



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

For

**Fortinet, Inc.**

899 Kifer Road  
Sunnyvale, CA 94086

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

|                                                                                                                                                             |                                     |                                      |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------|--|
| <b>Report Type:</b><br>DFS Report                                                                                                                           |                                     | <b>Product Type:</b><br>Access Point |  |
| <b>Prepared By:</b>                                                                                                                                         | Vincent Licata<br>Test Engineer<br> |                                      |  |
| <b>Report Number:</b>                                                                                                                                       | R1808243-DFS                        |                                      |  |
| <b>Report Date:</b>                                                                                                                                         | 2018-09-20                          |                                      |  |
| <b>Reviewed By:</b>                                                                                                                                         | Jin Yang<br>RF Lead<br>             |                                      |  |
| Bay Area Compliance Laboratories Corporation (BACL)<br>1274 Anvilwood Avenue,<br>Sunnyvale, CA 94089, USA<br>Tel: 1 (408) 732-9162<br>Fax: 1 (408) 732-9164 |                                     |                                      |  |

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\* This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk “\*” (BAC-15)

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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, 3<sup>rd</sup>-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 2 and 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 |

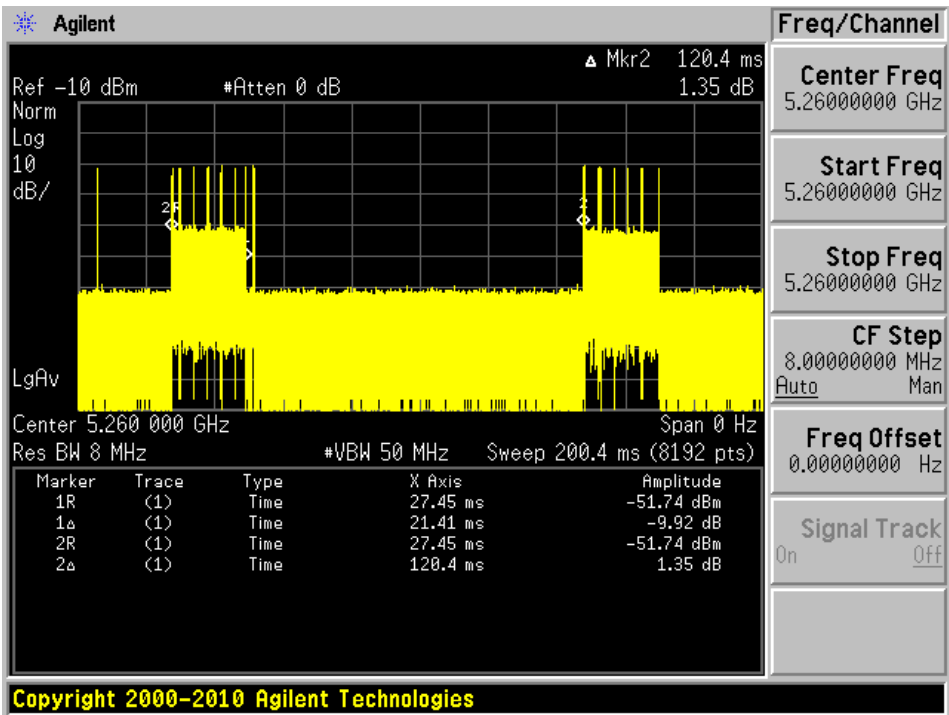


## 2.6 Duty Cycle

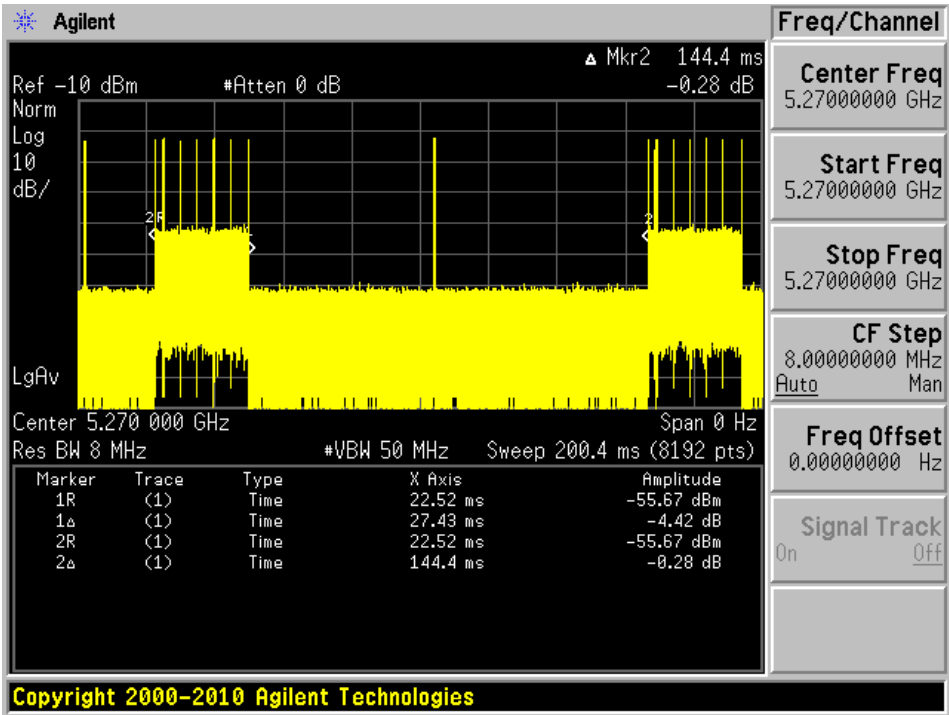
| Unit | Frequency (MHz) | Duty Cycle (%) | Limit (%) |
|------|-----------------|----------------|-----------|
| FOS  | 5260            | 17.78          | 17        |
|      | 5270            | 19.00          | 17        |
|      | 5290            | 20.47          | 17        |
|      | 5500            | 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

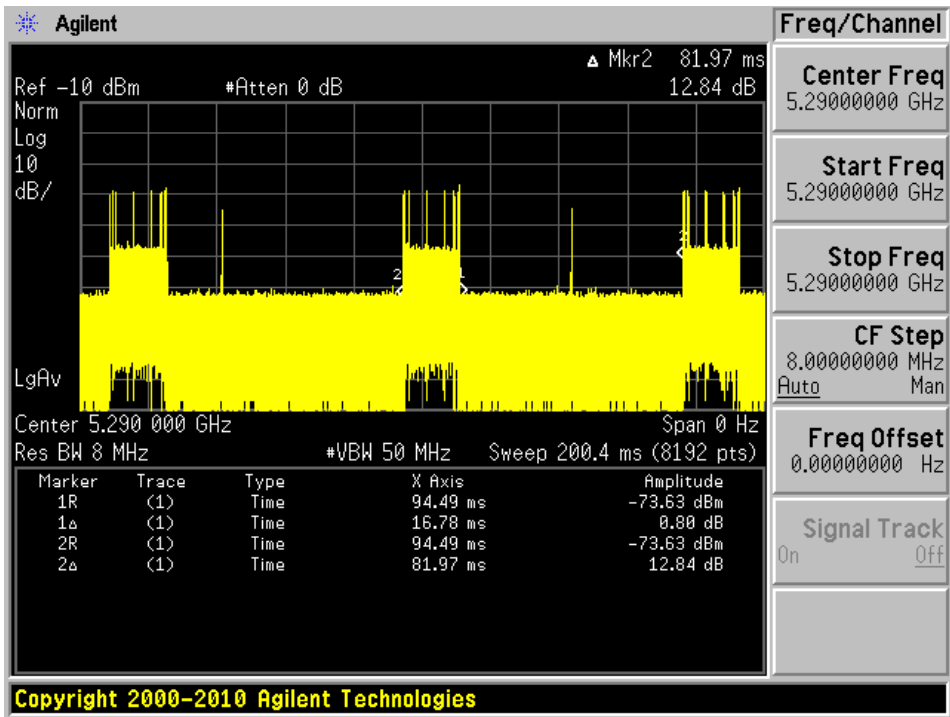
5260 MHz DC FOS



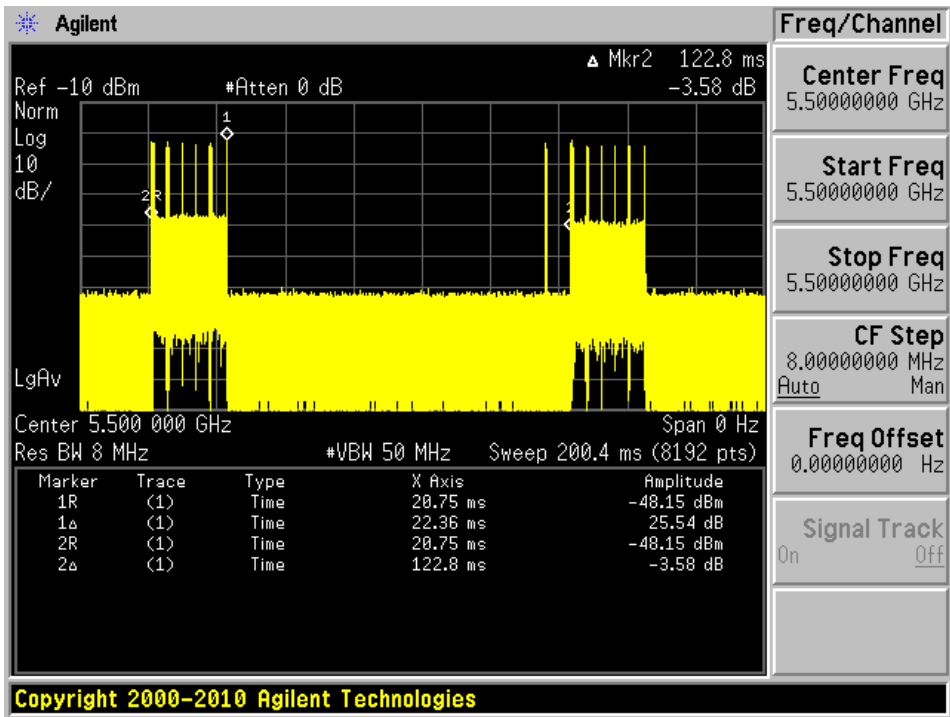
5270 MHz DC FOS



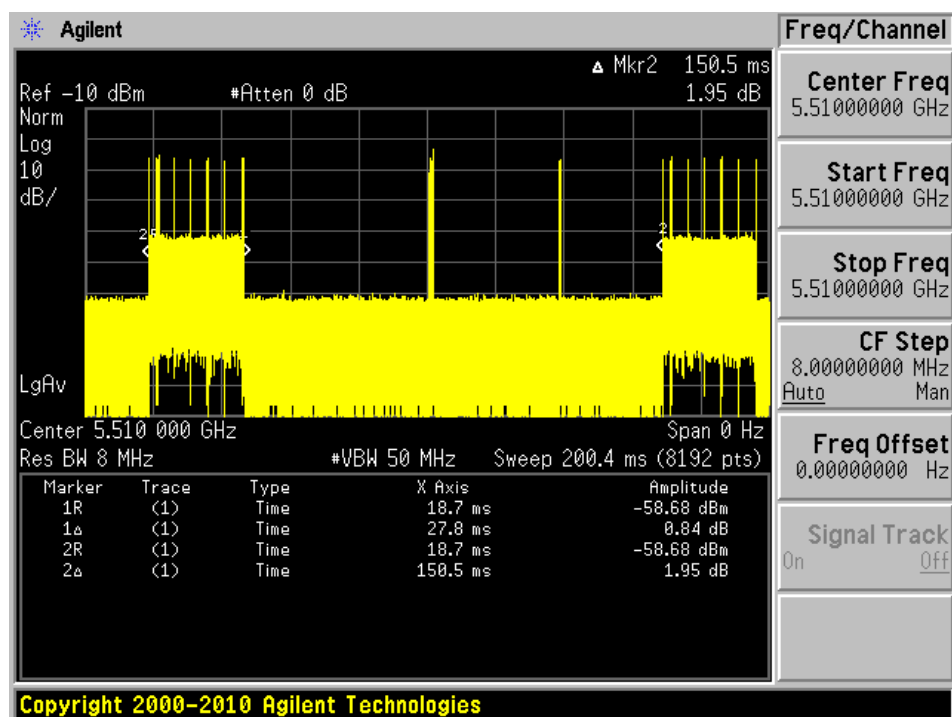
5290 MHz DC FOS



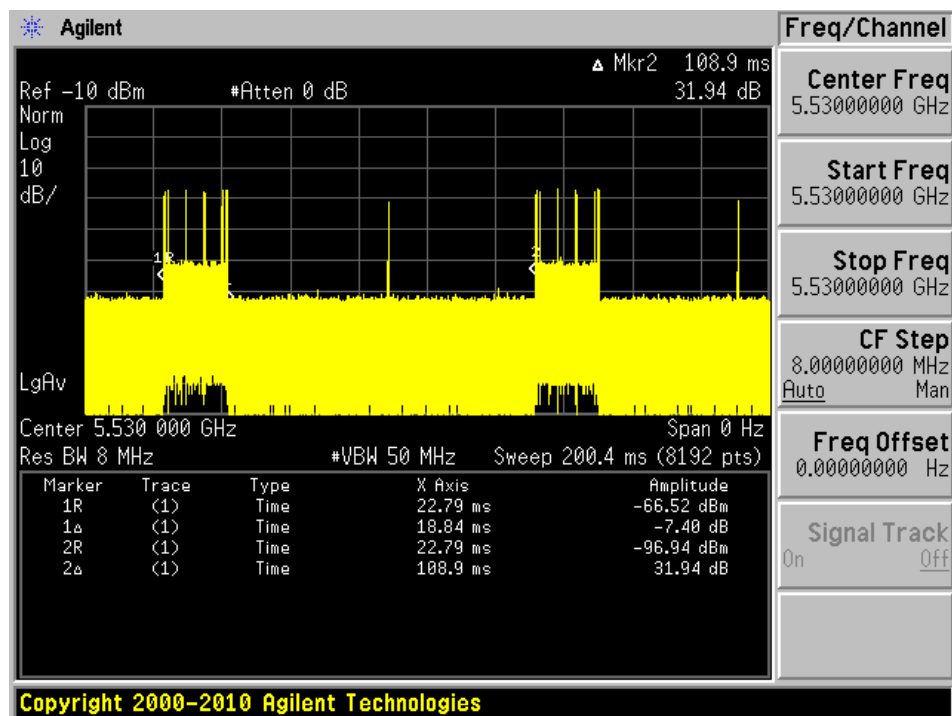
5500 MHz DC FOS



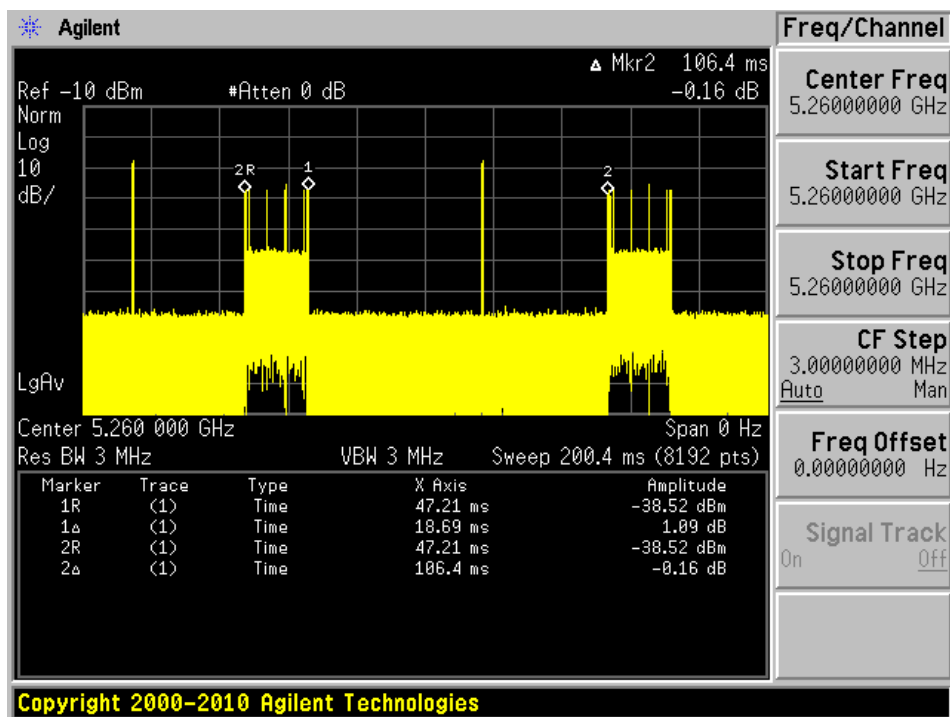
## 5510 MHz DC FOS



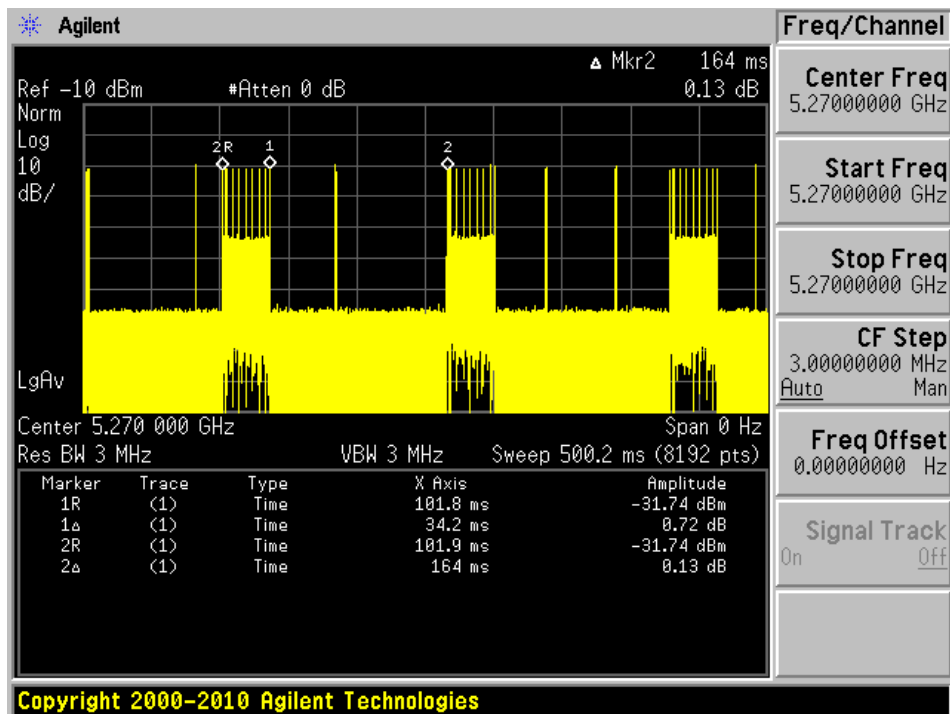
## 5530 MHz DC FOS



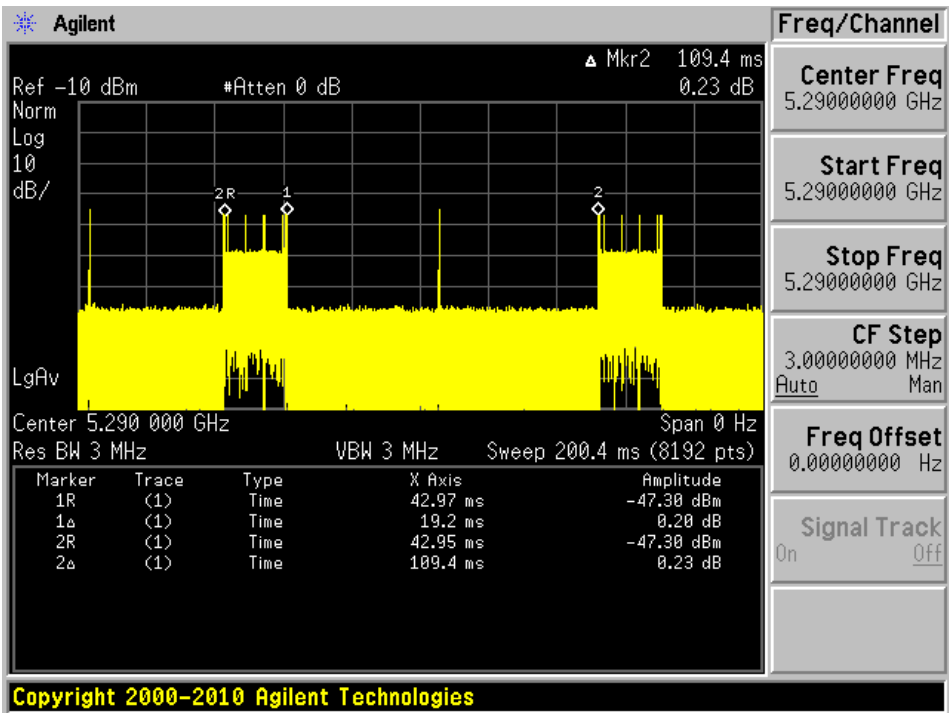
## 5260 MHz DC MERU



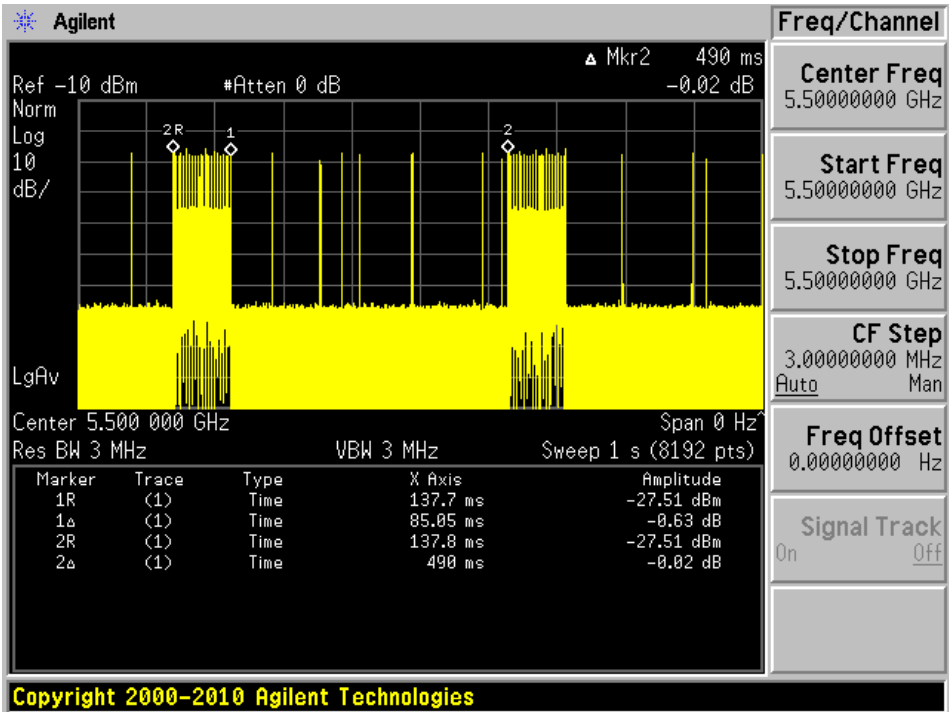
## 5270 MHz DC MERU



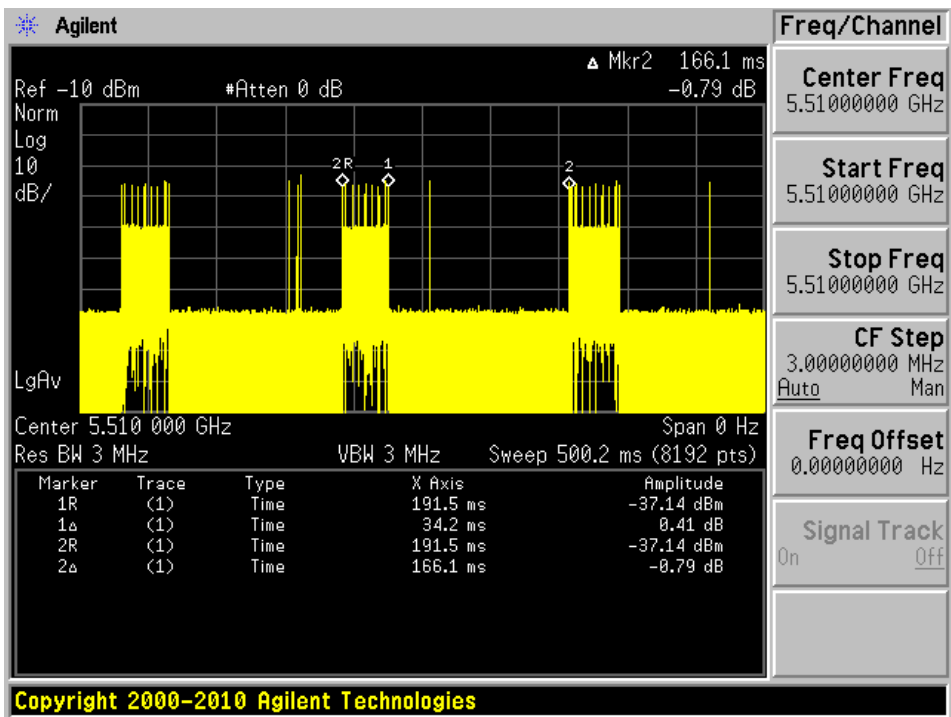
5290 MHz DC MERU



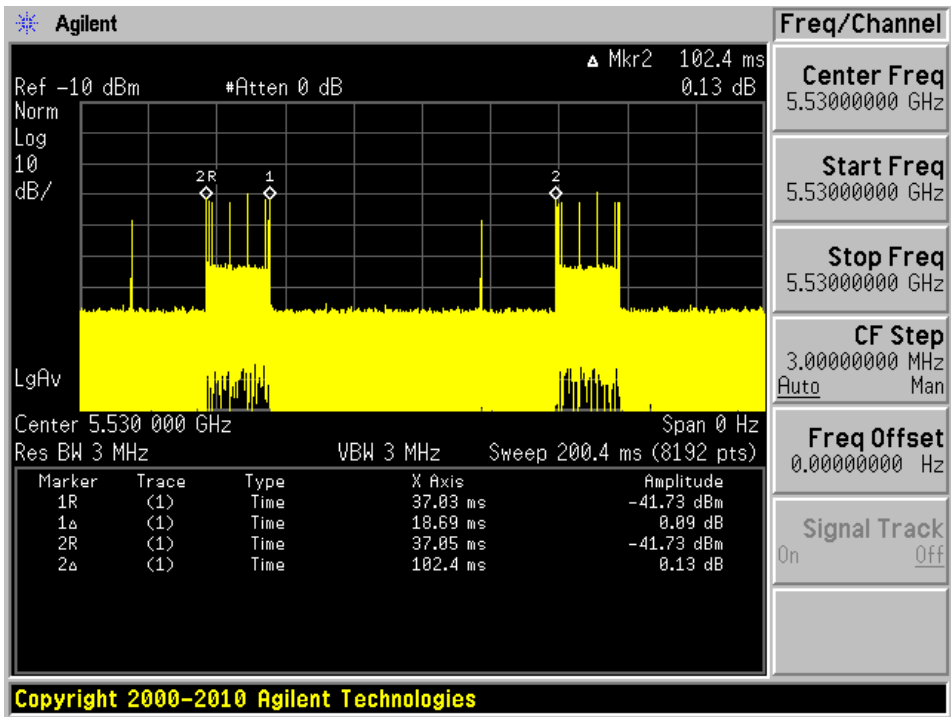
5500 MHz DC MERU



5510 MHz DC MERU



5530 MHz DC MERU



### 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                                         |
| <b>Note:</b> 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 $\geq$ 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                      |
| <p><b>Note 1:</b> This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p><b>Note 2:</b> 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.</p> <p><b>Note3:</b> EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p> |                              |

