



FCC PART 15.407

**DYNAMIC FREQUENCY SELECTION  
TEST AND MEASUREMENT REPORT**

For

**Ruckus Wireless, Inc.**

350 West Java Drive,  
Sunnyvale, CA 94089, USA

**FCC ID: S9GZF7372**

|                                                                                                                                                         |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Report Type:</b><br>Class II Permissive Change                                                                                                       | <b>Equipment Type:</b><br>802.11 a/b/g/n Wireless<br>Access Point                     |
| <b>Prepared By:</b> Jin Yang<br>Test Engineer                                                                                                           |  |
| <b>Report Number:</b> R1601182-DFS                                                                                                                      |                                                                                       |
| <b>Report Date:</b> 2016-03-30                                                                                                                          |                                                                                       |
| <b>Reviewed By:</b> Bo Li<br>RF Supervisor                                                                                                              |  |
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**Note:** This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This report **must not** be used by the customer to claim product certification, approval, or endorsement by A2LA\* or any agency of the Federal Government.

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

## TABLE OF CONTENTS

|          |                                                                               |            |
|----------|-------------------------------------------------------------------------------|------------|
| <b>1</b> | <b>GENERAL DESCRIPTION.....</b>                                               | <b>4</b>   |
| 1.1      | PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....                       | 4          |
| 1.2      | MECHANICAL DESCRIPTION OF EUT .....                                           | 4          |
| 1.3      | OBJECTIVE.....                                                                | 4          |
| 1.4      | RELATED SUBMITTAL(S)/GRANT(S) .....                                           | 4          |
| 1.5      | TEST METHODOLOGY .....                                                        | 4          |
| 1.6      | TEST FACILITY .....                                                           | 5          |
| <b>2</b> | <b>EUT TEST CONFIGURATION.....</b>                                            | <b>7</b>   |
| 2.1      | JUSTIFICATION .....                                                           | 7          |
| 2.2      | EUT EXERCISE SOFTWARE.....                                                    | 7          |
| 2.3      | EQUIPMENT MODIFICATIONS .....                                                 | 7          |
| 2.4      | LOCAL SUPPORT EQUIPMENT .....                                                 | 7          |
| 2.5      | EUT INTERNAL CONFIGURATION DETAILS.....                                       | 7          |
| 2.6      | INTERFACE PORTS AND CABLES .....                                              | 7          |
| <b>3</b> | <b>SUMMARY OF TEST RESULTS.....</b>                                           | <b>8</b>   |
| <b>4</b> | <b>APPLICABLE STANDARDS.....</b>                                              | <b>9</b>   |
| 4.1      | DFS REQUIREMENT .....                                                         | 9          |
| 4.2      | DFS MEASUREMENT SYSTEM .....                                                  | 12         |
| 4.3      | SYSTEM BLOCK DIAGRAM.....                                                     | 12         |
| 4.4      | CONDUCTED METHOD .....                                                        | 13         |
| 4.5      | RADIATED METHOD .....                                                         | 14         |
| 4.6      | TEST PROCEDURE .....                                                          | 14         |
| <b>5</b> | <b>TEST RESULTS.....</b>                                                      | <b>15</b>  |
| 5.1      | DESCRIPTION OF EUT.....                                                       | 15         |
| 5.2      | TEST EQUIPMENT LIST AND DETAILS .....                                         | 15         |
| 5.3      | RADAR WAVEFORM CALIBRATION.....                                               | 16         |
| 5.4      | TEST ENVIRONMENTAL CONDITIONS.....                                            | 16         |
| <b>6</b> | <b>RADAR DETECTION BANDWIDTH &amp; RADAR DETECTION PERFORMANCE CHECK.....</b> | <b>33</b>  |
| 6.1      | DETECTION BANDWIDTH.....                                                      | 33         |
| 6.2      | RADAR DETECTION PERFORMANCE CHECK.....                                        | 36         |
| <b>7</b> | <b>APPENDIX A – TEST SETUP PHOTOGRAPHS.....</b>                               | <b>181</b> |
| 7.1      | DFS TEST SETUP VIEW .....                                                     | 181        |
| <b>8</b> | <b>APPENDIX B – EUT PHOTOGRAPHS.....</b>                                      | <b>182</b> |
| 8.1      | EUT – TOP VIEW.....                                                           | 182        |
| 8.2      | EUT – FRONT VIEW .....                                                        | 182        |
| 8.3      | EUT – LEFT SIDE VIEW .....                                                    | 183        |
| 8.4      | EUT – RIGHT SIDE VIEW.....                                                    | 183        |
| 8.5      | EUT – REAR SIDE VIEW .....                                                    | 184        |
| 8.6      | EUT – BOTTOM SIDE VIEW .....                                                  | 184        |
| 8.7      | EUT – OPEN CHASSIS.....                                                       | 185        |
| 8.8      | EUT – MOTHERBOARD COMPONENT TOP VIEW.....                                     | 185        |
| 8.9      | EUT – MOTHERBOARD SOLDER BOTTOM VIEW WITH SHIELD .....                        | 186        |
| 8.10     | EUT – MOTHERBOARD SOLDER BOTTOM VIEW WITHOUT SHIELD.....                      | 186        |
| 8.11     | EUT – AC/DC ADAPTER.....                                                      | 187        |
| 8.12     | EUT – POE AND ADAPTER VIEW .....                                              | 187        |

**DOCUMENT REVISION HISTORY**

| <b>Revision Number</b> | <b>Report Number</b> | <b>Description of Revision</b> | <b>Date of Revision</b> |
|------------------------|----------------------|--------------------------------|-------------------------|
| 0                      | R1601182-DFS         | Initial                        | 2016-03-30              |

## 1 General Description

---

### 1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of *Ruckus Wireless, Inc.*, and their product model: *ZoneFlex 7372*, FCC ID: S9GZF7372 or the “EUT” as referred to in this report. The EUT is a 2x2 MIMO 802.11 a/b/g/n WLAN Access Point.

### 1.2 Mechanical Description of EUT

The EUT measures approximately 160 mm (L) x 160 mm (W) x 35 mm (H) and weighs 334.5g.

*The test data gathered are from typical production sample, serial number: Radiated Unit: 407, and Conducted Unit: 405, provided by the manufacturer*

### 1.3 Objective

This report is prepared on behalf of *Ruckus Wireless, Inc.* in accordance with FCC CFR47 §15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

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.

### 1.4 Related Submittal(s)/Grant(s)

FCC ID: S9GZF7372

### 1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

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

## 1.6 Test Facility

Bay Area Compliance Laboratories Corp. (BACL) is:

1- An independent Commercial Test Laboratory accredited to **ISO 17025: 2005** by **A2LA**, in the fields of: Electromagnetic Compatibility & Telecommunications covering Emissions, Immunity, Radio, RF Exposure, Safety and Telecom. This includes NEBS (Network Equipment Building System), Wireless RF, Telecommunications Terminal Equipment (TTE); Network Equipment; Information Technology Equipment (ITE); Medical Electrical Equipment; Industrial, Commercial, and Medical Test Equipment; Professional Audio and Video Equipment; Electronic (Digital) Products; Industrial and Scientific Instruments; Cabled Distribution Systems and Energy Efficiency Lighting.

2- An ENERGY STAR Recognized Laboratory, for the LM80 Testing, a wide variety of Luminaires and Computers.

3- A NIST Designated Phase-I and Phase-II CAB including: ACMA (Australian Communication and Media Authority), BSMI (Bureau of Standards, Metrology and Inspection of Taiwan), IDA (Infocomm Development Authority of Singapore), IC (Industry Canada), Korea (Ministry of Communications Radio Research Laboratory), NCC (Formerly DGT; Directorate General of Telecommunication of Chinese Taipei) OFTA (Office of the Telecommunications Authority of Hong Kong), Vietnam, VCCI - Voluntary Control Council for Interference of Japan and a designated EU CAB (Conformity Assessment Body) (Notified Body) for the EMC and R&TTE Directives.

4 - A Product Certification Body accredited to **ISO Guide 65: 1996** by **A2LA** to certify:

1- Unlicensed, Licensed radio frequency devices and Telephone Terminal Equipment for the FCC. Scope A1, A2, A3, A4, B1, B2, B3, B4 & C.

2. Radio Standards Specifications (RSS) in the Category I Equipment Standards List and All Broadcasting Technical Standards (BETS) in Category I Equipment Standards List for Industry Canada.

3. Radio Communication Equipment for Singapore.

4. Radio Equipment Specifications, GMDSS Marine Radio Equipment Specifications, and Fixed Network Equipment Specifications for Hong Kong.

5. Japan MIC Telecommunication Business Law (A1, A2) and Radio Law (B1, B2 and B3).

6. Audio/Video, Battery Charging Systems, Computers, Displays, Enterprise Servers, Imaging Equipment, Set-Top Boxes, Telephony, Televisions, Ceiling Fans, CFLs (including GU24s), Decorative Light Strings, Integral LED Lamps, Luminaires, Residential Ventilating Fans.

The test site used by BACL Corp. to collect radiated and conducted emissions measurement data is located at its facility in Sunnyvale, California, USA.

The test site at BACL Corp. has been fully described in reports submitted to the Federal Communication Commission (FCC) and Voluntary Control Council for Interference (VCCI). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 11 and December 10, 1997, and Article 8 of the VCCI regulations on December 25, 1997. The test site also complies with the test methods and procedures set forth in CISPR 22:2008 §10.4 for measurements below 1 GHz and §10.6 for measurements above 1 GHz, as well as ANSI C63.4-2014, ANSI C63.10-2013, TIA/EIA-603 & CISPR 24: 2010.

The Federal Communications Commission and Voluntary Control Council for Interference have the reports on file and they are listed under FCC registration number: 90464 and VCCI Registration No.: A-0027. The test site has been approved by the FCC and VCCI for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, BACL Corp. is an American Association for Laboratory Accreditation (A2LA) accredited laboratory (Lab Code 3297-02). The current scope of accreditations can be found at

<http://www.a2la.org/scopepdf/3297-02.pdf?CFID=1132286&CFTOKEN=e42a3240dac3f6ba-6DE17DCB-1851-9E57-477422F667031258&jsessionid=8430d44f1f47cf2996124343c704b367816b>

## 2 EUT Test Configuration

### 2.1 Justification

The EUT was configured for testing according to FCC Part 15.407(H), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

### 2.2 EUT Exercise Software

The test utility used version was 9.6.0 was provided by Ruckus Wireless Inc., and was verified by Bo Li to comply with the standard requirements being tested against.

### 2.3 Equipment Modifications

N/A

### 2.4 Local Support Equipment

| Manufacturer | Description | Model          | Serial Number |
|--------------|-------------|----------------|---------------|
| Dell         | Laptop      | Latitude E5420 | CHZCMQ1       |

### 2.5 EUT Internal Configuration Details

| Manufacturer | Description       | Model                              | Serial Number      |
|--------------|-------------------|------------------------------------|--------------------|
| Ruckus       | Motherboard       | St. Bernard<br>ASM 120-11214 REV 4 | 71150401520128H04A |
| Ruckus       | Antenna (2.4 GHz) | ZF7300 Horizontal                  | -                  |
| Ruckus       | Antenna (2.4 GHz) | ZF7300 Vertical                    | -                  |
| Ruckus       | Antenna (5 GHz)   | ZF7300 Horizontal                  | -                  |
| Ruckus       | Antenna (5 GHz)   | ZF7300 Vertical                    | -                  |

### 2.6 Interface Ports and Cables

| Cable Description | Length (m) | To     | From |
|-------------------|------------|--------|------|
| RJ 45 Cable       | <1.0       | Laptop | EUT  |

### 3 Summary of Test Results

The following result table represents the list of measurements required under the CFR47 §47 Part15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02. This report is to update from KDB: 905462 D02 UNII DFS Compliance Procedures Old rules v01 to KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

| Items                          | Description of Test                           | Results                |
|--------------------------------|-----------------------------------------------|------------------------|
| Detection Bandwidth            | UNII Detection Bandwidth                      | Compliant              |
| Performance Requirements Check | Initial Channel Availability Check Time (CAC) | Compliant <sup>1</sup> |
|                                | Radar Burst at the Beginning of the CAC       | Compliant <sup>1</sup> |
|                                | Radar Burst at the End of the CAC             | Compliant <sup>1</sup> |
| In-Service Monitoring          | Channel Move Time                             | Compliant <sup>1</sup> |
|                                | Channel Closing Transmission Time             | Compliant <sup>1</sup> |
|                                | Non-Occupancy Period                          | Compliant <sup>1</sup> |
| Radar Detection                | Statistical Performance Check                 | Compliant              |

Note<sup>1</sup>: Please refer to previous CIIPC DFS application granted on 02/14/2013, report number: R1209061-FCC DFS.



## 4 Applicable Standards

### 4.1 DFS Requirement

FCC CFR47 §15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

**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 values, Master or Client incorporating In-Service Monitoring**

| Maximum Transmit Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Value (See Notes 1, 2 and 3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| EIRP $\geq$ 200 milliwatt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -64 dBm                      |
| EIRP < 200 milliwatt and<br>power spectral density < 10dBm/MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -62 dBm                      |
| EIRP < 200 milliwatt that do not meet the<br>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>Note 3:</b> EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911D01.</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 See Note 1.                                                                                 |
| Channel Closing Transmission Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2. |
| U-NII Detection Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Minimum 100% of the UNII 99% transmission power bandwidth. See Note 3.                                 |
| <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 is used and 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                       |

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

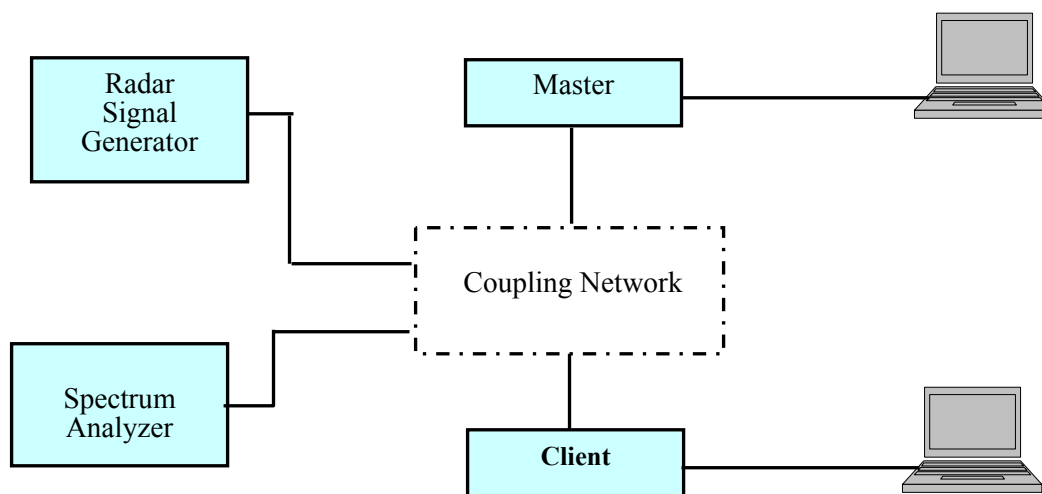
**Table 7: Frequency Hopping Radar Test Signal**

| 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                       |

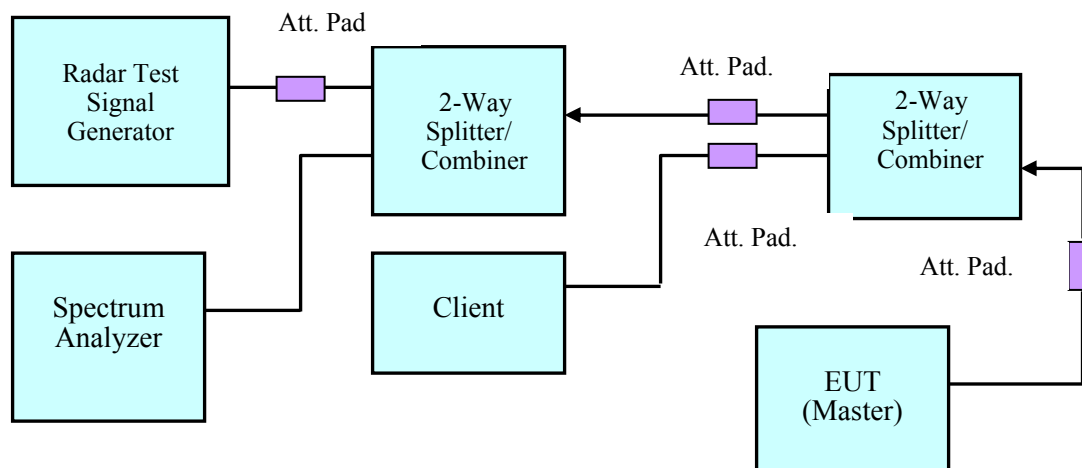
## 4.2 DFS Measurement System

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

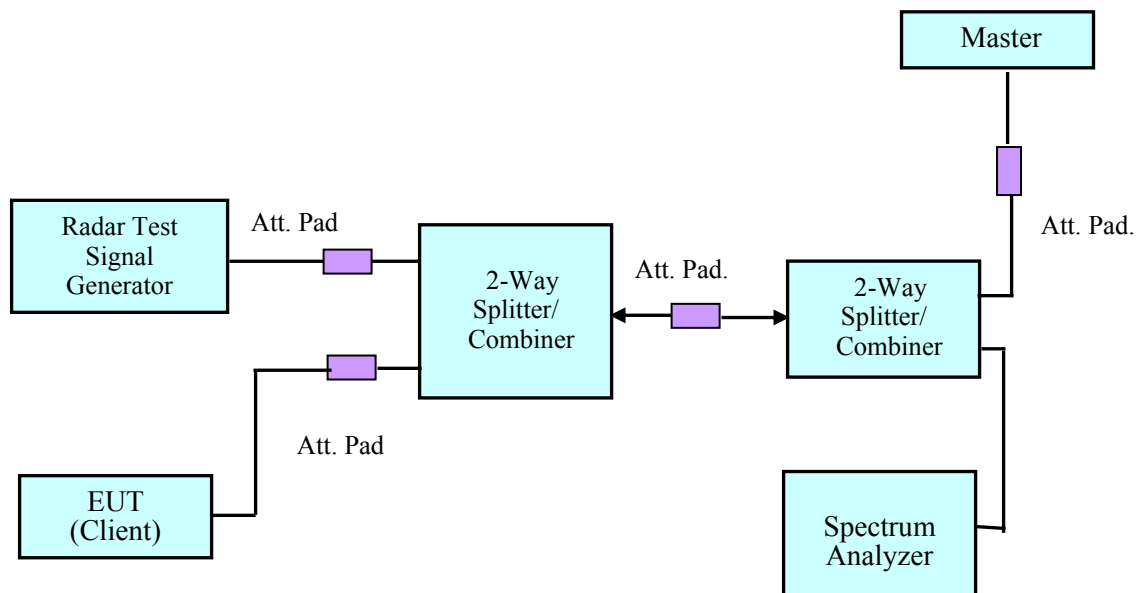
## 4.3 System Block Diagram



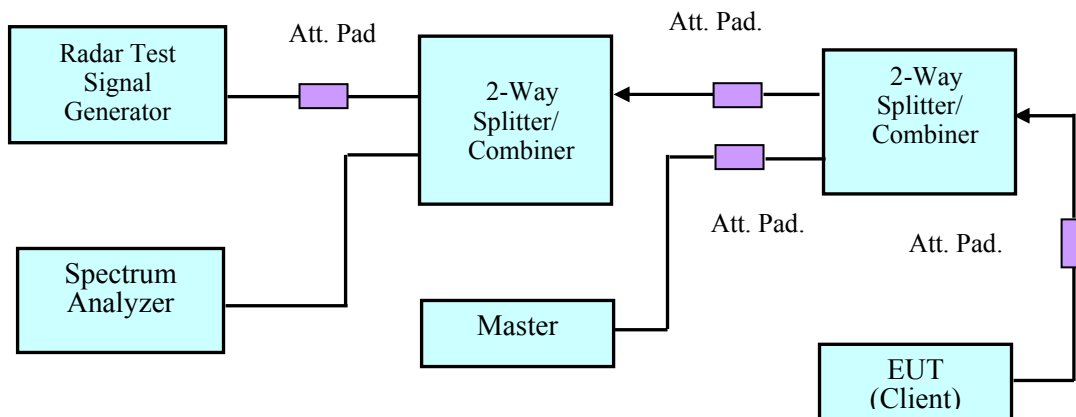
#### 4.4 Conducted Method



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

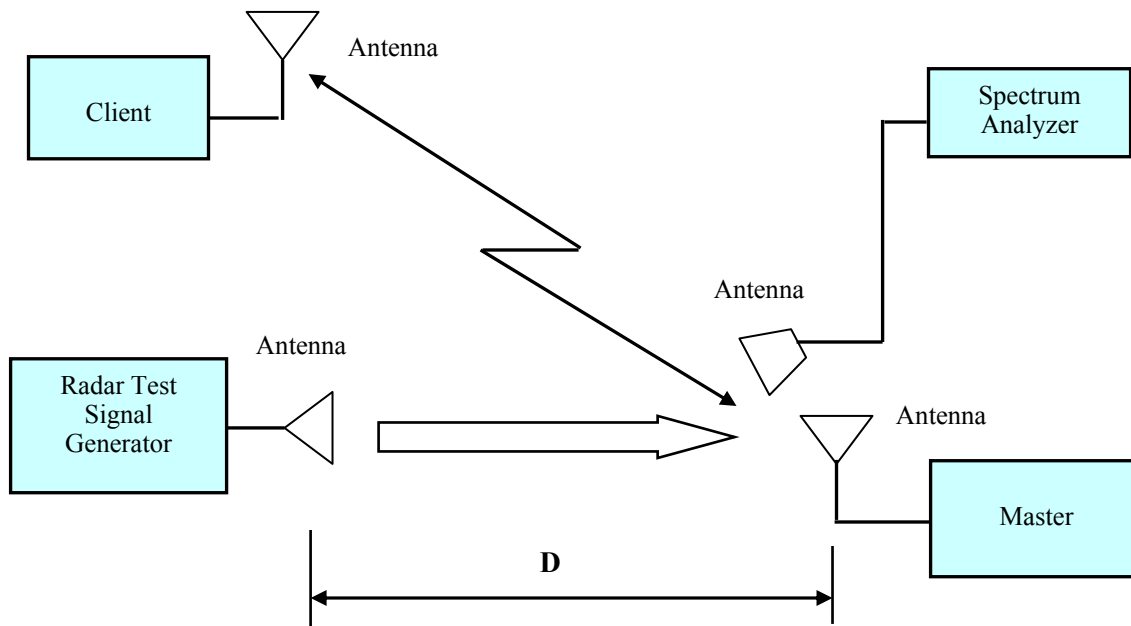


**Setup for Client with injection at the Master**



**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) at 5250-5350MHz, Therefore the required interference threshold level is -64 dBm, the required radiated threshold at antenna port is -64dBm.

The rated output power of EUT is <23 dBm (EIRP) at 5470-5725MHz, Therefore the required interference threshold level is -62 dBm, the required radiated threshold at antenna port is -62dBm.

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

The antenna used for DFS test listed below.

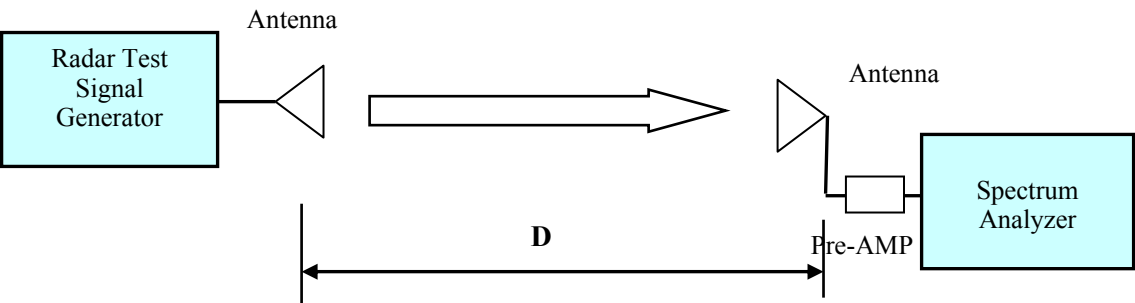
| Manufacturers | Models/Name       | Antenna Gain (dBi) @ 5 GHz |
|---------------|-------------------|----------------------------|
| Ruckus        | ZF7300 Horizontal | 3.0                        |
| Ruckus        | ZF7300 Vertical   | 2.0                        |

### 5.2 Test Equipment List and Details

| Manufacturer         | Equipment Description        | Model      | S/N        | Calibration Due Date |
|----------------------|------------------------------|------------|------------|----------------------|
| National Instruments | NI PXI-1042 8-Slot chassis   | PXI-1042   | V08X01EE1  | N/A                  |
| National Instruments | Arbitrary Waveform Generator | PXI-5421   | N/A        | N/A                  |
| National Instruments | RF Upconverter               | PXI-5610   | N/A        | N/A                  |
| ASCOR                | Upconverter                  | AS-7206    | N/A        | N/A                  |
| Agilent              | Spectrum Analyzer            | E4440A     | MY44303352 | 2016-06-22           |
| A.R.A.               | Antenna Horn                 | DRG-118/A  | 1132       | 2017-09-21           |
| EMCO                 | Antenna Horn                 | 3115       | 9511-4627  | 2018-01-28           |
| Mini-Circuits        | Splitter/Combiner            | 2FSC-2-10G | 0349       | N/A                  |
| Narda                | Splitter/Combiner            | 4326B-2    | 03514      | N/A                  |
| Midwest              | Attenuator                   | 290-30     | N/A        | N/A                  |
| Mini-Circuits        | Attenuator                   | BW-S30W2   | N/A        | N/A                  |

**Statement of Traceability:** *BACL Corp.* attests that all calibrations have been performed according to A2LA requirements, traceable to the NIST.

5.3 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.4 Test Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 24 °C     |
| Relative Humidity: | 47 %      |
| ATM Pressure:      | 102.1 kPa |

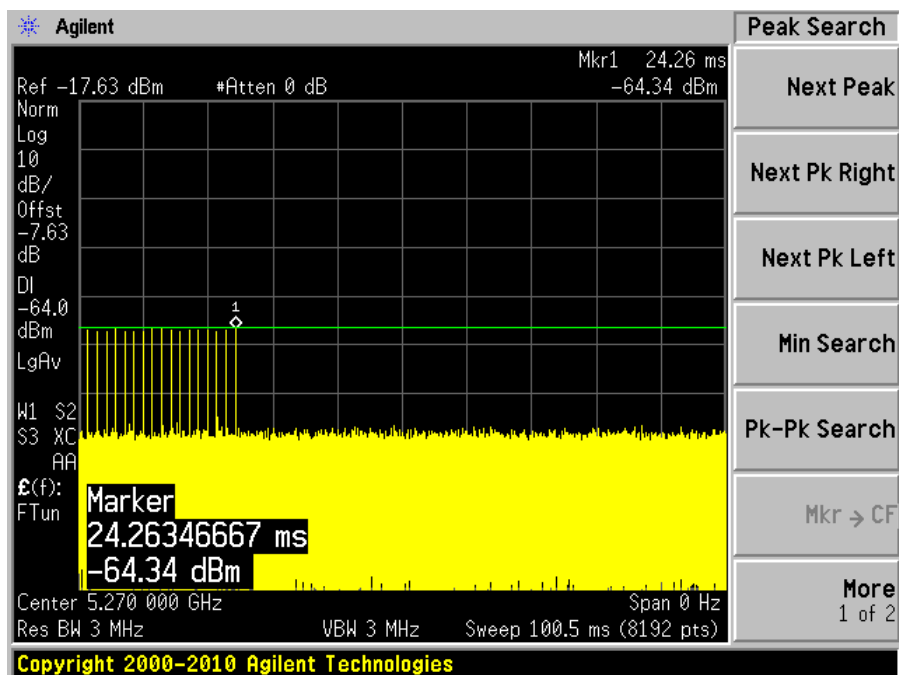
The testing performed by Jin Yang on 2016-03-09 at DFS testing site.



