 5544.0, 5504.0, 5280.0, 5426.0, 5597.0, 5532.0, 5444.0, 5607.0, 5469.0, 5377.0, 5682.0, 5450.0, 5461.0, 5412.0, 5270.0, 5343.0, 5279.0, 5471.0, 5350.0, 5534.0, 5448.0, 5462.0, 5476.0, 5468.0, 5648.0, 5364.0, 5266.0, 5269.0, 5371.0, 5522.0, 5654.0, 5552.0, 5723.0, 5561.0, 5592.0, 5449.0, 5381.0, 5718.0, 5710.0, 5300.0, 5548.0, 5465.0, 5512.0, 5329.0, 5254.0, 5277.0, 5521.0, 5306.0, 5653.0, 5651.0, 5435.0, 5562.0, 5271.0, 5675.0, 5644.0, 5536.0, 5542.0, 5690.0, 5339.0, 5316.0, 5298.0, 5625.0, 5474.0, 5393.0, 5291.0, 5578.0, 5608.0, 5310.0, 5584.0, 5717.0, 5664.0, 5635.0, 5454.0, 5581.0, 5677.0, 5564.0, 5380.0, 5719.0, 5288.0, 5326.0, 5361.0, 5464.0, 5353.0, 5259.0, 5475.0, 5646.0, 5388.0, 5456.0, 5681.0, 5524.0, 5498.0 (number of hits: 3)
2	5500	9	1	333	1	5571.0, 5452.0, 5503.0, 5310.0, 5656.0, 5535.0, 5386.0, 5650.0, 5590.0, 5658.0, 5358.0, 5453.0, 5563.0, 5272.0, 5303.0, 5564.0, 5601.0, 5438.0, 5575.0, 5537.0, 5691.0, 5282.0, 5604.0, 5488.0, 5608.0, 5514.0, 5625.0, 5610.0, 5361.0, 5434.0, 5645.0, 5698.0, 5470.0, 5380.0, 5301.0, 5296.0, 5620.0, 5661.0, 5586.0, 5286.0, 5334.0, 5352.0, 5705.0, 5509.0, 5576.0, 5348.0, 5660.0, 5550.0, 5291.0, 5257.0, 5463.0, 5275.0, 5403.0, 5487.0, 5449.0, 5548.0, 5287.0, 5391.0, 5341.0, 5555.0, 5662.0, 5481.0, 5374.0, 5671.0, 5520.0, 5409.0, 5283.0, 5720.0, 5665.0, 5479.0, 5606.0, 5517.0, 5508.0, 5460.0, 5357.0, 5666.0, 5552.0, 5534.0, 5721.0, 5522.0, 5379.0, 5523.0, 5572.0, 5595.0, 5657.0, 5496.0, 5480.0, 5710.0, 5378.0, 5297.0, 5527.0, 5493.0, 5426.0, 5495.0, 5471.0, 5554.0, 5530.0, 5284.0, 5394.0, 5300.0 (number of hits: 5)
3	5500	9	1	333	1	5422.0, 5627.0, 5503.0, 5717.0, 5522.0, 5350.0, 5545.0, 5683.0, 5466.0, 5667.0, 5478.0, 5565.0, 5417.0, 5371.0, 5407.0, 5641.0, 5410.0, 5481.0, 5529.0, 5651.0, 5358.0, 5368.0, 5344.0, 5369.0, 5662.0, 5714.0, 5723.0, 5320.0, 5437.0, 5528.0, 5424.0, 5539.0, 5655.0, 5296.0, 5418.0, 5635.0, 5619.0, 5436.0, 5532.0, 5269.0, 5448.0, 5568.0, 5384.0, 5501.0, 5703.0, 5526.0, 5354.0, 5317.0, 5372.0, 5691.0, 5342.0, 5460.0, 5456.0, 5584.0, 5393.0, 5705.0, 5657.0, 5542.0, 5569.0, 5640.0,

						5415.0, 5316.0, 5271.0, 5588.0, 5346.0, 5637.0, 5411.0, 5318.0, 5669.0, 5621.0, 5654.0, 5694.0, 5722.0, 5589.0, 5538.0, 5646.0, 5553.0, 5267.0, 5305.0, 5606.0, 5658.0, 5367.0, 5559.0, 5250.0, 5653.0, 5258.0, 5491.0, 5666.0, 5423.0, 5706.0, 5463.0, 5563.0, 5468.0, 5319.0, 5590.0, 5268.0, 5527.0, 5263.0, 5385.0, 5636.0 (number of hits: 3)
4	5500	9	1	333	1	5654.0, 5406.0, 5439.0, 5456.0, 5306.0, 5721.0, 5552.0, 5531.0, 5637.0, 5545.0, 5695.0, 5705.0, 5305.0, 5391.0, 5489.0, 5581.0, 5353.0, 5327.0, 5525.0, 5302.0, 5304.0, 5714.0, 5250.0, 5455.0, 5511.0, 5253.0, 5259.0, 5329.0, 5553.0, 5469.0, 5538.0, 5472.0, 5656.0, 5376.0, 5300.0, 5612.0, 5409.0, 5689.0, 5519.0, 5477.0, 5394.0, 5629.0, 5623.0, 5630.0, 5362.0, 5603.0, 5613.0, 5416.0, 5441.0, 5648.0, 5638.0, 5508.0, 5543.0, 5598.0, 5644.0, 5671.0, 5555.0, 5470.0, 5520.0, 5533.0, 5460.0, 5592.0, 5491.0, 5453.0, 5411.0, 5710.0, 5675.0, 5389.0, 5426.0, 5548.0, 5700.0, 5643.0, 5664.0, 5709.0, 5351.0, 5642.0, 5334.0, 5687.0, 5683.0, 5321.0, 5276.0, 5434.0, 5392.0, 5684.0, 5348.0, 5412.0, 5536.0, 5312.0, 5618.0, 5681.0, 5268.0, 5711.0, 5336.0, 5428.0, 5632.0, 5569.0, 5653.0, 5365.0, 5624.0, 5589.0 (number of hits: 2)
5	5500	9	1	333	1	5263.0, 5538.0, 5415.0, 5366.0, 5659.0, 5473.0, 5608.0, 5680.0, 5274.0, 5691.0, 5358.0, 5622.0, 5375.0, 5442.0, 5404.0, 5354.0, 5642.0, 5552.0, 5294.0, 5323.0, 5502.0, 5310.0, 5462.0, 5633.0, 5327.0, 5259.0, 5496.0, 5692.0, 5328.0, 5252.0, 5365.0, 5280.0, 5368.0, 5451.0, 5711.0, 5572.0, 5401.0, 5636.0, 5491.0, 5430.0, 5514.0, 5668.0, 5490.0, 5431.0, 5528.0, 5300.0, 5428.0, 5715.0, 5609.0, 5533.0, 5615.0, 5718.0, 5433.0, 5626.0, 5590.0, 5652.0, 5386.0, 5321.0, 5394.0, 5710.0, 5547.0, 5497.0, 5540.0, 5311.0, 5286.0, 5309.0, 5271.0, 5570.0, 5334.0, 5250.0, 5396.0, 5638.0, 5414.0, 5624.0, 5720.0, 5392.0, 5324.0, 5357.0, 5278.0, 5257.0, 5525.0, 5580.0, 5333.0, 5648.0, 5411.0, 5641.0, 5508.0, 5482.0, 5471.0, 5583.0, 5697.0, 5483.0, 5407.0, 5450.0, 5270.0, 5714.0, 5672.0, 5555.0, 5299.0, 5388.0 (number of hits: 5)
6	5500	9	1	333	1	5644.0, 5273.0, 5510.0, 5690.0, 5346.0, 5433.0, 5405.0, 5647.0, 5378.0, 5386.0, 5633.0, 5679.0, 5563.0, 5720.0, 5344.0, 5368.0, 5255.0, 5285.0, 5486.0, 5701.0, 5585.0, 5340.0, 5522.0, 5485.0, 5475.0, 5361.0, 5381.0, 5530.0, 5579.0, 5550.0, 5499.0, 5534.0, 5695.0, 5645.0, 5329.0, 5430.0, 5395.0, 5324.0, 5470.0, 5315.0,

						5439.0, 5414.0, 5507.0, 5474.0, 5420.0, 5300.0, 5278.0, 5402.0, 5672.0, 5582.0, 5504.0, 5610.0, 5538.0, 5390.0, 5267.0, 5552.0, 5694.0, 5271.0, 5506.0, 5630.0, 5350.0, 5362.0, 5539.0, 5291.0, 5655.0, 5416.0, 5421.0, 5442.0, 5596.0, 5525.0, 5617.0, 5279.0, 5306.0, 5290.0, 5661.0, 5400.0, 5409.0, 5250.0, 5263.0, 5704.0, 5624.0, 5541.0, 5714.0, 5514.0, 5723.0, 5536.0, 5399.0, 5558.0, 5581.0, 5321.0, 5265.0, 5609.0, 5588.0, 5682.0, 5316.0, 5660.0, 5549.0, 5493.0, 5515.0, 5598.0 (number of hits: 5)
7	5500	9	1	333	1	5363.0, 5709.0, 5669.0, 5640.0, 5406.0, 5307.0, 5614.0, 5405.0, 5416.0, 5469.0, 5482.0, 5356.0, 5690.0, 5624.0, 5564.0, 5573.0, 5280.0, 5563.0, 5377.0, 5559.0, 5682.0, 5567.0, 5381.0, 5479.0, 5433.0, 5251.0, 5645.0, 5446.0, 5671.0, 5561.0, 5474.0, 5388.0, 5311.0, 5598.0, 5710.0, 5417.0, 5521.0, 5520.0, 5588.0, 5693.0, 5360.0, 5527.0, 5679.0, 5365.0, 5443.0, 5262.0, 5384.0, 5367.0, 5300.0, 5702.0, 5639.0, 5659.0, 5336.0, 5480.0, 5486.0, 5649.0, 5637.0, 5662.0, 5535.0, 5374.0, 5630.0, 5451.0, 5390.0, 5549.0, 5464.0, 5538.0, 5294.0, 5715.0, 5256.0, 5292.0, 5253.0, 5274.0, 5723.0, 5553.0, 5306.0, 5335.0, 5543.0, 5526.0, 5530.0, 5712.0, 5290.0, 5689.0, 5341.0, 5308.0, 5643.0, 5542.0, 5608.0, 5338.0, 5546.0, 5666.0, 5491.0, 5609.0, 5401.0, 5393.0, 5286.0, 5494.0, 5636.0, 5536.0, 5400.0, 5267.0 (number of hits: 2)
8	5500	9	1	333	1	5520.0, 5461.0, 5271.0, 5429.0, 5600.0, 5685.0, 5705.0, 5641.0, 5297.0, 5477.0, 5293.0, 5646.0, 5274.0, 5605.0, 5617.0, 5681.0, 5360.0, 5418.0, 5565.0, 5589.0, 5515.0, 5465.0, 5307.0, 5354.0, 5394.0, 5596.0, 5428.0, 5656.0, 5388.0, 5384.0, 5637.0, 5506.0, 5581.0, 5621.0, 5487.0, 5503.0, 5312.0, 5590.0, 5439.0, 5518.0, 5544.0, 5599.0, 5273.0, 5416.0, 5467.0, 5344.0, 5332.0, 5533.0, 5512.0, 5365.0, 5491.0, 5390.0, 5326.0, 5268.0, 5586.0, 5575.0, 5398.0, 5700.0, 5622.0, 5374.0, 5296.0, 5532.0, 5715.0, 5472.0, 5490.0, 5489.0, 5619.0, 5609.0, 5451.0, 5256.0, 5316.0, 5584.0, 5588.0, 5686.0, 5689.0, 5560.0, 5336.0, 5709.0, 5334.0, 5371.0, 5495.0, 5433.0, 5587.0, 5335.0, 5427.0, 5265.0, 5366.0, 5352.0, 5704.0, 5694.0, 5482.0, 5369.0, 5447.0, 5484.0, 5391.0, 5320.0, 5410.0, 5514.0, 5667.0, 5523.0 (number of hits: 4)
9	5500	9	1	333	1	5718.0, 5359.0, 5313.0, 5449.0, 5552.0, 5652.0, 5436.0, 5440.0, 5375.0, 5468.0, 5260.0, 5462.0, 5696.0, 5596.0, 5383.0, 5646.0, 5665.0, 5537.0, 5373.0, 5505.0,

						5657.0, 5719.0, 5587.0, 5357.0, 5358.0, 5554.0, 5321.0, 5320.0, 5482.0, 5531.0, 5322.0, 5398.0, 5404.0, 5629.0, 5431.0, 5319.0, 5519.0, 5619.0, 5463.0, 5327.0, 5637.0, 5422.0, 5675.0, 5414.0, 5589.0, 5608.0, 5418.0, 5548.0, 5428.0, 5570.0, 5424.0, 5682.0, 5259.0, 5385.0, 5318.0, 5473.0, 5542.0, 5261.0, 5257.0, 5354.0, 5281.0, 5252.0, 5343.0, 5598.0, 5683.0, 5472.0, 5641.0, 5417.0, 5270.0, 5267.0, 5558.0, 5528.0, 5475.0, 5520.0, 5471.0, 5308.0, 5273.0, 5561.0, 5550.0, 5618.0, 5711.0, 5466.0, 5477.0, 5585.0, 5326.0, 5709.0, 5553.0, 5651.0, 5513.0, 5323.0, 5325.0, 5716.0, 5309.0, 5253.0, 5415.0, 5511.0, 5355.0, 5653.0, 5296.0, 5450.0 (number of hits: 1)
10	5500	9	1	333	1	5332.0, 5720.0, 5439.0, 5611.0, 5694.0, 5622.0, 5255.0, 5292.0, 5647.0, 5500.0, 5380.0, 5588.0, 5602.0, 5506.0, 5550.0, 5310.0, 5305.0, 5532.0, 5509.0, 5312.0, 5530.0, 5260.0, 5624.0, 5252.0, 5674.0, 5633.0, 5491.0, 5609.0, 5402.0, 5393.0, 5575.0, 5321.0, 5646.0, 5690.0, 5693.0, 5680.0, 5689.0, 5330.0, 5577.0, 5480.0, 5571.0, 5410.0, 5703.0, 5531.0, 5357.0, 5367.0, 5390.0, 5561.0, 5470.0, 5265.0, 5673.0, 5442.0, 5722.0, 5407.0, 5275.0, 5425.0, 5715.0, 5696.0, 5486.0, 5334.0, 5610.0, 5671.0, 5344.0, 5598.0, 5528.0, 5621.0, 5319.0, 5408.0, 5368.0, 5475.0, 5440.0, 5519.0, 5349.0, 5335.0, 5476.0, 5631.0, 5256.0, 5297.0, 5454.0, 5326.0, 5396.0, 5655.0, 5687.0, 5539.0, 5409.0, 5503.0, 5400.0, 5584.0, 5453.0, 5392.0, 5378.0, 5320.0, 5494.0, 5688.0, 5552.0, 5593.0, 5418.0, 5412.0, 5499.0, 5607.0 (number of hits: 6)
11	5491	9	1	333	1	5538.0, 5542.0, 5587.0, 5501.0, 5463.0, 5483.0, 5351.0, 5367.0, 5603.0, 5324.0, 5693.0, 5453.0, 5345.0, 5610.0, 5620.0, 5480.0, 5618.0, 5689.0, 5672.0, 5574.0, 5544.0, 5395.0, 5707.0, 5316.0, 5425.0, 5409.0, 5295.0, 5560.0, 5512.0, 5271.0, 5653.0, 5312.0, 5699.0, 5354.0, 5474.0, 5715.0, 5537.0, 5701.0, 5577.0, 5290.0, 5300.0, 5602.0, 5363.0, 5510.0, 5642.0, 5350.0, 5466.0, 5548.0, 5301.0, 5388.0, 5435.0, 5449.0, 5410.0, 5310.0, 5437.0, 5641.0, 5562.0, 5668.0, 5705.0, 5533.0, 5656.0, 5674.0, 5375.0, 5440.0, 5571.0, 5255.0, 5277.0, 5623.0, 5441.0, 5293.0, 5457.0, 5598.0, 5694.0, 5337.0, 5712.0, 5358.0, 5254.0, 5664.0, 5467.0, 5597.0, 5256.0, 5552.0, 5716.0, 5655.0, 5287.0, 5399.0, 5529.0, 5390.0, 5414.0, 5442.0, 5586.0, 5303.0, 5381.0, 5584.0, 5516.0, 5307.0, 5559.0, 5583.0, 5438.0, 5402.0 (number of hits: 1)

12	5491	9	1	333	1	5572.0, 5433.0, 5621.0, 5672.0, 5364.0, 5469.0, 5485.0, 5305.0, 5304.0, 5318.0, 5657.0, 5440.0, 5374.0, 5281.0, 5695.0, 5462.0, 5515.0, 5645.0, 5389.0, 5550.0, 5492.0, 5447.0, 5681.0, 5472.0, 5551.0, 5381.0, 5445.0, 5282.0, 5521.0, 5363.0, 5279.0, 5719.0, 5554.0, 5617.0, 5379.0, 5432.0, 5556.0, 5597.0, 5277.0, 5627.0, 5526.0, 5408.0, 5470.0, 5662.0, 5335.0, 5494.0, 5513.0, 5608.0, 5704.0, 5533.0, 5601.0, 5675.0, 5395.0, 5474.0, 5475.0, 5360.0, 5354.0, 5357.0, 5372.0, 5342.0, 5603.0, 5538.0, 5566.0, 5635.0, 5287.0, 5509.0, 5605.0, 5558.0, 5571.0, 5700.0, 5285.0, 5547.0, 5611.0, 5618.0, 5514.0, 5682.0, 5409.0, 5384.0, 5481.0, 5543.0, 5266.0, 5697.0, 5650.0, 5599.0, 5534.0, 5386.0, 5527.0, 5615.0, 5455.0, 5632.0, 5600.0, 5256.0, 5270.0, 5341.0, 5535.0, 5352.0, 5466.0, 5640.0, 5679.0, 5276.0 (number of hits: 3)
13	5491	9	1	333	1	5473.0, 5268.0, 5269.0, 5623.0, 5610.0, 5559.0, 5510.0, 5464.0, 5633.0, 5477.0, 5427.0, 5516.0, 5715.0, 5463.0, 5722.0, 5694.0, 5481.0, 5499.0, 5394.0, 5492.0, 5286.0, 5431.0, 5555.0, 5687.0, 5415.0, 5543.0, 5373.0, 5646.0, 5668.0, 5634.0, 5669.0, 5339.0, 5606.0, 5414.0, 5465.0, 5593.0, 5432.0, 5444.0, 5660.0, 5482.0, 5620.0, 5368.0, 5488.0, 5517.0, 5278.0, 5334.0, 5365.0, 5413.0, 5458.0, 5557.0, 5418.0, 5611.0, 5639.0, 5356.0, 5271.0, 5704.0, 5622.0, 5462.0, 5299.0, 5656.0, 5256.0, 5550.0, 5251.0, 5690.0, 5257.0, 5386.0, 5351.0, 5323.0, 5490.0, 5292.0, 5553.0, 5714.0, 5470.0, 5680.0, 5401.0, 5506.0, 5353.0, 5502.0, 5259.0, 5289.0, 5281.0, 5625.0, 5346.0, 5720.0, 5712.0, 5411.0, 5253.0, 5447.0, 5566.0, 5290.0, 5381.0, 5545.0, 5665.0, 5319.0, 5636.0, 5614.0, 5285.0, 5421.0, 5554.0, 5372.0 (number of hits: 5)
14	5491	9	1	333	0	0
15	5491	9	1	333	1	5262.0, 5493.0, 5505.0, 5284.0, 5702.0, 5457.0, 5629.0, 5718.0, 5546.0, 5649.0, 5328.0, 5700.0, 5344.0, 5520.0, 5436.0, 5432.0, 5265.0, 5564.0, 5711.0, 5658.0, 5364.0, 5356.0, 5372.0, 5416.0, 5429.0, 5472.0, 5642.0, 5389.0, 5320.0, 5315.0, 5355.0, 5645.0, 5251.0, 5267.0, 5307.0, 5466.0, 5654.0, 5281.0, 5522.0, 5673.0, 5689.0, 5441.0, 5679.0, 5661.0, 5443.0, 5717.0, 5491.0, 5452.0, 5517.0, 5327.0, 5545.0, 5632.0, 5415.0, 5376.0, 5268.0, 5577.0, 5579.0, 5495.0, 5669.0, 5499.0, 5687.0, 5586.0, 5286.0, 5255.0, 5618.0, 5467.0, 5481.0, 5511.0, 5650.0, 5492.0, 5641.0, 5324.0, 5413.0, 5440.0, 5720.0,