**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 <i>See Note 1.</i>                                                                                 |
| Channel Closing Transmission Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. <i>See Notes 1 and 2.</i> |
| U-NII Detection Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Minimum 100% of the UNII 99% transmission power bandwidth. <i>See Note 3.</i>                                 |
| <p><b>Note 1:</b> 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.</p> <p><b>Note 2:</b> 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.</p> <p><b>Note 3:</b> 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.</p> |                                                                                                               |

**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<br>Test B: 15 unique PRI values randomly selected within the range of 518-3066 $\mu$ sec, with a minimum increment of 1 $\mu$ sec, excluding PRI values selected in Test A | $\text{Roundup} \left( \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right)$ | 60%                                        | 30                       |
| 2                                                                                                                                           | 1-5                        | 150-230                                                                                                                                                                                                                                                              | 23-29                                                                                                                              | 60%                                        | 30                       |
| 3                                                                                                                                           | 6-10                       | 200-500                                                                                                                                                                                                                                                              | 16-18                                                                                                                              | 60%                                        | 30                       |
| 4                                                                                                                                           | 11-20                      | 200-500                                                                                                                                                                                                                                                              | 12-16                                                                                                                              | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4)                                                                                                                 |                            |                                                                                                                                                                                                                                                                      |                                                                                                                                    | 80%                                        | 120                      |
| <b>Note 1:</b> Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. |                            |                                                                                                                                                                                                                                                                      |                                                                                                                                    |                                            |                          |

**Table 6: Long Pulse Radar Test Signal**

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

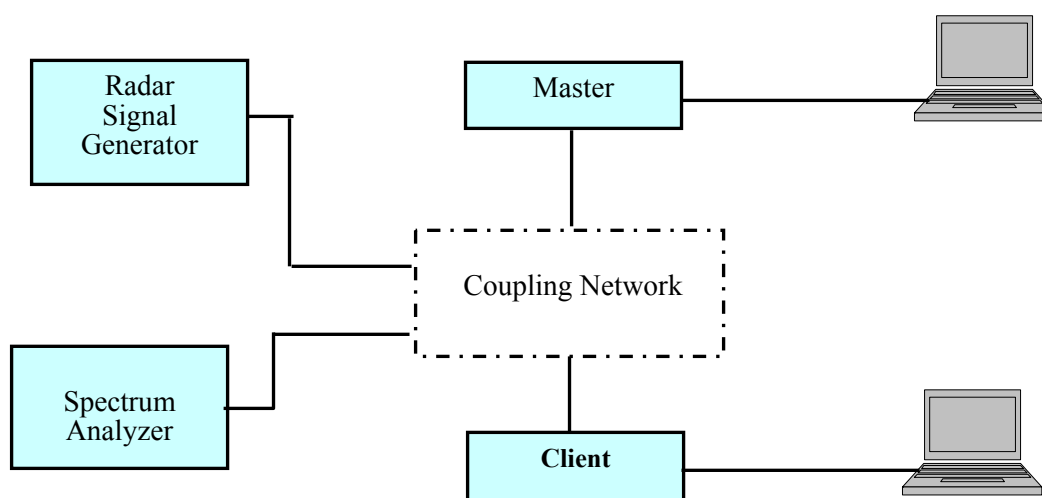
**Table 7: Frequency Hopping Radar Test Signal**

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

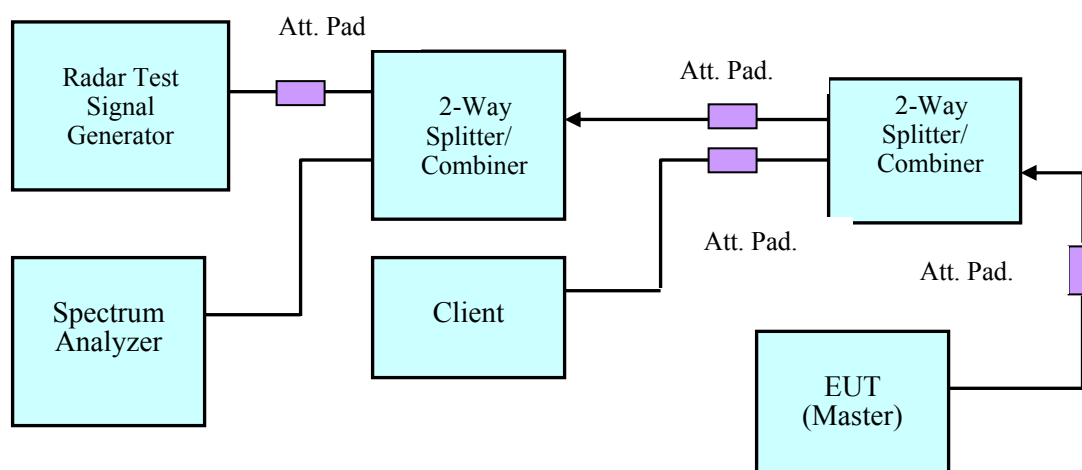
## 4.2 DFS Measurement System

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

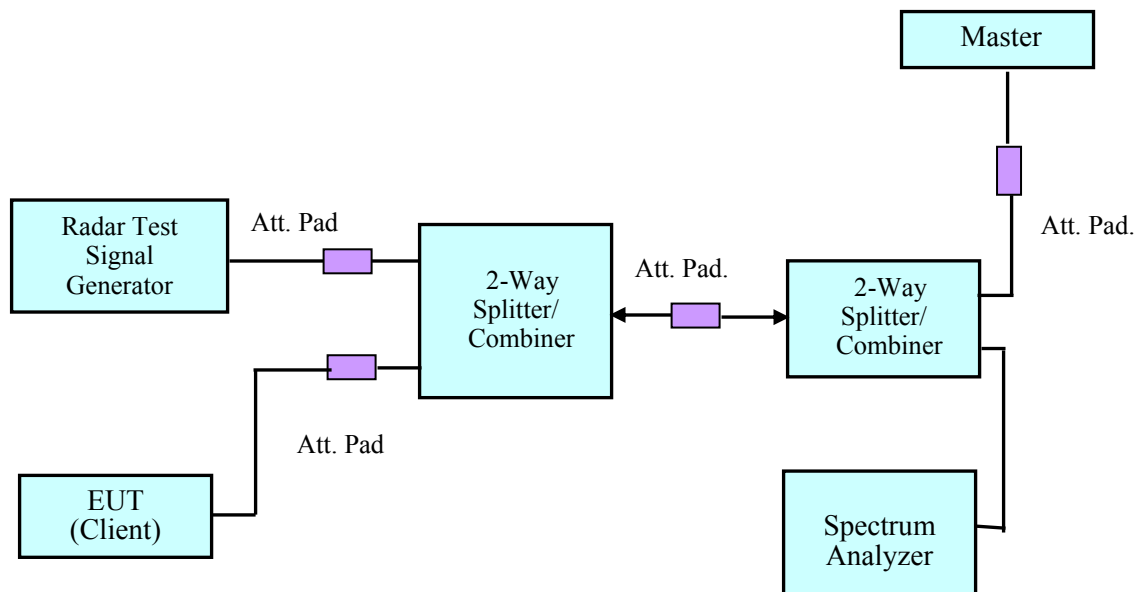
## 4.3 System Block Diagram



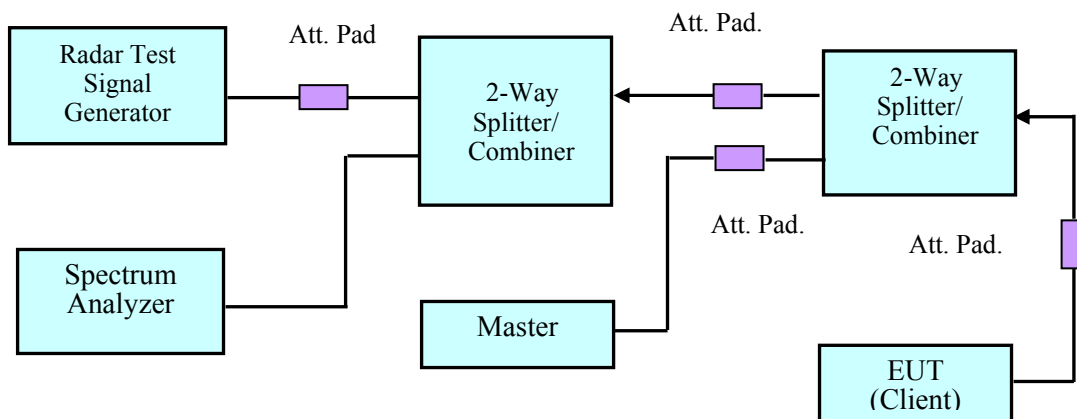
## 4.4 Conducted Method



**Setup for Master with injection at the Master**

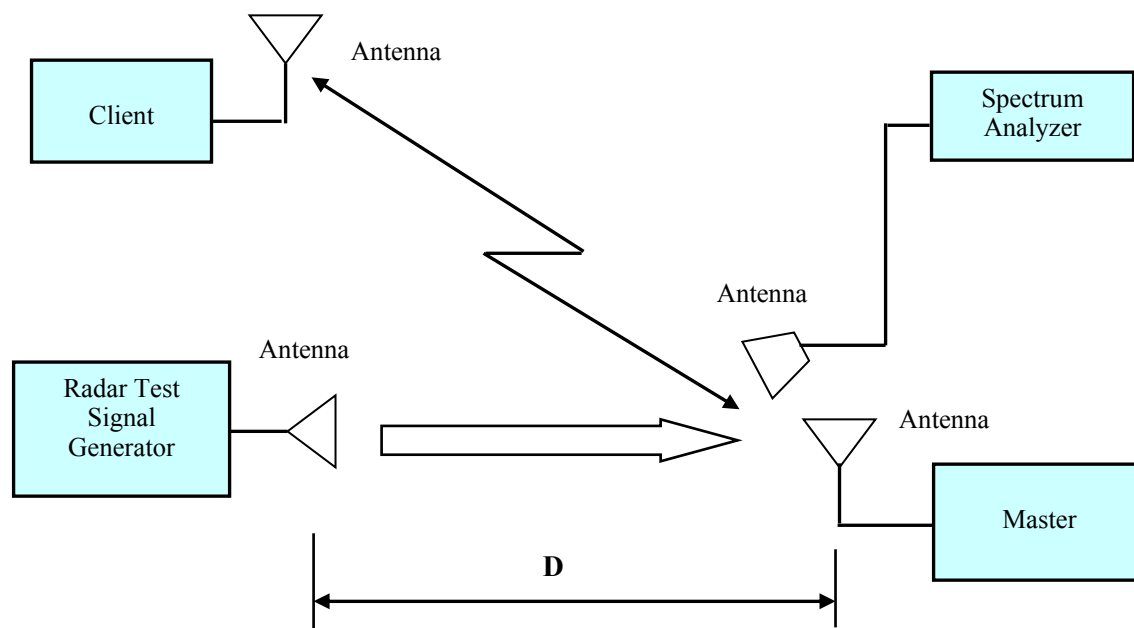


**Setup for Client with injection at the Master**



**Setup for Client with injection at the Client**

## 4.5 Radiated Method



## 4.6 Test Procedure

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

## 5 Test Results

### 5.1 Description of EUT

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

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

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

WLAN traffic 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               |

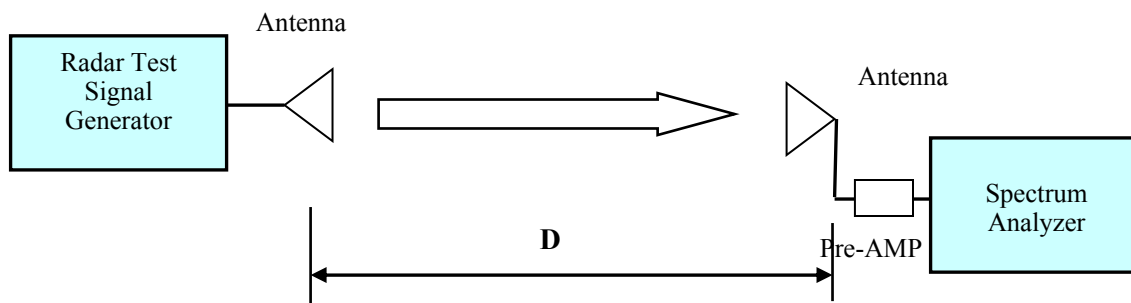
The WLAN External Antenna has been used for testing as it has smaller antenna gain which is worst case.

### 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



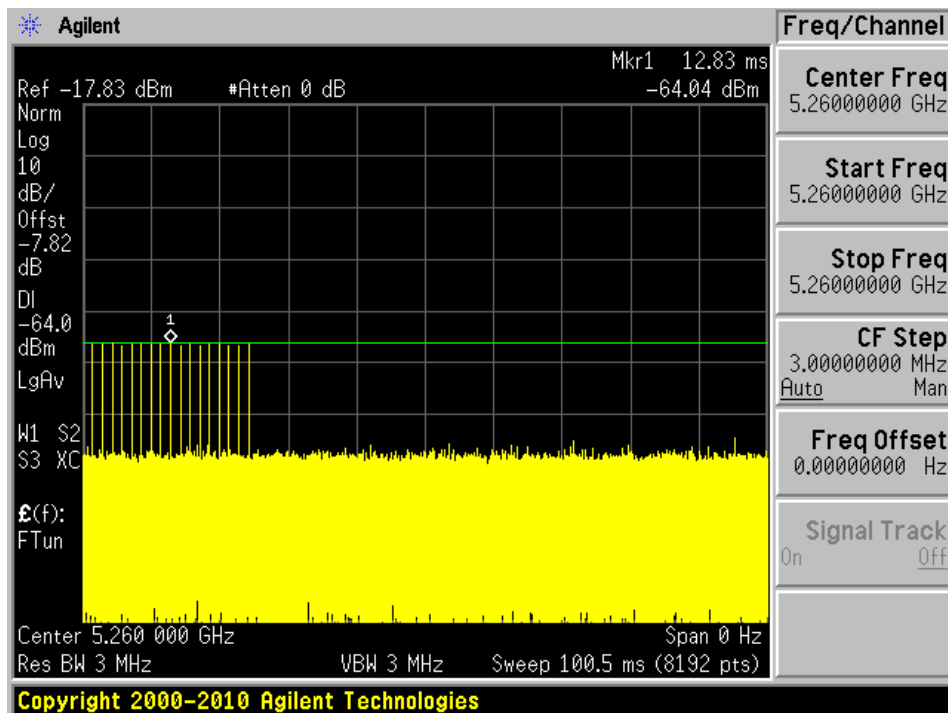
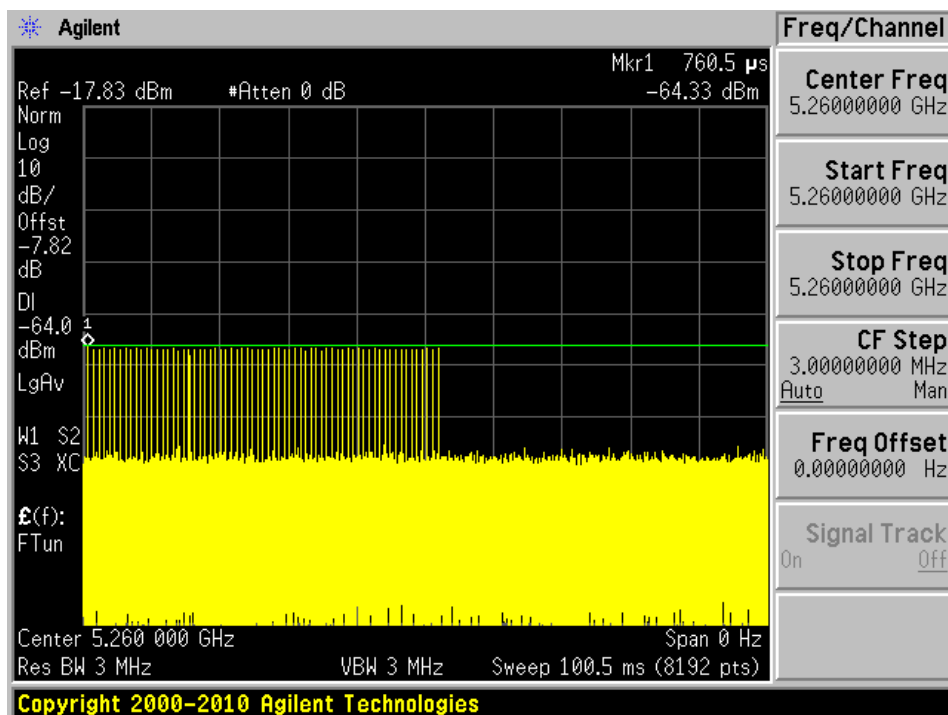
**Radiated Calibration Setup Block Diagram**

### 5.5 Test Environmental Conditions

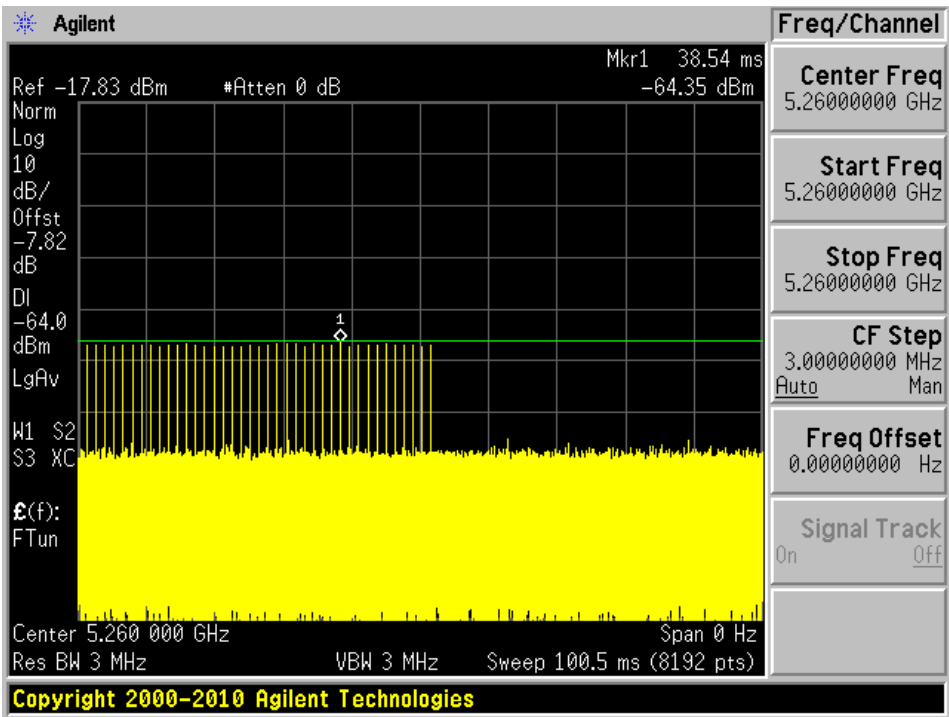
|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 22-25° C  |
| <b>Relative Humidity:</b> | 45-48 %   |
| <b>ATM Pressure:</b>      | 102.1 kPa |

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

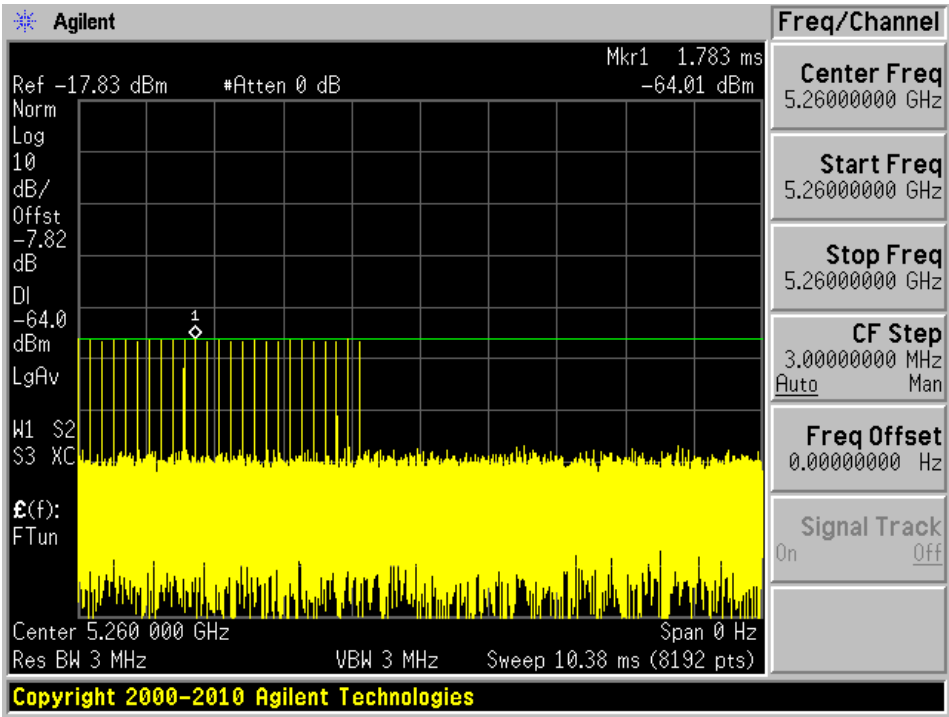


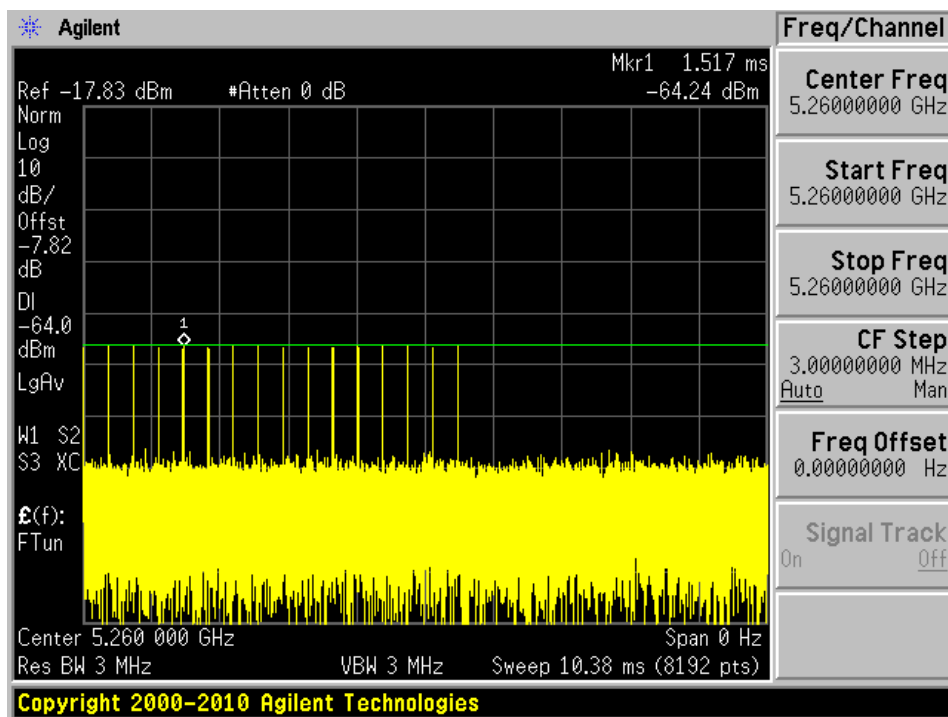
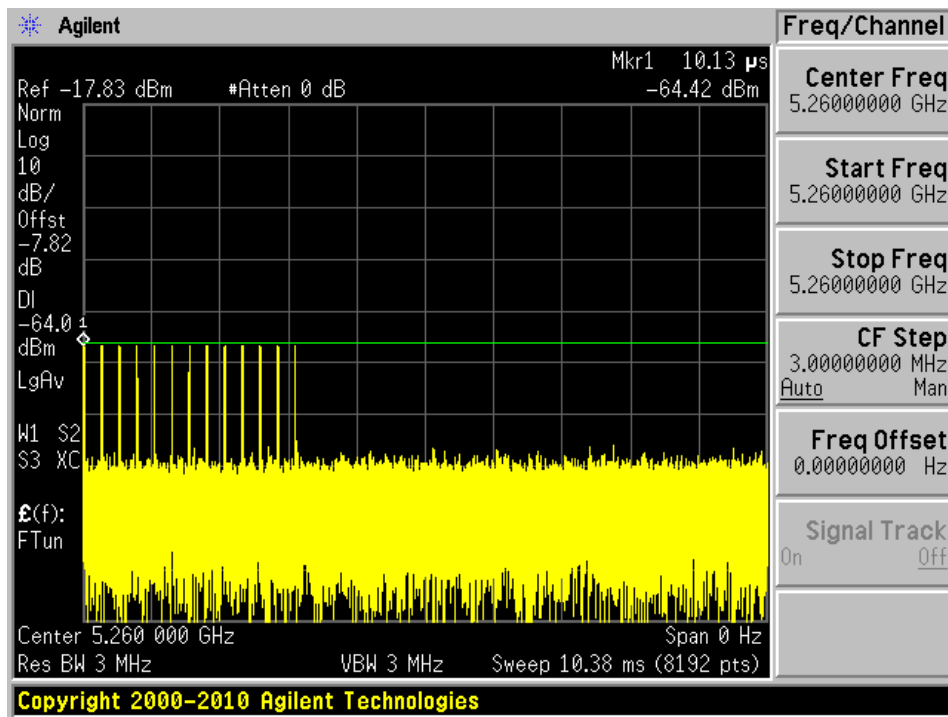
**Plots of Radar Waveforms****5260 MHz Type 0 Calibration****5260 MHz Type 1A Calibration**