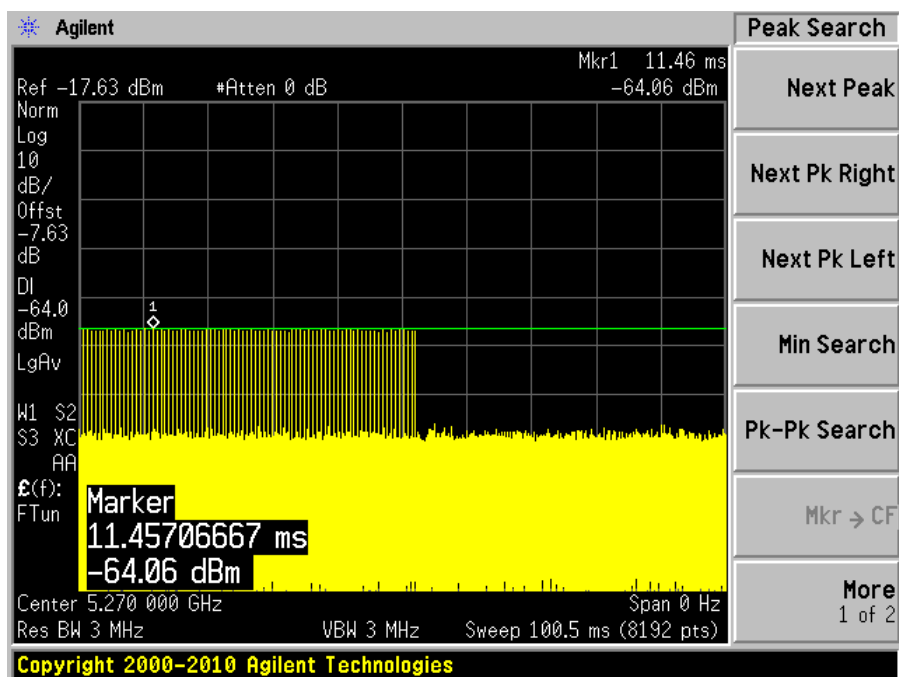
## Plots of Radar Waveforms

5270 MHz

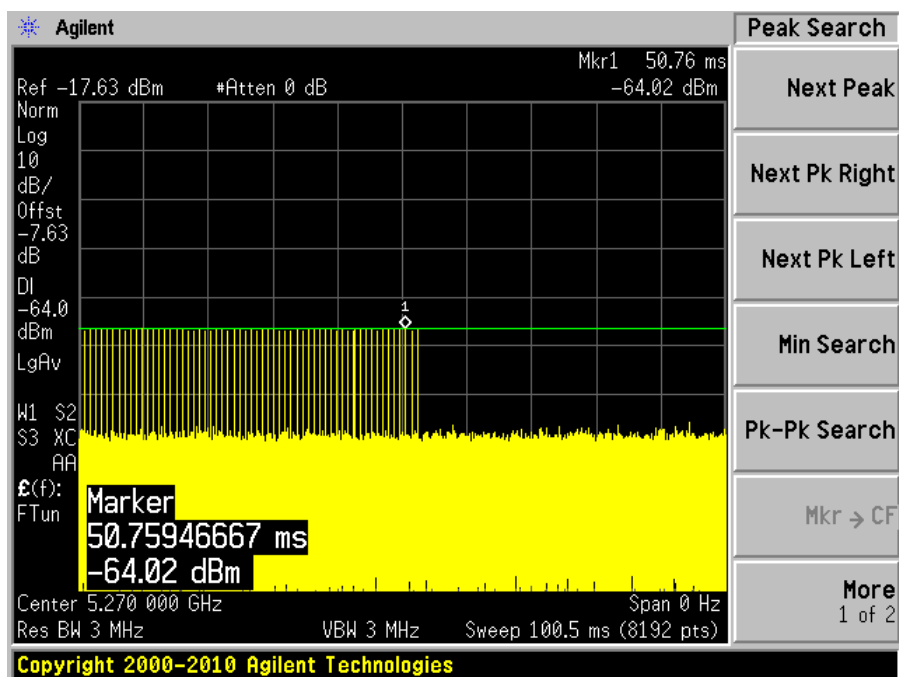
### Radar Type 0



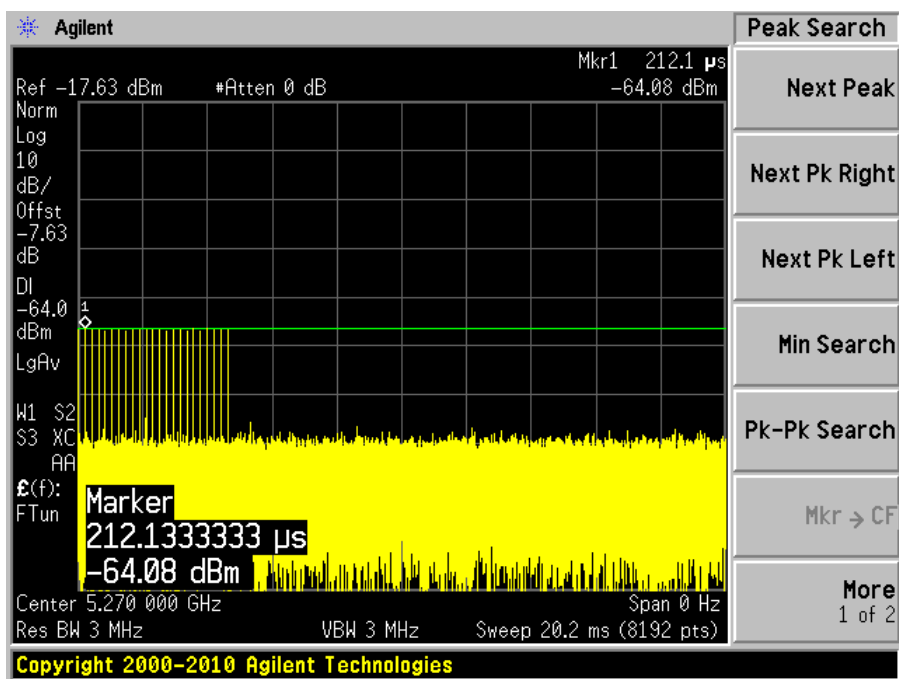
### Radar Type 1A



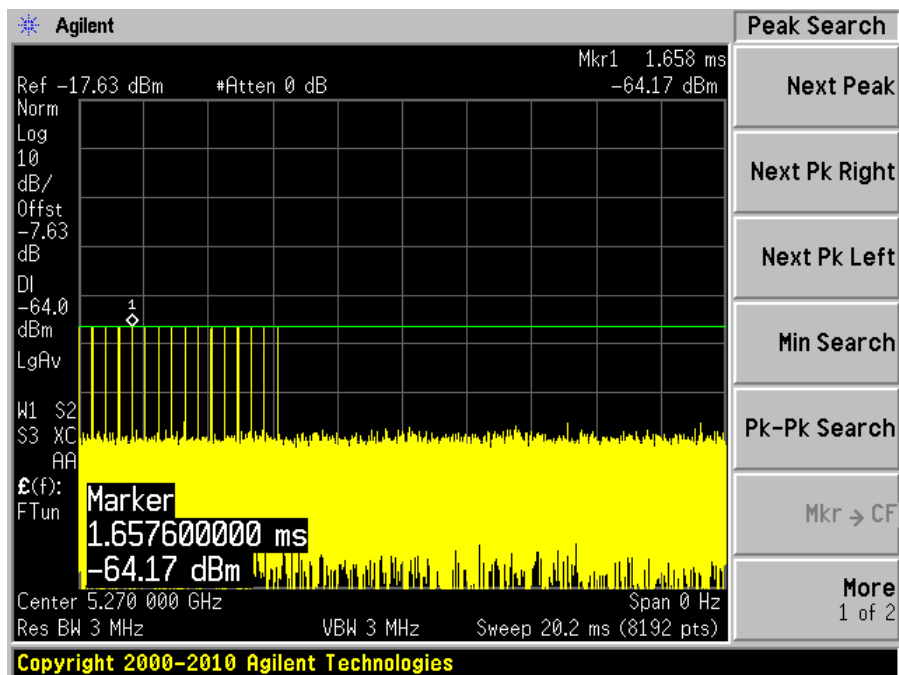
## Radar Type 1B



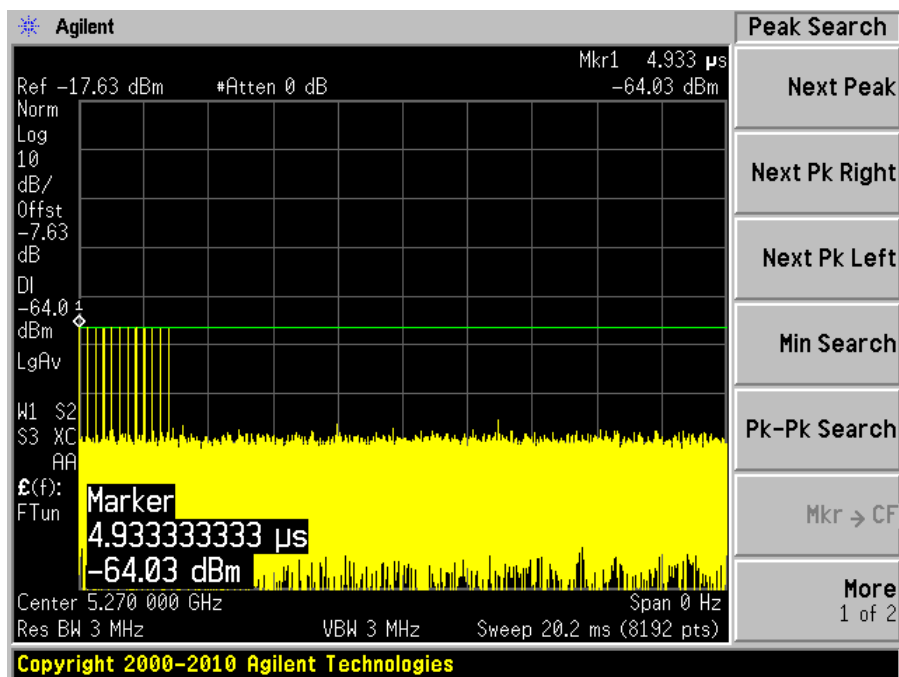
## Radar Type 2



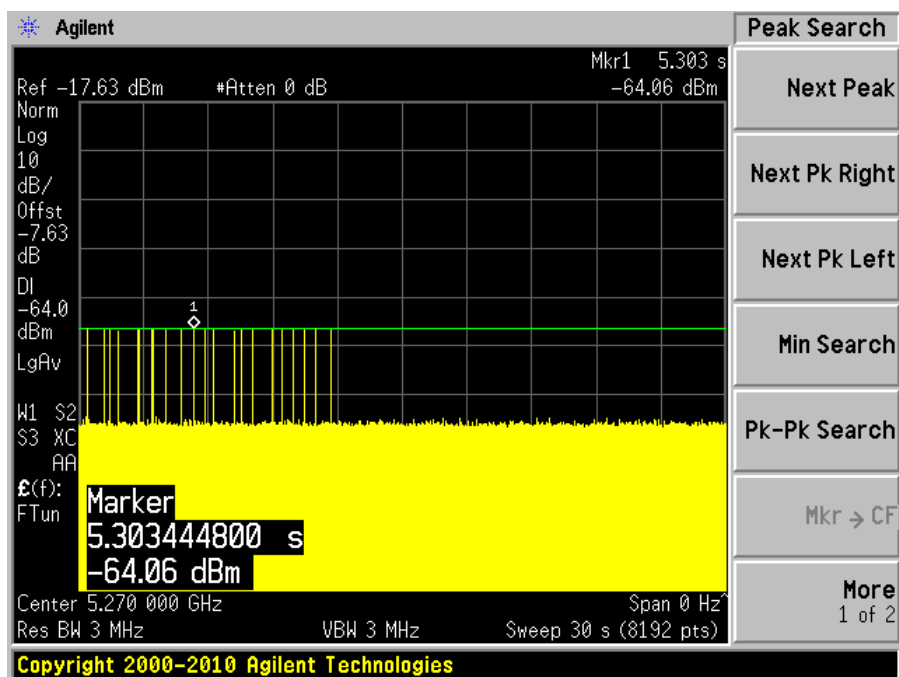
## Radar Type 3



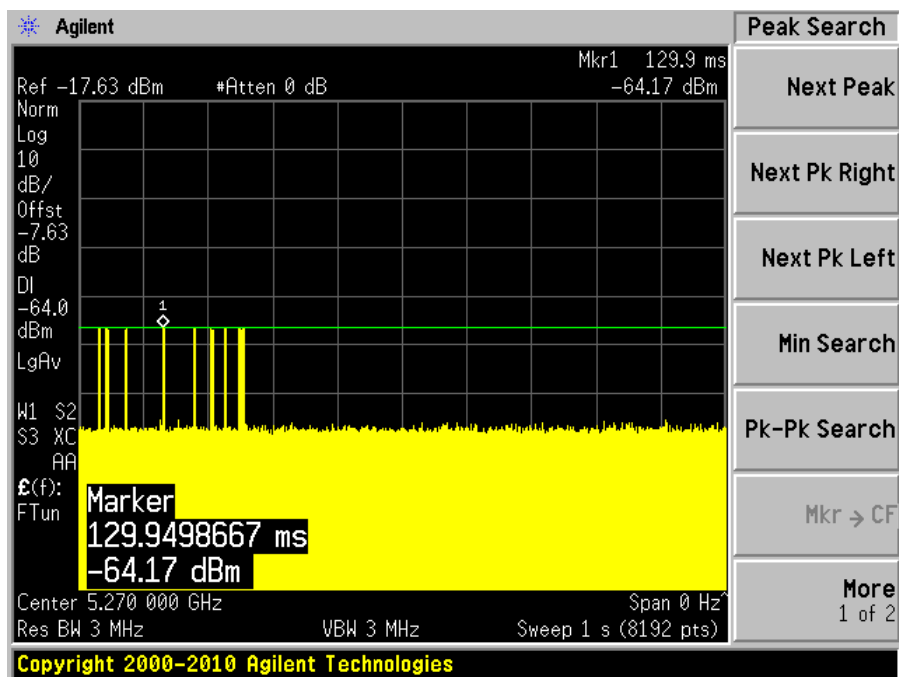
## Radar Type 4



## Radar Type 5

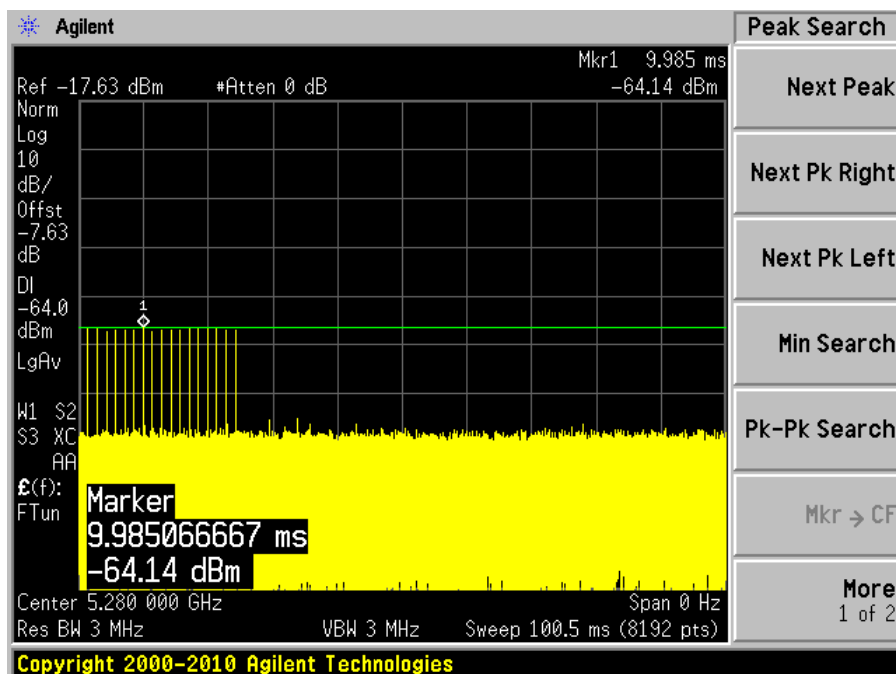


## Radar Type 6

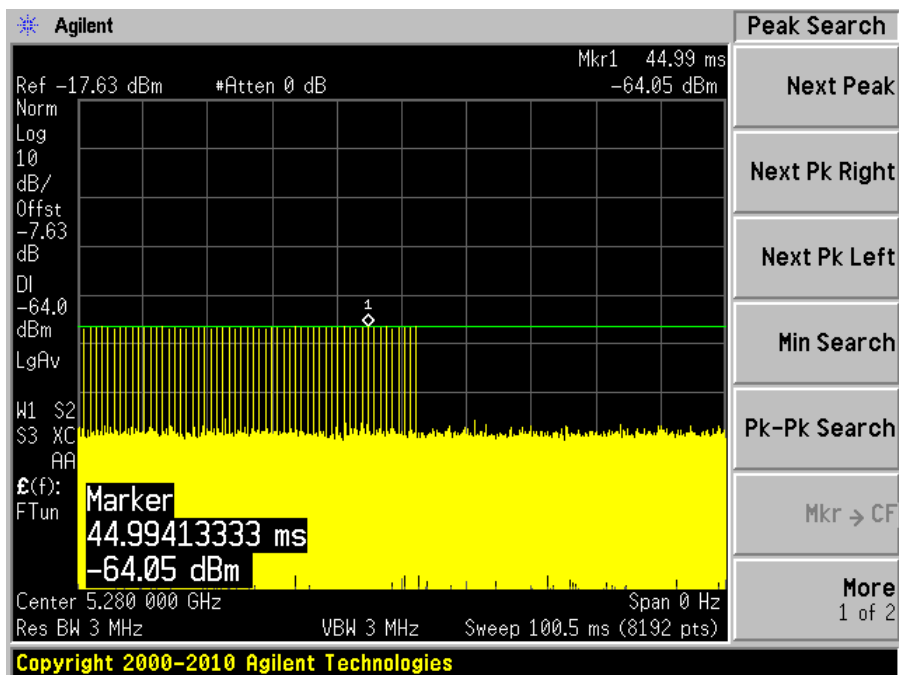


5280 MHz

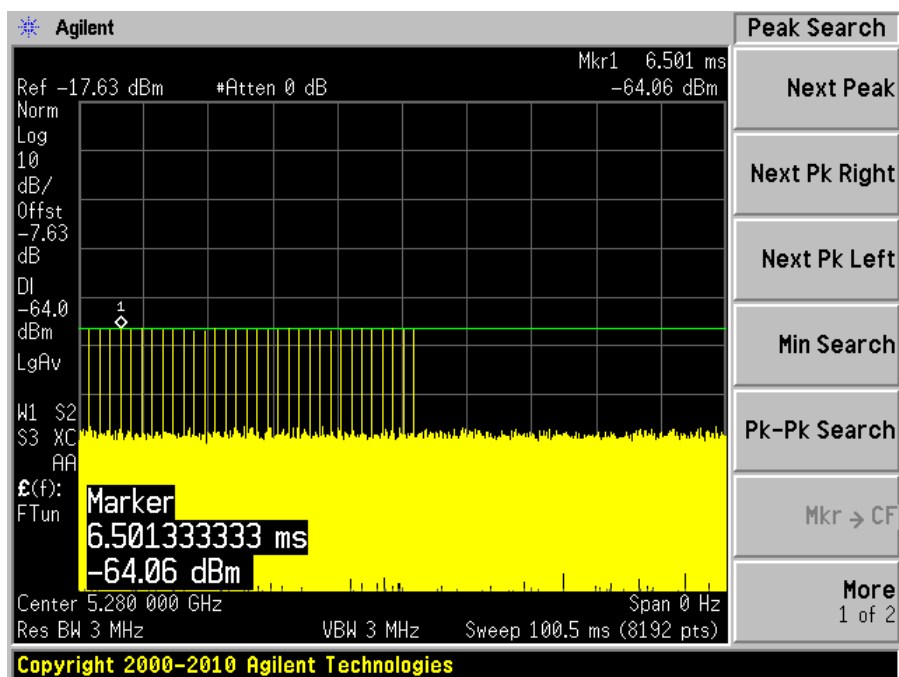
## Radar Type 0



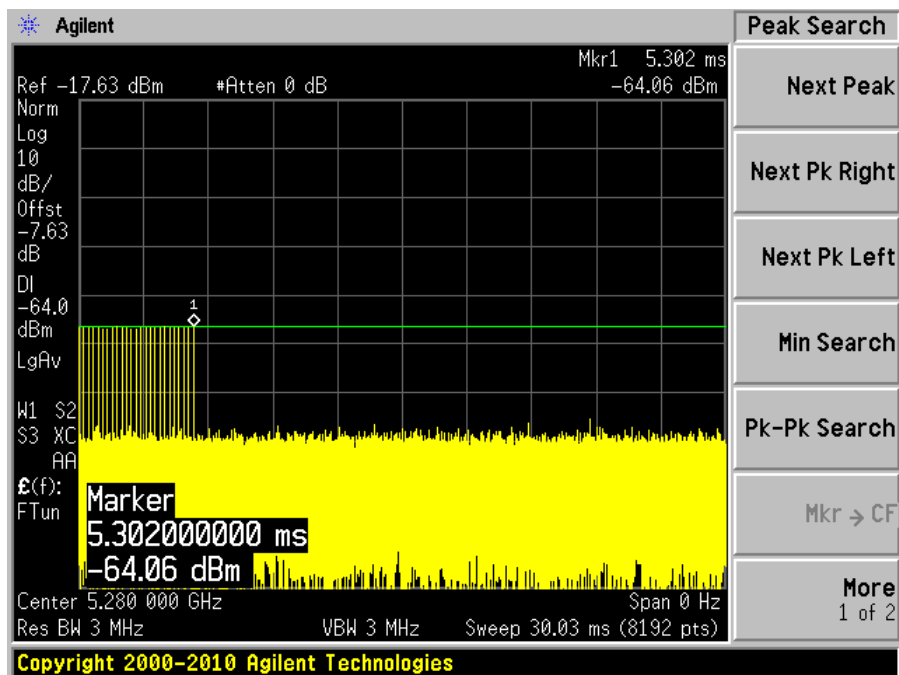
## Radar Type 1A



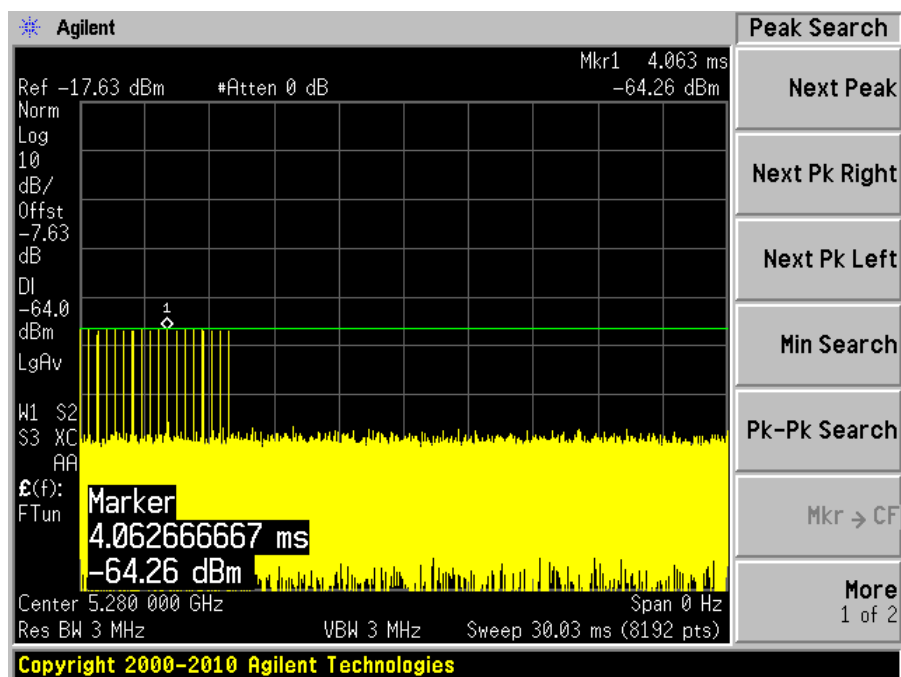
## Radar Type 1B



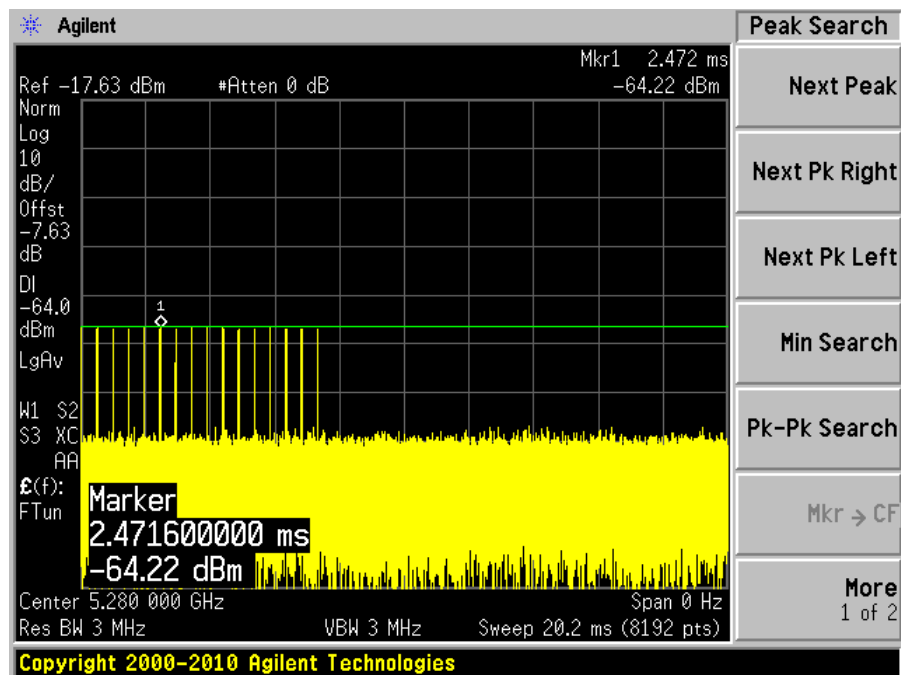
## Radar Type 2



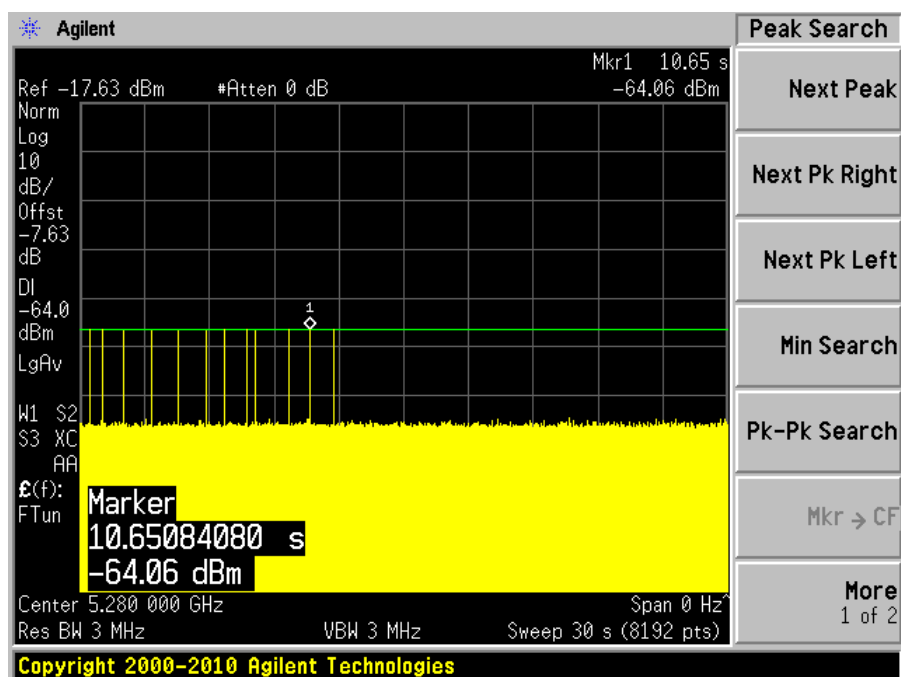
## Radar Type 3



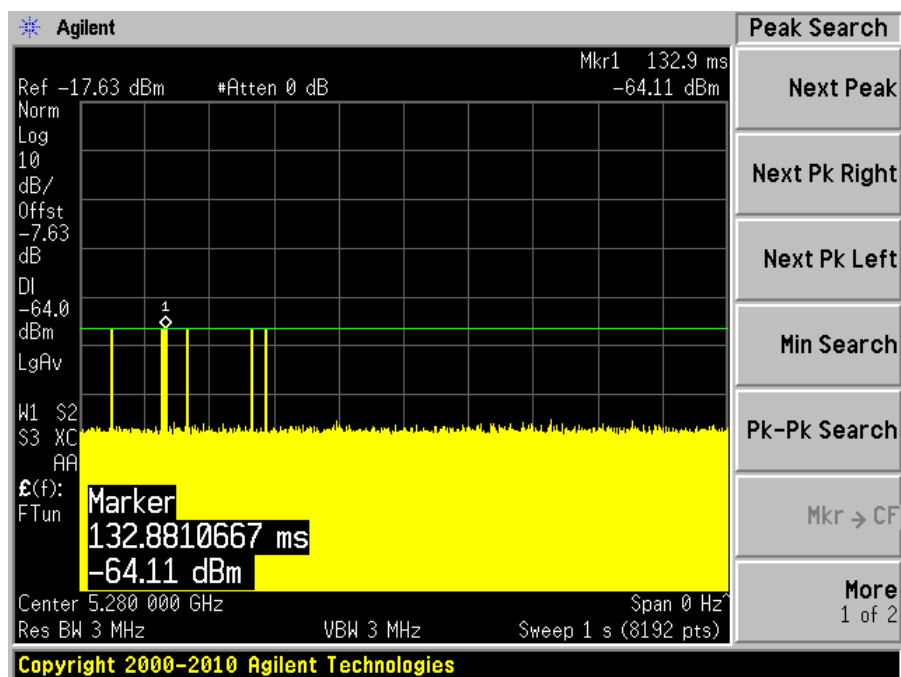
## Radar Type 4



## Radar Type 5



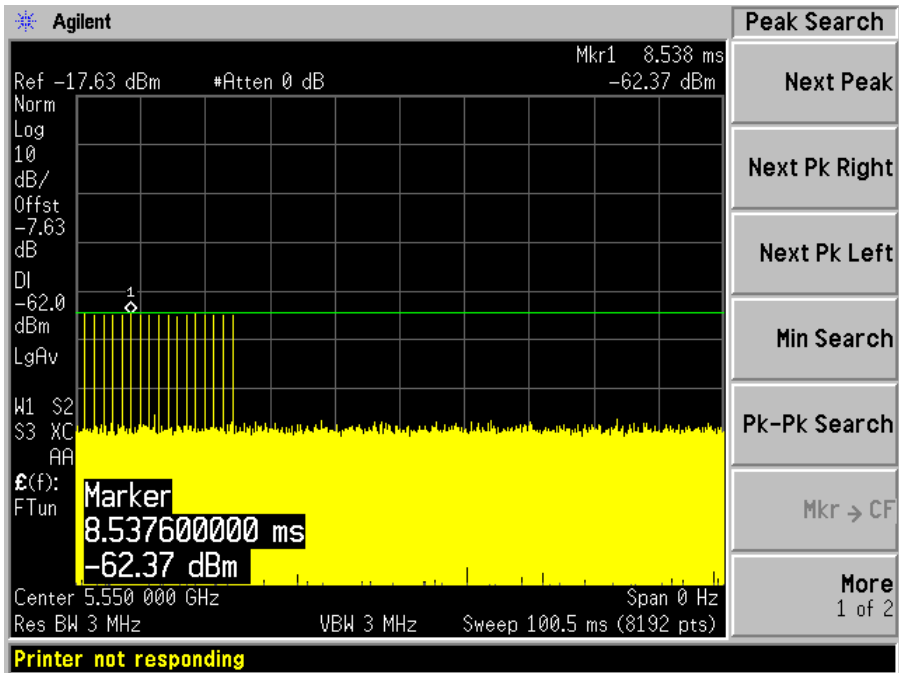
## Radar Type 6



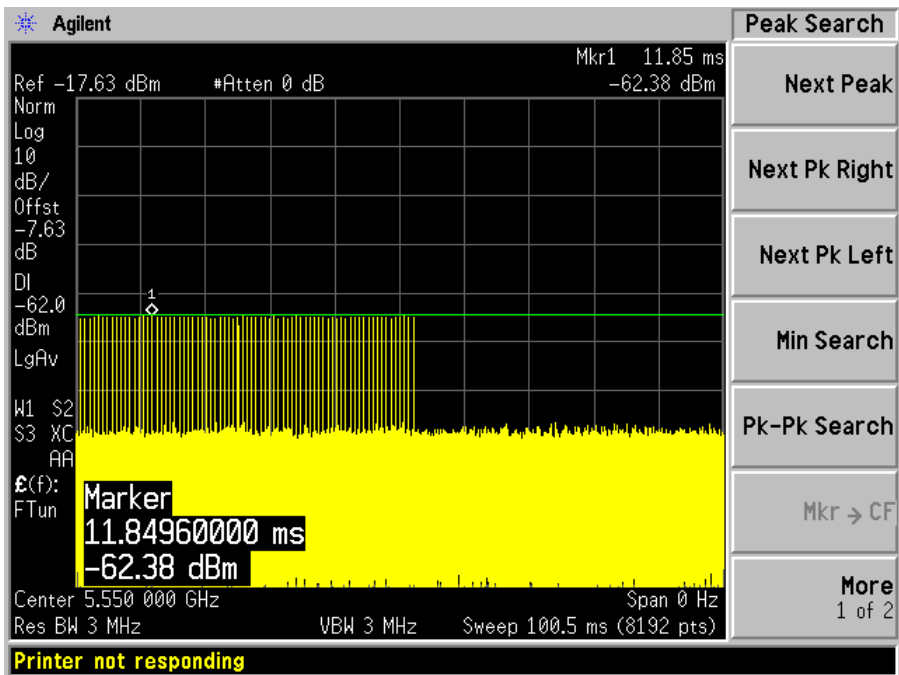


5550 MHz

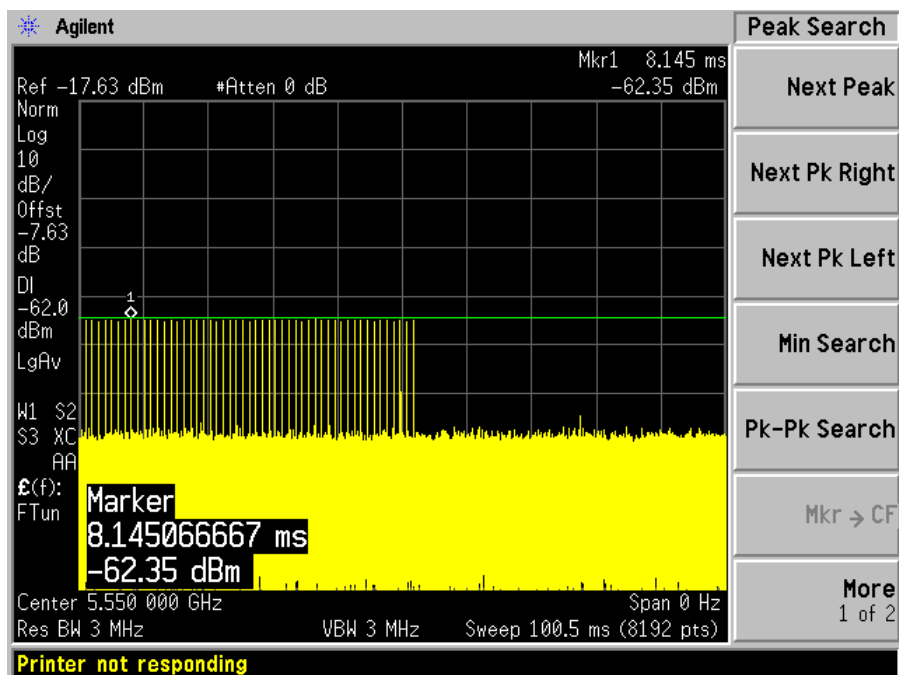
Radar Type 0



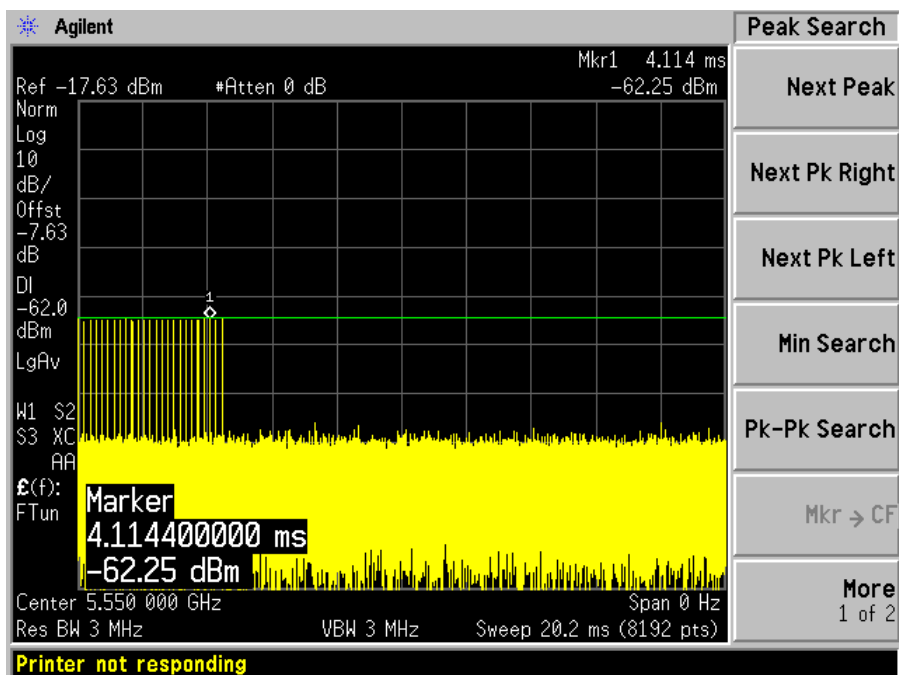
Radar Type 1A



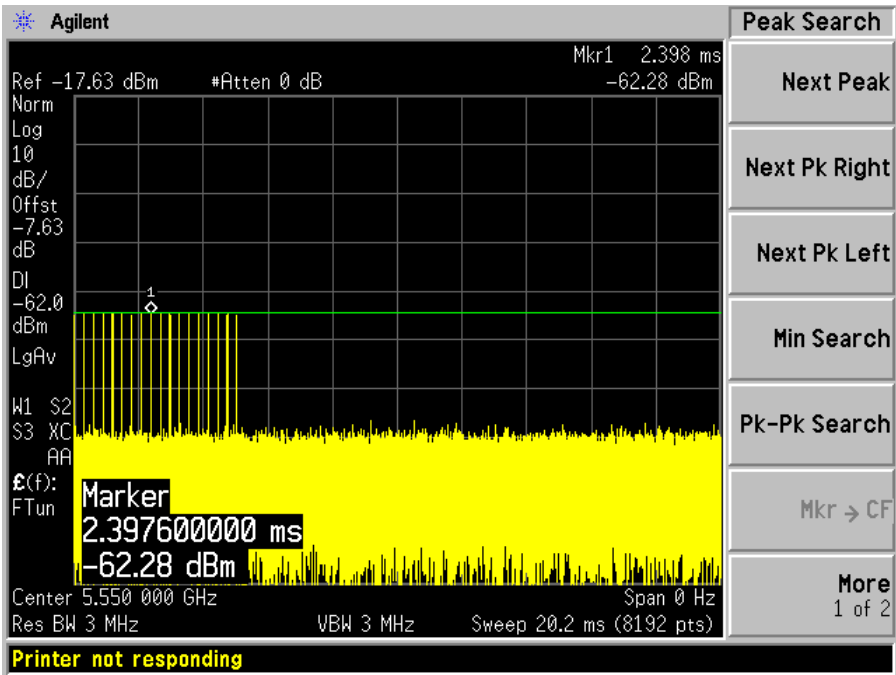
## Radar Type 1B



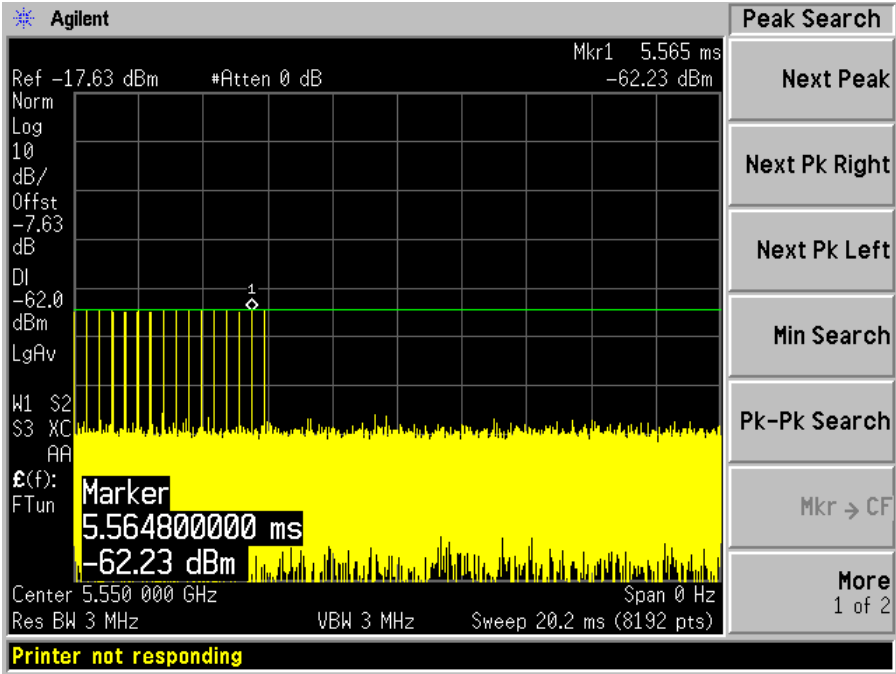
## Radar Type 2



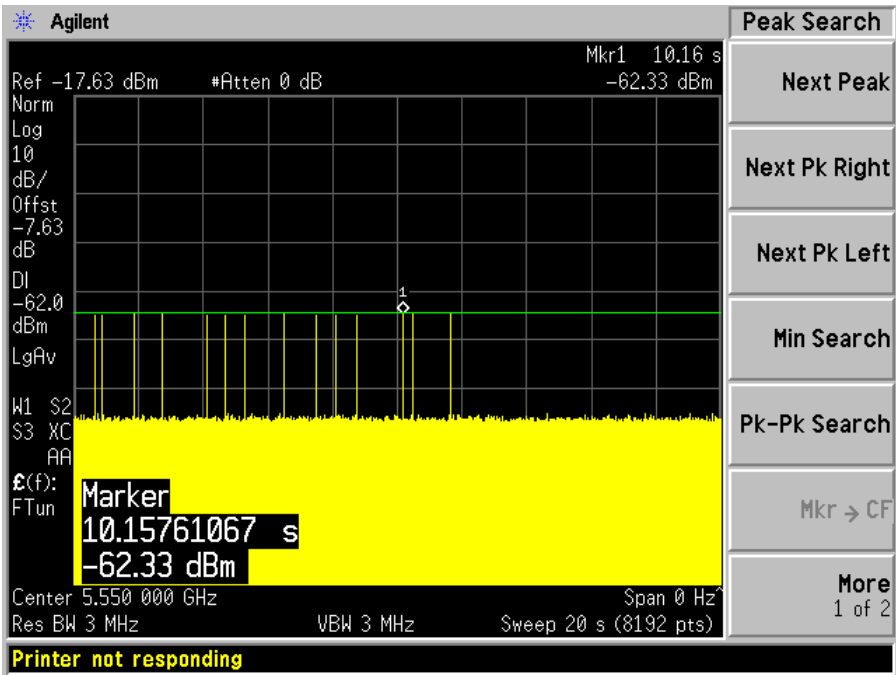
Radar Type 3



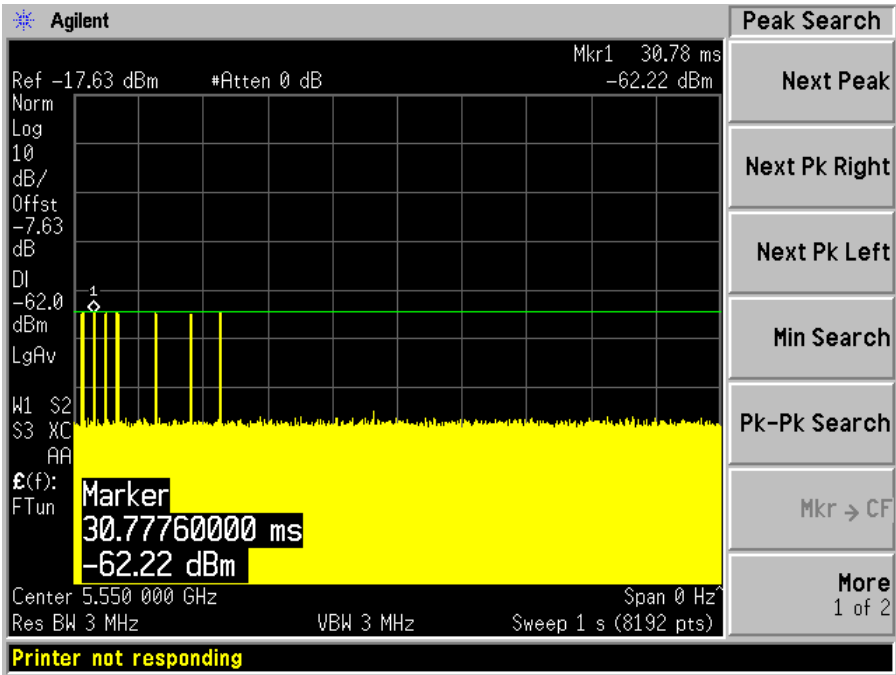
Radar Type 4



Radar Type 5

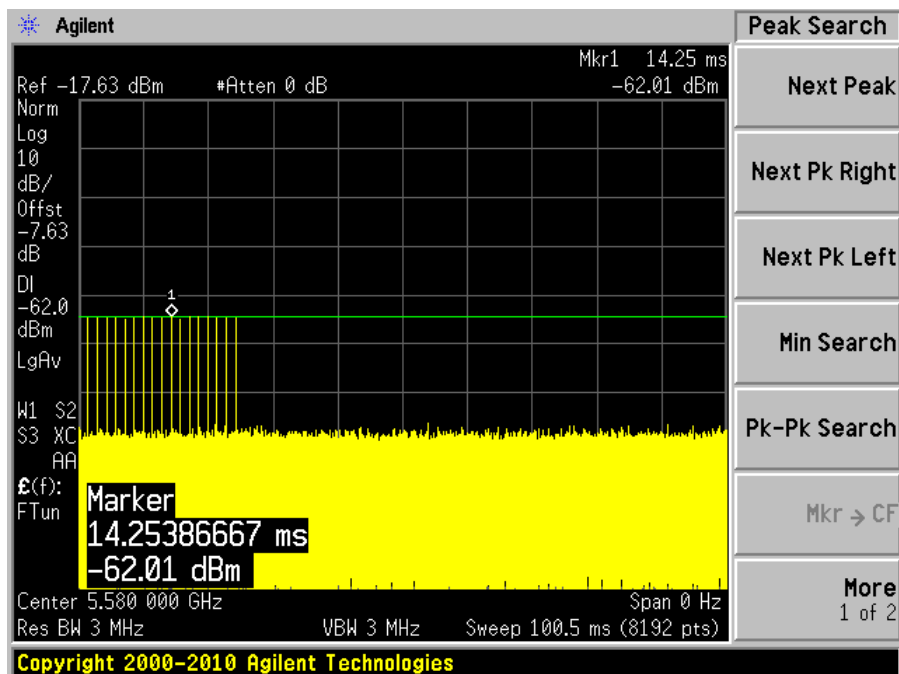


Radar Type 6

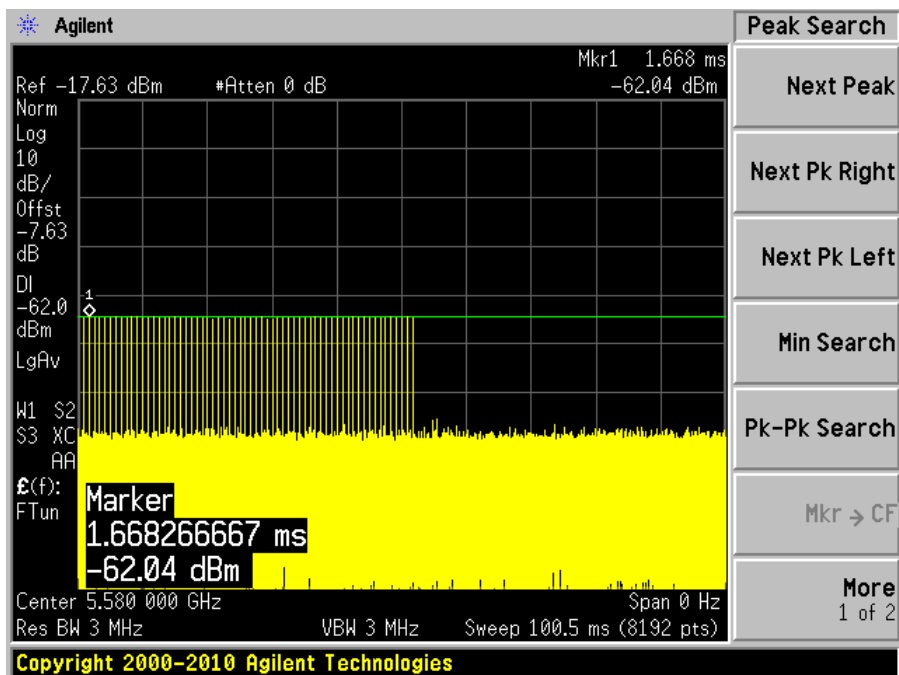


5580 MHz

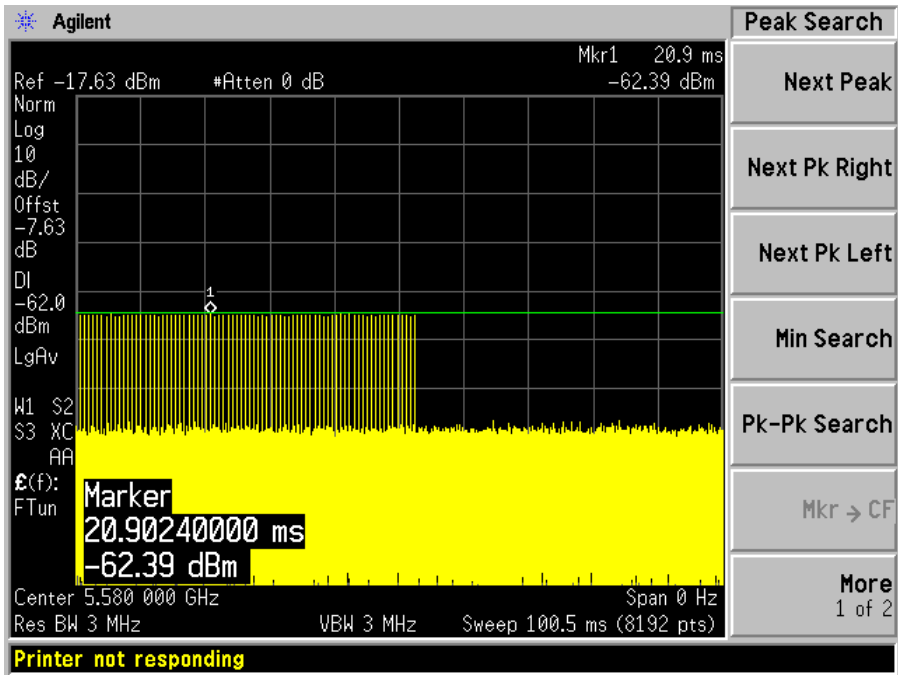
## Radar Type 0



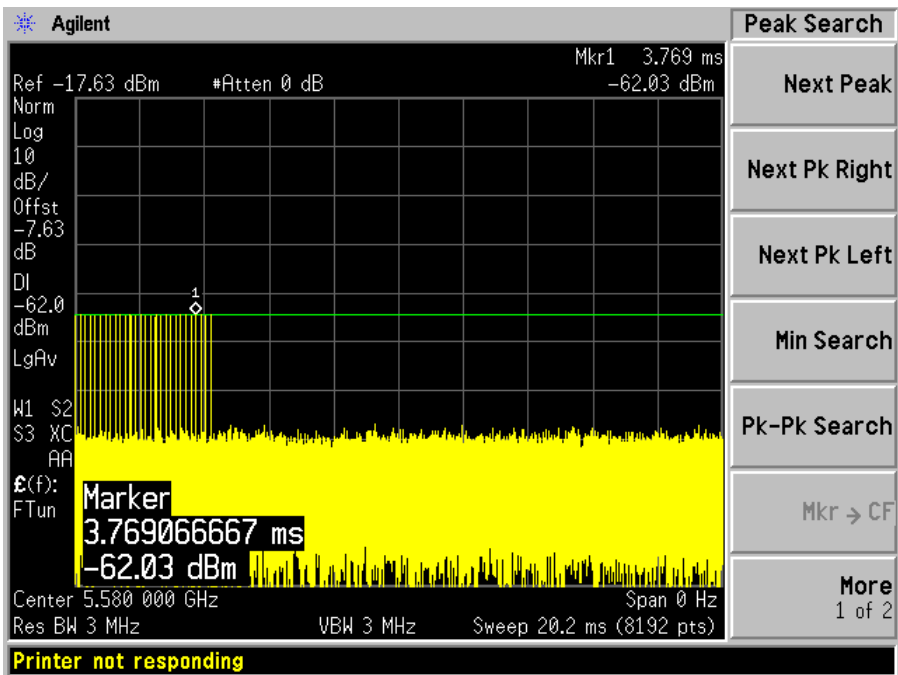
## Radar Type 1A



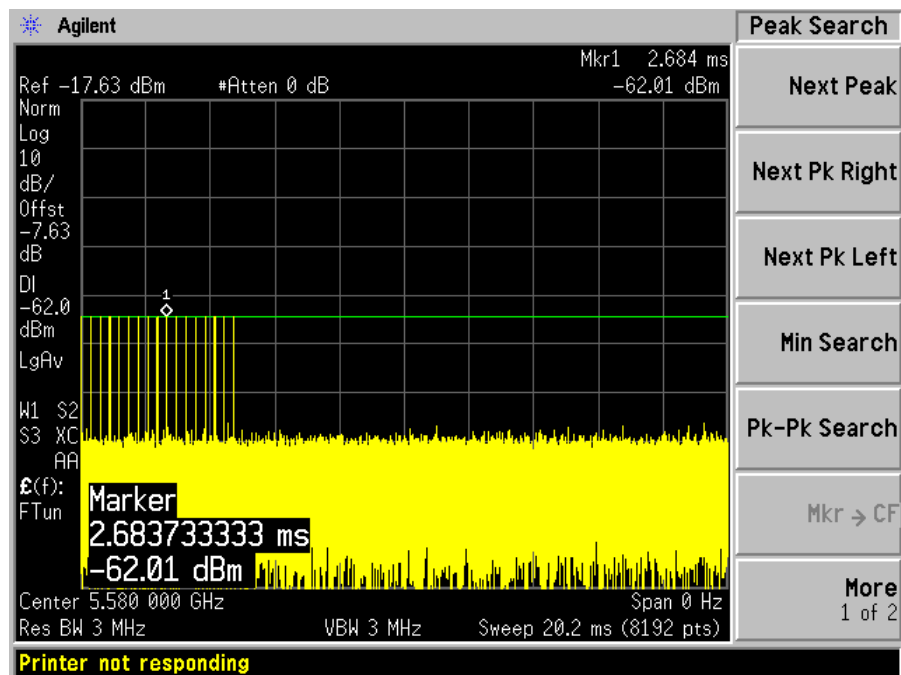
Radar Type 1B



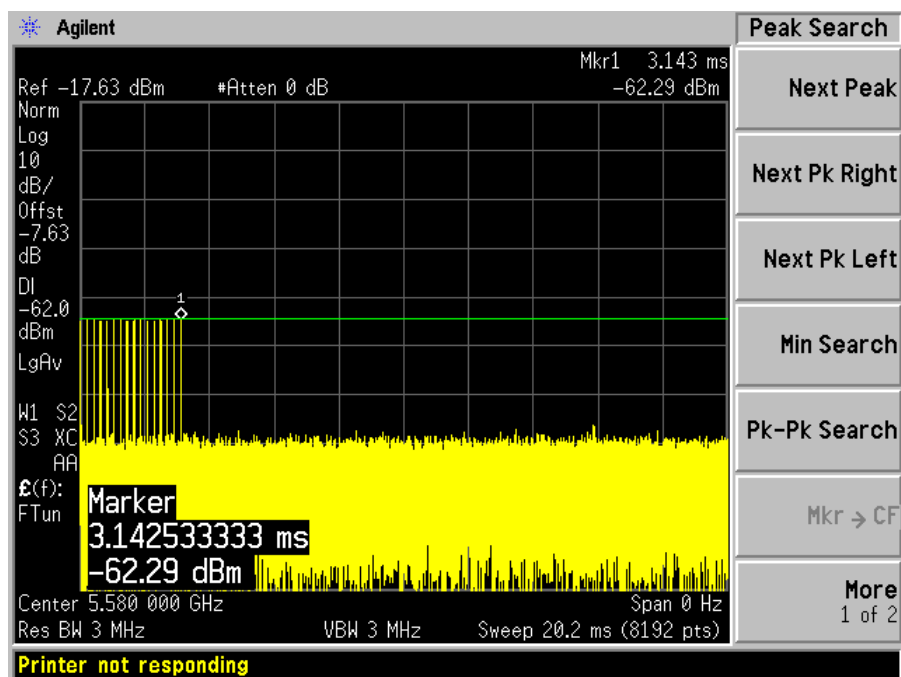
Radar Type 2



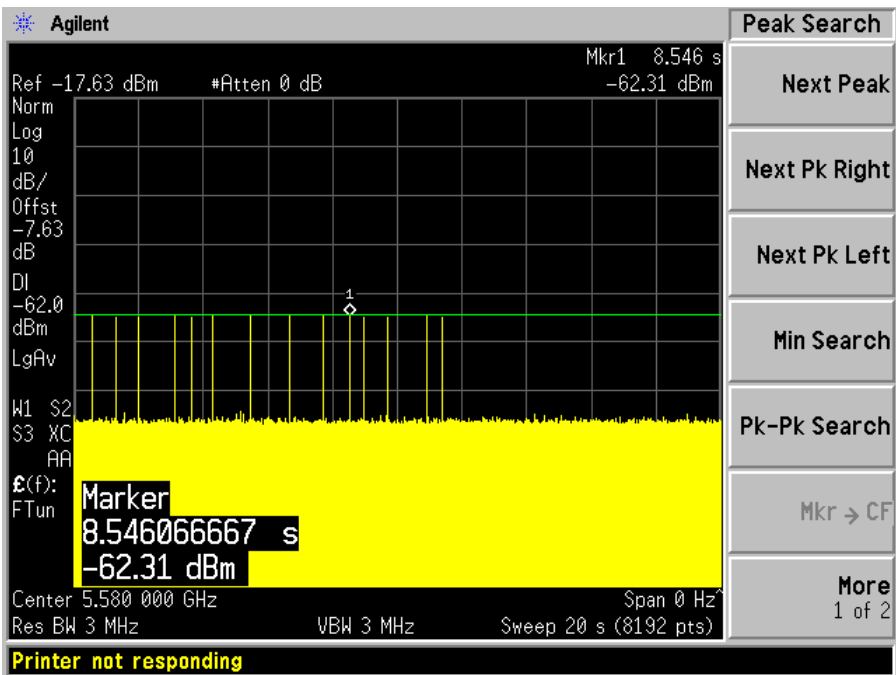
## Radar Type 3



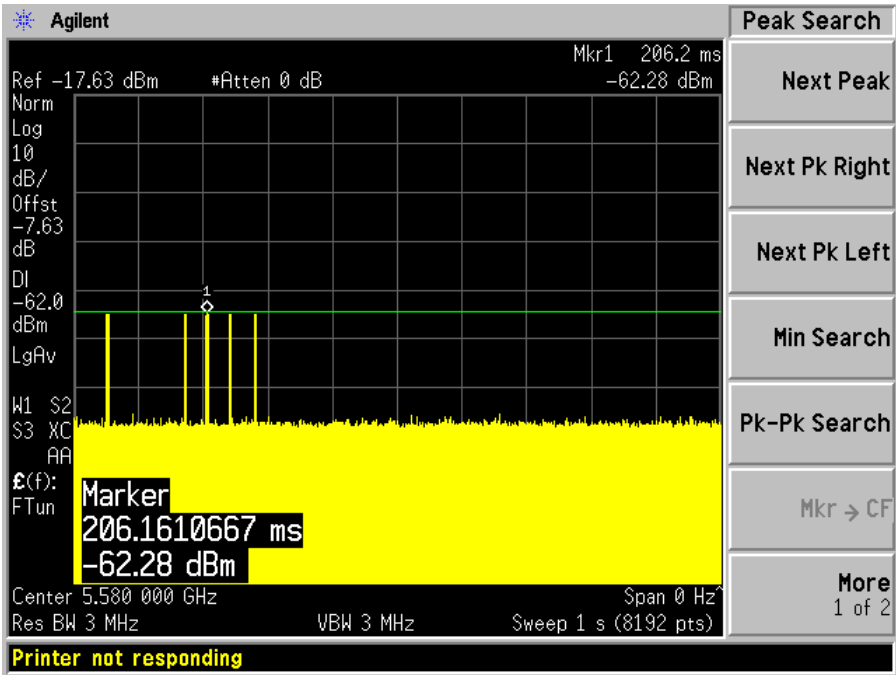
## Radar Type 4



Radar Type 5



Radar Type 6





## 6 Radar Detection Bandwidth & Radar Detection Performance Check

### 6.1 Detection Bandwidth

#### Procedure:

Performed with short pulse radar waveforms (type 0)

Start with radar generator frequency set to the center of the channel ( $F_c$ )

Perform at least 10 trials and confirm at least 90% detected

Increment radar generator frequency by 5 MHz and repeat

Perform at least 10 trials and confirm at least 90% detected

Continue incrementing the radar frequency until detection rate falls below 90%

Starting at  $F_c - 5$  MHz, Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall.

$F_L$  is the lowest frequency at which detection was 100% or better

$F_H$  is the highest frequency at which detection was 100% or better

UNII Detection Bandwidth =  $F_H - F_L$

#### Test Results

| Frequency (MHz) | $F_L$ (MHz) | $F_H$ (MHz) | Detection Bandwidth (MHz) | Result     |
|-----------------|-------------|-------------|---------------------------|------------|
| 5280            | 5270        | 5290        | 20                        | Compliance |
| 5580            | 5570        | 5590        | 20                        | Compliance |
| 5270            | 5250        | 5290        | 40                        | Compliance |
| 5550            | 5530        | 5570        | 40                        | Compliance |

Please refer to the following tables and plots.

**Results of Detection Bandwidth:**

| <b>EUT Frequency = 5280 MHz</b>                                             |          |          |          |          |          |          |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, Blank = 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> |
| 5269                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5270(F<sub>L</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5275                                                                        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5280(F <sub>c</sub> )                                                       | 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>=5290-5270=20 MHz</b> |          |          |          |          |          |          |          |          |          |           |                           |

| <b>EUT Frequency = 5580 MHz</b>                                             |          |          |          |          |          |          |          |          |          |           |                           |
|-----------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------------------------|
| <b>DFS Detection Trials ( 1 = Detected, Blank = 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> |
| 5569                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>5570(F<sub>L</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5575                                                                        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5580(F <sub>c</sub> )                                                       | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5585                                                                        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| <b>5590(F<sub>H</sub>)</b>                                                  | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1         | 100 %                     |
| 5591                                                                        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0 %                       |
| <b>Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub>=5590-5570=20 MHz</b> |          |          |          |          |          |          |          |          |          |           |                           |

| EUT Frequency = 5270 MHz                                                |   |   |   |   |   |   |   |   |   |    |                    |
|-------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials ( 1 = Detected, Blank = No Detected)               |   |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                                   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5249                                                                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 %                |
| <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 %                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> =5290-5250=40 MHz |   |   |   |   |   |   |   |   |   |    |                    |

| EUT Frequency = 5550 MHz                                                |   |   |   |   |   |   |   |   |   |    |                    |
|-------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials ( 1 = Detected, Blank = No Detected)               |   |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                                   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5529                                                                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 %                |
| <b>5530(F<sub>L</sub>)</b>                                              | 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 (F <sub>c</sub> )                                                  | 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 %                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> =5570-5530=40 MHz |   |   |   |   |   |   |   |   |   |    |                    |

## 6.2 Radar Detection Performance Check

### Procedure:

Stream MPEG file from master to slave

Generate radar waveform

Record whether or not the waveform was detected

At least 30 trials are applied for each radar type

For radar types with randomized parameters, each trial uses a unique waveform

Perform with each of the radar types 1-6

Confirm that the detection rate for each radar type meets the minimum requirement

Type 1A&1B, 2, 3, 4: 60% each

Type 5: 80%

Type 6: 70%

Confirm that the mean of the rates for radar types 1 through 4 meets the requirement of 80%

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

### Test Results:

#### 5280 MHz, 20 MHz Bandwidth

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

Please refer to the following statistical tables:

**5280 MHz, 20 MHz Bandwidth****Table-1 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            | 70                 | 1                       | 758             | 1                              |
| 2                                            | 5510            | 67                 | 1                       | 798             | 1                              |
| 3                                            | 5510            | 68                 | 1                       | 778             | 1                              |
| 4                                            | 5510            | 81                 | 1                       | 658             | 1                              |
| 5                                            | 5510            | 95                 | 1                       | 558             | 1                              |
| 6                                            | 5510            | 63                 | 1                       | 838             | 1                              |
| 7                                            | 5510            | 74                 | 1                       | 718             | 1                              |
| 8                                            | 5510            | 72                 | 1                       | 738             | 1                              |
| 9                                            | 5510            | 76                 | 1                       | 698             | 1                              |
| 10                                           | 5510            | 62                 | 1                       | 858             | 1                              |
| 11                                           | 5510            | 83                 | 1                       | 638             | 1                              |
| 12                                           | 5510            | 65                 | 1                       | 818             | 1                              |
| 13                                           | 5510            | 59                 | 1                       | 898             | 1                              |
| 14                                           | 5510            | 18                 | 1                       | 3066            | 1                              |
| 15                                           | 5510            | 99                 | 1                       | 538             | 1                              |
| 16                                           | 5510            | 38                 | 1                       | 1420            | 1                              |
| 17                                           | 5510            | 19                 | 1                       | 2799            | 1                              |
| 18                                           | 5510            | 38                 | 1                       | 1390            | 1                              |
| 19                                           | 5510            | 23                 | 1                       | 2306            | 1                              |
| 20                                           | 5510            | 18                 | 1                       | 2963            | 1                              |
| 21                                           | 5510            | 35                 | 1                       | 1543            | 1                              |
| 22                                           | 5510            | 21                 | 1                       | 2539            | 1                              |
| 23                                           | 5510            | 50                 | 1                       | 1064            | 1                              |
| 24                                           | 5510            | 22                 | 1                       | 2409            | 1                              |
| 25                                           | 5510            | 39                 | 1                       | 1388            | 1                              |
| 26                                           | 5510            | 33                 | 1                       | 1619            | 1                              |
| 27                                           | 5510            | 36                 | 1                       | 1492            | 1                              |
| 28                                           | 5510            | 26                 | 1                       | 2106            | 1                              |
| 29                                           | 5510            | 33                 | 1                       | 1603            | 1                              |
| 30                                           | 5510            | 28                 | 1                       | 1908            | 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            | 24                 | 4.5                     | 193             | 1                              |
| 2                                            | 5510            | 29                 | 4.4                     | 159             | 1                              |
| 3                                            | 5510            | 28                 | 4.1                     | 169             | 1                              |
| 4                                            | 5510            | 26                 | 1.9                     | 221             | 1                              |
| 5                                            | 5510            | 25                 | 2.5                     | 169             | 1                              |
| 6                                            | 5510            | 25                 | 3                       | 180             | 1                              |
| 7                                            | 5510            | 26                 | 3.6                     | 195             | 1                              |
| 8                                            | 5510            | 23                 | 2.1                     | 224             | 1                              |
| 9                                            | 5510            | 28                 | 1.1                     | 201             | 1                              |
| 10                                           | 5510            | 28                 | 3.6                     | 211             | 1                              |
| 11                                           | 5510            | 24                 | 3.7                     | 213             | 1                              |
| 12                                           | 5510            | 25                 | 3.4                     | 221             | 1                              |
| 13                                           | 5510            | 24                 | 1.3                     | 151             | 1                              |
| 14                                           | 5510            | 26                 | 4.1                     | 163             | 1                              |
| 15                                           | 5510            | 28                 | 4.5                     | 223             | 1                              |
| 16                                           | 5510            | 26                 | 3.5                     | 193             | 1                              |
| 17                                           | 5510            | 24                 | 4.2                     | 158             | 1                              |
| 18                                           | 5510            | 24                 | 4.4                     | 221             | 1                              |
| 19                                           | 5510            | 23                 | 1.8                     | 213             | 1                              |
| 20                                           | 5510            | 25                 | 1.6                     | 202             | 1                              |
| 21                                           | 5510            | 27                 | 3.1                     | 161             | 1                              |
| 22                                           | 5510            | 29                 | 1.3                     | 208             | 1                              |
| 23                                           | 5510            | 27                 | 1.7                     | 193             | 1                              |
| 24                                           | 5510            | 27                 | 3.3                     | 228             | 1                              |
| 25                                           | 5510            | 23                 | 2.3                     | 158             | 1                              |
| 26                                           | 5510            | 26                 | 2.3                     | 215             | 1                              |
| 27                                           | 5510            | 23                 | 2.8                     | 155             | 1                              |
| 28                                           | 5510            | 25                 | 2                       | 162             | 1                              |
| 29                                           | 5510            | 23                 | 3.3                     | 197             | 1                              |
| 30                                           | 5510            | 29                 | 4                       | 179             | 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                 | 9.3                     | 313             | 1                              |
| 2                                            | 5510            | 18                 | 8.4                     | 321             | 1                              |
| 3                                            | 5510            | 16                 | 9.5                     | 375             | 1                              |
| 4                                            | 5510            | 17                 | 8.2                     | 280             | 1                              |
| 5                                            | 5510            | 16                 | 9.5                     | 428             | 1                              |
| 6                                            | 5510            | 18                 | 7.5                     | 468             | 1                              |
| 7                                            | 5510            | 17                 | 8.7                     | 365             | 1                              |
| 8                                            | 5510            | 16                 | 9.8                     | 471             | 1                              |
| 9                                            | 5510            | 17                 | 10                      | 441             | 1                              |
| 10                                           | 5510            | 17                 | 9.8                     | 461             | 1                              |
| 11                                           | 5510            | 16                 | 7.2                     | 233             | 1                              |
| 12                                           | 5510            | 18                 | 7                       | 286             | 1                              |
| 13                                           | 5510            | 16                 | 6.5                     | 214             | 1                              |
| 14                                           | 5510            | 17                 | 6.5                     | 481             | 1                              |
| 15                                           | 5510            | 16                 | 6.7                     | 485             | 1                              |
| 16                                           | 5510            | 18                 | 8.7                     | 226             | 1                              |
| 17                                           | 5510            | 18                 | 9.5                     | 252             | 1                              |
| 18                                           | 5510            | 18                 | 9.2                     | 242             | 1                              |
| 19                                           | 5510            | 17                 | 6.1                     | 211             | 1                              |
| 20                                           | 5510            | 18                 | 6.1                     | 453             | 1                              |
| 21                                           | 5510            | 17                 | 9.7                     | 423             | 1                              |
| 22                                           | 5510            | 18                 | 7.8                     | 289             | 1                              |
| 23                                           | 5510            | 18                 | 9.4                     | 260             | 1                              |
| 24                                           | 5510            | 18                 | 7.5                     | 338             | 1                              |
| 25                                           | 5510            | 16                 | 9.7                     | 346             | 1                              |
| 26                                           | 5510            | 18                 | 8.9                     | 494             | 1                              |
| 27                                           | 5510            | 18                 | 9.6                     | 205             | 1                              |
| 28                                           | 5510            | 16                 | 9.8                     | 458             | 1                              |
| 29                                           | 5510            | 18                 | 9.4                     | 219             | 1                              |
| 30                                           | 5510            | 18                 | 9.7                     | 278             | 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                                            | 5510            | 12                 | 20                      | 340             | 1                              |
| 2                                            | 5510            | 12                 | 12.1                    | 325             | 1                              |
| 3                                            | 5510            | 14                 | 18.5                    | 483             | 1                              |
| 4                                            | 5510            | 12                 | 14.4                    | 244             | 1                              |
| 5                                            | 5510            | 13                 | 14.9                    | 303             | 1                              |
| 6                                            | 5510            | 14                 | 16.8                    | 335             | 1                              |
| 7                                            | 5510            | 15                 | 18.1                    | 371             | 1                              |
| 8                                            | 5510            | 13                 | 15.8                    | 266             | 1                              |
| 9                                            | 5510            | 14                 | 13.3                    | 346             | 1                              |
| 10                                           | 5510            | 12                 | 13.2                    | 315             | 1                              |
| 11                                           | 5510            | 14                 | 19.6                    | 324             | 1                              |
| 12                                           | 5510            | 16                 | 15.4                    | 420             | 1                              |
| 13                                           | 5510            | 16                 | 19.7                    | 295             | 1                              |
| 14                                           | 5510            | 13                 | 13.1                    | 258             | 1                              |
| 15                                           | 5510            | 14                 | 14.2                    | 305             | 1                              |
| 16                                           | 5510            | 13                 | 19.1                    | 402             | 1                              |
| 17                                           | 5510            | 12                 | 15.8                    | 456             | 1                              |
| 18                                           | 5510            | 15                 | 19.8                    | 239             | 1                              |
| 19                                           | 5510            | 15                 | 11.6                    | 201             | 1                              |
| 20                                           | 5510            | 12                 | 12                      | 489             | 1                              |
| 21                                           | 5510            | 14                 | 19                      | 440             | 1                              |
| 22                                           | 5510            | 12                 | 12.7                    | 483             | 1                              |
| 23                                           | 5510            | 14                 | 11.2                    | 425             | 1                              |
| 24                                           | 5510            | 14                 | 12.2                    | 260             | 1                              |
| 25                                           | 5510            | 14                 | 13                      | 239             | 1                              |
| 26                                           | 5510            | 16                 | 18.3                    | 341             | 1                              |
| 27                                           | 5510            | 14                 | 15.3                    | 217             | 1                              |
| 28                                           | 5510            | 13                 | 15.6                    | 406             | 1                              |
| 29                                           | 5510            | 14                 | 15.8                    | 354             | 1                              |
| 30                                           | 5510            | 12                 | 18.5                    | 474             | 1                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |



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

Bin5 Statistics 1

**CF=5272 MHz**

| Trial # | Pulse | Chirp (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           | 88.7             |                        |                        | 0.343604       | 1                       |
| 1       | 1     | 8           | 89.9             |                        |                        | 1.02068        |                         |
| 2       | 2     | 18          | 94.5             | 1641                   |                        | 2.385073       |                         |
| 3       | 2     | 16          | 92.5             | 1702                   |                        | 3.573691       |                         |
| 4       | 1     | 10          | 86.1             |                        |                        | 3.70131        |                         |
| 5       | 2     | 17          | 90.7             | 1451                   |                        | 5.274813       |                         |
| 6       | 1     | 18          | 52               |                        |                        | 6.106983       |                         |
| 7       | 2     | 14          | 68.7             | 1630                   |                        | 6.666448       |                         |
| 8       | 2     | 15          | 66.8             | 1462                   |                        | 8.099741       |                         |
| 9       | 2     | 17          | 85.9             | 1088                   |                        | 8.713726       |                         |
| 10      | 1     | 13          | 66.2             |                        |                        | 9.33908        |                         |
| 11      | 2     | 18          | 72.9             | 1961                   |                        | 10.256954      |                         |
| 12      | 3     | 10          | 95.9             | 1459                   | 1098                   | 11.167076      |                         |

Bin5 Statistics 2

**CF=5275 MHz**

| Trial # | Pulse | Chirp (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          | 76.6             |                        |                        | 0.335748       | 1                       |
| 1       | 2     | 14          | 78.1             | 1796                   |                        | 1.77829        |                         |
| 2       | 2     | 11          | 55.2             | 1194                   |                        | 3.980242       |                         |
| 3       | 1     | 18          | 71.8             |                        |                        | 5.141042       |                         |
| 4       | 2     | 18          | 68.6             | 1401                   |                        | 5.35881        |                         |
| 5       | 1     | 5           | 84.3             |                        |                        | 7.792385       |                         |
| 6       | 2     | 6           | 53.2             | 1729                   |                        | 9.100773       |                         |
| 7       | 1     | 19          | 82.5             |                        |                        | 9.845533       |                         |
| 8       | 2     | 12          | 89.1             | 1800                   |                        | 11.98808       |                         |

## Bin5 Statistics 3

CF=5270 MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 3     | 11          | 79.8             | 1702                   | 1187                   | 0.335053       | 1                       |
| 1       | 2     | 9           | 64.8             | 1274                   |                        | 1.453198       |                         |
| 2       | 2     | 10          | 58               | 1351                   |                        | 2.221386       |                         |
| 3       | 3     | 14          | 62.3             | 1760                   | 1526                   | 2.832748       |                         |
| 4       | 2     | 6           | 50.8             | 1260                   |                        | 3.677683       |                         |
| 5       | 2     | 17          | 92.3             | 1578                   |                        | 4.34704        |                         |
| 6       | 3     | 6           | 59.6             | 1935                   | 1310                   | 4.885226       |                         |
| 7       | 1     | 17          | 53.7             |                        |                        | 5.818128       |                         |
| 8       | 2     | 16          | 66.8             | 1384                   |                        | 7.17325        |                         |
| 9       | 1     | 7           | 72.5             |                        |                        | 7.341812       |                         |
| 10      | 1     | 10          | 53               |                        |                        | 8.531712       |                         |
| 11      | 2     | 14          | 90.1             | 1881                   |                        | 9.168173       |                         |
| 12      | 1     | 20          | 90.4             |                        |                        | 9.74232        |                         |
| 13      | 3     | 14          | 91.9             | 1178                   | 1834                   | 10.647293      |                         |
| 14      | 2     | 19          | 91.8             | 1241                   |                        | 11.446035      |                         |

## Bin5 Statistics 4

CF=5280 MHz

| Trial # | Pulse | Chirp (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          | 84.3             |                        |                        | 0.520744       | 1                       |
| 1       | 1     | 14          | 93.2             |                        |                        | 0.821691       |                         |
| 2       | 2     | 6           | 97.8             | 1311                   |                        | 1.942066       |                         |
| 3       | 1     | 16          | 98.7             |                        |                        | 2.248442       |                         |
| 4       | 2     | 14          | 98.2             | 1848                   |                        | 3.012648       |                         |
| 5       | 1     | 14          | 98.9             |                        |                        | 3.970953       |                         |
| 6       | 1     | 16          | 89               |                        |                        | 4.863045       |                         |
| 7       | 1     | 8           | 67.4             |                        |                        | 5.425413       |                         |
| 8       | 2     | 16          | 60.2             | 1177                   |                        | 6.115499       |                         |
| 9       | 2     | 19          | 89.7             | 1982                   |                        | 6.901414       |                         |
| 10      | 3     | 10          | 75.3             | 1192                   | 1269                   | 7.28279        |                         |
| 11      | 1     | 17          | 92.5             |                        |                        | 8.270009       |                         |
| 12      | 2     | 10          | 84.6             | 1845                   |                        | 8.841221       |                         |
| 13      | 1     | 15          | 87.6             |                        |                        | 9.731896       |                         |
| 14      | 1     | 19          | 50.8             |                        |                        | 10.525714      |                         |
| 15      | 3     | 18          | 91.6             | 1468                   | 1795                   | 10.594024      |                         |
| 16      | 1     | 7           | 92.4             |                        |                        | 11.936345      |                         |

## Bin5 Statistics 5

CF=5282 MHz

| Trial # | Pulse | Chirp (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          | 52.4             | 1638                   |                        | 0.044587       | 1                       |
| 1       | 3     | 19          | 70.8             | 1638                   | 1587                   | 0.99237        |                         |
| 2       | 2     | 8           | 74               | 1761                   |                        | 1.674254       |                         |
| 3       | 3     | 7           | 70.2             | 1356                   | 1364                   | 3.127223       |                         |
| 4       | 3     | 5           | 89.6             | 1096                   | 1890                   | 3.429601       |                         |
| 5       | 3     | 17          | 73.5             | 1256                   | 1737                   | 4.57679        |                         |
| 6       | 3     | 10          | 52.7             | 1950                   | 1339                   | 5.450047       |                         |
| 7       | 1     | 7           | 53.8             |                        |                        | 5.798283       |                         |
| 8       | 2     | 7           | 69               | 1949                   |                        | 6.913555       |                         |
| 9       | 3     | 13          | 64.7             | 1292                   | 1162                   | 7.398199       |                         |
| 10      | 2     | 12          | 77.9             | 1683                   |                        | 8.065226       |                         |
| 11      | 2     | 8           | 59               | 1117                   |                        | 9.340581       |                         |
| 12      | 3     | 10          | 53.6             | 1314                   | 1338                   | 9.682165       |                         |
| 13      | 3     | 12          | 70.4             | 1749                   | 1507                   | 10.935415      |                         |
| 14      | 1     | 17          | 67.9             |                        |                        | 11.597341      |                         |

## Bin5 Statistics 6

CF=5278 MHz

| Trial # | Pulse | Chirp (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          | 63.6             | 1455                   | 1904                   | 0.397402       | 1                       |
| 1       | 2     | 10          | 88               | 1787                   |                        | 1.207335       |                         |
| 2       | 1     | 14          | 58.9             |                        |                        | 1.524474       |                         |
| 3       | 3     | 15          | 64.1             | 1349                   | 1580                   | 2.177716       |                         |
| 4       | 3     | 9           | 73.1             | 1435                   | 1485                   | 2.893828       |                         |
| 5       | 3     | 6           | 83.4             | 1928                   | 1631                   | 3.656375       |                         |
| 6       | 1     | 10          | 81.1             |                        |                        | 4.200065       |                         |
| 7       | 2     | 12          | 72               | 1684                   |                        | 4.934299       |                         |
| 8       | 1     | 18          | 82.9             |                        |                        | 5.922232       |                         |
| 9       | 2     | 12          | 84.1             | 1051                   |                        | 6.163749       |                         |
| 10      | 3     | 8           | 73.3             | 1581                   | 1781                   | 7.220131       |                         |
| 11      | 2     | 6           | 99.1             | 1346                   |                        | 7.852756       |                         |
| 12      | 2     | 7           | 78.8             | 1761                   |                        | 8.366509       |                         |
| 13      | 2     | 11          | 72.9             | 1469                   |                        | 8.846258       |                         |
| 14      | 2     | 20          | 68.2             | 1868                   |                        | 9.818746       |                         |
| 15      | 2     | 8           | 59.5             | 1092                   |                        | 10.163908      |                         |
| 16      | 2     | 7           | 67.7             | 1265                   |                        | 10.741921      |                         |
| 17      | 2     | 19          | 64               | 1562                   |                        | 11.695235      |                         |

## Bin5 Statistics 7

CF=5271 MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 9           | 98.1             | 1066                   |                        | 0.279162       | 1                       |
| 1       | 1     | 19          | 88.9             |                        |                        | 0.756319       |                         |
| 2       | 3     | 19          | 50.1             | 1762                   | 1897                   | 1.627464       |                         |
| 3       | 3     | 10          | 82.6             | 1520                   | 1319                   | 2.240376       |                         |
| 4       | 2     | 6           | 95               | 1613                   |                        | 2.756349       |                         |
| 5       | 3     | 6           | 86.6             | 1830                   | 1518                   | 3.561885       |                         |
| 6       | 3     | 20          | 73               | 1370                   | 1111                   | 4.211287       |                         |
| 7       | 1     | 9           | 82.9             |                        |                        | 4.858262       |                         |
| 8       | 1     | 12          | 70.8             |                        |                        | 5.474096       |                         |
| 9       | 3     | 16          | 81.4             | 1968                   | 1711                   | 5.804551       |                         |
| 10      | 2     | 17          | 56.6             | 1641                   |                        | 6.581018       |                         |
| 11      | 2     | 18          | 75.3             | 1897                   |                        | 7.178142       |                         |
| 12      | 2     | 15          | 52.4             | 1807                   |                        | 8.003966       |                         |
| 13      | 3     | 15          | 77.4             | 1233                   | 1528                   | 8.398518       |                         |
| 14      | 2     | 9           | 64.8             | 1655                   |                        | 9.302591       |                         |
| 15      | 1     | 6           | 99.7             |                        |                        | 9.82095        |                         |
| 16      | 2     | 12          | 99.9             | 1311                   |                        | 10.211608      |                         |
| 17      | 2     | 17          | 78.9             | 1914                   |                        | 11.36033       |                         |
| 18      | 2     | 9           | 63.1             | 1189                   |                        | 11.962364      |                         |

## Bin5 Statistics 8

CF=5280 MHz

| Trial # | Pulse | Chirp (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           | 55               | 1536                   |                        | 0.630672       | 1                       |
| 1       | 3     | 11          | 83.9             | 1737                   | 1138                   | 1.011453       |                         |
| 2       | 3     | 16          | 86.2             | 1641                   | 1440                   | 2.517496       |                         |
| 3       | 2     | 20          | 77               | 1571                   |                        | 3.189175       |                         |
| 4       | 2     | 20          | 65.3             | 1775                   |                        | 4.454738       |                         |
| 5       | 2     | 17          | 90.2             | 1609                   |                        | 4.969797       |                         |
| 6       | 3     | 8           | 86.2             | 1789                   | 1331                   | 6.306296       |                         |
| 7       | 1     | 9           | 53               |                        |                        | 7.322422       |                         |
| 8       | 3     | 8           | 71.2             | 1008                   | 1274                   | 8.29238        |                         |
| 9       | 2     | 15          | 59.9             | 1306                   |                        | 9.15791        |                         |
| 10      | 1     | 10          | 87.7             |                        |                        | 9.519645       |                         |
| 11      | 2     | 10          | 64.5             | 1173                   |                        | 10.480031      |                         |
| 12      | 2     | 7           | 96.8             | 1937                   |                        | 11.308278      |                         |

## Bin5 Statistics 9

CF=5274 MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 1     | 6           | 74.5             |                        |                        | 0.480275       | 1                       |
| 1       | 2     | 10          | 81               | 1670                   |                        | 1.185213       |                         |
| 2       | 2     | 10          | 74.9             | 1046                   |                        | 1.462781       |                         |
| 3       | 2     | 7           | 86.5             | 1683                   |                        | 2.557679       |                         |
| 4       | 3     | 7           | 54.3             | 1564                   | 1960                   | 3.111995       |                         |
| 5       | 2     | 15          | 72.7             | 1370                   |                        | 3.755687       |                         |
| 6       | 1     | 17          | 52.1             |                        |                        | 4.361242       |                         |
| 7       | 2     | 16          | 72               | 1226                   |                        | 4.904919       |                         |
| 8       | 2     | 14          | 59.6             | 1924                   |                        | 5.858761       |                         |
| 9       | 2     | 19          | 55.2             | 1474                   |                        | 6.207205       |                         |
| 10      | 2     | 9           | 59.4             | 1443                   |                        | 6.681373       |                         |
| 11      | 1     | 15          | 77.6             |                        |                        | 7.654319       |                         |
| 12      | 1     | 11          | 85.8             |                        |                        | 8.102429       |                         |
| 13      | 1     | 20          | 84.3             |                        |                        | 8.768603       |                         |
| 14      | 2     | 17          | 87.8             | 1758                   |                        | 9.495664       |                         |
| 15      | 2     | 20          | 50.9             | 1079                   |                        | 10.61754       |                         |
| 16      | 1     | 6           | 62.6             |                        |                        | 10.763146      |                         |
| 17      | 1     | 10          | 94.8             |                        |                        | 11.916145      |                         |

## Bin5 Statistics 10

CF=5272 MHz

| Trial # | Pulse | Chirp (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          | 82.7             | 1669                   |                        | 0.750593       | 1                       |
| 1       | 3     | 13          | 98.3             | 1753                   | 1698                   | 1.995421       |                         |
| 2       | 2     | 7           | 62.5             | 1151                   |                        | 3.12452        |                         |
| 3       | 2     | 10          | 57.9             | 1970                   |                        | 3.590008       |                         |
| 4       | 2     | 8           | 82.4             | 1971                   |                        | 5.27877        |                         |
| 5       | 1     | 17          | 56.1             |                        |                        | 6.220692       |                         |
| 6       | 2     | 18          | 71.1             | 1711                   |                        | 6.902271       |                         |
| 7       | 3     | 19          | 59.3             | 1700                   | 1783                   | 7.983803       |                         |
| 8       | 3     | 8           | 85.2             | 1549                   | 1575                   | 9.452403       |                         |
| 9       | 2     | 14          | 93.5             | 1465                   |                        | 10.284268      |                         |
| 10      | 2     | 10          | 90.5             | 1818                   |                        | 11.452291      |                         |



## Bin5 Statistics 11

CF=5271 MHz

| Trial # | Pulse | Chirp (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          | 89.5             |                        |                        | 1.269421       | 1                       |
| 1       | 3     | 11          | 81.8             | 1528                   | 1424                   | 1.398732       |                         |
| 2       | 2     | 15          | 56.1             | 1545                   |                        | 3.061364       |                         |
| 3       | 1     | 7           | 66.5             |                        |                        | 4.311176       |                         |
| 4       | 1     | 18          | 61.9             |                        |                        | 5.838429       |                         |
| 5       | 2     | 20          | 90.6             | 1429                   |                        | 7.960371       |                         |
| 6       | 3     | 7           | 96.7             | 1696                   | 1102                   | 8.008086       |                         |
| 7       | 3     | 19          | 51.6             | 1281                   | 1975                   | 10.615218      |                         |
| 8       | 2     | 11          | 93.8             | 1381                   |                        | 11.235729      |                         |

## Bin5 Statistics 12

CF=5286 MHz

| Trial # | Pulse | Chirp (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          | 93.7             | 1515                   |                        | 0.496785       | 1                       |
| 1       | 1     | 8           | 96.3             |                        |                        | 1.381523       |                         |
| 2       | 2     | 14          | 79.4             | 1913                   |                        | 2.853094       |                         |
| 3       | 3     | 7           | 64.8             | 1974                   | 1609                   | 3.399074       |                         |
| 4       | 3     | 17          | 97.6             | 1050                   | 1557                   | 4.31909        |                         |
| 5       | 3     | 11          | 60.9             | 1718                   | 1822                   | 5.193321       |                         |
| 6       | 1     | 8           | 50.3             |                        |                        | 6.526666       |                         |
| 7       | 1     | 8           | 58.7             |                        |                        | 7.496346       |                         |
| 8       | 3     | 9           | 69               | 1816                   | 1848                   | 8.515314       |                         |
| 9       | 3     | 16          | 51.1             | 1398                   | 1284                   | 9.505052       |                         |
| 10      | 1     | 6           | 92.6             |                        |                        | 10.83019       |                         |
| 11      | 1     | 5           | 81               |                        |                        | 11.567107      |                         |

## Bin5 Statistics 13

CF=5281 MHz

| Trial # | Pulse | Chirp (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          | 80.4             | 1286                   |                        | 0.420541       | 1                       |
| 1       | 2     | 17          | 64.1             | 1807                   |                        | 1.8291         |                         |
| 2       | 2     | 10          | 62.4             | 1881                   |                        | 2.453991       |                         |
| 3       | 1     | 16          | 50.2             |                        |                        | 3.304551       |                         |
| 4       | 2     | 18          | 81.1             | 1311                   |                        | 4.219834       |                         |
| 5       | 1     | 15          | 94.9             |                        |                        | 5.485374       |                         |
| 6       | 3     | 11          | 79.7             | 1152                   | 1973                   | 6.471462       |                         |
| 7       | 2     | 10          | 79.8             | 1563                   |                        | 7.077665       |                         |
| 8       | 1     | 11          | 79.1             |                        |                        | 8.431083       |                         |
| 9       | 2     | 19          | 59.5             | 1083                   |                        | 9.444832       |                         |
| 10      | 3     | 10          | 72.9             | 1567                   | 1961                   | 10.577184      |                         |
| 11      | 2     | 13          | 76.3             | 1324                   |                        | 11.658883      |                         |

## Bin5 Statistics 14

CF=5275 MHz

| Trial # | Pulse | Chirp (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           | 79.1             | 1637                   | 1557                   | 0.570262       | 1                       |
| 1       | 1     | 10          | 84.3             |                        |                        | 0.70258        |                         |
| 2       | 3     | 11          | 77.4             | 1552                   | 1611                   | 1.611892       |                         |
| 3       | 1     | 11          | 86.2             |                        |                        | 2.157718       |                         |
| 4       | 1     | 12          | 85.9             |                        |                        | 3.272842       |                         |
| 5       | 3     | 16          | 58.7             | 1055                   | 1263                   | 3.543105       |                         |
| 6       | 1     | 9           | 67.5             |                        |                        | 4.483516       |                         |
| 7       | 1     | 13          | 63.4             |                        |                        | 4.853597       |                         |
| 8       | 2     | 12          | 78.5             | 1473                   |                        | 5.61502        |                         |
| 9       | 2     | 13          | 97.2             | 1117                   |                        | 6.337972       |                         |
| 10      | 2     | 14          | 68.7             | 1642                   |                        | 6.983072       |                         |
| 11      | 2     | 7           | 62.3             | 1082                   |                        | 7.920623       |                         |
| 12      | 2     | 19          | 72.8             | 1934                   |                        | 8.47344        |                         |
| 13      | 3     | 11          | 50.3             | 1731                   | 1179                   | 9.0058         |                         |
| 14      | 1     | 10          | 55.7             |                        |                        | 9.399955       |                         |
| 15      | 2     | 15          | 57.8             | 1703                   |                        | 10.240375      |                         |
| 16      | 1     | 20          | 87.2             |                        |                        | 10.839916      |                         |
| 17      | 3     | 17          | 97.1             | 1779                   | 1553                   | 11.385842      |                         |

## Bin5 Statistics 15

CF=5283 MHz

| Trial # | Pulse | Chirp (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          | 67.9             | 1316                   |                        | 0.310615       | 1                       |
| 1       | 3     | 18          | 54.6             | 1541                   | 1959                   | 1.235878       |                         |
| 2       | 3     | 9           | 96.4             | 1072                   | 1657                   | 2.076896       |                         |
| 3       | 1     | 9           | 99.6             |                        |                        | 3.584241       |                         |
| 4       | 2     | 18          | 72.3             | 1019                   |                        | 4.791557       |                         |
| 5       | 2     | 10          | 83.9             | 1753                   |                        | 5.80862        |                         |
| 6       | 2     | 15          | 98.8             | 1393                   |                        | 6.599833       |                         |
| 7       | 1     | 14          | 99               |                        |                        | 7.4205         |                         |
| 8       | 3     | 20          | 73.9             | 1807                   | 1178                   | 8.585442       |                         |
| 9       | 2     | 14          | 95.4             | 1282                   |                        | 9.432962       |                         |
| 10      | 2     | 6           | 81.3             | 1883                   |                        | 10.553059      |                         |
| 11      | 2     | 6           | 80.3             | 1942                   |                        | 11.668264      |                         |

## Bin5 Statistics 16

CF=5271 MHz

| Trial # | Pulse | Chirp (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          | 77.2             | 1259                   |                        | 0.244705       | 1                       |
| 1       | 1     | 6           | 90.7             |                        |                        | 0.715988       |                         |
| 2       | 2     | 11          | 83               | 1741                   |                        | 1.478304       |                         |
| 3       | 3     | 19          | 55.3             | 1178                   | 1932                   | 2.065904       |                         |
| 4       | 1     | 15          | 56.7             |                        |                        | 3.19225        |                         |
| 5       | 3     | 9           | 95.1             | 1496                   | 1725                   | 3.569548       |                         |
| 6       | 2     | 13          | 94.8             | 1023                   |                        | 4.521012       |                         |
| 7       | 1     | 10          | 85.8             |                        |                        | 5.144555       |                         |
| 8       | 2     | 18          | 59.1             | 1340                   |                        | 5.73885        |                         |
| 9       | 3     | 17          | 84.6             | 1483                   | 1840                   | 6.572695       |                         |
| 10      | 1     | 9           | 69.9             |                        |                        | 7.173747       |                         |
| 11      | 2     | 7           | 90               | 1075                   |                        | 7.465036       |                         |
| 12      | 2     | 12          | 67.3             | 1716                   |                        | 8.305476       |                         |
| 13      | 2     | 8           | 89.7             | 1560                   |                        | 9.103127       |                         |
| 14      | 3     | 14          | 95               | 1456                   | 1057                   | 9.478212       |                         |
| 15      | 2     | 18          | 70.2             | 1846                   |                        | 10.613305      |                         |
| 16      | 2     | 13          | 61.2             | 1470                   |                        | 11.093079      |                         |
| 17      | 2     | 15          | 63.5             | 1220                   |                        | 11.764893      |                         |

## Bin5 Statistics 17

CF=5271 MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 17          | 88.7             | 1994                   |                        | 0.813536       | 1                       |
| 1       | 3     | 18          | 54.8             | 1890                   | 1287                   | 1.382593       |                         |
| 2       | 3     | 8           | 99.8             | 1790                   | 1531                   | 2.517209       |                         |
| 3       | 3     | 11          | 87.7             | 1273                   | 1851                   | 3.374719       |                         |
| 4       | 1     | 16          | 75.6             |                        |                        | 4.607734       |                         |
| 5       | 2     | 13          | 90.3             | 1636                   |                        | 4.820368       |                         |
| 6       | 1     | 5           | 77.6             |                        |                        | 5.752446       |                         |
| 7       | 2     | 10          | 95.5             | 1978                   |                        | 6.561472       |                         |
| 8       | 2     | 15          | 70.8             | 1418                   |                        | 7.81811        |                         |
| 9       | 1     | 12          | 74.3             |                        |                        | 8.533171       |                         |
| 10      | 1     | 12          | 53               |                        |                        | 9.984144       |                         |
| 11      | 1     | 16          | 78.5             |                        |                        | 10.223821      |                         |
| 12      | 2     | 17          | 57.5             | 1756                   |                        | 11.405397      |                         |

## Bin5 Statistics 18

CF=5278 MHz

| Trial # | Pulse | Chirp (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           | 56.7             | 1642                   |                        | 0.252881       | 1                       |
| 1       | 1     | 15          | 54.2             |                        |                        | 1.447254       |                         |
| 2       | 2     | 7           | 81.6             | 1708                   |                        | 1.900334       |                         |
| 3       | 3     | 18          | 99.6             | 1151                   | 1168                   | 2.735434       |                         |
| 4       | 3     | 11          | 55.5             | 1665                   | 1145                   | 3.383909       |                         |
| 5       | 2     | 16          | 88.1             | 1367                   |                        | 4.016026       |                         |
| 6       | 1     | 14          | 64               |                        |                        | 5.138551       |                         |
| 7       | 2     | 20          | 51.7             | 1408                   |                        | 5.934063       |                         |
| 8       | 1     | 7           | 67.7             |                        |                        | 6.340859       |                         |
| 9       | 3     | 13          | 57.2             | 1179                   | 1081                   | 6.884302       |                         |
| 10      | 3     | 13          | 88.4             | 1362                   | 1678                   | 8.064971       |                         |
| 11      | 1     | 14          | 69.2             |                        |                        | 8.767529       |                         |
| 12      | 1     | 11          | 94.8             |                        |                        | 9.188669       |                         |
| 13      | 2     | 10          | 72.3             | 1178                   |                        | 10.261607      |                         |
| 14      | 3     | 11          | 57.6             | 1108                   | 1767                   | 10.505489      |                         |
| 15      | 2     | 19          | 85.7             | 1291                   |                        | 11.284605      |                         |

## Bin5 Statistics 19

CF=5286 MHz

| Trial # | Pulse | Chirp (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          | 58.7             | 1093                   |                        | 1.083654       | 1                       |
| 1       | 2     | 12          | 74.1             | 1841                   |                        | 1.422231       |                         |
| 2       | 2     | 19          | 87.5             | 1732                   |                        | 2.946532       |                         |
| 3       | 2     | 19          | 87.5             | 1960                   |                        | 4.097938       |                         |
| 4       | 2     | 13          | 83.8             | 1947                   |                        | 4.981427       |                         |
| 5       | 3     | 20          | 85.6             | 1887                   | 1713                   | 5.486429       |                         |
| 6       | 3     | 19          | 72.2             | 1639                   | 1849                   | 7.243378       |                         |
| 7       | 1     | 15          | 86.7             |                        |                        | 8.187137       |                         |
| 8       | 1     | 15          | 60.8             |                        |                        | 9.398518       |                         |
| 9       | 1     | 13          | 79.2             |                        |                        | 10.105879      |                         |
| 10      | 2     | 17          | 76.8             | 1669                   |                        | 11.317035      |                         |

## Bin5 Statistics 20

CF=5277 MHz

| Trial # | Pulse | Chirp (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          | 69.5             | 1341                   |                        | 0.622398       | 1                       |
| 1       | 3     | 14          | 65.9             | 1703                   | 1539                   | 0.94525        |                         |
| 2       | 2     | 7           | 76               | 1593                   |                        | 1.772294       |                         |
| 3       | 3     | 11          | 82.4             | 1212                   | 1671                   | 2.707932       |                         |
| 4       | 2     | 10          | 81.9             | 1811                   |                        | 3.222519       |                         |
| 5       | 2     | 10          | 94.6             | 1938                   |                        | 4.124975       |                         |
| 6       | 1     | 11          | 50.3             |                        |                        | 4.468056       |                         |
| 7       | 2     | 11          | 56.7             | 1164                   |                        | 5.25086        |                         |
| 8       | 3     | 14          | 54.3             | 1495                   | 1408                   | 5.950673       |                         |
| 9       | 2     | 17          | 93.2             | 1558                   |                        | 6.436842       |                         |
| 10      | 1     | 9           | 85.1             |                        |                        | 7.405732       |                         |
| 11      | 3     | 16          | 69.7             | 1595                   | 1078                   | 8.294865       |                         |
| 12      | 2     | 12          | 74.9             | 1520                   |                        | 8.777615       |                         |
| 13      | 2     | 13          | 94.4             | 1312                   |                        | 9.316836       |                         |
| 14      | 1     | 16          | 79.3             |                        |                        | 10.544014      |                         |
| 15      | 1     | 13          | 62.7             |                        |                        | 10.964571      |                         |
| 16      | 3     | 9           | 88.6             | 1754                   | 1395                   | 11.48775       |                         |

## Bin5 Statistics 21

CF=5277 MHz

| Trial # | Pulse | Chirp (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             |                        |                        | 0.151583       | 1                       |
| 1       | 3     | 17          | 57.1             | 1247                   | 1475                   | 0.913094       |                         |
| 2       | 2     | 10          | 75.4             | 1231                   |                        | 1.821442       |                         |
| 3       | 1     | 18          | 67.9             |                        |                        | 2.630996       |                         |
| 4       | 2     | 15          | 77.9             | 1636                   |                        | 3.865306       |                         |
| 5       | 2     | 14          | 71.4             | 1517                   |                        | 4.318989       |                         |
| 6       | 2     | 15          | 50.7             | 1132                   |                        | 5.535929       |                         |
| 7       | 2     | 14          | 97.3             | 1804                   |                        | 6.249723       |                         |
| 8       | 3     | 8           | 61.2             | 1300                   | 1744                   | 6.600756       |                         |
| 9       | 1     | 10          | 79.2             |                        |                        | 7.829394       |                         |
| 10      | 2     | 13          | 64.7             | 1901                   |                        | 8.227812       |                         |
| 11      | 2     | 13          | 90.9             | 1333                   |                        | 9.216401       |                         |
| 12      | 2     | 7           | 80.6             | 1103                   |                        | 10.152915      |                         |
| 13      | 2     | 7           | 57.5             | 1244                   |                        | 10.498804      |                         |
| 14      | 3     | 5           | 53.3             | 1708                   | 1337                   | 11.212662      |                         |

## Bin5 Statistics 22

CF=5272 MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 1     | 13          | 84.2             |                        |                        | 0.345934       | 1                       |
| 1       | 2     | 14          | 51.5             | 1429                   |                        | 1.150002       |                         |
| 2       | 2     | 13          | 71.2             | 1367                   |                        | 1.622329       |                         |
| 3       | 3     | 9           | 78.4             | 1060                   | 1442                   | 2.014667       |                         |
| 4       | 1     | 14          | 63.6             |                        |                        | 3.060092       |                         |
| 5       | 2     | 7           | 74.9             | 1895                   |                        | 3.720367       |                         |
| 6       | 1     | 11          | 76.9             |                        |                        | 4.335455       |                         |
| 7       | 3     | 7           | 52.9             | 1948                   | 1034                   | 5.218948       |                         |
| 8       | 2     | 10          | 77               | 1468                   |                        | 5.642752       |                         |
| 9       | 2     | 10          | 72.2             | 1237                   |                        | 6.072141       |                         |
| 10      | 2     | 17          | 85               | 1092                   |                        | 6.6806         |                         |
| 11      | 2     | 20          | 95               | 1882                   |                        | 7.656757       |                         |
| 12      | 2     | 17          | 82.6             | 1624                   |                        | 8.243365       |                         |
| 13      | 3     | 12          | 96.8             | 1393                   | 1516                   | 8.829974       |                         |
| 14      | 1     | 6           | 86.3             |                        |                        | 9.553506       |                         |
| 15      | 2     | 8           | 51.7             | 1728                   |                        | 10.008928      |                         |
| 16      | 2     | 19          | 64.1             | 1145                   |                        | 11.078931      |                         |
| 17      | 3     | 13          | 93.3             | 1896                   | 1026                   | 11.609808      |                         |

## Bin5 Statistics 23

CF=5279 MHz

| Trial # | Pulse | Chirp (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          | 90.7             | 1656                   |                        | 0.012495       | 1                       |
| 1       | 2     | 12          | 72.3             | 1694                   |                        | 0.868389       |                         |
| 2       | 1     | 6           | 87.6             |                        |                        | 1.698368       |                         |
| 3       | 3     | 7           | 92               | 1377                   | 1497                   | 2.01274        |                         |
| 4       | 3     | 9           | 92.6             | 1107                   | 1937                   | 2.98093        |                         |
| 5       | 2     | 8           | 78.7             | 1437                   |                        | 3.747658       |                         |
| 6       | 1     | 17          | 52               |                        |                        | 3.983389       |                         |
| 7       | 1     | 20          | 54.6             |                        |                        | 4.572573       |                         |
| 8       | 2     | 19          | 61.2             | 1254                   |                        | 5.481909       |                         |
| 9       | 3     | 11          | 60.7             | 1225                   | 1938                   | 5.798277       |                         |
| 10      | 2     | 8           | 79.4             | 1707                   |                        | 6.537394       |                         |
| 11      | 2     | 18          | 87.4             | 1299                   |                        | 7.384484       |                         |
| 12      | 2     | 10          | 82.7             | 1084                   |                        | 8.15994        |                         |
| 13      | 2     | 9           | 78.9             | 1623                   |                        | 8.833903       |                         |
| 14      | 3     | 14          | 82.7             | 1239                   | 1719                   | 9.309305       |                         |
| 15      | 1     | 19          | 64.6             |                        |                        | 9.905497       |                         |
| 16      | 1     | 18          | 63.3             |                        |                        | 10.119432      |                         |
| 17      | 2     | 14          | 59.8             | 1389                   |                        | 10.917861      |                         |
| 18      | 2     | 9           | 76.9             | 1126                   |                        | 11.572079      |                         |



## Bin5 Statistics 24

CF=5270 MHz

| Trial # | Pulse | Chirp (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          | 94.9             |                        |                        | 0.231433       | 1                       |
| 1       | 2     | 14          | 83.2             | 1235                   |                        | 0.686299       |                         |
| 2       | 3     | 8           | 58.6             | 1504                   | 1045                   | 1.665462       |                         |
| 3       | 2     | 18          | 86.4             | 1167                   |                        | 2.518769       |                         |
| 4       | 1     | 18          | 73.2             |                        |                        | 3.151394       |                         |
| 5       | 2     | 19          | 77.9             | 1456                   |                        | 3.810481       |                         |
| 6       | 1     | 11          | 52.5             |                        |                        | 4.527932       |                         |
| 7       | 3     | 11          | 70.8             | 1393                   | 1303                   | 5.034182       |                         |
| 8       | 3     | 10          | 74.8             | 1826                   | 1995                   | 5.738511       |                         |
| 9       | 3     | 7           | 66.7             | 1227                   | 1214                   | 6.03718        |                         |
| 10      | 1     | 12          | 78               |                        |                        | 6.880532       |                         |
| 11      | 2     | 9           | 69.8             | 1104                   |                        | 7.627644       |                         |
| 12      | 2     | 12          | 68.5             | 1630                   |                        | 8.106049       |                         |
| 13      | 2     | 18          | 95.6             | 1792                   |                        | 8.948466       |                         |
| 14      | 3     | 14          | 75.2             | 1366                   | 1237                   | 9.427147       |                         |
| 15      | 3     | 20          | 73.6             | 1232                   | 1706                   | 10.465092      |                         |
| 16      | 2     | 16          | 86.3             | 1724                   |                        | 10.714762      |                         |
| 17      | 2     | 8           | 90.6             | 1346                   |                        | 11.381869      |                         |

## Bin5 Statistics 25

CF=5281 MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 3     | 6           | 71.5             | 1460                   | 1287                   | 0.481009       | 1                       |
| 1       | 3     | 7           | 91.4             | 1725                   | 1113                   | 0.68673        |                         |
| 2       | 2     | 10          | 78.7             | 1143                   |                        | 1.794815       |                         |
| 3       | 2     | 5           | 84.7             | 1868                   |                        | 2.500786       |                         |
| 4       | 3     | 15          | 83.3             | 1477                   | 1748                   | 3.100363       |                         |
| 5       | 1     | 10          | 79               |                        |                        | 3.397931       |                         |
| 6       | 1     | 19          | 81.9             |                        |                        | 4.51166        |                         |
| 7       | 2     | 10          | 86.7             | 1073                   |                        | 5.126537       |                         |
| 8       | 3     | 18          | 84.2             | 1816                   | 1324                   | 5.499917       |                         |
| 9       | 2     | 18          | 95.4             | 1547                   |                        | 6.332248       |                         |
| 10      | 2     | 12          | 69.7             | 1556                   |                        | 7.167823       |                         |
| 11      | 3     | 5           | 81.9             | 1139                   | 1976                   | 7.770453       |                         |
| 12      | 1     | 18          | 67.1             |                        |                        | 8.044115       |                         |
| 13      | 2     | 13          | 74.8             | 1090                   |                        | 8.89728        |                         |
| 14      | 2     | 14          | 89.9             | 1683                   |                        | 9.449575       |                         |
| 15      | 2     | 13          | 78.4             | 1448                   |                        | 10.076081      |                         |
| 16      | 2     | 11          | 72.3             | 1838                   |                        | 11.188393      |                         |
| 17      | 3     | 14          | 95.5             | 1680                   | 1394                   | 11.418142      |                         |

## Bin5 Statistics 26

CF=5282 MHz

| Trial # | Pulse | Chirp (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          | 57.7             | 1456                   | 1869                   | 0.169473       | 1                       |
| 1       | 2     | 12          | 89.9             | 1694                   |                        | 2.414207       |                         |
| 2       | 3     | 5           | 54.1             | 1777                   | 1270                   | 4.330942       |                         |
| 3       | 2     | 10          | 57.6             | 1995                   |                        | 5.925412       |                         |
| 4       | 3     | 7           | 97.8             | 1118                   | 1322                   | 6.411761       |                         |
| 5       | 2     | 8           | 56.9             | 1597                   |                        | 8.792901       |                         |
| 6       | 2     | 12          | 85.7             | 1523                   |                        | 9.949443       |                         |
| 7       | 3     | 7           | 78.6             | 1925                   | 1181                   | 11.721803      |                         |

## Bin5 Statistics 27

CF=5282 MHz

| Trial # | Pulse | Chirp (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          | 85.2             | 1479                   | 1476                   | 0.585871       | 1                       |
| 1       | 2     | 14          | 75.3             | 1918                   |                        | 1.167442       |                         |
| 2       | 1     | 19          | 52.8             |                        |                        | 1.616855       |                         |
| 3       | 2     | 7           | 60.9             | 1087                   |                        | 2.412761       |                         |
| 4       | 3     | 18          | 91.2             | 1587                   | 1480                   | 3.409018       |                         |
| 5       | 2     | 10          | 76.3             | 1577                   |                        | 4.255233       |                         |
| 6       | 1     | 6           | 50.5             |                        |                        | 4.958713       |                         |
| 7       | 3     | 12          | 95.8             | 1386                   | 1679                   | 5.303512       |                         |
| 8       | 2     | 14          | 96.7             | 1240                   |                        | 6.341437       |                         |
| 9       | 2     | 20          | 66.4             | 1489                   |                        | 7.309832       |                         |
| 10      | 2     | 7           | 53.7             | 1017                   |                        | 8.229781       |                         |
| 11      | 2     | 10          | 57.7             | 1363                   |                        | 8.401527       |                         |
| 12      | 2     | 7           | 53.9             | 1061                   |                        | 9.298748       |                         |
| 13      | 2     | 7           | 50.2             | 1570                   |                        | 10.311048      |                         |
| 14      | 2     | 8           | 67.9             | 1802                   |                        | 10.987649      |                         |
| 15      | 1     | 13          | 76.3             |                        |                        | 11.758216      |                         |

## Bin5 Statistics 28

CF=5286 MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 1     | 13          | 57.8             |                        |                        | 0.519913       | 1                       |
| 1       | 1     | 8           | 83.4             |                        |                        | 0.897991       |                         |
| 2       | 1     | 12          | 81.8             |                        |                        | 1.579165       |                         |
| 3       | 1     | 19          | 62.6             |                        |                        | 2.198439       |                         |
| 4       | 3     | 16          | 76.5             | 1425                   | 1395                   | 2.905553       |                         |
| 5       | 3     | 11          | 83.5             | 1379                   | 1563                   | 3.112155       |                         |
| 6       | 3     | 11          | 87.3             | 1412                   | 1202                   | 4.147626       |                         |
| 7       | 1     | 14          | 78               |                        |                        | 4.227149       |                         |
| 8       | 2     | 10          | 78.3             | 1568                   |                        | 5.205171       |                         |
| 9       | 3     | 17          | 64.4             | 1625                   | 1471                   | 5.64593        |                         |
| 10      | 3     | 13          | 55.6             | 1607                   | 1343                   | 6.321837       |                         |
| 11      | 2     | 9           | 96.6             | 1497                   |                        | 7.040492       |                         |
| 12      | 2     | 10          | 55.6             | 1210                   |                        | 7.496055       |                         |
| 13      | 1     | 5           | 93               |                        |                        | 8.262455       |                         |
| 14      | 3     | 17          | 69.1             | 1362                   | 1365                   | 8.8689         |                         |
| 15      | 3     | 7           | 83.5             | 1970                   | 1973                   | 9.225621       |                         |
| 16      | 3     | 20          | 95.4             | 1067                   | 1267                   | 9.743752       |                         |
| 17      | 2     | 15          | 77.1             | 1773                   |                        | 10.232705      |                         |
| 18      | 3     | 7           | 76.8             | 1599                   | 1290                   | 10.88326       |                         |
| 19      | 2     | 19          | 90.9             | 1286                   |                        | 11.904906      |                         |

## Bin5 Statistics 29

CF=5272 MHz

| Trial # | Pulse | Chirp (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          | 77.3             | 1668                   |                        | 0.8365         | 1                       |
| 1       | 2     | 7           | 89.2             | 1499                   |                        | 1.402609       |                         |
| 2       | 3     | 20          | 68.3             | 1250                   | 1251                   | 2.177669       |                         |
| 3       | 3     | 14          | 80.9             | 1157                   | 1201                   | 3.320931       |                         |
| 4       | 2     | 16          | 97.6             | 1516                   |                        | 3.571729       |                         |
| 5       | 2     | 10          | 81.4             | 1956                   |                        | 4.93932        |                         |
| 6       | 2     | 10          | 51.4             | 1724                   |                        | 5.466135       |                         |
| 7       | 1     | 13          | 61.3             |                        |                        | 6.62639        |                         |
| 8       | 3     | 19          | 95.5             | 1565                   | 1513                   | 7.004357       |                         |
| 9       | 2     | 9           | 63.2             | 1036                   |                        | 7.89267        |                         |
| 10      | 1     | 15          | 88.6             |                        |                        | 9.417732       |                         |
| 11      | 1     | 12          | 80.7             |                        |                        | 9.821989       |                         |
| 12      | 3     | 8           | 82.2             | 1534                   | 1099                   | 10.640782      |                         |
| 13      | 2     | 8           | 57.8             | 1625                   |                        | 11.657547      |                         |

## Bin5 Statistics 30

CF=5283 MHz

| Trial # | Pulse | Chirp (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          | 81.3             |                        |                        | 0.145126       | 1                       |
| 1       | 1     | 16          | 88.2             |                        |                        | 1.175841       |                         |
| 2       | 1     | 19          | 56.2             |                        |                        | 1.506176       |                         |
| 3       | 1     | 11          | 67.2             |                        |                        | 2.223533       |                         |
| 4       | 2     | 7           | 59.7             | 1714                   |                        | 3.106263       |                         |
| 5       | 1     | 20          | 74               |                        |                        | 3.734687       |                         |
| 6       | 2     | 10          | 93.1             | 1047                   |                        | 4.224988       |                         |
| 7       | 2     | 19          | 52.8             | 1963                   |                        | 4.90923        |                         |
| 8       | 2     | 18          | 71.8             | 1973                   |                        | 5.198891       |                         |
| 9       | 3     | 14          | 80.4             | 1583                   | 1421                   | 5.830156       |                         |
| 10      | 1     | 11          | 61.3             |                        |                        | 6.923164       |                         |
| 11      | 1     | 17          | 73               |                        |                        | 7.238436       |                         |
| 12      | 2     | 18          | 59.2             | 1910                   |                        | 7.758612       |                         |
| 13      | 3     | 11          | 63.4             | 1019                   | 1677                   | 8.418582       |                         |
| 14      | 3     | 20          | 78.6             | 1618                   | 1637                   | 9.294197       |                         |
| 15      | 1     | 19          | 89.7             |                        |                        | 9.711238       |                         |
| 16      | 1     | 19          | 74.3             |                        |                        | 10.456846      |                         |
| 17      | 2     | 19          | 77.9             | 1865                   |                        | 10.772101      |                         |
| 18      | 1     | 18          | 77.3             |                        |                        | 11.58282       |                         |