						5581.0, 5621.0, 5397.0, 5675.0, 5280.0, 5561.0, 5625.0, 5644.0, 5272.0, 5516.0, 5538.0, 5693.0, 5507.0, 5366.0, 5329.0, 5604.0, 5392.0, 5391.0, 5489.0, 5437.0, 5353.0, 5263.0, 5449.0, 5540.0, 5714.0 (number of hits: 6)
16	5491	9	1	333	1	5374.0, 5496.0, 5414.0, 5409.0, 5454.0, 5531.0, 5437.0, 5697.0, 5434.0, 5724.0, 5664.0, 5495.0, 5674.0, 5556.0, 5566.0, 5299.0, 5526.0, 5436.0, 5396.0, 5382.0, 5389.0, 5331.0, 5608.0, 5592.0, 5359.0, 5682.0, 5518.0, 5303.0, 5675.0, 5401.0, 5586.0, 5478.0, 5469.0, 5632.0, 5274.0, 5464.0, 5579.0, 5366.0, 5662.0, 5655.0, 5616.0, 5253.0, 5646.0, 5523.0, 5610.0, 5458.0, 5494.0, 5620.0, 5346.0, 5387.0, 5656.0, 5368.0, 5457.0, 5386.0, 5405.0, 5289.0, 5715.0, 5549.0, 5410.0, 5650.0, 5699.0, 5438.0, 5383.0, 5398.0, 5515.0, 5361.0, 5545.0, 5583.0, 5676.0, 5403.0, 5630.0, 5693.0, 5670.0, 5307.0, 5462.0, 5430.0, 5509.0, 5466.0, 5706.0, 5677.0, 5422.0, 5406.0, 5392.0, 5512.0, 5285.0, 5604.0, 5589.0, 5283.0, 5667.0, 5558.0, 5394.0, 5363.0, 5319.0, 5370.0, 5372.0, 5542.0, 5538.0, 5594.0, 5593.0, 5298.0 (number of hits: 3)
17	5491	9	1	333	1	5719.0, 5606.0, 5704.0, 5358.0, 5519.0, 5573.0, 5419.0, 5330.0, 5599.0, 5339.0, 5373.0, 5260.0, 5530.0, 5497.0, 5485.0, 5263.0, 5619.0, 5392.0, 5394.0, 5362.0, 5529.0, 5284.0, 5393.0, 5613.0, 5366.0, 5492.0, 5697.0, 5379.0, 5428.0, 5340.0, 5319.0, 5553.0, 5308.0, 5630.0, 5653.0, 5571.0, 5470.0, 5364.0, 5286.0, 5655.0, 5378.0, 5649.0, 5380.0, 5410.0, 5660.0, 5707.0, 5374.0, 5472.0, 5699.0, 5430.0, 5600.0, 5661.0, 5446.0, 5547.0, 5595.0, 5491.0, 5585.0, 5541.0, 5317.0, 5375.0, 5695.0, 5640.0, 5256.0, 5632.0, 5338.0, 5629.0, 5712.0, 5276.0, 5454.0, 5550.0, 5477.0, 5403.0, 5612.0, 5488.0, 5345.0, 5538.0, 5557.0, 5634.0, 5360.0, 5303.0, 5278.0, 5405.0, 5675.0, 5548.0, 5401.0, 5294.0, 5577.0, 5686.0, 5665.0, 5427.0, 5342.0, 5516.0, 5539.0, 5685.0, 5302.0, 5359.0, 5554.0, 5513.0, 5432.0, 5351.0 (number of hits: 5)
18	5491	9	1	333	1	5283.0, 5498.0, 5253.0, 5586.0, 5262.0, 5696.0, 5471.0, 5465.0, 5361.0, 5627.0, 5274.0, 5338.0, 5257.0, 5287.0, 5276.0, 5578.0, 5486.0, 5675.0, 5429.0, 5605.0, 5411.0, 5406.0, 5365.0, 5632.0, 5601.0, 5446.0, 5581.0, 5250.0, 5670.0, 5301.0, 5631.0, 5642.0, 5258.0, 5596.0, 5292.0, 5376.0, 5407.0, 5398.0, 5412.0, 5259.0, 5618.0, 5405.0, 5568.0, 5711.0, 5323.0, 5608.0, 5588.0, 5319.0, 5704.0, 5554.0, 5297.0, 5295.0, 5402.0, 5483.0, 5718.0,

						5575.0, 5509.0, 5647.0, 5450.0, 5273.0, 5275.0, 5453.0, 5706.0, 5497.0, 5302.0, 5339.0, 5542.0, 5646.0, 5280.0, 5488.0, 5592.0, 5658.0, 5507.0, 5334.0, 5557.0, 5504.0, 5635.0, 5533.0, 5619.0, 5692.0, 5602.0, 5285.0, 5693.0, 5599.0, 5553.0, 5714.0, 5322.0, 5385.0, 5528.0, 5399.0, 5640.0, 5565.0, 5469.0, 5321.0, 5303.0, 5567.0, 5451.0, 5441.0, 5400.0, 5637.0 (number of hits: 5)
19	5491	9	1	333	1	5618.0, 5654.0, 5666.0, 5646.0, 5530.0, 5300.0, 5514.0, 5394.0, 5647.0, 5670.0, 5292.0, 5324.0, 5408.0, 5476.0, 5639.0, 5423.0, 5512.0, 5640.0, 5389.0, 5415.0, 5426.0, 5579.0, 5319.0, 5708.0, 5625.0, 5657.0, 5273.0, 5412.0, 5306.0, 5475.0, 5538.0, 5311.0, 5463.0, 5702.0, 5552.0, 5662.0, 5554.0, 5280.0, 5413.0, 5424.0, 5672.0, 5555.0, 5604.0, 5433.0, 5626.0, 5659.0, 5258.0, 5276.0, 5664.0, 5615.0, 5295.0, 5578.0, 5278.0, 5591.0, 5539.0, 5457.0, 5340.0, 5493.0, 5531.0, 5253.0, 5563.0, 5690.0, 5506.0, 5288.0, 5386.0, 5585.0, 5458.0, 5399.0, 5553.0, 5354.0, 5722.0, 5481.0, 5281.0, 5685.0, 5336.0, 5497.0, 5364.0, 5526.0, 5427.0, 5451.0, 5398.0, 5417.0, 5489.0, 5456.0, 5328.0, 5310.0, 5435.0, 5715.0, 5255.0, 5546.0, 5462.0, 5710.0, 5283.0, 5390.0, 5642.0, 5692.0, 5557.0, 5637.0, 5652.0, 5414.0 (number of hits: 3)
20	5491	9	1	333	1	5379.0, 5472.0, 5578.0, 5313.0, 5494.0, 5454.0, 5350.0, 5588.0, 5631.0, 5513.0, 5303.0, 5608.0, 5540.0, 5276.0, 5585.0, 5707.0, 5685.0, 5610.0, 5356.0, 5490.0, 5468.0, 5682.0, 5590.0, 5515.0, 5255.0, 5635.0, 5485.0, 5574.0, 5660.0, 5319.0, 5706.0, 5355.0, 5458.0, 5419.0, 5712.0, 5520.0, 5294.0, 5582.0, 5545.0, 5607.0, 5611.0, 5297.0, 5641.0, 5649.0, 5567.0, 5259.0, 5450.0, 5357.0, 5527.0, 5577.0, 5364.0, 5646.0, 5258.0, 5342.0, 5265.0, 5440.0, 5459.0, 5312.0, 5358.0, 5284.0, 5673.0, 5663.0, 5381.0, 5568.0, 5655.0, 5411.0, 5593.0, 5336.0, 5391.0, 5431.0, 5622.0, 5537.0, 5547.0, 5653.0, 5370.0, 5338.0, 5278.0, 5471.0, 5335.0, 5603.0, 5602.0, 5624.0, 5271.0, 5281.0, 5277.0, 5510.0, 5426.0, 5539.0, 5269.0, 5509.0, 5625.0, 5512.0, 5287.0, 5595.0, 5554.0, 5697.0, 5420.0, 5546.0, 5351.0, 5565.0 (number of hits: 3)
21	5509	9	1	333	1	5431.0, 5521.0, 5610.0, 5723.0, 5674.0, 5416.0, 5683.0, 5435.0, 5634.0, 5556.0, 5525.0, 5518.0, 5587.0, 5478.0, 5620.0, 5685.0, 5330.0, 5488.0, 5527.0, 5650.0, 5636.0, 5258.0, 5428.0, 5253.0, 5446.0, 5261.0, 5568.0, 5623.0, 5720.0, 5314.0, 5386.0, 5438.0, 5574.0, 5695.0, 5615.0,

						5600.0, 5436.0, 5271.0, 5422.0, 5690.0, 5359.0, 5448.0, 5490.0, 5601.0, 5251.0, 5566.0, 5575.0, 5269.0, 5283.0, 5528.0, 5391.0, 5290.0, 5503.0, 5497.0, 5477.0, 5267.0, 5405.0, 5616.0, 5709.0, 5346.0, 5670.0, 5440.0, 5666.0, 5395.0, 5376.0, 5354.0, 5289.0, 5270.0, 5589.0, 5486.0, 5608.0, 5647.0, 5691.0, 5399.0, 5513.0, 5278.0, 5585.0, 5429.0, 5537.0, 5675.0, 5308.0, 5420.0, 5465.0, 5567.0, 5545.0, 5295.0, 5327.0, 5508.0, 5665.0, 5400.0, 5531.0, 5377.0, 5593.0, 5649.0, 5699.0, 5657.0, 5653.0, 5322.0, 5481.0, 5371.0 (number of hits: 3)
22	5509	9	1	333	1	5525.0, 5398.0, 5543.0, 5370.0, 5574.0, 5352.0, 5582.0, 5662.0, 5469.0, 5692.0, 5542.0, 5680.0, 5360.0, 5630.0, 5638.0, 5459.0, 5460.0, 5346.0, 5362.0, 5596.0, 5480.0, 5431.0, 5647.0, 5442.0, 5554.0, 5512.0, 5536.0, 5717.0, 5648.0, 5641.0, 5403.0, 5522.0, 5324.0, 5526.0, 5685.0, 5462.0, 5359.0, 5350.0, 5635.0, 5562.0, 5441.0, 5529.0, 5580.0, 5356.0, 5484.0, 5306.0, 5544.0, 5393.0, 5298.0, 5439.0, 5278.0, 5678.0, 5268.0, 5722.0, 5585.0, 5715.0, 5407.0, 5508.0, 5661.0, 5710.0, 5538.0, 5426.0, 5557.0, 5679.0, 5521.0, 5720.0, 5328.0, 5613.0, 5688.0, 5605.0, 5705.0, 5517.0, 5288.0, 5463.0, 5597.0, 5279.0, 5302.0, 5395.0, 5321.0, 5564.0, 5691.0, 5642.0, 5671.0, 5621.0, 5627.0, 5723.0, 5695.0, 5276.0, 5702.0, 5644.0, 5724.0, 5505.0, 5684.0, 5349.0, 5652.0, 5552.0, 5660.0, 5332.0, 5614.0, 5629.0 (number of hits: 4)
23	5509	9	1	333	1	5335.0, 5537.0, 5314.0, 5550.0, 5655.0, 5612.0, 5425.0, 5395.0, 5669.0, 5632.0, 5298.0, 5356.0, 5307.0, 5619.0, 5286.0, 5400.0, 5595.0, 5410.0, 5583.0, 5491.0, 5461.0, 5447.0, 5622.0, 5558.0, 5322.0, 5709.0, 5577.0, 5607.0, 5540.0, 5375.0, 5412.0, 5470.0, 5329.0, 5464.0, 5291.0, 5697.0, 5379.0, 5445.0, 5311.0, 5529.0, 5687.0, 5513.0, 5484.0, 5376.0, 5444.0, 5518.0, 5653.0, 5545.0, 5681.0, 5717.0, 5355.0, 5430.0, 5615.0, 5251.0, 5633.0, 5471.0, 5350.0, 5642.0, 5336.0, 5409.0, 5587.0, 5519.0, 5623.0, 5628.0, 5700.0, 5271.0, 5396.0, 5319.0, 5694.0, 5488.0, 5722.0, 5712.0, 5691.0, 5392.0, 5357.0, 5517.0, 5407.0, 5405.0, 5278.0, 5310.0, 5292.0, 5437.0, 5651.0, 5535.0, 5261.0, 5658.0, 5528.0, 5456.0, 5285.0, 5339.0, 5720.0, 5362.0, 5377.0, 5316.0, 5647.0, 5696.0, 5391.0, 5334.0, 5434.0, 5721.0 (number of hits: 2)
24	5509	9	1	333	1	5518.0, 5597.0, 5561.0, 5672.0, 5403.0, 5619.0, 5624.0, 5275.0, 5558.0, 5458.0, 5310.0, 5336.0, 5604.0, 5420.0, 5628.0,

						5723.0, 5507.0, 5714.0, 5613.0, 5702.0, 5565.0, 5391.0, 5374.0, 5673.0, 5633.0, 5453.0, 5380.0, 5436.0, 5262.0, 5428.0, 5452.0, 5417.0, 5688.0, 5694.0, 5451.0, 5449.0, 5490.0, 5683.0, 5349.0, 5354.0, 5250.0, 5423.0, 5645.0, 5503.0, 5521.0, 5584.0, 5351.0, 5465.0, 5642.0, 5549.0, 5700.0, 5396.0, 5270.0, 5536.0, 5576.0, 5422.0, 5292.0, 5656.0, 5533.0, 5482.0, 5302.0, 5395.0, 5421.0, 5665.0, 5411.0, 5418.0, 5322.0, 5286.0, 5319.0, 5531.0, 5475.0, 5476.0, 5674.0, 5623.0, 5369.0, 5709.0, 5432.0, 5664.0, 5401.0, 5359.0, 5443.0, 5371.0, 5611.0, 5689.0, 5543.0, 5548.0, 5556.0, 5686.0, 5496.0, 5512.0, 5291.0, 5485.0, 5602.0, 5350.0, 5324.0, 5585.0, 5699.0, 5474.0, 5630.0, 5305.0 (number of hits: 3)
25	5509	9	1	333	1	5433.0, 5449.0, 5313.0, 5402.0, 5259.0, 5601.0, 5712.0, 5508.0, 5504.0, 5688.0, 5614.0, 5664.0, 5412.0, 5348.0, 5325.0, 5659.0, 5440.0, 5282.0, 5352.0, 5312.0, 5354.0, 5483.0, 5342.0, 5266.0, 5275.0, 5701.0, 5470.0, 5310.0, 5510.0, 5656.0, 5592.0, 5580.0, 5288.0, 5372.0, 5394.0, 5419.0, 5472.0, 5505.0, 5608.0, 5522.0, 5406.0, 5367.0, 5454.0, 5345.0, 5674.0, 5626.0, 5502.0, 5520.0, 5515.0, 5281.0, 5673.0, 5413.0, 5494.0, 5622.0, 5620.0, 5336.0, 5264.0, 5555.0, 5468.0, 5432.0, 5527.0, 5612.0, 5306.0, 5361.0, 5408.0, 5286.0, 5579.0, 5593.0, 5598.0, 5464.0, 5648.0, 5724.0, 5383.0, 5254.0, 5501.0, 5718.0, 5257.0, 5613.0, 5353.0, 5623.0, 5414.0, 5430.0, 5487.0, 5539.0, 5634.0, 5481.0, 5576.0, 5335.0, 5511.0, 5700.0, 5704.0, 5702.0, 5294.0, 5476.0, 5442.0, 5393.0, 5713.0, 5370.0, 5710.0, 5686.0 (number of hits: 8)
26	5509	9	1	333	1	5554.0, 5689.0, 5524.0, 5496.0, 5477.0, 5404.0, 5330.0, 5666.0, 5321.0, 5544.0, 5305.0, 5660.0, 5718.0, 5535.0, 5576.0, 5454.0, 5598.0, 5622.0, 5568.0, 5307.0, 5639.0, 5583.0, 5436.0, 5673.0, 5682.0, 5684.0, 5664.0, 5552.0, 5630.0, 5700.0, 5683.0, 5546.0, 5704.0, 5341.0, 5665.0, 5562.0, 5348.0, 5604.0, 5698.0, 5429.0, 5612.0, 5323.0, 5446.0, 5645.0, 5667.0, 5580.0, 5311.0, 5485.0, 5653.0, 5709.0, 5462.0, 5316.0, 5276.0, 5376.0, 5460.0, 5331.0, 5380.0, 5279.0, 5514.0, 5274.0, 5627.0, 5632.0, 5545.0, 5589.0, 5511.0, 5523.0, 5606.0, 5340.0, 5336.0, 5290.0, 5409.0, 5636.0, 5585.0, 5443.0, 5263.0, 5481.0, 5613.0, 5267.0, 5298.0, 5434.0, 5563.0, 5353.0, 5499.0, 5338.0, 5461.0, 5369.0, 5557.0, 5717.0, 5360.0, 5625.0, 5573.0, 5313.0, 5400.0, 5551.0, 5504.0, 5394.0, 5584.0, 5538.0, 5464.0, 5388.0

						(number of hits: 3)
27	5509	9	1	333	1	5714.0, 5306.0, 5551.0, 5632.0, 5511.0, 5441.0, 5305.0, 5583.0, 5482.0, 5442.0, 5450.0, 5346.0, 5575.0, 5678.0, 5311.0, 5521.0, 5601.0, 5330.0, 5485.0, 5309.0, 5720.0, 5400.0, 5658.0, 5362.0, 5660.0, 5275.0, 5366.0, 5428.0, 5508.0, 5495.0, 5525.0, 5357.0, 5323.0, 5351.0, 5668.0, 5414.0, 5685.0, 5572.0, 5486.0, 5319.0, 5394.0, 5413.0, 5602.0, 5430.0, 5420.0, 5279.0, 5401.0, 5553.0, 5609.0, 5683.0, 5667.0, 5382.0, 5269.0, 5536.0, 5422.0, 5349.0, 5353.0, 5528.0, 5637.0, 5594.0, 5261.0, 5654.0, 5642.0, 5674.0, 5512.0, 5378.0, 5315.0, 5265.0, 5644.0, 5665.0, 5490.0, 5297.0, 5437.0, 5345.0, 5607.0, 5446.0, 5600.0, 5479.0, 5333.0, 5631.0, 5596.0, 5589.0, 5363.0, 5317.0, 5663.0, 5260.0, 5565.0, 5577.0, 5487.0, 5517.0, 5498.0, 5291.0, 5277.0, 5554.0, 5548.0, 5447.0, 5610.0, 5303.0, 5278.0, 5385.0
						(number of hits: 4)
28	5509	9	1	333	1	5607.0, 5700.0, 5568.0, 5657.0, 5380.0, 5575.0, 5493.0, 5315.0, 5546.0, 5467.0, 5671.0, 5338.0, 5698.0, 5319.0, 5489.0, 5552.0, 5465.0, 5598.0, 5625.0, 5562.0, 5257.0, 5321.0, 5309.0, 5299.0, 5277.0, 5310.0, 5609.0, 5556.0, 5644.0, 5425.0, 5284.0, 5365.0, 5495.0, 5334.0, 5351.0, 5252.0, 5420.0, 5658.0, 5375.0, 5710.0, 5648.0, 5394.0, 5506.0, 5656.0, 5514.0, 5360.0, 5518.0, 5434.0, 5566.0, 5602.0, 5279.0, 5485.0, 5289.0, 5717.0, 5574.0, 5645.0, 5385.0, 5455.0, 5341.0, 5714.0, 5476.0, 5305.0, 5350.0, 5702.0, 5333.0, 5429.0, 5442.0, 5441.0, 5667.0, 5335.0, 5499.0, 5430.0, 5529.0, 5606.0, 5608.0, 5314.0, 5661.0, 5369.0, 5460.0, 5692.0, 5461.0, 5344.0, 5517.0, 5534.0, 5404.0, 5470.0, 5364.0, 5462.0, 5452.0, 5615.0, 5410.0, 5588.0, 5516.0, 5553.0, 5304.0, 5483.0, 5427.0, 5655.0, 5407.0, 5718.0
						(number of hits: 4)
29	5509	9	1	333	1	5686.0, 5495.0, 5306.0, 5588.0, 5614.0, 5584.0, 5267.0, 5337.0, 5711.0, 5634.0, 5496.0, 5287.0, 5673.0, 5594.0, 5446.0, 5302.0, 5272.0, 5563.0, 5292.0, 5335.0, 5353.0, 5365.0, 5583.0, 5408.0, 5270.0, 5560.0, 5515.0, 5643.0, 5591.0, 5299.0, 5378.0, 5531.0, 5449.0, 5466.0, 5538.0, 5266.0, 5581.0, 5356.0, 5384.0, 5389.0, 5372.0, 5651.0, 5681.0, 5716.0, 5685.0, 5296.0, 5521.0, 5348.0, 5383.0, 5441.0, 5426.0, 5430.0, 5697.0, 5342.0, 5339.0, 5640.0, 5259.0, 5279.0, 5458.0, 5625.0, 5494.0, 5590.0, 5707.0, 5291.0, 5698.0, 5416.0, 5561.0, 5316.0, 5632.0, 5720.0, 5530.0, 5428.0, 5396.0, 5606.0, 5499.0, 5354.0, 5717.0, 5659.0, 5573.0, 5401.0,

						5486.0, 5343.0, 5375.0, 5633.0, 5394.0, 5360.0, 5357.0, 5412.0, 5631.0, 5379.0, 5642.0, 5402.0, 5255.0, 5649.0, 5621.0, 5619.0, 5599.0, 5442.0, 5667.0, 5440.0 (number of hits: 1)
30	5509	9	1	333	1	5348.0, 5393.0, 5572.0, 5410.0, 5474.0, 5503.0, 5547.0, 5367.0, 5371.0, 5473.0, 5308.0, 5320.0, 5581.0, 5655.0, 5658.0, 5354.0, 5675.0, 5623.0, 5666.0, 5544.0, 5556.0, 5292.0, 5339.0, 5432.0, 5395.0, 5428.0, 5555.0, 5541.0, 5527.0, 5305.0, 5419.0, 5595.0, 5679.0, 5662.0, 5312.0, 5285.0, 5585.0, 5342.0, 5593.0, 5481.0, 5469.0, 5619.0, 5603.0, 5273.0, 5443.0, 5322.0, 5654.0, 5381.0, 5553.0, 5519.0, 5639.0, 5499.0, 5691.0, 5406.0, 5532.0, 5265.0, 5362.0, 5668.0, 5548.0, 5709.0, 5602.0, 5456.0, 5508.0, 5391.0, 5437.0, 5627.0, 5404.0, 5283.0, 5463.0, 5464.0, 5704.0, 5673.0, 5466.0, 5592.0, 5301.0, 5284.0, 5279.0, 5343.0, 5708.0, 5589.0, 5424.0, 5431.0, 5669.0, 5458.0, 5537.0, 5366.0, 5610.0, 5489.0, 5546.0, 5468.0, 5435.0, 5641.0, 5569.0, 5576.0, 5291.0, 5334.0, 5351.0, 5511.0, 5471.0, 5498.0 (number of hits: 3)