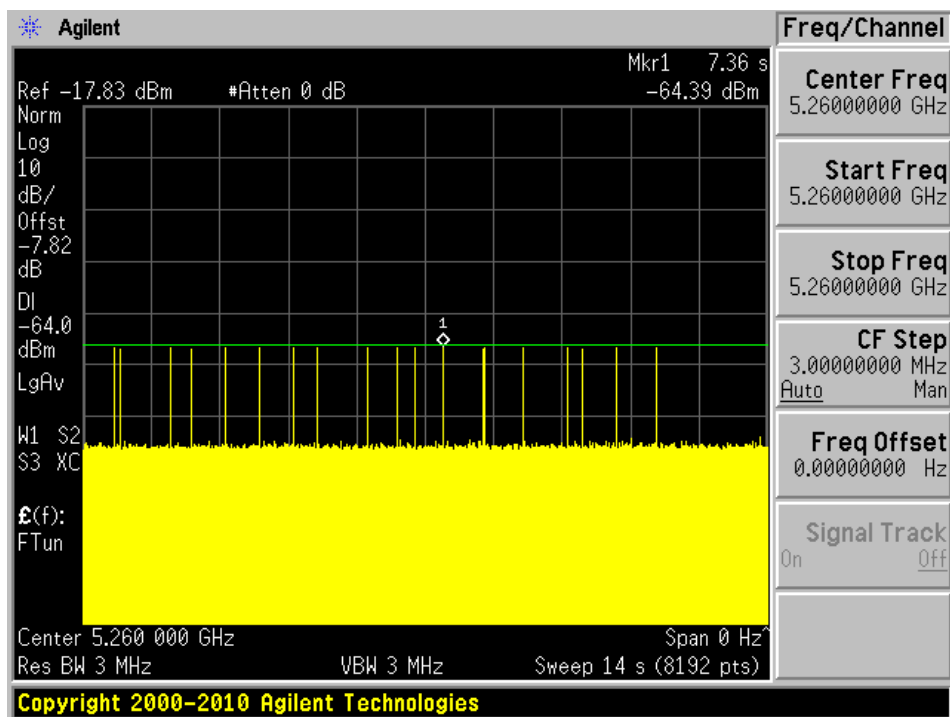
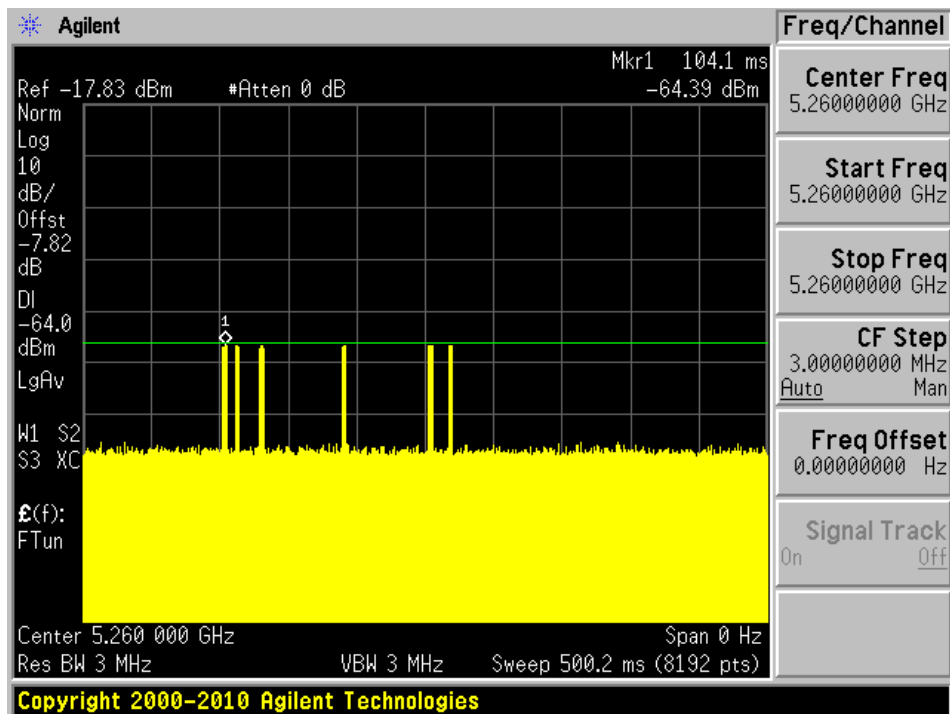
5260 MHz Type 1B Calibration

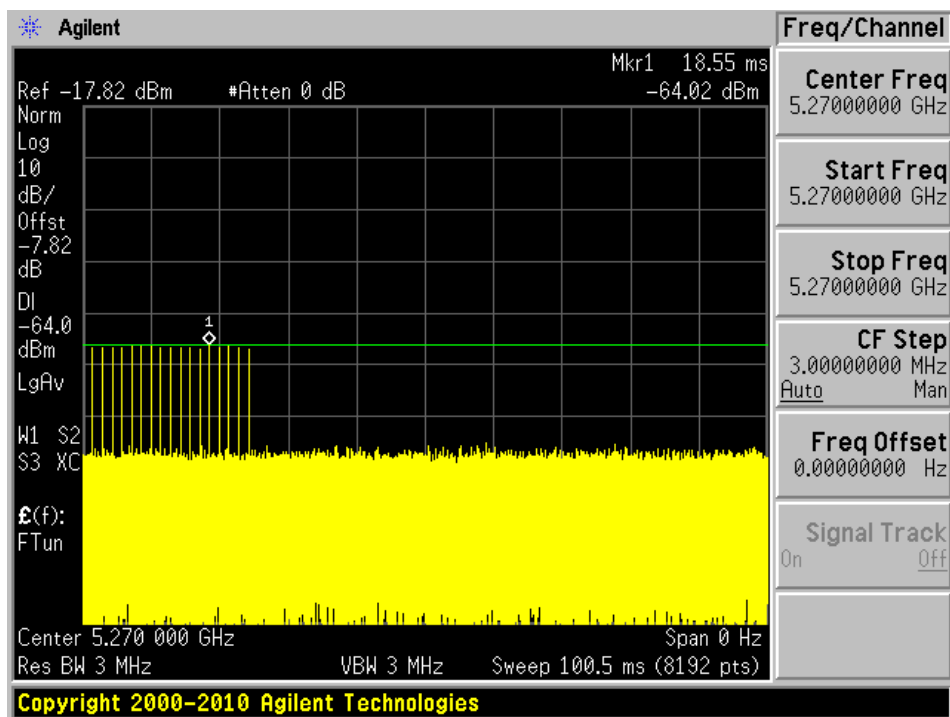
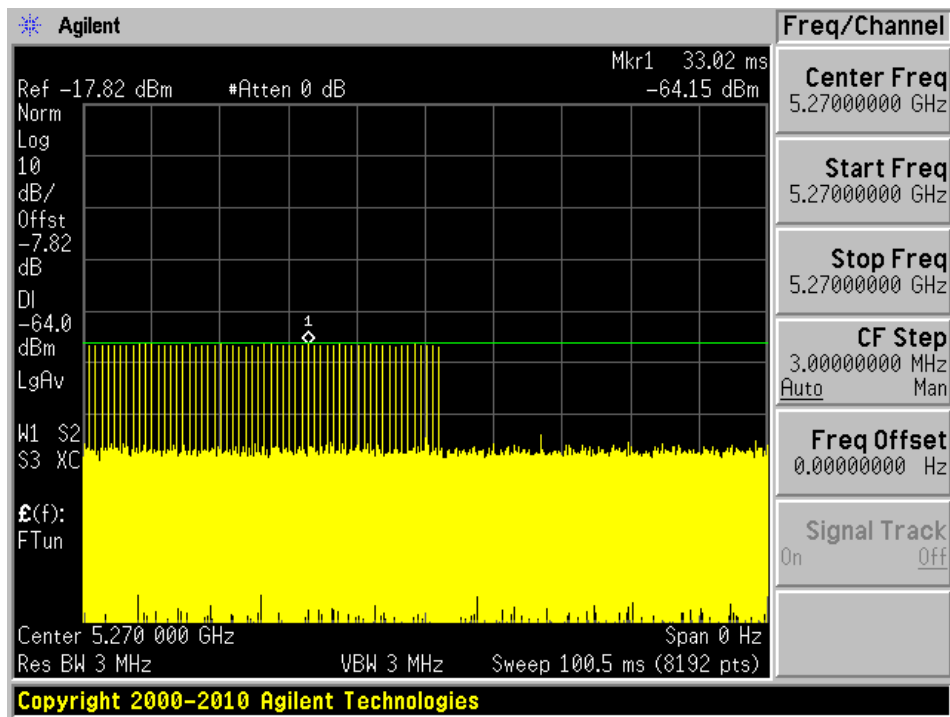


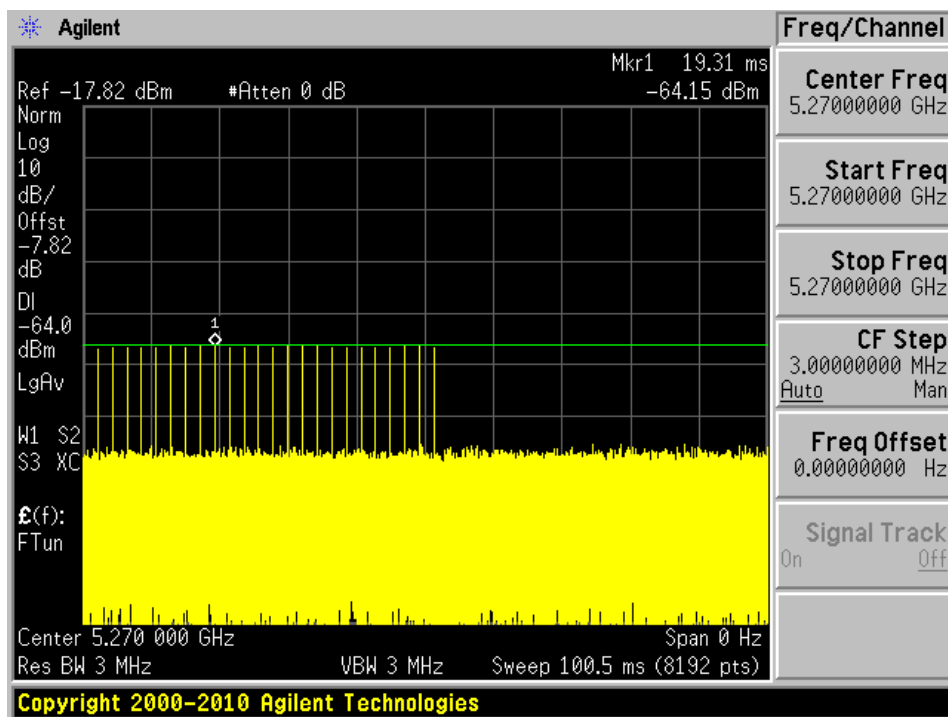
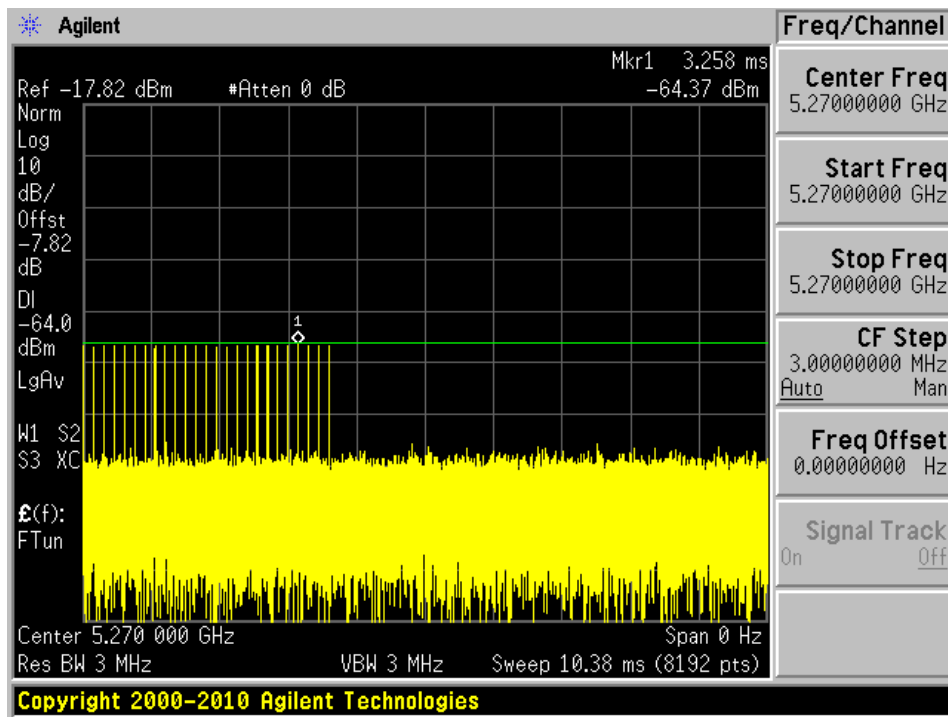
5260 MHz Type 2 Calibration



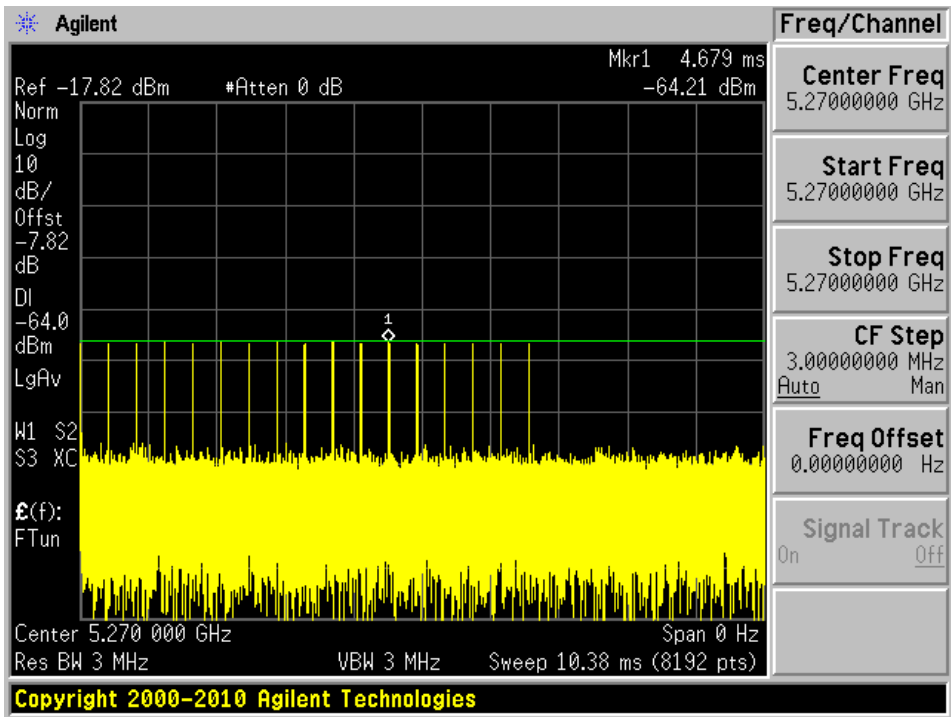
**5260 MHz Type 3 Calibration****5260 MHz Type 4 Calibration**

**5260 MHz Type 5 Calibration****5260 MHz Type 6 Calibration**

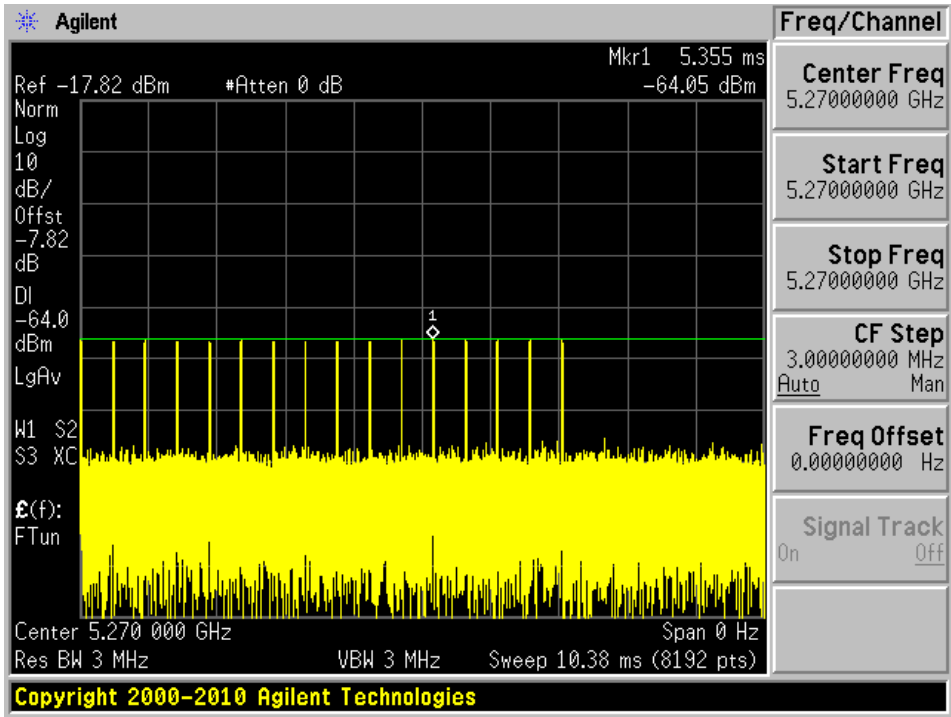
**5270 MHz Type 0 Calibration****5270 MHz Type 1A Calibration**

**5270 MHz Type 1B Calibration****5270 MHz Type 2 Calibration**

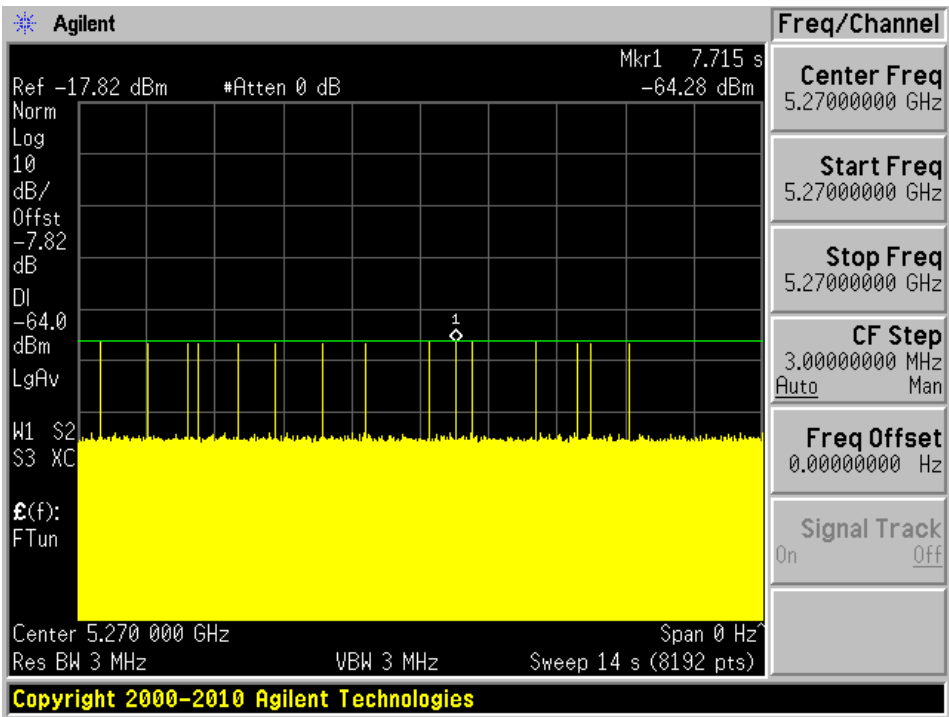
5270 MHz Type 3 Calibration



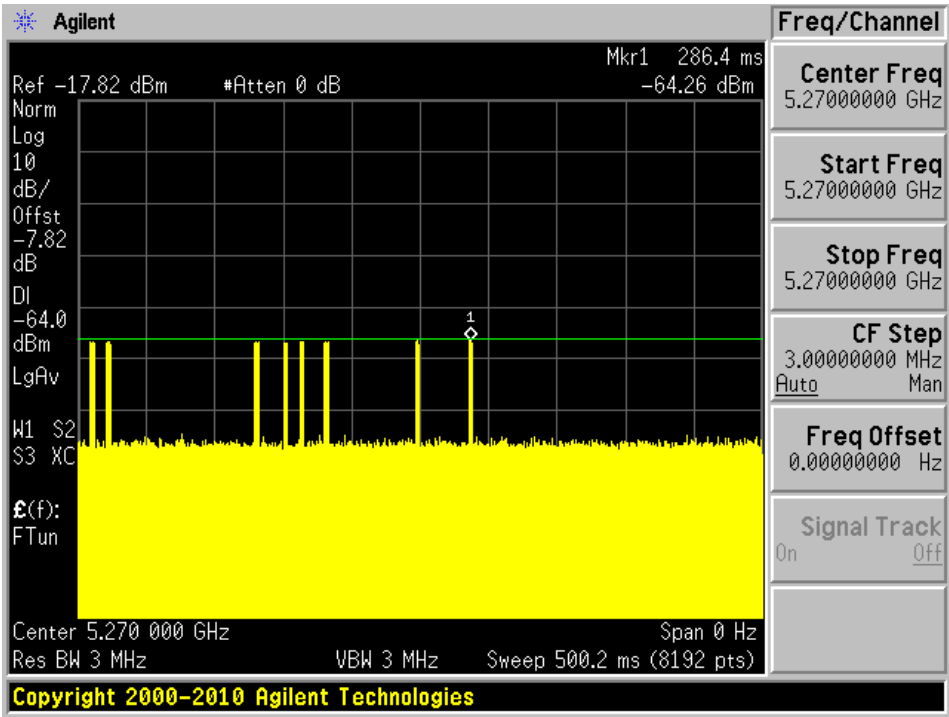
5270 MHz Type 4 Calibration



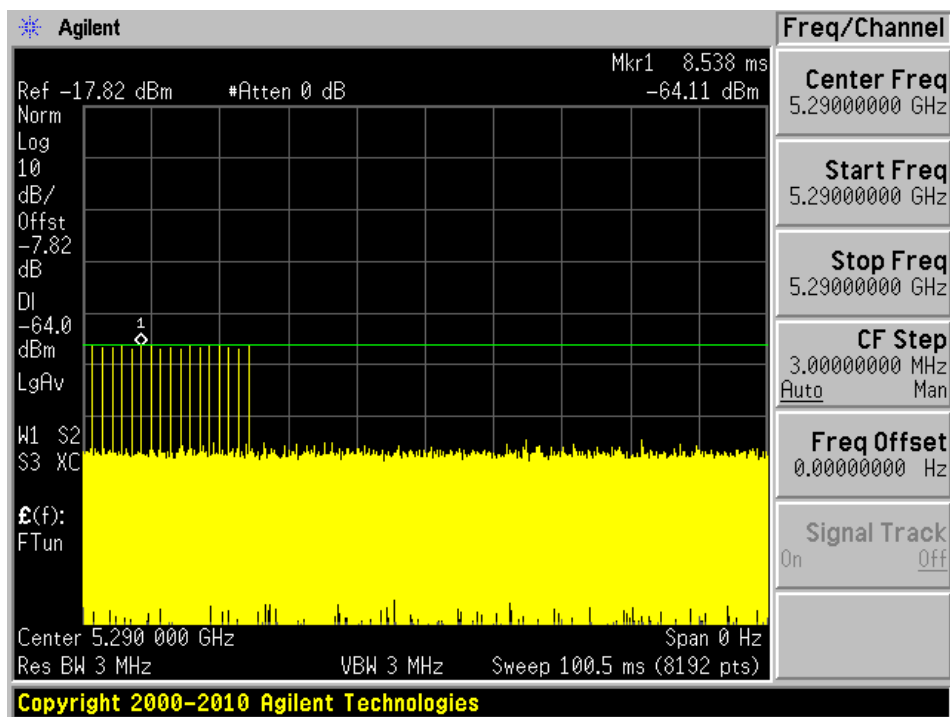
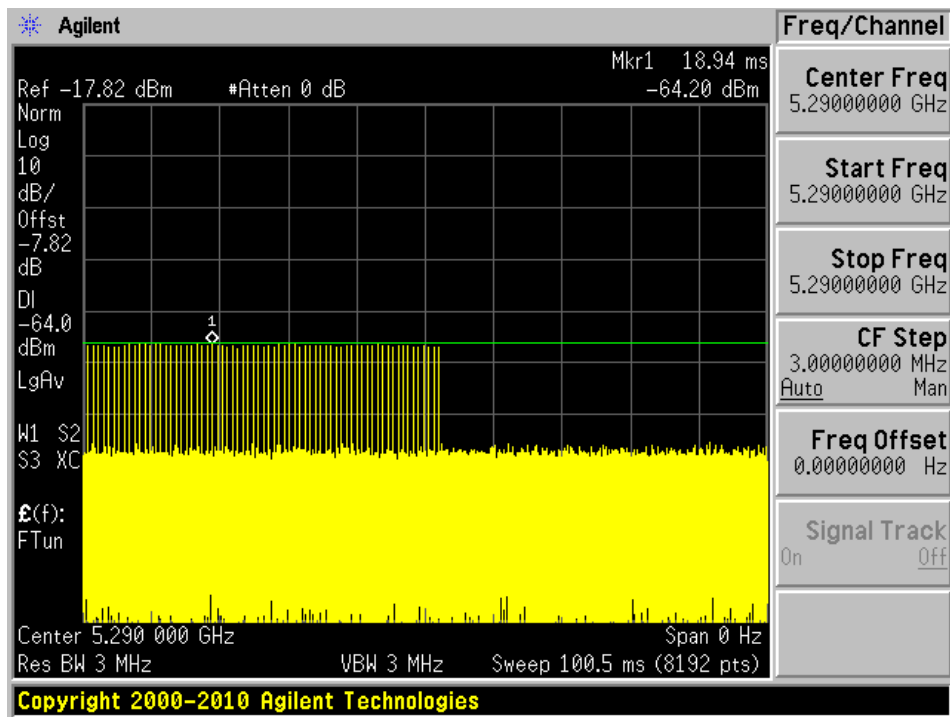
5270 MHz Type 5 Calibration