**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              | 5280            | 9                   | 1                       | 333             | 1                              | 5253.0, 5485.0, 5295.0, 5310.0, 5680.0, 5577.0, 5524.0, 5636.0, 5719.0, 5586.0, 5315.0, 5495.0, 5400.0, 5531.0, 5570.0, 5560.0, 5469.0, 5298.0, 5478.0, 5433.0, 5580.0, 5585.0, 5589.0, 5621.0, 5633.0, 5514.0, 5317.0, 5659.0, 5691.0, 5498.0, 5459.0, 5553.0, 5618.0, 5617.0, 5628.0, 5686.0, 5608.0, 5525.0, 5515.0, 5339.0, 5409.0, 5257.0, 5557.0, 5364.0, 5639.0, 5304.0, 5428.0, 5571.0, 5293.0, 5675.0, 5427.0, 5668.0, 5285.0, 5587.0, 5614.0, 5696.0, 5420.0, 5390.0, 5281.0, 5444.0, 5565.0, 5468.0, 5399.0, 5641.0, 5313.0, 5290.0, 5615.0, 5406.0, 5269.0, 5682.0, 5430.0, 5386.0, 5536.0, 5466.0, 5419.0, 5272.0, 5588.0, 5458.0, 5471.0, 5411.0, 5610.0, 5533.0, 5677.0, 5292.0, 5443.0, 5379.0, 5647.0, 5692.0, 5452.0, 5473.0, 5542.0, 5480.0, 5407.0, 5302.0, 5382.0, 5622.0, 5265.0, 5441.0, 5455.0, 5434.0<br>(number of hits: 3 ) |
| 2              | 5280            | 9                   | 1                       | 333             | 1                              | 5365.0, 5458.0, 5415.0, 5561.0, 5277.0, 5691.0, 5499.0, 5708.0, 5361.0, 5385.0, 5431.0, 5299.0, 5717.0, 5360.0, 5444.0, 5320.0, 5645.0, 5318.0, 5494.0, 5674.0, 5300.0, 5319.0, 5538.0, 5573.0, 5540.0, 5531.0, 5408.0, 5328.0, 5570.0, 5516.0, 5350.0, 5654.0, 5656.0, 5584.0, 5637.0, 5493.0, 5468.0, 5664.0, 5595.0, 5424.0, 5719.0, 5375.0, 5357.0, 5582.0, 5505.0, 5707.0, 5380.0, 5665.0, 5383.0, 5252.0, 5455.0, 5267.0, 5579.0, 5259.0, 5265.0, 5686.0, 5510.0, 5367.0, 5421.0, 5688.0, 5679.0, 5470.0, 5308.0, 5403.0, 5619.0, 5442.0, 5539.0, 5340.0, 5667.0, 5273.0, 5500.0, 5594.0, 5306.0, 5251.0, 5562.0, 5523.0, 5384.0, 5464.0, 5313.0, 5321.0, 5572.0, 5512.0, 5311.0, 5467.0, 5372.0, 5399.0, 5678.0, 5339.0, 5687.0, 5402.0, 5451.0, 5355.0, 5268.0, 5274.0, 5485.0, 5661.0, 5396.0, 5704.0, 5574.0, 5286.0<br>(number of hits: 4 ) |
| 3              | 5280            | 9                   | 1                       | 333             | 1                              | 5302.0, 5273.0, 5308.0, 5295.0, 5559.0, 5342.0, 5294.0, 5367.0, 5649.0, 5265.0, 5418.0, 5577.0, 5524.0, 5481.0, 5255.0, 5651.0, 5566.0, 5582.0, 5602.0, 5348.0, 5676.0, 5537.0, 5686.0, 5462.0, 5564.0, 5298.0, 5394.0, 5263.0, 5420.0, 5405.0, 5492.0, 5648.0, 5659.0, 5327.0, 5545.0, 5362.0, 5593.0, 5414.0, 5340.0, 5595.0, 5355.0, 5452.0, 5264.0, 5536.0, 5661.0, 5489.0, 5601.0, 5700.0, 5703.0, 5658.0, 5585.0, 5543.0, 5397.0, 5588.0, 5645.0, 5360.0, 5708.0, 5683.0, 5461.0, 5612.0, 5508.0, 5556.0, 5474.0, 5599.0, 5678.0,                                                                                                                                                                                                                                                                                                                |

|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 5364.0, 5570.0, 5459.0, 5301.0, 5516.0, 5334.0, 5622.0, 5456.0, 5624.0, 5640.0, 5597.0, 5668.0, 5262.0, 5670.0, 5608.0, 5538.0, 5410.0, 5468.0, 5561.0, 5669.0, 5438.0, 5390.0, 5535.0, 5282.0, 5605.0, 5515.0, 5621.0, 5638.0, 5665.0, 5523.0, 5386.0, 5425.0, 5349.0, 5430.0, 5715.0<br>(number of hits: 2 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4 | 5280 | 9 | 1 | 333 | 1 | 5351.0, 5511.0, 5290.0, 5671.0, 5295.0, 5532.0, 5460.0, 5705.0, 5495.0, 5702.0, 5715.0, 5526.0, 5468.0, 5260.0, 5723.0, 5481.0, 5498.0, 5292.0, 5390.0, 5402.0, 5453.0, 5698.0, 5603.0, 5307.0, 5484.0, 5687.0, 5682.0, 5546.0, 5279.0, 5555.0, 5504.0, 5346.0, 5349.0, 5401.0, 5320.0, 5336.0, 5339.0, 5624.0, 5554.0, 5700.0, 5384.0, 5650.0, 5323.0, 5634.0, 5713.0, 5608.0, 5335.0, 5410.0, 5338.0, 5572.0, 5440.0, 5435.0, 5472.0, 5569.0, 5703.0, 5454.0, 5721.0, 5485.0, 5631.0, 5254.0, 5340.0, 5513.0, 5491.0, 5407.0, 5274.0, 5619.0, 5581.0, 5291.0, 5651.0, 5666.0, 5374.0, 5544.0, 5543.0, 5451.0, 5379.0, 5360.0, 5366.0, 5501.0, 5640.0, 5689.0, 5638.0, 5389.0, 5521.0, 5353.0, 5516.0, 5662.0, 5649.0, 5464.0, 5371.0, 5297.0, 5308.0, 5707.0, 5434.0, 5585.0, 5622.0, 5409.0, 5688.0, 5621.0, 5668.0, 5257.0<br>(number of hits: 2 ) |
| 5 | 5280 | 9 | 1 | 333 | 1 | 5615.0, 5665.0, 5518.0, 5296.0, 5525.0, 5468.0, 5546.0, 5308.0, 5599.0, 5574.0, 5661.0, 5627.0, 5410.0, 5252.0, 5503.0, 5392.0, 5593.0, 5703.0, 5368.0, 5578.0, 5469.0, 5374.0, 5684.0, 5710.0, 5697.0, 5371.0, 5267.0, 5643.0, 5313.0, 5321.0, 5666.0, 5465.0, 5580.0, 5276.0, 5439.0, 5715.0, 5711.0, 5680.0, 5420.0, 5660.0, 5269.0, 5490.0, 5573.0, 5379.0, 5286.0, 5364.0, 5327.0, 5334.0, 5558.0, 5463.0, 5387.0, 5551.0, 5658.0, 5501.0, 5280.0, 5372.0, 5422.0, 5405.0, 5521.0, 5640.0, 5304.0, 5516.0, 5485.0, 5498.0, 5540.0, 5512.0, 5584.0, 5587.0, 5320.0, 5466.0, 5591.0, 5481.0, 5402.0, 5548.0, 5311.0, 5431.0, 5474.0, 5271.0, 5505.0, 5426.0, 5702.0, 5375.0, 5654.0, 5367.0, 5335.0, 5549.0, 5437.0, 5349.0, 5604.0, 5351.0, 5432.0, 5633.0, 5362.0, 5560.0, 5307.0, 5418.0, 5482.0, 5606.0, 5585.0, 5393.0<br>(number of hits: 4 ) |
| 6 | 5280 | 9 | 1 | 333 | 1 | 5694.0, 5268.0, 5515.0, 5684.0, 5669.0, 5520.0, 5490.0, 5400.0, 5586.0, 5258.0, 5583.0, 5348.0, 5404.0, 5452.0, 5259.0, 5682.0, 5291.0, 5453.0, 5601.0, 5714.0, 5389.0, 5451.0, 5385.0, 5517.0, 5495.0, 5333.0, 5427.0, 5623.0, 5441.0, 5276.0, 5705.0, 5420.0, 5283.0, 5477.0, 5428.0, 5634.0, 5640.0, 5337.0, 5542.0, 5412.0, 5701.0, 5491.0, 5396.0, 5608.0, 5664.0, 5264.0, 5673.0, 5299.0, 5474.0, 5523.0                                                                                                                                                                                                                                                                                                                                                                                                                                         |



|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 5588.0, 5620.0, 5500.0, 5585.0, 5359.0, 5655.0, 5675.0, 5717.0, 5715.0, 5318.0, 5480.0, 5399.0, 5448.0, 5653.0, 5690.0, 5530.0, 5273.0, 5410.0, 5277.0, 5407.0, 5722.0, 5429.0, 5481.0, 5603.0, 5340.0, 5373.0, 5384.0, 5709.0, 5518.0, 5630.0, 5563.0, 5343.0, 5360.0, 5436.0, 5361.0, 5484.0, 5275.0, 5308.0, 5686.0, 5658.0, 5539.0, 5279.0, 5387.0, 5425.0, 5402.0, 5540.0, 5285.0, 5489.0, 5689.0, 5388.0<br>(number of hits: 7)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 7 | 5280 | 9 | 1 | 333 | 1 | 5262.0, 5646.0, 5339.0, 5450.0, 5607.0, 5711.0, 5447.0, 5462.0, 5273.0, 5269.0, 5386.0, 5651.0, 5481.0, 5289.0, 5422.0, 5642.0, 5470.0, 5381.0, 5678.0, 5293.0, 5363.0, 5568.0, 5417.0, 5413.0, 5722.0, 5333.0, 5586.0, 5523.0, 5542.0, 5316.0, 5434.0, 5342.0, 5254.0, 5566.0, 5547.0, 5533.0, 5630.0, 5478.0, 5599.0, 5655.0, 5475.0, 5477.0, 5482.0, 5643.0, 5604.0, 5594.0, 5504.0, 5572.0, 5452.0, 5347.0, 5589.0, 5556.0, 5650.0, 5693.0, 5498.0, 5303.0, 5467.0, 5675.0, 5521.0, 5290.0, 5616.0, 5613.0, 5433.0, 5519.0, 5324.0, 5436.0, 5697.0, 5350.0, 5373.0, 5581.0, 5382.0, 5453.0, 5614.0, 5313.0, 5308.0, 5456.0, 5250.0, 5530.0, 5564.0, 5522.0, 5451.0, 5592.0, 5510.0, 5538.0, 5657.0, 5291.0, 5474.0, 5579.0, 5682.0, 5719.0, 5319.0, 5673.0, 5627.0, 5294.0, 5605.0, 5444.0, 5353.0, 5421.0, 5283.0, 5701.0<br>(number of hits: 3) |
| 8 | 5280 | 9 | 1 | 333 | 1 | 5589.0, 5597.0, 5602.0, 5254.0, 5547.0, 5702.0, 5453.0, 5578.0, 5530.0, 5386.0, 5635.0, 5413.0, 5630.0, 5509.0, 5591.0, 5342.0, 5366.0, 5625.0, 5546.0, 5568.0, 5583.0, 5374.0, 5371.0, 5311.0, 5622.0, 5604.0, 5536.0, 5707.0, 5267.0, 5627.0, 5439.0, 5556.0, 5296.0, 5681.0, 5680.0, 5520.0, 5710.0, 5616.0, 5419.0, 5646.0, 5689.0, 5537.0, 5346.0, 5438.0, 5664.0, 5626.0, 5606.0, 5590.0, 5506.0, 5353.0, 5283.0, 5456.0, 5637.0, 5350.0, 5364.0, 5638.0, 5470.0, 5396.0, 5417.0, 5510.0, 5600.0, 5575.0, 5699.0, 5572.0, 5455.0, 5471.0, 5492.0, 5479.0, 5529.0, 5539.0, 5650.0, 5303.0, 5493.0, 5715.0, 5686.0, 5414.0, 5648.0, 5564.0, 5669.0, 5460.0, 5639.0, 5499.0, 5631.0, 5722.0, 5563.0, 5544.0, 5706.0, 5545.0, 5292.0, 5613.0, 5598.0, 5488.0, 5321.0, 5432.0, 5466.0, 5434.0, 5259.0, 5649.0, 5548.0, 5667.0<br>(number of hits: 1) |
| 9 | 5280 | 9 | 1 | 333 | 1 | 5274.0, 5356.0, 5363.0, 5635.0, 5681.0, 5333.0, 5608.0, 5299.0, 5699.0, 5264.0, 5257.0, 5273.0, 5517.0, 5605.0, 5413.0, 5719.0, 5600.0, 5374.0, 5309.0, 5575.0, 5675.0, 5641.0, 5604.0, 5440.0, 5683.0, 5541.0, 5409.0, 5654.0, 5677.0, 5301.0, 5642.0, 5297.0, 5487.0, 5689.0, 5252.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5496.0, 5609.0, 5298.0, 5491.0, 5637.0, 5484.0, 5592.0, 5348.0, 5380.0, 5400.0, 5507.0, 5253.0, 5290.0, 5362.0, 5266.0, 5408.0, 5663.0, 5412.0, 5414.0, 5372.0, 5421.0, 5647.0, 5655.0, 5571.0, 5480.0, 5326.0, 5511.0, 5581.0, 5302.0, 5620.0, 5349.0, 5324.0, 5371.0, 5585.0, 5466.0, 5528.0, 5567.0, 5516.0, 5476.0, 5631.0, 5577.0, 5686.0, 5430.0, 5557.0, 5538.0, 5628.0, 5350.0, 5682.0, 5552.0, 5255.0, 5431.0, 5310.0, 5695.0, 5449.0, 5687.0, 5406.0, 5402.0, 5524.0, 5278.0, 5548.0, 5285.0, 5696.0, 5572.0, 5617.0, 5573.0<br>(number of hits: 4 )                                                                                                                                                                                                                                                                                         |
| 10 | 5280 | 9 | 1 | 333 | 1 | 5296.0, 5473.0, 5469.0, 5592.0, 5373.0, 5604.0, 5453.0, 5603.0, 5682.0, 5591.0, 5686.0, 5398.0, 5724.0, 5430.0, 5705.0, 5357.0, 5381.0, 5498.0, 5720.0, 5441.0, 5523.0, 5662.0, 5314.0, 5476.0, 5629.0, 5694.0, 5377.0, 5434.0, 5330.0, 5280.0, 5274.0, 5327.0, 5447.0, 5443.0, 5456.0, 5627.0, 5672.0, 5633.0, 5399.0, 5661.0, 5392.0, 5454.0, 5497.0, 5319.0, 5411.0, 5708.0, 5538.0, 5652.0, 5429.0, 5676.0, 5654.0, 5257.0, 5410.0, 5597.0, 5647.0, 5486.0, 5471.0, 5385.0, 5444.0, 5424.0, 5413.0, 5616.0, 5462.0, 5513.0, 5574.0, 5335.0, 5560.0, 5503.0, 5449.0, 5442.0, 5653.0, 5467.0, 5435.0, 5328.0, 5583.0, 5345.0, 5632.0, 5401.0, 5397.0, 5317.0, 5688.0, 5534.0, 5582.0, 5333.0, 5659.0, 5530.0, 5564.0, 5665.0, 5480.0, 5677.0, 5599.0, 5598.0, 5612.0, 5309.0, 5607.0, 5631.0, 5272.0, 5546.0, 5579.0, 5353.0<br>(number of hits: 3 ) |
| 11 | 5280 | 9 | 1 | 333 | 1 | 5363.0, 5647.0, 5648.0, 5355.0, 5350.0, 5440.0, 5626.0, 5556.0, 5598.0, 5255.0, 5352.0, 5646.0, 5602.0, 5534.0, 5391.0, 5469.0, 5364.0, 5260.0, 5370.0, 5691.0, 5425.0, 5631.0, 5316.0, 5622.0, 5546.0, 5452.0, 5324.0, 5298.0, 5342.0, 5636.0, 5645.0, 5559.0, 5344.0, 5343.0, 5547.0, 5541.0, 5408.0, 5594.0, 5664.0, 5532.0, 5306.0, 5531.0, 5502.0, 5498.0, 5493.0, 5402.0, 5439.0, 5708.0, 5310.0, 5271.0, 5617.0, 5632.0, 5346.0, 5281.0, 5289.0, 5686.0, 5485.0, 5365.0, 5292.0, 5330.0, 5654.0, 5337.0, 5519.0, 5477.0, 5341.0, 5643.0, 5358.0, 5513.0, 5568.0, 5713.0, 5655.0, 5693.0, 5447.0, 5381.0, 5697.0, 5620.0, 5416.0, 5724.0, 5673.0, 5488.0, 5406.0, 5571.0, 5674.0, 5273.0, 5526.0, 5514.0, 5466.0, 5252.0, 5313.0, 5701.0, 5714.0, 5710.0, 5703.0, 5483.0, 5263.0, 5627.0, 5392.0, 5379.0, 5476.0, 5293.0<br>(number of hits: 4 ) |
| 12 | 5280 | 9 | 1 | 333 | 1 | 5528.0, 5450.0, 5323.0, 5485.0, 5254.0, 5278.0, 5656.0, 5658.0, 5289.0, 5547.0, 5526.0, 5588.0, 5353.0, 5379.0, 5398.0, 5550.0, 5610.0, 5690.0, 5404.0, 5454.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5339.0, 5331.0, 5426.0, 5288.0, 5360.0, 5553.0, 5625.0, 5382.0, 5291.0, 5296.0, 5253.0, 5475.0, 5540.0, 5337.0, 5446.0, 5719.0, 5561.0, 5594.0, 5466.0, 5496.0, 5354.0, 5265.0, 5322.0, 5411.0, 5552.0, 5675.0, 5367.0, 5674.0, 5315.0, 5449.0, 5655.0, 5316.0, 5681.0, 5312.0, 5505.0, 5688.0, 5684.0, 5621.0, 5653.0, 5706.0, 5484.0, 5401.0, 5554.0, 5592.0, 5410.0, 5533.0, 5565.0, 5483.0, 5266.0, 5600.0, 5673.0, 5295.0, 5626.0, 5300.0, 5543.0, 5659.0, 5584.0, 5492.0, 5669.0, 5437.0, 5421.0, 5558.0, 5603.0, 5376.0, 5627.0, 5397.0, 5422.0, 5519.0, 5633.0, 5320.0, 5358.0, 5591.0, 5275.0, 5696.0, 5311.0, 5589.0, 5513.0, 5720.0, 5640.0, 5270.0<br>(number of hits: 5)                                                                                                                                                                 |
| 13 | 5280 | 9 | 1 | 333 | 1 | 5276.0, 5485.0, 5649.0, 5594.0, 5600.0, 5714.0, 5585.0, 5358.0, 5317.0, 5368.0, 5555.0, 5720.0, 5686.0, 5396.0, 5386.0, 5543.0, 5643.0, 5407.0, 5277.0, 5366.0, 5674.0, 5619.0, 5298.0, 5405.0, 5524.0, 5659.0, 5683.0, 5387.0, 5256.0, 5691.0, 5459.0, 5520.0, 5262.0, 5694.0, 5500.0, 5722.0, 5409.0, 5657.0, 5610.0, 5445.0, 5375.0, 5644.0, 5498.0, 5598.0, 5502.0, 5511.0, 5406.0, 5378.0, 5316.0, 5681.0, 5471.0, 5414.0, 5388.0, 5595.0, 5604.0, 5651.0, 5606.0, 5617.0, 5707.0, 5296.0, 5478.0, 5639.0, 5452.0, 5565.0, 5280.0, 5717.0, 5522.0, 5383.0, 5444.0, 5362.0, 5360.0, 5650.0, 5305.0, 5509.0, 5318.0, 5401.0, 5325.0, 5677.0, 5448.0, 5393.0, 5392.0, 5370.0, 5353.0, 5412.0, 5443.0, 5532.0, 5580.0, 5371.0, 5523.0, 5340.0, 5336.0, 5438.0, 5429.0, 5682.0, 5466.0, 5273.0, 5567.0, 5647.0, 5345.0, 5499.0<br>(number of hits: 4) |
| 14 | 5280 | 9 | 1 | 333 | 1 | 5559.0, 5309.0, 5667.0, 5551.0, 5609.0, 5508.0, 5414.0, 5501.0, 5534.0, 5583.0, 5317.0, 5633.0, 5546.0, 5287.0, 5541.0, 5289.0, 5631.0, 5491.0, 5301.0, 5265.0, 5251.0, 5563.0, 5451.0, 5653.0, 5499.0, 5318.0, 5404.0, 5250.0, 5402.0, 5657.0, 5510.0, 5520.0, 5415.0, 5560.0, 5316.0, 5715.0, 5594.0, 5648.0, 5596.0, 5344.0, 5632.0, 5486.0, 5400.0, 5454.0, 5270.0, 5570.0, 5581.0, 5674.0, 5288.0, 5606.0, 5557.0, 5444.0, 5272.0, 5308.0, 5351.0, 5562.0, 5540.0, 5261.0, 5719.0, 5593.0, 5722.0, 5645.0, 5412.0, 5258.0, 5483.0, 5390.0, 5421.0, 5329.0, 5406.0, 5622.0, 5426.0, 5580.0, 5475.0, 5552.0, 5405.0, 5411.0, 5385.0, 5419.0, 5420.0, 5620.0, 5285.0, 5637.0, 5561.0, 5254.0, 5706.0, 5680.0, 5291.0, 5643.0, 5469.0, 5257.0, 5348.0, 5452.0, 5338.0, 5650.0, 5364.0, 5652.0, 5647.0, 5639.0, 5435.0, 5430.0<br>(number of hits: 6) |
| 15 | 5280 | 9 | 1 | 333 | 1 | 5675.0, 5266.0, 5349.0, 5539.0, 5291.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|------|---|---|-----|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5554.0, 5425.0, 5402.0, 5618.0, 5708.0,<br>5633.0, 5343.0, 5655.0, 5296.0, 5342.0,<br>5369.0, 5364.0, 5680.0, 5388.0, 5604.0,<br>5663.0, 5430.0, 5448.0, 5580.0, 5584.0,<br>5347.0, 5467.0, 5557.0, 5710.0, 5590.0,<br>5642.0, 5359.0, 5294.0, 5720.0, 5368.0,<br>5464.0, 5639.0, 5277.0, 5418.0, 5670.0,<br>5374.0, 5256.0, 5255.0, 5299.0, 5468.0,<br>5440.0, 5678.0, 5441.0, 5649.0, 5251.0,<br>5465.0, 5692.0, 5375.0, 5406.0, 5537.0,<br>5558.0, 5350.0, 5288.0, 5366.0, 5704.0,<br>5319.0, 5595.0, 5615.0, 5697.0, 5306.0,<br>5699.0, 5534.0, 5679.0, 5634.0, 5358.0,<br>5454.0, 5609.0, 5391.0, 5303.0, 5372.0,<br>5469.0, 5705.0, 5487.0, 5681.0, 5477.0,<br>5567.0, 5269.0, 5426.0, 5253.0, 5476.0,<br>5274.0, 5302.0, 5470.0, 5461.0, 5652.0,<br>5641.0, 5700.0, 5546.0, 5588.0, 5585.0,<br>5481.0, 5524.0, 5555.0, 5711.0, 5593.0<br>(number of hits: 3 )                                            |
| 16 | 5280 | 9 | 1 | 333 | 1 | 5469.0, 5707.0, 5689.0, 5631.0, 5639.0,<br>5305.0, 5291.0, 5333.0, 5645.0, 5493.0,<br>5298.0, 5584.0, 5479.0, 5272.0, 5299.0,<br>5443.0, 5442.0, 5671.0, 5706.0, 5602.0,<br>5284.0, 5327.0, 5494.0, 5715.0, 5348.0,<br>5550.0, 5502.0, 5580.0, 5392.0, 5476.0,<br>5516.0, 5393.0, 5573.0, 5460.0, 5355.0,<br>5371.0, 5295.0, 5673.0, 5581.0, 5311.0,<br>5692.0, 5599.0, 5319.0, 5436.0, 5564.0,<br>5271.0, 5322.0, 5686.0, 5449.0, 5567.0,<br>5625.0, 5612.0, 5511.0, 5324.0, 5574.0,<br>5548.0, 5600.0, 5504.0, 5403.0, 5462.0,<br>5658.0, 5484.0, 5694.0, 5414.0, 5289.0,<br>5451.0, 5635.0, 5475.0, 5372.0, 5487.0,<br>5628.0, 5514.0, 5358.0, 5466.0, 5412.0,<br>5308.0, 5685.0, 5570.0, 5638.0, 5381.0,<br>5659.0, 5279.0, 5302.0, 5512.0, 5439.0,<br>5456.0, 5418.0, 5276.0, 5256.0, 5468.0,<br>5369.0, 5336.0, 5582.0, 5360.0, 5254.0,<br>5697.0, 5353.0, 5568.0, 5545.0, 5282.0<br>(number of hits: 7 ) |
| 17 | 5280 | 9 | 1 | 333 | 1 | 5503.0, 5501.0, 5529.0, 5260.0, 5298.0,<br>5309.0, 5586.0, 5604.0, 5422.0, 5654.0,<br>5446.0, 5674.0, 5372.0, 5457.0, 5634.0,<br>5328.0, 5678.0, 5591.0, 5597.0, 5300.0,<br>5683.0, 5479.0, 5417.0, 5687.0, 5542.0,<br>5482.0, 5344.0, 5594.0, 5366.0, 5649.0,<br>5410.0, 5596.0, 5425.0, 5578.0, 5510.0,<br>5658.0, 5379.0, 5428.0, 5251.0, 5313.0,<br>5381.0, 5498.0, 5513.0, 5412.0, 5397.0,<br>5544.0, 5455.0, 5452.0, 5438.0, 5721.0,<br>5698.0, 5324.0, 5515.0, 5362.0, 5689.0,<br>5433.0, 5448.0, 5601.0, 5519.0, 5270.0,<br>5444.0, 5672.0, 5486.0, 5306.0, 5507.0,<br>5312.0, 5499.0, 5330.0, 5391.0, 5662.0,<br>5334.0, 5629.0, 5546.0, 5618.0, 5690.0,<br>5340.0, 5352.0, 5477.0, 5316.0, 5271.0,<br>5407.0, 5608.0, 5723.0, 5512.0, 5590.0,<br>5359.0, 5276.0, 5681.0, 5301.0, 5261.0,<br>5653.0, 5688.0, 5588.0, 5357.0, 5419.0,                                                                   |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|------|---|---|-----|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5304.0, 5423.0, 5377.0, 5667.0, 5365.0<br>(number of hits: 3 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 18 | 5280 | 9 | 1 | 333 | 1 | 5666.0, 5516.0, 5634.0, 5342.0, 5407.0,<br>5412.0, 5272.0, 5556.0, 5635.0, 5317.0,<br>5281.0, 5712.0, 5297.0, 5442.0, 5674.0,<br>5260.0, 5692.0, 5493.0, 5277.0, 5637.0,<br>5618.0, 5322.0, 5529.0, 5660.0, 5646.0,<br>5719.0, 5406.0, 5254.0, 5638.0, 5385.0,<br>5393.0, 5609.0, 5514.0, 5683.0, 5722.0,<br>5496.0, 5628.0, 5679.0, 5374.0, 5379.0,<br>5697.0, 5323.0, 5334.0, 5396.0, 5464.0,<br>5483.0, 5676.0, 5699.0, 5386.0, 5647.0,<br>5520.0, 5633.0, 5584.0, 5267.0, 5623.0,<br>5585.0, 5263.0, 5718.0, 5663.0, 5310.0,<br>5394.0, 5466.0, 5292.0, 5714.0, 5409.0,<br>5382.0, 5651.0, 5620.0, 5419.0, 5316.0,<br>5257.0, 5509.0, 5437.0, 5380.0, 5600.0,<br>5636.0, 5720.0, 5289.0, 5299.0, 5296.0,<br>5266.0, 5506.0, 5353.0, 5611.0, 5576.0,<br>5568.0, 5275.0, 5550.0, 5264.0, 5650.0,<br>5523.0, 5588.0, 5432.0, 5426.0, 5314.0,<br>5433.0, 5602.0, 5408.0, 5684.0, 5540.0<br>(number of hits: 5 ) |
| 19 | 5280 | 9 | 1 | 333 | 1 | 5656.0, 5490.0, 5684.0, 5252.0, 5695.0,<br>5452.0, 5346.0, 5268.0, 5319.0, 5432.0,<br>5357.0, 5617.0, 5536.0, 5407.0, 5415.0,<br>5334.0, 5484.0, 5560.0, 5642.0, 5254.0,<br>5516.0, 5263.0, 5438.0, 5284.0, 5556.0,<br>5626.0, 5481.0, 5394.0, 5418.0, 5332.0,<br>5311.0, 5460.0, 5316.0, 5371.0, 5269.0,<br>5480.0, 5609.0, 5681.0, 5296.0, 5326.0,<br>5624.0, 5445.0, 5455.0, 5283.0, 5330.0,<br>5578.0, 5264.0, 5562.0, 5506.0, 5436.0,<br>5299.0, 5524.0, 5638.0, 5392.0, 5307.0,<br>5663.0, 5406.0, 5285.0, 5482.0, 5621.0,<br>5464.0, 5380.0, 5256.0, 5587.0, 5289.0,<br>5366.0, 5270.0, 5700.0, 5388.0, 5280.0,<br>5350.0, 5665.0, 5487.0, 5675.0, 5577.0,<br>5646.0, 5596.0, 5364.0, 5274.0, 5664.0,<br>5583.0, 5579.0, 5287.0, 5417.0, 5632.0,<br>5377.0, 5546.0, 5699.0, 5553.0, 5439.0,<br>5337.0, 5530.0, 5720.0, 5704.0, 5259.0,<br>5260.0, 5573.0, 5680.0, 5653.0, 5591.0<br>(number of hits: 8 ) |
| 20 | 5280 | 9 | 1 | 333 | 1 | 5608.0, 5712.0, 5591.0, 5365.0, 5606.0,<br>5291.0, 5696.0, 5464.0, 5369.0, 5648.0,<br>5554.0, 5639.0, 5269.0, 5622.0, 5600.0,<br>5599.0, 5640.0, 5283.0, 5380.0, 5671.0,<br>5436.0, 5419.0, 5684.0, 5646.0, 5301.0,<br>5394.0, 5658.0, 5342.0, 5487.0, 5479.0,<br>5507.0, 5270.0, 5503.0, 5558.0, 5326.0,<br>5692.0, 5299.0, 5420.0, 5724.0, 5562.0,<br>5575.0, 5654.0, 5545.0, 5531.0, 5278.0,<br>5691.0, 5462.0, 5496.0, 5329.0, 5311.0,<br>5279.0, 5668.0, 5586.0, 5514.0, 5425.0,<br>5481.0, 5446.0, 5359.0, 5550.0, 5694.0,<br>5509.0, 5644.0, 5376.0, 5473.0, 5697.0,<br>5579.0, 5718.0, 5357.0, 5338.0, 5412.0,<br>5343.0, 5540.0, 5607.0, 5699.0, 5588.0,<br>5303.0, 5293.0, 5675.0, 5345.0, 5290.0,                                                                                                                                                                                                    |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5638.0, 5505.0, 5615.0, 5435.0, 5318.0, 5330.0, 5695.0, 5273.0, 5266.0, 5602.0, 5573.0, 5437.0, 5274.0, 5629.0, 5516.0, 5354.0, 5535.0, 5616.0, 5584.0, 5332.0<br>(number of hits: 6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 21 | 5280 | 9 | 1 | 333 | 1 | 5446.0, 5290.0, 5518.0, 5429.0, 5588.0, 5283.0, 5366.0, 5639.0, 5267.0, 5594.0, 5291.0, 5463.0, 5335.0, 5255.0, 5623.0, 5257.0, 5464.0, 5546.0, 5572.0, 5279.0, 5650.0, 5490.0, 5542.0, 5707.0, 5338.0, 5352.0, 5277.0, 5250.0, 5710.0, 5590.0, 5433.0, 5441.0, 5516.0, 5701.0, 5666.0, 5668.0, 5295.0, 5349.0, 5293.0, 5451.0, 5405.0, 5582.0, 5287.0, 5428.0, 5536.0, 5636.0, 5500.0, 5611.0, 5551.0, 5571.0, 5425.0, 5445.0, 5627.0, 5509.0, 5350.0, 5620.0, 5564.0, 5252.0, 5578.0, 5469.0, 5482.0, 5631.0, 5625.0, 5570.0, 5709.0, 5561.0, 5341.0, 5355.0, 5487.0, 5472.0, 5521.0, 5544.0, 5702.0, 5438.0, 5340.0, 5261.0, 5524.0, 5367.0, 5422.0, 5360.0, 5381.0, 5456.0, 5660.0, 5294.0, 5532.0, 5400.0, 5368.0, 5705.0, 5371.0, 5522.0, 5420.0, 5657.0, 5501.0, 5481.0, 5565.0, 5466.0, 5285.0, 5618.0, 5602.0, 5673.0<br>(number of hits: 5) |
| 22 | 5280 | 9 | 1 | 333 | 1 | 5699.0, 5504.0, 5509.0, 5429.0, 5552.0, 5290.0, 5329.0, 5349.0, 5551.0, 5560.0, 5384.0, 5653.0, 5669.0, 5289.0, 5597.0, 5285.0, 5324.0, 5684.0, 5644.0, 5710.0, 5422.0, 5592.0, 5616.0, 5522.0, 5662.0, 5629.0, 5535.0, 5367.0, 5420.0, 5615.0, 5617.0, 5345.0, 5668.0, 5415.0, 5514.0, 5594.0, 5456.0, 5308.0, 5555.0, 5439.0, 5697.0, 5674.0, 5468.0, 5568.0, 5359.0, 5488.0, 5686.0, 5531.0, 5447.0, 5396.0, 5398.0, 5700.0, 5657.0, 5520.0, 5663.0, 5385.0, 5299.0, 5709.0, 5407.0, 5397.0, 5328.0, 5525.0, 5547.0, 5590.0, 5271.0, 5625.0, 5477.0, 5288.0, 5634.0, 5356.0, 5334.0, 5336.0, 5441.0, 5401.0, 5518.0, 5575.0, 5332.0, 5563.0, 5706.0, 5649.0, 5375.0, 5264.0, 5309.0, 5486.0, 5338.0, 5620.0, 5601.0, 5286.0, 5705.0, 5599.0, 5259.0, 5659.0, 5428.0, 5370.0, 5642.0, 5564.0, 5589.0, 5358.0, 5400.0, 5530.0<br>(number of hits: 5) |
| 23 | 5280 | 9 | 1 | 333 | 1 | 5606.0, 5324.0, 5607.0, 5485.0, 5690.0, 5544.0, 5356.0, 5567.0, 5484.0, 5340.0, 5697.0, 5445.0, 5723.0, 5614.0, 5329.0, 5345.0, 5548.0, 5415.0, 5625.0, 5408.0, 5561.0, 5473.0, 5569.0, 5398.0, 5276.0, 5557.0, 5514.0, 5253.0, 5578.0, 5703.0, 5309.0, 5721.0, 5541.0, 5301.0, 5460.0, 5717.0, 5281.0, 5593.0, 5688.0, 5610.0, 5599.0, 5325.0, 5572.0, 5622.0, 5563.0, 5294.0, 5594.0, 5640.0, 5482.0, 5284.0, 5700.0, 5463.0, 5461.0, 5722.0, 5503.0, 5438.0, 5568.0, 5582.0, 5534.0, 5381.0, 5287.0, 5665.0, 5694.0, 5426.0, 5377.0,                                                                                                                                                                                                                                                                                                               |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5715.0, 5691.0, 5539.0, 5636.0, 5464.0, 5671.0, 5680.0, 5720.0, 5674.0, 5257.0, 5685.0, 5498.0, 5305.0, 5676.0, 5327.0, 5419.0, 5361.0, 5472.0, 5579.0, 5273.0, 5334.0, 5409.0, 5314.0, 5272.0, 5478.0, 5669.0, 5477.0, 5580.0, 5652.0, 5259.0, 5524.0, 5359.0, 5536.0, 5714.0, 5532.0<br>(number of hits: 6 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 24 | 5280 | 9 | 1 | 333 | 1 | 5562.0, 5468.0, 5557.0, 5508.0, 5305.0, 5451.0, 5688.0, 5369.0, 5344.0, 5456.0, 5646.0, 5677.0, 5410.0, 5627.0, 5274.0, 5569.0, 5276.0, 5718.0, 5549.0, 5721.0, 5429.0, 5438.0, 5383.0, 5316.0, 5287.0, 5431.0, 5554.0, 5659.0, 5635.0, 5717.0, 5318.0, 5338.0, 5592.0, 5619.0, 5334.0, 5491.0, 5621.0, 5547.0, 5674.0, 5567.0, 5553.0, 5652.0, 5265.0, 5715.0, 5600.0, 5290.0, 5712.0, 5483.0, 5671.0, 5647.0, 5538.0, 5327.0, 5606.0, 5284.0, 5385.0, 5555.0, 5419.0, 5580.0, 5418.0, 5723.0, 5469.0, 5632.0, 5612.0, 5463.0, 5437.0, 5701.0, 5719.0, 5527.0, 5371.0, 5413.0, 5664.0, 5465.0, 5663.0, 5457.0, 5675.0, 5273.0, 5620.0, 5317.0, 5525.0, 5615.0, 5253.0, 5268.0, 5377.0, 5266.0, 5636.0, 5684.0, 5417.0, 5589.0, 5475.0, 5552.0, 5595.0, 5655.0, 5285.0, 5384.0, 5512.0, 5372.0, 5604.0, 5509.0, 5564.0, 5286.0<br>(number of hits: 7 ) |
| 25 | 5280 | 9 | 1 | 333 | 1 | 5579.0, 5364.0, 5575.0, 5302.0, 5507.0, 5702.0, 5611.0, 5625.0, 5616.0, 5722.0, 5273.0, 5383.0, 5307.0, 5455.0, 5391.0, 5609.0, 5448.0, 5543.0, 5327.0, 5375.0, 5432.0, 5652.0, 5340.0, 5509.0, 5687.0, 5695.0, 5646.0, 5469.0, 5423.0, 5503.0, 5400.0, 5353.0, 5626.0, 5438.0, 5640.0, 5290.0, 5298.0, 5631.0, 5345.0, 5396.0, 5270.0, 5491.0, 5490.0, 5445.0, 5447.0, 5485.0, 5370.0, 5559.0, 5588.0, 5690.0, 5565.0, 5568.0, 5672.0, 5552.0, 5627.0, 5496.0, 5425.0, 5308.0, 5567.0, 5647.0, 5669.0, 5670.0, 5295.0, 5678.0, 5428.0, 5409.0, 5319.0, 5596.0, 5369.0, 5259.0, 5405.0, 5710.0, 5465.0, 5520.0, 5704.0, 5705.0, 5694.0, 5418.0, 5592.0, 5348.0, 5280.0, 5357.0, 5407.0, 5633.0, 5480.0, 5619.0, 5452.0, 5412.0, 5604.0, 5426.0, 5686.0, 5644.0, 5250.0, 5525.0, 5397.0, 5267.0, 5427.0, 5457.0, 5349.0, 5393.0<br>(number of hits: 3 ) |
| 26 | 5280 | 9 | 1 | 333 | 1 | 5293.0, 5685.0, 5303.0, 5583.0, 5498.0, 5331.0, 5391.0, 5286.0, 5507.0, 5553.0, 5551.0, 5254.0, 5508.0, 5326.0, 5449.0, 5604.0, 5437.0, 5577.0, 5339.0, 5635.0, 5400.0, 5693.0, 5269.0, 5314.0, 5701.0, 5530.0, 5461.0, 5393.0, 5572.0, 5599.0, 5452.0, 5628.0, 5700.0, 5503.0, 5724.0, 5663.0, 5488.0, 5566.0, 5564.0, 5531.0, 5615.0, 5576.0, 5653.0, 5263.0, 5365.0, 5586.0, 5667.0, 5312.0, 5268.0, 5519.0,                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5539.0, 5681.0, 5664.0, 5266.0, 5348.0, 5668.0, 5396.0, 5538.0, 5426.0, 5545.0, 5438.0, 5384.0, 5270.0, 5456.0, 5335.0, 5445.0, 5707.0, 5696.0, 5687.0, 5342.0, 5429.0, 5662.0, 5316.0, 5558.0, 5423.0, 5632.0, 5431.0, 5388.0, 5584.0, 5473.0, 5309.0, 5694.0, 5432.0, 5619.0, 5534.0, 5340.0, 5336.0, 5712.0, 5568.0, 5657.0, 5505.0, 5484.0, 5280.0, 5527.0, 5383.0, 5398.0, 5443.0, 5524.0, 5450.0, 5346.0<br>(number of hits: 3)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 27 | 5280 | 9 | 1 | 333 | 1 | 5490.0, 5321.0, 5367.0, 5363.0, 5653.0, 5593.0, 5463.0, 5300.0, 5505.0, 5654.0, 5366.0, 5627.0, 5629.0, 5497.0, 5258.0, 5532.0, 5578.0, 5431.0, 5697.0, 5637.0, 5313.0, 5337.0, 5375.0, 5442.0, 5426.0, 5562.0, 5315.0, 5663.0, 5504.0, 5705.0, 5410.0, 5600.0, 5576.0, 5554.0, 5305.0, 5613.0, 5323.0, 5376.0, 5290.0, 5641.0, 5303.0, 5622.0, 5400.0, 5354.0, 5277.0, 5673.0, 5631.0, 5604.0, 5457.0, 5655.0, 5285.0, 5699.0, 5539.0, 5331.0, 5657.0, 5255.0, 5466.0, 5282.0, 5384.0, 5512.0, 5374.0, 5357.0, 5696.0, 5589.0, 5610.0, 5626.0, 5329.0, 5361.0, 5446.0, 5308.0, 5680.0, 5259.0, 5493.0, 5438.0, 5448.0, 5516.0, 5472.0, 5322.0, 5668.0, 5509.0, 5608.0, 5536.0, 5286.0, 5507.0, 5295.0, 5522.0, 5451.0, 5496.0, 5475.0, 5715.0, 5692.0, 5614.0, 5489.0, 5524.0, 5469.0, 5271.0, 5368.0, 5568.0, 5297.0, 5345.0<br>(number of hits: 5) |
| 28 | 5280 | 9 | 1 | 333 | 1 | 5383.0, 5613.0, 5289.0, 5551.0, 5400.0, 5568.0, 5457.0, 5276.0, 5598.0, 5547.0, 5484.0, 5591.0, 5709.0, 5403.0, 5623.0, 5344.0, 5433.0, 5630.0, 5522.0, 5701.0, 5679.0, 5430.0, 5449.0, 5460.0, 5445.0, 5626.0, 5407.0, 5442.0, 5440.0, 5401.0, 5708.0, 5290.0, 5414.0, 5382.0, 5534.0, 5690.0, 5602.0, 5376.0, 5297.0, 5521.0, 5643.0, 5352.0, 5541.0, 5712.0, 5657.0, 5466.0, 5510.0, 5665.0, 5671.0, 5325.0, 5627.0, 5288.0, 5318.0, 5277.0, 5608.0, 5308.0, 5322.0, 5408.0, 5439.0, 5549.0, 5590.0, 5427.0, 5558.0, 5557.0, 5485.0, 5574.0, 5398.0, 5587.0, 5615.0, 5492.0, 5475.0, 5653.0, 5540.0, 5349.0, 5252.0, 5533.0, 5575.0, 5706.0, 5685.0, 5536.0, 5573.0, 5368.0, 5559.0, 5717.0, 5473.0, 5636.0, 5389.0, 5529.0, 5384.0, 5617.0, 5363.0, 5624.0, 5483.0, 5438.0, 5303.0, 5711.0, 5610.0, 5564.0, 5405.0, 5673.0<br>(number of hits: 4) |
| 29 | 5280 | 9 | 1 | 333 | 1 | 5563.0, 5272.0, 5367.0, 5262.0, 5571.0, 5522.0, 5321.0, 5253.0, 5551.0, 5349.0, 5274.0, 5599.0, 5437.0, 5525.0, 5680.0, 5484.0, 5681.0, 5694.0, 5338.0, 5425.0, 5445.0, 5552.0, 5514.0, 5329.0, 5363.0, 5601.0, 5350.0, 5657.0, 5265.0, 5543.0, 5331.0, 5289.0, 5424.0, 5492.0, 5697.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----|------|---|---|-----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5344.0, 5509.0, 5454.0, 5319.0, 5476.0,<br>5614.0, 5691.0, 5276.0, 5608.0, 5345.0,<br>5480.0, 5576.0, 5434.0, 5466.0, 5721.0,<br>5497.0, 5695.0, 5381.0, 5407.0, 5565.0,<br>5611.0, 5477.0, 5501.0, 5316.0, 5693.0,<br>5570.0, 5516.0, 5463.0, 5656.0, 5610.0,<br>5333.0, 5567.0, 5696.0, 5618.0, 5394.0,<br>5365.0, 5280.0, 5359.0, 5269.0, 5337.0,<br>5452.0, 5362.0, 5390.0, 5617.0, 5534.0,<br>5422.0, 5495.0, 5464.0, 5519.0, 5442.0,<br>5586.0, 5700.0, 5429.0, 5555.0, 5263.0,<br>5379.0, 5323.0, 5369.0, 5661.0, 5471.0,<br>5308.0, 5397.0, 5413.0, 5472.0, 5315.0<br>(number of hits: 5 )                                                                                                                                                                                                                                                                                                               |
| 30 | 5280 | 9 | 1 | 333 | 1 | 5545.0, 5447.0, 5466.0, 5475.0, 5552.0,<br>5430.0, 5471.0, 5313.0, 5436.0, 5452.0,<br>5485.0, 5569.0, 5351.0, 5439.0, 5386.0,<br>5276.0, 5337.0, 5259.0, 5643.0, 5331.0,<br>5379.0, 5614.0, 5285.0, 5670.0, 5270.0,<br>5441.0, 5444.0, 5354.0, 5271.0, 5622.0,<br>5587.0, 5564.0, 5652.0, 5644.0, 5619.0,<br>5678.0, 5343.0, 5286.0, 5648.0, 5534.0,<br>5600.0, 5283.0, 5568.0, 5527.0, 5428.0,<br>5621.0, 5279.0, 5697.0, 5427.0, 5558.0,<br>5685.0, 5721.0, 5665.0, 5543.0, 5711.0,<br>5651.0, 5257.0, 5682.0, 5695.0, 5500.0,<br>5555.0, 5688.0, 5280.0, 5580.0, 5469.0,<br>5557.0, 5612.0, 5287.0, 5273.0, 5467.0,<br>5544.0, 5457.0, 5455.0, 5533.0, 5508.0,<br>5518.0, 5556.0, 5269.0, 5297.0, 5306.0,<br>5649.0, 5429.0, 5293.0, 5588.0, 5668.0,<br>5666.0, 5715.0, 5390.0, 5258.0, 5613.0,<br>5637.0, 5320.0, 5378.0, 5594.0, 5559.0,<br>5494.0, 5720.0, 5406.0, 5723.0, 5639.0<br>(number of hits: 10 ) |

**5580 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                           | 100 %                | 60%              | Pass             |
| <b>Type 3</b>                 | 30                           | 100 %                | 60%              | Pass             |
| <b>Type 4</b>                 | 30                           | 100 %                | 60%              | Pass             |
| <b>Aggregate (Type1 to 4)</b> | 120                          | 100 %                | 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:

**Table-1 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                                            | 5580            | 67                 | 1                       | 798             | 1                              |
| 2                                            | 5580            | 57                 | 1                       | 938             | 1                              |
| 3                                            | 5580            | 78                 | 1                       | 678             | 1                              |
| 4                                            | 5580            | 58                 | 1                       | 918             | 1                              |
| 5                                            | 5580            | 68                 | 1                       | 778             | 1                              |
| 6                                            | 5580            | 59                 | 1                       | 898             | 1                              |
| 7                                            | 5580            | 65                 | 1                       | 818             | 1                              |
| 8                                            | 5580            | 70                 | 1                       | 758             | 1                              |
| 9                                            | 5580            | 89                 | 1                       | 598             | 1                              |
| 10                                           | 5580            | 81                 | 1                       | 658             | 1                              |
| 11                                           | 5580            | 92                 | 1                       | 578             | 1                              |
| 12                                           | 5580            | 74                 | 1                       | 718             | 1                              |
| 13                                           | 5580            | 99                 | 1                       | 538             | 1                              |
| 14                                           | 5580            | 83                 | 1                       | 638             | 1                              |
| 15                                           | 5580            | 61                 | 1                       | 878             | 1                              |
| 16                                           | 5580            | 60                 | 1                       | 883             | 1                              |
| 17                                           | 5580            | 43                 | 1                       | 1247            | 1                              |
| 18                                           | 5580            | 78                 | 1                       | 679             | 1                              |
| 19                                           | 5580            | 40                 | 1                       | 1348            | 1                              |
| 20                                           | 5580            | 65                 | 1                       | 823             | 1                              |
| 21                                           | 5580            | 28                 | 1                       | 1910            | 1                              |
| 22                                           | 5580            | 18                 | 1                       | 2938            | 1                              |
| 23                                           | 5580            | 53                 | 1                       | 1007            | 1                              |
| 24                                           | 5580            | 68                 | 1                       | 781             | 1                              |
| 25                                           | 5580            | 25                 | 1                       | 2176            | 1                              |
| 26                                           | 5580            | 30                 | 1                       | 1776            | 1                              |
| 27                                           | 5580            | 26                 | 1                       | 2058            | 1                              |
| 28                                           | 5580            | 48                 | 1                       | 1110            | 1                              |
| 29                                           | 5580            | 23                 | 1                       | 2395            | 1                              |
| 30                                           | 5580            | 43                 | 1                       | 1238            | 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                                            | 5580            | 27                 | 3                       | 181             | 1                              |
| 2                                            | 5580            | 24                 | 1.7                     | 152             | 1                              |
| 3                                            | 5580            | 25                 | 1                       | 174             | 1                              |
| 4                                            | 5580            | 26                 | 1.6                     | 172             | 1                              |
| 5                                            | 5580            | 23                 | 3.3                     | 172             | 1                              |
| 6                                            | 5580            | 28                 | 2.3                     | 163             | 1                              |
| 7                                            | 5580            | 24                 | 2.1                     | 214             | 1                              |
| 8                                            | 5580            | 23                 | 2.9                     | 159             | 1                              |
| 9                                            | 5580            | 25                 | 3                       | 218             | 1                              |
| 10                                           | 5580            | 27                 | 4.2                     | 164             | 1                              |
| 11                                           | 5580            | 24                 | 4.9                     | 175             | 1                              |
| 12                                           | 5580            | 23                 | 2                       | 150             | 1                              |
| 13                                           | 5580            | 25                 | 4.2                     | 159             | 1                              |
| 14                                           | 5580            | 23                 | 3.4                     | 171             | 1                              |
| 15                                           | 5580            | 28                 | 3.9                     | 204             | 1                              |
| 16                                           | 5580            | 25                 | 3.4                     | 169             | 1                              |
| 17                                           | 5580            | 28                 | 2.6                     | 175             | 1                              |
| 18                                           | 5580            | 29                 | 3                       | 174             | 1                              |
| 19                                           | 5580            | 29                 | 4.2                     | 202             | 1                              |
| 20                                           | 5580            | 24                 | 1.1                     | 166             | 1                              |
| 21                                           | 5580            | 29                 | 1.5                     | 208             | 1                              |
| 22                                           | 5580            | 28                 | 3.4                     | 159             | 1                              |
| 23                                           | 5580            | 24                 | 4.1                     | 155             | 1                              |
| 24                                           | 5580            | 27                 | 1.5                     | 167             | 1                              |
| 25                                           | 5580            | 23                 | 2.4                     | 170             | 1                              |
| 26                                           | 5580            | 28                 | 1.4                     | 195             | 1                              |
| 27                                           | 5580            | 24                 | 4.2                     | 168             | 1                              |
| 28                                           | 5580            | 27                 | 2.3                     | 189             | 1                              |
| 29                                           | 5580            | 27                 | 3.3                     | 174             | 1                              |
| 30                                           | 5580            | 24                 | 2.7                     | 220             | 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                                            | 5580            | 18                 | 10                      | 260             | 1                              |
| 2                                            | 5580            | 17                 | 8                       | 269             | 1                              |
| 3                                            | 5580            | 16                 | 8.4                     | 493             | 1                              |
| 4                                            | 5580            | 17                 | 7.5                     | 476             | 1                              |
| 5                                            | 5580            | 16                 | 8.1                     | 268             | 1                              |
| 6                                            | 5580            | 16                 | 7.5                     | 378             | 1                              |
| 7                                            | 5580            | 17                 | 7.3                     | 300             | 1                              |
| 8                                            | 5580            | 18                 | 6.8                     | 242             | 1                              |
| 9                                            | 5580            | 17                 | 8.2                     | 404             | 1                              |
| 10                                           | 5580            | 16                 | 8.5                     | 345             | 1                              |
| 11                                           | 5580            | 17                 | 9.8                     | 212             | 1                              |
| 12                                           | 5580            | 17                 | 7.3                     | 268             | 1                              |
| 13                                           | 5580            | 18                 | 10                      | 419             | 1                              |
| 14                                           | 5580            | 18                 | 9.5                     | 372             | 1                              |
| 15                                           | 5580            | 16                 | 8.1                     | 228             | 1                              |
| 16                                           | 5580            | 16                 | 8.9                     | 428             | 1                              |
| 17                                           | 5580            | 16                 | 7.8                     | 363             | 1                              |
| 18                                           | 5580            | 16                 | 8.4                     | 407             | 1                              |
| 19                                           | 5580            | 16                 | 8.3                     | 490             | 1                              |
| 20                                           | 5580            | 16                 | 7.8                     | 356             | 1                              |
| 21                                           | 5580            | 17                 | 9.4                     | 247             | 1                              |
| 22                                           | 5580            | 17                 | 8.6                     | 397             | 1                              |
| 23                                           | 5580            | 18                 | 7.6                     | 422             | 1                              |
| 24                                           | 5580            | 16                 | 9.4                     | 381             | 1                              |
| 25                                           | 5580            | 16                 | 7.9                     | 231             | 1                              |
| 26                                           | 5580            | 18                 | 9.4                     | 468             | 1                              |
| 27                                           | 5580            | 18                 | 9.8                     | 200             | 1                              |
| 28                                           | 5580            | 18                 | 6.4                     | 211             | 1                              |
| 29                                           | 5580            | 18                 | 9.6                     | 348             | 1                              |
| 30                                           | 5580            | 16                 | 8.5                     | 315             | 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                                            | 5580            | 16                 | 17.2                    | 214             | 1                              |
| 2                                            | 5580            | 12                 | 17.8                    | 289             | 1                              |
| 3                                            | 5580            | 12                 | 17.7                    | 370             | 1                              |
| 4                                            | 5580            | 13                 | 17.1                    | 314             | 1                              |
| 5                                            | 5580            | 16                 | 14.2                    | 354             | 1                              |
| 6                                            | 5580            | 15                 | 16.7                    | 488             | 1                              |
| 7                                            | 5580            | 16                 | 16.2                    | 236             | 1                              |
| 8                                            | 5580            | 12                 | 19.2                    | 493             | 1                              |
| 9                                            | 5580            | 13                 | 16.4                    | 252             | 1                              |
| 10                                           | 5580            | 13                 | 18.7                    | 213             | 1                              |
| 11                                           | 5580            | 12                 | 18.2                    | 460             | 1                              |
| 12                                           | 5580            | 13                 | 12.1                    | 450             | 1                              |
| 13                                           | 5580            | 12                 | 12.5                    | 454             | 1                              |
| 14                                           | 5580            | 15                 | 14.4                    | 331             | 1                              |
| 15                                           | 5580            | 12                 | 11.7                    | 360             | 1                              |
| 16                                           | 5580            | 12                 | 12.4                    | 344             | 1                              |
| 17                                           | 5580            | 16                 | 19.9                    | 320             | 1                              |
| 18                                           | 5580            | 14                 | 12.4                    | 376             | 1                              |
| 19                                           | 5580            | 14                 | 15.1                    | 274             | 1                              |
| 20                                           | 5580            | 14                 | 14.7                    | 211             | 1                              |
| 21                                           | 5580            | 14                 | 11.6                    | 271             | 1                              |
| 22                                           | 5580            | 13                 | 17.9                    | 484             | 1                              |
| 23                                           | 5580            | 16                 | 15.7                    | 321             | 1                              |
| 24                                           | 5580            | 12                 | 17.5                    | 485             | 1                              |
| 25                                           | 5580            | 13                 | 12                      | 240             | 1                              |
| 26                                           | 5580            | 12                 | 13.2                    | 236             | 1                              |
| 27                                           | 5580            | 13                 | 17.9                    | 414             | 1                              |
| 28                                           | 5580            | 13                 | 13.4                    | 447             | 1                              |
| 29                                           | 5580            | 15                 | 19.4                    | 293             | 1                              |
| 30                                           | 5580            | 16                 | 15.6                    | 207             | 1                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

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

Bin5 Statistics 1

CF=5584MHz

| Trial # | Pulse | Chirp (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           | 96.9             | 1777                   | 1163                   | 0.325574       | 1                       |
| 1       | 2     | 15          | 81.9             | 1042                   |                        | 1.024481       |                         |
| 2       | 2     | 10          | 58.5             | 1174                   |                        | 1.613698       |                         |
| 3       | 2     | 6           | 88.4             | 1230                   |                        | 2.222916       |                         |
| 4       | 1     | 6           | 96.5             |                        |                        | 2.779702       |                         |
| 5       | 2     | 10          | 90.4             | 1927                   |                        | 3.168458       |                         |
| 6       | 2     | 7           | 51.8             | 1709                   |                        | 3.895609       |                         |
| 7       | 2     | 16          | 70.4             | 1411                   |                        | 4.512208       |                         |
| 8       | 2     | 19          | 83               | 1337                   |                        | 4.962039       |                         |
| 9       | 2     | 20          | 52.5             | 1712                   |                        | 5.866428       |                         |
| 10      | 1     | 6           | 66               |                        |                        | 6.504508       |                         |
| 11      | 2     | 19          | 98.2             | 1635                   |                        | 7.109154       |                         |
| 12      | 2     | 7           | 83.9             | 1914                   |                        | 7.509362       |                         |
| 13      | 1     | 17          | 69               |                        |                        | 7.987669       |                         |
| 14      | 2     | 6           | 56.7             | 1305                   |                        | 8.891822       |                         |
| 15      | 1     | 10          | 73.8             |                        |                        | 9.363482       |                         |
| 16      | 2     | 5           | 84.6             | 1277                   |                        | 10.035313      |                         |
| 17      | 3     | 16          | 86.5             | 1480                   | 1813                   | 10.747353      |                         |
| 18      | 3     | 12          | 52.6             | 1819                   | 1275                   | 11.359831      |                         |
| 19      | 1     | 16          | 93.1             |                        |                        | 11.546675      |                         |

## Bin5 Statistics 2

CF=5571MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 11          | 78.9             | 1419                   |                        | 0.636276       | 1                       |
| 1       | 1     | 7           | 60.6             |                        |                        | 1.231555       |                         |
| 2       | 3     | 10          | 86.3             | 1600                   | 1103                   | 2.866034       |                         |
| 3       | 1     | 16          | 66.5             |                        |                        | 3.450025       |                         |
| 4       | 2     | 15          | 69.3             | 1012                   |                        | 4.14221        |                         |
| 5       | 3     | 15          | 95.1             | 1728                   | 1653                   | 5.776314       |                         |
| 6       | 1     | 17          | 84               |                        |                        | 6.721472       |                         |
| 7       | 3     | 8           | 85.9             | 1595                   | 1392                   | 7.991865       |                         |
| 8       | 2     | 14          | 89.6             | 1285                   |                        | 8.554198       |                         |
| 9       | 2     | 19          | 89.8             | 2000                   |                        | 9.866938       |                         |
| 10      | 2     | 10          | 70.8             | 1129                   |                        | 10.784845      |                         |
| 11      | 3     | 8           | 85.4             | 1593                   | 1072                   | 11.196582      |                         |



## Bin5 Statistics 3

CF=5578MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 5           | 53.2             | 1502                   |                        | 0.139953       | 1                       |
| 1       | 1     | 14          | 84.3             |                        |                        | 0.940193       |                         |
| 2       | 2     | 11          | 60.9             | 1399                   |                        | 1.687388       |                         |
| 3       | 2     | 16          | 65.2             | 1288                   |                        | 2.122985       |                         |
| 4       | 1     | 8           | 55.2             |                        |                        | 2.478103       |                         |
| 5       | 3     | 17          | 50.6             | 1976                   | 1020                   | 3.455731       |                         |
| 6       | 1     | 6           | 50.4             |                        |                        | 3.753677       |                         |
| 7       | 1     | 20          | 57.3             |                        |                        | 4.267617       |                         |
| 8       | 2     | 12          | 62.9             | 1752                   |                        | 5.039143       |                         |
| 9       | 2     | 7           | 80.6             | 1440                   |                        | 5.505968       |                         |
| 10      | 1     | 11          | 58.4             |                        |                        | 6.13199        |                         |
| 11      | 2     | 16          | 84.3             | 1980                   |                        | 6.675575       |                         |
| 12      | 3     | 17          | 71.9             | 1128                   | 1861                   | 7.56547        |                         |
| 13      | 3     | 12          | 53               | 1115                   | 1599                   | 8.296733       |                         |
| 14      | 2     | 16          | 81               | 1353                   |                        | 8.964019       |                         |
| 15      | 3     | 15          | 70.9             | 1776                   | 1441                   | 9.108709       |                         |
| 16      | 3     | 10          | 73.9             | 1590                   | 1974                   | 9.608806       |                         |
| 17      | 2     | 15          | 61.2             | 1092                   |                        | 10.314606      |                         |
| 18      | 3     | 12          | 97.9             | 1574                   | 1825                   | 11.327252      |                         |
| 19      | 2     | 10          | 97.2             | 1670                   |                        | 11.673291      |                         |

## Bin5 Statistics 4

CF=5575MHz

| Trial # | Pulse | Chirp (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          | 61.1             |                        |                        | 0.262955       | 1                       |
| 1       | 1     | 19          | 94.6             |                        |                        | 0.972727       |                         |
| 2       | 2     | 10          | 79.3             | 1178                   |                        | 1.889365       |                         |
| 3       | 2     | 11          | 51.5             | 1159                   |                        | 2.542346       |                         |
| 4       | 2     | 8           | 85.1             | 1187                   |                        | 3.158889       |                         |
| 5       | 2     | 7           | 81.7             | 1064                   |                        | 3.91891        |                         |
| 6       | 2     | 18          | 79.2             | 1522                   |                        | 4.819384       |                         |
| 7       | 1     | 6           | 84.6             |                        |                        | 5.045557       |                         |
| 8       | 2     | 19          | 67.4             | 1016                   |                        | 5.994408       |                         |
| 9       | 1     | 18          | 99               |                        |                        | 6.89221        |                         |
| 10      | 1     | 15          | 81.6             |                        |                        | 7.202973       |                         |
| 11      | 2     | 9           | 93               | 1488                   |                        | 7.909867       |                         |
| 12      | 2     | 16          | 77               | 1020                   |                        | 8.894389       |                         |
| 13      | 2     | 7           | 74               | 1154                   |                        | 9.615579       |                         |
| 14      | 2     | 5           | 56.5             | 1316                   |                        | 10.204197      |                         |
| 15      | 2     | 8           | 89.3             | 1813                   |                        | 10.704806      |                         |
| 16      | 2     | 9           | 63.9             | 1669                   |                        | 11.452452      |                         |

## Bin5 Statistics 5

CF=5578MHz

| Trial # | Pulse | Chirp (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          | 52.2             |                        |                        | 0.50433        | 1                       |
| 1       | 1     | 10          | 99.6             |                        |                        | 0.941559       |                         |
| 2       | 1     | 19          | 82.1             |                        |                        | 1.646398       |                         |
| 3       | 3     | 19          | 60.2             | 1680                   | 1802                   | 1.993096       |                         |
| 4       | 3     | 7           | 69.5             | 1632                   | 1390                   | 2.788094       |                         |
| 5       | 2     | 14          | 69.1             | 1663                   |                        | 3.087477       |                         |
| 6       | 1     | 17          | 65.7             |                        |                        | 3.735736       |                         |
| 7       | 3     | 18          | 72.3             | 1095                   | 1502                   | 4.298347       |                         |
| 8       | 3     | 14          | 70.3             | 1081                   | 1180                   | 4.982077       |                         |
| 9       | 2     | 13          | 88.2             | 1478                   |                        | 5.661012       |                         |
| 10      | 1     | 9           | 72               |                        |                        | 6.477704       |                         |
| 11      | 2     | 16          | 81.7             | 1194                   |                        | 6.639801       |                         |
| 12      | 2     | 9           | 74.1             | 1426                   |                        | 7.332786       |                         |
| 13      | 1     | 16          | 92.4             |                        |                        | 7.844564       |                         |
| 14      | 1     | 20          | 87.8             |                        |                        | 8.557688       |                         |
| 15      | 3     | 9           | 67.4             | 1571                   | 1545                   | 9.26541        |                         |
| 16      | 2     | 8           | 55.3             | 1136                   |                        | 9.848033       |                         |
| 17      | 3     | 14          | 79.6             | 1789                   | 1085                   | 10.20904       |                         |
| 18      | 3     | 17          | 57.6             | 1258                   | 1807                   | 10.976677      |                         |
| 19      | 2     | 14          | 94.7             | 1649                   |                        | 11.938393      |                         |

## Bin5 Statistics 6

CF=5570MHz

| Trial # | Pulse | Chirp (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          | 70.1             | 1923                   |                        | 0.850972       | 1                       |
| 1       | 3     | 18          | 70               | 1355                   | 1076                   | 1.011509       |                         |
| 2       | 2     | 20          | 63.4             | 1736                   |                        | 2.121941       |                         |
| 3       | 2     | 15          | 73.1             | 1214                   |                        | 2.919373       |                         |
| 4       | 3     | 13          | 58.5             | 1899                   | 1363                   | 4.415921       |                         |
| 5       | 2     | 17          | 54.1             | 1725                   |                        | 4.751793       |                         |
| 6       | 2     | 11          | 96               | 1956                   |                        | 6.115707       |                         |
| 7       | 2     | 7           | 53.5             | 1743                   |                        | 6.653316       |                         |
| 8       | 2     | 19          | 61.7             | 1717                   |                        | 7.684756       |                         |
| 9       | 1     | 15          | 58.8             |                        |                        | 8.653127       |                         |
| 10      | 1     | 9           | 81.8             |                        |                        | 10.14948       |                         |
| 11      | 2     | 16          | 64.1             | 1989                   |                        | 10.613008      |                         |
| 12      | 3     | 8           | 55.5             | 1669                   | 1606                   | 11.690138      |                         |

## Bin5 Statistics 7

CF=5579MHz

| Trial # | Pulse | Chirp (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          | 58.2             | 1435                   |                        | 0.187779       | 1                       |
| 1       | 1     | 16          | 58.8             |                        |                        | 1.218956       |                         |
| 2       | 2     | 20          | 86.8             | 1859                   |                        | 2.061123       |                         |
| 3       | 1     | 8           | 78.4             |                        |                        | 3.847222       |                         |
| 4       | 2     | 19          | 79.4             | 1073                   |                        | 4.87201        |                         |
| 5       | 3     | 19          | 61               | 1002                   | 1946                   | 5.802684       |                         |
| 6       | 3     | 15          | 64.8             | 1885                   | 1507                   | 6.919788       |                         |
| 7       | 3     | 10          | 81.1             | 1910                   | 1673                   | 7.591939       |                         |
| 8       | 2     | 15          | 50.1             | 1134                   |                        | 8.493553       |                         |
| 9       | 2     | 13          | 78.4             | 1230                   |                        | 9.856844       |                         |
| 10      | 2     | 11          | 71               | 1620                   |                        | 10.309168      |                         |
| 11      | 2     | 18          | 61.9             | 1917                   |                        | 11.231287      |                         |

## Bin5 Statistics 8

CF=5578MHz

| Trial # | Pulse | Chirp (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           | 55.8             | 1757                   |                        | 0.158875       | 1                       |
| 1       | 1     | 7           | 54.5             |                        |                        | 1.140665       |                         |
| 2       | 1     | 5           | 71.8             |                        |                        | 1.722663       |                         |
| 3       | 1     | 11          | 87.7             |                        |                        | 2.484552       |                         |
| 4       | 2     | 8           | 95.8             | 1935                   |                        | 2.723595       |                         |
| 5       | 2     | 20          | 53.7             | 1684                   |                        | 3.975279       |                         |
| 6       | 2     | 6           | 74.3             | 1284                   |                        | 4.382846       |                         |
| 7       | 2     | 18          | 78.2             | 1964                   |                        | 4.679009       |                         |
| 8       | 1     | 8           | 70.6             |                        |                        | 5.771271       |                         |
| 9       | 3     | 19          | 55.1             | 1607                   | 1836                   | 6.131301       |                         |
| 10      | 2     | 5           | 83.9             | 1484                   |                        | 6.774666       |                         |
| 11      | 3     | 17          | 74.3             | 1241                   | 1934                   | 7.423196       |                         |
| 12      | 1     | 6           | 77.6             |                        |                        | 8.017607       |                         |
| 13      | 2     | 12          | 76.3             | 1833                   |                        | 9.094714       |                         |
| 14      | 1     | 6           | 58.8             |                        |                        | 9.672402       |                         |
| 15      | 2     | 20          | 88.9             | 1517                   |                        | 10.351995      |                         |
| 16      | 1     | 11          | 50.9             |                        |                        | 10.737964      |                         |
| 17      | 3     | 16          | 51.8             | 1396                   | 1518                   | 11.613094      |                         |

## Bin5 Statistics 9

CF=5575MHz

| Trial # | Pulse | Chirp (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          | 89.5             |                        |                        | 0.10722        | 1                       |
| 1       | 2     | 17          | 80.9             | 1994                   |                        | 0.966838       |                         |
| 2       | 3     | 20          | 54.2             | 1620                   | 1077                   | 1.489591       |                         |
| 3       | 2     | 6           | 72.3             | 1628                   |                        | 2.231925       |                         |
| 4       | 1     | 20          | 91.4             |                        |                        | 2.876528       |                         |
| 5       | 1     | 6           | 84.5             |                        |                        | 3.845561       |                         |
| 6       | 2     | 9           | 88.1             | 1601                   |                        | 4.360958       |                         |
| 7       | 2     | 7           | 51.5             | 1002                   |                        | 5.235385       |                         |
| 8       | 2     | 7           | 65.1             | 1004                   |                        | 5.448717       |                         |
| 9       | 1     | 16          | 98               |                        |                        | 6.607643       |                         |
| 10      | 1     | 13          | 91.4             |                        |                        | 7.153102       |                         |
| 11      | 2     | 12          | 64.5             | 1134                   |                        | 7.527987       |                         |
| 12      | 2     | 10          | 92.1             | 1607                   |                        | 8.548058       |                         |
| 13      | 3     | 11          | 68.3             | 1628                   | 1736                   | 9.271374       |                         |
| 14      | 2     | 17          | 71.2             | 1648                   |                        | 9.552233       |                         |
| 15      | 2     | 6           | 95               | 1684                   |                        | 10.516688      |                         |
| 16      | 1     | 14          | 72.2             |                        |                        | 11.249209      |                         |
| 17      | 1     | 12          | 54.9             |                        |                        | 11.419855      |                         |

## Bin5 Statistics 10

CF=5585MHz

| Trial # | Pulse | Chirp (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          | 98.6             | 1678                   | 1206                   | 0.464381       | 1                       |
| 1       | 1     | 17          | 97.9             |                        |                        | 1.022988       |                         |
| 2       | 2     | 13          | 57.1             | 1807                   |                        | 1.704049       |                         |
| 3       | 3     | 8           | 97.4             | 1362                   | 1791                   | 1.994255       |                         |
| 4       | 2     | 15          | 62               | 1797                   |                        | 3.119785       |                         |
| 5       | 2     | 18          | 80.2             | 1822                   |                        | 3.63465        |                         |
| 6       | 3     | 12          | 90.9             | 1992                   | 1655                   | 3.807906       |                         |
| 7       | 3     | 17          | 52.6             | 1733                   | 1305                   | 5.03633        |                         |
| 8       | 2     | 9           | 67.1             | 1627                   |                        | 5.170765       |                         |
| 9       | 2     | 10          | 81.1             | 1718                   |                        | 6.229271       |                         |
| 10      | 1     | 12          | 95               |                        |                        | 6.524826       |                         |
| 11      | 2     | 17          | 80.6             | 1169                   |                        | 7.421804       |                         |
| 12      | 3     | 20          | 80.3             | 1856                   | 1084                   | 8.039494       |                         |
| 13      | 2     | 6           | 57.1             | 1943                   |                        | 8.619609       |                         |
| 14      | 2     | 16          | 51               | 1547                   |                        | 9.397382       |                         |
| 15      | 2     | 10          | 96.9             | 1115                   |                        | 9.815549       |                         |
| 16      | 1     | 19          | 61.9             |                        |                        | 10.140285      |                         |
| 17      | 1     | 8           | 57.7             |                        |                        | 11.23497       |                         |
| 18      | 3     | 16          | 90.2             | 1858                   | 1573                   | 11.459467      |                         |

## Bin5 Statistics 11

CF=5575MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 11          | 91.8             | 1788                   |                        | 0.031347       | 1                       |
| 1       | 1     | 8           | 77.7             |                        |                        | 0.76766        |                         |
| 2       | 1     | 19          | 80.9             |                        |                        | 1.394765       |                         |
| 3       | 1     | 17          | 94.7             |                        |                        | 2.034031       |                         |
| 4       | 2     | 11          | 65.4             | 1281                   |                        | 2.71117        |                         |
| 5       | 2     | 18          | 90               | 1449                   |                        | 3.659831       |                         |
| 6       | 2     | 18          | 86.5             | 1630                   |                        | 3.8807         |                         |
| 7       | 3     | 6           | 66.9             | 1163                   | 1823                   | 4.555334       |                         |
| 8       | 2     | 13          | 69.4             | 1084                   |                        | 5.577877       |                         |
| 9       | 1     | 14          | 84.4             |                        |                        | 5.880387       |                         |
| 10      | 2     | 19          | 81.2             | 1638                   |                        | 6.487204       |                         |
| 11      | 2     | 19          | 61.2             | 1620                   |                        | 7.521783       |                         |
| 12      | 3     | 10          | 67               | 1360                   | 1508                   | 8.149132       |                         |
| 13      | 1     | 10          | 55.4             |                        |                        | 8.310275       |                         |
| 14      | 2     | 20          | 89.6             | 1739                   |                        | 9.203997       |                         |
| 15      | 2     | 11          | 62               | 1449                   |                        | 9.695311       |                         |
| 16      | 1     | 17          | 76.6             |                        |                        | 10.639075      |                         |
| 17      | 2     | 9           | 51.4             | 1284                   |                        | 11.047257      |                         |
| 18      | 3     | 13          | 85.3             | 1991                   | 1380                   | 11.370022      |                         |

## Bin5 Statistics 12

CF=5586MHz

| Trial # | Pulse | Chirp (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          | 53.1             | 1610                   |                        | 0.552772       | 1                       |
| 1       | 1     | 15          | 68               |                        |                        | 1.484343       |                         |
| 2       | 1     | 8           | 54.5             |                        |                        | 2.448102       |                         |
| 3       | 2     | 13          | 51.5             | 1662                   |                        | 3.977616       |                         |
| 4       | 3     | 14          | 65.2             | 1726                   | 1165                   | 4.941428       |                         |
| 5       | 3     | 19          | 81.3             | 1068                   | 1655                   | 5.435532       |                         |
| 6       | 2     | 7           | 75.4             | 1071                   |                        | 6.277718       |                         |
| 7       | 2     | 8           | 93.1             | 1754                   |                        | 7.793285       |                         |
| 8       | 3     | 11          | 98.8             | 1508                   | 1955                   | 8.236515       |                         |
| 9       | 3     | 19          | 89.4             | 1529                   | 1999                   | 9.519952       |                         |
| 10      | 3     | 17          | 98.1             | 1574                   | 1649                   | 10.377546      |                         |
| 11      | 2     | 10          | 68               | 1836                   |                        | 11.18585       |                         |



## Bin5 Statistics 13

CF=5584MHz

| Trial # | Pulse | Chirp (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          | 52.9             | 1923                   | 1230                   | 0.514498       | 1                       |
| 1       | 1     | 7           | 79.9             |                        |                        | 1.194777       |                         |
| 2       | 2     | 12          | 75.3             | 1076                   |                        | 1.467401       |                         |
| 3       | 1     | 12          | 95.4             |                        |                        | 2.18004        |                         |
| 4       | 3     | 9           | 75.9             | 1569                   | 1151                   | 2.737699       |                         |
| 5       | 1     | 16          | 57.2             |                        |                        | 3.784945       |                         |
| 6       | 2     | 10          | 95.4             | 1432                   |                        | 4.291763       |                         |
| 7       | 1     | 11          | 84.6             |                        |                        | 4.657842       |                         |
| 8       | 3     | 10          | 94.7             | 1327                   | 1791                   | 5.363927       |                         |
| 9       | 1     | 12          | 81.8             |                        |                        | 6.128387       |                         |
| 10      | 1     | 9           | 97               |                        |                        | 6.45299        |                         |
| 11      | 2     | 15          | 81.1             | 1208                   |                        | 7.191888       |                         |
| 12      | 1     | 10          | 62.6             |                        |                        | 7.930789       |                         |
| 13      | 2     | 6           | 62.9             | 1404                   |                        | 8.410829       |                         |
| 14      | 3     | 15          | 51.6             | 1055                   | 1724                   | 8.964378       |                         |
| 15      | 2     | 5           | 64.3             | 1759                   |                        | 9.941445       |                         |
| 16      | 2     | 15          | 69               | 1671                   |                        | 10.249382      |                         |
| 17      | 2     | 7           | 87.7             | 1707                   |                        | 10.868597      |                         |
| 18      | 3     | 16          | 78.7             | 1903                   | 1693                   | 11.83965       |                         |

## Bin5 Statistics 14

CF=5584MHz

| Trial # | Pulse | Chirp (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          | 58.4             |                        |                        | 0.479377       | 1                       |
| 1       | 2     | 19          | 66.8             | 1709                   |                        | 1.202422       |                         |
| 2       | 1     | 12          | 63.8             |                        |                        | 1.85938        |                         |
| 3       | 2     | 17          | 76.9             | 1831                   |                        | 2.883723       |                         |
| 4       | 1     | 7           | 60.9             |                        |                        | 3.094004       |                         |
| 5       | 2     | 17          | 62.6             | 1974                   |                        | 4.344683       |                         |
| 6       | 2     | 11          | 73.8             | 1834                   |                        | 4.858538       |                         |
| 7       | 2     | 16          | 80.8             | 1530                   |                        | 5.662031       |                         |
| 8       | 2     | 19          | 85.1             | 1542                   |                        | 6.540196       |                         |
| 9       | 2     | 15          | 55.9             | 1826                   |                        | 6.868467       |                         |
| 10      | 2     | 10          | 81.9             | 1063                   |                        | 7.562331       |                         |
| 11      | 3     | 8           | 89.7             | 1983                   | 1682                   | 8.597405       |                         |
| 12      | 2     | 8           | 53.2             | 1898                   |                        | 9.393778       |                         |
| 13      | 1     | 11          | 81.9             |                        |                        | 10.160194      |                         |
| 14      | 2     | 13          | 54.6             | 1607                   |                        | 10.769607      |                         |
| 15      | 2     | 19          | 83.7             | 1935                   |                        | 11.59785       |                         |

## Bin5 Statistics 15

CF=5586MHz

| Trial # | Pulse | Chirp (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           | 93.7             |                        |                        | 0.533416       | 1                       |
| 1       | 2     | 7           | 79.1             | 1953                   |                        | 1.174706       |                         |
| 2       | 1     | 6           | 97.2             |                        |                        | 1.610126       |                         |
| 3       | 2     | 20          | 96.5             | 1194                   |                        | 2.58132        |                         |
| 4       | 1     | 19          | 81               |                        |                        | 2.968095       |                         |
| 5       | 2     | 7           | 61               | 1944                   |                        | 3.616976       |                         |
| 6       | 2     | 9           | 82.4             | 1127                   |                        | 4.269863       |                         |
| 7       | 1     | 18          | 72.4             |                        |                        | 4.844233       |                         |
| 8       | 1     | 8           | 85.7             |                        |                        | 5.699615       |                         |
| 9       | 1     | 18          | 56.9             |                        |                        | 6.065754       |                         |
| 10      | 3     | 8           | 93.4             | 1474                   | 1961                   | 6.868967       |                         |
| 11      | 3     | 16          | 67               | 1388                   | 1887                   | 7.448067       |                         |
| 12      | 2     | 12          | 55               | 1649                   |                        | 8.482504       |                         |
| 13      | 2     | 19          | 54.3             | 1600                   |                        | 8.773301       |                         |
| 14      | 2     | 10          | 63.3             | 1982                   |                        | 9.399393       |                         |
| 15      | 2     | 7           | 57.2             | 1394                   |                        | 10.405062      |                         |
| 16      | 2     | 15          | 79.7             | 1084                   |                        | 11.274786      |                         |
| 17      | 2     | 16          | 94.9             | 1555                   |                        | 11.895697      |                         |

## Bin5 Statistics 16

CF=5585MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 1     | 12          | 74.8             |                        |                        | 0.322578       | 1                       |
| 1       | 2     | 10          | 90.7             | 1518                   |                        | 0.786289       |                         |
| 2       | 2     | 10          | 52.3             | 1888                   |                        | 2.108942       |                         |
| 3       | 3     | 15          | 71.8             | 1375                   | 1170                   | 2.222921       |                         |
| 4       | 2     | 17          | 53.1             | 1684                   |                        | 2.985941       |                         |
| 5       | 2     | 13          | 56               | 1686                   |                        | 3.711261       |                         |
| 6       | 3     | 12          | 86.1             | 1527                   | 1275                   | 4.263299       |                         |
| 7       | 2     | 7           | 79.6             | 1754                   |                        | 5.077696       |                         |
| 8       | 1     | 16          | 70.7             |                        |                        | 5.86113        |                         |
| 9       | 3     | 7           | 84.3             | 1922                   | 1683                   | 6.804682       |                         |
| 10      | 2     | 9           | 73.7             | 1951                   |                        | 7.701285       |                         |
| 11      | 2     | 6           | 91.1             | 1262                   |                        | 8.250578       |                         |
| 12      | 2     | 17          | 50.9             | 1023                   |                        | 8.648618       |                         |
| 13      | 1     | 15          | 85.7             |                        |                        | 9.432767       |                         |
| 14      | 3     | 17          | 54.1             | 1276                   | 1952                   | 10.382915      |                         |
| 15      | 3     | 14          | 88.9             | 1555                   | 1186                   | 11.143802      |                         |
| 16      | 1     | 16          | 64.9             |                        |                        | 11.77625       |                         |

## Bin5 Statistics 17

CF=5576MHz

| Trial # | Pulse | Chirp (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           | 95.1             | 1723                   |                        | 0.476717       | 1                       |
| 1       | 2     | 14          | 57.6             | 1135                   |                        | 1.696958       |                         |
| 2       | 2     | 16          | 82.7             | 1972                   |                        | 2.682323       |                         |
| 3       | 3     | 9           | 98.5             | 1866                   | 1533                   | 3.428723       |                         |
| 4       | 2     | 18          | 77.5             | 1103                   |                        | 3.860945       |                         |
| 5       | 3     | 15          | 98.2             | 1733                   | 1133                   | 4.794876       |                         |
| 6       | 2     | 19          | 84.2             | 1129                   |                        | 5.918388       |                         |
| 7       | 1     | 16          | 89.8             |                        |                        | 6.514394       |                         |
| 8       | 2     | 9           | 68.7             | 1202                   |                        | 7.942587       |                         |
| 9       | 1     | 8           | 76               |                        |                        | 8.560721       |                         |
| 10      | 1     | 6           | 92.2             |                        |                        | 9.426732       |                         |
| 11      | 2     | 13          | 55.2             | 1956                   |                        | 10.647408      |                         |
| 12      | 2     | 18          | 66.3             | 1406                   |                        | 11.952221      |                         |

## Bin5 Statistics 18

CF=5571MHz

| Trial # | Pulse | Chirp (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          | 54.4             |                        |                        | 0.740263       | 1                       |
| 1       | 1     | 18          | 79.1             |                        |                        | 1.059825       |                         |
| 2       | 1     | 14          | 76.2             |                        |                        | 2.711342       |                         |
| 3       | 1     | 5           | 70.5             |                        |                        | 3.969702       |                         |
| 4       | 2     | 9           | 73.7             | 1828                   |                        | 4.374337       |                         |
| 5       | 3     | 10          | 86.3             | 1568                   | 1270                   | 5.228595       |                         |
| 6       | 2     | 13          | 72.8             | 1255                   |                        | 6.988337       |                         |
| 7       | 3     | 9           | 83.2             | 1359                   | 1281                   | 7.071415       |                         |
| 8       | 1     | 13          | 97.9             |                        |                        | 8.507996       |                         |
| 9       | 3     | 19          | 52.8             | 1666                   | 1769                   | 9.179501       |                         |
| 10      | 3     | 10          | 82               | 1337                   | 1232                   | 10.338652      |                         |
| 11      | 2     | 10          | 86.8             | 1784                   |                        | 11.958704      |                         |

## Bin5 Statistics 19

CF=5584MHz

| Trial # | Pulse | Chirp (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          | 71.5             | 1085                   |                        | 0.200423       | 1                       |
| 1       | 2     | 10          | 70.2             | 1061                   |                        | 1.121922       |                         |
| 2       | 2     | 7           | 93.3             | 1805                   |                        | 1.438391       |                         |
| 3       | 1     | 17          | 95.3             |                        |                        | 2.029729       |                         |
| 4       | 2     | 8           | 64               | 1485                   |                        | 3.192075       |                         |
| 5       | 2     | 8           | 57.5             | 1086                   |                        | 3.778899       |                         |
| 6       | 3     | 9           | 66.3             | 1096                   | 1055                   | 4.647933       |                         |
| 7       | 1     | 16          | 50.9             |                        |                        | 4.868494       |                         |
| 8       | 3     | 11          | 56               | 1331                   | 1128                   | 5.937986       |                         |
| 9       | 3     | 16          | 80.9             | 1672                   | 1475                   | 6.584918       |                         |
| 10      | 1     | 12          | 53.5             |                        |                        | 7.173541       |                         |
| 11      | 1     | 17          | 97               |                        |                        | 7.498481       |                         |
| 12      | 2     | 19          | 84.2             | 1266                   |                        | 8.581713       |                         |
| 13      | 2     | 14          | 64.9             | 1073                   |                        | 8.752905       |                         |
| 14      | 1     | 12          | 79.6             |                        |                        | 9.614088       |                         |
| 15      | 2     | 8           | 76.8             | 1061                   |                        | 10.662402      |                         |
| 16      | 1     | 10          | 62               |                        |                        | 11.231149      |                         |
| 17      | 2     | 13          | 63.5             | 1519                   |                        | 11.407437      |                         |

Bin5 Statistics 20

CF=5570MHz

| Trial # | Pulse | Chirp (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          | 53.4             |                        |                        | 0.484101       | 1                       |
| 1       | 3     | 6           | 99.1             | 1227                   | 1430                   | 1.255336       |                         |
| 2       | 2     | 15          | 82.6             | 1420                   |                        | 1.822124       |                         |
| 3       | 2     | 7           | 72.7             | 1339                   |                        | 2.544623       |                         |
| 4       | 1     | 12          | 76.3             |                        |                        | 2.895545       |                         |
| 5       | 2     | 8           | 70.3             | 1984                   |                        | 3.658247       |                         |
| 6       | 1     | 10          | 50.2             |                        |                        | 4.611085       |                         |
| 7       | 2     | 16          | 52.8             | 1410                   |                        | 5.141117       |                         |
| 8       | 2     | 8           | 57.6             | 1398                   |                        | 5.594041       |                         |
| 9       | 3     | 10          | 91               | 1436                   | 1830                   | 6.510558       |                         |
| 10      | 3     | 7           | 55.1             | 1970                   | 1629                   | 7.067308       |                         |
| 11      | 1     | 7           | 86.9             |                        |                        | 7.753565       |                         |
| 12      | 1     | 19          | 57.6             |                        |                        | 8.659948       |                         |
| 13      | 2     | 14          | 98.5             | 1460                   |                        | 8.916153       |                         |
| 14      | 2     | 17          | 76.6             | 1424                   |                        | 9.660074       |                         |
| 15      | 1     | 9           | 62.3             |                        |                        | 10.005773      |                         |
| 16      | 3     | 5           | 81               | 1443                   | 1639                   | 11.261259      |                         |
| 17      | 2     | 17          | 77.1             | 1693                   |                        | 11.389543      |                         |

## Bin5 Statistics 21

CF=5573MHz

| Trial # | Pulse | Chirp (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          | 66.6             | 1390                   |                        | 0.086949       | 1                       |
| 1       | 1     | 11          | 74.1             |                        |                        | 0.790657       |                         |
| 2       | 3     | 6           | 76               | 1604                   | 1692                   | 1.677666       |                         |
| 3       | 1     | 11          | 73.9             |                        |                        | 2.498809       |                         |
| 4       | 2     | 12          | 80.9             | 1738                   |                        | 3.358776       |                         |
| 5       | 3     | 12          | 94.2             | 1254                   | 1385                   | 3.888119       |                         |
| 6       | 2     | 6           | 51.5             | 1929                   |                        | 4.672778       |                         |
| 7       | 2     | 12          | 81.4             | 1670                   |                        | 5.63817        |                         |
| 8       | 3     | 9           | 73.5             | 1223                   | 1002                   | 6.022772       |                         |
| 9       | 2     | 14          | 85.2             | 1349                   |                        | 7.045206       |                         |
| 10      | 2     | 12          | 94.7             | 1441                   |                        | 7.083258       |                         |
| 11      | 1     | 20          | 69.5             |                        |                        | 8.308691       |                         |
| 12      | 1     | 15          | 70.2             |                        |                        | 8.904003       |                         |
| 13      | 2     | 8           | 60.7             | 1534                   |                        | 9.248511       |                         |
| 14      | 1     | 13          | 55.5             |                        |                        | 10.195954      |                         |
| 15      | 1     | 18          | 50.1             |                        |                        | 11.103245      |                         |
| 16      | 1     | 9           | 56.3             |                        |                        | 11.370114      |                         |

## Bin5 Statistics 22

CF=5574MHz

| Trial # | Pulse | Chirp (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          | 63.7             | 1524                   | 1078                   | 0.189637       | 1                       |
| 1       | 3     | 13          | 97.5             | 1449                   | 1444                   | 2.172684       |                         |
| 2       | 2     | 5           | 94.2             | 1272                   |                        | 3.167561       |                         |
| 3       | 3     | 16          | 91.6             | 1734                   | 1407                   | 4.951105       |                         |
| 4       | 2     | 19          | 97.9             | 1251                   |                        | 6.420021       |                         |
| 5       | 2     | 15          | 90.8             | 1114                   |                        | 6.829337       |                         |
| 6       | 2     | 9           | 63.3             | 1668                   |                        | 9.01895        |                         |
| 7       | 2     | 6           | 85.5             | 1609                   |                        | 10.150845      |                         |
| 8       | 3     | 6           | 63.5             | 1273                   | 1372                   | 11.588513      |                         |

## Bin5 Statistics 23

CF=5584MHz

| Trial # | Pulse | Chirp (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           | 61.7             | 1419                   | 1041                   | 0.140921       | 1                       |
| 1       | 2     | 8           | 75.2             | 1032                   |                        | 2.857939       |                         |
| 2       | 2     | 14          | 63.7             | 1669                   |                        | 4.05907        |                         |
| 3       | 1     | 6           | 91               |                        |                        | 4.958768       |                         |
| 4       | 3     | 17          | 87.5             | 1467                   | 1554                   | 6.250256       |                         |
| 5       | 2     | 20          | 57.6             | 1242                   |                        | 8.339764       |                         |
| 6       | 1     | 18          | 65.2             |                        |                        | 9.058833       |                         |
| 7       | 2     | 11          | 63.8             | 1912                   |                        | 10.743685      |                         |

## Bin5 Statistics 24

CF=5584MHz

| Trial # | Pulse | Chirp (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             | 1497                   | 1392                   | 0.304723       | 1                       |
| 1       | 3     | 5           | 65.3             | 1340                   | 1646                   | 0.970778       |                         |
| 2       | 1     | 17          | 58.3             |                        |                        | 1.447421       |                         |
| 3       | 2     | 14          | 52.1             | 1030                   |                        | 2.653088       |                         |
| 4       | 3     | 8           | 72.5             | 1756                   | 1887                   | 3.403829       |                         |
| 5       | 3     | 17          | 90.3             | 1201                   | 1222                   | 3.678465       |                         |
| 6       | 1     | 17          | 95.4             |                        |                        | 4.358255       |                         |
| 7       | 2     | 15          | 87.8             | 1180                   |                        | 5.172443       |                         |
| 8       | 2     | 20          | 75.2             | 1972                   |                        | 5.833531       |                         |
| 9       | 2     | 10          | 58.6             | 1928                   |                        | 6.354274       |                         |
| 10      | 3     | 17          | 61.6             | 1488                   | 1647                   | 7.297287       |                         |
| 11      | 2     | 13          | 55               | 1581                   |                        | 7.877371       |                         |
| 12      | 2     | 7           | 55.8             | 1999                   |                        | 8.785681       |                         |
| 13      | 2     | 11          | 50.1             | 1908                   |                        | 9.376684       |                         |
| 14      | 2     | 18          | 74.4             | 1500                   |                        | 10.036688      |                         |
| 15      | 2     | 7           | 80.6             | 1699                   |                        | 11.241716      |                         |
| 16      | 2     | 7           | 61.7             | 1943                   |                        | 11.372102      |                         |



## Bin5 Statistics 25

CF=5570MHz

| Trial # | Pulse | Chirp (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          | 56.2             |                        |                        | 0.002351       | 1                       |
| 1       | 1     | 8           | 58.2             |                        |                        | 1.364622       |                         |
| 2       | 3     | 8           | 72.3             | 1067                   | 1565                   | 2.440715       |                         |
| 3       | 2     | 6           | 81.4             | 1865                   |                        | 3.305375       |                         |
| 4       | 3     | 10          | 67.6             | 1763                   | 1135                   | 4.54662        |                         |
| 5       | 1     | 15          | 72.4             |                        |                        | 5.574442       |                         |
| 6       | 2     | 12          | 91.5             | 1325                   |                        | 6.856805       |                         |
| 7       | 2     | 19          | 85.7             | 1565                   |                        | 7.749796       |                         |
| 8       | 1     | 19          | 67.9             |                        |                        | 8.94152        |                         |
| 9       | 3     | 8           | 76.3             | 1246                   | 1288                   | 9.671633       |                         |
| 10      | 2     | 11          | 73.6             | 1262                   |                        | 10.574559      |                         |
| 11      | 2     | 17          | 81.8             | 1577                   |                        | 11.917796      |                         |

## Bin5 Statistics 26

CF=5572MHz

| Trial # | Pulse | Chirp (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           | 62.3             |                        |                        | 0.067254       | 1                       |
| 1       | 2     | 13          | 79.8             | 1486                   |                        | 2.060225       |                         |
| 2       | 1     | 14          | 51.5             |                        |                        | 3.019545       |                         |
| 3       | 1     | 16          | 82.5             |                        |                        | 4.948262       |                         |
| 4       | 3     | 20          | 80.2             | 1960                   | 1508                   | 6.532037       |                         |
| 5       | 1     | 14          | 63.2             |                        |                        | 7.471135       |                         |
| 6       | 2     | 8           | 63.4             | 1701                   |                        | 9.178945       |                         |
| 7       | 2     | 5           | 57.4             | 1386                   |                        | 9.690478       |                         |
| 8       | 1     | 13          | 85.3             |                        |                        | 11.196612      |                         |

## Bin5 Statistics 27

CF=5573MHz

| Trial # | Pulse | Chirp (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          | 61.8             | 1487                   |                        | 0.497952       | 1                       |
| 1       | 3     | 20          | 74.4             | 1434                   | 1063                   | 1.133198       |                         |
| 2       | 2     | 7           | 87.2             | 1942                   |                        | 2.41618        |                         |
| 3       | 3     | 17          | 70.6             | 1954                   | 1860                   | 3.359915       |                         |
| 4       | 2     | 6           | 77.2             | 1693                   |                        | 3.771343       |                         |
| 5       | 2     | 8           | 78.8             | 1332                   |                        | 4.432815       |                         |
| 6       | 2     | 17          | 52.7             | 1261                   |                        | 5.337414       |                         |
| 7       | 3     | 10          | 99.1             | 1955                   | 1623                   | 6.240193       |                         |
| 8       | 2     | 12          | 50.6             | 1196                   |                        | 7.698831       |                         |
| 9       | 2     | 14          | 56.3             | 1256                   |                        | 8.566759       |                         |
| 10      | 2     | 18          | 70.9             | 1678                   |                        | 8.660815       |                         |
| 11      | 1     | 13          | 66.4             |                        |                        | 10.158154      |                         |
| 12      | 2     | 6           | 89.4             | 1969                   |                        | 10.454233      |                         |
| 13      | 3     | 10          | 72.2             | 1742                   | 1873                   | 11.988445      |                         |

## Bin5 Statistics 28

CF=5576MHz

| Trial # | Pulse | Chirp (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           | 63.1             |                        |                        | 0.393449       | 1                       |
| 1       | 2     | 18          | 98.6             | 1269                   |                        | 1.418063       |                         |
| 2       | 2     | 16          | 68.3             | 1519                   |                        | 1.878332       |                         |
| 3       | 1     | 6           | 72               |                        |                        | 3.083486       |                         |
| 4       | 2     | 17          | 89               | 1375                   |                        | 3.81409        |                         |
| 5       | 3     | 17          | 83.5             | 1116                   | 1178                   | 4.138458       |                         |
| 6       | 1     | 15          | 55.4             |                        |                        | 5.475114       |                         |
| 7       | 2     | 8           | 94.6             | 1739                   |                        | 5.858622       |                         |
| 8       | 3     | 7           | 75.6             | 1232                   | 1715                   | 6.57988        |                         |
| 9       | 1     | 12          | 99.9             |                        |                        | 7.739877       |                         |
| 10      | 2     | 16          | 56.8             | 1367                   |                        | 8.179345       |                         |
| 11      | 3     | 14          | 94.2             | 1893                   | 1609                   | 8.922947       |                         |
| 12      | 2     | 6           | 99.2             | 1996                   |                        | 10.223181      |                         |
| 13      | 3     | 15          | 90.9             | 1954                   | 1045                   | 11.092235      |                         |
| 14      | 2     | 18          | 57.9             | 1264                   |                        | 11.434392      |                         |

## Bin5 Statistics 29

CF=5572MHz

| Trial # | Pulse | Chirp (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          | 63               |                        |                        | 1.22006        | 1                       |
| 1       | 1     | 6           | 63.8             |                        |                        | 2.576084       |                         |
| 2       | 3     | 16          | 90.8             | 1410                   | 1258                   | 3.089412       |                         |
| 3       | 1     | 15          | 51.2             |                        |                        | 4.546979       |                         |
| 4       | 2     | 9           | 52.4             | 1532                   |                        | 6.410706       |                         |
| 5       | 3     | 20          | 74.5             | 1772                   | 1972                   | 6.843233       |                         |
| 6       | 1     | 16          | 67.8             |                        |                        | 9.312683       |                         |
| 7       | 2     | 10          | 94.2             | 1667                   |                        | 9.785346       |                         |
| 8       | 3     | 10          | 92.5             | 1518                   | 1245                   | 11.80267       |                         |