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	100 %	60%	Pass
Type 3	30	90.0 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	96.7 %	80%	Pass
Type 5	30	90 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5510 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	89	1	598	1
2	5510	74	1	718	1
3	5510	72	1	738	1
4	5510	102	1	518	1
5	5510	57	1	938	1
6	5490	81	1	658	1
7	5490	58	1	918	1
8	5490	95	1	558	1
9	5490	86	1	618	1
10	5490	92	1	578	1
11	5530	63	1	838	1
12	5530	76	1	698	1
13	5530	67	1	798	1
14	5530	83	1	638	1
15	5530	78	1	678	1
16	5510	60	1	884	1
17	5510	22	1	2475	1
18	5510	22	1	2513	1
19	5510	79	1	675	1
20	5510	49	1	1097	1
21	5490	45	1	1175	1
22	5490	28	1	1902	1
23	5490	56	1	949	1
24	5490	22	1	2446	1
25	5490	48	1	1117	1
26	5530	67	1	795	1
27	5530	60	1	880	1
28	5530	63	1	848	1
29	5530	58	1	924	1
30	5530	29	1	1853	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	29	2	161	1
2	5510	26	3.3	155	1
3	5510	27	1.3	207	1
4	5510	28	3.8	164	1
5	5510	27	4.7	206	1
6	5510	29	2.9	177	1
7	5510	27	4.4	221	1
8	5510	27	2	180	1
9	5510	26	2.6	196	1
10	5510	26	2.6	177	1
11	5490	27	1.8	200	1
12	5490	23	4.7	230	1
13	5490	24	3.9	161	1
14	5490	25	4.2	167	1
15	5490	26	4.8	153	1
16	5490	27	4.1	169	1
17	5490	27	1.2	174	1
18	5490	27	3.3	223	1
19	5490	29	2.6	161	1
20	5490	24	3.5	194	1
21	5530	24	1.6	208	1
22	5530	25	1.6	223	1
23	5530	24	2.8	225	1
24	5530	27	4.4	166	1
25	5530	27	2.8	166	1
26	5530	25	1.7	176	1
27	5530	23	1.2	150	1
28	5530	28	2.3	224	1
29	5530	28	2.4	219	1
30	5530	28	3	218	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	16	9.4	313	1
2	5510	17	6.7	307	1
3	5510	17	9.2	260	1
4	5510	18	7.6	500	1
5	5510	17	8.8	201	1
6	5510	16	9.4	384	1
7	5510	17	6.7	473	1
8	5510	18	7.4	288	1
9	5510	17	6.4	306	1
10	5510	16	7.4	240	1
11	5490	17	6.5	437	1
12	5490	16	6.1	274	1
13	5490	16	9.7	321	1
14	5490	17	9.1	459	1
15	5490	16	8.2	284	1
16	5490	18	7.3	448	0
17	5490	17	6.3	318	1
18	5490	18	8.5	208	1
19	5490	16	9.1	268	1
20	5490	16	8.8	377	0
21	5530	18	7.4	211	1
22	5530	16	7	368	0
23	5530	17	8.3	410	1
24	5530	17	6.4	353	1
25	5530	18	6.3	368	1
26	5530	16	7.7	281	1
27	5530	16	9.8	232	1
28	5530	18	6.8	314	1
29	5530	18	8.7	381	1
30	5530	17	9	296	1
Detection Percentage: 90.0 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	14	12.7	274	1
2	5510	14	13.2	487	1
3	5510	13	15.2	370	1
4	5510	16	16.6	499	1
5	5510	12	15.6	350	1
6	5510	16	18.2	359	1
7	5510	14	12.7	236	0
8	5510	13	18.6	393	1
9	5510	15	16.2	496	1
10	5510	15	16.8	322	1
11	5490	16	18.6	482	1
12	5490	16	11.7	378	1
13	5490	13	13.1	344	1
14	5490	13	13.5	351	1
15	5490	16	13.2	275	1
16	5490	15	12.1	278	1
17	5490	16	17.1	275	1
18	5490	12	17.3	486	1
19	5490	14	18.3	485	1
20	5490	15	16.3	432	1
21	5530	12	17.8	259	1
22	5530	16	11.6	418	1
23	5530	15	12.1	464	1
24	5530	12	11.2	245	1
25	5530	12	16.8	297	1
26	5530	14	11.8	393	1
27	5530	15	19	476	1
28	5530	13	17.9	346	1
29	5530	14	19.9	216	1
30	5530	15	11.7	459	1
Detection Percentage: 96.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5493.4	1
12	5496.2	1
13	5496.2	1
14	5493.8	1
15	5497.4	1
16	5495.8	1
17	5497.0	1
18	5498.2	0
19	5496.2	1
20	5493.0	1
21	5521.0	1
22	5525.0	1
23	5521.8	1
24	5523.0	1
25	5525.0	0
26	5522.6	1
27	5525.4	1
28	5524.6	1
29	5521.4	0
30	5522.6	1
Detection Percentage: 90.0 % (>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	7	65.3	1266	1264	0.078067	
1	2	7	57.1	1554		1.683157	
2	2	7	68	1987		2.300499	
3	2	7	67.2	1172		3.440245	
4	2	7	98.9	1579		4.475219	
5	2	7	87.7	1825		4.967644	
6	2	7	67.6	1578		6.238861	1
7	2	7	87.2	1230		6.787109	
8	2	7	94.8	1485		8.095325	
9	2	7	52	1433		9.219012	
10	1	7	95.5			9.416573	
11	1	7	78.2			10.718998	
12	2	7	73.7	1035		11.818636	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	75.8	1509		0.953318	
1	1	12	55.9			1.480172	
2	2	12	58.2	1628		3.120978	
3	1	12	63			3.682604	
4	2	12	50.8	1401		4.699353	
5	2	12	67.4	1359		5.633032	1
6	2	12	58.3	1786		6.661568	
7	2	12	95.3	1485		7.761715	
8	3	12	97	1431	1692	9.808498	
9	1	12	61.5			10.775753	
10	1	12	92.5			11.52546	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	73.6			0.306419	
1	3	10	82.3	1533	1583	0.823744	
2	3	10	67	1126	1846	1.439318	
3	3	10	62.8	1479	1297	2.064088	
4	2	10	86.2	1134		3.26062	
5	1	10	96.3			3.672404	
6	3	10	68.4	1249	1468	4.46775	
7	3	10	67.8	1286	1906	4.987368	
8	2	10	76	1649		5.759808	
9	2	10	56.1	1898		6.011026	1
10	2	10	66.4	1915		6.909306	
11	2	10	57	1945		7.965697	
12	3	10	55.4	1909	1386	8.189042	
13	2	10	90.1	1775		8.833819	
14	3	10	73.3	1452	1939	9.534046	
15	3	10	69.9	1647	1152	10.342361	
16	2	10	79.9	1722		10.767781	
17	1	10	89.5			11.682103	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	68.5			0.649639	
1	1	15	96.7			1.561559	
2	1	15	96.9			2.747944	
3	2	15	99.4	1764		3.564932	
4	2	15	53.7	1178		4.105882	
5	2	15	78	1159		5.082076	
6	2	15	92	1401		5.631304	1
7	3	15	51.5	1409	1123	7.185144	
8	2	15	59.5	1814		8.15669	
9	1	15	66.9			9.193076	
10	1	15	92.5			9.291103	
11	1	15	77.5			10.816134	
12	2	15	95.7	1199		11.770358	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	57			0.401839	
1	1	7	74.3			0.905425	
2	3	7	96	1131	1711	1.627886	
3	1	7	63.8			2.283409	
4	2	7	92.1	1037		3.328092	
5	2	7	55.1	1781		3.637273	
6	2	7	85.1	1356		4.51933	
7	1	7	58.4			5.088215	
8	2	7	91.5	1747		6.326825	1
9	3	7	62.9	1023	1904	6.89711	
10	2	7	91.8	1846		7.229934	
11	1	7	50.8			8.196629	
12	1	7	96.4			8.979571	
13	1	7	67.3			9.452361	
14	3	7	88.9	1906	1411	10.507249	
15	2	7	61.1	1198		11.160488	
16	1	7	65.3			11.693266	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	98.2	1715	1549	0.006591	
1	1	9	83			1.182684	
2	3	9	91.9	1273	1954	2.868563	
3	1	9	58.4			3.338267	
4	1	9	79.1			4.713419	
5	2	9	75.5	1569		6.45026	1
6	1	9	64.3			7.345587	
7	3	9	58.4	1214	1016	7.676772	
8	2	9	51.6	1480		8.747143	
9	3	9	69.6	1800	1225	10.733603	
10	1	9	73.2			11.677758	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	79.9	1325		0.058779	
1	2	15	66.3	1609		2.447877	
2	3	15	84.6	1810	1152	3.350576	
3	2	15	75.4	1368		4.099646	
4	2	15	62.2	1992		5.997568	1
5	2	15	67.4	1856		7.20383	
6	2	15	78.8	1566		8.964356	
7	1	15	82.6			9.505986	
8	2	15	71.7	1481		11.79389	

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	5	79.3	1688		0.12127	
1	2	5	74.8	1802		1.152082	
2	3	5	61.7	1610	1610	1.619841	
3	1	5	61.3			2.384729	
4	2	5	90.8	1819		2.868067	
5	2	5	54.4	1091		3.923611	
6	2	5	90.8	1029		4.081153	
7	3	5	67	1756	1803	5.197953	
8	3	5	87.6	1512	1154	5.909752	
9	3	5	82	1933	1154	6.508765	1
10	1	5	92.4			7.252641	
11	3	5	87.4	1398	1239	7.362983	
12	2	5	63.4	1743		8.312583	
13	3	5	58.2	1579	1530	8.968095	
14	2	5	58.6	1388		9.508141	
15	2	5	71.2	1837		10.550925	
16	3	5	80.4	1572	1010	11.211781	
17	2	5	54.6	1687		11.609272	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	98.9	1023		0.437442	
1	1	13	77.4			0.859809	
2	3	13	64	1966	1264	1.54468	
3	3	13	67.9	1581	1046	2.485032	
4	2	13	63.1	1470		3.249675	
5	2	13	90.3	1946		4.357702	
6	2	13	70.3	1256		4.634257	
7	2	13	68.6	1905		5.362441	
8	3	13	75.4	1865	1551	6.382017	1
9	3	13	71.8	1792	1987	7.359304	
10	2	13	57	1448		8.203513	
11	3	13	62.9	1653	1701	8.497794	
12	3	13	86.8	1106	1087	9.27846	
13	2	13	87.1	1879		9.815097	
14	1	13	96.2			10.607033	
15	3	13	77.5	1423	1043	11.64676	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	70.4	1707		0.026833	
1	1	7	71.2			1.261115	
2	3	7	69.6	1818	1980	1.860287	
3	3	7	67.8	1745	1327	2.642347	
4	2	7	77.9	1690		3.258076	
5	2	7	65.1	1638		3.974858	
6	2	7	90.8	1620		4.319053	
7	2	7	99.5	1014		5.360246	
8	3	7	90.8	1625	1657	6.240676	1
9	2	7	64.2	1296		6.641901	
10	2	7	72.4	1898		7.392215	
11	3	7	50.9	1199	1764	7.994803	
12	1	7	85.7			8.75702	
13	3	7	97	1224	1063	9.333508	
14	3	7	70.6	1368	1001	10.155326	
15	1	7	60.1			10.708122	
16	2	7	99.7	1803		11.329434	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	66.6			0.61316	
1	2	6	63.5	1839		1.55859	
2	2	6	64.3	1450		3.192921	
3	2	6	72.7	1133		4.502297	
4	2	6	53.4	1381		5.159585	1
5	2	6	83.5	1451		7.056221	
6	3	6	81	1952	1461	8.363439	
7	2	6	89.7	1302		9.153802	
8	2	6	93.3	1541		10.292951	
9	2	6	81.3	1388		11.06612	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	95.2	1752		0.004622	
1	2	6	71	1714		1.606458	
2	2	6	92.4	1703		2.004785	
3	1	6	74.7			3.105215	
4	1	6	65.8			4.579359	
5	1	6	60.5			5.7413	1
6	3	6	94.9	1123	1824	6.862499	
7	3	6	58.4	1719	1626	7.660392	
8	1	6	95.9			8.6296	
9	3	6	89.5	1091	1205	9.445547	
10	1	6	55.1			10.74078	
11	1	6	96			11.033589	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	91.3	1891		0.606726	
1	2	13	73.5	1793		1.619518	
2	3	13	88	1004	1825	2.73746	
3	1	13	79.3			3.625643	
4	1	13	75.5			4.74766	
5	2	13	57.7	1021		6.02854	1
6	2	13	87.6	1837		6.706809	
7	1	13	73.3			7.872597	
8	2	13	73.7	1339		9.458676	
9	1	13	59.6			10.806837	
10	2	13	82.2	1516		11.656997	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	80.4	1017		0.00676	
1	1	7	67.4			1.129981	
2	3	7	57.8	1911	1792	1.764513	
3	3	7	55.8	1111	1266	2.609219	
4	1	7	85.5			3.429879	
5	1	7	53			4.280319	
6	2	7	52.5	1418		5.13184	
7	2	7	61.1	1769		5.716632	
8	2	7	72.9	1028		6.175311	1
9	2	7	98	1761		7.406564	
10	2	7	71	1238		8.103434	
11	2	7	56.7	1667		8.670597	
12	3	7	55.1	1279	1972	9.23681	
13	2	7	61.5	1047		10.250103	
14	2	7	72.6	1308		11.173238	
15	1	7	66.1			11.90228	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	88	1328		0.078045	
1	2	16	85.8	1955		1.897951	
2	2	16	53.3	1117		2.352022	
3	2	16	95	1500		3.75192	
4	3	16	80.6	1715	1101	4.690865	
5	1	16	91.9			5.952898	
6	2	16	52.9	1115		6.577251	1
7	3	16	68.8	1636	1939	7.838691	
8	1	16	74.9			8.717582	
9	3	16	86.3	1307	1315	9.744225	
10	1	16	61.8			10.084954	
11	3	16	84.4	1203	1383	11.201662	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	79	1593		0.090638	
1	2	12	75.5	1452		1.036822	
2	2	12	80.9	1041		2.198547	
3	3	12	95.4	1796	1879	2.486878	
4	2	12	95.4	1364		3.693974	
5	2	12	77.4	1176		3.870465	
6	2	12	99.6	1491		5.15789	
7	2	12	99.8	1986		5.887829	
8	2	12	89.3	1511		6.545539	1
9	3	12	98.9	1380	1567	7.07524	
10	1	12	98.2			7.590584	
11	3	12	51.3	1635	1902	8.821431	
12	2	12	70.3	1137		9.059221	
13	1	12	82.2			10.293872	
14	2	12	78.5	1675		10.997483	
15	2	12	72.9	1023		11.668903	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	65.4			0.241681	
1	2	15	99.8	1822		1.163927	
2	2	15	61.8	1590		1.867387	
3	2	15	76.4	1043		2.471338	
4	3	15	89.2	1816	1084	2.899903	
5	1	15	52.4			3.714482	
6	2	15	62.2	1638		3.813653	
7	1	15	98.4			4.478402	
8	1	15	71.6			5.359045	
9	1	15	88.9			5.903761	1
10	1	15	60.2			6.342627	
11	2	15	87.1	1173		7.340641	
12	1	15	93.5			7.672372	
13	3	15	53.8	1909	1773	8.58402	
14	2	15	86.9	1986		9.348348	
15	3	15	79.8	1383	1375	9.881806	
16	2	15	99.6	1160		10.700463	
17	2	15	57.4	1577		11.185856	
18	2	15	91.2	1190		11.565525	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	89.9	1247	1679	1.227058	
1	2	18	98.9	1624		1.385647	
2	3	18	60.5	1159	1181	2.839345	
3	2	18	77.9	1991		4.087083	
4	2	18	76.1	1425		6.394125	0
5	1	18	89.2			6.767548	
6	2	18	74.5	1813		9.319838	
7	2	18	85.4	1829		9.749004	
8	3	18	78.3	1760	1295	11.002276	

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	13	65.9			0.419725	
1	2	13	93.7	1759		0.852385	
2	3	13	69.9	1355	1654	2.087294	
3	2	13	93.7	1311		2.938743	
4	1	13	93.1			3.565575	
5	3	13	81.9	1671	1411	4.314638	
6	3	13	95.7	1294	1346	5.585542	
7	1	13	65.5			6.30362	1
8	2	13	94.4	1461		6.79239	
9	2	13	50.4	1171		7.201623	
10	2	13	93.5	1397		8.379712	
11	2	13	66.7	1698		9.349906	
12	3	13	62.5	1509	1926	10.07303	
13	2	13	53.2	1330		11.050174	
14	3	13	81.9	1322	1333	11.533741	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	80.2	1553		0.654418	
1	1	5	78.2			1.397286	
2	3	5	94.8	1659	1142	1.662762	
3	2	5	58.8	1498		2.29602	
4	2	5	58.1	1547		2.887174	
5	2	5	91	1114		3.865301	
6	2	5	94.7	1549		4.62101	
7	2	5	75.5	1313		5.280234	
8	1	5	84.5			5.745303	1
9	1	5	89.7			6.593913	
10	2	5	74.2	1620		7.512044	
11	1	5	87.9			8.188835	
12	2	5	90.2	1949		8.843744	
13	3	5	55.8	1619	1492	9.764464	
14	3	5	56	1642	1862	10.446201	
15	3	5	63.4	1067	1843	10.731779	
16	1	5	93.7			11.841646	

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	20	87.5	1456		0.654264	
1	3	20	71.4	1490	1870	1.040641	
2	2	20	65.2	1350		2.124768	
3	2	20	75.6	1814		3.160613	
4	1	20	93.8			3.753525	
5	2	20	52.5	1868		4.716781	
6	2	20	95.9	1299		6.162052	1
7	2	20	55.6	1999		6.989733	
8	1	20	66.3			8.104643	
9	2	20	87.5	1823		8.359433	
10	2	20	71.1	1079		9.955454	
11	2	20	94.6	1933		10.677836	
12	1	20	92.9			11.905734	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	87.1	1566	1809	0.169961	
1	1	10	56.6			1.770512	
2	2	10	59	1856		2.916717	
3	3	10	78.8	1123	1713	3.376253	
4	2	10	76.5	1691		5.239651	
5	2	10	71.4	1928		5.642243	1
6	3	10	95	1156	1996	7.219279	
7	2	10	68.8	1489		8.600697	
8	1	10	73.4			8.853596	
9	3	10	72.4	1362	1310	9.886005	
10	3	10	57.7	1877	1772	11.093005	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	58.4			0.600536	
1	3	18	86.4	1901	1299	1.538551	
2	1	18	89.1			2.463879	
3	3	18	53.1	1405	1829	3.312785	
4	1	18	77.2			4.13266	
5	2	18	68	1497		4.416348	
6	1	18	97.2			5.46881	1
7	1	18	87.8			6.517172	
8	1	18	92.3			7.030721	
9	2	18	89.8	1369		8.123449	
10	1	18	91.1			9.249982	
11	2	18	95.6	1635		9.835096	
12	2	18	60.2	1964		10.663203	
13	3	18	97.4	1714	1616	11.402163	

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	15	82.8	1616		0.18528	
1	2	15	81.6	1312		0.742189	
2	1	15	96.4			1.353477	
3	2	15	88.1	1757		2.291602	
4	2	15	99.1	1500		2.878545	
5	1	15	92.4			3.226864	
6	1	15	51.6			3.808173	
7	3	15	82.5	1159	1020	4.46164	
8	3	15	82	1663	1737	4.874113	
9	2	15	86	1416		5.954508	
10	2	15	78.6	1153		6.429076	1
11	3	15	52.8	1162	1281	6.876733	
12	1	15	50.3			7.661755	
13	3	15	73.1	1028	1859	8.153869	
14	2	15	91.1	1519		8.703756	
15	2	15	68.4	1833		9.37345	
16	2	15	90.2	1459		9.884731	
17	3	15	60.5	1788	1911	10.215376	
18	2	15	91.6	1971		11.24293	
19	1	15	81			11.529088	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	52.5	1007		0.22987	
1	3	10	79	1642	1572	1.552133	
2	1	10	68.9			2.989872	
3	2	10	82.3	1205		3.876006	
4	2	10	69.3	1483		4.24655	
5	2	10	75.5	1907		5.988618	0
6	2	10	69.3	1664		6.413513	
7	2	10	60.8	1146		7.312497	
8	1	10	96.3			8.441292	
9	3	10	80.3	1800	1474	9.688882	
10	1	10	75.2			10.176472	
11	1	10	68.7			11.575163	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	89.2	1691		0.217199	
1	3	16	56.3	1922	1387	1.205593	
2	2	16	87.2	1046		1.862946	
3	2	16	76.6	1417		2.287633	
4	3	16	51.5	1240	1515	2.829397	
5	2	16	73.1	1517		3.260346	
6	3	16	83.7	1124	1271	4.265955	
7	3	16	62.4	1593	1061	4.525519	
8	1	16	63.3			5.367169	
9	3	16	62.3	1462	1448	6.262374	1
10	2	16	85	1652		6.879747	
11	1	16	52.5			7.376532	
12	1	16	50.5			7.721056	
13	3	16	61	1569	1739	8.825142	
14	2	16	67.2	1772		8.890156	
15	1	16	74.9			10.028945	
16	2	16	77.5	1282		10.29028	
17	1	16	75.4			11.025148	
18	1	16	83.3			11.47573	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	97.5	1626	1615	1.347273	
1	1	9	64.5			1.831661	
2	2	9	93.7	1110		3.565526	
3	2	9	88.7	1891		5.620575	
4	2	9	62.9	1391		6.655573	1
5	2	9	90.4	1437		7.745186	
6	2	9	84.5	1451		9.68142	
7	3	9	74.6	1142	1045	11.272037	