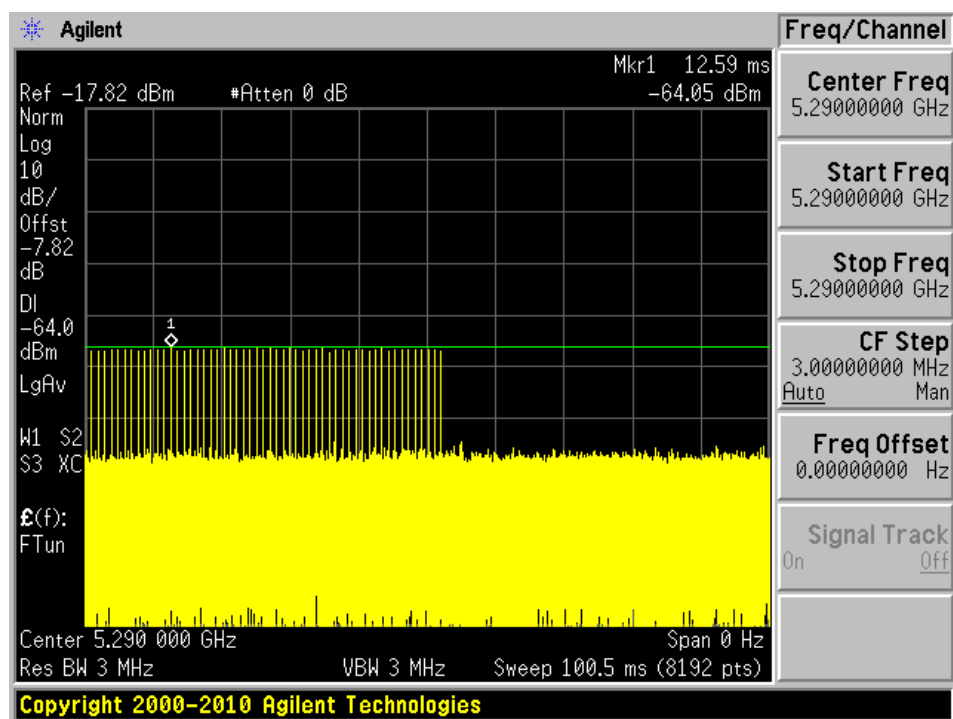
5270 MHz Type 6 Calibration



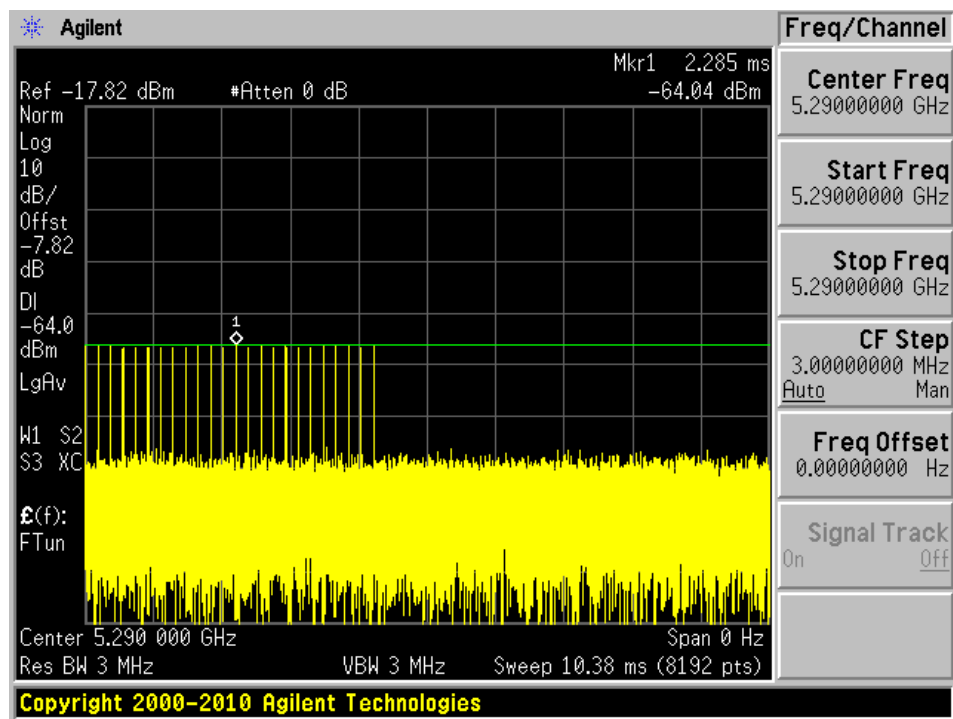


**5290 MHz Type 0 Calibration****5290 MHz Type 1A Calibration**

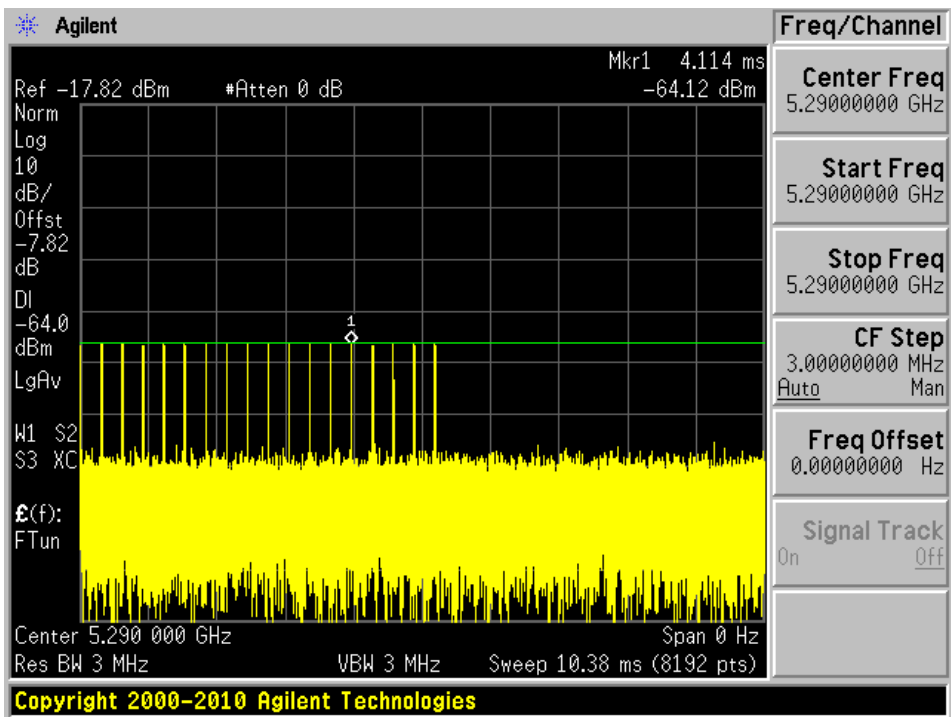
## 5290 MHz Type 1B Calibration



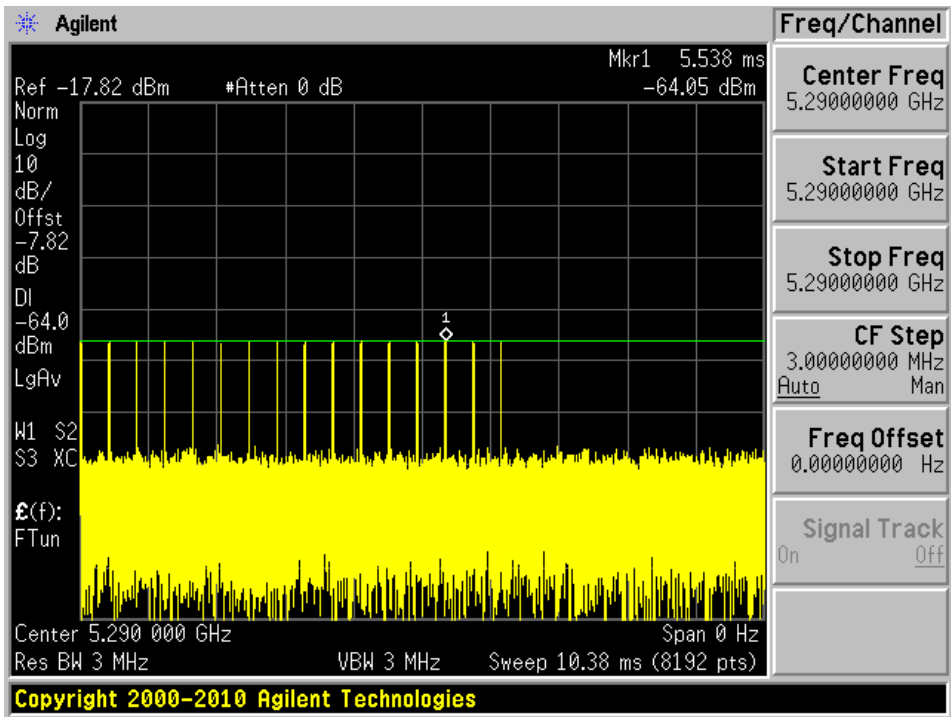
## 5290 MHz Type 2 Calibration



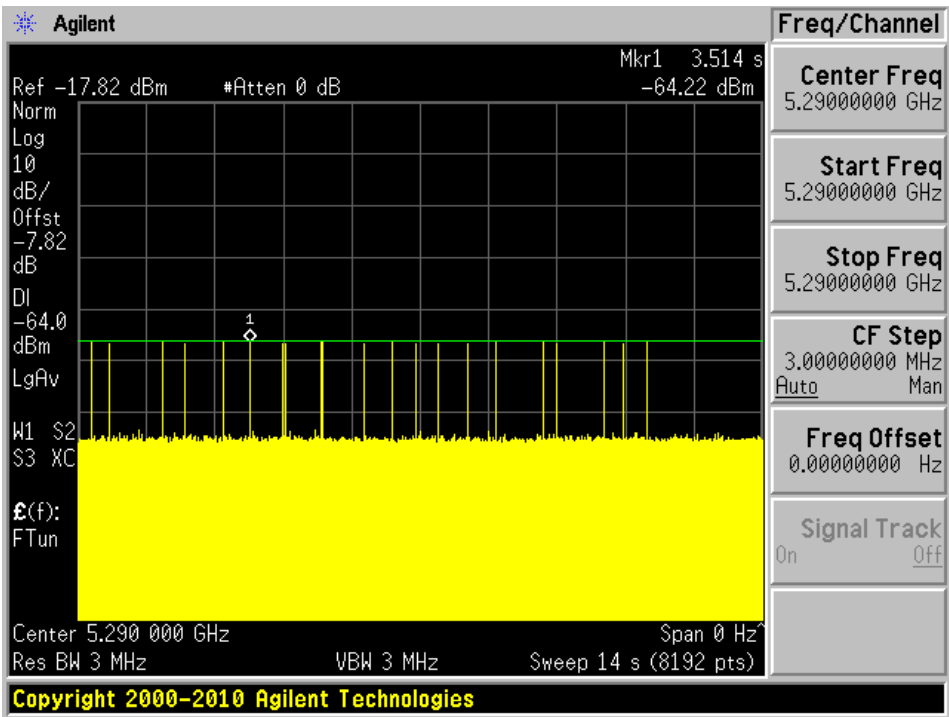
5290 MHz Type 3 Calibration



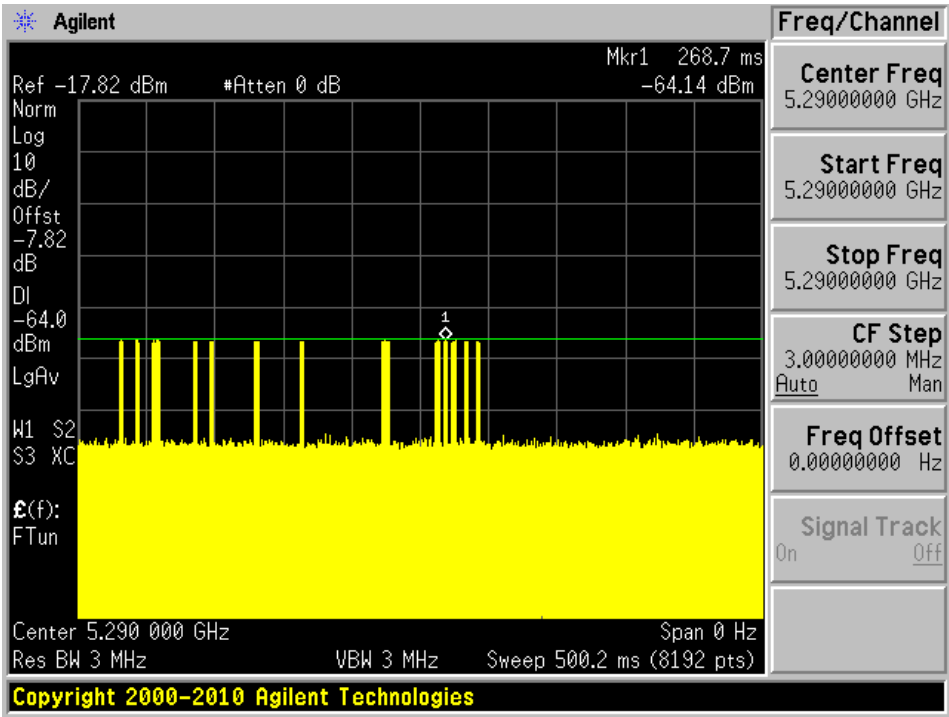
5290 MHz Type 4 Calibration

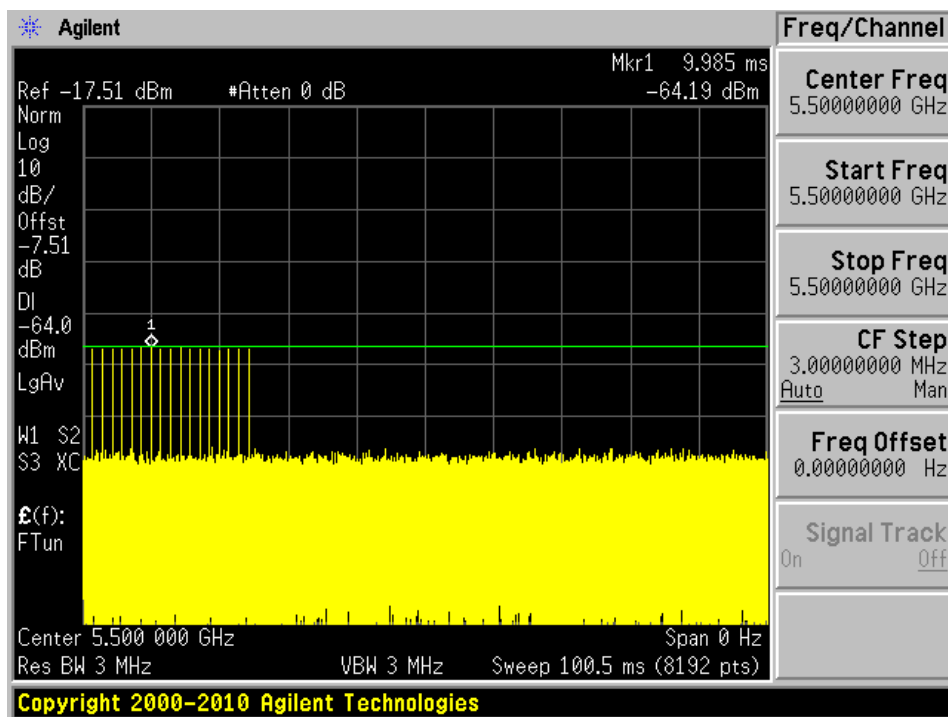
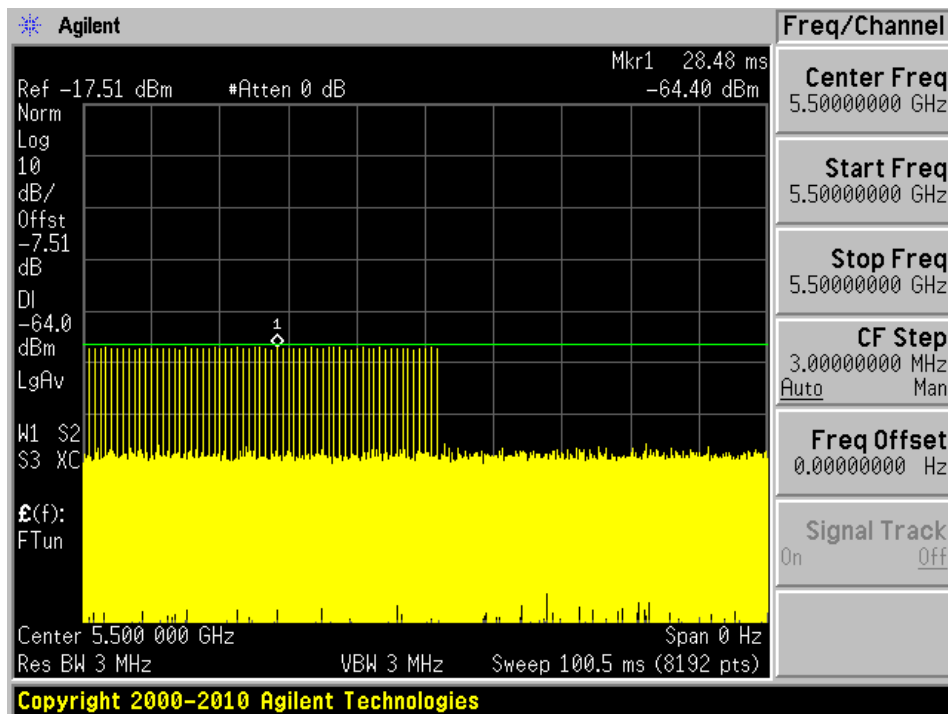


5290 MHz Type 5 Calibration

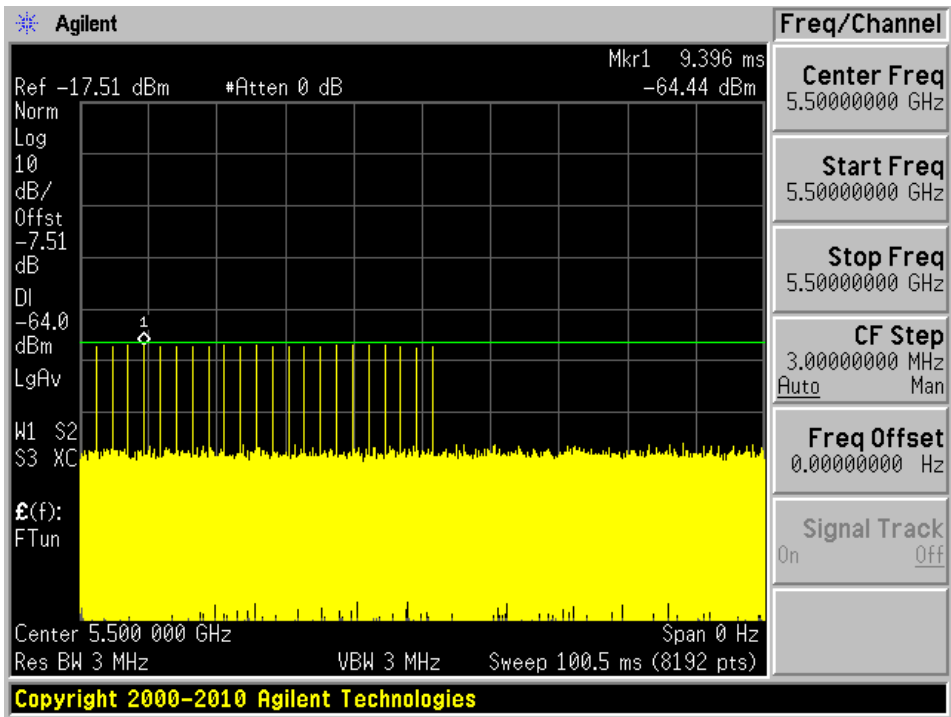


5290 MHz Type 6 Calibration

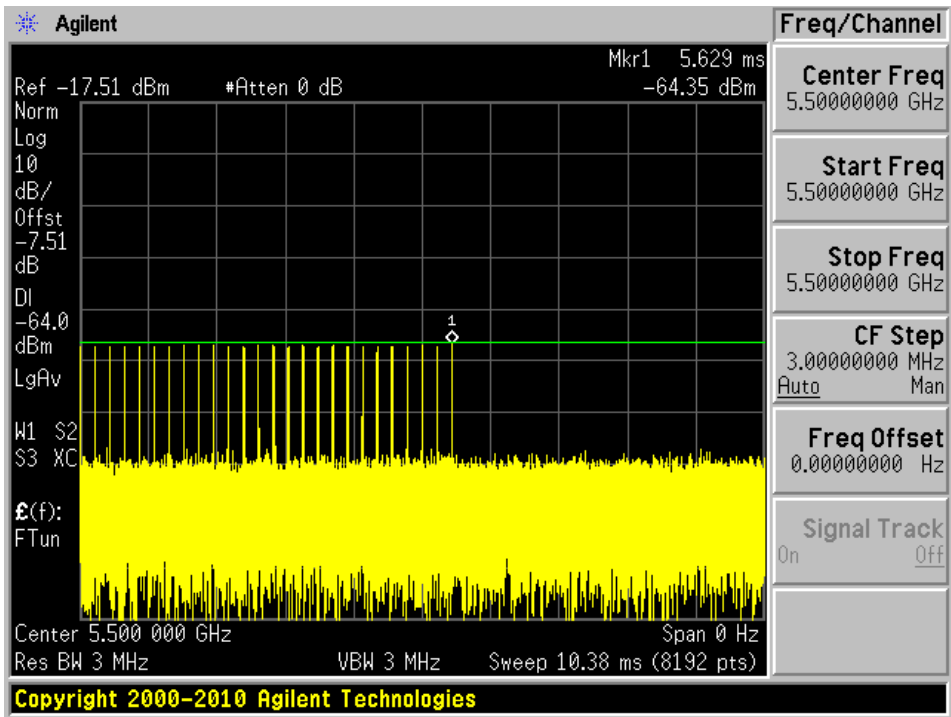


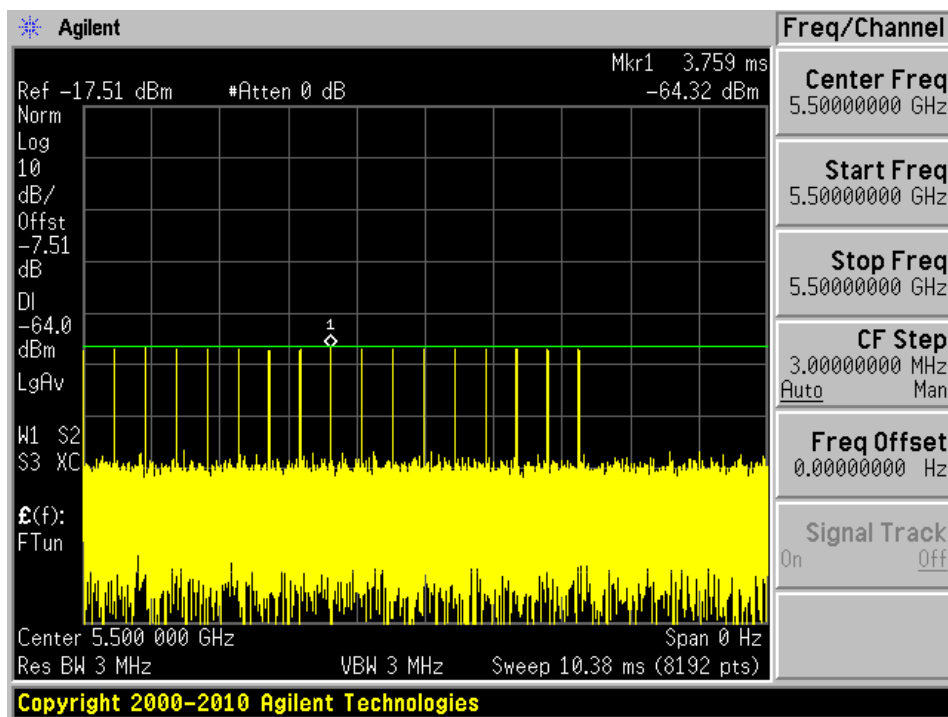
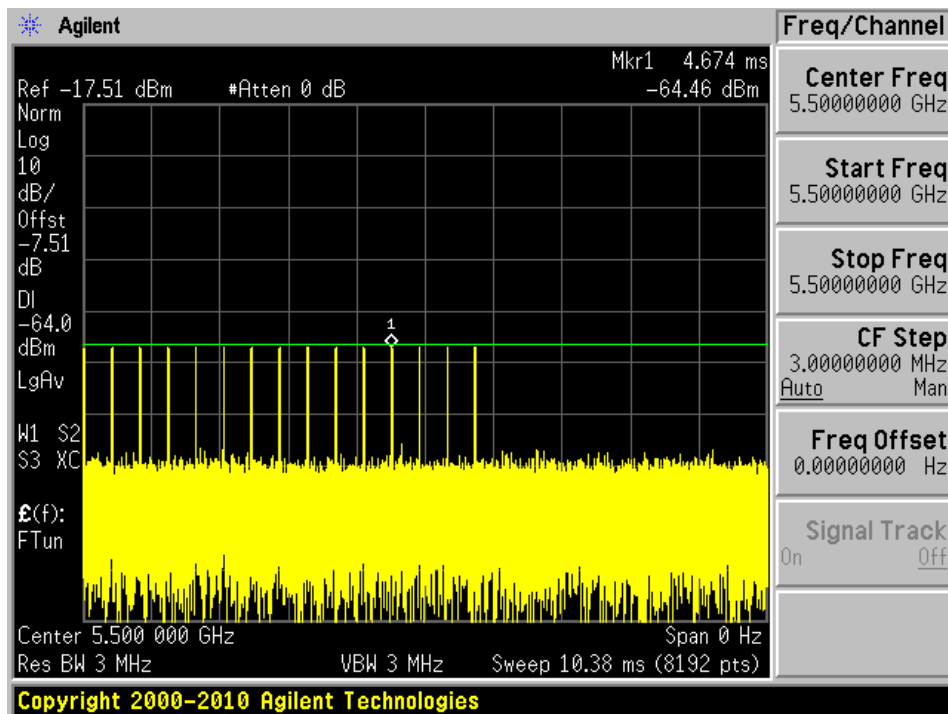
**5500 MHz Type 0 Calibration****5500 MHz Type 1A Calibration**