## Bin5 Statistics 30

CF=5586MHz

| Trial # | Pulse | Chirp (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           | 73.7             |                        |                        | 0.24982        | 1                       |
| 1       | 1     | 15          | 58               |                        |                        | 0.874474       |                         |
| 2       | 3     | 17          | 72.4             | 1316                   | 1347                   | 1.997171       |                         |
| 3       | 2     | 17          | 96.5             | 1814                   |                        | 2.783064       |                         |
| 4       | 2     | 12          | 85.6             | 1471                   |                        | 3.94966        |                         |
| 5       | 2     | 17          | 81.4             | 1509                   |                        | 4.373494       |                         |
| 6       | 3     | 18          | 98.7             | 1948                   | 1052                   | 5.159178       |                         |
| 7       | 3     | 14          | 86.2             | 1674                   | 1940                   | 6.118467       |                         |
| 8       | 1     | 8           | 86.9             |                        |                        | 6.481177       |                         |
| 9       | 1     | 15          | 63.8             |                        |                        | 7.388567       |                         |
| 10      | 2     | 12          | 58.2             | 1956                   |                        | 8.094552       |                         |
| 11      | 2     | 8           | 84.1             | 1410                   |                        | 9.000803       |                         |
| 12      | 3     | 14          | 88.9             | 1379                   | 1501                   | 10.339921      |                         |
| 13      | 1     | 19          | 78.9             |                        |                        | 10.459314      |                         |
| 14      | 2     | 7           | 81.7             | 1290                   |                        | 11.823797      |                         |

**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              | 5580            | 9                   | 1                       | 333             | 1                              | 5550.0, 5311.0, 5315.0, 5709.0, 5396.0, 5388.0, 5306.0, 5530.0, 5397.0, 5489.0, 5497.0, 5320.0, 5488.0, 5627.0, 5721.0, 5678.0, 5373.0, 5571.0, 5305.0, 5450.0, 5325.0, 5545.0, 5268.0, 5285.0, 5363.0, 5260.0, 5294.0, 5560.0, 5459.0, 5492.0, 5431.0, 5673.0, 5298.0, 5630.0, 5323.0, 5502.0, 5321.0, 5352.0, 5267.0, 5563.0, 5703.0, 5723.0, 5361.0, 5464.0, 5504.0, 5572.0, 5516.0, 5264.0, 5704.0, 5436.0, 5281.0, 5558.0, 5684.0, 5532.0, 5485.0, 5274.0, 5628.0, 5410.0, 5578.0, 5415.0, 5629.0, 5453.0, 5277.0, 5614.0, 5259.0, 5591.0, 5254.0, 5570.0, 5518.0, 5512.0, 5574.0, 5411.0, 5438.0, 5474.0, 5251.0, 5708.0, 5457.0, 5350.0, 5547.0, 5600.0, 5355.0, 5371.0, 5437.0, 5393.0, 5466.0, 5383.0, 5354.0, 5509.0, 5368.0, 5347.0, 5303.0, 5594.0, 5694.0, 5269.0, 5255.0, 5706.0, 5319.0, 5686.0, 5675.0, 5484.0<br>(number of hits: 5 ) |
| 2              | 5580            | 9                   | 1                       | 333             | 1                              | 5400.0, 5645.0, 5446.0, 5362.0, 5369.0, 5672.0, 5691.0, 5330.0, 5452.0, 5274.0, 5405.0, 5315.0, 5272.0, 5591.0, 5344.0, 5440.0, 5456.0, 5594.0, 5506.0, 5602.0, 5548.0, 5463.0, 5354.0, 5620.0, 5429.0, 5353.0, 5417.0, 5333.0, 5473.0, 5430.0, 5641.0, 5555.0, 5654.0, 5551.0, 5612.0, 5256.0, 5398.0, 5439.0, 5580.0, 5650.0, 5286.0, 5563.0, 5686.0, 5609.0, 5496.0, 5502.0, 5298.0, 5367.0, 5391.0, 5431.0, 5568.0, 5564.0, 5603.0, 5373.0, 5664.0, 5349.0, 5271.0, 5547.0, 5498.0, 5605.0, 5402.0, 5693.0, 5442.0, 5724.0, 5553.0, 5526.0, 5392.0, 5343.0, 5294.0, 5615.0, 5273.0, 5376.0, 5386.0, 5587.0, 5559.0, 5512.0, 5682.0, 5361.0, 5717.0, 5332.0, 5331.0, 5534.0, 5277.0, 5692.0, 5478.0, 5357.0, 5465.0, 5371.0, 5403.0, 5251.0, 5358.0, 5661.0, 5683.0, 5584.0, 5306.0, 5492.0, 5485.0, 5408.0, 5412.0, 5671.0<br>(number of hits: 3 ) |
| 3              | 5580            | 9                   | 1                       | 333             | 1                              | 5470.0, 5499.0, 5543.0, 5465.0, 5267.0, 5318.0, 5344.0, 5692.0, 5695.0, 5714.0, 5660.0, 5577.0, 5645.0, 5333.0, 5481.0, 5622.0, 5448.0, 5279.0, 5321.0, 5560.0, 5678.0, 5399.0, 5341.0, 5428.0, 5627.0, 5346.0, 5546.0, 5639.0, 5590.0, 5662.0, 5611.0, 5626.0, 5278.0, 5592.0, 5329.0, 5583.0, 5607.0, 5256.0, 5405.0, 5449.0, 5468.0, 5486.0, 5683.0, 5466.0, 5665.0, 5605.0, 5464.0, 5304.0, 5540.0, 5435.0, 5675.0, 5417.0, 5331.0, 5406.0, 5480.0, 5710.0, 5445.0, 5482.0, 5419.0, 5693.0, 5517.0, 5542.0, 5513.0, 5306.0, 5355.0,                                                                                                                                                                                                                                                                                                                |

|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 5436.0, 5290.0, 5539.0, 5706.0, 5375.0, 5617.0, 5510.0, 5288.0, 5530.0, 5472.0, 5601.0, 5551.0, 5713.0, 5300.0, 5479.0, 5512.0, 5418.0, 5297.0, 5655.0, 5293.0, 5456.0, 5390.0, 5597.0, 5334.0, 5657.0, 5424.0, 5654.0, 5389.0, 5463.0, 5628.0, 5315.0, 5612.0, 5500.0, 5276.0, 5582.0<br>(number of hits: 3 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4 | 5580 | 9 | 1 | 333 | 1 | 5309.0, 5520.0, 5305.0, 5564.0, 5337.0, 5504.0, 5313.0, 5479.0, 5323.0, 5632.0, 5302.0, 5401.0, 5684.0, 5353.0, 5476.0, 5537.0, 5638.0, 5379.0, 5290.0, 5483.0, 5580.0, 5667.0, 5501.0, 5259.0, 5271.0, 5687.0, 5669.0, 5634.0, 5306.0, 5382.0, 5631.0, 5320.0, 5603.0, 5568.0, 5457.0, 5713.0, 5705.0, 5700.0, 5540.0, 5590.0, 5640.0, 5383.0, 5566.0, 5672.0, 5629.0, 5473.0, 5525.0, 5258.0, 5360.0, 5607.0, 5261.0, 5598.0, 5535.0, 5670.0, 5594.0, 5484.0, 5452.0, 5532.0, 5528.0, 5284.0, 5552.0, 5365.0, 5332.0, 5372.0, 5563.0, 5595.0, 5567.0, 5400.0, 5530.0, 5252.0, 5630.0, 5471.0, 5455.0, 5597.0, 5330.0, 5359.0, 5616.0, 5482.0, 5516.0, 5487.0, 5544.0, 5389.0, 5707.0, 5698.0, 5635.0, 5694.0, 5472.0, 5654.0, 5279.0, 5288.0, 5619.0, 5485.0, 5704.0, 5584.0, 5308.0, 5562.0, 5327.0, 5556.0, 5390.0, 5328.0<br>(number of hits: 2 ) |
| 5 | 5580 | 9 | 1 | 333 | 1 | 5694.0, 5487.0, 5271.0, 5619.0, 5523.0, 5490.0, 5644.0, 5582.0, 5680.0, 5682.0, 5673.0, 5399.0, 5611.0, 5402.0, 5648.0, 5566.0, 5296.0, 5480.0, 5438.0, 5708.0, 5650.0, 5660.0, 5346.0, 5557.0, 5325.0, 5575.0, 5663.0, 5589.0, 5386.0, 5588.0, 5327.0, 5419.0, 5496.0, 5477.0, 5369.0, 5295.0, 5405.0, 5448.0, 5603.0, 5331.0, 5446.0, 5717.0, 5517.0, 5297.0, 5617.0, 5699.0, 5396.0, 5278.0, 5254.0, 5337.0, 5450.0, 5580.0, 5367.0, 5268.0, 5714.0, 5723.0, 5443.0, 5519.0, 5504.0, 5365.0, 5581.0, 5536.0, 5512.0, 5578.0, 5604.0, 5612.0, 5267.0, 5634.0, 5488.0, 5377.0, 5587.0, 5521.0, 5591.0, 5412.0, 5540.0, 5712.0, 5671.0, 5314.0, 5508.0, 5464.0, 5559.0, 5690.0, 5556.0, 5451.0, 5531.0, 5428.0, 5597.0, 5358.0, 5459.0, 5457.0, 5565.0, 5543.0, 5654.0, 5340.0, 5454.0, 5318.0, 5677.0, 5404.0, 5553.0, 5420.0<br>(number of hits: 8 ) |
| 6 | 5580 | 9 | 1 | 333 | 1 | 5466.0, 5627.0, 5623.0, 5261.0, 5350.0, 5393.0, 5615.0, 5405.0, 5535.0, 5524.0, 5593.0, 5425.0, 5430.0, 5414.0, 5378.0, 5720.0, 5690.0, 5538.0, 5364.0, 5372.0, 5640.0, 5518.0, 5712.0, 5516.0, 5580.0, 5266.0, 5270.0, 5480.0, 5302.0, 5564.0, 5440.0, 5553.0, 5626.0, 5281.0, 5483.0, 5517.0, 5608.0, 5434.0, 5346.0, 5641.0, 5257.0, 5585.0, 5401.0, 5271.0, 5723.0, 5329.0, 5441.0, 5415.0, 5326.0, 5260.0,                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 5450.0, 5464.0, 5275.0, 5330.0, 5686.0, 5343.0, 5687.0, 5263.0, 5645.0, 5444.0, 5362.0, 5536.0, 5481.0, 5498.0, 5298.0, 5325.0, 5313.0, 5539.0, 5671.0, 5634.0, 5611.0, 5604.0, 5597.0, 5648.0, 5701.0, 5354.0, 5541.0, 5259.0, 5276.0, 5345.0, 5595.0, 5383.0, 5459.0, 5654.0, 5391.0, 5316.0, 5669.0, 5682.0, 5471.0, 5558.0, 5573.0, 5426.0, 5288.0, 5625.0, 5307.0, 5706.0, 5632.0, 5297.0, 5531.0, 5418.0<br>(number of hits: 3 )                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 7 | 5580 | 9 | 1 | 333 | 1 | 5619.0, 5564.0, 5370.0, 5285.0, 5314.0, 5498.0, 5441.0, 5455.0, 5618.0, 5268.0, 5364.0, 5425.0, 5307.0, 5592.0, 5594.0, 5483.0, 5383.0, 5717.0, 5378.0, 5720.0, 5360.0, 5270.0, 5528.0, 5271.0, 5614.0, 5661.0, 5674.0, 5705.0, 5343.0, 5374.0, 5472.0, 5462.0, 5559.0, 5543.0, 5684.0, 5341.0, 5566.0, 5423.0, 5690.0, 5465.0, 5330.0, 5445.0, 5687.0, 5545.0, 5368.0, 5403.0, 5478.0, 5487.0, 5627.0, 5534.0, 5252.0, 5653.0, 5673.0, 5309.0, 5262.0, 5435.0, 5432.0, 5716.0, 5457.0, 5485.0, 5626.0, 5631.0, 5382.0, 5258.0, 5699.0, 5266.0, 5278.0, 5623.0, 5538.0, 5601.0, 5491.0, 5429.0, 5671.0, 5430.0, 5398.0, 5325.0, 5272.0, 5556.0, 5335.0, 5257.0, 5392.0, 5681.0, 5540.0, 5574.0, 5620.0, 5440.0, 5255.0, 5431.0, 5303.0, 5586.0, 5349.0, 5356.0, 5572.0, 5265.0, 5509.0, 5700.0, 5723.0, 5581.0, 5412.0, 5494.0<br>(number of hits: 4 ) |
| 8 | 5580 | 9 | 1 | 333 | 1 | 5710.0, 5560.0, 5396.0, 5353.0, 5444.0, 5557.0, 5412.0, 5585.0, 5334.0, 5523.0, 5537.0, 5351.0, 5295.0, 5447.0, 5319.0, 5411.0, 5528.0, 5408.0, 5446.0, 5509.0, 5424.0, 5326.0, 5410.0, 5577.0, 5645.0, 5359.0, 5325.0, 5481.0, 5535.0, 5701.0, 5347.0, 5518.0, 5296.0, 5360.0, 5496.0, 5312.0, 5639.0, 5332.0, 5538.0, 5697.0, 5384.0, 5305.0, 5450.0, 5366.0, 5322.0, 5721.0, 5315.0, 5338.0, 5526.0, 5504.0, 5561.0, 5445.0, 5662.0, 5660.0, 5294.0, 5363.0, 5629.0, 5377.0, 5683.0, 5715.0, 5712.0, 5252.0, 5432.0, 5520.0, 5503.0, 5691.0, 5579.0, 5699.0, 5633.0, 5596.0, 5681.0, 5414.0, 5650.0, 5323.0, 5356.0, 5455.0, 5709.0, 5498.0, 5403.0, 5299.0, 5632.0, 5573.0, 5478.0, 5381.0, 5358.0, 5395.0, 5635.0, 5466.0, 5423.0, 5625.0, 5391.0, 5280.0, 5335.0, 5530.0, 5425.0, 5663.0, 5521.0, 5604.0, 5567.0, 5713.0<br>(number of hits: 4 ) |
| 9 | 5580 | 9 | 1 | 333 | 1 | 5642.0, 5703.0, 5360.0, 5544.0, 5702.0, 5374.0, 5657.0, 5284.0, 5655.0, 5345.0, 5484.0, 5559.0, 5697.0, 5336.0, 5640.0, 5456.0, 5330.0, 5588.0, 5645.0, 5400.0, 5541.0, 5291.0, 5391.0, 5448.0, 5401.0, 5341.0, 5310.0, 5289.0, 5582.0, 5607.0, 5713.0, 5685.0, 5387.0, 5628.0, 5390.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5405.0, 5465.0, 5637.0, 5515.0, 5514.0, 5492.0, 5427.0, 5402.0, 5398.0, 5621.0, 5497.0, 5617.0, 5365.0, 5513.0, 5615.0, 5417.0, 5719.0, 5496.0, 5632.0, 5626.0, 5340.0, 5355.0, 5714.0, 5307.0, 5411.0, 5581.0, 5580.0, 5530.0, 5347.0, 5692.0, 5361.0, 5264.0, 5468.0, 5664.0, 5598.0, 5450.0, 5438.0, 5392.0, 5619.0, 5516.0, 5504.0, 5317.0, 5433.0, 5439.0, 5594.0, 5693.0, 5700.0, 5314.0, 5498.0, 5410.0, 5616.0, 5638.0, 5348.0, 5584.0, 5575.0, 5600.0, 5533.0, 5440.0, 5430.0, 5394.0, 5673.0, 5610.0, 5313.0, 5296.0, 5717.0<br>(number of hits: 6 )                                                                                                                                                                                                                                                                                         |
| 10 | 5580 | 9 | 1 | 333 | 1 | 5680.0, 5703.0, 5324.0, 5663.0, 5688.0, 5485.0, 5586.0, 5396.0, 5459.0, 5581.0, 5376.0, 5331.0, 5607.0, 5601.0, 5281.0, 5329.0, 5532.0, 5354.0, 5543.0, 5303.0, 5296.0, 5588.0, 5442.0, 5293.0, 5558.0, 5715.0, 5437.0, 5426.0, 5319.0, 5559.0, 5269.0, 5439.0, 5353.0, 5686.0, 5307.0, 5418.0, 5423.0, 5599.0, 5567.0, 5647.0, 5657.0, 5294.0, 5516.0, 5519.0, 5590.0, 5488.0, 5659.0, 5524.0, 5556.0, 5677.0, 5340.0, 5709.0, 5309.0, 5474.0, 5645.0, 5587.0, 5621.0, 5286.0, 5535.0, 5377.0, 5378.0, 5510.0, 5652.0, 5584.0, 5638.0, 5572.0, 5660.0, 5576.0, 5512.0, 5254.0, 5284.0, 5450.0, 5718.0, 5600.0, 5490.0, 5355.0, 5318.0, 5702.0, 5446.0, 5347.0, 5480.0, 5710.0, 5288.0, 5494.0, 5427.0, 5348.0, 5641.0, 5578.0, 5379.0, 5575.0, 5263.0, 5511.0, 5502.0, 5449.0, 5493.0, 5257.0, 5412.0, 5306.0, 5420.0, 5368.0<br>(number of hits: 9 ) |
| 11 | 5580 | 9 | 1 | 333 | 1 | 5413.0, 5375.0, 5399.0, 5443.0, 5373.0, 5538.0, 5700.0, 5691.0, 5497.0, 5554.0, 5366.0, 5656.0, 5570.0, 5327.0, 5724.0, 5272.0, 5386.0, 5428.0, 5314.0, 5468.0, 5644.0, 5321.0, 5265.0, 5616.0, 5439.0, 5403.0, 5685.0, 5323.0, 5714.0, 5588.0, 5665.0, 5558.0, 5684.0, 5472.0, 5409.0, 5467.0, 5498.0, 5593.0, 5614.0, 5642.0, 5675.0, 5579.0, 5417.0, 5259.0, 5507.0, 5543.0, 5647.0, 5664.0, 5251.0, 5671.0, 5369.0, 5456.0, 5567.0, 5537.0, 5633.0, 5297.0, 5709.0, 5654.0, 5518.0, 5723.0, 5339.0, 5624.0, 5718.0, 5275.0, 5451.0, 5657.0, 5296.0, 5569.0, 5441.0, 5473.0, 5626.0, 5514.0, 5337.0, 5358.0, 5679.0, 5512.0, 5433.0, 5489.0, 5712.0, 5397.0, 5449.0, 5461.0, 5585.0, 5342.0, 5425.0, 5394.0, 5546.0, 5299.0, 5485.0, 5583.0, 5673.0, 5365.0, 5511.0, 5492.0, 5302.0, 5501.0, 5486.0, 5697.0, 5535.0, 5649.0<br>(number of hits: 5 ) |
| 12 | 5580 | 9 | 1 | 333 | 1 | 5357.0, 5668.0, 5714.0, 5669.0, 5696.0, 5657.0, 5452.0, 5436.0, 5398.0, 5667.0, 5417.0, 5315.0, 5402.0, 5610.0, 5435.0, 5298.0, 5454.0, 5715.0, 5448.0, 5337.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5675.0, 5316.0, 5396.0, 5582.0, 5592.0, 5663.0, 5487.0, 5562.0, 5342.0, 5527.0, 5510.0, 5281.0, 5450.0, 5367.0, 5376.0, 5295.0, 5609.0, 5685.0, 5720.0, 5500.0, 5265.0, 5523.0, 5507.0, 5630.0, 5723.0, 5485.0, 5550.0, 5585.0, 5481.0, 5618.0, 5381.0, 5428.0, 5263.0, 5467.0, 5253.0, 5323.0, 5327.0, 5334.0, 5391.0, 5465.0, 5341.0, 5673.0, 5505.0, 5264.0, 5495.0, 5422.0, 5559.0, 5658.0, 5664.0, 5347.0, 5524.0, 5611.0, 5260.0, 5423.0, 5445.0, 5343.0, 5346.0, 5472.0, 5540.0, 5530.0, 5488.0, 5261.0, 5272.0, 5262.0, 5414.0, 5332.0, 5690.0, 5307.0, 5302.0, 5551.0, 5616.0, 5576.0, 5674.0, 5554.0, 5387.0, 5377.0, 5587.0, 5564.0, 5512.0, 5568.0<br>(number of hits: 4 )                                                                                                                                                                 |
| 13 | 5580 | 9 | 1 | 333 | 1 | 5494.0, 5474.0, 5564.0, 5506.0, 5424.0, 5457.0, 5275.0, 5383.0, 5293.0, 5445.0, 5694.0, 5302.0, 5611.0, 5516.0, 5403.0, 5412.0, 5713.0, 5646.0, 5395.0, 5582.0, 5360.0, 5619.0, 5385.0, 5509.0, 5394.0, 5702.0, 5426.0, 5476.0, 5441.0, 5578.0, 5524.0, 5299.0, 5251.0, 5638.0, 5307.0, 5273.0, 5337.0, 5390.0, 5562.0, 5408.0, 5612.0, 5339.0, 5387.0, 5407.0, 5591.0, 5585.0, 5663.0, 5314.0, 5265.0, 5704.0, 5650.0, 5606.0, 5571.0, 5629.0, 5641.0, 5354.0, 5389.0, 5310.0, 5502.0, 5625.0, 5393.0, 5471.0, 5667.0, 5325.0, 5276.0, 5514.0, 5610.0, 5258.0, 5442.0, 5377.0, 5475.0, 5473.0, 5499.0, 5515.0, 5300.0, 5440.0, 5698.0, 5673.0, 5391.0, 5320.0, 5280.0, 5367.0, 5615.0, 5511.0, 5595.0, 5259.0, 5420.0, 5658.0, 5479.0, 5656.0, 5550.0, 5449.0, 5657.0, 5319.0, 5598.0, 5261.0, 5366.0, 5436.0, 5465.0, 5312.0<br>(number of hits: 4 ) |
| 14 | 5580 | 9 | 1 | 333 | 1 | 5665.0, 5289.0, 5652.0, 5385.0, 5545.0, 5333.0, 5489.0, 5557.0, 5643.0, 5269.0, 5475.0, 5502.0, 5421.0, 5416.0, 5539.0, 5474.0, 5708.0, 5694.0, 5399.0, 5616.0, 5297.0, 5285.0, 5647.0, 5515.0, 5543.0, 5318.0, 5561.0, 5698.0, 5608.0, 5589.0, 5316.0, 5426.0, 5685.0, 5595.0, 5657.0, 5304.0, 5415.0, 5721.0, 5463.0, 5621.0, 5559.0, 5544.0, 5454.0, 5703.0, 5256.0, 5575.0, 5587.0, 5493.0, 5431.0, 5352.0, 5332.0, 5508.0, 5359.0, 5527.0, 5697.0, 5270.0, 5651.0, 5628.0, 5306.0, 5680.0, 5376.0, 5622.0, 5609.0, 5531.0, 5517.0, 5255.0, 5711.0, 5355.0, 5381.0, 5701.0, 5424.0, 5691.0, 5351.0, 5664.0, 5279.0, 5702.0, 5533.0, 5649.0, 5324.0, 5513.0, 5564.0, 5686.0, 5601.0, 5321.0, 5526.0, 5503.0, 5569.0, 5505.0, 5610.0, 5642.0, 5500.0, 5280.0, 5329.0, 5612.0, 5396.0, 5480.0, 5481.0, 5295.0, 5640.0, 5667.0<br>(number of hits: 3 ) |
| 15 | 5580 | 9 | 1 | 333 | 1 | 5649.0, 5257.0, 5454.0, 5487.0, 5327.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5263.0, 5369.0, 5611.0, 5265.0, 5594.0, 5686.0, 5507.0, 5349.0, 5338.0, 5463.0, 5331.0, 5592.0, 5387.0, 5566.0, 5333.0, 5388.0, 5694.0, 5254.0, 5357.0, 5305.0, 5703.0, 5617.0, 5410.0, 5363.0, 5570.0, 5602.0, 5365.0, 5271.0, 5568.0, 5406.0, 5464.0, 5652.0, 5713.0, 5591.0, 5519.0, 5564.0, 5370.0, 5397.0, 5666.0, 5557.0, 5531.0, 5613.0, 5377.0, 5435.0, 5615.0, 5627.0, 5664.0, 5366.0, 5316.0, 5412.0, 5511.0, 5291.0, 5268.0, 5320.0, 5719.0, 5477.0, 5317.0, 5443.0, 5505.0, 5514.0, 5308.0, 5672.0, 5579.0, 5270.0, 5669.0, 5688.0, 5687.0, 5653.0, 5601.0, 5491.0, 5628.0, 5255.0, 5297.0, 5307.0, 5355.0, 5565.0, 5599.0, 5332.0, 5278.0, 5300.0, 5492.0, 5347.0, 5515.0, 5626.0, 5311.0, 5287.0, 5647.0, 5453.0, 5479.0, 5335.0, 5344.0, 5533.0, 5273.0, 5373.0, 5574.0<br>(number of hits: 3 )                                         |
| 16 | 5580 | 9 | 1 | 333 | 1 | 5723.0, 5638.0, 5352.0, 5507.0, 5568.0, 5426.0, 5408.0, 5491.0, 5558.0, 5449.0, 5544.0, 5364.0, 5643.0, 5266.0, 5625.0, 5537.0, 5262.0, 5675.0, 5648.0, 5380.0, 5699.0, 5323.0, 5419.0, 5372.0, 5281.0, 5684.0, 5344.0, 5661.0, 5512.0, 5577.0, 5629.0, 5343.0, 5468.0, 5324.0, 5279.0, 5463.0, 5342.0, 5450.0, 5286.0, 5430.0, 5481.0, 5291.0, 5569.0, 5258.0, 5550.0, 5358.0, 5403.0, 5389.0, 5510.0, 5722.0, 5474.0, 5720.0, 5270.0, 5564.0, 5721.0, 5664.0, 5396.0, 5441.0, 5605.0, 5528.0, 5479.0, 5388.0, 5521.0, 5685.0, 5253.0, 5539.0, 5623.0, 5254.0, 5642.0, 5357.0, 5340.0, 5407.0, 5455.0, 5525.0, 5489.0, 5267.0, 5637.0, 5579.0, 5394.0, 5636.0, 5451.0, 5255.0, 5519.0, 5458.0, 5494.0, 5672.0, 5333.0, 5701.0, 5443.0, 5456.0, 5257.0, 5513.0, 5576.0, 5314.0, 5509.0, 5656.0, 5353.0, 5265.0, 5300.0, 5390.0<br>(number of hits: 3 ) |
| 17 | 5580 | 9 | 1 | 333 | 1 | 5463.0, 5320.0, 5402.0, 5594.0, 5692.0, 5621.0, 5378.0, 5687.0, 5623.0, 5514.0, 5610.0, 5318.0, 5567.0, 5389.0, 5278.0, 5670.0, 5355.0, 5518.0, 5647.0, 5258.0, 5530.0, 5520.0, 5460.0, 5462.0, 5641.0, 5261.0, 5448.0, 5421.0, 5496.0, 5353.0, 5607.0, 5700.0, 5666.0, 5579.0, 5667.0, 5296.0, 5651.0, 5393.0, 5337.0, 5485.0, 5655.0, 5451.0, 5558.0, 5600.0, 5536.0, 5493.0, 5375.0, 5414.0, 5350.0, 5477.0, 5723.0, 5661.0, 5521.0, 5325.0, 5522.0, 5508.0, 5585.0, 5656.0, 5273.0, 5631.0, 5534.0, 5528.0, 5341.0, 5268.0, 5704.0, 5461.0, 5336.0, 5381.0, 5376.0, 5506.0, 5626.0, 5317.0, 5663.0, 5415.0, 5650.0, 5549.0, 5584.0, 5674.0, 5362.0, 5542.0, 5605.0, 5591.0, 5525.0, 5519.0, 5602.0, 5473.0, 5380.0, 5653.0, 5395.0, 5447.0, 5481.0, 5555.0, 5455.0, 5344.0, 5698.0                                                                 |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|------|---|---|-----|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5305.0, 5592.0, 5677.0, 5400.0, 5480.0<br>(number of hits: 3 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 18 | 5580 | 9 | 1 | 333 | 1 | 5380.0, 5687.0, 5602.0, 5274.0, 5678.0,<br>5586.0, 5310.0, 5534.0, 5290.0, 5329.0,<br>5637.0, 5689.0, 5434.0, 5355.0, 5452.0,<br>5540.0, 5331.0, 5334.0, 5346.0, 5691.0,<br>5686.0, 5484.0, 5451.0, 5385.0, 5362.0,<br>5713.0, 5468.0, 5495.0, 5425.0, 5374.0,<br>5519.0, 5672.0, 5293.0, 5614.0, 5641.0,<br>5549.0, 5314.0, 5260.0, 5724.0, 5605.0,<br>5648.0, 5446.0, 5394.0, 5255.0, 5629.0,<br>5572.0, 5692.0, 5720.0, 5525.0, 5384.0,<br>5571.0, 5581.0, 5666.0, 5424.0, 5685.0,<br>5404.0, 5368.0, 5389.0, 5433.0, 5624.0,<br>5580.0, 5708.0, 5606.0, 5530.0, 5396.0,<br>5283.0, 5625.0, 5344.0, 5289.0, 5671.0,<br>5554.0, 5553.0, 5441.0, 5577.0, 5315.0,<br>5694.0, 5649.0, 5633.0, 5486.0, 5707.0,<br>5558.0, 5518.0, 5369.0, 5386.0, 5430.0,<br>5347.0, 5280.0, 5345.0, 5506.0, 5472.0,<br>5584.0, 5667.0, 5456.0, 5488.0, 5722.0,<br>5718.0, 5487.0, 5296.0, 5611.0, 5338.0<br>(number of hits: 7 ) |
| 19 | 5580 | 9 | 1 | 333 | 1 | 5262.0, 5353.0, 5435.0, 5635.0, 5688.0,<br>5601.0, 5563.0, 5297.0, 5354.0, 5296.0,<br>5624.0, 5615.0, 5302.0, 5299.0, 5522.0,<br>5689.0, 5380.0, 5351.0, 5524.0, 5454.0,<br>5259.0, 5571.0, 5651.0, 5667.0, 5327.0,<br>5674.0, 5500.0, 5433.0, 5373.0, 5482.0,<br>5364.0, 5671.0, 5600.0, 5576.0, 5643.0,<br>5431.0, 5420.0, 5628.0, 5665.0, 5708.0,<br>5597.0, 5621.0, 5691.0, 5281.0, 5377.0,<br>5254.0, 5681.0, 5498.0, 5560.0, 5488.0,<br>5542.0, 5363.0, 5617.0, 5672.0, 5640.0,<br>5676.0, 5553.0, 5290.0, 5596.0, 5349.0,<br>5608.0, 5565.0, 5419.0, 5271.0, 5696.0,<br>5501.0, 5620.0, 5561.0, 5418.0, 5278.0,<br>5653.0, 5593.0, 5586.0, 5295.0, 5440.0,<br>5412.0, 5610.0, 5441.0, 5555.0, 5378.0,<br>5423.0, 5699.0, 5647.0, 5631.0, 5466.0,<br>5263.0, 5712.0, 5679.0, 5359.0, 5695.0,<br>5629.0, 5661.0, 5370.0, 5465.0, 5579.0,<br>5319.0, 5484.0, 5306.0, 5275.0, 5417.0<br>(number of hits: 4 ) |
| 20 | 5580 | 9 | 1 | 333 | 1 | 5581.0, 5478.0, 5321.0, 5406.0, 5289.0,<br>5390.0, 5606.0, 5554.0, 5310.0, 5525.0,<br>5258.0, 5529.0, 5649.0, 5659.0, 5440.0,<br>5363.0, 5320.0, 5700.0, 5276.0, 5567.0,<br>5367.0, 5326.0, 5535.0, 5608.0, 5628.0,<br>5511.0, 5671.0, 5357.0, 5573.0, 5370.0,<br>5420.0, 5476.0, 5533.0, 5712.0, 5330.0,<br>5547.0, 5515.0, 5431.0, 5500.0, 5328.0,<br>5438.0, 5475.0, 5627.0, 5641.0, 5521.0,<br>5545.0, 5488.0, 5348.0, 5265.0, 5549.0,<br>5697.0, 5663.0, 5580.0, 5269.0, 5263.0,<br>5702.0, 5691.0, 5489.0, 5293.0, 5639.0,<br>5538.0, 5380.0, 5701.0, 5556.0, 5457.0,<br>5392.0, 5359.0, 5646.0, 5576.0, 5470.0,<br>5507.0, 5252.0, 5543.0, 5670.0, 5454.0,<br>5715.0, 5643.0, 5550.0, 5394.0, 5483.0,                                                                                                                                                                                                    |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5699.0, 5339.0, 5355.0, 5425.0, 5423.0, 5492.0, 5338.0, 5707.0, 5460.0, 5599.0, 5344.0, 5379.0, 5652.0, 5254.0, 5637.0, 5378.0, 5361.0, 5358.0, 5536.0, 5278.0<br>(number of hits: 4 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 21 | 5580 | 9 | 1 | 333 | 1 | 5527.0, 5465.0, 5265.0, 5572.0, 5341.0, 5479.0, 5269.0, 5483.0, 5308.0, 5616.0, 5497.0, 5343.0, 5394.0, 5584.0, 5578.0, 5447.0, 5703.0, 5438.0, 5651.0, 5694.0, 5496.0, 5344.0, 5677.0, 5403.0, 5702.0, 5314.0, 5253.0, 5275.0, 5488.0, 5326.0, 5682.0, 5547.0, 5484.0, 5543.0, 5665.0, 5396.0, 5339.0, 5310.0, 5523.0, 5504.0, 5513.0, 5509.0, 5316.0, 5309.0, 5510.0, 5474.0, 5364.0, 5594.0, 5580.0, 5482.0, 5707.0, 5393.0, 5589.0, 5671.0, 5542.0, 5645.0, 5696.0, 5636.0, 5579.0, 5563.0, 5652.0, 5601.0, 5632.0, 5525.0, 5462.0, 5347.0, 5461.0, 5439.0, 5338.0, 5718.0, 5424.0, 5678.0, 5557.0, 5530.0, 5419.0, 5676.0, 5512.0, 5662.0, 5658.0, 5284.0, 5647.0, 5358.0, 5404.0, 5251.0, 5388.0, 5640.0, 5619.0, 5683.0, 5430.0, 5418.0, 5451.0, 5548.0, 5621.0, 5606.0, 5487.0, 5559.0, 5258.0, 5679.0, 5516.0, 5255.0<br>(number of hits: 6 ) |
| 22 | 5580 | 9 | 1 | 333 | 1 | 5609.0, 5566.0, 5307.0, 5541.0, 5568.0, 5711.0, 5548.0, 5644.0, 5481.0, 5509.0, 5614.0, 5251.0, 5499.0, 5646.0, 5610.0, 5373.0, 5544.0, 5655.0, 5693.0, 5554.0, 5268.0, 5480.0, 5306.0, 5591.0, 5716.0, 5443.0, 5393.0, 5514.0, 5669.0, 5638.0, 5546.0, 5316.0, 5259.0, 5378.0, 5275.0, 5657.0, 5674.0, 5673.0, 5463.0, 5567.0, 5433.0, 5403.0, 5696.0, 5342.0, 5388.0, 5344.0, 5385.0, 5494.0, 5616.0, 5685.0, 5705.0, 5686.0, 5346.0, 5664.0, 5340.0, 5454.0, 5533.0, 5276.0, 5379.0, 5658.0, 5496.0, 5702.0, 5698.0, 5450.0, 5671.0, 5384.0, 5706.0, 5318.0, 5418.0, 5465.0, 5528.0, 5362.0, 5642.0, 5444.0, 5331.0, 5582.0, 5327.0, 5430.0, 5665.0, 5325.0, 5301.0, 5542.0, 5635.0, 5341.0, 5395.0, 5356.0, 5425.0, 5681.0, 5376.0, 5332.0, 5587.0, 5576.0, 5380.0, 5549.0, 5256.0, 5652.0, 5267.0, 5607.0, 5312.0, 5440.0<br>(number of hits: 3 ) |
| 23 | 5580 | 9 | 1 | 333 | 1 | 5446.0, 5466.0, 5337.0, 5313.0, 5610.0, 5409.0, 5257.0, 5321.0, 5682.0, 5508.0, 5379.0, 5672.0, 5641.0, 5280.0, 5658.0, 5269.0, 5611.0, 5274.0, 5276.0, 5513.0, 5695.0, 5364.0, 5555.0, 5616.0, 5649.0, 5549.0, 5389.0, 5391.0, 5714.0, 5251.0, 5485.0, 5543.0, 5300.0, 5614.0, 5454.0, 5460.0, 5516.0, 5577.0, 5332.0, 5395.0, 5471.0, 5517.0, 5345.0, 5447.0, 5397.0, 5428.0, 5503.0, 5693.0, 5547.0, 5279.0, 5290.0, 5349.0, 5459.0, 5289.0, 5552.0, 5597.0, 5623.0, 5369.0, 5704.0, 5339.0, 5521.0, 5360.0, 5700.0, 5526.0, 5533.0,                                                                                                                                                                                                                                                                                                                |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5410.0, 5400.0, 5458.0, 5282.0, 5487.0, 5594.0, 5435.0, 5434.0, 5476.0, 5338.0, 5520.0, 5664.0, 5312.0, 5334.0, 5361.0, 5626.0, 5582.0, 5631.0, 5665.0, 5342.0, 5602.0, 5574.0, 5673.0, 5591.0, 5299.0, 5530.0, 5538.0, 5598.0, 5275.0, 5340.0, 5636.0, 5663.0, 5271.0, 5316.0, 5380.0<br>(number of hits: 3 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 24 | 5580 | 9 | 1 | 333 | 1 | 5602.0, 5567.0, 5397.0, 5286.0, 5393.0, 5660.0, 5677.0, 5497.0, 5575.0, 5288.0, 5656.0, 5646.0, 5419.0, 5680.0, 5354.0, 5687.0, 5655.0, 5631.0, 5525.0, 5343.0, 5702.0, 5285.0, 5590.0, 5565.0, 5375.0, 5394.0, 5370.0, 5718.0, 5664.0, 5552.0, 5643.0, 5336.0, 5551.0, 5282.0, 5510.0, 5626.0, 5515.0, 5386.0, 5500.0, 5427.0, 5268.0, 5254.0, 5305.0, 5658.0, 5706.0, 5374.0, 5675.0, 5415.0, 5372.0, 5659.0, 5420.0, 5351.0, 5671.0, 5549.0, 5257.0, 5629.0, 5482.0, 5307.0, 5324.0, 5318.0, 5432.0, 5458.0, 5701.0, 5722.0, 5618.0, 5662.0, 5654.0, 5280.0, 5676.0, 5669.0, 5339.0, 5502.0, 5298.0, 5373.0, 5326.0, 5328.0, 5429.0, 5573.0, 5593.0, 5459.0, 5642.0, 5417.0, 5263.0, 5267.0, 5446.0, 5439.0, 5425.0, 5627.0, 5376.0, 5633.0, 5252.0, 5468.0, 5359.0, 5533.0, 5521.0, 5641.0, 5589.0, 5457.0, 5619.0, 5612.0<br>(number of hits: 3 ) |
| 25 | 5580 | 9 | 1 | 333 | 1 | 5572.0, 5272.0, 5590.0, 5334.0, 5431.0, 5512.0, 5405.0, 5540.0, 5394.0, 5646.0, 5365.0, 5430.0, 5714.0, 5456.0, 5619.0, 5541.0, 5491.0, 5643.0, 5602.0, 5488.0, 5389.0, 5269.0, 5573.0, 5454.0, 5464.0, 5654.0, 5416.0, 5600.0, 5683.0, 5515.0, 5691.0, 5703.0, 5672.0, 5641.0, 5599.0, 5291.0, 5474.0, 5360.0, 5664.0, 5421.0, 5615.0, 5364.0, 5469.0, 5574.0, 5333.0, 5355.0, 5267.0, 5489.0, 5644.0, 5257.0, 5547.0, 5323.0, 5302.0, 5336.0, 5581.0, 5497.0, 5258.0, 5479.0, 5635.0, 5252.0, 5507.0, 5708.0, 5705.0, 5620.0, 5605.0, 5295.0, 5478.0, 5648.0, 5425.0, 5447.0, 5658.0, 5357.0, 5380.0, 5626.0, 5290.0, 5636.0, 5419.0, 5371.0, 5546.0, 5621.0, 5472.0, 5642.0, 5652.0, 5513.0, 5523.0, 5628.0, 5445.0, 5511.0, 5588.0, 5361.0, 5632.0, 5332.0, 5677.0, 5468.0, 5516.0, 5381.0, 5331.0, 5522.0, 5367.0, 5663.0<br>(number of hits: 5 ) |
| 26 | 5580 | 9 | 1 | 333 | 1 | 5431.0, 5635.0, 5450.0, 5290.0, 5579.0, 5717.0, 5259.0, 5709.0, 5700.0, 5697.0, 5558.0, 5650.0, 5723.0, 5425.0, 5330.0, 5589.0, 5381.0, 5375.0, 5602.0, 5587.0, 5721.0, 5512.0, 5680.0, 5513.0, 5659.0, 5537.0, 5583.0, 5427.0, 5631.0, 5495.0, 5343.0, 5550.0, 5511.0, 5283.0, 5706.0, 5311.0, 5306.0, 5575.0, 5446.0, 5683.0, 5407.0, 5402.0, 5701.0, 5406.0, 5691.0, 5596.0, 5716.0, 5278.0, 5489.0, 5460.0,                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5520.0, 5699.0, 5536.0, 5627.0, 5690.0, 5565.0, 5653.0, 5514.0, 5416.0, 5560.0, 5341.0, 5447.0, 5316.0, 5618.0, 5265.0, 5475.0, 5486.0, 5368.0, 5328.0, 5672.0, 5340.0, 5676.0, 5390.0, 5510.0, 5294.0, 5473.0, 5554.0, 5508.0, 5526.0, 5662.0, 5257.0, 5410.0, 5470.0, 5336.0, 5647.0, 5523.0, 5533.0, 5386.0, 5638.0, 5267.0, 5258.0, 5556.0, 5524.0, 5608.0, 5325.0, 5605.0, 5260.0, 5542.0, 5379.0, 5598.0<br>(number of hits: 5)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 27 | 5580 | 9 | 1 | 333 | 1 | 5430.0, 5565.0, 5427.0, 5337.0, 5413.0, 5418.0, 5363.0, 5404.0, 5347.0, 5406.0, 5582.0, 5713.0, 5636.0, 5660.0, 5342.0, 5522.0, 5654.0, 5393.0, 5721.0, 5680.0, 5628.0, 5416.0, 5648.0, 5608.0, 5433.0, 5600.0, 5290.0, 5672.0, 5258.0, 5250.0, 5436.0, 5571.0, 5377.0, 5352.0, 5380.0, 5466.0, 5309.0, 5569.0, 5506.0, 5665.0, 5590.0, 5482.0, 5552.0, 5447.0, 5328.0, 5387.0, 5437.0, 5297.0, 5456.0, 5623.0, 5534.0, 5643.0, 5379.0, 5463.0, 5343.0, 5611.0, 5375.0, 5475.0, 5589.0, 5291.0, 5313.0, 5356.0, 5457.0, 5536.0, 5364.0, 5454.0, 5625.0, 5528.0, 5687.0, 5695.0, 5652.0, 5334.0, 5283.0, 5520.0, 5494.0, 5510.0, 5378.0, 5542.0, 5401.0, 5676.0, 5460.0, 5606.0, 5438.0, 5538.0, 5360.0, 5581.0, 5544.0, 5332.0, 5595.0, 5694.0, 5717.0, 5381.0, 5266.0, 5541.0, 5287.0, 5530.0, 5400.0, 5604.0, 5491.0, 5415.0<br>(number of hits: 4) |
| 28 | 5580 | 9 | 1 | 333 | 1 | 5479.0, 5281.0, 5447.0, 5421.0, 5573.0, 5294.0, 5717.0, 5723.0, 5355.0, 5574.0, 5308.0, 5348.0, 5691.0, 5583.0, 5332.0, 5437.0, 5279.0, 5356.0, 5643.0, 5666.0, 5423.0, 5424.0, 5404.0, 5269.0, 5345.0, 5672.0, 5318.0, 5350.0, 5523.0, 5315.0, 5343.0, 5515.0, 5646.0, 5338.0, 5462.0, 5561.0, 5554.0, 5402.0, 5604.0, 5297.0, 5548.0, 5336.0, 5368.0, 5399.0, 5663.0, 5407.0, 5326.0, 5493.0, 5543.0, 5265.0, 5321.0, 5531.0, 5688.0, 5589.0, 5719.0, 5438.0, 5483.0, 5528.0, 5464.0, 5716.0, 5521.0, 5681.0, 5702.0, 5275.0, 5466.0, 5372.0, 5339.0, 5307.0, 5273.0, 5403.0, 5674.0, 5709.0, 5486.0, 5630.0, 5715.0, 5639.0, 5657.0, 5255.0, 5435.0, 5258.0, 5374.0, 5457.0, 5293.0, 5699.0, 5704.0, 5432.0, 5685.0, 5556.0, 5623.0, 5254.0, 5283.0, 5445.0, 5426.0, 5591.0, 5252.0, 5267.0, 5635.0, 5367.0, 5562.0, 5363.0<br>(number of hits: 4) |
| 29 | 5580 | 9 | 1 | 333 | 1 | 5406.0, 5339.0, 5550.0, 5463.0, 5712.0, 5351.0, 5388.0, 5320.0, 5602.0, 5304.0, 5407.0, 5469.0, 5259.0, 5253.0, 5516.0, 5252.0, 5353.0, 5472.0, 5697.0, 5644.0, 5677.0, 5605.0, 5588.0, 5290.0, 5269.0, 5421.0, 5275.0, 5322.0, 5404.0, 5505.0, 5721.0, 5396.0, 5492.0, 5615.0, 5596.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|------|---|---|-----|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5333.0, 5646.0, 5268.0, 5446.0, 5651.0,<br>5678.0, 5669.0, 5613.0, 5250.0, 5548.0,<br>5484.0, 5690.0, 5569.0, 5653.0, 5251.0,<br>5391.0, 5699.0, 5703.0, 5444.0, 5540.0,<br>5410.0, 5688.0, 5563.0, 5284.0, 5389.0,<br>5377.0, 5336.0, 5287.0, 5657.0, 5502.0,<br>5522.0, 5332.0, 5479.0, 5722.0, 5567.0,<br>5301.0, 5595.0, 5694.0, 5305.0, 5552.0,<br>5523.0, 5346.0, 5433.0, 5424.0, 5402.0,<br>5262.0, 5632.0, 5642.0, 5616.0, 5708.0,<br>5422.0, 5619.0, 5578.0, 5582.0, 5718.0,<br>5385.0, 5497.0, 5464.0, 5310.0, 5334.0,<br>5684.0, 5636.0, 5343.0, 5267.0, 5418.0<br>(number of hits: 3 )                                                                                                                                                                                                                                                                                                              |
| 30 | 5580 | 9 | 1 | 333 | 1 | 5331.0, 5724.0, 5279.0, 5527.0, 5668.0,<br>5500.0, 5523.0, 5611.0, 5474.0, 5347.0,<br>5306.0, 5303.0, 5506.0, 5346.0, 5578.0,<br>5287.0, 5665.0, 5390.0, 5616.0, 5620.0,<br>5421.0, 5698.0, 5324.0, 5689.0, 5571.0,<br>5358.0, 5640.0, 5558.0, 5295.0, 5386.0,<br>5325.0, 5274.0, 5556.0, 5406.0, 5643.0,<br>5681.0, 5278.0, 5563.0, 5623.0, 5435.0,<br>5717.0, 5632.0, 5695.0, 5526.0, 5534.0,<br>5524.0, 5663.0, 5299.0, 5608.0, 5383.0,<br>5448.0, 5589.0, 5407.0, 5490.0, 5525.0,<br>5638.0, 5555.0, 5348.0, 5618.0, 5706.0,<br>5311.0, 5497.0, 5352.0, 5276.0, 5554.0,<br>5697.0, 5290.0, 5645.0, 5458.0, 5485.0,<br>5659.0, 5456.0, 5433.0, 5514.0, 5257.0,<br>5264.0, 5535.0, 5596.0, 5442.0, 5720.0,<br>5424.0, 5360.0, 5409.0, 5312.0, 5319.0,<br>5368.0, 5560.0, 5718.0, 5367.0, 5621.0,<br>5614.0, 5494.0, 5641.0, 5328.0, 5592.0,<br>5693.0, 5559.0, 5711.0, 5567.0, 5430.0<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                           | 100 %                | 60%              | Pass             |
| <b>Type 3</b>                 | 30                           | 100 %                | 60%              | Pass             |
| <b>Type 4</b>                 | 30                           | 100 %                | 60%              | Pass             |
| <b>Aggregate (Type1 to 4)</b> | 120                          | 100 %                | 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:

**Table-1 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            | 76                 | 1                       | 698             | 1                              |
| 2                                            | 5270            | 67                 | 1                       | 798             | 1                              |
| 3                                            | 5270            | 92                 | 1                       | 578             | 1                              |
| 4                                            | 5270            | 74                 | 1                       | 718             | 1                              |
| 5                                            | 5270            | 99                 | 1                       | 538             | 1                              |
| 6                                            | 5270            | 95                 | 1                       | 558             | 1                              |
| 7                                            | 5270            | 68                 | 1                       | 778             | 1                              |
| 8                                            | 5270            | 72                 | 1                       | 738             | 1                              |
| 9                                            | 5270            | 62                 | 1                       | 858             | 1                              |
| 10                                           | 5270            | 63                 | 1                       | 838             | 1                              |
| 11                                           | 5270            | 58                 | 1                       | 918             | 1                              |
| 12                                           | 5270            | 70                 | 1                       | 758             | 1                              |
| 13                                           | 5270            | 86                 | 1                       | 618             | 1                              |
| 14                                           | 5270            | 61                 | 1                       | 878             | 1                              |
| 15                                           | 5270            | 83                 | 1                       | 638             | 1                              |
| 16                                           | 5270            | 34                 | 1                       | 1578            | 1                              |
| 17                                           | 5270            | 48                 | 1                       | 1122            | 1                              |
| 18                                           | 5270            | 54                 | 1                       | 983             | 1                              |
| 19                                           | 5270            | 43                 | 1                       | 1242            | 1                              |
| 20                                           | 5270            | 24                 | 1                       | 2212            | 1                              |
| 21                                           | 5270            | 37                 | 1                       | 1459            | 1                              |
| 22                                           | 5270            | 58                 | 1                       | 922             | 1                              |
| 23                                           | 5270            | 24                 | 1                       | 2293            | 1                              |
| 24                                           | 5270            | 20                 | 1                       | 2742            | 1                              |
| 25                                           | 5270            | 65                 | 1                       | 812             | 1                              |
| 26                                           | 5270            | 41                 | 1                       | 1299            | 1                              |
| 27                                           | 5270            | 27                 | 1                       | 2008            | 1                              |
| 28                                           | 5270            | 54                 | 1                       | 980             | 1                              |
| 29                                           | 5270            | 21                 | 1                       | 2567            | 1                              |
| 30                                           | 5270            | 50                 | 1                       | 1064            | 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                 | 5                       | 185             | 1                              |
| 2                                            | 5270            | 28                 | 4.5                     | 163             | 1                              |
| 3                                            | 5270            | 27                 | 3.9                     | 215             | 1                              |
| 4                                            | 5270            | 26                 | 3.2                     | 228             | 1                              |
| 5                                            | 5270            | 25                 | 2.9                     | 209             | 1                              |
| 6                                            | 5270            | 29                 | 2.3                     | 156             | 1                              |
| 7                                            | 5270            | 26                 | 2                       | 211             | 1                              |
| 8                                            | 5270            | 23                 | 2.2                     | 195             | 1                              |
| 9                                            | 5270            | 25                 | 4.2                     | 199             | 1                              |
| 10                                           | 5270            | 28                 | 4.6                     | 173             | 1                              |
| 11                                           | 5270            | 28                 | 3.9                     | 208             | 1                              |
| 12                                           | 5270            | 29                 | 2.3                     | 151             | 1                              |
| 13                                           | 5270            | 23                 | 2.5                     | 176             | 1                              |
| 14                                           | 5270            | 29                 | 5                       | 205             | 1                              |
| 15                                           | 5270            | 27                 | 3.4                     | 173             | 1                              |
| 16                                           | 5270            | 23                 | 4.2                     | 224             | 1                              |
| 17                                           | 5270            | 24                 | 3.9                     | 229             | 1                              |
| 18                                           | 5270            | 24                 | 1                       | 173             | 1                              |
| 19                                           | 5270            | 29                 | 3.6                     | 166             | 1                              |
| 20                                           | 5270            | 26                 | 4.2                     | 172             | 1                              |
| 21                                           | 5270            | 29                 | 1.2                     | 159             | 1                              |
| 22                                           | 5270            | 26                 | 3.2                     | 222             | 1                              |
| 23                                           | 5270            | 28                 | 1.2                     | 228             | 1                              |
| 24                                           | 5270            | 27                 | 4.6                     | 159             | 1                              |
| 25                                           | 5270            | 28                 | 2.6                     | 179             | 1                              |
| 26                                           | 5270            | 24                 | 2.6                     | 206             | 1                              |
| 27                                           | 5270            | 29                 | 1.2                     | 191             | 1                              |
| 28                                           | 5270            | 24                 | 4.5                     | 177             | 1                              |
| 29                                           | 5270            | 24                 | 1.6                     | 219             | 1                              |
| 30                                           | 5270            | 28                 | 2.2                     | 158             | 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                                            | 5270            | 17                 | 8                       | 397             | 1                              |
| 2                                            | 5270            | 17                 | 7.5                     | 276             | 1                              |
| 3                                            | 5270            | 18                 | 7                       | 399             | 1                              |
| 4                                            | 5270            | 18                 | 9.9                     | 421             | 1                              |
| 5                                            | 5270            | 17                 | 6.2                     | 245             | 1                              |
| 6                                            | 5270            | 16                 | 9.1                     | 449             | 1                              |
| 7                                            | 5270            | 16                 | 9.4                     | 329             | 1                              |
| 8                                            | 5270            | 17                 | 8.9                     | 357             | 1                              |
| 9                                            | 5270            | 16                 | 9.3                     | 484             | 1                              |
| 10                                           | 5270            | 18                 | 8.4                     | 498             | 1                              |
| 11                                           | 5270            | 16                 | 9                       | 397             | 1                              |
| 12                                           | 5270            | 17                 | 7.5                     | 310             | 1                              |
| 13                                           | 5270            | 17                 | 9.7                     | 312             | 1                              |
| 14                                           | 5270            | 18                 | 7.5                     | 402             | 1                              |
| 15                                           | 5270            | 18                 | 7.6                     | 267             | 1                              |
| 16                                           | 5270            | 17                 | 6.7                     | 342             | 1                              |
| 17                                           | 5270            | 18                 | 6.6                     | 307             | 1                              |
| 18                                           | 5270            | 18                 | 8.8                     | 325             | 1                              |
| 19                                           | 5270            | 16                 | 9                       | 228             | 1                              |
| 20                                           | 5270            | 18                 | 9.1                     | 469             | 1                              |
| 21                                           | 5270            | 17                 | 7.4                     | 431             | 1                              |
| 22                                           | 5270            | 17                 | 9.4                     | 398             | 1                              |
| 23                                           | 5270            | 17                 | 7.1                     | 298             | 1                              |
| 24                                           | 5270            | 17                 | 6.5                     | 432             | 1                              |
| 25                                           | 5270            | 16                 | 7.2                     | 335             | 1                              |
| 26                                           | 5270            | 16                 | 9                       | 244             | 1                              |
| 27                                           | 5270            | 18                 | 8.1                     | 413             | 1                              |
| 28                                           | 5270            | 16                 | 7.9                     | 249             | 1                              |
| 29                                           | 5270            | 18                 | 8.5                     | 426             | 1                              |
| 30                                           | 5270            | 16                 | 7.2                     | 239             | 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                                            | 5270            | 16                 | 14.1                    | 468             | 1                              |
| 2                                            | 5270            | 15                 | 18.3                    | 263             | 1                              |
| 3                                            | 5270            | 15                 | 15                      | 394             | 1                              |
| 4                                            | 5270            | 13                 | 18.9                    | 417             | 1                              |
| 5                                            | 5270            | 16                 | 14.1                    | 284             | 1                              |
| 6                                            | 5270            | 13                 | 15                      | 279             | 1                              |
| 7                                            | 5270            | 16                 | 12.9                    | 430             | 1                              |
| 8                                            | 5270            | 15                 | 20                      | 283             | 1                              |
| 9                                            | 5270            | 14                 | 17.2                    | 409             | 1                              |
| 10                                           | 5270            | 16                 | 18                      | 455             | 1                              |
| 11                                           | 5270            | 16                 | 17.4                    | 332             | 1                              |
| 12                                           | 5270            | 13                 | 16                      | 315             | 1                              |
| 13                                           | 5270            | 14                 | 13.1                    | 200             | 1                              |
| 14                                           | 5270            | 12                 | 12.1                    | 392             | 1                              |
| 15                                           | 5270            | 13                 | 15                      | 394             | 1                              |
| 16                                           | 5270            | 12                 | 15.2                    | 458             | 1                              |
| 17                                           | 5270            | 13                 | 18                      | 361             | 1                              |
| 18                                           | 5270            | 12                 | 19.9                    | 425             | 1                              |
| 19                                           | 5270            | 16                 | 12.2                    | 305             | 1                              |
| 20                                           | 5270            | 14                 | 11.7                    | 251             | 1                              |
| 21                                           | 5270            | 14                 | 18.2                    | 238             | 1                              |
| 22                                           | 5270            | 13                 | 15.6                    | 451             | 1                              |
| 23                                           | 5270            | 13                 | 11.5                    | 370             | 1                              |
| 24                                           | 5270            | 12                 | 15.1                    | 493             | 1                              |
| 25                                           | 5270            | 14                 | 17                      | 441             | 1                              |
| 26                                           | 5270            | 12                 | 15.3                    | 435             | 1                              |
| 27                                           | 5270            | 12                 | 17.5                    | 302             | 1                              |
| 28                                           | 5270            | 15                 | 11                      | 476             | 1                              |
| 29                                           | 5270            | 12                 | 19.8                    | 343             | 1                              |
| 30                                           | 5270            | 14                 | 17.1                    | 374             | 1                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

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

Bin5 Statistics 1

CF=5276MHz

| Trial # | Pulse | Chirp (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          | 66               |                        |                        | 0.09613        | 1                       |
| 1       | 2     | 9           | 73.7             | 1453                   |                        | 0.708517       |                         |
| 2       | 3     | 8           | 97.9             | 1480                   | 1139                   | 1.612347       |                         |
| 3       | 2     | 11          | 98.3             | 1954                   |                        | 2.103938       |                         |
| 4       | 3     | 17          | 81.1             | 1917                   | 1411                   | 2.706733       |                         |
| 5       | 2     | 18          | 61.8             | 1190                   |                        | 3.695184       |                         |
| 6       | 1     | 11          | 54.7             |                        |                        | 4.209044       |                         |
| 7       | 2     | 16          | 88.4             | 1560                   |                        | 4.695987       |                         |
| 8       | 3     | 14          | 72.6             | 1672                   | 1803                   | 5.602633       |                         |
| 9       | 1     | 19          | 79.2             |                        |                        | 6.534263       |                         |
| 10      | 2     | 9           | 76.6             | 1813                   |                        | 6.907455       |                         |
| 11      | 2     | 6           | 97.9             | 1427                   |                        | 7.897076       |                         |
| 12      | 2     | 9           | 51.3             | 1557                   |                        | 8.36115        |                         |
| 13      | 2     | 8           | 54.6             | 1278                   |                        | 8.860018       |                         |
| 14      | 2     | 18          | 60.7             | 1613                   |                        | 9.668109       |                         |
| 15      | 2     | 9           | 75.3             | 1346                   |                        | 10.52161       |                         |
| 16      | 2     | 12          | 83.4             | 1418                   |                        | 10.703975      |                         |
| 17      | 2     | 10          | 51               | 1378                   |                        | 11.3874        |                         |

## Bin5 Statistics 2

CF=5253MHz

| Trial # | Pulse | Chirp (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           | 97.5             | 1091                   | 1953                   | 0.348861       | 1                       |
| 1       | 2     | 14          | 87.2             | 1761                   |                        | 0.82193        |                         |
| 2       | 2     | 6           | 55               | 1392                   |                        | 1.475607       |                         |
| 3       | 2     | 17          | 98.7             | 1607                   |                        | 2.322987       |                         |
| 4       | 3     | 7           | 98.4             | 1203                   | 1838                   | 2.67935        |                         |
| 5       | 3     | 14          | 94.5             | 1837                   | 1951                   | 3.387206       |                         |
| 6       | 2     | 19          | 66.1             | 1141                   |                        | 3.818496       |                         |
| 7       | 3     | 20          | 71.4             | 1242                   | 1496                   | 4.516273       |                         |
| 8       | 2     | 8           | 77.1             | 1838                   |                        | 5.010057       |                         |
| 9       | 2     | 11          | 80               | 1960                   |                        | 5.42349        |                         |
| 10      | 1     | 11          | 65.2             |                        |                        | 6.483684       |                         |
| 11      | 1     | 8           | 52.2             |                        |                        | 7.116351       |                         |
| 12      | 2     | 13          | 56.9             | 1679                   |                        | 7.687902       |                         |
| 13      | 1     | 6           | 57.1             |                        |                        | 7.849084       |                         |
| 14      | 2     | 10          | 99.3             | 1482                   |                        | 8.430499       |                         |
| 15      | 2     | 15          | 61.9             | 1284                   |                        | 9.352278       |                         |
| 16      | 1     | 19          | 84.5             |                        |                        | 10.059098      |                         |
| 17      | 3     | 17          | 91.2             | 1612                   | 1739                   | 10.323832      |                         |
| 18      | 1     | 16          | 54.6             |                        |                        | 11.283832      |                         |
| 19      | 2     | 10          | 95               | 1955                   |                        | 11.786068      |                         |

## Bin5 Statistics 3

CF=5276MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 1     | 14          | 91.2             |                        |                        | 0.489972       | 1                       |
| 1       | 2     | 11          | 55               | 1793                   |                        | 1.003075       |                         |
| 2       | 1     | 14          | 92.4             |                        |                        | 1.873067       |                         |
| 3       | 1     | 10          | 84.3             |                        |                        | 2.149627       |                         |
| 4       | 3     | 9           | 75               | 1137                   | 1440                   | 2.946434       |                         |
| 5       | 2     | 16          | 63.8             | 1774                   |                        | 3.918466       |                         |
| 6       | 1     | 19          | 66.1             |                        |                        | 4.62161        |                         |
| 7       | 2     | 13          | 64.9             | 1884                   |                        | 5.075692       |                         |
| 8       | 2     | 8           | 95.2             | 1374                   |                        | 5.956645       |                         |
| 9       | 2     | 10          | 81.6             | 1484                   |                        | 6.575768       |                         |
| 10      | 3     | 17          | 56.3             | 1840                   | 1656                   | 7.243998       |                         |
| 11      | 2     | 19          | 80.2             | 1922                   |                        | 7.998989       |                         |
| 12      | 1     | 13          | 56.2             |                        |                        | 8.8532         |                         |
| 13      | 2     | 6           | 56.9             | 1295                   |                        | 9.308676       |                         |
| 14      | 2     | 14          | 58.3             | 1497                   |                        | 10.251207      |                         |
| 15      | 3     | 14          | 94.8             | 1822                   | 1245                   | 10.797186      |                         |
| 16      | 2     | 17          | 56.3             | 1752                   |                        | 11.936615      |                         |

## Bin5 Statistics 4

CF=5259MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 3     | 10          | 67.9             | 1856                   | 1897                   | 0.322208       | 1                       |
| 1       | 3     | 17          | 65.8             | 1365                   | 1868                   | 1.800266       |                         |
| 2       | 2     | 5           | 76.3             | 1521                   |                        | 3.079585       |                         |
| 3       | 3     | 8           | 56.9             | 1507                   | 1224                   | 4.764573       |                         |
| 4       | 2     | 6           | 91.5             | 1930                   |                        | 6.124237       |                         |
| 5       | 2     | 10          | 85.7             | 1148                   |                        | 7.781892       |                         |
| 6       | 2     | 6           | 91.2             | 1287                   |                        | 8.345008       |                         |
| 7       | 2     | 6           | 98.2             | 1967                   |                        | 9.809404       |                         |
| 8       | 1     | 7           | 82.2             |                        |                        | 11.087823      |                         |

## Bin5 Statistics 5

CF=5263MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 12          | 60.3             | 1894                   |                        | 0.01594        | 1                       |
| 1       | 2     | 18          | 91.9             | 1122                   |                        | 1.311543       |                         |
| 2       | 1     | 10          | 58.7             |                        |                        | 1.875098       |                         |
| 3       | 1     | 10          | 75.6             |                        |                        | 2.283654       |                         |
| 4       | 3     | 15          | 77.8             | 1432                   | 1038                   | 3.198274       |                         |
| 5       | 2     | 16          | 75.4             | 1936                   |                        | 4.165834       |                         |
| 6       | 2     | 18          | 84.7             | 1587                   |                        | 4.536041       |                         |
| 7       | 2     | 12          | 74.5             | 1895                   |                        | 5.141582       |                         |
| 8       | 1     | 10          | 86.8             |                        |                        | 5.746839       |                         |
| 9       | 2     | 20          | 66.9             | 1641                   |                        | 6.407522       |                         |
| 10      | 3     | 15          | 71.1             | 1003                   | 1074                   | 7.67726        |                         |
| 11      | 1     | 7           | 75               |                        |                        | 8.107611       |                         |
| 12      | 2     | 7           | 64.4             | 1232                   |                        | 9.161721       |                         |
| 13      | 1     | 18          | 71.9             |                        |                        | 9.541746       |                         |
| 14      | 1     | 16          | 73.9             |                        |                        | 9.901219       |                         |
| 15      | 2     | 14          | 68.1             | 1148                   |                        | 11.049924      |                         |
| 16      | 2     | 12          | 67               | 1767                   |                        | 11.938687      |                         |

## Bin5 Statistics 6

CF=5280MHz

| Trial # | Pulse | Chirp (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          | 99.5             | 1262                   |                        | 0.426386       | 1                       |
| 1       | 3     | 12          | 53.3             | 1260                   | 1928                   | 0.810181       |                         |
| 2       | 2     | 17          | 64.4             | 1781                   |                        | 1.681307       |                         |
| 3       | 2     | 15          | 70.4             | 1569                   |                        | 2.480462       |                         |
| 4       | 3     | 8           | 98               | 1015                   | 1061                   | 3.317771       |                         |
| 5       | 2     | 16          | 92               | 1806                   |                        | 3.855594       |                         |
| 6       | 1     | 12          | 52.8             |                        |                        | 4.518894       |                         |
| 7       | 2     | 9           | 57               | 1059                   |                        | 5.116826       |                         |
| 8       | 2     | 6           | 93.3             | 1025                   |                        | 5.844851       |                         |
| 9       | 1     | 5           | 95               |                        |                        | 6.566462       |                         |
| 10      | 2     | 10          | 95               | 1844                   |                        | 7.32188        |                         |
| 11      | 2     | 14          | 73.8             | 1219                   |                        | 7.685978       |                         |
| 12      | 2     | 7           | 51.9             | 1776                   |                        | 8.524308       |                         |
| 13      | 1     | 13          | 77.6             |                        |                        | 9.006073       |                         |
| 14      | 2     | 19          | 89.7             | 1041                   |                        | 9.949566       |                         |
| 15      | 3     | 9           | 76               | 1775                   | 1426                   | 10.082558      |                         |
| 16      | 3     | 5           | 98.5             | 1386                   | 1607                   | 10.743044      |                         |
| 17      | 1     | 17          | 78.3             |                        |                        | 11.533376      |                         |



## Bin5 Statistics 7

CF=5278MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 14          | 71.5             | 1967                   |                        | 0.266138       | 1                       |
| 1       | 2     | 15          | 67               | 1870                   |                        | 0.760354       |                         |
| 2       | 2     | 19          | 73.9             | 1396                   |                        | 1.406379       |                         |
| 3       | 2     | 16          | 84.9             | 1022                   |                        | 2.084625       |                         |
| 4       | 2     | 12          | 72.4             | 1376                   |                        | 2.793483       |                         |
| 5       | 2     | 6           | 63               | 1951                   |                        | 3.499999       |                         |
| 6       | 2     | 19          | 85.8             | 1966                   |                        | 4.030436       |                         |
| 7       | 3     | 5           | 65.4             | 1874                   | 1868                   | 4.983946       |                         |
| 8       | 2     | 7           | 69.4             | 1724                   |                        | 5.507226       |                         |
| 9       | 3     | 9           | 77.7             | 1168                   | 1081                   | 5.965047       |                         |
| 10      | 1     | 7           | 71.5             |                        |                        | 6.38444        |                         |
| 11      | 2     | 15          | 91.1             | 1661                   |                        | 7.079269       |                         |
| 12      | 2     | 7           | 89.2             | 1156                   |                        | 7.918095       |                         |
| 13      | 3     | 19          | 62.8             | 1473                   | 1956                   | 8.656356       |                         |
| 14      | 2     | 13          | 89.1             | 1954                   |                        | 8.888083       |                         |
| 15      | 1     | 8           | 74.7             |                        |                        | 9.944635       |                         |
| 16      | 2     | 8           | 83.5             | 1785                   |                        | 10.529597      |                         |
| 17      | 1     | 7           | 65.3             |                        |                        | 11.10661       |                         |
| 18      | 1     | 13          | 84.4             |                        |                        | 11.87253       |                         |

## Bin5 Statistics 8

CF=5259MHz

| Trial # | Pulse | Chirp (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          | 62.5             | 1894                   |                        | 0.217932       | 1                       |
| 1       | 2     | 12          | 77.8             | 1503                   |                        | 0.977911       |                         |
| 2       | 2     | 13          | 52.2             | 1195                   |                        | 1.416029       |                         |
| 3       | 2     | 17          | 89.2             | 1516                   |                        | 2.518438       |                         |
| 4       | 2     | 14          | 90.5             | 1708                   |                        | 3.169133       |                         |
| 5       | 2     | 13          | 69.8             | 1991                   |                        | 3.717077       |                         |
| 6       | 2     | 6           | 50.3             | 1455                   |                        | 4.519989       |                         |
| 7       | 3     | 6           | 59.3             | 1194                   | 1105                   | 4.714372       |                         |
| 8       | 1     | 12          | 58.2             |                        |                        | 5.64266        |                         |
| 9       | 2     | 7           | 54               | 1900                   |                        | 6.471518       |                         |
| 10      | 2     | 8           | 61.5             | 1745                   |                        | 6.955468       |                         |
| 11      | 3     | 19          | 83.4             | 1927                   | 1962                   | 7.71075        |                         |
| 12      | 2     | 20          | 99.9             | 1503                   |                        | 8.572365       |                         |
| 13      | 2     | 8           | 97.4             | 1302                   |                        | 9.013185       |                         |
| 14      | 2     | 16          | 59               | 1862                   |                        | 9.37639        |                         |
| 15      | 1     | 7           | 68.3             |                        |                        | 10.369893      |                         |
| 16      | 1     | 11          | 60.4             |                        |                        | 10.712523      |                         |
| 17      | 2     | 10          | 68.7             | 1738                   |                        | 11.59065       |                         |

## Bin5 Statistics 9

CF=5267MHz

| Trial # | Pulse | Chirp (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           | 77.2             | 1858                   | 1684                   | 0.973644       | 1                       |
| 1       | 2     | 7           | 64.2             | 1221                   |                        | 1.435665       |                         |
| 2       | 1     | 9           | 82.2             |                        |                        | 2.663094       |                         |
| 3       | 2     | 10          | 72.7             | 1991                   |                        | 3.807579       |                         |
| 4       | 3     | 17          | 99.5             | 1610                   | 1593                   | 4.905533       |                         |
| 5       | 2     | 10          | 87.8             | 1885                   |                        | 5.93262        |                         |
| 6       | 2     | 12          | 55.1             | 1415                   |                        | 6.787687       |                         |
| 7       | 1     | 5           | 50.2             |                        |                        | 7.11           |                         |
| 8       | 1     | 15          | 84.8             |                        |                        | 8.250667       |                         |
| 9       | 3     | 8           | 79.1             | 1709                   | 1191                   | 9.188199       |                         |
| 10      | 2     | 7           | 79.1             | 1816                   |                        | 10.157228      |                         |
| 11      | 1     | 8           | 72.3             |                        |                        | 11.852171      |                         |

## Bin5 Statistics 10

CF=5266MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 3     | 13          | 61.8             | 1398                   | 1299                   | 0.072277       | 1                       |
| 1       | 1     | 13          | 88.4             |                        |                        | 1.245648       |                         |
| 2       | 2     | 19          | 71.5             | 1669                   |                        | 2.020709       |                         |
| 3       | 1     | 19          | 73.4             |                        |                        | 2.610716       |                         |
| 4       | 1     | 20          | 71.9             |                        |                        | 3.901075       |                         |
| 5       | 2     | 15          | 50.1             | 1437                   |                        | 4.623247       |                         |
| 6       | 3     | 20          | 73.7             | 1332                   | 1069                   | 5.923464       |                         |
| 7       | 3     | 7           | 82.7             | 1810                   | 1598                   | 6.507779       |                         |
| 8       | 2     | 14          | 88.5             | 1532                   |                        | 7.384728       |                         |
| 9       | 2     | 16          | 84.8             | 1267                   |                        | 8.471247       |                         |
| 10      | 1     | 19          | 98.2             |                        |                        | 9.244588       |                         |
| 11      | 2     | 9           | 93               | 1909                   |                        | 10.163055      |                         |
| 12      | 3     | 15          | 73.9             | 1325                   | 1605                   | 10.930785      |                         |
| 13      | 2     | 5           | 96.5             | 1186                   |                        | 11.292756      |                         |

## Bin5 Statistics 11

CF=5263MHz

| Trial # | Pulse | Chirp (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          | 86.4             | 1425                   |                        | 0.290716       | 1                       |
| 1       | 1     | 10          | 54.6             |                        |                        | 1.829704       |                         |
| 2       | 2     | 18          | 56.1             | 1653                   |                        | 2.184632       |                         |
| 3       | 2     | 12          | 81.1             | 1313                   |                        | 3.290195       |                         |
| 4       | 1     | 13          | 66.7             |                        |                        | 4.407002       |                         |
| 5       | 1     | 15          | 87.4             |                        |                        | 5.756001       |                         |
| 6       | 2     | 13          | 54.8             | 1103                   |                        | 6.534455       |                         |
| 7       | 2     | 7           | 81.4             | 1166                   |                        | 7.585881       |                         |
| 8       | 2     | 15          | 62.1             | 1860                   |                        | 8.127181       |                         |
| 9       | 1     | 9           | 64               |                        |                        | 9.692314       |                         |
| 10      | 3     | 18          | 98.6             | 1895                   | 1841                   | 10.124789      |                         |
| 11      | 1     | 19          | 58.6             |                        |                        | 11.8082        |                         |

## Bin5 Statistics 12

CF=5281MHz

| Trial # | Pulse | Chirp (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          | 84.5             | 1287                   |                        | 0.273743       | 1                       |
| 1       | 2     | 12          | 94.5             | 1059                   |                        | 0.92188        |                         |
| 2       | 2     | 15          | 61.6             | 1111                   |                        | 2.010341       |                         |
| 3       | 1     | 13          | 79.5             |                        |                        | 2.462174       |                         |
| 4       | 2     | 17          | 96.1             | 1161                   |                        | 3.130599       |                         |
| 5       | 3     | 13          | 72.2             | 1281                   | 1812                   | 3.818057       |                         |
| 6       | 1     | 15          | 86.6             |                        |                        | 4.352863       |                         |
| 7       | 1     | 14          | 86.5             |                        |                        | 5.339727       |                         |
| 8       | 2     | 15          | 53.4             | 1602                   |                        | 6.228283       |                         |
| 9       | 1     | 11          | 54.7             |                        |                        | 6.991353       |                         |
| 10      | 1     | 6           | 70.1             |                        |                        | 7.274289       |                         |
| 11      | 2     | 20          | 70               | 1022                   |                        | 8.23344        |                         |
| 12      | 3     | 13          | 95.9             | 1846                   | 1568                   | 9.070394       |                         |
| 13      | 1     | 19          | 56.8             |                        |                        | 9.616768       |                         |
| 14      | 1     | 19          | 79.1             |                        |                        | 10.450873      |                         |
| 15      | 1     | 7           | 83.6             |                        |                        | 10.677851      |                         |
| 16      | 2     | 12          | 89               | 1066                   |                        | 11.465524      |                         |

## Bin5 Statistics 13

CF=5275MHz

| Trial # | Pulse | Chirp (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          | 82.6             | 1755                   |                        | 0.271804       | 1                       |
| 1       | 2     | 15          | 82.2             | 1731                   |                        | 2.718072       |                         |
| 2       | 2     | 18          | 90               | 1895                   |                        | 3.019606       |                         |
| 3       | 1     | 8           | 99               |                        |                        | 5.90625        |                         |
| 4       | 3     | 9           | 72.1             | 1129                   | 1482                   | 6.80941        |                         |
| 5       | 2     | 13          | 52.6             | 1608                   |                        | 8.743011       |                         |
| 6       | 3     | 9           | 57.5             | 1825                   | 1032                   | 9.188859       |                         |
| 7       | 1     | 6           | 78               |                        |                        | 11.287522      |                         |

## Bin5 Statistics 14

CF=5276MHz

| Trial # | Pulse | Chirp (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          | 67.8             | 1438                   |                        | 0.297918       | 1                       |
| 1       | 3     | 14          | 73.4             | 1405                   | 1646                   | 2.426365       |                         |
| 2       | 2     | 11          | 67               | 1782                   |                        | 3.332417       |                         |
| 3       | 2     | 15          | 73.1             | 1052                   |                        | 4.911438       |                         |
| 4       | 2     | 17          | 99.8             | 1238                   |                        | 6.188714       |                         |
| 5       | 2     | 10          | 94.1             | 1672                   |                        | 7.816224       |                         |
| 6       | 2     | 18          | 94.4             | 1281                   |                        | 8.270049       |                         |
| 7       | 2     | 16          | 78.5             | 1434                   |                        | 10.330776      |                         |
| 8       | 2     | 20          | 52.8             | 1432                   |                        | 11.714252      |                         |

## Bin5 Statistics 15

CF=5271MHz

| Trial # | Pulse | Chirp (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          | 96.7             | 1696                   |                        | 0.004975       | 1                       |
| 1       | 2     | 15          | 90.2             | 1057                   |                        | 1.508354       |                         |
| 2       | 2     | 5           | 58               | 1990                   |                        | 3.346142       |                         |
| 3       | 2     | 9           | 89.3             | 1225                   |                        | 3.940775       |                         |
| 4       | 1     | 11          | 63.2             |                        |                        | 5.885814       |                         |
| 5       | 1     | 20          | 59.8             |                        |                        | 6.35767        |                         |
| 6       | 3     | 8           | 91.3             | 1095                   | 1273                   | 7.313598       |                         |
| 7       | 1     | 13          | 54.6             |                        |                        | 8.740114       |                         |
| 8       | 2     | 13          | 87.1             | 1996                   |                        | 9.807621       |                         |
| 9       | 1     | 18          | 64.7             |                        |                        | 11.81583       |                         |

## Bin5 Statistics 16

CF=5279MHz

| Trial # | Pulse | Chirp (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          | 63               | 1492                   |                        | 0.827875       | 1                       |
| 1       | 2     | 13          | 61.4             | 1890                   |                        | 2.33106        |                         |
| 2       | 1     | 12          | 50.4             |                        |                        | 2.718439       |                         |
| 3       | 2     | 14          | 79               | 1765                   |                        | 5.00094        |                         |
| 4       | 2     | 6           | 90.2             | 1063                   |                        | 6.349899       |                         |
| 5       | 2     | 16          | 62.1             | 1977                   |                        | 7.541565       |                         |
| 6       | 2     | 13          | 66               | 1585                   |                        | 8.44997        |                         |
| 7       | 3     | 10          | 88.4             | 1121                   | 1204                   | 9.472423       |                         |
| 8       | 2     | 6           | 77.2             | 1539                   |                        | 11.327445      |                         |

## Bin5 Statistics 17

CF=5279MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 3     | 12          | 89               | 1077                   | 1738                   | 0.078237       | 1                       |
| 1       | 2     | 12          | 71.4             | 1988                   |                        | 1.098827       |                         |
| 2       | 3     | 19          | 52.7             | 1242                   | 1528                   | 2.290683       |                         |
| 3       | 2     | 17          | 70.8             | 1428                   |                        | 2.981357       |                         |
| 4       | 2     | 18          | 89.2             | 1064                   |                        | 3.753313       |                         |
| 5       | 2     | 6           | 63.6             | 1527                   |                        | 4.043151       |                         |
| 6       | 3     | 14          | 74               | 1752                   | 1473                   | 5.520654       |                         |
| 7       | 2     | 19          | 65.7             | 1200                   |                        | 5.756174       |                         |
| 8       | 2     | 7           | 92.9             | 1051                   |                        | 7.03254        |                         |
| 9       | 3     | 6           | 67.4             | 1811                   | 1187                   | 7.536524       |                         |
| 10      | 2     | 17          | 56.6             | 1673                   |                        | 8.59196        |                         |
| 11      | 2     | 8           | 72.8             | 1691                   |                        | 9.15444        |                         |
| 12      | 2     | 6           | 72.9             | 1280                   |                        | 9.936003       |                         |
| 13      | 2     | 11          | 71.2             | 1390                   |                        | 10.746929      |                         |
| 14      | 3     | 10          | 78.2             | 1599                   | 1573                   | 11.864658      |                         |

## Bin5 Statistics 18

CF=5260MHz

| Trial # | Pulse | Chirp (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          | 85.9             | 1597                   |                        | 0.04722        | 1                       |
| 1       | 2     | 18          | 57.1             | 1240                   |                        | 0.757439       |                         |
| 2       | 2     | 7           | 93.3             | 1916                   |                        | 1.810359       |                         |
| 3       | 2     | 11          | 71.7             | 1014                   |                        | 2.480174       |                         |
| 4       | 2     | 11          | 63.3             | 1676                   |                        | 3.071524       |                         |
| 5       | 2     | 20          | 94.3             | 1491                   |                        | 3.164148       |                         |
| 6       | 2     | 9           | 57.5             | 1909                   |                        | 3.907188       |                         |
| 7       | 1     | 11          | 73.4             |                        |                        | 4.477516       |                         |
| 8       | 1     | 7           | 89               |                        |                        | 5.2067         |                         |
| 9       | 2     | 7           | 82.6             | 1923                   |                        | 6.102546       |                         |
| 10      | 2     | 13          | 60.9             | 1000                   |                        | 6.412567       |                         |
| 11      | 2     | 11          | 65.3             | 1385                   |                        | 7.355547       |                         |
| 12      | 2     | 13          | 94.2             | 1244                   |                        | 8.160923       |                         |
| 13      | 2     | 10          | 52.9             | 1837                   |                        | 8.37525        |                         |
| 14      | 1     | 9           | 72.2             |                        |                        | 9.284088       |                         |
| 15      | 2     | 11          | 85.9             | 1892                   |                        | 9.885264       |                         |
| 16      | 3     | 20          | 99.1             | 1776                   | 1683                   | 10.531106      |                         |
| 17      | 2     | 17          | 58.6             | 1472                   |                        | 10.957612      |                         |
| 18      | 1     | 11          | 64.5             |                        |                        | 11.414709      |                         |

## Bin5 Statistics 19

CF=5268MHz

| Trial # | Pulse | Chirp (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          | 60.9             |                        |                        | 1.240362       | 1                       |
| 1       | 1     | 17          | 76.7             |                        |                        | 1.374039       |                         |
| 2       | 1     | 13          | 71.8             |                        |                        | 3.179543       |                         |
| 3       | 2     | 10          | 83.7             | 1252                   |                        | 5.154639       |                         |
| 4       | 2     | 10          | 78.3             | 1446                   |                        | 5.720791       |                         |
| 5       | 1     | 18          | 64.8             |                        |                        | 7.639759       |                         |
| 6       | 1     | 5           | 75.5             |                        |                        | 9.024317       |                         |
| 7       | 1     | 9           | 87.7             |                        |                        | 10.424272      |                         |
| 8       | 3     | 15          | 98.8             | 1281                   | 1802                   | 10.770324      |                         |

## Bin5 Statistics 20

CF=5259MHz

| Trial # | Pulse | Chirp (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           | 59.8             |                        |                        | 0.866728       | 1                       |
| 1       | 3     | 7           | 91.1             | 1940                   | 1807                   | 1.820332       |                         |
| 2       | 2     | 15          | 93.5             | 1568                   |                        | 2.603944       |                         |
| 3       | 3     | 11          | 93.9             | 1676                   | 1566                   | 4.518872       |                         |
| 4       | 2     | 15          | 72.1             | 1277                   |                        | 5.438057       |                         |
| 5       | 2     | 12          | 65               | 1880                   |                        | 6.203099       |                         |
| 6       | 2     | 7           | 71.1             | 1237                   |                        | 7.253559       |                         |
| 7       | 2     | 9           | 63.6             | 1487                   |                        | 8.401693       |                         |
| 8       | 2     | 14          | 60.2             | 1215                   |                        | 10.486081      |                         |
| 9       | 2     | 6           | 71.8             | 1662                   |                        | 11.235324      |                         |

## Bin5 Statistics 21

CF=5263MHz

| Trial # | Pulse | Chirp (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          | 96.9             |                        |                        | 0.08087        | 1                       |
| 1       | 2     | 6           | 68.1             | 1867                   |                        | 1.256822       |                         |
| 2       | 2     | 6           | 71.4             | 1304                   |                        | 3.218841       |                         |
| 3       | 2     | 9           | 78               | 1826                   |                        | 3.737979       |                         |
| 4       | 2     | 6           | 55.1             | 1341                   |                        | 4.8955         |                         |
| 5       | 1     | 18          | 87.1             |                        |                        | 6.514672       |                         |
| 6       | 1     | 16          | 86.1             |                        |                        | 6.753937       |                         |
| 7       | 3     | 12          | 56               | 1988                   | 1582                   | 7.722508       |                         |
| 8       | 2     | 7           | 72.1             | 1272                   |                        | 9.591387       |                         |
| 9       | 2     | 9           | 85.2             | 1096                   |                        | 10.610301      |                         |
| 10      | 2     | 19          | 52.5             | 1586                   |                        | 11.778031      |                         |



## Bin5 Statistics 22

CF=5268MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 1     | 5           | 76.2             |                        |                        | 0.182136       | 1                       |
| 1       | 1     | 9           | 50.9             |                        |                        | 1.030517       |                         |
| 2       | 3     | 7           | 73.1             | 1176                   | 1024                   | 1.437539       |                         |
| 3       | 1     | 10          | 97.8             |                        |                        | 2.300027       |                         |
| 4       | 2     | 8           | 88.2             | 1266                   |                        | 2.483146       |                         |
| 5       | 2     | 9           | 79.5             | 1449                   |                        | 3.264338       |                         |
| 6       | 1     | 18          | 57.5             |                        |                        | 4.113687       |                         |
| 7       | 2     | 8           | 86.6             | 1354                   |                        | 4.220402       |                         |
| 8       | 3     | 13          | 88.8             | 1726                   | 1266                   | 5.011437       |                         |
| 9       | 2     | 10          | 96.6             | 1539                   |                        | 5.686317       |                         |
| 10      | 2     | 13          | 69.5             | 1791                   |                        | 6.01091        |                         |
| 11      | 2     | 13          | 90.1             | 1177                   |                        | 7.17189        |                         |
| 12      | 2     | 5           | 57.8             | 1214                   |                        | 7.38192        |                         |
| 13      | 1     | 13          | 76.3             |                        |                        | 8.260015       |                         |
| 14      | 3     | 17          | 60.8             | 1807                   | 1166                   | 8.776048       |                         |
| 15      | 2     | 14          | 77               | 1387                   |                        | 9.275505       |                         |
| 16      | 3     | 12          | 94.9             | 1861                   | 1564                   | 9.873299       |                         |
| 17      | 1     | 10          | 71.1             |                        |                        | 10.472683      |                         |
| 18      | 3     | 12          | 85.6             | 1718                   | 1140                   | 10.9088        |                         |
| 19      | 2     | 7           | 79.3             | 1084                   |                        | 11.443699      |                         |

## Bin5 Statistics 23

CF=5271MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 1     | 13          | 99.9             |                        |                        | 0.630138       | 1                       |
| 1       | 1     | 9           | 89.5             |                        |                        | 0.977765       |                         |
| 2       | 2     | 20          | 79.8             | 1914                   |                        | 1.827752       |                         |
| 3       | 1     | 7           | 56.8             |                        |                        | 2.27057        |                         |
| 4       | 3     | 16          | 98.1             | 1917                   | 1036                   | 2.9329         |                         |
| 5       | 1     | 20          | 86.3             |                        |                        | 3.960121       |                         |
| 6       | 2     | 17          | 65.7             | 1126                   |                        | 4.475486       |                         |
| 7       | 2     | 13          | 54.3             | 1270                   |                        | 5.067771       |                         |
| 8       | 2     | 12          | 60.7             | 1375                   |                        | 6.043046       |                         |
| 9       | 2     | 9           | 51.4             | 1208                   |                        | 6.779544       |                         |
| 10      | 3     | 16          | 58.1             | 1660                   | 1062                   | 7.526796       |                         |
| 11      | 1     | 11          | 93.1             |                        |                        | 8.186323       |                         |
| 12      | 1     | 16          | 55.3             |                        |                        | 8.698178       |                         |
| 13      | 2     | 11          | 82.7             | 1755                   |                        | 9.356445       |                         |
| 14      | 2     | 16          | 80.5             | 1103                   |                        | 9.973646       |                         |
| 15      | 1     | 14          | 51.1             |                        |                        | 10.769467      |                         |
| 16      | 2     | 15          | 86.7             | 1259                   |                        | 11.567871      |                         |

## Bin5 Statistics 24

CF=5261MHz

| Trial # | Pulse | Chirp (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          | 54.6             | 1210                   | 1408                   | 0.294885       | 1                       |
| 1       | 2     | 10          | 67.2             | 1151                   |                        | 0.990604       |                         |
| 2       | 2     | 10          | 87.2             | 1654                   |                        | 2.026932       |                         |
| 3       | 1     | 15          | 56.3             |                        |                        | 2.953611       |                         |
| 4       | 3     | 16          | 52.8             | 1109                   | 1159                   | 3.478756       |                         |
| 5       | 2     | 5           | 51               | 1397                   |                        | 4.299767       |                         |
| 6       | 3     | 18          | 73.4             | 1380                   | 1686                   | 4.668218       |                         |
| 7       | 1     | 16          | 76.5             |                        |                        | 5.834016       |                         |
| 8       | 3     | 12          | 63.4             | 1368                   | 1320                   | 6.582197       |                         |
| 9       | 2     | 8           | 70.2             | 1020                   |                        | 6.901264       |                         |
| 10      | 2     | 12          | 60.1             | 1795                   |                        | 7.640894       |                         |
| 11      | 3     | 12          | 79.9             | 1654                   | 1779                   | 8.269425       |                         |
| 12      | 2     | 11          | 96.6             | 1505                   |                        | 9.450502       |                         |
| 13      | 2     | 12          | 99.5             | 1992                   |                        | 10.211192      |                         |
| 14      | 2     | 5           | 98.1             | 1587                   |                        | 10.792205      |                         |
| 15      | 2     | 13          | 93.6             | 1693                   |                        | 11.979427      |                         |

## Bin5 Statistics 25

CF=5276MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 7           | 84.2             | 1423                   |                        | 0.357368       | 1                       |
| 1       | 2     | 8           | 99.1             | 1632                   |                        | 1.630387       |                         |
| 2       | 2     | 5           | 55.7             | 1111                   |                        | 1.74441        |                         |
| 3       | 2     | 13          | 72               | 1409                   |                        | 2.754134       |                         |
| 4       | 1     | 14          | 75.5             |                        |                        | 4.005341       |                         |
| 5       | 3     | 6           | 97.4             | 1136                   | 1008                   | 4.851965       |                         |
| 6       | 2     | 18          | 100              | 1564                   |                        | 5.297233       |                         |
| 7       | 3     | 14          | 66.4             | 1895                   | 1112                   | 6.709611       |                         |
| 8       | 2     | 7           | 94.6             | 1266                   |                        | 7.128722       |                         |
| 9       | 2     | 7           | 85.4             | 1991                   |                        | 7.867252       |                         |
| 10      | 3     | 14          | 84.2             | 1440                   | 1901                   | 8.841054       |                         |
| 11      | 2     | 11          | 89.5             | 1791                   |                        | 9.911343       |                         |
| 12      | 2     | 18          | 52.5             | 1192                   |                        | 10.937029      |                         |
| 13      | 3     | 13          | 62               | 1673                   | 1153                   | 11.773766      |                         |

## Bin5 Statistics 26

CF=5257MHz

| Trial # | Pulse | Chirp (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          | 55.2             | 1648                   | 1473                   | 0.064727       | 1                       |
| 1       | 1     | 15          | 60.7             |                        |                        | 1.104496       |                         |
| 2       | 1     | 18          | 98.6             |                        |                        | 1.71395        |                         |
| 3       | 3     | 19          | 55.3             | 1049                   | 1298                   | 2.026621       |                         |
| 4       | 2     | 17          | 77.4             | 1508                   |                        | 2.663261       |                         |
| 5       | 2     | 13          | 72.4             | 1521                   |                        | 3.732845       |                         |
| 6       | 2     | 15          | 99.8             | 1053                   |                        | 3.854308       |                         |
| 7       | 2     | 7           | 67               | 1152                   |                        | 5.004606       |                         |
| 8       | 3     | 14          | 95.4             | 1823                   | 1327                   | 5.160695       |                         |
| 9       | 2     | 13          | 69.6             | 1448                   |                        | 6.035112       |                         |
| 10      | 2     | 14          | 93.5             | 1231                   |                        | 6.582751       |                         |
| 11      | 2     | 6           | 51.2             | 1718                   |                        | 7.172173       |                         |
| 12      | 1     | 16          | 57.5             |                        |                        | 8.161588       |                         |
| 13      | 1     | 12          | 72.6             |                        |                        | 8.474512       |                         |
| 14      | 2     | 13          | 85.9             | 1118                   |                        | 8.968792       |                         |
| 15      | 2     | 9           | 70.1             | 1894                   |                        | 9.970158       |                         |
| 16      | 1     | 9           | 95.5             |                        |                        | 10.141778      |                         |
| 17      | 3     | 15          | 91.5             | 1797                   | 1139                   | 11.006302      |                         |
| 18      | 1     | 16          | 68.7             |                        |                        | 11.708311      |                         |

## Bin5 Statistics 27

CF=5278MHz

| Trial # | Pulse | Chirp (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          | 64.8             | 1456                   | 1816                   | 0.428848       | 1                       |
| 1       | 1     | 8           | 86.4             |                        |                        | 0.854214       |                         |
| 2       | 2     | 8           | 60.3             | 1710                   |                        | 2.238519       |                         |
| 3       | 2     | 17          | 69.1             | 1601                   |                        | 2.325938       |                         |
| 4       | 1     | 9           | 76.9             |                        |                        | 3.622888       |                         |
| 5       | 3     | 8           | 74.4             | 1835                   | 1350                   | 4.447731       |                         |
| 6       | 2     | 9           | 95.9             | 1356                   |                        | 4.561457       |                         |
| 7       | 3     | 19          | 83.7             | 1084                   | 1598                   | 5.297564       |                         |
| 8       | 2     | 13          | 63.5             | 1606                   |                        | 6.392958       |                         |
| 9       | 2     | 9           | 66.6             | 1082                   |                        | 7.16706        |                         |
| 10      | 1     | 9           | 85.6             |                        |                        | 7.612331       |                         |
| 11      | 2     | 13          | 70.4             | 1118                   |                        | 8.579461       |                         |
| 12      | 3     | 16          | 97.2             | 1480                   | 1259                   | 9.529519       |                         |
| 13      | 1     | 16          | 61.9             |                        |                        | 10.022102      |                         |
| 14      | 2     | 7           | 50.5             | 1217                   |                        | 10.695707      |                         |
| 15      | 2     | 12          | 69.3             | 1253                   |                        | 11.292986      |                         |

## Bin5 Statistics 28

CF=5273MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 19          | 83.1             | 1214                   |                        | 0.096459       | 1                       |
| 1       | 3     | 20          | 98.9             | 1039                   | 1769                   | 1.397827       |                         |
| 2       | 2     | 19          | 62               | 1774                   |                        | 1.481398       |                         |
| 3       | 1     | 9           | 92.7             |                        |                        | 2.538273       |                         |
| 4       | 2     | 12          | 95.5             | 1210                   |                        | 3.005565       |                         |
| 5       | 2     | 14          | 86.6             | 1762                   |                        | 4.033014       |                         |
| 6       | 2     | 16          | 59.5             | 1203                   |                        | 4.863098       |                         |
| 7       | 1     | 6           | 88.3             |                        |                        | 5.554697       |                         |
| 8       | 2     | 5           | 54.7             | 1082                   |                        | 5.756517       |                         |
| 9       | 2     | 20          | 82.7             | 1898                   |                        | 6.582028       |                         |
| 10      | 3     | 7           | 83.7             | 1981                   | 1178                   | 7.490462       |                         |
| 11      | 2     | 15          | 91.9             | 1427                   |                        | 7.832103       |                         |
| 12      | 1     | 15          | 78.4             |                        |                        | 8.596193       |                         |
| 13      | 3     | 14          | 57.8             | 1271                   | 1606                   | 9.198894       |                         |
| 14      | 3     | 19          | 59.7             | 1544                   | 1729                   | 10.079265      |                         |
| 15      | 3     | 15          | 70.2             | 1380                   | 1333                   | 11.130794      |                         |
| 16      | 3     | 20          | 60.6             | 1736                   | 1024                   | 11.327229      |                         |

## Bin5 Statistics 29

CF=5264MHz

| Trial # | Pulse | Chirp (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          | 70.6             | 1572                   |                        | 0.79474        | 1                       |
| 1       | 1     | 13          | 78.8             |                        |                        | 1.41147        |                         |
| 2       | 2     | 10          | 64.9             | 1491                   |                        | 2.035383       |                         |
| 3       | 2     | 20          | 56.3             | 1381                   |                        | 2.667861       |                         |
| 4       | 1     | 18          | 54.3             |                        |                        | 4.025165       |                         |
| 5       | 2     | 16          | 89.7             | 1913                   |                        | 4.519779       |                         |
| 6       | 3     | 17          | 54.4             | 1262                   | 1124                   | 5.325794       |                         |
| 7       | 2     | 14          | 63.7             | 1548                   |                        | 6.21448        |                         |
| 8       | 2     | 17          | 62               | 1562                   |                        | 7.590305       |                         |
| 9       | 1     | 10          | 79.2             |                        |                        | 8.45561        |                         |
| 10      | 3     | 15          | 69.7             | 1336                   | 1574                   | 8.654472       |                         |
| 11      | 2     | 12          | 85.3             | 1579                   |                        | 10.118862      |                         |
| 12      | 2     | 6           | 60.4             | 1185                   |                        | 10.863706      |                         |
| 13      | 3     | 8           | 67.6             | 1809                   | 1695                   | 11.473707      |                         |