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	11	84.9	1433	1059	0.118236	
1	2	11	70.4	1422		0.851936	
2	3	11	62.5	1621	1655	1.923013	
3	1	11	57			2.479801	
4	2	11	91.9	1422		3.519461	
5	3	11	92.7	1918	1883	3.682493	
6	2	11	84.8	1698		4.785344	
7	2	11	77.7	1198		5.546841	
8	2	11	83.5	1814		5.676583	1
9	3	11	55.3	1640	1982	6.887171	
10	3	11	63.9	1178	1868	7.088425	
11	2	11	96.8	1150		8.007331	
12	1	11	79.8			8.524121	
13	3	11	76.7	1958	1499	9.305404	
14	2	11	86.9	1629		10.457326	
15	2	11	92.7	1137		11.138789	
16	3	11	59.5	1738	1220	11.832954	

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	19	68.3			0.95123	
1	2	19	57.9	1483		1.303044	
2	3	19	53.4	1040	1218	2.491884	
3	3	19	66.6	1423	1758	3.659722	
4	2	19	51.2	1999		4.071371	
5	2	19	95.2	1743		5.976927	0
6	2	19	79	1225		6.486133	
7	3	19	88	1454	1335	7.000778	
8	1	19	68.2			8.359801	
9	2	19	68.9	1698		9.473844	
10	3	19	77.6	1646	1431	10.692928	
11	1	19	54.9			11.672683	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	77.7			0.88068	
1	2	16	79.8	1614		1.261506	
2	2	16	79.3	1556		2.291081	
3	1	16	67.1			3.950586	
4	2	16	87.5	1219		4.709033	
5	2	16	61.6	1173		5.540084	1
6	2	16	66.4	1344		6.746329	
7	3	16	99.5	1699	1798	8.028898	
8	1	16	89.5			9.293101	
9	2	16	84.1	1079		10.208579	
10	2	16	98	1286		11.366316	

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	5434.0, 5290.0, 5546.0, 5704.0, 5268.0, 5336.0, 5386.0, 5389.0, 5465.0, 5707.0, 5660.0, 5636.0, 5326.0, 5521.0, 5404.0, 5259.0, 5429.0, 5472.0, 5481.0, 5292.0, 5339.0, 5282.0, 5321.0, 5652.0, 5499.0, 5379.0, 5569.0, 5586.0, 5640.0, 5444.0, 5359.0, 5265.0, 5568.0, 5666.0, 5449.0, 5501.0, 5329.0, 5266.0, 5255.0, 5683.0, 5651.0, 5451.0, 5634.0, 5279.0, 5391.0, 5477.0, 5308.0, 5555.0, 5288.0, 5461.0, 5332.0, 5493.0, 5411.0, 5262.0, 5649.0, 5422.0, 5604.0, 5503.0, 5327.0, 5685.0, 5617.0, 5593.0, 5613.0, 5488.0, 5497.0, 5361.0, 5607.0, 5594.0, 5688.0, 5631.0, 5309.0, 5615.0, 5407.0, 5478.0, 5672.0, 5581.0, 5349.0, 5491.0, 5355.0, 5482.0, 5439.0, 5639.0, 5657.0, 5298.0, 5509.0, 5267.0, 5529.0, 5558.0, 5632.0, 5313.0, 5694.0, 5291.0, 5311.0, 5605.0, 5543.0, 5669.0, 5408.0, 5382.0, 5629.0, 5436.0 (number of hits: 8)
2	5510	9	1	333	1	5414.0, 5399.0, 5683.0, 5351.0, 5649.0, 5458.0, 5389.0, 5648.0, 5380.0, 5700.0, 5358.0, 5539.0, 5474.0, 5405.0, 5464.0, 5653.0, 5647.0, 5473.0, 5554.0, 5294.0, 5616.0, 5311.0, 5642.0, 5274.0, 5343.0, 5254.0, 5263.0, 5662.0, 5383.0, 5667.0, 5550.0, 5710.0, 5575.0, 5679.0, 5492.0, 5511.0, 5638.0, 5275.0, 5572.0, 5645.0, 5536.0, 5255.0, 5433.0, 5402.0, 5295.0, 5278.0, 5532.0, 5508.0, 5428.0, 5363.0, 5393.0, 5655.0, 5452.0, 5415.0, 5560.0, 5651.0, 5366.0, 5478.0, 5257.0, 5429.0, 5269.0, 5287.0, 5631.0, 5268.0, 5374.0, 5290.0, 5321.0, 5373.0, 5328.0, 5252.0, 5465.0, 5472.0, 5669.0, 5329.0, 5714.0, 5599.0, 5614.0, 5281.0, 5562.0, 5626.0, 5623.0, 5261.0, 5497.0, 5518.0, 5709.0, 5624.0, 5496.0, 5632.0, 5548.0, 5691.0, 5355.0, 5445.0, 5490.0, 5297.0, 5369.0, 5353.0, 5338.0, 5284.0, 5703.0, 5446.0 (number of hits: 6)
3	5510	9	1	333	1	5582.0, 5449.0, 5456.0, 5405.0, 5719.0, 5352.0, 5439.0, 5356.0, 5584.0, 5348.0, 5579.0, 5531.0, 5502.0, 5662.0, 5434.0, 5475.0, 5523.0, 5650.0, 5385.0, 5273.0, 5328.0, 5457.0, 5717.0, 5613.0, 5452.0, 5419.0, 5636.0, 5265.0, 5618.0, 5268.0, 5341.0, 5354.0, 5669.0, 5314.0, 5447.0, 5488.0, 5707.0, 5695.0, 5612.0, 5379.0, 5383.0, 5621.0, 5602.0, 5349.0, 5628.0, 5500.0, 5619.0, 5526.0, 5694.0, 5264.0, 5281.0, 5588.0, 5309.0, 5596.0, 5562.0, 5317.0, 5605.0, 5288.0, 5668.0, 5698.0,

						5676.0, 5497.0, 5715.0, 5563.0, 5656.0, 5346.0, 5587.0, 5448.0, 5696.0, 5663.0, 5414.0, 5271.0, 5291.0, 5505.0, 5657.0, 5693.0, 5641.0, 5494.0, 5498.0, 5487.0, 5326.0, 5321.0, 5454.0, 5620.0, 5692.0, 5389.0, 5464.0, 5262.0, 5406.0, 5480.0, 5630.0, 5322.0, 5402.0, 5684.0, 5311.0, 5320.0, 5633.0, 5330.0, 5508.0, 5609.0 (number of hits: 9)
4	5510	9	1	333	1	5496.0, 5322.0, 5286.0, 5418.0, 5494.0, 5616.0, 5461.0, 5653.0, 5369.0, 5387.0, 5634.0, 5681.0, 5611.0, 5405.0, 5363.0, 5398.0, 5630.0, 5668.0, 5357.0, 5671.0, 5517.0, 5263.0, 5717.0, 5688.0, 5661.0, 5366.0, 5586.0, 5382.0, 5660.0, 5519.0, 5693.0, 5300.0, 5704.0, 5356.0, 5435.0, 5709.0, 5453.0, 5402.0, 5723.0, 5323.0, 5707.0, 5631.0, 5700.0, 5690.0, 5551.0, 5554.0, 5604.0, 5533.0, 5489.0, 5587.0, 5710.0, 5650.0, 5706.0, 5553.0, 5367.0, 5383.0, 5659.0, 5505.0, 5466.0, 5547.0, 5273.0, 5335.0, 5328.0, 5266.0, 5354.0, 5251.0, 5669.0, 5573.0, 5470.0, 5658.0, 5258.0, 5326.0, 5585.0, 5472.0, 5647.0, 5358.0, 5289.0, 5686.0, 5471.0, 5648.0, 5463.0, 5270.0, 5396.0, 5298.0, 5632.0, 5544.0, 5656.0, 5392.0, 5349.0, 5689.0, 5301.0, 5441.0, 5386.0, 5557.0, 5624.0, 5516.0, 5413.0, 5714.0, 5277.0, 5294.0 (number of hits: 6)
5	5510	9	1	333	1	5443.0, 5517.0, 5698.0, 5278.0, 5448.0, 5341.0, 5679.0, 5531.0, 5334.0, 5464.0, 5652.0, 5660.0, 5444.0, 5467.0, 5277.0, 5528.0, 5714.0, 5671.0, 5299.0, 5359.0, 5424.0, 5500.0, 5664.0, 5368.0, 5316.0, 5708.0, 5516.0, 5333.0, 5292.0, 5250.0, 5317.0, 5438.0, 5309.0, 5643.0, 5497.0, 5335.0, 5665.0, 5428.0, 5696.0, 5625.0, 5482.0, 5478.0, 5513.0, 5504.0, 5669.0, 5363.0, 5670.0, 5602.0, 5295.0, 5720.0, 5581.0, 5352.0, 5378.0, 5414.0, 5562.0, 5284.0, 5506.0, 5257.0, 5576.0, 5402.0, 5302.0, 5722.0, 5470.0, 5494.0, 5585.0, 5636.0, 5314.0, 5408.0, 5285.0, 5342.0, 5411.0, 5598.0, 5685.0, 5255.0, 5298.0, 5360.0, 5691.0, 5268.0, 5390.0, 5548.0, 5592.0, 5580.0, 5321.0, 5503.0, 5382.0, 5475.0, 5458.0, 5373.0, 5626.0, 5573.0, 5420.0, 5453.0, 5267.0, 5525.0, 5361.0, 5543.0, 5350.0, 5305.0, 5655.0, 5678.0 (number of hits: 11)
6	5510	9	1	333	1	5627.0, 5267.0, 5278.0, 5698.0, 5576.0, 5409.0, 5358.0, 5369.0, 5276.0, 5623.0, 5510.0, 5414.0, 5487.0, 5362.0, 5354.0, 5658.0, 5561.0, 5254.0, 5581.0, 5679.0, 5464.0, 5587.0, 5292.0, 5298.0, 5608.0, 5288.0, 5389.0, 5386.0, 5559.0, 5519.0, 5586.0, 5574.0, 5321.0, 5620.0, 5263.0, 5492.0, 5528.0, 5265.0, 5685.0, 5450.0,

Fortinet, Inc.   FCC ID: TVE-241BC041 , IC: 7280B-241BC041

						5332.0, 5622.0, 5592.0, 5374.0, 5594.0, 5472.0, 5692.0, 5677.0, 5259.0, 5398.0, 5529.0, 5360.0, 5666.0, 5652.0, 5417.0, 5253.0, 5526.0, 5572.0, 5499.0, 5632.0, 5270.0, 5455.0, 5670.0, 5521.0, 5478.0, 5719.0, 5320.0, 5629.0, 5642.0, 5376.0, 5590.0, 5262.0, 5695.0, 5297.0, 5312.0, 5614.0, 5596.0, 5365.0, 5636.0, 5305.0, 5536.0, 5562.0, 5419.0, 5703.0, 5364.0, 5580.0, 5635.0, 5380.0, 5308.0, 5645.0, 5456.0, 5356.0, 5537.0, 5459.0, 5366.0, 5441.0, 5527.0, 5691.0, 5429.0, 5371.0 (number of hits: 8)
7	5510	9	1	333	1	5721.0, 5456.0, 5356.0, 5678.0, 5640.0, 5639.0, 5666.0, 5473.0, 5466.0, 5557.0, 5283.0, 5323.0, 5499.0, 5622.0, 5660.0, 5668.0, 5445.0, 5296.0, 5381.0, 5428.0, 5565.0, 5699.0, 5354.0, 5276.0, 5558.0, 5591.0, 5490.0, 5294.0, 5711.0, 5597.0, 5667.0, 5516.0, 5345.0, 5439.0, 5643.0, 5722.0, 5572.0, 5549.0, 5544.0, 5526.0, 5346.0, 5519.0, 5515.0, 5578.0, 5635.0, 5628.0, 5618.0, 5353.0, 5338.0, 5435.0, 5322.0, 5329.0, 5472.0, 5537.0, 5441.0, 5570.0, 5623.0, 5540.0, 5413.0, 5612.0, 5590.0, 5406.0, 5489.0, 5644.0, 5648.0, 5405.0, 5366.0, 5410.0, 5520.0, 5374.0, 5287.0, 5562.0, 5269.0, 5717.0, 5629.0, 5268.0, 5336.0, 5264.0, 5315.0, 5252.0, 5401.0, 5358.0, 5534.0, 5691.0, 5342.0, 5498.0, 5417.0, 5575.0, 5657.0, 5383.0, 5695.0, 5453.0, 5707.0, 5440.0, 5637.0, 5529.0, 5272.0, 5312.0, 5368.0, 5615.0 (number of hits: 7)
8	5510	9	1	333	1	5526.0, 5558.0, 5637.0, 5272.0, 5514.0, 5461.0, 5437.0, 5483.0, 5602.0, 5318.0, 5505.0, 5608.0, 5416.0, 5710.0, 5561.0, 5259.0, 5281.0, 5586.0, 5433.0, 5286.0, 5511.0, 5254.0, 5676.0, 5314.0, 5409.0, 5268.0, 5570.0, 5498.0, 5457.0, 5525.0, 5308.0, 5324.0, 5256.0, 5328.0, 5434.0, 5674.0, 5273.0, 5677.0, 5579.0, 5456.0, 5527.0, 5626.0, 5557.0, 5264.0, 5302.0, 5311.0, 5591.0, 5624.0, 5479.0, 5484.0, 5257.0, 5642.0, 5688.0, 5560.0, 5366.0, 5587.0, 5266.0, 5312.0, 5689.0, 5486.0, 5353.0, 5298.0, 5269.0, 5530.0, 5473.0, 5534.0, 5372.0, 5290.0, 5485.0, 5398.0, 5428.0, 5292.0, 5509.0, 5327.0, 5565.0, 5604.0, 5634.0, 5472.0, 5365.0, 5417.0, 5307.0, 5348.0, 5339.0, 5596.0, 5551.0, 5657.0, 5371.0, 5330.0, 5663.0, 5340.0, 5378.0, 5706.0, 5541.0, 5697.0, 5590.0, 5341.0, 5303.0, 5574.0, 5573.0, 5685.0 (number of hits: 8)
9	5510	9	1	333	1	5426.0, 5283.0, 5620.0, 5634.0, 5484.0, 5437.0, 5375.0, 5473.0, 5452.0, 5379.0, 5521.0, 5455.0, 5572.0, 5537.0, 5436.0, 5390.0, 5414.0, 5678.0, 5591.0, 5467.0,

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						5354.0, 5446.0, 5255.0, 5292.0, 5307.0, 5321.0, 5294.0, 5429.0, 5370.0, 5431.0, 5408.0, 5478.0, 5320.0, 5287.0, 5664.0, 5528.0, 5676.0, 5612.0, 5722.0, 5674.0, 5251.0, 5642.0, 5349.0, 5495.0, 5629.0, 5393.0, 5617.0, 5353.0, 5688.0, 5581.0, 5386.0, 5395.0, 5540.0, 5564.0, 5358.0, 5577.0, 5459.0, 5633.0, 5662.0, 5631.0, 5382.0, 5718.0, 5686.0, 5516.0, 5707.0, 5400.0, 5410.0, 5424.0, 5542.0, 5514.0, 5539.0, 5445.0, 5387.0, 5271.0, 5357.0, 5465.0, 5530.0, 5616.0, 5496.0, 5361.0, 5692.0, 5418.0, 5691.0, 5708.0, 5630.0, 5554.0, 5559.0, 5326.0, 5404.0, 5518.0, 5486.0, 5302.0, 5267.0, 5470.0, 5523.0, 5683.0, 5380.0, 5524.0, 5423.0, 5378.0 (number of hits: 9)
10	5510	9	1	333	1	5341.0, 5317.0, 5626.0, 5374.0, 5654.0, 5325.0, 5608.0, 5434.0, 5420.0, 5677.0, 5619.0, 5589.0, 5668.0, 5279.0, 5454.0, 5692.0, 5360.0, 5680.0, 5464.0, 5627.0, 5287.0, 5322.0, 5598.0, 5441.0, 5557.0, 5461.0, 5427.0, 5481.0, 5719.0, 5347.0, 5664.0, 5576.0, 5353.0, 5351.0, 5411.0, 5501.0, 5547.0, 5679.0, 5319.0, 5513.0, 5683.0, 5596.0, 5333.0, 5504.0, 5475.0, 5276.0, 5494.0, 5534.0, 5465.0, 5678.0, 5269.0, 5643.0, 5641.0, 5694.0, 5716.0, 5545.0, 5651.0, 5658.0, 5593.0, 5253.0, 5710.0, 5426.0, 5685.0, 5525.0, 5401.0, 5352.0, 5337.0, 5328.0, 5491.0, 5456.0, 5630.0, 5378.0, 5479.0, 5392.0, 5568.0, 5343.0, 5435.0, 5471.0, 5671.0, 5563.0, 5533.0, 5428.0, 5383.0, 5580.0, 5538.0, 5606.0, 5594.0, 5681.0, 5620.0, 5372.0, 5447.0, 5637.0, 5301.0, 5687.0, 5313.0, 5524.0, 5370.0, 5509.0, 5690.0, 5623.0 (number of hits: 8)
11	5490	9	1	333	1	5429.0, 5572.0, 5385.0, 5422.0, 5400.0, 5592.0, 5628.0, 5395.0, 5713.0, 5494.0, 5629.0, 5369.0, 5319.0, 5279.0, 5637.0, 5336.0, 5316.0, 5686.0, 5677.0, 5694.0, 5402.0, 5506.0, 5641.0, 5541.0, 5514.0, 5542.0, 5479.0, 5284.0, 5390.0, 5347.0, 5528.0, 5394.0, 5525.0, 5631.0, 5457.0, 5491.0, 5546.0, 5530.0, 5468.0, 5545.0, 5613.0, 5333.0, 5589.0, 5640.0, 5616.0, 5635.0, 5574.0, 5330.0, 5324.0, 5387.0, 5404.0, 5293.0, 5630.0, 5679.0, 5644.0, 5266.0, 5325.0, 5484.0, 5465.0, 5252.0, 5611.0, 5318.0, 5626.0, 5386.0, 5473.0, 5443.0, 5634.0, 5416.0, 5661.0, 5720.0, 5544.0, 5695.0, 5622.0, 5696.0, 5348.0, 5362.0, 5470.0, 5585.0, 5688.0, 5488.0, 5413.0, 5540.0, 5508.0, 5257.0, 5602.0, 5383.0, 5342.0, 5401.0, 5716.0, 5264.0, 5605.0, 5411.0, 5439.0, 5551.0, 5624.0, 5442.0, 5672.0, 5656.0, 5289.0, 5691.0 (number of hits: 8)

12	5490	9	1	333	1	5710.0, 5259.0, 5579.0, 5532.0, 5417.0, 5368.0, 5397.0, 5344.0, 5683.0, 5384.0, 5515.0, 5575.0, 5283.0, 5561.0, 5518.0, 5720.0, 5457.0, 5394.0, 5451.0, 5405.0, 5437.0, 5694.0, 5514.0, 5685.0, 5525.0, 5664.0, 5723.0, 5442.0, 5324.0, 5691.0, 5629.0, 5675.0, 5320.0, 5398.0, 5323.0, 5410.0, 5504.0, 5678.0, 5369.0, 5568.0, 5432.0, 5667.0, 5528.0, 5585.0, 5562.0, 5464.0, 5412.0, 5656.0, 5322.0, 5563.0, 5407.0, 5453.0, 5270.0, 5616.0, 5531.0, 5326.0, 5367.0, 5304.0, 5339.0, 5406.0, 5403.0, 5676.0, 5440.0, 5422.0, 5419.0, 5473.0, 5612.0, 5431.0, 5289.0, 5315.0, 5527.0, 5503.0, 5487.0, 5486.0, 5718.0, 5491.0, 5423.0, 5665.0, 5350.0, 5553.0, 5613.0, 5387.0, 5471.0, 5713.0, 5618.0, 5479.0, 5449.0, 5625.0, 5702.0, 5353.0, 5567.0, 5378.0, 5365.0, 5296.0, 5495.0, 5642.0, 5266.0, 5345.0, 5588.0, 5295.0 (number of hits: 9)
13	5490	9	1	333	1	5462.0, 5519.0, 5395.0, 5664.0, 5606.0, 5310.0, 5267.0, 5497.0, 5550.0, 5270.0, 5567.0, 5643.0, 5588.0, 5526.0, 5370.0, 5423.0, 5252.0, 5661.0, 5251.0, 5380.0, 5539.0, 5410.0, 5329.0, 5412.0, 5422.0, 5577.0, 5474.0, 5656.0, 5630.0, 5343.0, 5541.0, 5694.0, 5358.0, 5543.0, 5549.0, 5419.0, 5416.0, 5322.0, 5336.0, 5545.0, 5516.0, 5428.0, 5314.0, 5289.0, 5705.0, 5723.0, 5582.0, 5444.0, 5305.0, 5286.0, 5626.0, 5627.0, 5658.0, 5250.0, 5560.0, 5288.0, 5443.0, 5292.0, 5573.0, 5392.0, 5696.0, 5436.0, 5716.0, 5378.0, 5332.0, 5263.0, 5513.0, 5670.0, 5484.0, 5590.0, 5396.0, 5506.0, 5579.0, 5273.0, 5608.0, 5385.0, 5315.0, 5575.0, 5571.0, 5639.0, 5678.0, 5272.0, 5711.0, 5645.0, 5707.0, 5528.0, 5496.0, 5503.0, 5610.0, 5471.0, 5366.0, 5331.0, 5576.0, 5628.0, 5437.0, 5320.0, 5468.0, 5537.0, 5592.0, 5652.0 (number of hits: 7)
14	5490	9	1	333	1	5462.0, 5258.0, 5287.0, 5454.0, 5295.0, 5657.0, 5429.0, 5382.0, 5403.0, 5298.0, 5308.0, 5617.0, 5542.0, 5549.0, 5600.0, 5495.0, 5288.0, 5343.0, 5307.0, 5706.0, 5425.0, 5333.0, 5349.0, 5711.0, 5615.0, 5701.0, 5537.0, 5502.0, 5335.0, 5675.0, 5482.0, 5396.0, 5698.0, 5271.0, 5329.0, 5400.0, 5388.0, 5597.0, 5378.0, 5500.0, 5691.0, 5527.0, 5551.0, 5598.0, 5665.0, 5411.0, 5498.0, 5263.0, 5423.0, 5575.0, 5721.0, 5647.0, 5662.0, 5404.0, 5350.0, 5595.0, 5374.0, 5511.0, 5590.0, 5622.0, 5573.0, 5649.0, 5420.0, 5282.0, 5438.0, 5682.0, 5440.0, 5722.0, 5316.0, 5583.0, 5645.0, 5642.0, 5541.0, 5394.0, 5666.0, 5713.0, 5566.0, 5393.0, 5432.0, 5279.0, 5363.0, 5534.0, 5340.0, 5413.0, 5630.0,