5500 MHz Type 1B Calibration

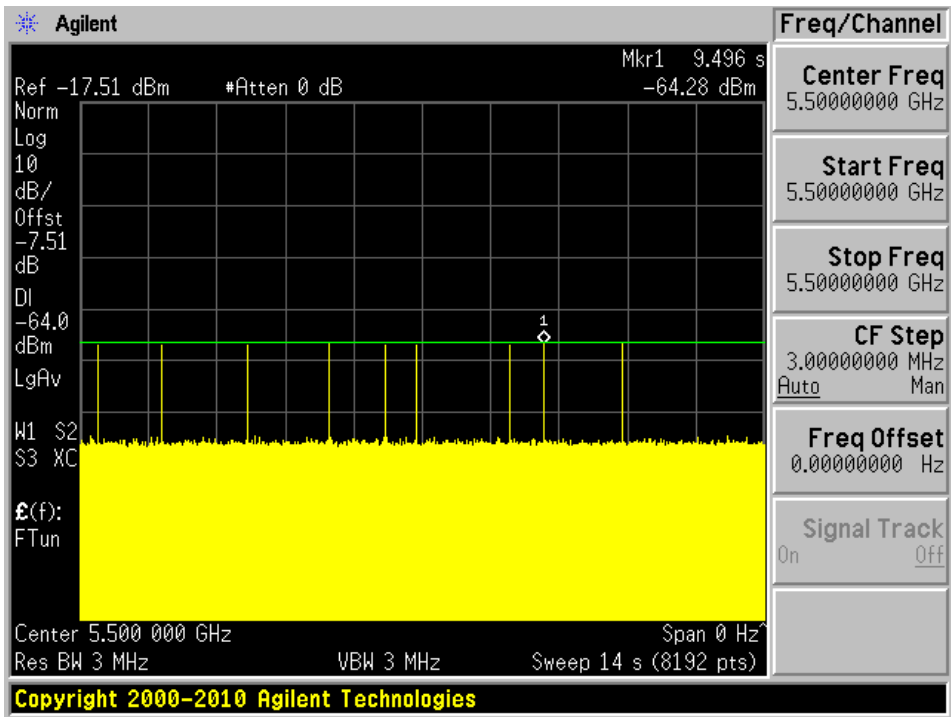


5500 MHz Type 2 Calibration

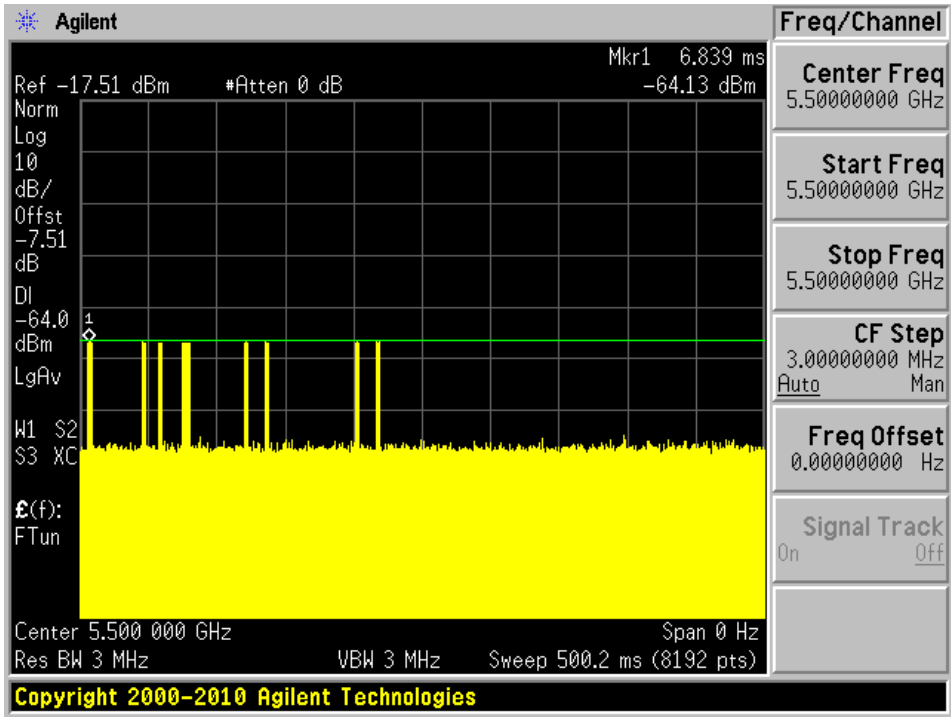


**5500 MHz Type 3 Calibration****5500 MHz Type 4 Calibration**

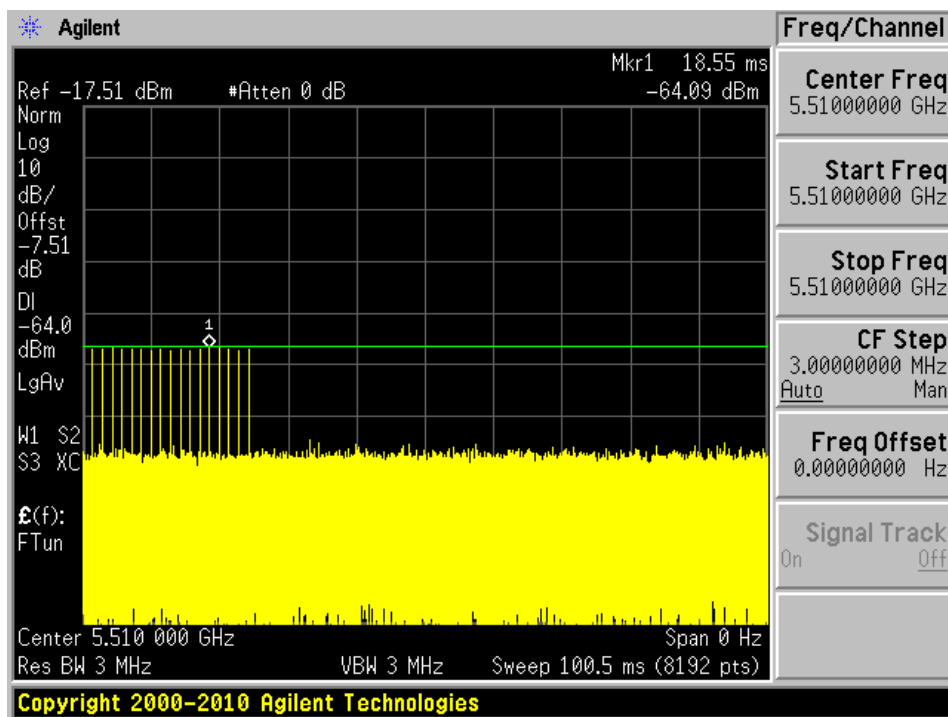
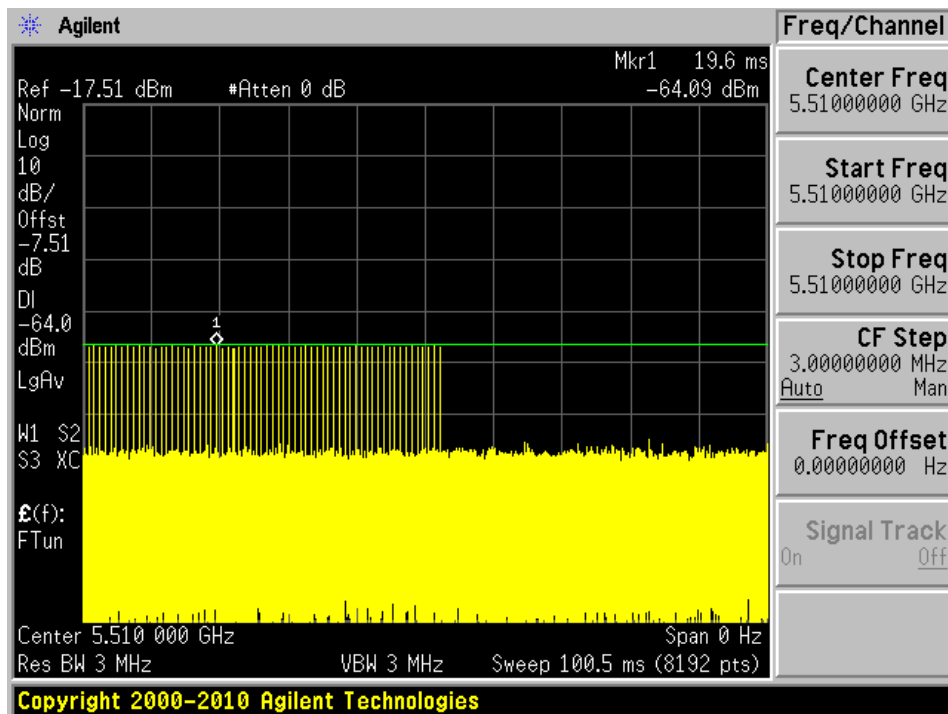
5500 MHz Type 5 Calibration

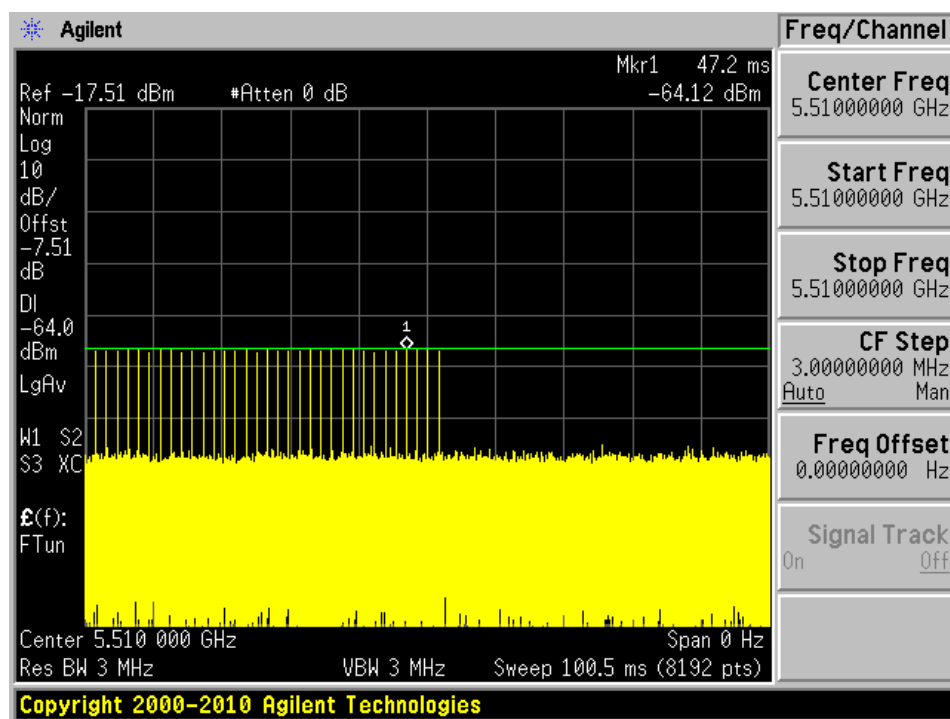
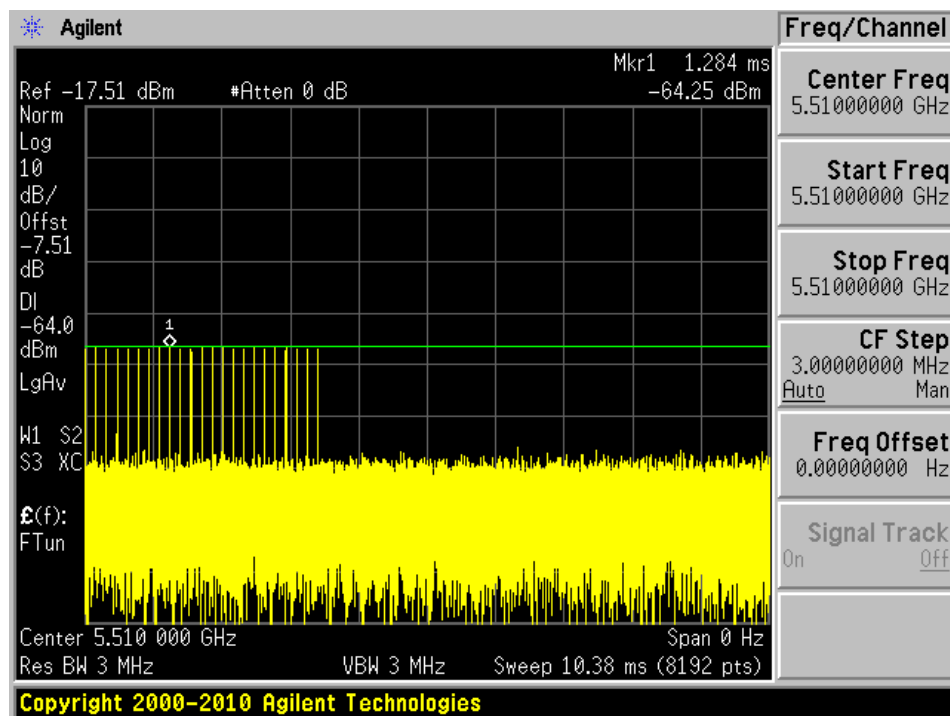


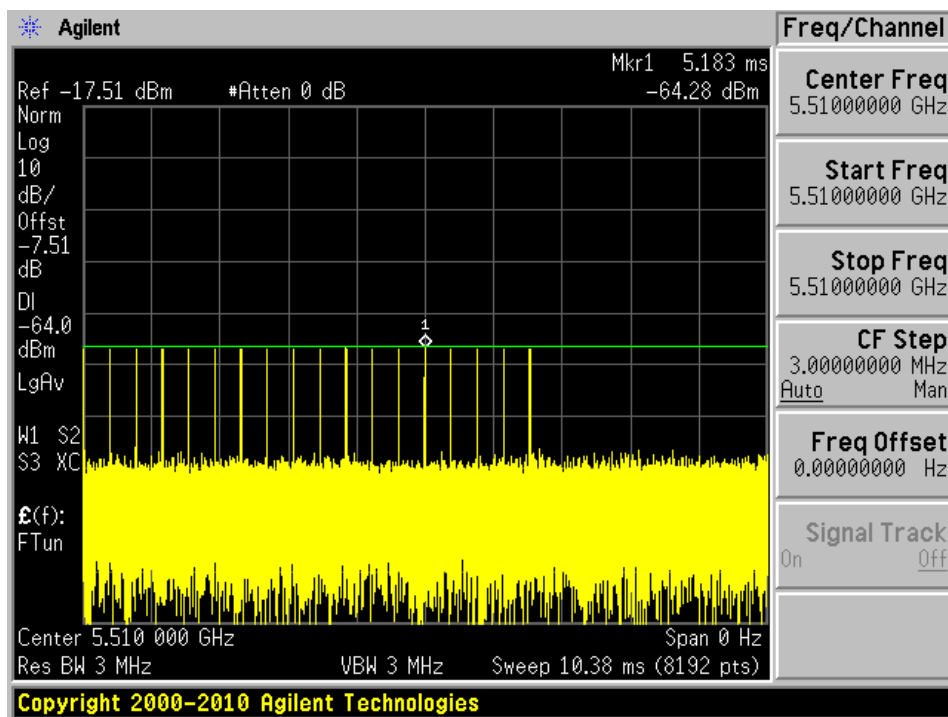
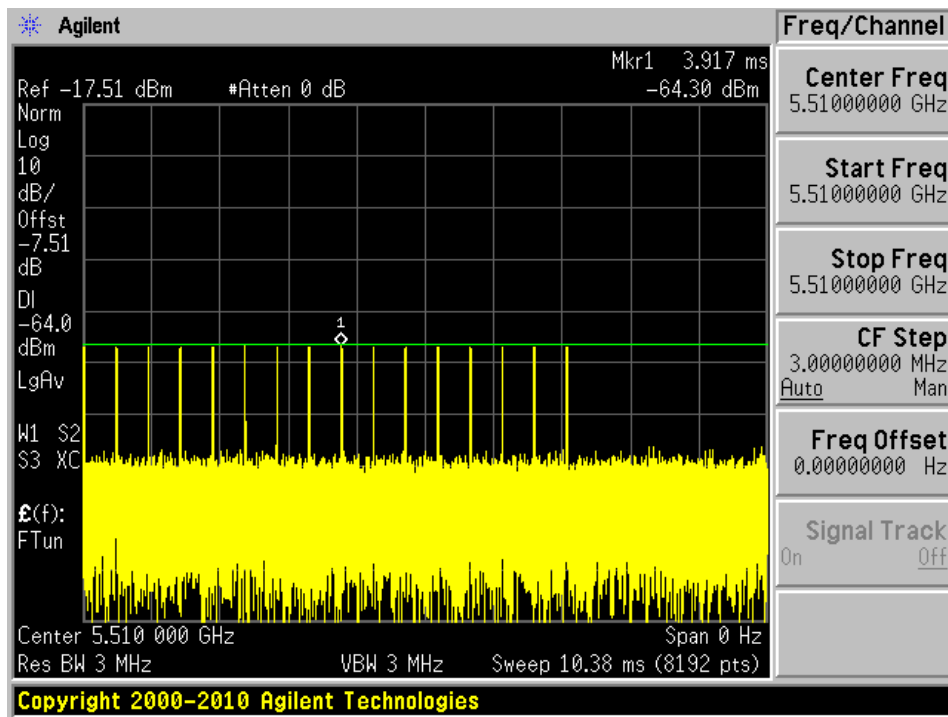
5500 MHz Type 6 Calibration



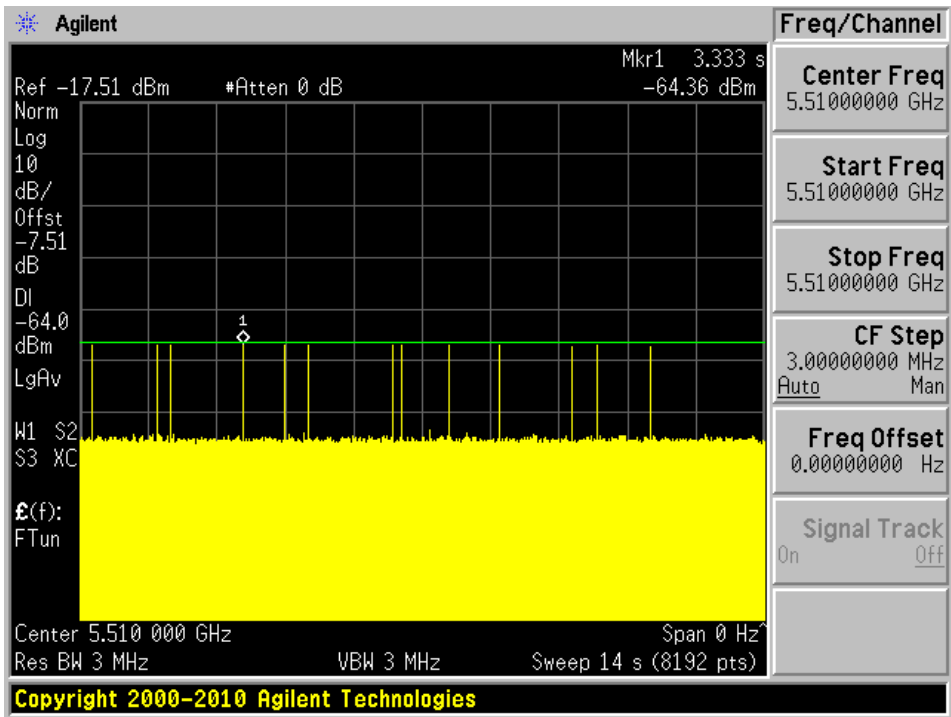


**5510 MHz Type 0 Calibration****5510 MHz Type 1A Calibration**

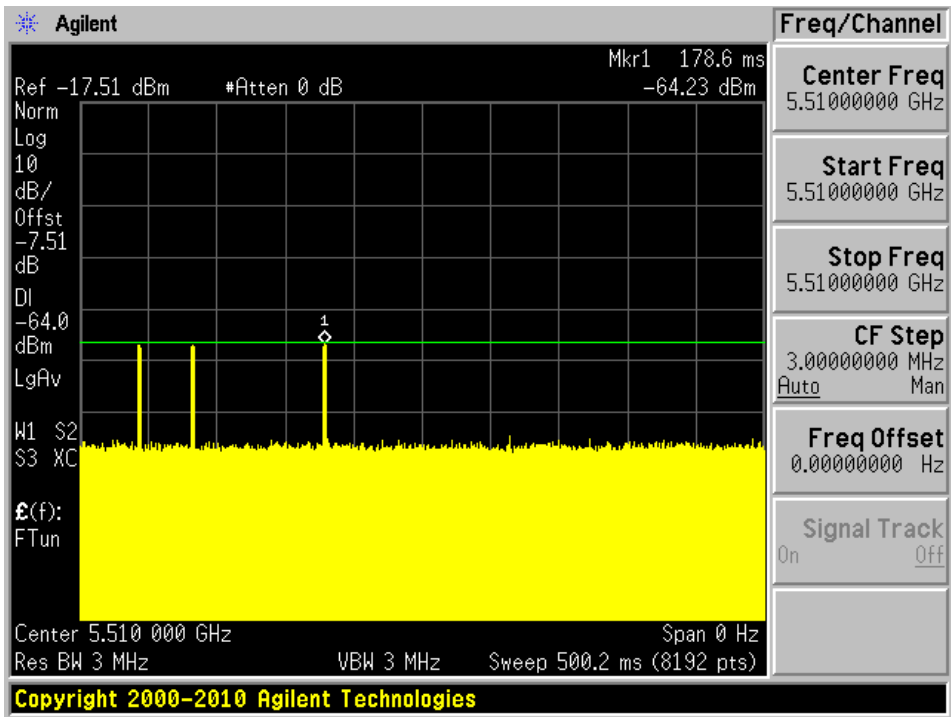
**5510 MHz Type 1B Calibration****5510 MHz Type 2 Calibration**

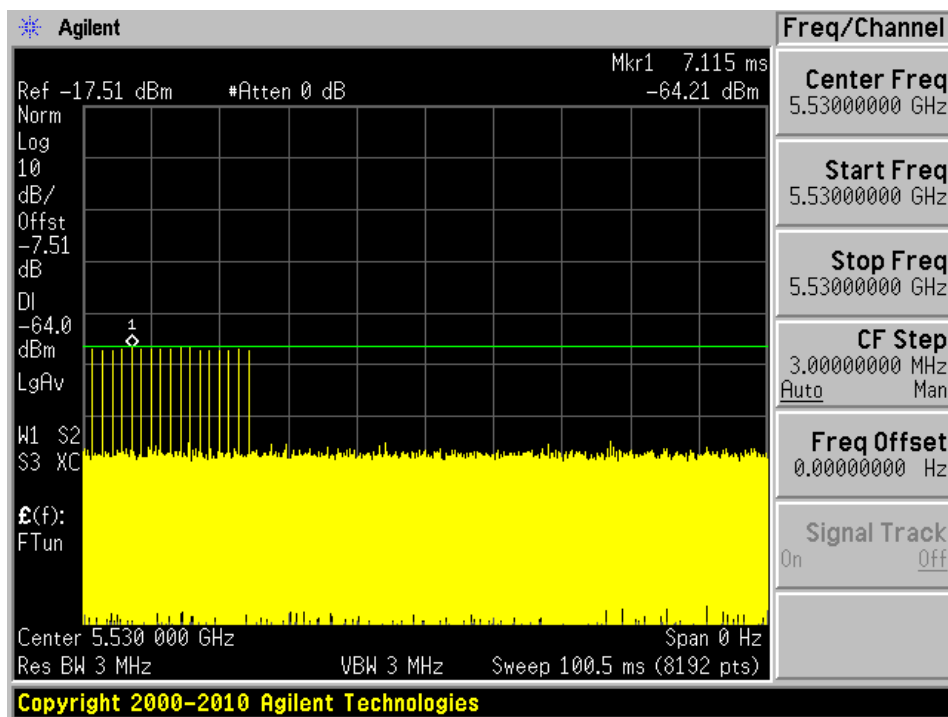
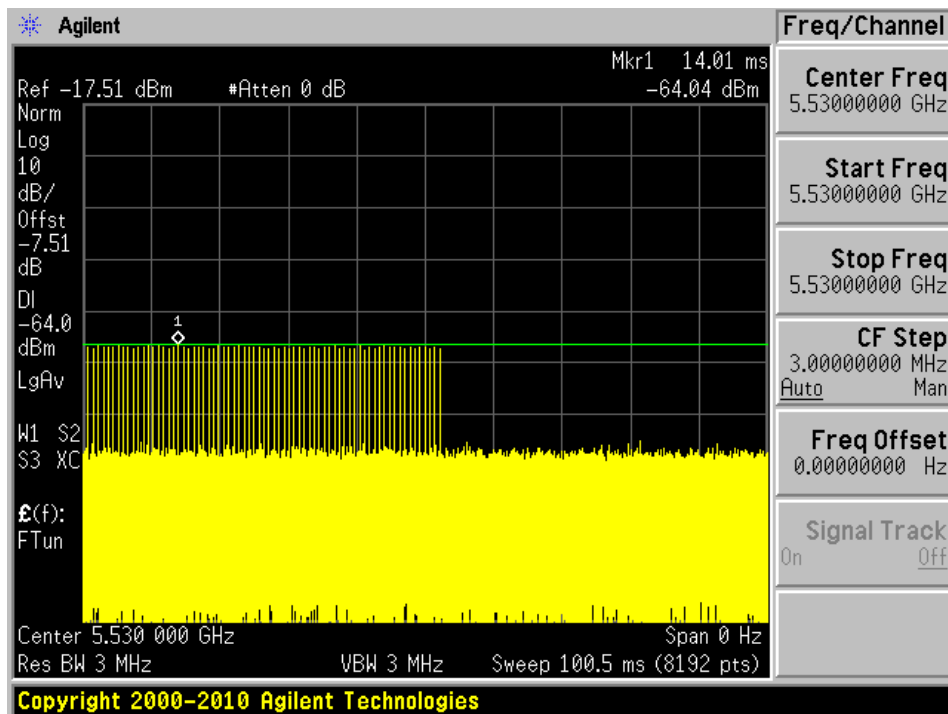
**5510 MHz Type 3 Calibration****5510 MHz Type 4 Calibration**