						5724.0, 5304.0, 5679.0, 5584.0, 5406.0, 5578.0, 5610.0, 5492.0, 5487.0, 5319.0, 5311.0, 5499.0, 5299.0, 5683.0, 5632.0 (number of hits: 8)
15	5490	9	1	333	1	5423.0, 5395.0, 5532.0, 5451.0, 5325.0, 5344.0, 5285.0, 5723.0, 5690.0, 5442.0, 5331.0, 5257.0, 5584.0, 5528.0, 5629.0, 5631.0, 5350.0, 5498.0, 5468.0, 5537.0, 5570.0, 5389.0, 5599.0, 5522.0, 5510.0, 5601.0, 5367.0, 5347.0, 5398.0, 5361.0, 5327.0, 5615.0, 5302.0, 5637.0, 5554.0, 5664.0, 5658.0, 5449.0, 5527.0, 5426.0, 5450.0, 5383.0, 5309.0, 5292.0, 5696.0, 5480.0, 5701.0, 5315.0, 5393.0, 5391.0, 5653.0, 5632.0, 5686.0, 5714.0, 5613.0, 5665.0, 5464.0, 5641.0, 5419.0, 5441.0, 5460.0, 5345.0, 5662.0, 5484.0, 5544.0, 5679.0, 5333.0, 5650.0, 5606.0, 5715.0, 5497.0, 5474.0, 5571.0, 5258.0, 5435.0, 5412.0, 5382.0, 5624.0, 5652.0, 5457.0, 5602.0, 5287.0, 5356.0, 5259.0, 5669.0, 5491.0, 5648.0, 5321.0, 5396.0, 5656.0, 5365.0, 5529.0, 5591.0, 5512.0, 5697.0, 5289.0, 5373.0, 5692.0, 5384.0, 5543.0 (number of hits: 6)
16	5490	9	1	333	1	5377.0, 5496.0, 5403.0, 5704.0, 5703.0, 5340.0, 5562.0, 5538.0, 5582.0, 5650.0, 5429.0, 5436.0, 5550.0, 5366.0, 5677.0, 5575.0, 5317.0, 5388.0, 5695.0, 5592.0, 5552.0, 5541.0, 5658.0, 5357.0, 5322.0, 5491.0, 5277.0, 5685.0, 5718.0, 5513.0, 5610.0, 5600.0, 5443.0, 5455.0, 5642.0, 5626.0, 5640.0, 5694.0, 5507.0, 5265.0, 5500.0, 5585.0, 5326.0, 5639.0, 5603.0, 5598.0, 5280.0, 5653.0, 5645.0, 5690.0, 5439.0, 5573.0, 5537.0, 5387.0, 5533.0, 5713.0, 5606.0, 5485.0, 5362.0, 5293.0, 5421.0, 5714.0, 5338.0, 5390.0, 5611.0, 5707.0, 5318.0, 5368.0, 5305.0, 5409.0, 5269.0, 5526.0, 5297.0, 5354.0, 5423.0, 5396.0, 5440.0, 5399.0, 5395.0, 5355.0, 5622.0, 5577.0, 5591.0, 5662.0, 5397.0, 5696.0, 5394.0, 5663.0, 5466.0, 5412.0, 5623.0, 5580.0, 5617.0, 5691.0, 5666.0, 5482.0, 5494.0, 5566.0, 5616.0, 5442.0 (number of hits: 7)
17	5490	9	1	333	1	5447.0, 5437.0, 5541.0, 5425.0, 5303.0, 5678.0, 5551.0, 5509.0, 5351.0, 5682.0, 5676.0, 5295.0, 5704.0, 5258.0, 5461.0, 5432.0, 5613.0, 5284.0, 5585.0, 5330.0, 5391.0, 5652.0, 5360.0, 5376.0, 5493.0, 5497.0, 5671.0, 5673.0, 5339.0, 5633.0, 5637.0, 5460.0, 5684.0, 5717.0, 5657.0, 5490.0, 5259.0, 5473.0, 5481.0, 5668.0, 5519.0, 5620.0, 5313.0, 5362.0, 5333.0, 5277.0, 5581.0, 5627.0, 5311.0, 5675.0, 5645.0, 5715.0, 5354.0, 5346.0, 5698.0, 5536.0, 5583.0, 5395.0, 5662.0, 5687.0, 5470.0, 5336.0, 5642.0, 5696.0, 5683.0,

						5465.0, 5377.0, 5558.0, 5449.0, 5426.0, 5397.0, 5420.0, 5636.0, 5411.0, 5424.0, 5680.0, 5301.0, 5550.0, 5464.0, 5334.0, 5294.0, 5448.0, 5264.0, 5523.0, 5267.0, 5622.0, 5368.0, 5407.0, 5318.0, 5468.0, 5404.0, 5444.0, 5705.0, 5513.0, 5297.0, 5654.0, 5274.0, 5577.0, 5443.0, 5647.0 (number of hits: 5)
18	5490	9	1	333	1	5348.0, 5389.0, 5416.0, 5362.0, 5396.0, 5357.0, 5352.0, 5498.0, 5459.0, 5542.0, 5657.0, 5703.0, 5574.0, 5533.0, 5500.0, 5311.0, 5257.0, 5271.0, 5648.0, 5475.0, 5414.0, 5667.0, 5529.0, 5592.0, 5402.0, 5568.0, 5266.0, 5546.0, 5364.0, 5307.0, 5421.0, 5674.0, 5610.0, 5554.0, 5711.0, 5566.0, 5702.0, 5301.0, 5548.0, 5265.0, 5619.0, 5335.0, 5478.0, 5390.0, 5435.0, 5474.0, 5451.0, 5359.0, 5557.0, 5699.0, 5330.0, 5371.0, 5469.0, 5380.0, 5651.0, 5485.0, 5465.0, 5510.0, 5612.0, 5394.0, 5442.0, 5302.0, 5572.0, 5569.0, 5594.0, 5386.0, 5577.0, 5527.0, 5250.0, 5254.0, 5560.0, 5313.0, 5684.0, 5656.0, 5316.0, 5397.0, 5553.0, 5281.0, 5398.0, 5317.0, 5649.0, 5419.0, 5624.0, 5491.0, 5293.0, 5415.0, 5661.0, 5567.0, 5278.0, 5642.0, 5611.0, 5470.0, 5586.0, 5528.0, 5436.0, 5334.0, 5289.0, 5639.0, 5448.0, 5272.0 (number of hits: 7)
19	5490	9	1	333	1	5254.0, 5618.0, 5274.0, 5698.0, 5720.0, 5338.0, 5446.0, 5623.0, 5318.0, 5287.0, 5583.0, 5631.0, 5297.0, 5352.0, 5551.0, 5272.0, 5292.0, 5676.0, 5589.0, 5441.0, 5528.0, 5494.0, 5355.0, 5452.0, 5721.0, 5591.0, 5655.0, 5320.0, 5519.0, 5278.0, 5263.0, 5498.0, 5610.0, 5460.0, 5368.0, 5546.0, 5682.0, 5308.0, 5490.0, 5310.0, 5404.0, 5723.0, 5326.0, 5401.0, 5561.0, 5701.0, 5487.0, 5606.0, 5305.0, 5282.0, 5365.0, 5510.0, 5695.0, 5600.0, 5296.0, 5280.0, 5484.0, 5389.0, 5603.0, 5681.0, 5357.0, 5611.0, 5644.0, 5699.0, 5511.0, 5364.0, 5690.0, 5577.0, 5593.0, 5391.0, 5607.0, 5543.0, 5283.0, 5399.0, 5337.0, 5394.0, 5678.0, 5466.0, 5381.0, 5382.0, 5505.0, 5514.0, 5648.0, 5262.0, 5420.0, 5284.0, 5660.0, 5256.0, 5356.0, 5303.0, 5367.0, 5375.0, 5538.0, 5686.0, 5397.0, 5605.0, 5570.0, 5421.0, 5449.0, 5722.0 (number of hits: 6)
20	5490	9	1	333	1	5574.0, 5609.0, 5299.0, 5446.0, 5411.0, 5466.0, 5604.0, 5378.0, 5515.0, 5561.0, 5415.0, 5383.0, 5592.0, 5700.0, 5311.0, 5572.0, 5608.0, 5295.0, 5425.0, 5697.0, 5640.0, 5456.0, 5499.0, 5684.0, 5343.0, 5513.0, 5423.0, 5618.0, 5724.0, 5514.0, 5633.0, 5490.0, 5304.0, 5286.0, 5654.0, 5288.0, 5338.0, 5621.0, 5528.0, 5540.0, 5617.0, 5308.0, 5520.0, 5431.0, 5406.0,

						5554.0, 5712.0, 5602.0, 5321.0, 5356.0, 5655.0, 5581.0, 5477.0, 5547.0, 5368.0, 5571.0, 5530.0, 5256.0, 5623.0, 5616.0, 5698.0, 5531.0, 5375.0, 5557.0, 5643.0, 5340.0, 5704.0, 5377.0, 5525.0, 5257.0, 5566.0, 5439.0, 5656.0, 5440.0, 5707.0, 5300.0, 5478.0, 5348.0, 5372.0, 5344.0, 5350.0, 5579.0, 5722.0, 5370.0, 5626.0, 5639.0, 5635.0, 5394.0, 5261.0, 5264.0, 5713.0, 5292.0, 5486.0, 5681.0, 5351.0, 5263.0, 5696.0, 5680.0, 5341.0, 5352.0 (number of hits: 5)
21	5530	9	1	333	1	5550.0, 5521.0, 5289.0, 5685.0, 5503.0, 5411.0, 5490.0, 5675.0, 5580.0, 5277.0, 5445.0, 5513.0, 5576.0, 5574.0, 5592.0, 5699.0, 5614.0, 5651.0, 5504.0, 5649.0, 5342.0, 5558.0, 5391.0, 5660.0, 5485.0, 5421.0, 5695.0, 5547.0, 5258.0, 5264.0, 5489.0, 5494.0, 5417.0, 5380.0, 5658.0, 5571.0, 5357.0, 5390.0, 5374.0, 5570.0, 5666.0, 5311.0, 5567.0, 5408.0, 5581.0, 5323.0, 5652.0, 5593.0, 5387.0, 5478.0, 5601.0, 5392.0, 5474.0, 5575.0, 5338.0, 5440.0, 5371.0, 5679.0, 5626.0, 5491.0, 5303.0, 5646.0, 5583.0, 5549.0, 5495.0, 5283.0, 5507.0, 5527.0, 5484.0, 5404.0, 5321.0, 5616.0, 5266.0, 5409.0, 5634.0, 5506.0, 5624.0, 5332.0, 5505.0, 5438.0, 5314.0, 5661.0, 5468.0, 5447.0, 5610.0, 5707.0, 5537.0, 5446.0, 5320.0, 5428.0, 5420.0, 5568.0, 5659.0, 5479.0, 5689.0, 5629.0, 5301.0, 5443.0, 5598.0, 5613.0 (number of hits: 5)
22	5530	9	1	333	1	5485.0, 5581.0, 5555.0, 5334.0, 5452.0, 5468.0, 5711.0, 5283.0, 5484.0, 5343.0, 5482.0, 5679.0, 5588.0, 5376.0, 5494.0, 5472.0, 5560.0, 5473.0, 5393.0, 5586.0, 5502.0, 5370.0, 5252.0, 5311.0, 5665.0, 5525.0, 5699.0, 5615.0, 5258.0, 5292.0, 5431.0, 5375.0, 5406.0, 5359.0, 5639.0, 5554.0, 5342.0, 5310.0, 5369.0, 5305.0, 5513.0, 5296.0, 5509.0, 5597.0, 5636.0, 5614.0, 5521.0, 5427.0, 5429.0, 5464.0, 5358.0, 5279.0, 5487.0, 5683.0, 5461.0, 5251.0, 5637.0, 5518.0, 5629.0, 5259.0, 5546.0, 5561.0, 5701.0, 5340.0, 5363.0, 5713.0, 5354.0, 5630.0, 5297.0, 5573.0, 5402.0, 5268.0, 5470.0, 5608.0, 5271.0, 5306.0, 5460.0, 5349.0, 5421.0, 5646.0, 5644.0, 5577.0, 5686.0, 5507.0, 5559.0, 5391.0, 5490.0, 5323.0, 5723.0, 5667.0, 5504.0, 5263.0, 5435.0, 5314.0, 5707.0, 5692.0, 5543.0, 5680.0, 5524.0, 5664.0 (number of hits: 7)
23	5530	9	1	333	1	5715.0, 5698.0, 5297.0, 5421.0, 5688.0, 5471.0, 5596.0, 5469.0, 5281.0, 5528.0, 5266.0, 5416.0, 5619.0, 5532.0, 5273.0, 5317.0, 5641.0, 5464.0, 5601.0, 5278.0, 5667.0, 5674.0, 5378.0, 5655.0, 5397.0,

						5588.0, 5320.0, 5401.0, 5566.0, 5542.0, 5580.0, 5600.0, 5260.0, 5417.0, 5618.0, 5660.0, 5310.0, 5368.0, 5676.0, 5337.0, 5544.0, 5340.0, 5330.0, 5445.0, 5573.0, 5315.0, 5388.0, 5525.0, 5398.0, 5598.0, 5607.0, 5293.0, 5546.0, 5384.0, 5400.0, 5252.0, 5661.0, 5683.0, 5699.0, 5608.0, 5474.0, 5691.0, 5463.0, 5364.0, 5345.0, 5440.0, 5341.0, 5269.0, 5498.0, 5339.0, 5322.0, 5375.0, 5510.0, 5663.0, 5632.0, 5393.0, 5406.0, 5569.0, 5481.0, 5717.0, 5404.0, 5633.0, 5684.0, 5348.0, 5285.0, 5450.0, 5537.0, 5502.0, 5509.0, 5288.0, 5484.0, 5407.0, 5436.0, 5276.0, 5353.0, 5496.0, 5700.0, 5482.0, 5253.0, 5338.0 (number of hits: 7)
24	5530	9	1	333	1	5318.0, 5685.0, 5420.0, 5704.0, 5255.0, 5485.0, 5539.0, 5366.0, 5634.0, 5421.0, 5284.0, 5515.0, 5308.0, 5516.0, 5691.0, 5550.0, 5416.0, 5652.0, 5447.0, 5579.0, 5548.0, 5553.0, 5645.0, 5621.0, 5257.0, 5520.0, 5489.0, 5659.0, 5651.0, 5500.0, 5687.0, 5439.0, 5636.0, 5572.0, 5471.0, 5700.0, 5408.0, 5296.0, 5506.0, 5560.0, 5292.0, 5264.0, 5342.0, 5488.0, 5492.0, 5307.0, 5331.0, 5664.0, 5683.0, 5633.0, 5588.0, 5327.0, 5596.0, 5302.0, 5582.0, 5724.0, 5309.0, 5338.0, 5479.0, 5344.0, 5400.0, 5590.0, 5703.0, 5510.0, 5365.0, 5480.0, 5609.0, 5532.0, 5662.0, 5465.0, 5717.0, 5569.0, 5438.0, 5699.0, 5270.0, 5449.0, 5403.0, 5261.0, 5643.0, 5253.0, 5322.0, 5625.0, 5377.0, 5549.0, 5320.0, 5391.0, 5359.0, 5635.0, 5346.0, 5337.0, 5611.0, 5444.0, 5287.0, 5448.0, 5324.0, 5275.0, 5334.0, 5640.0, 5462.0, 5443.0 (number of hits: 6)
25	5530	9	1	333	1	5259.0, 5385.0, 5497.0, 5565.0, 5566.0, 5374.0, 5712.0, 5463.0, 5342.0, 5675.0, 5350.0, 5252.0, 5505.0, 5322.0, 5344.0, 5287.0, 5278.0, 5670.0, 5355.0, 5413.0, 5654.0, 5364.0, 5488.0, 5696.0, 5423.0, 5271.0, 5276.0, 5427.0, 5664.0, 5530.0, 5361.0, 5649.0, 5512.0, 5298.0, 5269.0, 5516.0, 5527.0, 5453.0, 5424.0, 5396.0, 5375.0, 5434.0, 5296.0, 5702.0, 5606.0, 5436.0, 5593.0, 5321.0, 5598.0, 5509.0, 5366.0, 5572.0, 5525.0, 5264.0, 5451.0, 5686.0, 5439.0, 5341.0, 5684.0, 5594.0, 5574.0, 5595.0, 5628.0, 5291.0, 5560.0, 5559.0, 5537.0, 5548.0, 5690.0, 5714.0, 5325.0, 5511.0, 5486.0, 5310.0, 5706.0, 5651.0, 5569.0, 5549.0, 5395.0, 5311.0, 5673.0, 5504.0, 5657.0, 5647.0, 5422.0, 5679.0, 5477.0, 5719.0, 5343.0, 5625.0, 5442.0, 5521.0, 5564.0, 5588.0, 5619.0, 5285.0, 5554.0, 5438.0, 5465.0, 5348.0 (number of hits: 9)
26	5530	9	1	333	1	5340.0, 5416.0, 5426.0, 5281.0, 5414.0,

						5358.0, 5558.0, 5610.0, 5513.0, 5655.0, 5573.0, 5564.0, 5495.0, 5692.0, 5271.0, 5366.0, 5406.0, 5612.0, 5660.0, 5702.0, 5700.0, 5539.0, 5352.0, 5715.0, 5508.0, 5255.0, 5497.0, 5333.0, 5315.0, 5259.0, 5623.0, 5710.0, 5721.0, 5381.0, 5650.0, 5462.0, 5714.0, 5544.0, 5553.0, 5335.0, 5419.0, 5341.0, 5329.0, 5431.0, 5662.0, 5597.0, 5343.0, 5371.0, 5251.0, 5425.0, 5417.0, 5319.0, 5346.0, 5527.0, 5615.0, 5293.0, 5342.0, 5707.0, 5664.0, 5557.0, 5536.0, 5538.0, 5369.0, 5327.0, 5301.0, 5687.0, 5563.0, 5637.0, 5500.0, 5501.0, 5376.0, 5570.0, 5428.0, 5283.0, 5422.0, 5624.0, 5586.0, 5517.0, 5621.0, 5380.0, 5367.0, 5683.0, 5554.0, 5522.0, 5519.0, 5635.0, 5262.0, 5410.0, 5305.0, 5405.0, 5560.0, 5596.0, 5704.0, 5322.0, 5680.0, 5485.0, 5421.0, 5706.0, 5641.0, 5317.0 (number of hits: 9)
27	5530	9	1	333	1	5514.0, 5496.0, 5690.0, 5275.0, 5344.0, 5521.0, 5307.0, 5586.0, 5440.0, 5509.0, 5505.0, 5424.0, 5362.0, 5632.0, 5648.0, 5689.0, 5520.0, 5641.0, 5261.0, 5511.0, 5594.0, 5288.0, 5606.0, 5575.0, 5441.0, 5645.0, 5252.0, 5566.0, 5652.0, 5347.0, 5567.0, 5500.0, 5453.0, 5334.0, 5676.0, 5277.0, 5595.0, 5614.0, 5541.0, 5382.0, 5262.0, 5666.0, 5712.0, 5315.0, 5415.0, 5565.0, 5400.0, 5649.0, 5628.0, 5391.0, 5354.0, 5274.0, 5626.0, 5461.0, 5402.0, 5657.0, 5487.0, 5300.0, 5408.0, 5709.0, 5465.0, 5397.0, 5561.0, 5687.0, 5525.0, 5696.0, 5560.0, 5494.0, 5678.0, 5343.0, 5507.0, 5671.0, 5463.0, 5330.0, 5410.0, 5504.0, 5564.0, 5431.0, 5324.0, 5428.0, 5366.0, 5697.0, 5670.0, 5296.0, 5524.0, 5384.0, 5647.0, 5535.0, 5538.0, 5700.0, 5365.0, 5603.0, 5333.0, 5472.0, 5353.0, 5427.0, 5460.0, 5691.0, 5373.0, 5401.0 (number of hits: 9)
28	5530	9	1	333	1	5252.0, 5457.0, 5555.0, 5509.0, 5385.0, 5562.0, 5250.0, 5501.0, 5620.0, 5709.0, 5511.0, 5691.0, 5476.0, 5706.0, 5317.0, 5595.0, 5282.0, 5702.0, 5399.0, 5313.0, 5513.0, 5486.0, 5270.0, 5606.0, 5453.0, 5422.0, 5558.0, 5700.0, 5386.0, 5673.0, 5316.0, 5548.0, 5306.0, 5299.0, 5604.0, 5456.0, 5542.0, 5443.0, 5510.0, 5485.0, 5546.0, 5315.0, 5450.0, 5432.0, 5408.0, 5445.0, 5638.0, 5524.0, 5537.0, 5698.0, 5328.0, 5268.0, 5534.0, 5474.0, 5720.0, 5351.0, 5283.0, 5353.0, 5307.0, 5412.0, 5695.0, 5356.0, 5568.0, 5415.0, 5575.0, 5401.0, 5690.0, 5721.0, 5714.0, 5539.0, 5389.0, 5564.0, 5350.0, 5628.0, 5333.0, 5569.0, 5491.0, 5605.0, 5493.0, 5467.0, 5254.0, 5355.0, 5482.0, 5364.0, 5433.0, 5488.0, 5428.0, 5528.0, 5708.0, 5256.0,