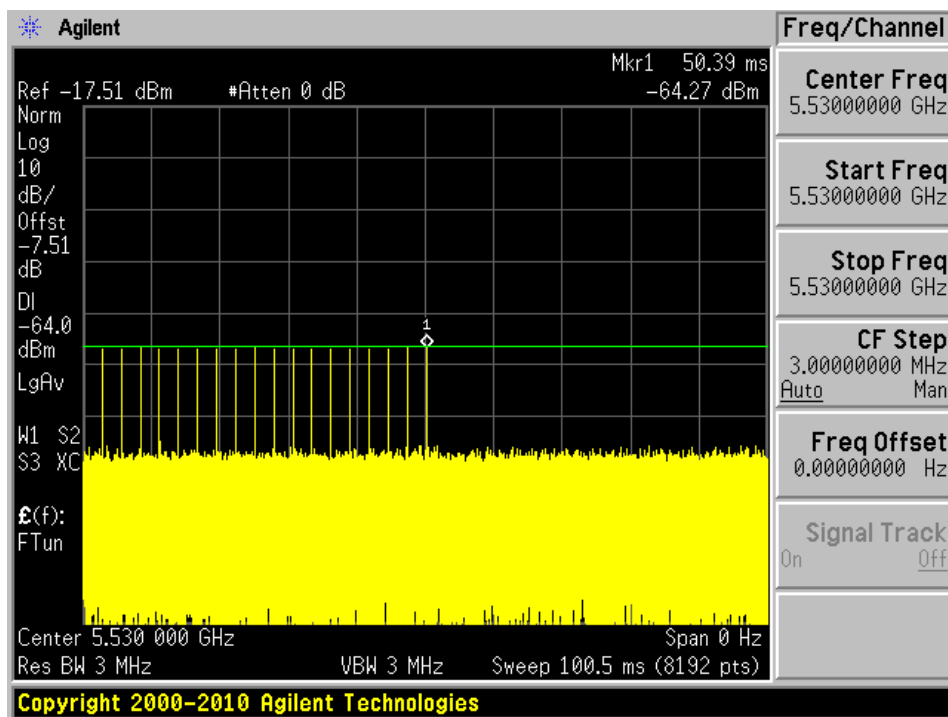
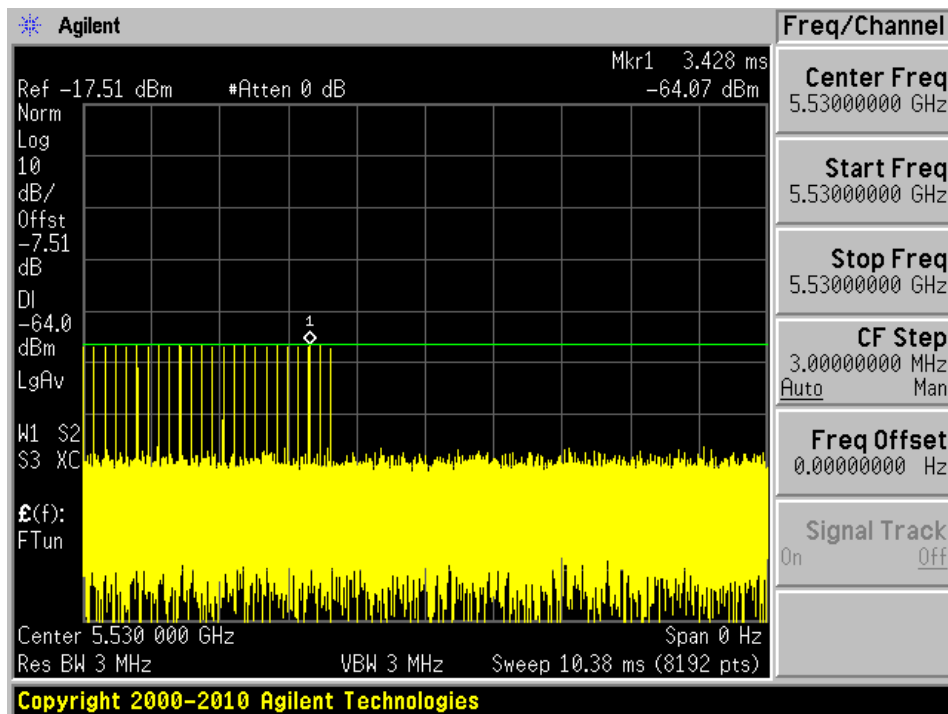
5510 MHz Type 5 Calibration



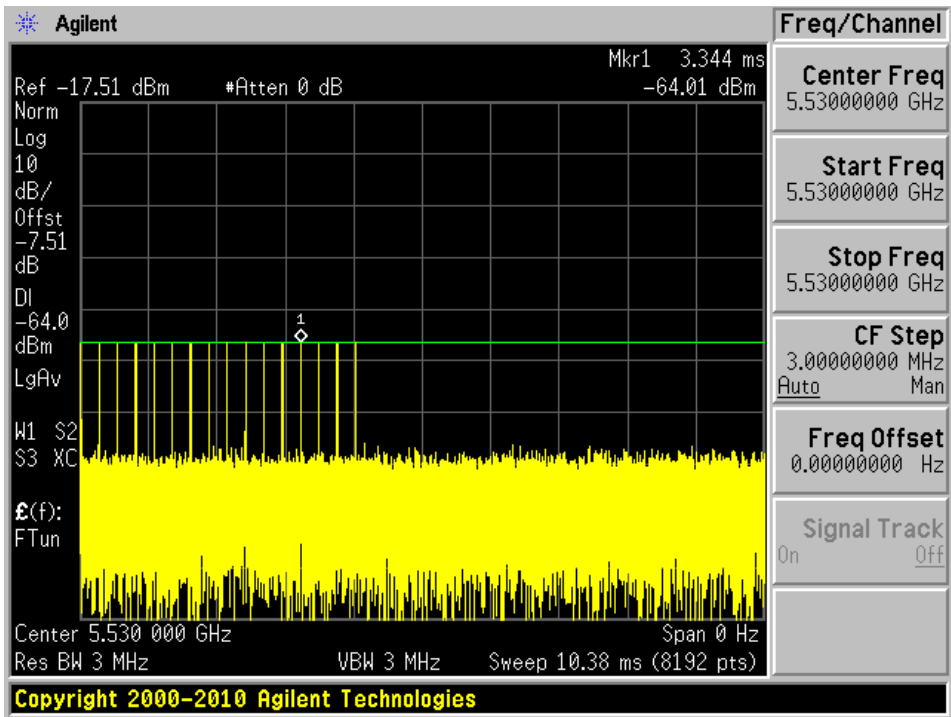
5510 MHz Type 6 Calibration



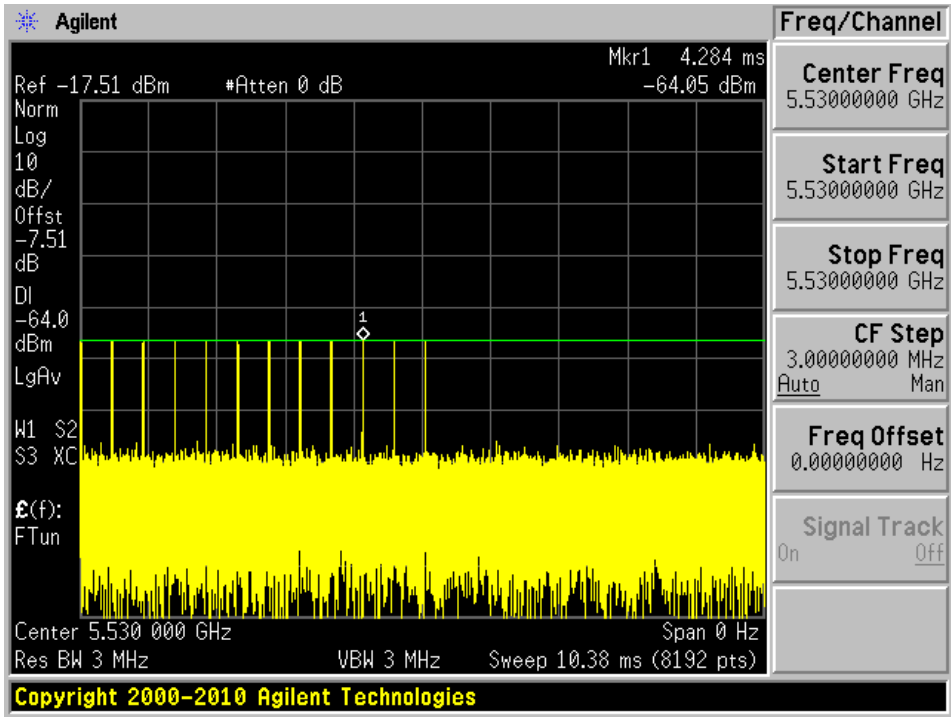
**5530 MHz Type 0 Calibration****5530 MHz Type 1A Calibration**

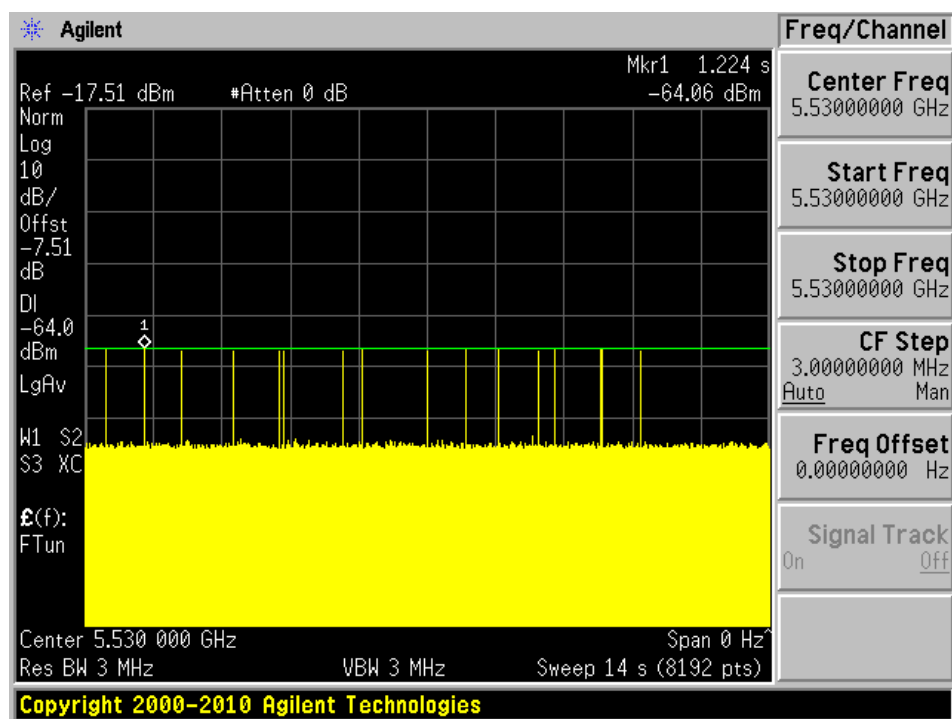
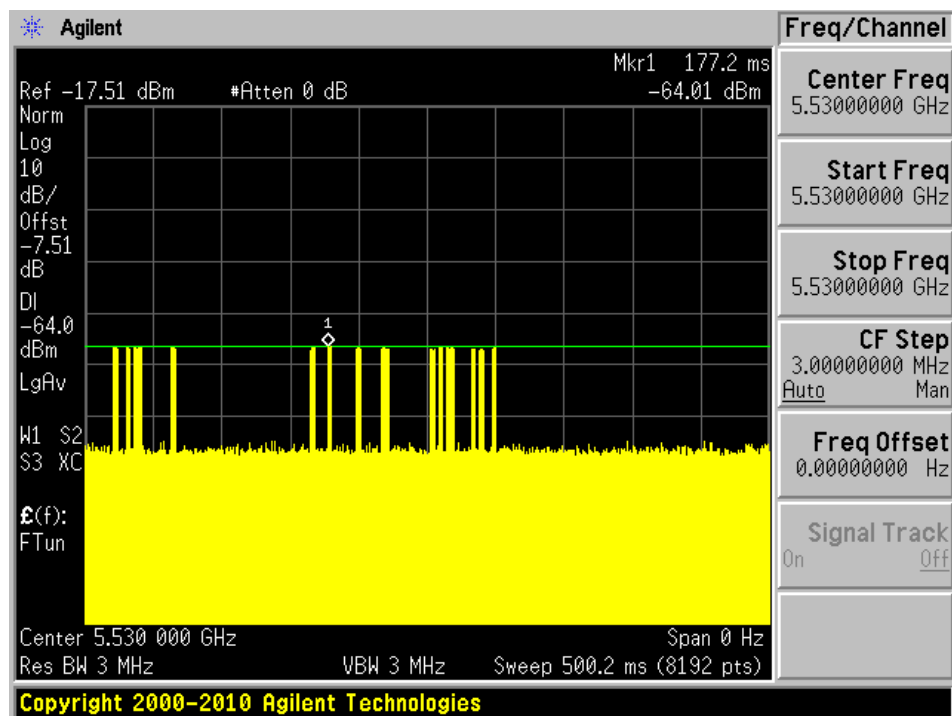
**5530 MHz Type 1B Calibration****5530 MHz Type 2 Calibration**

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.

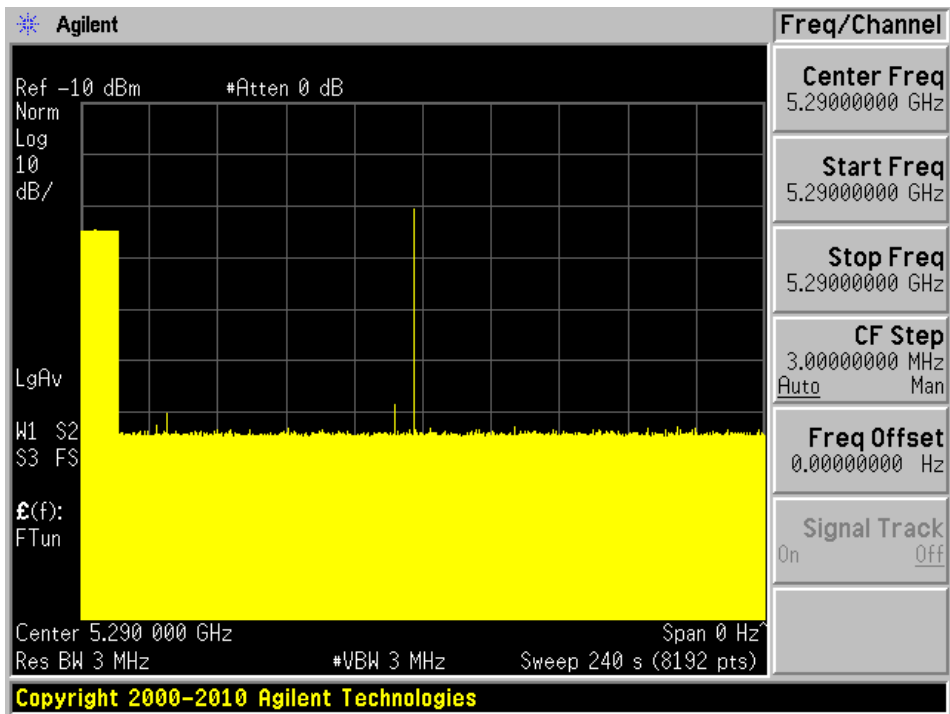
### Results:

| 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.

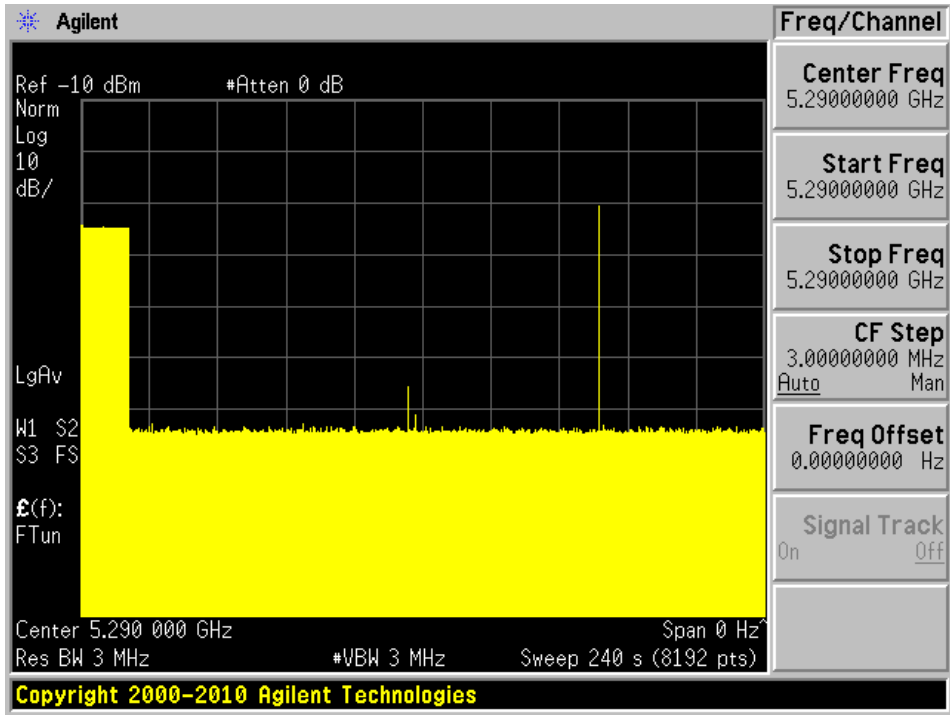
5290 MHz FOS

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.

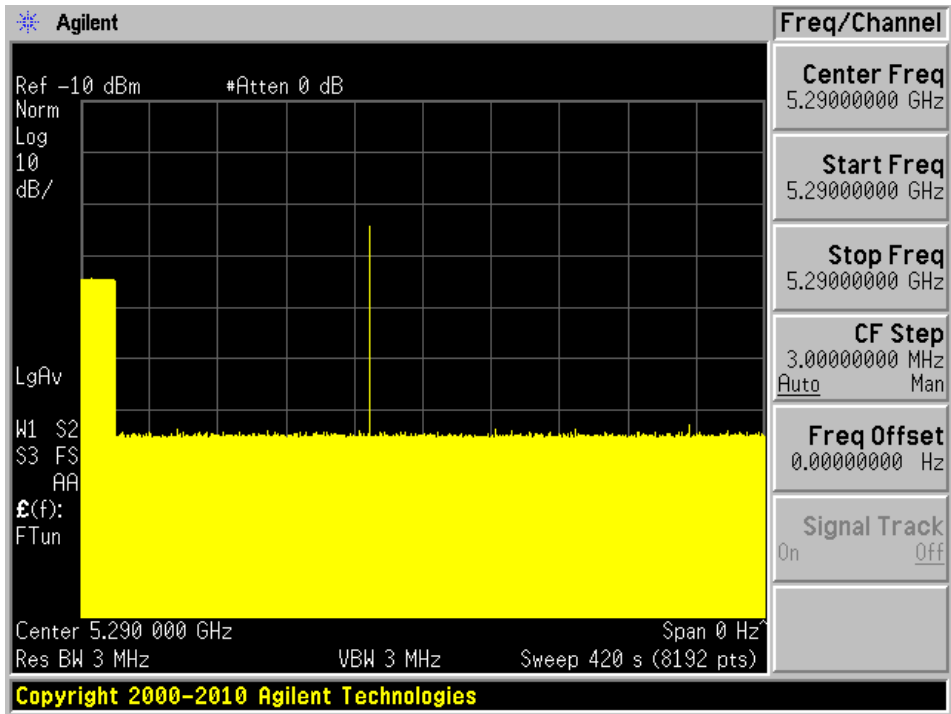
Plot of Radar Type 0 applied at the end of 6 seconds of CAC



The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

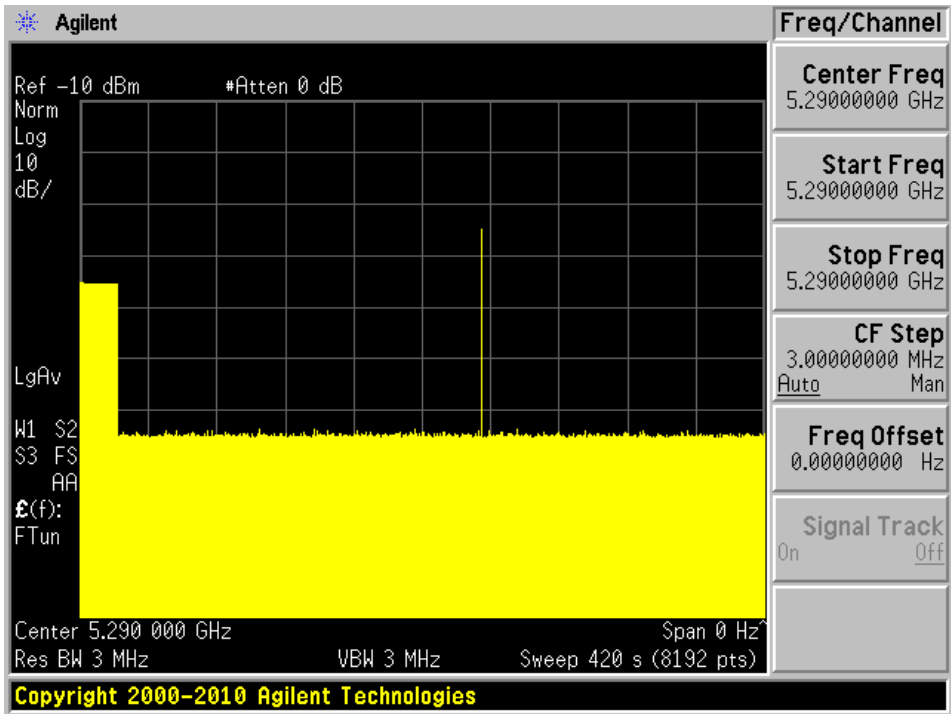
5290 MHz MERU

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.

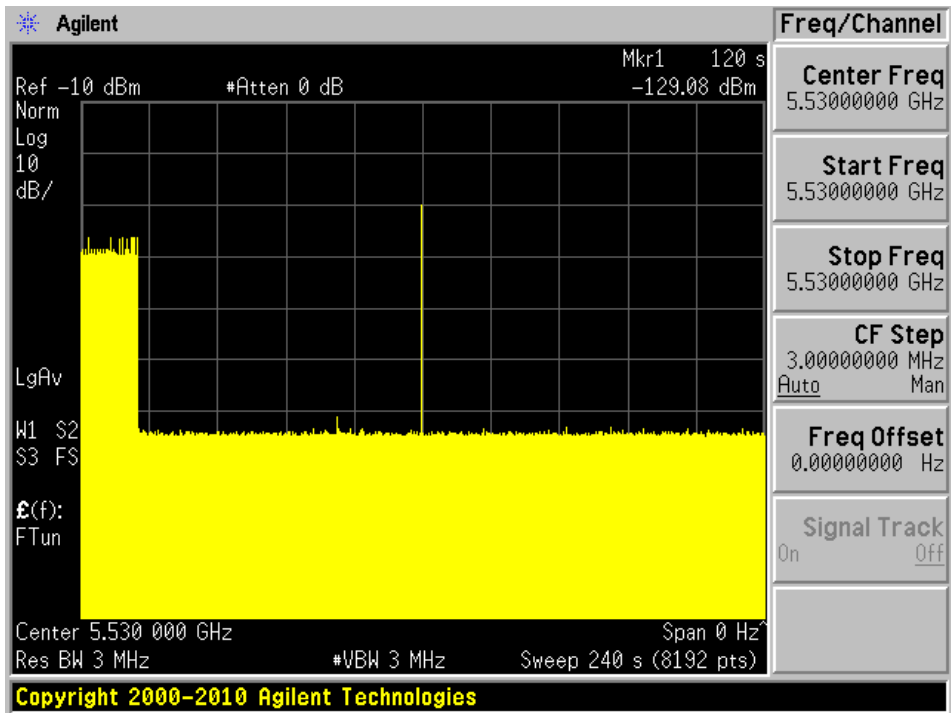
Plot of Radar Type 0 applied at the end of 6 seconds of CAC



The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

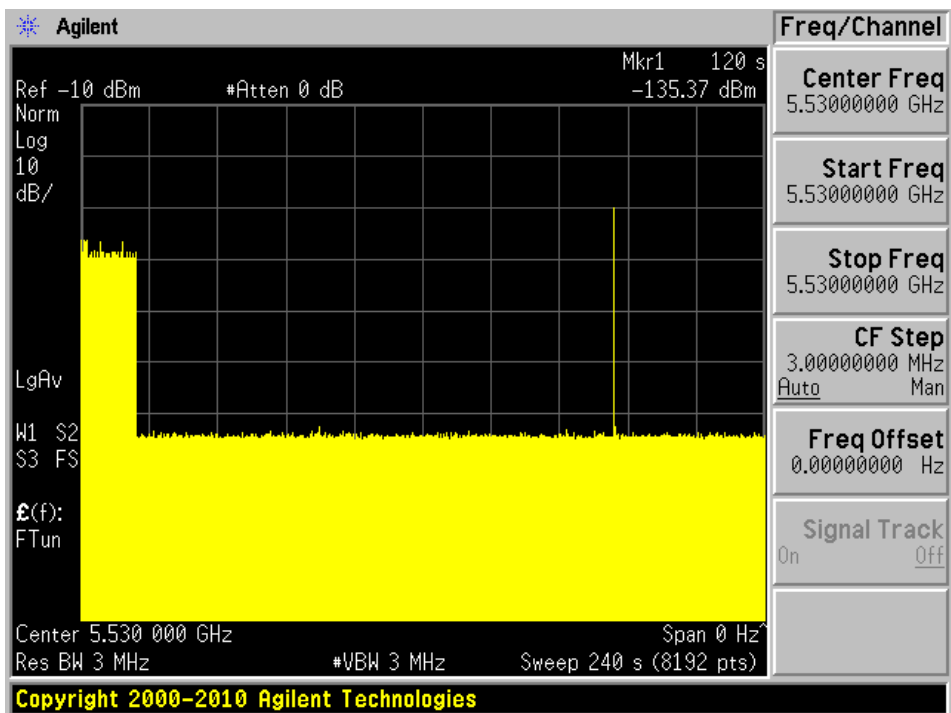
5530 MHz FOS

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.