						5516.0, 5693.0, 5294.0, 5436.0, 5409.0, 5585.0, 5376.0, 5452.0, 5574.0, 5662.0 (number of hits: 11)
29	5530	9	1	333	1	5330.0, 5666.0, 5697.0, 5667.0, 5661.0, 5513.0, 5316.0, 5280.0, 5251.0, 5351.0, 5634.0, 5391.0, 5308.0, 5532.0, 5574.0, 5539.0, 5380.0, 5445.0, 5349.0, 5630.0, 5381.0, 5285.0, 5639.0, 5616.0, 5454.0, 5647.0, 5541.0, 5606.0, 5535.0, 5688.0, 5359.0, 5495.0, 5507.0, 5587.0, 5290.0, 5687.0, 5545.0, 5649.0, 5637.0, 5266.0, 5675.0, 5715.0, 5496.0, 5522.0, 5312.0, 5443.0, 5456.0, 5439.0, 5296.0, 5694.0, 5299.0, 5671.0, 5497.0, 5447.0, 5605.0, 5288.0, 5356.0, 5354.0, 5276.0, 5700.0, 5512.0, 5707.0, 5593.0, 5458.0, 5452.0, 5618.0, 5436.0, 5252.0, 5468.0, 5383.0, 5542.0, 5459.0, 5375.0, 5389.0, 5710.0, 5570.0, 5326.0, 5526.0, 5636.0, 5660.0, 5362.0, 5651.0, 5419.0, 5557.0, 5347.0, 5483.0, 5401.0, 5600.0, 5711.0, 5638.0, 5549.0, 5372.0, 5515.0, 5689.0, 5369.0, 5311.0, 5678.0, 5573.0, 5297.0, 5665.0 (number of hits: 11)
30	5530	9	1	333	1	5358.0, 5516.0, 5329.0, 5652.0, 5282.0, 5298.0, 5707.0, 5571.0, 5446.0, 5379.0, 5503.0, 5694.0, 5384.0, 5337.0, 5381.0, 5497.0, 5717.0, 5287.0, 5653.0, 5443.0, 5692.0, 5485.0, 5318.0, 5252.0, 5609.0, 5461.0, 5695.0, 5587.0, 5422.0, 5442.0, 5676.0, 5411.0, 5708.0, 5596.0, 5568.0, 5628.0, 5286.0, 5403.0, 5633.0, 5508.0, 5507.0, 5408.0, 5277.0, 5294.0, 5514.0, 5556.0, 5677.0, 5651.0, 5494.0, 5458.0, 5504.0, 5550.0, 5668.0, 5375.0, 5680.0, 5687.0, 5586.0, 5591.0, 5466.0, 5534.0, 5663.0, 5304.0, 5511.0, 5314.0, 5540.0, 5619.0, 5524.0, 5263.0, 5327.0, 5285.0, 5635.0, 5426.0, 5259.0, 5611.0, 5642.0, 5543.0, 5267.0, 5636.0, 5410.0, 5644.0, 5488.0, 5724.0, 5429.0, 5493.0, 5498.0, 5260.0, 5257.0, 5457.0, 5367.0, 5576.0, 5655.0, 5431.0, 5325.0, 5468.0, 5299.0, 5297.0, 5386.0, 5427.0, 5666.0, 5274.0 (number of hits: 7)

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	86.7 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	86.65 %	80%	Pass
Type 5	30	96.7 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5530 MHz, 80 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	58	1	918	1
2	5530	99	1	538	1
3	5530	70	1	758	1
4	5530	59	1	898	1
5	5530	57	1	938	1
6	5490	86	1	618	1
7	5490	63	1	838	1
8	5490	72	1	738	1
9	5490	81	1	658	1
10	5490	83	1	638	1
11	5570	92	1	578	1
12	5570	78	1	678	0
13	5570	95	1	558	1
14	5570	67	1	798	1
15	5570	76	1	698	0
16	5530	21	1	2539	1
17	5530	37	1	1433	1
18	5530	20	1	2776	1
19	5530	57	1	941	1
20	5530	25	1	2188	1
21	5490	25	1	2165	1
22	5490	43	1	1250	1
23	5490	54	1	994	1
24	5490	23	1	2303	1
25	5490	26	1	2110	1
26	5570	19	1	2843	0
27	5570	37	1	1428	1
28	5570	24	1	2215	0
29	5570	22	1	2452	1
30	5570	33	1	1642	1
Detection Percentage: 86.7 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	23	3.3	176	1
2	5530	24	2.4	171	1
3	5530	28	4.8	176	1
4	5530	28	4.1	182	1
5	5530	28	2.6	150	1
6	5530	28	1.9	160	1
7	5530	24	2.7	186	1
8	5530	25	1.4	159	1
9	5530	24	3.6	211	1
10	5530	25	2.3	202	1
11	5490	28	1.4	179	1
12	5490	29	3.5	224	1
13	5490	25	3.1	194	1
14	5490	24	2.3	207	1
15	5490	29	5	157	1
16	5490	28	1.7	196	1
17	5490	27	2.8	152	1
18	5490	24	2.8	163	1
19	5490	23	2.5	177	1
20	5490	25	3.6	210	0
21	5570	29	3.1	154	1
22	5570	27	1.3	159	0
23	5570	25	1.1	150	0
24	5570	26	3.1	176	1
25	5570	25	3	217	1
26	5570	29	4.1	221	1
27	5570	25	5	159	0
28	5570	29	1.6	155	0
29	5570	24	3.2	191	1
30	5570	26	4.5	162	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	5530	18	7	283	1
2	5530	16	9.4	209	1
3	5530	16	9.1	226	1
4	5530	18	7	481	1
5	5530	17	7.5	397	0
6	5530	17	10	491	1
7	5530	17	9.1	489	1
8	5530	16	8.1	415	1
9	5530	16	9.4	345	1
10	5530	16	7.6	404	1
11	5490	18	7.9	229	1
12	5490	18	8.7	428	1
13	5490	16	8.5	295	1
14	5490	17	8.2	205	1
15	5490	18	9	287	1
16	5490	16	9.5	400	1
17	5490	17	8.6	335	1
18	5490	16	9.9	245	1
19	5490	16	7.7	259	1
20	5490	17	6.9	453	1
21	5570	18	8.3	260	1
22	5570	17	7	319	1
23	5570	17	7.7	389	1
24	5570	17	6.6	219	1
25	5570	16	6.2	341	1
26	5570	18	6.2	209	1
27	5570	17	8.1	346	0
28	5570	17	9.5	249	1
29	5570	16	8.2	248	1
30	5570	17	8.6	339	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	5530	15	17	377	1
2	5530	13	19.1	207	1
3	5530	16	16.5	404	1
4	5530	15	17.1	225	1
5	5530	12	12.3	289	1
6	5530	13	18.3	445	1
7	5530	13	11	475	1
8	5530	12	19.7	363	1
9	5530	14	19.1	391	1
10	5530	15	17.3	278	0
11	5490	14	14.3	262	1
12	5490	12	12.6	204	1
13	5490	15	15.9	449	1
14	5490	16	14.4	296	0
15	5490	15	17.7	309	1
16	5490	12	16.6	212	1
17	5490	16	16.3	363	1
18	5490	15	17.5	294	0
19	5490	13	14.3	335	1
20	5490	14	12.8	380	1
21	5570	13	13	264	1
22	5570	14	11.5	252	1
23	5570	12	17.2	373	1
24	5570	14	14	283	1
25	5570	15	14.8	378	1
26	5570	15	16.7	483	1
27	5570	13	12.8	282	1
28	5570	13	18.2	235	1
29	5570	13	14.6	450	0
30	5570	16	12.5	259	0
Detection Percentage: 83.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5499.2	1
12	5498.4	1
13	5494.8	1
14	5498.8	1
15	5494.0	1
16	5496.8	1
17	5497.2	1
18	5495.2	0
19	5499.6	1
20	5497.2	1
21	5563.5	1
22	5561.9	1
23	5564.7	1
24	5562.3	1
25	5561.9	1
26	5561.1	1
27	5563.9	1
28	5565.5	1
29	5563.1	1
30	5560.3	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	68.6			0.393018	
1	3	12	94.4	1182	1746	1.59794	
2	1	12	65.3			2.206689	
3	1	12	54.4			3.122128	
4	3	12	61.2	1970	1673	3.470209	
5	2	12	54.8	1679		4.380041	
6	1	12	88.4			5.540888	1
7	3	12	70.3	1169	1623	6.088511	
8	2	12	54.9	1012		7.473494	
9	1	12	85.9			7.945063	
10	2	12	58.4	1967		9.318085	
11	2	12	80.7	1839		9.612467	
12	1	12	89.6			10.722467	
13	3	12	55.6	1432	1896	11.343899	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	63.6	1382	1633	0.04618	
1	3	13	88.7	1615	1898	1.143173	
2	2	13	73.1	1536		2.649818	
3	2	13	99	1261		3.207691	
4	2	13	74.2	1224		3.756816	
5	2	13	81.3	1542		5.021288	
6	1	13	58.6			6.430786	1
7	1	13	58.7			6.54924	
8	1	13	98.7			7.564752	
9	3	13	83.5	1960	1185	8.921036	
10	1	13	94.5			10.102554	
11	2	13	53.1	1711		10.244201	
12	2	13	94.7	1371		11.801299	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	88.8			0.302334	
1	2	10	86.8	1476		2.35822	
2	1	10	61.2			2.524636	
3	1	10	96.9			4.228968	
4	2	10	88.9	1371		5.068885	
5	2	10	62.7	1721		6.676441	1
6	2	10	80.4	1488		7.609881	
7	2	10	57	1126		8.501989	
8	3	10	79.1	1580	1508	10.634475	
9	2	10	90.4	1092		11.958757	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	57.6	1713	1678	0.465711	
1	2	12	87.7	1796		1.434706	
2	1	12	50.2			2.148915	
3	1	12	91.6			2.297508	
4	2	12	94.7	1397		3.454806	
5	2	12	66.9	1275		4.444101	
6	3	12	98.2	1183	1413	4.650594	
7	3	12	60.1	1395	1313	5.915787	
8	2	12	77.8	1798		6.49166	1
9	2	12	80.5	1691		7.146292	
10	2	12	76.8	1949		8.23017	
11	1	12	54.2			8.519811	
12	1	12	74.1			9.239877	
13	2	12	96.9	1206		10.170629	
14	2	12	52.8	1679		10.979024	
15	1	12	74.3			11.329284	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	92.9			0.36076	
1	3	14	82.5	1633	1226	1.195024	
2	2	14	93.3	1479		1.57102	
3	3	14	87.5	1119	1550	2.066141	
4	1	14	83.3			2.690824	
5	2	14	96.9	1968		3.75738	
6	1	14	76.6			4.274836	
7	3	14	85.6	1697	1450	4.714769	
8	3	14	98.3	1078	1498	5.346063	
9	2	14	61	1659		6.144374	1
10	2	14	71.6	1750		6.838047	
11	1	14	88			7.34372	
12	3	14	83.8	1236	1481	8.169822	
13	2	14	72.1	1511		8.719028	
14	2	14	68.3	1290		9.306126	
15	1	14	98.2			9.543191	
16	3	14	89.6	1826	1391	10.672342	
17	2	14	81.8	1741		10.856454	
18	2	14	77.9	1832		11.964874	

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	10	68.6			0.361741	
1	3	10	52.2	1219	1768	1.298312	
2	2	10	68.2	1352		2.204488	
3	2	10	78.1	1902		2.850653	
4	2	10	91.5	1448		3.980047	
5	2	10	82	1233		5.094125	
6	2	10	95.6	1375		5.965523	
7	1	10	95.7			6.663061	1
8	2	10	93.5	1395		7.571375	
9	2	10	74.6	1828		7.776581	
10	3	10	99	1911	1887	8.7085	
11	1	10	71.3			10.102113	
12	3	10	51.4	1535	1934	10.80565	
13	3	10	56.9	1940	1703	11.620184	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	52.3	1275		0.184268	
1	1	15	96.5			1.800644	
2	3	15	86	1582	1139	2.22231	
3	2	15	86.9	1606		3.590406	
4	2	15	86.4	1307		4.086385	
5	3	15	90.3	1443	1954	5.425982	
6	3	15	87.8	1424	1158	6.042407	1
7	3	15	55	1980	1814	7.311469	
8	1	15	72.9			7.460152	
9	2	15	80.3	1159		8.666383	
10	2	15	95.4	1905		9.713655	
11	2	15	85	1714		10.239477	
12	2	15	90.8	1518		11.655926	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	73.4			0.743198	
1	3	6	75.8	1964	1092	1.277387	
2	2	6	77.2	1825		1.872802	
3	2	6	94.5	1373		2.865672	
4	3	6	66.3	1993	1569	3.287021	
5	3	6	57.3	1355	1955	4.192156	
6	3	6	80	1477	1711	4.827895	
7	2	6	74.3	1988		5.886778	
8	2	6	66.4	1556		6.736578	1
9	2	6	94.9	1681		7.149039	
10	3	6	50.7	1052	1030	8.153999	
11	2	6	51.5	1109		8.856954	
12	1	6	87.2			9.273057	
13	2	6	70.3	1440		10.175538	
14	1	6	52.6			10.714728	
15	2	6	63.8	1615		11.895031	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	93.9			0.511121	
1	3	7	92.9	1519	1782	1.269809	
2	2	7	57.3	1097		2.613241	
3	1	7	56.9			3.862266	
4	2	7	84.4	1221		4.963941	1
5	2	7	83.3	1967		6.453305	
6	1	7	82.1			8.025834	
7	3	7	85.3	1296	1713	9.547787	
8	2	7	63.7	1050		10.638645	
9	1	7	98.9			11.982498	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	62.6	1879		0.155653	
1	1	15	56.3			0.941304	
2	1	15	95			1.849261	
3	3	15	71.3	1054	1423	2.81172	
4	2	15	77.7	1542		3.301652	
5	2	15	72	1872		4.641065	
6	3	15	87.6	1509	1226	5.005352	
7	3	15	74	1621	1678	6.132388	1
8	2	15	65.2	1617		7.025001	
9	2	15	80.9	1095		7.214326	
10	2	15	87.1	1267		8.097369	
11	3	15	76.6	1101	1528	9.549342	
12	1	15	85.1			10.194883	
13	1	15	64.5			10.971967	
14	1	15	61.9			11.413579	

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	18	65	1681		0.204584	
1	2	18	100	1508		1.078382	
2	2	18	96.3	1609		1.652932	
3	1	18	72.4			2.517184	
4	3	18	75.8	1573	1446	2.78189	
5	1	18	72.8			3.619387	
6	2	18	99.1	1674		4.385047	
7	3	18	75.4	1733	1033	4.840386	
8	2	18	50.5	1086		5.839379	
9	3	18	89.1	1781	1304	6.196679	1
10	1	18	80			7.261202	
11	2	18	70.3	1200		7.37657	
12	3	18	96.2	1004	1839	8.237541	
13	2	18	96.4	1472		9.305799	
14	2	18	59.9	1664		9.505834	
15	2	18	57.6	1231		10.36129	
16	3	18	72.9	1020	1901	10.976446	
17	2	18	82.4	1038		11.835412	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	77.3	1702		0.496237	
1	1	16	90.6			1.251731	
2	2	16	78.2	1333		1.499528	
3	3	16	79.7	1597	1253	2.654377	
4	2	16	68.3	1137		3.182935	
5	1	16	58.7			3.543874	
6	3	16	93.6	1982	1391	4.306724	
7	1	16	64			5.394755	
8	2	16	86.6	1252		6.254793	1
9	1	16	66			6.808898	
10	3	16	65.7	1972	1748	7.681283	
11	1	16	67.8			8.2951	
12	2	16	76.4	1591		8.667321	
13	2	16	71.2	1548		9.330287	
14	2	16	69.6	1329		10.136749	
15	2	16	87.4	1641		11.095051	
16	3	16	60.4	1667	1878	11.363211	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	91.9	1312	1425	0.025511	
1	1	7	82.6			0.839751	
2	1	7	62			1.633787	
3	1	7	82.3			2.199459	
4	2	7	73.3	1730		2.422478	
5	3	7	72.1	1858	1432	3.18677	
6	3	7	82	1725	1685	4.156525	
7	1	7	95.8			4.315785	
8	3	7	97.5	1982	1583	5.099745	
9	2	7	74.6	1875		5.585434	1
10	2	7	69.8	1501		6.510201	
11	3	7	86.2	1042	1018	6.690565	
12	3	7	94	1806	1368	7.389099	
13	2	7	98.1	1615		8.264387	
14	3	7	65.9	1056	1989	8.940211	
15	1	7	72.6			9.350746	
16	3	7	83.8	1948	1094	9.835845	
17	2	7	95.7	1557		10.756072	
18	3	7	81	1966	1575	11.309678	
19	2	7	70.3	1112		11.426068	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	50.2	1083		0.6079	
1	2	17	62.4	1604		1.622225	
2	2	17	52.2	1127		2.773076	
3	2	17	99.5	1513		4.779032	
4	3	17	84.8	1815	1552	5.678497	1
5	3	17	53.4	1985	1930	7.030222	
6	2	17	52.1	1516		7.616614	
7	1	17	64.8			9.034253	
8	2	17	97.3	1372		10.512809	
9	2	17	99.5	1991		11.374991	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	59.1			0.681365	
1	2	5	83.7	1088		1.360574	
2	3	5	97.6	1496	1826	2.485611	
3	1	5	96.9			3.824546	
4	3	5	65.5	1851	1869	4.06458	
5	2	5	72	1053		5.197676	1
6	2	5	68.5	1175		6.082002	
7	3	5	96.2	1744	1203	7.794726	
8	2	5	96.4	1133		8.604858	
9	2	5	85.9	1839		9.650057	
10	2	5	97.5	1407		10.862867	
11	2	5	87.6	1147		11.128703	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	76.4	1975		0.47436	
1	2	12	68.8	1000		1.824836	
2	2	12	74.1	1885		4.427916	
3	1	12	88.6			5.737091	
4	2	12	59.3	1701		7.146651	1
5	2	12	83	1890		8.759134	
6	2	12	73.1	1336		10.416973	
7	2	12	99	1960		11.033081	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	90.1	1437		1.110125	
1	2	13	82.4	1469		1.894637	
2	2	13	81.8	1917		3.562719	
3	2	13	57.9	1279		3.976664	
4	3	13	81.1	1747	1914	5.849757	
5	1	13	51			6.756861	1
6	2	13	91.8	1249		8.030043	
7	2	13	64.2	1054		8.573572	
8	3	13	96.5	1385	1072	10.485119	
9	3	13	87.8	1002	1382	11.19386	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	50.8	1170		0.919592	
1	3	8	63.5	1152	1006	1.850291	
2	2	8	98.1	1358		3.725921	
3	2	8	72.4	1607		4.394309	
4	1	8	95.1			5.38408	0
5	2	8	61.8	1576		7.202778	
6	3	8	73.7	1534	1257	8.124302	
7	2	8	94.6	1860		9.561155	
8	2	8	74.4	1623		11.279184	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	63.9	1705	1561	0.754168	
1	2	19	78.3	1871		1.733188	
2	2	19	55.3	1591		2.387007	
3	3	19	77.8	1850	1996	2.831463	
4	2	19	97.6	1420		4.408413	
5	1	19	53.1			5.347876	
6	2	19	53.5	1627		6.082433	1
7	3	19	77.1	1379	1214	6.886658	
8	2	19	98.6	1103		8.23784	
9	2	19	61.7	1880		8.351765	
10	1	19	55.2			10.028297	
11	2	19	93.9	1269		10.839772	
12	2	19	94	1308		11.581515	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	96.2	1374		0.236347	
1	1	13	58.1			0.686364	
2	1	13	58.3			1.280781	
3	2	13	81.2	1273		2.039387	
4	2	13	75.8	1039		2.836795	
5	2	13	54.3	1204		3.23818	
6	1	13	84.3			3.962956	
7	2	13	88.2	1623		4.787227	
8	2	13	78.8	1945		4.956887	
9	2	13	86.7	1700		5.811233	
10	2	13	56.5	1971		6.235506	1
11	3	13	89.3	1203	1443	6.890784	
12	1	13	73.8			7.584835	
13	3	13	80	1312	1130	7.979518	
14	1	13	72.7			8.613708	
15	1	13	54			9.467172	
16	1	13	62.2			9.668708	
17	1	13	91.8			10.601165	
18	1	13	76.2			10.925175	
19	2	13	90.8	1160		11.808292	