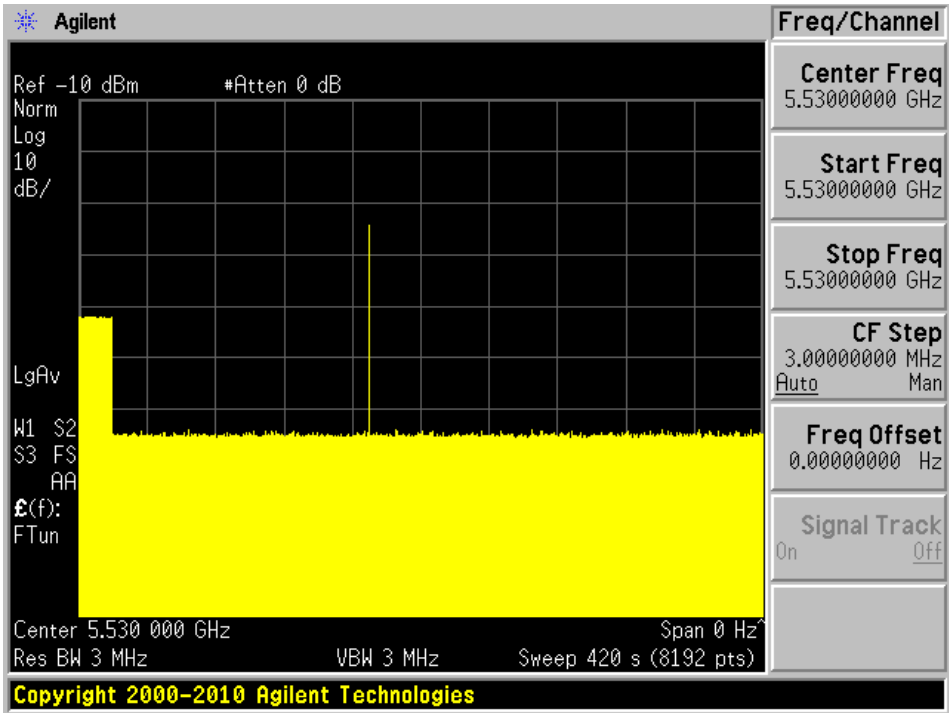
Plot of Radar Type 0 applied at the end of 6 seconds of CAC



The EUT is on transmitting at the beginning and then be restarted. No transmissions are found after radar signal applied.

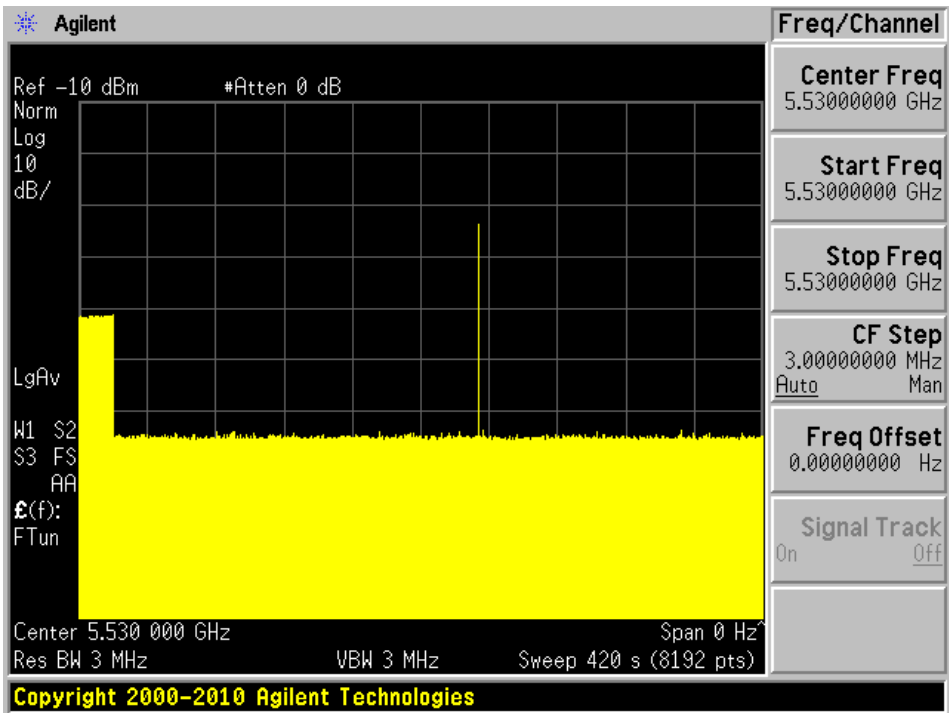
5530 MHz MERU

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 =  $N * \text{Dwell Time}$

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 |

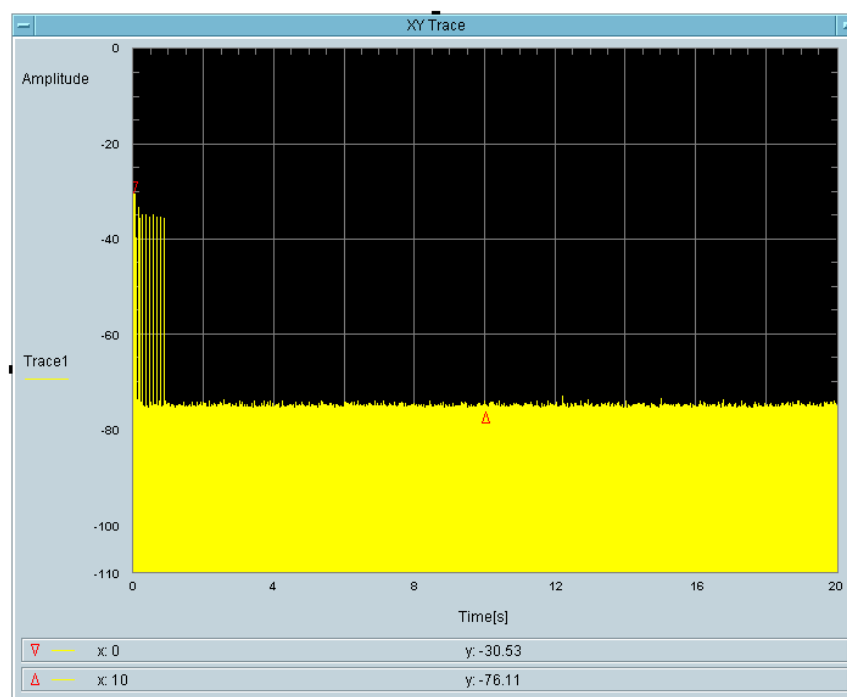
Please refer to the following tables and plots.

**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   |



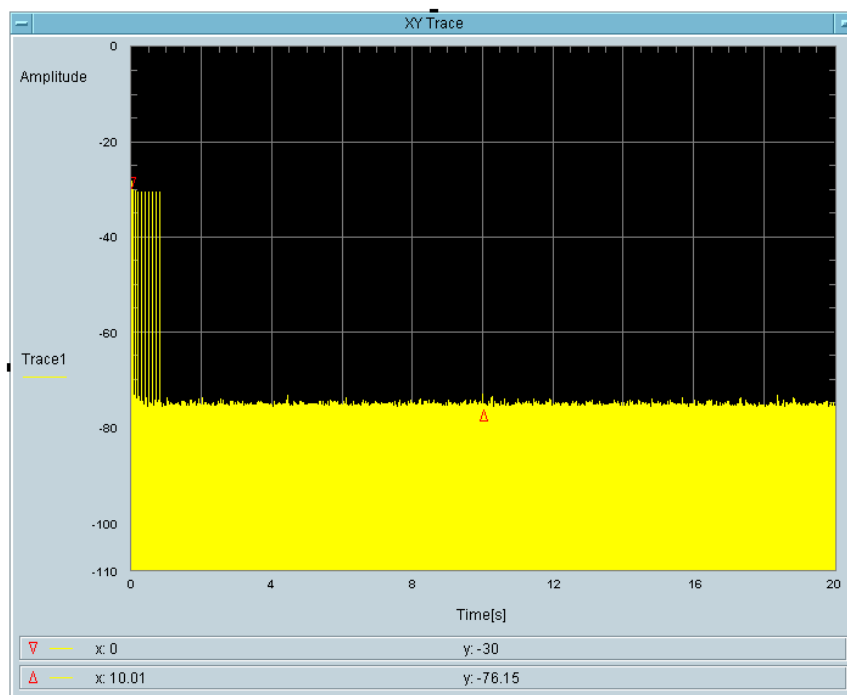
|                   |                               |
|-------------------|-------------------------------|
| Total On Time [s] | Total On Time After Delay [s] |
| 56.15m            | 17.09m                        |

**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   |



| Total On Time [s] | Total On Time After Delay [s] |
|-------------------|-------------------------------|
| 34.18m            | 14.65m                        |

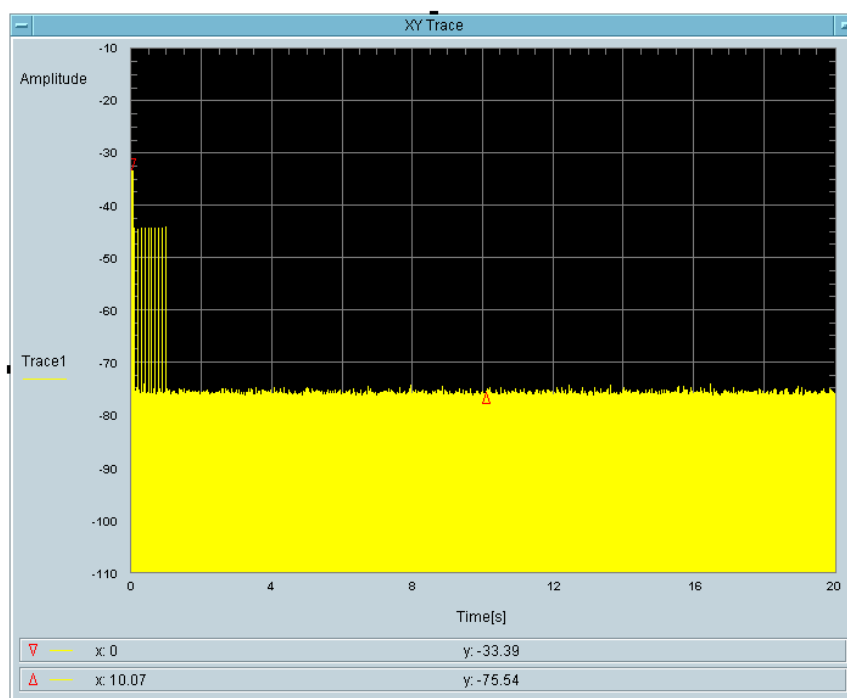


**5290 MHz, Bandwidth 80 MHz, MERU**

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   |



Total On Time [s]  
39.06m

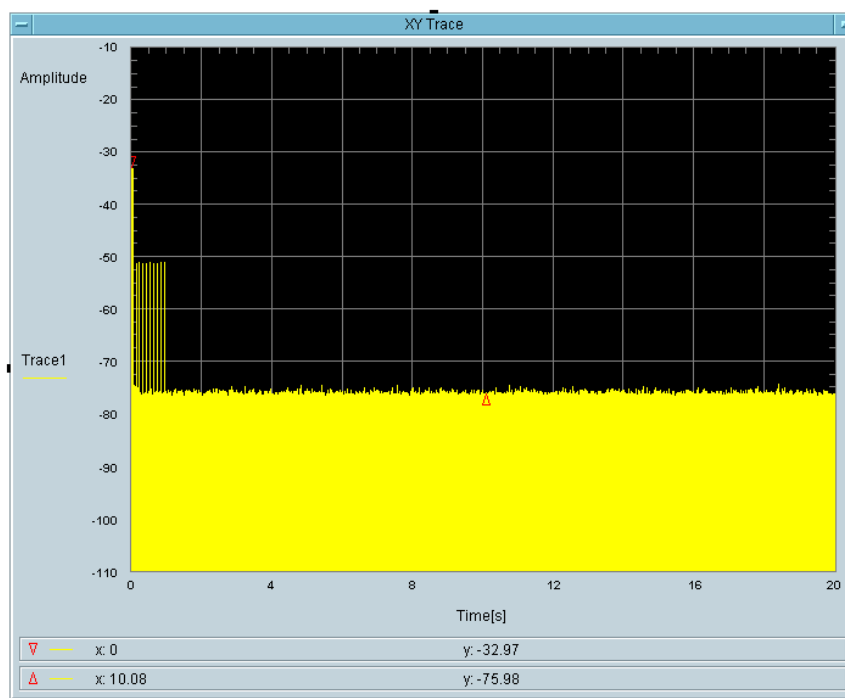
Total On Time After Delay [s]  
19.53m

**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   |



Total On Time [s]

34.18m

Total On Time After Delay [s]

19.53m

## 8 Non-Occupancy Period

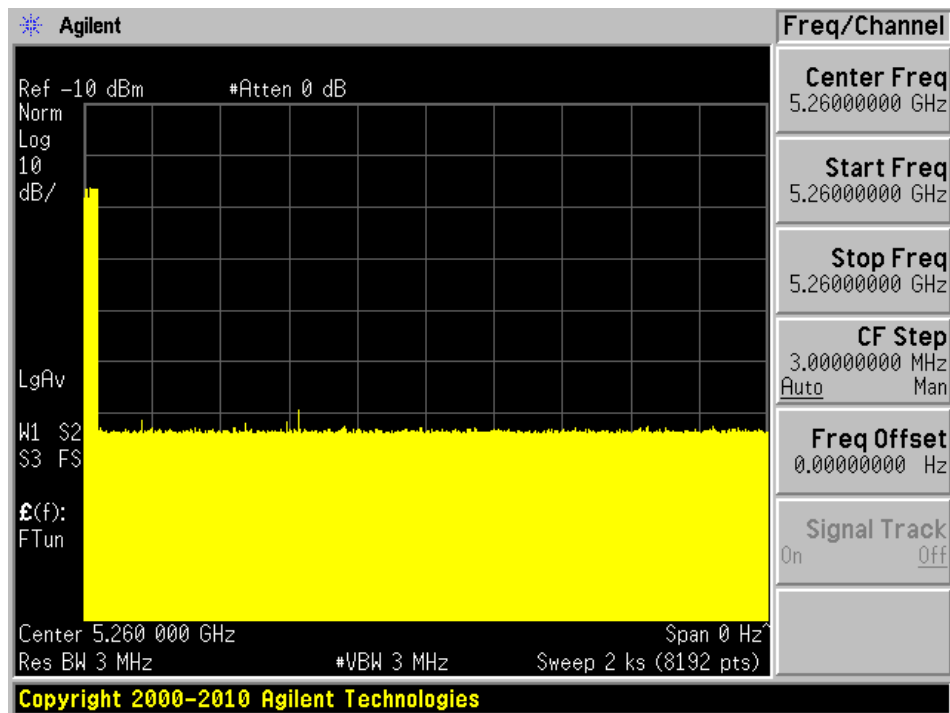
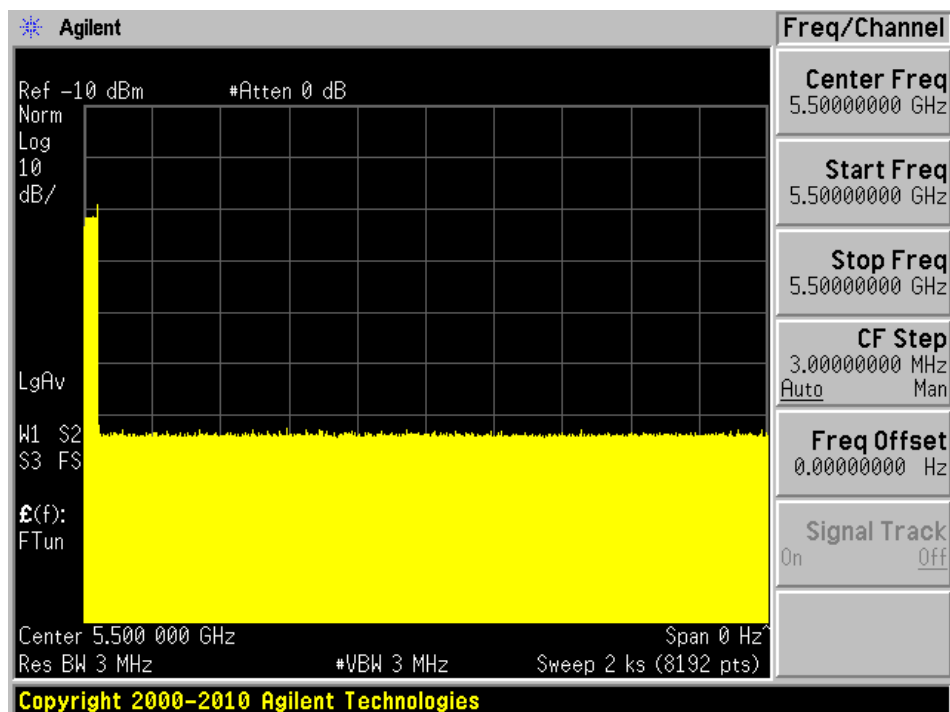
### 8.1 Test Procedure

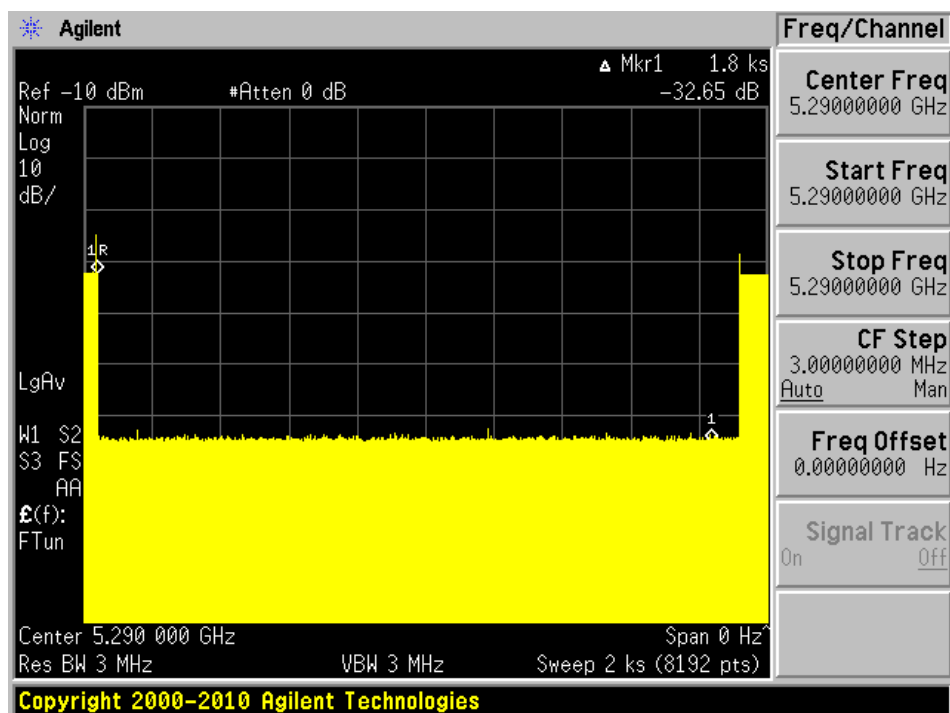
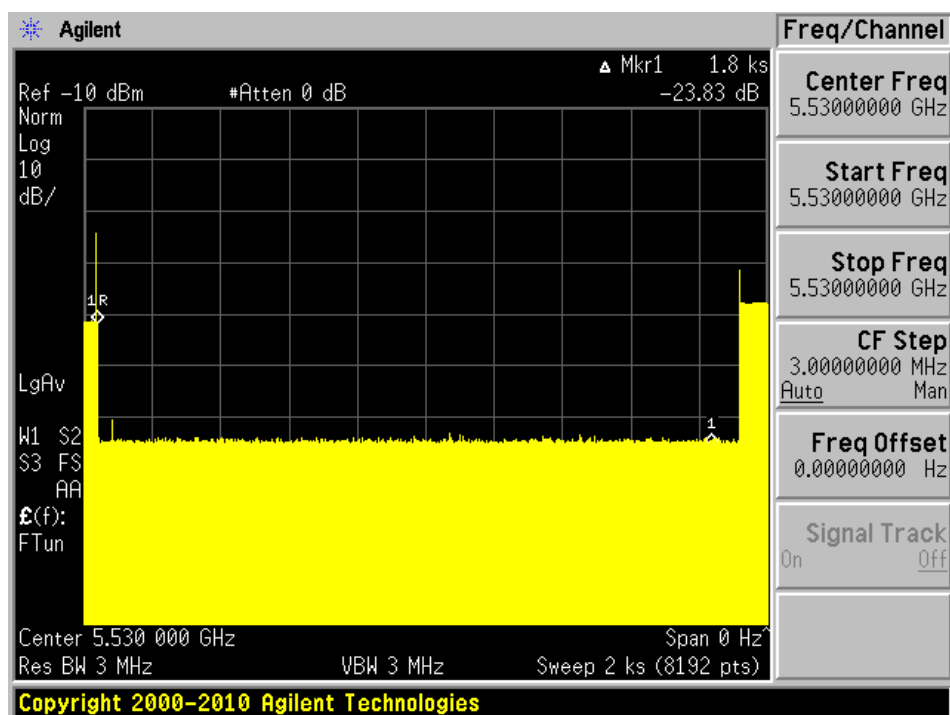
Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

### 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 <sub>L</sub> (MHz) | F <sub>H</sub> (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:**

| <b>EUT Frequency = 5260 MHz</b>                                             |          |          |          |          |          |                |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |                |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b>       | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5249                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5250(F<sub>L</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5255                                                                        | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5260(F <sub>c</sub> )                                                       | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5265                                                                        | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| <b>5270(F<sub>H</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5271                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5270-5250=20 MHz</b> |          |          |          |          |          |                |          |          |          |           |                           |
| <b>EUT 99% OBW = 18 MHz; 18 x 100% = 18 MHz</b>                             |          |          |          |          |          | <b>Result:</b> |          | Pass     |          |           |                           |

| <b>EUT Frequency = 5500 MHz</b>                                             |          |          |          |          |          |                |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |                |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b>       | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5490                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5491(F<sub>L</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5495                                                                        | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5500(F <sub>c</sub> )                                                       | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5505                                                                        | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| <b>5509 (F<sub>H</sub>)</b>                                                 | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5510                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5509-5491=18 MHz</b> |          |          |          |          |          |                |          |          |          |           |                           |
| <b>EUT 99% OBW = 18 MHz; 18 x 100% = 18 MHz</b>                             |          |          |          |          |          | <b>Result:</b> |          | Pass     |          |           |                           |

**Results of Detection Bandwidth:**

| <b>EUT Frequency = 5270 MHz</b>                                             |          |          |          |          |          |          |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |          |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5248                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5249(F<sub>L</sub>)</b>                                                  | 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(F <sub>c</sub> )                                                       | 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 %                     |
| <b>5291(F<sub>H</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5292                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5291-5249=42 MHz</b> |          |          |          |          |          |          |          |          |          |           |                           |
| <b>EUT 99% OBW = 38 MHz; 38 x 100% = 38 MHz      Result:      Pass</b>      |          |          |          |          |          |          |          |          |          |           |                           |

| <b>EUT Frequency = 5510 MHz</b>                                             |          |          |          |          |          |          |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |          |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5488                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5489(F<sub>L</sub>)</b>                                                  | 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(F <sub>c</sub> )                                                       | 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 %                     |
| <b>5530(F<sub>H</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5531                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5530-5489=41 MHz</b> |          |          |          |          |          |          |          |          |          |           |                           |
| <b>EUT 99% OBW = 38 MHz; 38 x 100% = 38 MHz      Result:      Pass</b>      |          |          |          |          |          |          |          |          |          |           |                           |



**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 %                |
| <b>5251(F<sub>L</sub>)</b>                                              | 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(F <sub>c</sub> )                                                   | 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 %              |
| <b>5330(F<sub>H</sub>)</b>                                              | 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 <sub>H</sub> – F <sub>L</sub> =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 %                |
| <b>5490(F<sub>L</sub>)</b>                                                     | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5495                                                                           | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5500                                                                           | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5505                                                                           | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5510                                                                           | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5515                                                                           | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5520                                                                           | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5525                                                                           | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5530(F <sub>c</sub> )                                                          | 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 %              |
| <b>5570(F<sub>H</sub>)</b>                                                     | 1 | 1 | 1 | 1 | 1 | 1              | 1 | 1    | 1 | 1  | 100 %              |
| 5571                                                                           | 0 | 0 | 0 | 0 | 0 | 0              | 0 | 0    | 0 | 0  | 0 %                |
| <b>Detection Bandwidth</b> = F <sub>H</sub> – F <sub>L</sub> =5570-5490=80 MHz |   |   |   |   |   |                |   |      |   |    |                    |
| <b>EUT 99% OBW</b> = 76 MHz; 76 x 100% = 76 MHz                                |   |   |   |   |   | <b>Result:</b> |   | Pass |   |    |                    |