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	11	83.2	1098	1865	0.636457	
1	2	11	83.8	1760		1.041951	
2	2	11	88.7	1497		1.594823	
3	3	11	92.2	1526	1964	2.259732	
4	3	11	75.3	1535	1456	3.278084	
5	3	11	64.9	1305	1700	4.367802	
6	2	11	70.5	1099		4.937694	
7	2	11	78.2	1410		5.717716	
8	1	11	54.6			6.379191	1
9	3	11	92.2	1450	1209	7.006196	
10	2	11	91.4	1865		7.545122	
11	2	11	89.9	1215		8.322156	
12	1	11	55.2			9.000227	
13	2	11	86.2	1958		10.231653	
14	2	11	67.1	1239		10.538238	
15	2	11	62.9	1388		11.421627	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	57.3	2000	1587	0.550959	
1	2	15	82.7	1557		1.185076	
2	2	15	53.8	1668		1.715821	
3	1	15	91.7			2.174031	
4	3	15	84.3	1624	1681	2.699146	
5	2	15	71.6	1421		3.512198	
6	3	15	93	1653	1524	4.178466	
7	2	15	92.4	1641		4.32815	
8	1	15	86.6			5.097778	
9	1	15	61.4			5.739701	
10	3	15	76.9	1337	1317	6.237494	1
11	3	15	69	1411	1502	6.76907	
12	3	15	53.8	1217	1772	7.595512	
13	3	15	75.9	1926	1343	8.022315	
14	2	15	88.6	1715		8.540749	
15	3	15	62.9	1815	1334	9.494668	
16	2	15	88.8	1549		9.811675	
17	3	15	87.9	1055	1885	10.625985	
18	2	15	91.1	1551		11.282752	
19	1	15	80.6			11.45663	

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	8	68	1410		0.055603	
1	3	8	63.5	1964	1722	1.084515	
2	2	8	83.8	1023		2.069728	
3	3	8	86.7	1297	1878	2.599491	
4	1	8	58.5			3.156043	
5	2	8	66.3	1954		4.211734	
6	3	8	82.4	1434	1502	5.198547	
7	1	8	55.6			5.983112	
8	2	8	85.2	1325		6.371837	1
9	1	8	52.9			6.954469	
10	2	8	90.8	1814		7.884252	
11	2	8	60.8	1618		8.883021	
12	1	8	58.2			9.079939	
13	3	8	95	1406	1380	9.77633	
14	2	8	54.1	1501		10.898296	
15	3	8	97.4	1873	1751	11.954672	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	73.3	1992		0.303771	
1	1	14	70.7			0.730737	
2	2	14	63.6	1419		1.375901	
3	3	14	67	1850	1289	2.277023	
4	2	14	54.9	1037		3.2881	
5	1	14	79.3			3.666206	
6	2	14	78.5	1329		4.18134	
7	2	14	94.6	1528		4.724627	
8	3	14	72.5	1898	1916	5.748366	
9	3	14	91.1	1427	1216	6.434692	1
10	2	14	87.5	1380		6.892936	
11	2	14	54.4	1469		7.758801	
12	2	14	97.2	1744		8.404015	
13	2	14	63.3	1411		9.265413	
14	2	14	97.9	1544		9.76066	
15	2	14	66.8	1315		10.557161	
16	2	14	59.7	1069		11.084353	
17	1	14	70.9			11.97707	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	50.4	1558	1249	0.895929	
1	2	15	92.5	1319		1.351882	
2	2	15	87.4	1230		2.819336	
3	3	15	67.9	1091	1640	3.659906	
4	2	15	64.5	1926		5.838555	
5	1	15	61.7			6.002564	1
6	2	15	99.1	1205		7.507119	
7	2	15	66.4	1115		9.543542	
8	3	15	85.1	1079	1705	10.463626	
9	1	15	61.4			11.887304	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	79			0.730264	
1	2	17	99	1935		1.257047	
2	2	17	60.1	1368		2.204834	
3	2	17	95.6	1211		3.093618	
4	2	17	54	1169		3.628411	
5	2	17	83.1	1039		4.36955	
6	2	17	87.1	1002		5.564938	
7	3	17	75.9	1807	1249	6.656139	1
8	2	17	85.2	1364		7.551994	
9	3	17	82.2	1930	1560	7.938062	
10	1	17	61.9			9.421643	
11	2	17	64.1	1441		10.061906	
12	1	17	74.1			10.942652	
13	2	17	51.6	1858		11.887901	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	97.3			0.116767	
1	1	10	98.1			1.474429	
2	3	10	74.1	1906	1928	1.62418	
3	2	10	57.1	1119		2.328871	
4	2	10	97.4	1608		3.641163	
5	2	10	92.6	1312		3.804182	
6	1	10	84.8			4.819899	
7	1	10	69.8			5.46304	
8	1	10	67.7			6.433163	1
9	3	10	86.1	1761	1624	6.790997	
10	2	10	83.8	1896		7.79397	
11	1	10	78.5			8.320651	
12	3	10	52.1	1576	1666	9.334541	
13	2	10	91	1632		10.086748	
14	3	10	64.6	1398	1157	11.16457	
15	2	10	97.6	1236		11.701621	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	91.3	1024		0.69263	
1	3	6	53.3	1235	1648	1.337973	
2	2	6	63.7	1083		1.898803	
3	2	6	85.1	1278		2.429619	
4	1	6	96.6			3.708828	
5	2	6	65.2	1031		4.125929	
6	2	6	70	1177		5.047799	
7	3	6	93.2	1677	1240	5.785138	1
8	2	6	61.6	1966		7.058015	
9	2	6	59.4	1002		7.329885	
10	2	6	74.7	1301		8.623565	
11	3	6	79.7	1062	1553	9.557801	
12	2	6	72.6	1195		10.046393	
13	3	6	64.4	1027	1454	10.975612	
14	2	6	95.7	1149		11.29375	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	79.9	1493		0.648635	
1	2	12	79.9	1176		1.384895	
2	2	12	82.1	1043		2.42157	
3	2	12	60.9	1583		3.3921	
4	1	12	63.4			4.257933	
5	2	12	85.4	1227		5.11465	
6	3	12	88.7	1645	1986	5.820233	1
7	1	12	82.5			6.301473	
8	2	12	85.8	1122		7.030082	
9	2	12	65.6	1574		7.797896	
10	2	12	75.2	1218		9.103243	
11	2	12	77.5	1041		9.432129	
12	2	12	56.2	1244		11.100298	
13	1	12	78.2			11.65251	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	84.9	1289	1902	0.505904	
1	1	19	84.5			1.102037	
2	2	19	51.7	1071		1.593386	
3	3	19	54.6	1845	1533	2.280345	
4	2	19	63.8	1580		3.118413	
5	2	19	99.7	1230		4.363571	
6	2	19	62.5	1020		5.008474	
7	2	19	63.2	1593		5.272704	
8	1	19	89.2			6.377823	1
9	2	19	74.2	1545		6.972972	
10	2	19	64.4	1635		7.634295	
11	1	19	96.9			8.396098	
12	1	19	50			9.035288	
13	2	19	82.2	1845		10.137814	
14	2	19	67.7	1887		10.690943	
15	2	19	55.2	1960		11.600215	

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	5324.0, 5395.0, 5585.0, 5616.0, 5394.0, 5481.0, 5293.0, 5621.0, 5553.0, 5302.0, 5268.0, 5389.0, 5277.0, 5348.0, 5498.0, 5419.0, 5695.0, 5664.0, 5314.0, 5532.0, 5296.0, 5707.0, 5297.0, 5674.0, 5251.0, 5651.0, 5516.0, 5567.0, 5453.0, 5698.0, 5696.0, 5647.0, 5614.0, 5646.0, 5627.0, 5590.0, 5565.0, 5528.0, 5315.0, 5325.0, 5708.0, 5289.0, 5354.0, 5484.0, 5317.0, 5376.0, 5344.0, 5623.0, 5400.0, 5256.0, 5443.0, 5523.0, 5367.0, 5600.0, 5578.0, 5608.0, 5449.0, 5445.0, 5604.0, 5407.0, 5675.0, 5589.0, 5290.0, 5701.0, 5522.0, 5397.0, 5456.0, 5441.0, 5480.0, 5320.0, 5412.0, 5596.0, 5561.0, 5286.0, 5681.0, 5595.0, 5562.0, 5712.0, 5642.0, 5559.0, 5620.0, 5583.0, 5508.0, 5637.0, 5292.0, 5422.0, 5432.0, 5536.0, 5619.0, 5612.0, 5260.0, 5550.0, 5430.0, 5316.0, 5250.0, 5309.0, 5427.0, 5504.0, 5380.0, 5421.0 (number of hits: 16)
2	5530	9	1	333	1	5719.0, 5396.0, 5554.0, 5357.0, 5568.0, 5366.0, 5694.0, 5405.0, 5318.0, 5580.0, 5330.0, 5478.0, 5661.0, 5504.0, 5302.0, 5310.0, 5696.0, 5389.0, 5305.0, 5525.0, 5278.0, 5281.0, 5605.0, 5505.0, 5528.0, 5403.0, 5457.0, 5307.0, 5388.0, 5401.0, 5710.0, 5480.0, 5684.0, 5620.0, 5348.0, 5333.0, 5481.0, 5287.0, 5599.0, 5624.0, 5476.0, 5380.0, 5570.0, 5534.0, 5471.0, 5668.0, 5626.0, 5573.0, 5648.0, 5473.0, 5633.0, 5346.0, 5565.0, 5615.0, 5598.0, 5362.0, 5601.0, 5410.0, 5708.0, 5474.0, 5541.0, 5296.0, 5467.0, 5443.0, 5640.0, 5535.0, 5416.0, 5675.0, 5290.0, 5560.0, 5637.0, 5295.0, 5658.0, 5314.0, 5394.0, 5654.0, 5718.0, 5700.0, 5537.0, 5693.0, 5665.0, 5666.0, 5373.0, 5271.0, 5638.0, 5586.0, 5490.0, 5440.0, 5419.0, 5519.0, 5465.0, 5680.0, 5683.0, 5469.0, 5341.0, 5250.0, 5334.0, 5632.0, 5377.0, 5574.0 (number of hits: 12)
3	5530	9	1	333	1	5504.0, 5626.0, 5443.0, 5589.0, 5582.0, 5642.0, 5531.0, 5603.0, 5324.0, 5315.0, 5484.0, 5333.0, 5255.0, 5352.0, 5481.0, 5256.0, 5556.0, 5391.0, 5359.0, 5374.0, 5649.0, 5387.0, 5337.0, 5407.0, 5330.0, 5396.0, 5449.0, 5503.0, 5353.0, 5585.0, 5414.0, 5470.0, 5435.0, 5673.0, 5710.0, 5634.0, 5345.0, 5469.0, 5252.0, 5568.0, 5536.0, 5321.0, 5681.0, 5271.0, 5473.0, 5717.0, 5580.0, 5282.0, 5635.0, 5276.0, 5288.0, 5318.0, 5286.0, 5417.0, 5514.0, 5270.0, 5386.0, 5400.0, 5553.0, 5596.0,

						5591.0, 5524.0, 5703.0, 5550.0, 5636.0, 5664.0, 5493.0, 5259.0, 5494.0, 5297.0, 5677.0, 5392.0, 5338.0, 5426.0, 5513.0, 5459.0, 5450.0, 5716.0, 5594.0, 5434.0, 5465.0, 5519.0, 5689.0, 5425.0, 5314.0, 5398.0, 5412.0, 5267.0, 5258.0, 5293.0, 5640.0, 5370.0, 5406.0, 5613.0, 5719.0, 5682.0, 5709.0, 5278.0, 5559.0, 5697.0 (number of hits: 14)
4	5530	9	1	333	1	5389.0, 5614.0, 5440.0, 5587.0, 5410.0, 5556.0, 5464.0, 5499.0, 5359.0, 5514.0, 5417.0, 5649.0, 5357.0, 5328.0, 5530.0, 5366.0, 5346.0, 5630.0, 5500.0, 5426.0, 5365.0, 5361.0, 5681.0, 5561.0, 5598.0, 5721.0, 5470.0, 5297.0, 5691.0, 5509.0, 5252.0, 5355.0, 5484.0, 5303.0, 5276.0, 5336.0, 5639.0, 5343.0, 5526.0, 5386.0, 5495.0, 5267.0, 5479.0, 5397.0, 5263.0, 5383.0, 5597.0, 5708.0, 5524.0, 5601.0, 5684.0, 5600.0, 5448.0, 5608.0, 5430.0, 5546.0, 5288.0, 5309.0, 5522.0, 5462.0, 5400.0, 5663.0, 5520.0, 5645.0, 5271.0, 5476.0, 5625.0, 5541.0, 5272.0, 5631.0, 5292.0, 5377.0, 5354.0, 5605.0, 5334.0, 5712.0, 5331.0, 5296.0, 5629.0, 5634.0, 5644.0, 5403.0, 5376.0, 5641.0, 5568.0, 5471.0, 5322.0, 5518.0, 5488.0, 5378.0, 5666.0, 5469.0, 5337.0, 5589.0, 5477.0, 5438.0, 5453.0, 5481.0, 5358.0, 5673.0 (number of hits: 15)
5	5530	9	1	333	1	5493.0, 5614.0, 5644.0, 5593.0, 5533.0, 5398.0, 5665.0, 5480.0, 5390.0, 5682.0, 5607.0, 5314.0, 5478.0, 5446.0, 5329.0, 5575.0, 5479.0, 5624.0, 5459.0, 5616.0, 5260.0, 5261.0, 5531.0, 5560.0, 5405.0, 5457.0, 5397.0, 5427.0, 5497.0, 5269.0, 5646.0, 5547.0, 5281.0, 5660.0, 5600.0, 5509.0, 5495.0, 5518.0, 5583.0, 5721.0, 5526.0, 5481.0, 5319.0, 5469.0, 5442.0, 5686.0, 5608.0, 5474.0, 5523.0, 5642.0, 5709.0, 5365.0, 5445.0, 5296.0, 5537.0, 5351.0, 5714.0, 5486.0, 5584.0, 5449.0, 5577.0, 5374.0, 5432.0, 5663.0, 5352.0, 5255.0, 5638.0, 5674.0, 5699.0, 5636.0, 5299.0, 5550.0, 5589.0, 5490.0, 5565.0, 5489.0, 5487.0, 5724.0, 5545.0, 5294.0, 5716.0, 5528.0, 5517.0, 5434.0, 5692.0, 5654.0, 5343.0, 5334.0, 5284.0, 5293.0, 5516.0, 5370.0, 5496.0, 5282.0, 5675.0, 5460.0, 5273.0, 5503.0, 5391.0, 5508.0 (number of hits: 21)
6	5530	9	1	333	1	5721.0, 5309.0, 5583.0, 5707.0, 5260.0, 5619.0, 5639.0, 5661.0, 5479.0, 5508.0, 5423.0, 5406.0, 5327.0, 5503.0, 5366.0, 5451.0, 5579.0, 5610.0, 5478.0, 5611.0, 5311.0, 5526.0, 5608.0, 5373.0, 5255.0, 5371.0, 5412.0, 5299.0, 5500.0, 5377.0, 5432.0, 5265.0, 5652.0, 5385.0, 5380.0, 5527.0, 5431.0, 5576.0, 5415.0, 5689.0,

						5499.0, 5374.0, 5664.0, 5399.0, 5318.0, 5305.0, 5497.0, 5649.0, 5620.0, 5422.0, 5544.0, 5450.0, 5575.0, 5717.0, 5515.0, 5710.0, 5564.0, 5326.0, 5473.0, 5650.0, 5394.0, 5407.0, 5333.0, 5529.0, 5440.0, 5387.0, 5430.0, 5341.0, 5696.0, 5435.0, 5475.0, 5695.0, 5424.0, 5609.0, 5363.0, 5534.0, 5625.0, 5593.0, 5388.0, 5421.0, 5516.0, 5382.0, 5286.0, 5481.0, 5713.0, 5277.0, 5591.0, 5509.0, 5704.0, 5642.0, 5559.0, 5703.0, 5658.0, 5532.0, 5357.0, 5426.0, 5684.0, 5321.0, 5465.0, 5599.0 (number of hits: 16)
7	5530	9	1	333	1	5320.0, 5292.0, 5407.0, 5425.0, 5476.0, 5545.0, 5575.0, 5559.0, 5475.0, 5474.0, 5699.0, 5342.0, 5402.0, 5446.0, 5327.0, 5273.0, 5321.0, 5450.0, 5573.0, 5350.0, 5702.0, 5627.0, 5668.0, 5356.0, 5530.0, 5723.0, 5667.0, 5561.0, 5701.0, 5420.0, 5311.0, 5418.0, 5393.0, 5568.0, 5459.0, 5584.0, 5692.0, 5527.0, 5537.0, 5595.0, 5344.0, 5467.0, 5294.0, 5619.0, 5380.0, 5716.0, 5379.0, 5374.0, 5398.0, 5713.0, 5367.0, 5515.0, 5319.0, 5685.0, 5439.0, 5297.0, 5540.0, 5256.0, 5546.0, 5487.0, 5506.0, 5463.0, 5399.0, 5274.0, 5317.0, 5502.0, 5682.0, 5266.0, 5681.0, 5604.0, 5587.0, 5612.0, 5314.0, 5613.0, 5514.0, 5470.0, 5636.0, 5554.0, 5499.0, 5579.0, 5664.0, 5492.0, 5333.0, 5624.0, 5471.0, 5504.0, 5724.0, 5709.0, 5551.0, 5571.0, 5638.0, 5290.0, 5509.0, 5283.0, 5388.0, 5666.0, 5500.0, 5696.0, 5622.0, 5645.0 (number of hits: 19)
8	5530	9	1	333	1	5549.0, 5683.0, 5545.0, 5544.0, 5699.0, 5582.0, 5601.0, 5332.0, 5716.0, 5354.0, 5680.0, 5352.0, 5550.0, 5299.0, 5603.0, 5522.0, 5337.0, 5435.0, 5382.0, 5530.0, 5402.0, 5486.0, 5480.0, 5487.0, 5578.0, 5260.0, 5431.0, 5272.0, 5333.0, 5326.0, 5563.0, 5465.0, 5285.0, 5646.0, 5408.0, 5676.0, 5586.0, 5276.0, 5598.0, 5679.0, 5348.0, 5640.0, 5675.0, 5529.0, 5452.0, 5524.0, 5388.0, 5338.0, 5455.0, 5613.0, 5547.0, 5647.0, 5499.0, 5393.0, 5484.0, 5701.0, 5548.0, 5304.0, 5474.0, 5627.0, 5341.0, 5414.0, 5479.0, 5336.0, 5278.0, 5339.0, 5568.0, 5657.0, 5546.0, 5629.0, 5687.0, 5418.0, 5401.0, 5611.0, 5403.0, 5708.0, 5703.0, 5596.0, 5491.0, 5359.0, 5458.0, 5710.0, 5665.0, 5353.0, 5268.0, 5616.0, 5587.0, 5328.0, 5447.0, 5560.0, 5252.0, 5421.0, 5454.0, 5584.0, 5306.0, 5334.0, 5427.0, 5661.0, 5310.0, 5556.0 (number of hits: 15)
9	5530	9	1	333	1	5520.0, 5706.0, 5572.0, 5546.0, 5529.0, 5607.0, 5308.0, 5321.0, 5367.0, 5351.0, 5311.0, 5581.0, 5377.0, 5269.0, 5663.0, 5316.0, 5598.0, 5429.0, 5592.0, 5634.0,