**Test Results MERU**

| <b>Frequency<br/>(MHz)</b> | <b>F<sub>L</sub><br/>(MHz)</b> | <b>F<sub>H</sub><br/>(MHz)</b> | <b>Detection<br/>Bandwidth<br/>(MHz)</b> | <b>Minimum<br/>Limit</b> | <b>Result</b> |
|----------------------------|--------------------------------|--------------------------------|------------------------------------------|--------------------------|---------------|
| 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:**

| <b>EUT Frequency = 5260 MHz</b>                                             |          |          |          |          |          |                |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |                |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b>       | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5249                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5250(F<sub>L</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5255                                                                        | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5260(F <sub>c</sub> )                                                       | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5265                                                                        | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| <b>5270(F<sub>H</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5271                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5270-5250=20 MHz</b> |          |          |          |          |          |                |          |          |          |           |                           |
| <b>EUT 99% OBW = 18 MHz; 18 x 100% = 18 MHz</b>                             |          |          |          |          |          | <b>Result:</b> |          | Pass     |          |           |                           |

| <b>EUT Frequency = 5500 MHz</b>                                             |          |          |          |          |          |                |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |                |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b>       | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5489                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5490(F<sub>L</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5495                                                                        | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5500(F <sub>c</sub> )                                                       | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5505                                                                        | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| <b>5510 (F<sub>H</sub>)</b>                                                 | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5511                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5510-5490=20 MHz</b> |          |          |          |          |          |                |          |          |          |           |                           |
| <b>EUT 99% OBW = 18 MHz; 18 x 100% = 18 MHz</b>                             |          |          |          |          |          | <b>Result:</b> |          | Pass     |          |           |                           |

**Results of Detection Bandwidth:**

| <b>EUT Frequency = 5270 MHz</b>                                             |          |          |          |          |          |          |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |          |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5249                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5250(F<sub>L</sub>)</b>                                                  | 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(F <sub>c</sub> )                                                       | 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 %                     |
| <b>5290(F<sub>H</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5291                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5290-5250=40 MHz</b> |          |          |          |          |          |          |          |          |          |           |                           |
| <b>EUT 99% OBW = 38 MHz; 38 x 100% = 38 MHz      Result:      Pass</b>      |          |          |          |          |          |          |          |          |          |           |                           |

| <b>EUT Frequency = 5510 MHz</b>                                             |          |          |          |          |          |          |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |          |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5489                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5490(F<sub>L</sub>)</b>                                                  | 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(F <sub>c</sub> )                                                       | 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 %                     |
| <b>5530(F<sub>H</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5531                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5530-5490=40 MHz</b> |          |          |          |          |          |          |          |          |          |           |                           |
| <b>EUT 99% OBW = 38 MHz; 38 x 100% = 38 MHz      Result:      Pass</b>      |          |          |          |          |          |          |          |          |          |           |                           |

**Results of Detection Bandwidth:**

| <b>EUT Frequency = 5290 MHz</b>                                             |          |          |          |          |          |                |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, 0 = No Detected)</b>                |          |          |          |          |          |                |          |          |          |           |                           |
| <b>Radar Frequency (MHz)</b>                                                | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b>       | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>Detection Rate (%)</b> |
| 5251                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5252(F<sub>L</sub>)</b>                                                  | 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(F <sub>c</sub> )                                                       | 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 %                     |
| <b>5328(F<sub>H</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1              | 1        | 1        | 1        | 1         | 100 %                     |
| 5329                                                                        | 0        | 0        | 0        | 0        | 0        | 0              | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5329-5252=76 MHz</b> |          |          |          |          |          |                |          |          |          |           |                           |
| <b>EUT 99% OBW = 76 MHz; 76 x 100% = 76 MHz</b>                             |          |          |          |          |          | <b>Result:</b> |          | 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 %                |
| <b>5491(F<sub>L</sub>)</b>                                              | 1 | 1 | 1 | 1 | 1 | 1       | 1 | 1    | 1 | 1  | 100 %              |
| 5495                                                                    | 1 | 1 | 1 | 1 | 1 | 1       | 1 | 1    | 1 | 1  | 100 %              |
| 5500                                                                    | 1 | 1 | 1 | 1 | 1 | 1       | 1 | 1    | 1 | 1  | 100 %              |
| 5505                                                                    | 1 | 1 | 1 | 1 | 1 | 1       | 1 | 1    | 1 | 1  | 100 %              |
| 5510                                                                    | 1 | 1 | 1 | 1 | 1 | 1       | 1 | 1    | 1 | 1  | 100 %              |
| 5515                                                                    | 1 | 1 | 1 | 1 | 1 | 1       | 1 | 1    | 1 | 1  | 100 %              |
| 5520                                                                    | 1 | 1 | 1 | 1 | 1 | 1       | 1 | 1    | 1 | 1  | 100 %              |
| 5525                                                                    | 1 | 1 | 1 | 1 | 1 | 1       | 1 | 1    | 1 | 1  | 100 %              |
| 5530(F <sub>c</sub> )                                                   | 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 %              |
| <b>5569(F<sub>H</sub>)</b>                                              | 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 <sub>H</sub> – F <sub>L</sub> =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**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                              | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|---------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 90 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.33% (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                              | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|---------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 90 % (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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        |                         |
| 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       | 0                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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        |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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        |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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,<br>5569.0, 5584.0, 5699.0, 5592.0, 5353.0,<br>5565.0, 5706.0, 5443.0, 5342.0, 5412.0,<br>5524.0, 5297.0, 5485.0, 5535.0, 5418.0,<br>5290.0, 5321.0, 5658.0, 5295.0, 5640.0,<br>5343.0, 5428.0, 5434.0, 5441.0, 5340.0,<br>5335.0, 5494.0, 5474.0, 5620.0, 5424.0,<br>5607.0, 5390.0, 5250.0, 5264.0, 5564.0,<br>5351.0, 5465.0, 5316.0, 5562.0, 5383.0,<br>5679.0, 5333.0, 5458.0, 5626.0, 5492.0,<br>5388.0, 5479.0, 5373.0, 5568.0, 5462.0,<br>5545.0, 5647.0, 5536.0, 5310.0, 5639.0,<br>5420.0, 5618.0, 5547.0, 5459.0, 5556.0,<br>5623.0, 5385.0, 5518.0, 5362.0, 5615.0,<br>5700.0, 5301.0, 5628.0, 5464.0, 5646.0,<br>5470.0, 5278.0, 5637.0, 5636.0, 5665.0<br>(number of hits: 4 )                                                                                                                                                                             |
| 10 | 5260 | 9 | 1 | 333 | 1 | 5383.0, 5690.0, 5389.0, 5702.0, 5502.0,<br>5619.0, 5557.0, 5602.0, 5543.0, 5493.0,<br>5657.0, 5475.0, 5397.0, 5531.0, 5488.0,<br>5547.0, 5612.0, 5385.0, 5536.0, 5459.0,<br>5293.0, 5371.0, 5624.0, 5699.0, 5630.0,<br>5677.0, 5317.0, 5626.0, 5374.0, 5528.0,<br>5496.0, 5506.0, 5448.0, 5326.0, 5518.0,<br>5643.0, 5554.0, 5714.0, 5282.0, 5403.0,<br>5432.0, 5266.0, 5591.0, 5431.0, 5587.0,<br>5580.0, 5650.0, 5463.0, 5480.0, 5454.0,<br>5655.0, 5577.0, 5305.0, 5637.0, 5519.0,<br>5393.0, 5347.0, 5318.0, 5544.0, 5346.0,<br>5708.0, 5724.0, 5447.0, 5545.0, 5558.0,<br>5605.0, 5526.0, 5538.0, 5382.0, 5285.0,<br>5324.0, 5671.0, 5311.0, 5615.0, 5574.0,<br>5590.0, 5300.0, 5717.0, 5391.0, 5360.0,<br>5272.0, 5401.0, 5486.0, 5396.0, 5578.0,<br>5712.0, 5373.0, 5485.0, 5720.0, 5537.0,<br>5379.0, 5523.0, 5289.0, 5608.0, 5514.0,<br>5303.0, 5618.0, 5711.0, 5330.0, 5636.0<br>(number of hits: 1 ) |
| 11 | 5260 | 9 | 1 | 333 | 1 | 5457.0, 5587.0, 5620.0, 5514.0, 5258.0,<br>5638.0, 5540.0, 5640.0, 5637.0, 5464.0,<br>5590.0, 5477.0, 5562.0, 5701.0, 5561.0,<br>5670.0, 5646.0, 5582.0, 5552.0, 5473.0,<br>5395.0, 5706.0, 5363.0, 5687.0, 5274.0,<br>5700.0, 5385.0, 5382.0, 5355.0, 5674.0,<br>5605.0, 5571.0, 5636.0, 5527.0, 5594.0,<br>5294.0, 5619.0, 5539.0, 5459.0, 5522.0,<br>5666.0, 5399.0, 5345.0, 5463.0, 5285.0,<br>5265.0, 5383.0, 5592.0, 5270.0, 5288.0,<br>5671.0, 5549.0, 5287.0, 5581.0, 5682.0,<br>5679.0, 5388.0, 5423.0, 5716.0, 5478.0,<br>5609.0, 5611.0, 5599.0, 5332.0, 5319.0,<br>5262.0, 5615.0, 5544.0, 5532.0, 5344.0,<br>5312.0, 5286.0, 5268.0, 5694.0, 5622.0,<br>5372.0, 5692.0, 5695.0, 5490.0, 5485.0,<br>5680.0, 5432.0, 5523.0, 5257.0, 5709.0,<br>5386.0, 5400.0, 5648.0, 5398.0, 5380.0,<br>5631.0, 5501.0, 5375.0, 5272.0, 5689.0,<br>5250.0, 5515.0, 5720.0, 5606.0, 5558.0<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 3 ) |



**5270 MHz, 40 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 86.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |

## Bin5 Statistics 1

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 1            | 14                 | 88                      |                               |                               | 0.215042              | 1                              |
| 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              |                                |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 1       | 3     | 7           | 63.1             | 1246                   | 1475                   | 2.363543       |                         |
| 2       | 1     | 7           | 100              |                        |                        | 3.126163       |                         |
| 3       | 1     | 7           | 63.4             |                        |                        | 4.785118       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 1     | 6           | 57.8             |                        |                        | 2.051103       |                         |
| 2       | 1     | 6           | 92.5             |                        |                        | 3.075255       |                         |
| 3       | 3     | 6           | 86.5             | 1824                   | 1649                   | 5.381567       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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             |                        |                        | 4.955575       |                         |
| 8       | 2     | 13          | 73.6             | 1155                   |                        | 5.983791       |                         |
| 9       | 2     | 13          | 84.5             | 1458                   |                        | 6.08344        |                         |
| 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       | 0                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 7 ) |

**5290 MHz, 80 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                 | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|------------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 96.67 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 96.7 % (&gt;80%)</b> |                 |                                |

## 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       | 0                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 0                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp<br/>(MHz)</b> | <b>Pulse<br/>Width<br/>(μS)</b> | <b>Pulse 1-2<br/>spacing<br/>(uS)</b> | <b>Pulse 2-3<br/>spacing<br/>(uS)</b> | <b>Pulse<br/>Start(S)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|----------------|--------------|------------------------|---------------------------------|---------------------------------------|---------------------------------------|---------------------------|------------------------------------|
| 0              | 2            | 8                      | 63.6                            | 1830                                  |                                       | 0.987604                  | 1                                  |
| 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                  |                                    |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 15 ) |

**5500 MHz, 20 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |



**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                              | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|---------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 80 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (µS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 3            | 7                  | 67.1                    | 1481                          | 1220                          | 0.131843              | 1                              |
| 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               |                                |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 4 ) |

**5510 MHz, 40 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |



**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 76.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 86.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |

## 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 1       | 3     | 19          | 58.4             | 1506                   | 1746                   | 2.568591       |                         |
| 2       | 2     | 19          | 65.4             | 1920                   |                        | 3.643535       |                         |
| 3       | 1     | 19          | 96.7             |                        |                        | 5.328422       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 1       | 2     | 17          | 97.2             | 1420                   |                        | 2.107778       |                         |
| 2       | 2     | 17          | 53.3             | 1668                   |                        | 3.294927       |                         |
| 3       | 1     | 17          | 58.9             |                        |                        | 5.379105       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 3 ) |

**5530 MHz, 80 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                              | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|---------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 90 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 3            | 12                 | 79.6                    | 1310                          | 1674                          | 0.417235              | 1                              |
| 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              |                                |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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        |                         |
| 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                       |
| 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 86.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 80.0 % (&gt;60%)</b> |                 |                    |                         |                 |                                |



**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                              | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|---------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 90 % (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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                       |
| 1       | 3     | 8           | 67.3             | 1565                   | 1281                   | 2.097532       |                         |
| 2       | 2     | 8           | 99.2             | 1881                   |                        | 3.488977       |                         |
| 3       | 1     | 8           | 77.2             |                        |                        | 4.598594       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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        |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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,<br>5622.0, 5461.0, 5591.0, 5395.0, 5669.0,<br>5704.0, 5381.0, 5296.0, 5408.0, 5335.0,<br>5654.0, 5714.0, 5570.0, 5645.0, 5463.0<br>(number of hits: 3 ) |
|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**5270 MHz, 40 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |



**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 96.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 93.33% (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 2            | 16                 | 96.3                    | 1740                          |                               | 0.028593              | 1                              |
| 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              |                                |
| 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       | 0                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 0                       |
| 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        |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 8 ) |

**5290 MHz, 80 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 96.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |



**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 90.0 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 86.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 86.7 % (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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        |                         |
| 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       | 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 16 ) |

**5500 MHz, 20 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 86.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 80.0 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 96.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 2            | 9                  | 97.9                    | 1078                          |                               | 0.165069              | 1                              |
| 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              |                                |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 3            | 7                  | 65.8                    | 1150                          | 1317                          | 0.15911               | 1                              |
| 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              |                                |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 2            | 8                  | 83.5                    | 1675                          |                               | 0.574772              | 1                              |
| 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               |                                |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 1       | 1     | 14          | 58.6             |                        |                        | 2.525783       |                         |
| 2       | 2     | 14          | 62.2             | 1799                   |                        | 3.74576        |                         |
| 3       | 1     | 14          | 71.6             |                        |                        | 4.770871       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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       | 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       |                         |
| 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       | 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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       | 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        |                         |
| 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                       |
| 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        |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 3 ) |

**5510 MHz, 40 MHz Bandwidth**

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

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 90.0 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 96.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 90.0 % (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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       | 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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         |                         |
| 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                       |
| 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        |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 1            | 18                 | 58.4                    |                               |                               | 0.600536              | 1                              |
| 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               |                                |
| 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                       |
| 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       |                         |
| 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        | 0                       |
| 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       |                         |
| 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

| <b>Trial #</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>Pulse 1-2 spacing (uS)</b> | <b>Pulse 2-3 spacing (uS)</b> | <b>Pulse Start(S)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0              | 2            | 16                 | 89.2                    | 1691                          |                               | 0.217199              | 1                              |
| 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              |                                |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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        | 0                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 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<br>(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<br>(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<br>(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,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 7 )  |

**5530 MHz, 80 MHz Bandwidth**

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

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 86.7 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-2 Radar Type 2 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-3 Radar Type 3 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-4 Radar Type 4 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Pulse/Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------|-------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                                | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|-----------------------------------------------|-----------------|--------------------------------|
| 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                              |
| <b>Detection Percentage: 96.7 % (&gt;80%)</b> |                 |                                |

## 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 0                       |
| 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        |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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                       |
| 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       |                         |
| 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                       |
| 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       |                         |
| 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       | 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       |                         |
| 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**

| <b>Trial #</b> | <b>Fc (MHz)</b> | <b>Pulse /Burst</b> | <b>Pulse Width (μS)</b> | <b>PRI (μs)</b> | <b>Detection (1:yes; 0:no)</b> | <b>Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------|-----------------|---------------------|-------------------------|-----------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(number of hits: 16 )                                                                                                                                                                                                         |
| 24 | 5568 | 9 | 1 | 333 | 1 | 5431.0, 5436.0, 5365.0, 5555.0, 5274.0, 5429.0, 5595.0, 5264.0, 5578.0, 5481.0, 5266.0, 5651.0, 5378.0, 5348.0, 5493.0, 5375.0, 5381.0, 5406.0, 5588.0, 5491.0, 5327.0, 5587.0, 5718.0, 5520.0, 5655.0, 5577.0, 5292.0, 5352.0, 5649.0, 5605.0, 5662.0, 5390.0, 5626.0, 5682.0, 5581.0, 5300.0, 5716.0, 5638.0, 5447.0, 5699.0, 5359.0, 5336.0, 5623.0, 5668.0, 5480.0, 5275.0, 5593.0, 5320.0, 5357.0, 5627.0, 5552.0, 5509.0, 5492.0, 5616.0, 5309.0, 5317.0, 5465.0, 5428.0, 5515.0, 5666.0, 5580.0, 5310.0, 5611.0, 5366.0, 5417.0, 5689.0, 5630.0, 5453.0, 5402.0, 5466.0, 5617.0, 5664.0, 5433.0, 5286.0, 5340.0, 5288.0, 5702.0, 5548.0, 5535.0, 5426.0, 5575.0, 5597.0, 5533.0, 5592.0, 5494.0, 5660.0, 5469.0, 5546.0, 5521.0, 5541.0, 5697.0, 5531.0, 5685.0, 5470.0, 5653.0, 5446.0, 5458.0, 5377.0, 5532.0, 5547.0<br>(number of hits: 22 ) |
| 25 | 5568 | 9 | 1 | 333 | 1 | 5315.0, 5417.0, 5531.0, 5401.0, 5262.0, 5694.0, 5590.0, 5629.0, 5414.0, 5486.0, 5715.0, 5332.0, 5681.0, 5624.0, 5493.0, 5651.0, 5642.0, 5472.0, 5362.0, 5672.0, 5339.0, 5599.0, 5710.0, 5634.0, 5351.0, 5296.0, 5646.0, 5311.0, 5667.0, 5687.0, 5706.0, 5395.0, 5666.0, 5389.0, 5467.0, 5542.0, 5302.0, 5404.0, 5496.0, 5408.0, 5359.0, 5477.0, 5370.0, 5591.0, 5461.0, 5544.0, 5613.0, 5330.0, 5274.0, 5393.0, 5549.0, 5475.0, 5597.0, 5438.0, 5410.0, 5669.0, 5449.0, 5483.0, 5494.0, 5616.0, 5349.0, 5683.0, 5371.0, 5356.0, 5367.0, 5482.0, 5376.0, 5523.0, 5723.0, 5391.0, 5379.0, 5567.0, 5593.0, 5468.0, 5420.0, 5584.0, 5439.0, 5372.0, 5453.0, 5288.0, 5384.0, 5690.0, 5285.0, 5598.0, 5460.0, 5498.0, 5441.0, 5432.0, 5418.0, 5708.0, 5423.0, 5272.0, 5693.0, 5427.0, 5415.0, 5503.0, 5481.0, 5639.0, 5282.0, 5596.0<br>(number of hits: 13 ) |
| 26 | 5568 | 9 | 1 | 333 | 1 | 5271.0, 5692.0, 5378.0, 5433.0, 5490.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|------|---|---|-----|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5332.0, 5555.0, 5495.0, 5714.0, 5565.0, 5532.0, 5622.0, 5564.0, 5639.0, 5559.0, 5466.0, 5548.0, 5558.0, 5409.0, 5386.0, 5561.0, 5460.0, 5546.0, 5372.0, 5570.0, 5469.0, 5617.0, 5412.0, 5687.0, 5459.0, 5699.0, 5473.0, 5511.0, 5265.0, 5590.0, 5651.0, 5603.0, 5544.0, 5437.0, 5309.0, 5539.0, 5670.0, 5674.0, 5665.0, 5348.0, 5329.0, 5327.0, 5395.0, 5686.0, 5538.0, 5543.0, 5516.0, 5679.0, 5553.0, 5657.0, 5287.0, 5607.0, 5484.0, 5493.0, 5320.0, 5489.0, 5424.0, 5635.0, 5483.0, 5353.0, 5325.0, 5328.0, 5367.0, 5626.0, 5322.0, 5252.0, 5663.0, 5343.0, 5587.0, 5638.0, 5584.0, 5317.0, 5462.0, 5486.0, 5403.0, 5672.0, 5401.0, 5272.0, 5671.0, 5722.0, 5512.0, 5615.0, 5358.0, 5494.0, 5645.0, 5453.0, 5535.0, 5338.0, 5357.0, 5331.0, 5707.0, 5463.0, 5720.0, 5308.0, 5716.0<br>(number of hits: 20 )                                         |
| 27 | 5568 | 9 | 1 | 333 | 1 | 5638.0, 5440.0, 5407.0, 5447.0, 5640.0, 5516.0, 5655.0, 5397.0, 5714.0, 5583.0, 5445.0, 5560.0, 5670.0, 5499.0, 5717.0, 5378.0, 5305.0, 5433.0, 5707.0, 5391.0, 5568.0, 5504.0, 5420.0, 5540.0, 5363.0, 5526.0, 5611.0, 5343.0, 5411.0, 5509.0, 5316.0, 5554.0, 5423.0, 5523.0, 5405.0, 5691.0, 5367.0, 5360.0, 5623.0, 5598.0, 5495.0, 5708.0, 5412.0, 5510.0, 5490.0, 5255.0, 5291.0, 5429.0, 5292.0, 5664.0, 5704.0, 5559.0, 5602.0, 5625.0, 5666.0, 5342.0, 5693.0, 5517.0, 5334.0, 5425.0, 5372.0, 5721.0, 5388.0, 5582.0, 5589.0, 5607.0, 5314.0, 5441.0, 5347.0, 5720.0, 5317.0, 5502.0, 5650.0, 5375.0, 5697.0, 5365.0, 5659.0, 5624.0, 5293.0, 5269.0, 5306.0, 5331.0, 5588.0, 5387.0, 5661.0, 5626.0, 5264.0, 5682.0, 5654.0, 5514.0, 5466.0, 5332.0, 5259.0, 5386.0, 5497.0, 5718.0, 5642.0, 5542.0, 5532.0, 5518.0<br>(number of hits: 13 ) |
| 28 | 5568 | 9 | 1 | 333 | 1 | 5379.0, 5286.0, 5331.0, 5586.0, 5673.0, 5432.0, 5628.0, 5665.0, 5497.0, 5454.0, 5295.0, 5651.0, 5671.0, 5341.0, 5425.0, 5710.0, 5298.0, 5319.0, 5534.0, 5439.0, 5580.0, 5274.0, 5278.0, 5297.0, 5416.0, 5441.0, 5487.0, 5602.0, 5609.0, 5324.0, 5536.0, 5421.0, 5343.0, 5699.0, 5387.0, 5520.0, 5637.0, 5264.0, 5346.0, 5542.0, 5703.0, 5593.0, 5507.0, 5434.0, 5352.0, 5427.0, 5436.0, 5538.0, 5634.0, 5578.0, 5289.0, 5679.0, 5253.0, 5566.0, 5560.0, 5438.0, 5587.0, 5380.0, 5475.0, 5660.0, 5599.0, 5403.0, 5641.0, 5526.0, 5492.0, 5299.0, 5649.0, 5661.0, 5279.0, 5467.0, 5313.0, 5653.0, 5502.0, 5635.0, 5579.0, 5519.0, 5597.0, 5704.0, 5263.0, 5702.0, 5329.0, 5351.0, 5689.0, 5706.0, 5510.0, 5677.0, 5411.0, 5516.0, 5480.0, 5470.0                                                                                                          |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|------|---|---|-----|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5268.0, 5562.0, 5288.0, 5423.0, 5483.0, 5582.0, 5563.0, 5335.0, 5512.0, 5269.0<br>(number of hits: 18 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 29 | 5568 | 9 | 1 | 333 | 1 | 5533.0, 5276.0, 5394.0, 5630.0, 5485.0, 5615.0, 5344.0, 5503.0, 5590.0, 5414.0, 5641.0, 5532.0, 5258.0, 5416.0, 5626.0, 5545.0, 5356.0, 5325.0, 5702.0, 5263.0, 5595.0, 5289.0, 5692.0, 5251.0, 5614.0, 5303.0, 5434.0, 5317.0, 5457.0, 5722.0, 5482.0, 5369.0, 5366.0, 5522.0, 5417.0, 5500.0, 5559.0, 5378.0, 5517.0, 5617.0, 5544.0, 5643.0, 5707.0, 5525.0, 5696.0, 5453.0, 5616.0, 5440.0, 5404.0, 5655.0, 5347.0, 5709.0, 5269.0, 5531.0, 5270.0, 5365.0, 5294.0, 5432.0, 5262.0, 5682.0, 5428.0, 5534.0, 5447.0, 5657.0, 5684.0, 5458.0, 5539.0, 5310.0, 5260.0, 5281.0, 5318.0, 5536.0, 5716.0, 5646.0, 5342.0, 5680.0, 5332.0, 5304.0, 5489.0, 5584.0, 5505.0, 5350.0, 5371.0, 5307.0, 5265.0, 5676.0, 5389.0, 5291.0, 5455.0, 5510.0, 5672.0, 5257.0, 5439.0, 5299.0, 5645.0, 5277.0, 5580.0, 5700.0, 5502.0, 5256.0<br>(number of hits: 13 ) |
| 30 | 5568 | 9 | 1 | 333 | 1 | 5567.0, 5715.0, 5339.0, 5279.0, 5409.0, 5411.0, 5666.0, 5315.0, 5536.0, 5484.0, 5634.0, 5418.0, 5436.0, 5694.0, 5263.0, 5692.0, 5723.0, 5342.0, 5678.0, 5292.0, 5681.0, 5699.0, 5272.0, 5607.0, 5375.0, 5642.0, 5620.0, 5517.0, 5562.0, 5316.0, 5358.0, 5669.0, 5442.0, 5628.0, 5655.0, 5468.0, 5395.0, 5288.0, 5478.0, 5269.0, 5661.0, 5447.0, 5629.0, 5574.0, 5604.0, 5341.0, 5255.0, 5513.0, 5501.0, 5428.0, 5571.0, 5444.0, 5351.0, 5338.0, 5525.0, 5407.0, 5283.0, 5528.0, 5527.0, 5534.0, 5332.0, 5425.0, 5518.0, 5264.0, 5429.0, 5399.0, 5266.0, 5329.0, 5462.0, 5615.0, 5450.0, 5682.0, 5665.0, 5379.0, 5603.0, 5346.0, 5675.0, 5458.0, 5373.0, 5290.0, 5285.0, 5600.0, 5265.0, 5476.0, 5378.0, 5461.0, 5258.0, 5602.0, 5650.0, 5612.0, 5359.0, 5671.0, 5610.0, 5565.0, 5413.0, 5648.0, 5440.0, 5514.0, 5708.0, 5280.0<br>(number of hits: 11 ) |

## **10 Appendix**

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

## 11 Annex A (Normative) - A2LA Electrical Testing Certificate



--- END OF REPORT ---

## Annex C (Informative) – Declaration of Similarity

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### 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,

A handwritten signature in black ink, appearing to read "Andrew Ji".

---

Andrew Ji  
Fortinet, Inc.  
Director of Operations