						5437.0, 5699.0, 5257.0, 5510.0, 5590.0, 5385.0, 5486.0, 5380.0, 5672.0, 5386.0, 5522.0, 5467.0, 5280.0, 5319.0, 5415.0, 5394.0, 5684.0, 5292.0, 5309.0, 5301.0, 5651.0, 5718.0, 5552.0, 5282.0, 5370.0, 5614.0, 5330.0, 5335.0, 5603.0, 5657.0, 5506.0, 5650.0, 5514.0, 5638.0, 5608.0, 5633.0, 5721.0, 5483.0, 5693.0, 5640.0, 5474.0, 5568.0, 5431.0, 5397.0, 5625.0, 5655.0, 5609.0, 5312.0, 5266.0, 5389.0, 5299.0, 5573.0, 5664.0, 5258.0, 5571.0, 5569.0, 5612.0, 5575.0, 5421.0, 5479.0, 5654.0, 5395.0, 5680.0, 5583.0, 5372.0, 5579.0, 5300.0, 5434.0, 5307.0, 5549.0, 5671.0, 5390.0, 5713.0, 5658.0, 5642.0, 5278.0, 5567.0, 5545.0, 5274.0, 5304.0 (number of hits: 11)
10	5530	9	1	333	1	5513.0, 5668.0, 5450.0, 5369.0, 5644.0, 5303.0, 5408.0, 5431.0, 5505.0, 5624.0, 5391.0, 5353.0, 5520.0, 5587.0, 5693.0, 5357.0, 5266.0, 5437.0, 5713.0, 5327.0, 5617.0, 5427.0, 5585.0, 5484.0, 5720.0, 5309.0, 5261.0, 5582.0, 5688.0, 5367.0, 5637.0, 5257.0, 5459.0, 5665.0, 5676.0, 5517.0, 5332.0, 5265.0, 5402.0, 5605.0, 5692.0, 5625.0, 5706.0, 5376.0, 5405.0, 5709.0, 5364.0, 5670.0, 5436.0, 5273.0, 5271.0, 5324.0, 5317.0, 5487.0, 5574.0, 5542.0, 5478.0, 5421.0, 5466.0, 5598.0, 5464.0, 5528.0, 5698.0, 5567.0, 5575.0, 5615.0, 5552.0, 5465.0, 5499.0, 5715.0, 5704.0, 5689.0, 5351.0, 5410.0, 5516.0, 5492.0, 5371.0, 5404.0, 5569.0, 5510.0, 5259.0, 5628.0, 5702.0, 5589.0, 5684.0, 5482.0, 5426.0, 5502.0, 5546.0, 5576.0, 5393.0, 5335.0, 5300.0, 5544.0, 5255.0, 5504.0, 5314.0, 5703.0, 5264.0, 5344.0 (number of hits: 16)
11	5492	9	1	333	1	5277.0, 5308.0, 5574.0, 5610.0, 5435.0, 5428.0, 5541.0, 5253.0, 5573.0, 5576.0, 5568.0, 5581.0, 5485.0, 5518.0, 5453.0, 5569.0, 5452.0, 5383.0, 5633.0, 5567.0, 5522.0, 5327.0, 5499.0, 5506.0, 5645.0, 5712.0, 5533.0, 5487.0, 5532.0, 5282.0, 5355.0, 5609.0, 5516.0, 5696.0, 5666.0, 5555.0, 5553.0, 5703.0, 5538.0, 5646.0, 5342.0, 5352.0, 5316.0, 5648.0, 5589.0, 5675.0, 5629.0, 5458.0, 5431.0, 5378.0, 5514.0, 5602.0, 5260.0, 5364.0, 5484.0, 5370.0, 5354.0, 5523.0, 5585.0, 5466.0, 5612.0, 5297.0, 5324.0, 5593.0, 5665.0, 5279.0, 5365.0, 5387.0, 5687.0, 5606.0, 5562.0, 5597.0, 5592.0, 5688.0, 5372.0, 5507.0, 5349.0, 5496.0, 5275.0, 5580.0, 5651.0, 5676.0, 5536.0, 5437.0, 5535.0, 5422.0, 5537.0, 5618.0, 5317.0, 5634.0, 5332.0, 5722.0, 5578.0, 5564.0, 5322.0, 5296.0, 5301.0, 5549.0, 5384.0, 5347.0 (number of hits: 14)

12	5492	9	1	333	1	5617.0, 5565.0, 5269.0, 5494.0, 5448.0, 5526.0, 5366.0, 5380.0, 5273.0, 5518.0, 5498.0, 5333.0, 5538.0, 5272.0, 5341.0, 5482.0, 5485.0, 5284.0, 5622.0, 5598.0, 5684.0, 5626.0, 5587.0, 5386.0, 5605.0, 5597.0, 5317.0, 5429.0, 5295.0, 5435.0, 5394.0, 5692.0, 5648.0, 5443.0, 5457.0, 5381.0, 5682.0, 5493.0, 5717.0, 5581.0, 5618.0, 5492.0, 5471.0, 5384.0, 5252.0, 5441.0, 5344.0, 5535.0, 5481.0, 5416.0, 5459.0, 5686.0, 5393.0, 5354.0, 5646.0, 5439.0, 5539.0, 5515.0, 5324.0, 5579.0, 5700.0, 5685.0, 5595.0, 5589.0, 5628.0, 5583.0, 5718.0, 5349.0, 5697.0, 5504.0, 5327.0, 5611.0, 5368.0, 5418.0, 5681.0, 5298.0, 5281.0, 5251.0, 5712.0, 5500.0, 5663.0, 5508.0, 5708.0, 5436.0, 5261.0, 5645.0, 5503.0, 5329.0, 5350.0, 5634.0, 5604.0, 5316.0, 5558.0, 5569.0, 5466.0, 5367.0, 5356.0, 5594.0, 5282.0, 5625.0 (number of hits: 18)
13	5492	9	1	333	1	5361.0, 5397.0, 5407.0, 5536.0, 5391.0, 5428.0, 5716.0, 5574.0, 5469.0, 5263.0, 5634.0, 5704.0, 5266.0, 5299.0, 5427.0, 5648.0, 5457.0, 5250.0, 5368.0, 5556.0, 5676.0, 5570.0, 5621.0, 5489.0, 5653.0, 5524.0, 5420.0, 5319.0, 5435.0, 5450.0, 5349.0, 5312.0, 5341.0, 5678.0, 5318.0, 5364.0, 5451.0, 5443.0, 5401.0, 5666.0, 5477.0, 5706.0, 5597.0, 5398.0, 5255.0, 5490.0, 5426.0, 5388.0, 5605.0, 5317.0, 5258.0, 5445.0, 5717.0, 5475.0, 5344.0, 5454.0, 5686.0, 5715.0, 5591.0, 5309.0, 5301.0, 5642.0, 5292.0, 5315.0, 5256.0, 5296.0, 5345.0, 5284.0, 5586.0, 5362.0, 5453.0, 5535.0, 5399.0, 5709.0, 5553.0, 5507.0, 5279.0, 5491.0, 5392.0, 5405.0, 5719.0, 5640.0, 5604.0, 5438.0, 5311.0, 5638.0, 5383.0, 5308.0, 5617.0, 5473.0, 5257.0, 5681.0, 5479.0, 5326.0, 5537.0, 5288.0, 5328.0, 5516.0, 5459.0, 5374.0 (number of hits: 14)
14	5492	9	1	333	1	5386.0, 5300.0, 5515.0, 5584.0, 5480.0, 5457.0, 5627.0, 5394.0, 5676.0, 5543.0, 5689.0, 5591.0, 5693.0, 5628.0, 5592.0, 5595.0, 5307.0, 5720.0, 5630.0, 5632.0, 5304.0, 5563.0, 5596.0, 5266.0, 5550.0, 5486.0, 5269.0, 5612.0, 5433.0, 5337.0, 5540.0, 5259.0, 5621.0, 5338.0, 5341.0, 5648.0, 5677.0, 5573.0, 5629.0, 5385.0, 5618.0, 5610.0, 5665.0, 5666.0, 5438.0, 5349.0, 5593.0, 5424.0, 5298.0, 5371.0, 5654.0, 5705.0, 5519.0, 5355.0, 5690.0, 5435.0, 5571.0, 5557.0, 5427.0, 5719.0, 5657.0, 5364.0, 5524.0, 5451.0, 5489.0, 5409.0, 5532.0, 5360.0, 5488.0, 5467.0, 5530.0, 5548.0, 5430.0, 5642.0, 5314.0, 5366.0, 5363.0, 5471.0, 5280.0, 5420.0, 5441.0, 5470.0, 5567.0, 5329.0, 5513.0,

						5590.0, 5641.0, 5289.0, 5370.0, 5664.0, 5373.0, 5534.0, 5686.0, 5527.0, 5478.0, 5604.0, 5359.0, 5723.0, 5448.0, 5365.0 (number of hits: 14)
15	5492	9	1	333	1	5341.0, 5307.0, 5372.0, 5310.0, 5551.0, 5407.0, 5270.0, 5423.0, 5418.0, 5500.0, 5333.0, 5670.0, 5276.0, 5456.0, 5708.0, 5475.0, 5668.0, 5542.0, 5721.0, 5602.0, 5707.0, 5448.0, 5312.0, 5578.0, 5491.0, 5495.0, 5496.0, 5366.0, 5511.0, 5317.0, 5282.0, 5536.0, 5568.0, 5697.0, 5435.0, 5544.0, 5403.0, 5415.0, 5543.0, 5504.0, 5459.0, 5665.0, 5321.0, 5454.0, 5277.0, 5446.0, 5666.0, 5465.0, 5588.0, 5383.0, 5440.0, 5572.0, 5596.0, 5651.0, 5350.0, 5290.0, 5281.0, 5716.0, 5490.0, 5710.0, 5351.0, 5402.0, 5482.0, 5705.0, 5647.0, 5324.0, 5501.0, 5667.0, 5344.0, 5563.0, 5648.0, 5675.0, 5638.0, 5519.0, 5352.0, 5514.0, 5486.0, 5614.0, 5438.0, 5680.0, 5493.0, 5365.0, 5426.0, 5555.0, 5280.0, 5445.0, 5630.0, 5722.0, 5570.0, 5397.0, 5642.0, 5522.0, 5304.0, 5698.0, 5517.0, 5405.0, 5308.0, 5420.0, 5416.0, 5548.0 (number of hits: 20)
16	5492	9	1	333	1	5374.0, 5319.0, 5425.0, 5549.0, 5278.0, 5636.0, 5694.0, 5646.0, 5695.0, 5474.0, 5627.0, 5608.0, 5428.0, 5298.0, 5701.0, 5552.0, 5322.0, 5615.0, 5404.0, 5312.0, 5720.0, 5508.0, 5445.0, 5342.0, 5661.0, 5562.0, 5630.0, 5387.0, 5580.0, 5721.0, 5439.0, 5610.0, 5707.0, 5603.0, 5543.0, 5632.0, 5689.0, 5598.0, 5300.0, 5405.0, 5586.0, 5708.0, 5528.0, 5296.0, 5263.0, 5371.0, 5450.0, 5529.0, 5446.0, 5412.0, 5301.0, 5390.0, 5367.0, 5545.0, 5572.0, 5287.0, 5650.0, 5670.0, 5460.0, 5295.0, 5307.0, 5516.0, 5647.0, 5540.0, 5320.0, 5618.0, 5323.0, 5430.0, 5539.0, 5433.0, 5697.0, 5604.0, 5589.0, 5505.0, 5634.0, 5403.0, 5483.0, 5317.0, 5523.0, 5315.0, 5509.0, 5633.0, 5693.0, 5291.0, 5495.0, 5487.0, 5356.0, 5556.0, 5531.0, 5436.0, 5564.0, 5326.0, 5354.0, 5488.0, 5511.0, 5399.0, 5368.0, 5621.0, 5551.0, 5705.0 (number of hits: 14)
17	5492	9	1	333	1	5575.0, 5326.0, 5406.0, 5612.0, 5324.0, 5678.0, 5656.0, 5437.0, 5720.0, 5698.0, 5395.0, 5478.0, 5608.0, 5383.0, 5691.0, 5320.0, 5658.0, 5560.0, 5369.0, 5316.0, 5622.0, 5463.0, 5408.0, 5307.0, 5270.0, 5382.0, 5447.0, 5721.0, 5701.0, 5323.0, 5531.0, 5532.0, 5582.0, 5693.0, 5301.0, 5441.0, 5368.0, 5443.0, 5379.0, 5311.0, 5576.0, 5259.0, 5394.0, 5527.0, 5417.0, 5471.0, 5366.0, 5549.0, 5546.0, 5314.0, 5313.0, 5634.0, 5483.0, 5644.0, 5676.0, 5299.0, 5672.0, 5402.0, 5660.0, 5504.0, 5667.0, 5543.0, 5645.0, 5553.0, 5605.0,

						5621.0, 5638.0, 5552.0, 5439.0, 5603.0, 5359.0, 5685.0, 5538.0, 5328.0, 5260.0, 5717.0, 5289.0, 5396.0, 5715.0, 5407.0, 5294.0, 5627.0, 5252.0, 5286.0, 5349.0, 5618.0, 5692.0, 5669.0, 5464.0, 5663.0, 5564.0, 5493.0, 5584.0, 5557.0, 5511.0, 5580.0, 5512.0, 5418.0, 5321.0, 5620.0 (number of hits: 10)
18	5492	9	1	333	1	5499.0, 5705.0, 5526.0, 5632.0, 5301.0, 5268.0, 5631.0, 5625.0, 5392.0, 5506.0, 5470.0, 5320.0, 5678.0, 5367.0, 5716.0, 5428.0, 5463.0, 5365.0, 5338.0, 5297.0, 5513.0, 5343.0, 5289.0, 5542.0, 5585.0, 5667.0, 5561.0, 5695.0, 5553.0, 5641.0, 5382.0, 5444.0, 5681.0, 5389.0, 5496.0, 5435.0, 5474.0, 5683.0, 5613.0, 5549.0, 5618.0, 5607.0, 5552.0, 5469.0, 5627.0, 5573.0, 5572.0, 5511.0, 5590.0, 5336.0, 5518.0, 5605.0, 5642.0, 5493.0, 5347.0, 5559.0, 5286.0, 5271.0, 5425.0, 5449.0, 5414.0, 5275.0, 5574.0, 5629.0, 5723.0, 5489.0, 5595.0, 5471.0, 5671.0, 5684.0, 5292.0, 5317.0, 5283.0, 5602.0, 5290.0, 5353.0, 5424.0, 5443.0, 5578.0, 5651.0, 5368.0, 5713.0, 5533.0, 5712.0, 5344.0, 5700.0, 5483.0, 5400.0, 5710.0, 5295.0, 5502.0, 5374.0, 5274.0, 5593.0, 5349.0, 5580.0, 5309.0, 5603.0, 5676.0, 5528.0 (number of hits: 17)
19	5492	9	1	333	1	5459.0, 5255.0, 5327.0, 5671.0, 5635.0, 5480.0, 5520.0, 5479.0, 5286.0, 5297.0, 5549.0, 5629.0, 5639.0, 5344.0, 5677.0, 5351.0, 5343.0, 5410.0, 5669.0, 5569.0, 5305.0, 5363.0, 5478.0, 5385.0, 5583.0, 5417.0, 5419.0, 5543.0, 5406.0, 5311.0, 5448.0, 5663.0, 5350.0, 5250.0, 5277.0, 5666.0, 5342.0, 5692.0, 5280.0, 5335.0, 5654.0, 5310.0, 5526.0, 5355.0, 5516.0, 5588.0, 5458.0, 5512.0, 5604.0, 5287.0, 5463.0, 5354.0, 5262.0, 5556.0, 5621.0, 5517.0, 5691.0, 5374.0, 5449.0, 5660.0, 5443.0, 5611.0, 5476.0, 5720.0, 5506.0, 5339.0, 5523.0, 5657.0, 5292.0, 5565.0, 5265.0, 5379.0, 5337.0, 5256.0, 5705.0, 5481.0, 5697.0, 5384.0, 5289.0, 5550.0, 5498.0, 5361.0, 5373.0, 5405.0, 5441.0, 5326.0, 5548.0, 5568.0, 5296.0, 5269.0, 5619.0, 5501.0, 5685.0, 5612.0, 5615.0, 5584.0, 5701.0, 5551.0, 5586.0, 5425.0 (number of hits: 17)
20	5492	9	1	333	1	5543.0, 5495.0, 5634.0, 5352.0, 5298.0, 5619.0, 5684.0, 5716.0, 5718.0, 5664.0, 5438.0, 5697.0, 5463.0, 5254.0, 5481.0, 5398.0, 5277.0, 5374.0, 5648.0, 5719.0, 5255.0, 5363.0, 5446.0, 5650.0, 5490.0, 5407.0, 5706.0, 5441.0, 5549.0, 5683.0, 5651.0, 5426.0, 5618.0, 5534.0, 5346.0, 5427.0, 5251.0, 5381.0, 5509.0, 5514.0, 5679.0, 5503.0, 5263.0, 5402.0, 5615.0,

						5659.0, 5292.0, 5377.0, 5708.0, 5283.0, 5323.0, 5331.0, 5321.0, 5582.0, 5488.0, 5616.0, 5670.0, 5720.0, 5432.0, 5367.0, 5710.0, 5415.0, 5382.0, 5544.0, 5701.0, 5570.0, 5287.0, 5350.0, 5312.0, 5414.0, 5339.0, 5342.0, 5343.0, 5545.0, 5480.0, 5667.0, 5541.0, 5443.0, 5457.0, 5468.0, 5538.0, 5567.0, 5392.0, 5680.0, 5284.0, 5333.0, 5397.0, 5299.0, 5620.0, 5660.0, 5695.0, 5472.0, 5282.0, 5311.0, 5517.0, 5632.0, 5662.0, 5383.0, 5378.0, 5556.0 (number of hits: 13)
21	5568	9	1	333	1	5569.0, 5456.0, 5323.0, 5633.0, 5498.0, 5525.0, 5423.0, 5567.0, 5574.0, 5458.0, 5342.0, 5621.0, 5568.0, 5687.0, 5611.0, 5508.0, 5719.0, 5669.0, 5346.0, 5682.0, 5397.0, 5334.0, 5571.0, 5463.0, 5636.0, 5580.0, 5622.0, 5596.0, 5696.0, 5398.0, 5387.0, 5548.0, 5515.0, 5600.0, 5656.0, 5584.0, 5661.0, 5283.0, 5475.0, 5275.0, 5627.0, 5629.0, 5468.0, 5504.0, 5473.0, 5302.0, 5355.0, 5348.0, 5434.0, 5301.0, 5527.0, 5312.0, 5557.0, 5590.0, 5384.0, 5260.0, 5655.0, 5372.0, 5268.0, 5546.0, 5319.0, 5522.0, 5638.0, 5298.0, 5481.0, 5510.0, 5347.0, 5253.0, 5351.0, 5695.0, 5382.0, 5407.0, 5368.0, 5592.0, 5352.0, 5401.0, 5483.0, 5561.0, 5363.0, 5265.0, 5678.0, 5497.0, 5452.0, 5472.0, 5432.0, 5284.0, 5539.0, 5572.0, 5364.0, 5464.0, 5295.0, 5269.0, 5327.0, 5496.0, 5556.0, 5544.0, 5593.0, 5304.0, 5721.0, 5713.0 (number of hits: 20)
22	5568	9	1	333	1	5349.0, 5694.0, 5570.0, 5703.0, 5651.0, 5535.0, 5677.0, 5519.0, 5572.0, 5340.0, 5626.0, 5449.0, 5587.0, 5553.0, 5436.0, 5517.0, 5514.0, 5448.0, 5401.0, 5594.0, 5533.0, 5714.0, 5693.0, 5482.0, 5294.0, 5582.0, 5565.0, 5379.0, 5298.0, 5576.0, 5361.0, 5639.0, 5680.0, 5320.0, 5408.0, 5683.0, 5679.0, 5312.0, 5715.0, 5634.0, 5668.0, 5266.0, 5343.0, 5473.0, 5598.0, 5561.0, 5383.0, 5433.0, 5486.0, 5321.0, 5465.0, 5678.0, 5560.0, 5554.0, 5440.0, 5323.0, 5666.0, 5695.0, 5305.0, 5286.0, 5478.0, 5635.0, 5654.0, 5540.0, 5536.0, 5619.0, 5537.0, 5443.0, 5417.0, 5609.0, 5420.0, 5642.0, 5644.0, 5698.0, 5667.0, 5534.0, 5705.0, 5388.0, 5685.0, 5474.0, 5507.0, 5419.0, 5607.0, 5404.0, 5483.0, 5426.0, 5716.0, 5702.0, 5434.0, 5451.0, 5395.0, 5297.0, 5545.0, 5353.0, 5454.0, 5588.0, 5413.0, 5381.0, 5524.0, 5501.0 (number of hits: 20)
23	5568	9	1	333	1	5630.0, 5313.0, 5658.0, 5511.0, 5312.0, 5669.0, 5397.0, 5356.0, 5485.0, 5442.0, 5280.0, 5364.0, 5558.0, 5273.0, 5336.0, 5628.0, 5314.0, 5263.0, 5516.0, 5635.0, 5543.0, 5621.0, 5544.0, 5297.0, 5619.0,

						5494.0, 5373.0, 5657.0, 5531.0, 5274.0, 5709.0, 5389.0, 5476.0, 5496.0, 5592.0, 5277.0, 5617.0, 5716.0, 5300.0, 5291.0, 5582.0, 5252.0, 5473.0, 5366.0, 5464.0, 5270.0, 5402.0, 5335.0, 5321.0, 5395.0, 5345.0, 5407.0, 5441.0, 5675.0, 5681.0, 5281.0, 5608.0, 5581.0, 5578.0, 5363.0, 5354.0, 5294.0, 5412.0, 5680.0, 5302.0, 5562.0, 5594.0, 5696.0, 5505.0, 5557.0, 5308.0, 5525.0, 5304.0, 5309.0, 5523.0, 5454.0, 5593.0, 5355.0, 5509.0, 5472.0, 5261.0, 5452.0, 5667.0, 5461.0, 5576.0, 5618.0, 5375.0, 5540.0, 5689.0, 5326.0, 5693.0, 5663.0, 5492.0, 5596.0, 5404.0, 5610.0, 5690.0, 5276.0, 5287.0, 5567.0 (number of hits: 16)
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26	5568	9	1	333	1	5271.0, 5692.0, 5378.0, 5433.0, 5490.0,

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10 Appendix

- Annex B –Test Setup Photographs
- Annex C – Delclaration of Similarity

11 Annex A (Normative) - A2LA Electrical Testing Certificate

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Annex C (Informative) – Declaration of Similarity

FÜRTINET

Declaration of Similarity

September 19, 2018

We *Fortinet, Inc.* hereby declare that products below are electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics. The Model names difference are for marketing purposes only. The only difference is the internal and external antenna.

Product Models covered are:

Internal Antenna:
FortiAP U221EV, FORTIAP-U221EV, FAP-U221EV

External Antenna:
FortiAP U223EV, FORTIAP-U223EV, FAP-U223EV

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

Sincerely,

Andrew Ji
Fortinet, Inc.
Director of Operations