Bin5 Statistics 30

CF=5263MHz

| Trial # | Pulse | Chirp (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          | 50.5             |                        |                        | 0.178824       | 1                       |
| 1       | 3     | 7           | 56.9             | 1491                   | 1148                   | 1.314113       |                         |
| 2       | 2     | 19          | 55.4             | 1981                   |                        | 2.817314       |                         |
| 3       | 2     | 17          | 51               | 1770                   |                        | 3.415125       |                         |
| 4       | 3     | 8           | 56.8             | 1911                   | 1712                   | 4.000657       |                         |
| 5       | 2     | 10          | 54.1             | 1695                   |                        | 5.501065       |                         |
| 6       | 2     | 12          | 93.2             | 1780                   |                        | 6.058519       |                         |
| 7       | 2     | 14          | 89.3             | 1132                   |                        | 7.664502       |                         |
| 8       | 3     | 16          | 57.2             | 1383                   | 1627                   | 8.257697       |                         |
| 9       | 2     | 16          | 91.2             | 1882                   |                        | 9.35264        |                         |
| 10      | 3     | 13          | 62.7             | 1552                   | 1349                   | 10.440124      |                         |
| 11      | 3     | 6           | 66.2             | 1044                   | 1277                   | 11.690534      |                         |

Table-6 Radar Type 6 Statistical Performance

| Trial # | Fc (MHz) | Pulse /Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) | Hopping Sequence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------|----------|--------------|------------------|----------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | 5270     | 9            | 1                | 333      | 1                       | 5336.0, 5407.0, 5355.0, 5512.0, 5318.0, 5530.0, 5478.0, 5411.0, 5366.0, 5317.0, 5622.0, 5588.0, 5253.0, 5504.0, 5489.0, 5298.0, 5714.0, 5508.0, 5628.0, 5716.0, 5438.0, 5614.0, 5363.0, 5699.0, 5477.0, 5584.0, 5395.0, 5559.0, 5573.0, 5540.0, 5269.0, 5457.0, 5292.0, 5331.0, 5309.0, 5553.0, 5445.0, 5451.0, 5545.0, 5416.0, 5440.0, 5360.0, 5278.0, 5324.0, 5656.0, 5579.0, 5419.0, 5499.0, 5650.0, 5646.0, 5444.0, 5641.0, 5426.0, 5604.0, 5663.0, 5464.0, 5379.0, 5294.0, 5251.0, 5528.0, 5453.0, 5431.0, 5511.0, 5506.0, 5675.0, 5361.0, 5252.0, 5314.0, 5486.0, 5481.0, 5595.0, 5383.0, 5388.0, 5460.0, 5424.0, 5301.0, 5368.0, 5682.0, 5339.0, 5410.0, 5679.0, 5703.0, 5670.0, 5538.0, 5341.0, 5567.0, 5636.0, 5359.0, 5680.0, 5596.0, 5370.0, 5562.0, 5602.0, 5387.0, 5624.0, 5255.0, 5629.0, 5715.0, 5449.0, 5432.0<br>(number of hits: 6)  |
| 2       | 5270     | 9            | 1                | 333      | 1                       | 5441.0, 5690.0, 5468.0, 5390.0, 5717.0, 5686.0, 5534.0, 5626.0, 5439.0, 5287.0, 5286.0, 5550.0, 5525.0, 5684.0, 5405.0, 5622.0, 5688.0, 5612.0, 5499.0, 5308.0, 5463.0, 5639.0, 5464.0, 5556.0, 5310.0, 5535.0, 5316.0, 5460.0, 5435.0, 5265.0, 5432.0, 5331.0, 5396.0, 5376.0, 5251.0, 5698.0, 5352.0, 5559.0, 5649.0, 5305.0, 5721.0, 5523.0, 5495.0, 5566.0, 5652.0, 5615.0, 5474.0, 5687.0, 5664.0, 5386.0, 5259.0, 5260.0, 5603.0, 5444.0, 5446.0, 5291.0, 5580.0, 5569.0, 5425.0, 5712.0, 5298.0, 5667.0, 5627.0, 5519.0, 5509.0, 5537.0, 5539.0, 5325.0, 5696.0, 5411.0, 5524.0, 5267.0, 5507.0, 5295.0, 5420.0, 5382.0, 5357.0, 5527.0, 5611.0, 5360.0, 5668.0, 5336.0, 5623.0, 5595.0, 5398.0, 5346.0, 5289.0, 5653.0, 5536.0, 5655.0, 5660.0, 5275.0, 5459.0, 5585.0, 5426.0, 5714.0, 5576.0, 5278.0, 5466.0, 5335.0<br>(number of hits: 10) |
| 3       | 5270     | 9            | 1                | 333      | 1                       | 5685.0, 5388.0, 5472.0, 5574.0, 5311.0, 5618.0, 5428.0, 5645.0, 5682.0, 5625.0, 5579.0, 5705.0, 5566.0, 5703.0, 5629.0, 5376.0, 5380.0, 5397.0, 5666.0, 5287.0, 5697.0, 5597.0, 5256.0, 5706.0, 5370.0, 5589.0, 5324.0, 5663.0, 5252.0, 5468.0, 5432.0, 5259.0, 5268.0, 5422.0, 5288.0, 5647.0, 5515.0, 5484.0, 5367.0, 5614.0, 5583.0, 5358.0, 5453.0, 5487.0, 5661.0, 5326.0, 5363.0, 5471.0, 5354.0, 5708.0, 5552.0, 5616.0, 5410.0, 5674.0, 5334.0, 5678.0, 5364.0, 5292.0, 5601.0, 5474.0,                                                                                                                                                                                                                                                                                                                                                        |



|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 5374.0, 5584.0, 5310.0, 5378.0, 5557.0, 5514.0, 5386.0, 5669.0, 5648.0, 5693.0, 5628.0, 5331.0, 5611.0, 5619.0, 5264.0, 5699.0, 5439.0, 5639.0, 5712.0, 5508.0, 5398.0, 5701.0, 5448.0, 5300.0, 5573.0, 5272.0, 5677.0, 5723.0, 5667.0, 5722.0, 5511.0, 5323.0, 5425.0, 5440.0, 5390.0, 5541.0, 5282.0, 5418.0, 5414.0, 5302.0<br>(number of hits: 9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4 | 5270 | 9 | 1 | 333 | 1 | 5339.0, 5486.0, 5475.0, 5356.0, 5495.0, 5662.0, 5306.0, 5298.0, 5348.0, 5338.0, 5402.0, 5359.0, 5540.0, 5493.0, 5685.0, 5439.0, 5377.0, 5408.0, 5262.0, 5434.0, 5462.0, 5347.0, 5471.0, 5446.0, 5525.0, 5397.0, 5724.0, 5710.0, 5335.0, 5310.0, 5384.0, 5436.0, 5405.0, 5322.0, 5361.0, 5383.0, 5443.0, 5596.0, 5290.0, 5579.0, 5422.0, 5697.0, 5591.0, 5598.0, 5368.0, 5686.0, 5584.0, 5703.0, 5544.0, 5625.0, 5600.0, 5708.0, 5409.0, 5627.0, 5711.0, 5582.0, 5299.0, 5433.0, 5659.0, 5601.0, 5597.0, 5363.0, 5480.0, 5505.0, 5623.0, 5682.0, 5631.0, 5550.0, 5454.0, 5351.0, 5512.0, 5404.0, 5690.0, 5673.0, 5428.0, 5382.0, 5568.0, 5481.0, 5452.0, 5279.0, 5329.0, 5530.0, 5386.0, 5387.0, 5385.0, 5575.0, 5336.0, 5435.0, 5716.0, 5655.0, 5292.0, 5536.0, 5660.0, 5400.0, 5522.0, 5561.0, 5330.0, 5611.0, 5319.0, 5271.0<br>(number of hits: 3) |
| 5 | 5270 | 9 | 1 | 333 | 1 | 5705.0, 5334.0, 5681.0, 5663.0, 5311.0, 5583.0, 5704.0, 5281.0, 5284.0, 5360.0, 5677.0, 5389.0, 5646.0, 5479.0, 5567.0, 5578.0, 5357.0, 5640.0, 5597.0, 5645.0, 5326.0, 5261.0, 5548.0, 5294.0, 5675.0, 5458.0, 5539.0, 5356.0, 5699.0, 5379.0, 5367.0, 5722.0, 5624.0, 5384.0, 5399.0, 5313.0, 5585.0, 5428.0, 5343.0, 5385.0, 5574.0, 5269.0, 5572.0, 5490.0, 5696.0, 5425.0, 5265.0, 5602.0, 5555.0, 5253.0, 5419.0, 5504.0, 5518.0, 5453.0, 5454.0, 5713.0, 5456.0, 5643.0, 5414.0, 5268.0, 5565.0, 5378.0, 5660.0, 5589.0, 5636.0, 5666.0, 5706.0, 5297.0, 5718.0, 5452.0, 5455.0, 5554.0, 5614.0, 5598.0, 5579.0, 5280.0, 5469.0, 5688.0, 5550.0, 5665.0, 5393.0, 5407.0, 5320.0, 5530.0, 5374.0, 5255.0, 5607.0, 5628.0, 5544.0, 5418.0, 5296.0, 5563.0, 5720.0, 5310.0, 5655.0, 5692.0, 5438.0, 5647.0, 5349.0, 5641.0<br>(number of hits: 9) |
| 6 | 5270 | 9 | 1 | 333 | 1 | 5702.0, 5267.0, 5365.0, 5388.0, 5637.0, 5541.0, 5429.0, 5475.0, 5447.0, 5393.0, 5487.0, 5657.0, 5546.0, 5341.0, 5550.0, 5669.0, 5454.0, 5347.0, 5675.0, 5626.0, 5335.0, 5668.0, 5505.0, 5422.0, 5575.0, 5333.0, 5654.0, 5397.0, 5600.0, 5411.0, 5460.0, 5275.0, 5615.0, 5366.0, 5605.0, 5548.0, 5691.0, 5346.0, 5601.0, 5338.0, 5371.0, 5253.0, 5625.0, 5652.0, 5479.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 5649.0, 5542.0, 5283.0, 5250.0, 5255.0, 5324.0, 5627.0, 5580.0, 5592.0, 5339.0, 5701.0, 5478.0, 5469.0, 5348.0, 5604.0, 5667.0, 5651.0, 5556.0, 5367.0, 5712.0, 5295.0, 5509.0, 5400.0, 5720.0, 5653.0, 5538.0, 5561.0, 5459.0, 5252.0, 5639.0, 5375.0, 5584.0, 5562.0, 5717.0, 5336.0, 5618.0, 5655.0, 5521.0, 5602.0, 5297.0, 5383.0, 5294.0, 5318.0, 5510.0, 5710.0, 5281.0, 5369.0, 5520.0, 5718.0, 5279.0, 5693.0, 5617.0, 5278.0, 5379.0, 5508.0<br>(number of hits: 10)                                                                                                                                                                                                                                                                                                                                                                         |
| 7 | 5270 | 9 | 1 | 333 | 1 | 5297.0, 5372.0, 5550.0, 5460.0, 5624.0, 5621.0, 5375.0, 5347.0, 5707.0, 5628.0, 5492.0, 5688.0, 5614.0, 5342.0, 5524.0, 5500.0, 5361.0, 5585.0, 5656.0, 5397.0, 5394.0, 5529.0, 5601.0, 5354.0, 5322.0, 5615.0, 5471.0, 5291.0, 5378.0, 5339.0, 5651.0, 5429.0, 5287.0, 5386.0, 5589.0, 5423.0, 5333.0, 5391.0, 5435.0, 5326.0, 5490.0, 5399.0, 5383.0, 5406.0, 5691.0, 5590.0, 5696.0, 5412.0, 5356.0, 5432.0, 5302.0, 5506.0, 5392.0, 5408.0, 5701.0, 5613.0, 5605.0, 5448.0, 5689.0, 5454.0, 5569.0, 5267.0, 5438.0, 5587.0, 5676.0, 5672.0, 5374.0, 5278.0, 5279.0, 5486.0, 5396.0, 5665.0, 5258.0, 5280.0, 5331.0, 5441.0, 5337.0, 5271.0, 5277.0, 5431.0, 5502.0, 5666.0, 5453.0, 5599.0, 5682.0, 5559.0, 5523.0, 5476.0, 5508.0, 5274.0, 5571.0, 5444.0, 5498.0, 5657.0, 5660.0, 5606.0, 5512.0, 5488.0, 5430.0, 5483.0<br>(number of hits: 9)  |
| 8 | 5270 | 9 | 1 | 333 | 1 | 5363.0, 5442.0, 5389.0, 5457.0, 5358.0, 5453.0, 5256.0, 5586.0, 5648.0, 5297.0, 5539.0, 5468.0, 5341.0, 5333.0, 5402.0, 5335.0, 5686.0, 5464.0, 5667.0, 5380.0, 5693.0, 5315.0, 5675.0, 5707.0, 5426.0, 5573.0, 5273.0, 5314.0, 5545.0, 5559.0, 5340.0, 5337.0, 5352.0, 5264.0, 5331.0, 5666.0, 5708.0, 5492.0, 5661.0, 5360.0, 5467.0, 5254.0, 5497.0, 5635.0, 5355.0, 5694.0, 5482.0, 5712.0, 5283.0, 5679.0, 5602.0, 5596.0, 5420.0, 5674.0, 5717.0, 5685.0, 5582.0, 5323.0, 5556.0, 5611.0, 5391.0, 5574.0, 5583.0, 5403.0, 5281.0, 5720.0, 5338.0, 5560.0, 5346.0, 5512.0, 5585.0, 5287.0, 5255.0, 5634.0, 5621.0, 5665.0, 5259.0, 5508.0, 5516.0, 5450.0, 5274.0, 5494.0, 5416.0, 5369.0, 5436.0, 5393.0, 5266.0, 5618.0, 5385.0, 5381.0, 5599.0, 5448.0, 5485.0, 5531.0, 5455.0, 5594.0, 5476.0, 5572.0, 5443.0, 5578.0<br>(number of hits: 11) |
| 9 | 5270 | 9 | 1 | 333 | 1 | 5668.0, 5435.0, 5460.0, 5542.0, 5349.0, 5315.0, 5555.0, 5573.0, 5424.0, 5520.0, 5534.0, 5552.0, 5615.0, 5531.0, 5624.0, 5530.0, 5280.0, 5688.0, 5495.0, 5412.0, 5621.0, 5465.0, 5343.0, 5402.0, 5722.0, 5633.0, 5674.0, 5608.0, 5275.0, 5582.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5546.0, 5386.0, 5313.0, 5406.0, 5580.0, 5410.0, 5355.0, 5346.0, 5270.0, 5538.0, 5675.0, 5695.0, 5504.0, 5514.0, 5459.0, 5719.0, 5561.0, 5327.0, 5340.0, 5385.0, 5453.0, 5341.0, 5393.0, 5263.0, 5448.0, 5522.0, 5559.0, 5606.0, 5653.0, 5454.0, 5321.0, 5590.0, 5710.0, 5491.0, 5661.0, 5690.0, 5380.0, 5620.0, 5365.0, 5575.0, 5593.0, 5723.0, 5372.0, 5694.0, 5295.0, 5657.0, 5283.0, 5430.0, 5568.0, 5699.0, 5373.0, 5487.0, 5306.0, 5467.0, 5397.0, 5390.0, 5287.0, 5300.0, 5650.0, 5628.0, 5673.0, 5639.0, 5470.0, 5512.0, 5290.0, 5324.0, 5493.0, 5623.0, 5405.0, 5350.0<br>(number of hits: 6)                                                                                                                                                                                                                                                  |
| 10 | 5270 | 9 | 1 | 333 | 1 | 5380.0, 5646.0, 5587.0, 5617.0, 5285.0, 5565.0, 5616.0, 5436.0, 5438.0, 5382.0, 5466.0, 5563.0, 5662.0, 5432.0, 5269.0, 5615.0, 5557.0, 5704.0, 5469.0, 5328.0, 5645.0, 5365.0, 5679.0, 5300.0, 5572.0, 5443.0, 5541.0, 5643.0, 5525.0, 5648.0, 5548.0, 5578.0, 5673.0, 5418.0, 5462.0, 5642.0, 5721.0, 5332.0, 5577.0, 5529.0, 5364.0, 5610.0, 5496.0, 5687.0, 5276.0, 5473.0, 5261.0, 5688.0, 5346.0, 5376.0, 5550.0, 5356.0, 5277.0, 5713.0, 5257.0, 5632.0, 5634.0, 5270.0, 5474.0, 5363.0, 5266.0, 5627.0, 5319.0, 5321.0, 5385.0, 5477.0, 5282.0, 5427.0, 5313.0, 5330.0, 5709.0, 5411.0, 5651.0, 5716.0, 5614.0, 5564.0, 5609.0, 5582.0, 5653.0, 5414.0, 5422.0, 5271.0, 5381.0, 5309.0, 5560.0, 5519.0, 5254.0, 5663.0, 5567.0, 5492.0, 5402.0, 5618.0, 5256.0, 5450.0, 5394.0, 5585.0, 5520.0, 5314.0, 5303.0, 5689.0<br>(number of hits: 12) |
| 11 | 5270 | 9 | 1 | 333 | 1 | 5343.0, 5277.0, 5298.0, 5641.0, 5433.0, 5659.0, 5662.0, 5385.0, 5299.0, 5304.0, 5487.0, 5585.0, 5402.0, 5459.0, 5444.0, 5562.0, 5690.0, 5672.0, 5612.0, 5583.0, 5295.0, 5544.0, 5557.0, 5450.0, 5624.0, 5677.0, 5549.0, 5368.0, 5563.0, 5280.0, 5297.0, 5701.0, 5622.0, 5638.0, 5497.0, 5420.0, 5406.0, 5568.0, 5521.0, 5473.0, 5660.0, 5371.0, 5591.0, 5534.0, 5663.0, 5610.0, 5509.0, 5650.0, 5495.0, 5546.0, 5636.0, 5552.0, 5255.0, 5472.0, 5596.0, 5644.0, 5501.0, 5254.0, 5290.0, 5614.0, 5305.0, 5507.0, 5282.0, 5556.0, 5682.0, 5623.0, 5389.0, 5703.0, 5595.0, 5322.0, 5535.0, 5607.0, 5330.0, 5547.0, 5435.0, 5566.0, 5617.0, 5271.0, 5309.0, 5378.0, 5369.0, 5503.0, 5458.0, 5327.0, 5419.0, 5621.0, 5356.0, 5446.0, 5333.0, 5427.0, 5388.0, 5291.0, 5292.0, 5306.0, 5618.0, 5390.0, 5512.0, 5697.0, 5312.0, 5457.0<br>(number of hits: 6)  |
| 12 | 5270 | 9 | 1 | 333 | 1 | 5635.0, 5656.0, 5436.0, 5477.0, 5561.0, 5679.0, 5371.0, 5673.0, 5406.0, 5443.0, 5331.0, 5615.0, 5403.0, 5546.0, 5572.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|------|---|---|-----|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5459.0, 5691.0, 5298.0, 5659.0, 5351.0, 5350.0, 5458.0, 5555.0, 5507.0, 5639.0, 5430.0, 5366.0, 5523.0, 5465.0, 5432.0, 5649.0, 5462.0, 5642.0, 5451.0, 5435.0, 5384.0, 5377.0, 5710.0, 5571.0, 5699.0, 5629.0, 5620.0, 5317.0, 5653.0, 5398.0, 5528.0, 5279.0, 5633.0, 5707.0, 5253.0, 5431.0, 5502.0, 5414.0, 5519.0, 5636.0, 5503.0, 5487.0, 5469.0, 5353.0, 5644.0, 5395.0, 5520.0, 5281.0, 5646.0, 5717.0, 5593.0, 5255.0, 5254.0, 5513.0, 5433.0, 5441.0, 5666.0, 5670.0, 5484.0, 5326.0, 5674.0, 5480.0, 5549.0, 5299.0, 5533.0, 5573.0, 5501.0, 5302.0, 5711.0, 5274.0, 5703.0, 5294.0, 5539.0, 5252.0, 5547.0, 5605.0, 5346.0, 5557.0, 5418.0, 5259.0, 5442.0, 5297.0, 5693.0, 5591.0, 5394.0<br>(number of hits: 8 )                                                                                                                          |
| 13 | 5270 | 9 | 1 | 333 | 1 | 5703.0, 5667.0, 5318.0, 5317.0, 5672.0, 5282.0, 5355.0, 5669.0, 5595.0, 5581.0, 5335.0, 5640.0, 5718.0, 5510.0, 5617.0, 5264.0, 5721.0, 5272.0, 5481.0, 5664.0, 5366.0, 5521.0, 5409.0, 5331.0, 5367.0, 5547.0, 5520.0, 5444.0, 5502.0, 5522.0, 5277.0, 5584.0, 5507.0, 5544.0, 5563.0, 5417.0, 5685.0, 5358.0, 5570.0, 5458.0, 5341.0, 5400.0, 5296.0, 5362.0, 5259.0, 5281.0, 5384.0, 5298.0, 5516.0, 5661.0, 5334.0, 5588.0, 5350.0, 5589.0, 5365.0, 5374.0, 5401.0, 5650.0, 5514.0, 5267.0, 5250.0, 5268.0, 5323.0, 5333.0, 5484.0, 5623.0, 5710.0, 5356.0, 5407.0, 5353.0, 5506.0, 5332.0, 5677.0, 5468.0, 5357.0, 5532.0, 5426.0, 5567.0, 5681.0, 5534.0, 5645.0, 5673.0, 5592.0, 5528.0, 5291.0, 5557.0, 5443.0, 5459.0, 5270.0, 5580.0, 5485.0, 5288.0, 5418.0, 5711.0, 5455.0, 5576.0, 5413.0, 5486.0, 5496.0, 5470.0<br>(number of hits: 11 ) |
| 14 | 5270 | 9 | 1 | 333 | 1 | 5706.0, 5606.0, 5491.0, 5681.0, 5522.0, 5686.0, 5308.0, 5592.0, 5523.0, 5384.0, 5290.0, 5579.0, 5634.0, 5542.0, 5703.0, 5531.0, 5374.0, 5477.0, 5300.0, 5708.0, 5481.0, 5304.0, 5480.0, 5274.0, 5398.0, 5310.0, 5611.0, 5601.0, 5340.0, 5292.0, 5320.0, 5465.0, 5684.0, 5630.0, 5701.0, 5614.0, 5624.0, 5605.0, 5483.0, 5452.0, 5428.0, 5276.0, 5668.0, 5451.0, 5575.0, 5594.0, 5659.0, 5294.0, 5637.0, 5485.0, 5572.0, 5567.0, 5547.0, 5676.0, 5376.0, 5493.0, 5517.0, 5642.0, 5500.0, 5441.0, 5401.0, 5682.0, 5385.0, 5609.0, 5501.0, 5548.0, 5694.0, 5360.0, 5449.0, 5427.0, 5388.0, 5502.0, 5445.0, 5497.0, 5717.0, 5406.0, 5613.0, 5474.0, 5672.0, 5332.0, 5607.0, 5345.0, 5328.0, 5543.0, 5393.0, 5391.0, 5442.0, 5379.0, 5536.0, 5408.0, 5525.0, 5435.0, 5257.0, 5462.0, 5675.0, 5651.0, 5670.0, 5317.0, 5711.0, 5367.0<br>(number of hits: 3 )  |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15 | 5270 | 9 | 1 | 333 | 1 | 5344.0, 5264.0, 5507.0, 5433.0, 5519.0, 5279.0, 5644.0, 5402.0, 5283.0, 5340.0, 5631.0, 5582.0, 5577.0, 5282.0, 5545.0, 5494.0, 5405.0, 5392.0, 5541.0, 5712.0, 5307.0, 5472.0, 5432.0, 5466.0, 5397.0, 5614.0, 5375.0, 5701.0, 5398.0, 5502.0, 5636.0, 5693.0, 5702.0, 5588.0, 5451.0, 5612.0, 5298.0, 5633.0, 5499.0, 5316.0, 5594.0, 5489.0, 5532.0, 5716.0, 5476.0, 5686.0, 5690.0, 5267.0, 5384.0, 5501.0, 5257.0, 5717.0, 5363.0, 5440.0, 5373.0, 5455.0, 5478.0, 5258.0, 5263.0, 5379.0, 5404.0, 5675.0, 5697.0, 5652.0, 5705.0, 5509.0, 5592.0, 5325.0, 5660.0, 5464.0, 5663.0, 5503.0, 5598.0, 5329.0, 5406.0, 5380.0, 5482.0, 5302.0, 5665.0, 5723.0, 5394.0, 5417.0, 5645.0, 5673.0, 5531.0, 5517.0, 5490.0, 5486.0, 5696.0, 5357.0, 5522.0, 5435.0, 5387.0, 5487.0, 5515.0, 5288.0, 5403.0, 5337.0, 5469.0, 5710.0<br>(number of hits: 9)  |
| 16 | 5270 | 9 | 1 | 333 | 1 | 5505.0, 5500.0, 5284.0, 5545.0, 5503.0, 5570.0, 5400.0, 5349.0, 5326.0, 5393.0, 5335.0, 5575.0, 5454.0, 5371.0, 5675.0, 5356.0, 5344.0, 5283.0, 5299.0, 5406.0, 5516.0, 5681.0, 5559.0, 5662.0, 5265.0, 5581.0, 5715.0, 5304.0, 5713.0, 5524.0, 5721.0, 5583.0, 5324.0, 5507.0, 5546.0, 5478.0, 5587.0, 5718.0, 5254.0, 5342.0, 5385.0, 5399.0, 5359.0, 5307.0, 5442.0, 5414.0, 5544.0, 5251.0, 5390.0, 5616.0, 5597.0, 5489.0, 5504.0, 5606.0, 5550.0, 5420.0, 5637.0, 5378.0, 5578.0, 5333.0, 5543.0, 5257.0, 5380.0, 5368.0, 5391.0, 5474.0, 5289.0, 5341.0, 5611.0, 5664.0, 5388.0, 5438.0, 5472.0, 5508.0, 5258.0, 5263.0, 5419.0, 5626.0, 5405.0, 5471.0, 5266.0, 5259.0, 5521.0, 5303.0, 5519.0, 5586.0, 5513.0, 5422.0, 5522.0, 5547.0, 5479.0, 5396.0, 5622.0, 5615.0, 5291.0, 5416.0, 5466.0, 5285.0, 5644.0, 5296.0<br>(number of hits: 12) |
| 17 | 5270 | 9 | 1 | 333 | 1 | 5289.0, 5362.0, 5686.0, 5552.0, 5491.0, 5335.0, 5354.0, 5314.0, 5382.0, 5260.0, 5341.0, 5347.0, 5615.0, 5628.0, 5456.0, 5254.0, 5588.0, 5513.0, 5688.0, 5393.0, 5451.0, 5618.0, 5372.0, 5450.0, 5599.0, 5350.0, 5695.0, 5420.0, 5299.0, 5294.0, 5641.0, 5512.0, 5258.0, 5312.0, 5264.0, 5468.0, 5650.0, 5453.0, 5370.0, 5316.0, 5280.0, 5488.0, 5386.0, 5342.0, 5438.0, 5612.0, 5417.0, 5446.0, 5308.0, 5608.0, 5632.0, 5457.0, 5336.0, 5324.0, 5345.0, 5668.0, 5311.0, 5635.0, 5343.0, 5483.0, 5321.0, 5518.0, 5555.0, 5452.0, 5544.0, 5613.0, 5315.0, 5652.0, 5567.0, 5256.0, 5624.0, 5255.0, 5463.0, 5510.0, 5489.0, 5466.0, 5577.0, 5293.0, 5571.0, 5572.0, 5492.0, 5458.0, 5261.0, 5482.0, 5484.0, 5471.0, 5674.0, 5657.0, 5538.0, 5334.0,                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5274.0, 5437.0, 5305.0, 5721.0, 5388.0, 5318.0, 5431.0, 5269.0, 5326.0, 5685.0<br>(number of hits: 11)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 18 | 5270 | 9 | 1 | 333 | 1 | 5650.0, 5268.0, 5258.0, 5598.0, 5447.0, 5436.0, 5638.0, 5569.0, 5696.0, 5565.0, 5263.0, 5619.0, 5584.0, 5480.0, 5462.0, 5393.0, 5382.0, 5426.0, 5641.0, 5606.0, 5476.0, 5703.0, 5412.0, 5444.0, 5319.0, 5537.0, 5571.0, 5591.0, 5394.0, 5470.0, 5612.0, 5534.0, 5532.0, 5692.0, 5348.0, 5542.0, 5585.0, 5334.0, 5301.0, 5287.0, 5639.0, 5475.0, 5356.0, 5495.0, 5713.0, 5290.0, 5695.0, 5346.0, 5547.0, 5355.0, 5560.0, 5539.0, 5377.0, 5464.0, 5550.0, 5284.0, 5575.0, 5325.0, 5465.0, 5292.0, 5644.0, 5452.0, 5491.0, 5623.0, 5474.0, 5468.0, 5507.0, 5401.0, 5352.0, 5397.0, 5386.0, 5307.0, 5531.0, 5341.0, 5514.0, 5359.0, 5400.0, 5322.0, 5618.0, 5309.0, 5288.0, 5656.0, 5662.0, 5343.0, 5723.0, 5558.0, 5327.0, 5432.0, 5602.0, 5682.0, 5704.0, 5592.0, 5434.0, 5640.0, 5429.0, 5313.0, 5688.0, 5437.0, 5421.0, 5510.0<br>(number of hits: 6)  |
| 19 | 5270 | 9 | 1 | 333 | 1 | 5253.0, 5715.0, 5607.0, 5670.0, 5716.0, 5484.0, 5280.0, 5698.0, 5507.0, 5527.0, 5642.0, 5634.0, 5602.0, 5572.0, 5512.0, 5692.0, 5551.0, 5315.0, 5276.0, 5568.0, 5441.0, 5608.0, 5633.0, 5300.0, 5712.0, 5501.0, 5288.0, 5343.0, 5696.0, 5517.0, 5419.0, 5652.0, 5631.0, 5469.0, 5724.0, 5539.0, 5486.0, 5471.0, 5262.0, 5337.0, 5364.0, 5581.0, 5656.0, 5313.0, 5410.0, 5490.0, 5629.0, 5463.0, 5464.0, 5655.0, 5624.0, 5611.0, 5391.0, 5472.0, 5461.0, 5413.0, 5700.0, 5475.0, 5480.0, 5418.0, 5264.0, 5289.0, 5557.0, 5381.0, 5307.0, 5268.0, 5676.0, 5263.0, 5322.0, 5582.0, 5457.0, 5533.0, 5579.0, 5678.0, 5324.0, 5663.0, 5326.0, 5606.0, 5587.0, 5609.0, 5477.0, 5270.0, 5714.0, 5673.0, 5580.0, 5552.0, 5713.0, 5560.0, 5385.0, 5542.0, 5389.0, 5650.0, 5255.0, 5538.0, 5357.0, 5277.0, 5674.0, 5372.0, 5719.0, 5481.0<br>(number of hits: 12) |
| 20 | 5270 | 9 | 1 | 333 | 1 | 5355.0, 5360.0, 5404.0, 5693.0, 5599.0, 5334.0, 5533.0, 5631.0, 5579.0, 5401.0, 5547.0, 5541.0, 5699.0, 5351.0, 5448.0, 5327.0, 5421.0, 5707.0, 5278.0, 5514.0, 5626.0, 5719.0, 5720.0, 5494.0, 5367.0, 5500.0, 5595.0, 5646.0, 5578.0, 5346.0, 5457.0, 5687.0, 5538.0, 5338.0, 5408.0, 5300.0, 5395.0, 5436.0, 5709.0, 5614.0, 5669.0, 5702.0, 5456.0, 5648.0, 5711.0, 5467.0, 5410.0, 5667.0, 5542.0, 5396.0, 5586.0, 5261.0, 5539.0, 5343.0, 5402.0, 5679.0, 5659.0, 5700.0, 5430.0, 5587.0, 5570.0, 5299.0, 5517.0, 5677.0, 5288.0, 5563.0, 5352.0, 5298.0, 5311.0, 5303.0, 5349.0, 5532.0, 5607.0, 5325.0, 5446.0,                                                                                                                                                                                                                                |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5258.0, 5511.0, 5382.0, 5285.0, 5531.0, 5379.0, 5580.0, 5491.0, 5405.0, 5463.0, 5250.0, 5696.0, 5432.0, 5488.0, 5306.0, 5431.0, 5483.0, 5617.0, 5524.0, 5701.0, 5302.0, 5716.0, 5603.0, 5490.0, 5266.0<br>(number of hits: 7 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 21 | 5270 | 9 | 1 | 333 | 1 | 5300.0, 5658.0, 5347.0, 5433.0, 5657.0, 5255.0, 5481.0, 5474.0, 5444.0, 5505.0, 5634.0, 5645.0, 5397.0, 5440.0, 5480.0, 5423.0, 5387.0, 5465.0, 5404.0, 5414.0, 5258.0, 5523.0, 5410.0, 5594.0, 5386.0, 5282.0, 5369.0, 5683.0, 5660.0, 5330.0, 5566.0, 5583.0, 5713.0, 5325.0, 5627.0, 5395.0, 5284.0, 5710.0, 5664.0, 5437.0, 5317.0, 5488.0, 5709.0, 5412.0, 5467.0, 5491.0, 5385.0, 5711.0, 5655.0, 5479.0, 5318.0, 5687.0, 5502.0, 5463.0, 5453.0, 5584.0, 5435.0, 5470.0, 5484.0, 5649.0, 5705.0, 5712.0, 5615.0, 5301.0, 5445.0, 5630.0, 5295.0, 5456.0, 5538.0, 5553.0, 5281.0, 5383.0, 5459.0, 5616.0, 5487.0, 5560.0, 5698.0, 5661.0, 5361.0, 5532.0, 5673.0, 5297.0, 5328.0, 5577.0, 5411.0, 5357.0, 5471.0, 5628.0, 5498.0, 5562.0, 5384.0, 5557.0, 5344.0, 5579.0, 5477.0, 5701.0, 5696.0, 5468.0, 5680.0, 5310.0<br>(number of hits: 5 ) |
| 22 | 5270 | 9 | 1 | 333 | 1 | 5319.0, 5408.0, 5399.0, 5719.0, 5457.0, 5568.0, 5541.0, 5676.0, 5559.0, 5470.0, 5449.0, 5327.0, 5571.0, 5435.0, 5463.0, 5416.0, 5315.0, 5514.0, 5538.0, 5387.0, 5328.0, 5405.0, 5565.0, 5283.0, 5475.0, 5686.0, 5361.0, 5420.0, 5458.0, 5654.0, 5579.0, 5643.0, 5498.0, 5675.0, 5378.0, 5519.0, 5706.0, 5625.0, 5323.0, 5434.0, 5683.0, 5294.0, 5414.0, 5604.0, 5556.0, 5309.0, 5284.0, 5590.0, 5388.0, 5515.0, 5512.0, 5536.0, 5384.0, 5459.0, 5540.0, 5385.0, 5637.0, 5357.0, 5312.0, 5626.0, 5699.0, 5570.0, 5491.0, 5338.0, 5316.0, 5650.0, 5690.0, 5256.0, 5587.0, 5636.0, 5714.0, 5313.0, 5653.0, 5697.0, 5594.0, 5549.0, 5573.0, 5546.0, 5501.0, 5657.0, 5584.0, 5377.0, 5262.0, 5318.0, 5563.0, 5656.0, 5537.0, 5511.0, 5296.0, 5255.0, 5333.0, 5455.0, 5426.0, 5577.0, 5532.0, 5700.0, 5386.0, 5290.0, 5340.0, 5575.0<br>(number of hits: 5 ) |
| 23 | 5270 | 9 | 1 | 333 | 1 | 5703.0, 5335.0, 5535.0, 5354.0, 5594.0, 5682.0, 5550.0, 5642.0, 5598.0, 5404.0, 5539.0, 5699.0, 5722.0, 5685.0, 5368.0, 5498.0, 5327.0, 5287.0, 5365.0, 5286.0, 5691.0, 5486.0, 5343.0, 5538.0, 5640.0, 5523.0, 5664.0, 5490.0, 5473.0, 5306.0, 5643.0, 5588.0, 5577.0, 5658.0, 5573.0, 5499.0, 5590.0, 5452.0, 5481.0, 5418.0, 5438.0, 5494.0, 5317.0, 5650.0, 5540.0, 5312.0, 5641.0, 5254.0, 5607.0, 5382.0, 5690.0, 5625.0, 5694.0, 5554.0, 5565.0, 5628.0, 5472.0, 5646.0, 5388.0, 5527.0,                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5688.0, 5600.0, 5465.0, 5414.0, 5669.0, 5291.0, 5377.0, 5495.0, 5309.0, 5279.0, 5341.0, 5589.0, 5511.0, 5427.0, 5402.0, 5503.0, 5270.0, 5606.0, 5609.0, 5408.0, 5574.0, 5597.0, 5411.0, 5357.0, 5435.0, 5323.0, 5680.0, 5693.0, 5591.0, 5406.0, 5336.0, 5353.0, 5559.0, 5702.0, 5361.0, 5712.0, 5328.0, 5320.0, 5462.0, 5587.0<br>(number of hits: 5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 24 | 5270 | 9 | 1 | 333 | 1 | 5401.0, 5407.0, 5473.0, 5583.0, 5513.0, 5334.0, 5557.0, 5665.0, 5681.0, 5439.0, 5498.0, 5411.0, 5317.0, 5460.0, 5286.0, 5635.0, 5622.0, 5448.0, 5395.0, 5450.0, 5383.0, 5301.0, 5616.0, 5691.0, 5659.0, 5394.0, 5339.0, 5608.0, 5413.0, 5612.0, 5700.0, 5425.0, 5316.0, 5600.0, 5634.0, 5585.0, 5290.0, 5348.0, 5487.0, 5282.0, 5524.0, 5636.0, 5723.0, 5271.0, 5465.0, 5454.0, 5456.0, 5696.0, 5661.0, 5410.0, 5323.0, 5576.0, 5500.0, 5571.0, 5322.0, 5714.0, 5251.0, 5586.0, 5405.0, 5477.0, 5599.0, 5319.0, 5610.0, 5344.0, 5644.0, 5336.0, 5400.0, 5629.0, 5443.0, 5549.0, 5293.0, 5288.0, 5628.0, 5481.0, 5451.0, 5719.0, 5519.0, 5594.0, 5611.0, 5320.0, 5459.0, 5397.0, 5444.0, 5601.0, 5515.0, 5720.0, 5484.0, 5353.0, 5699.0, 5605.0, 5329.0, 5436.0, 5381.0, 5332.0, 5529.0, 5358.0, 5508.0, 5528.0, 5291.0, 5633.0<br>(number of hits: 5) |
| 25 | 5270 | 9 | 1 | 333 | 1 | 5537.0, 5411.0, 5597.0, 5664.0, 5524.0, 5559.0, 5483.0, 5294.0, 5429.0, 5504.0, 5687.0, 5577.0, 5428.0, 5343.0, 5491.0, 5393.0, 5529.0, 5328.0, 5404.0, 5338.0, 5262.0, 5684.0, 5713.0, 5711.0, 5319.0, 5398.0, 5313.0, 5410.0, 5638.0, 5661.0, 5427.0, 5357.0, 5261.0, 5452.0, 5259.0, 5590.0, 5386.0, 5275.0, 5258.0, 5487.0, 5502.0, 5352.0, 5372.0, 5609.0, 5436.0, 5567.0, 5511.0, 5320.0, 5284.0, 5580.0, 5719.0, 5346.0, 5475.0, 5666.0, 5457.0, 5327.0, 5417.0, 5521.0, 5435.0, 5544.0, 5679.0, 5520.0, 5531.0, 5558.0, 5658.0, 5671.0, 5555.0, 5576.0, 5271.0, 5516.0, 5355.0, 5715.0, 5298.0, 5431.0, 5702.0, 5348.0, 5439.0, 5252.0, 5300.0, 5519.0, 5616.0, 5339.0, 5721.0, 5673.0, 5462.0, 5534.0, 5356.0, 5572.0, 5619.0, 5440.0, 5712.0, 5309.0, 5589.0, 5279.0, 5610.0, 5331.0, 5293.0, 5299.0, 5469.0, 5443.0<br>(number of hits: 9) |
| 26 | 5270 | 9 | 1 | 333 | 1 | 5487.0, 5643.0, 5697.0, 5579.0, 5677.0, 5450.0, 5636.0, 5679.0, 5418.0, 5388.0, 5354.0, 5326.0, 5257.0, 5335.0, 5358.0, 5665.0, 5298.0, 5628.0, 5453.0, 5309.0, 5523.0, 5617.0, 5558.0, 5701.0, 5274.0, 5571.0, 5386.0, 5458.0, 5331.0, 5555.0, 5260.0, 5645.0, 5431.0, 5658.0, 5315.0, 5547.0, 5724.0, 5600.0, 5504.0, 5588.0, 5399.0, 5392.0, 5604.0, 5514.0, 5608.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5707.0, 5346.0, 5704.0, 5389.0, 5371.0, 5564.0, 5454.0, 5580.0, 5337.0, 5521.0, 5267.0, 5719.0, 5492.0, 5423.0, 5694.0, 5517.0, 5456.0, 5573.0, 5374.0, 5259.0, 5596.0, 5522.0, 5271.0, 5667.0, 5306.0, 5534.0, 5605.0, 5508.0, 5696.0, 5395.0, 5664.0, 5629.0, 5678.0, 5556.0, 5705.0, 5469.0, 5369.0, 5417.0, 5446.0, 5328.0, 5262.0, 5548.0, 5470.0, 5622.0, 5343.0, 5687.0, 5557.0, 5448.0, 5401.0, 5529.0, 5621.0, 5437.0, 5273.0, 5551.0, 5373.0<br>(number of hits: 8)                                                                                                                                                                                                                                                                                                                                                                          |
| 27 | 5270 | 9 | 1 | 333 | 1 | 5394.0, 5539.0, 5498.0, 5560.0, 5308.0, 5468.0, 5544.0, 5457.0, 5351.0, 5683.0, 5533.0, 5363.0, 5413.0, 5303.0, 5382.0, 5615.0, 5612.0, 5341.0, 5575.0, 5419.0, 5672.0, 5699.0, 5381.0, 5611.0, 5670.0, 5338.0, 5365.0, 5723.0, 5496.0, 5681.0, 5490.0, 5536.0, 5655.0, 5355.0, 5576.0, 5401.0, 5393.0, 5451.0, 5706.0, 5648.0, 5458.0, 5285.0, 5391.0, 5605.0, 5680.0, 5678.0, 5302.0, 5686.0, 5701.0, 5501.0, 5721.0, 5456.0, 5558.0, 5673.0, 5389.0, 5259.0, 5434.0, 5346.0, 5538.0, 5316.0, 5532.0, 5724.0, 5594.0, 5310.0, 5557.0, 5679.0, 5280.0, 5403.0, 5349.0, 5250.0, 5551.0, 5406.0, 5337.0, 5488.0, 5277.0, 5292.0, 5641.0, 5585.0, 5545.0, 5631.0, 5435.0, 5375.0, 5709.0, 5399.0, 5646.0, 5600.0, 5495.0, 5275.0, 5427.0, 5603.0, 5535.0, 5523.0, 5405.0, 5583.0, 5651.0, 5291.0, 5276.0, 5705.0, 5278.0, 5358.0<br>(number of hits: 8)  |
| 28 | 5270 | 9 | 1 | 333 | 1 | 5677.0, 5553.0, 5640.0, 5632.0, 5604.0, 5621.0, 5492.0, 5494.0, 5697.0, 5397.0, 5667.0, 5489.0, 5336.0, 5283.0, 5499.0, 5682.0, 5311.0, 5626.0, 5351.0, 5417.0, 5446.0, 5657.0, 5338.0, 5525.0, 5558.0, 5442.0, 5391.0, 5424.0, 5281.0, 5550.0, 5342.0, 5656.0, 5252.0, 5438.0, 5360.0, 5314.0, 5485.0, 5425.0, 5381.0, 5577.0, 5257.0, 5684.0, 5549.0, 5521.0, 5298.0, 5518.0, 5658.0, 5478.0, 5300.0, 5661.0, 5389.0, 5655.0, 5324.0, 5693.0, 5279.0, 5540.0, 5410.0, 5288.0, 5455.0, 5330.0, 5460.0, 5428.0, 5643.0, 5616.0, 5369.0, 5477.0, 5551.0, 5646.0, 5396.0, 5703.0, 5331.0, 5437.0, 5474.0, 5511.0, 5567.0, 5507.0, 5575.0, 5270.0, 5394.0, 5347.0, 5255.0, 5674.0, 5436.0, 5452.0, 5668.0, 5456.0, 5686.0, 5515.0, 5450.0, 5277.0, 5470.0, 5316.0, 5269.0, 5461.0, 5571.0, 5431.0, 5611.0, 5358.0, 5599.0, 5487.0<br>(number of hits: 10) |
| 29 | 5270 | 9 | 1 | 333 | 1 | 5678.0, 5339.0, 5402.0, 5701.0, 5617.0, 5710.0, 5657.0, 5600.0, 5315.0, 5486.0, 5407.0, 5287.0, 5268.0, 5521.0, 5527.0, 5605.0, 5526.0, 5330.0, 5429.0, 5260.0, 5436.0, 5480.0, 5698.0, 5724.0, 5661.0, 5390.0, 5269.0, 5463.0, 5680.0, 5563.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|------|---|---|-----|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5466.0, 5362.0, 5534.0, 5447.0, 5292.0,<br>5602.0, 5358.0, 5459.0, 5584.0, 5498.0,<br>5397.0, 5597.0, 5369.0, 5420.0, 5523.0,<br>5272.0, 5336.0, 5671.0, 5564.0, 5653.0,<br>5332.0, 5722.0, 5675.0, 5414.0, 5555.0,<br>5519.0, 5454.0, 5346.0, 5281.0, 5403.0,<br>5252.0, 5546.0, 5253.0, 5570.0, 5492.0,<br>5625.0, 5376.0, 5506.0, 5320.0, 5494.0,<br>5592.0, 5536.0, 5457.0, 5566.0, 5601.0,<br>5639.0, 5404.0, 5280.0, 5438.0, 5312.0,<br>5310.0, 5633.0, 5581.0, 5603.0, 5541.0,<br>5282.0, 5642.0, 5400.0, 5700.0, 5542.0,<br>5413.0, 5596.0, 5364.0, 5650.0, 5258.0,<br>5616.0, 5329.0, 5394.0, 5709.0, 5363.0<br>(number of hits: 11 )                                                                                                                                                                                                                                                                  |
| 30 | 5270 | 9 | 1 | 333 | 1 | 5502.0, 5681.0, 5629.0, 5435.0, 5408.0,<br>5622.0, 5667.0, 5391.0, 5546.0, 5595.0,<br>5528.0, 5668.0, 5475.0, 5422.0, 5679.0,<br>5506.0, 5471.0, 5374.0, 5478.0, 5535.0,<br>5562.0, 5488.0, 5269.0, 5487.0, 5304.0,<br>5257.0, 5306.0, 5580.0, 5522.0, 5545.0,<br>5407.0, 5523.0, 5384.0, 5599.0, 5639.0,<br>5254.0, 5393.0, 5717.0, 5653.0, 5631.0,<br>5258.0, 5262.0, 5268.0, 5713.0, 5328.0,<br>5470.0, 5335.0, 5623.0, 5642.0, 5601.0,<br>5459.0, 5692.0, 5399.0, 5360.0, 5485.0,<br>5401.0, 5281.0, 5635.0, 5324.0, 5625.0,<br>5701.0, 5654.0, 5417.0, 5359.0, 5396.0,<br>5347.0, 5483.0, 5383.0, 5587.0, 5614.0,<br>5425.0, 5539.0, 5669.0, 5634.0, 5472.0,<br>5492.0, 5657.0, 5333.0, 5404.0, 5497.0,<br>5373.0, 5533.0, 5397.0, 5274.0, 5670.0,<br>5348.0, 5468.0, 5543.0, 5326.0, 5516.0,<br>5526.0, 5322.0, 5649.0, 5323.0, 5513.0,<br>5411.0, 5500.0, 5712.0, 5255.0, 5406.0<br>(number of hits: 9 ) |

**5550 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                           | 100 %                | 60%              | Pass             |
| <b>Type 4</b>                 | 30                           | 100 %                | 60%              | Pass             |
| <b>Aggregate (Type1 to 4)</b> | 120                          | 100 %                | 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:

**Table-1 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                                            | 5550            | 67                 | 1                       | 798             | 1                              |
| 2                                            | 5550            | 83                 | 1                       | 638             | 1                              |
| 3                                            | 5550            | 81                 | 1                       | 658             | 1                              |
| 4                                            | 5550            | 61                 | 1                       | 878             | 1                              |
| 5                                            | 5550            | 76                 | 1                       | 698             | 1                              |
| 6                                            | 5550            | 92                 | 1                       | 578             | 1                              |
| 7                                            | 5550            | 65                 | 1                       | 818             | 1                              |
| 8                                            | 5550            | 68                 | 1                       | 778             | 1                              |
| 9                                            | 5550            | 95                 | 1                       | 558             | 1                              |
| 10                                           | 5550            | 78                 | 1                       | 678             | 1                              |
| 11                                           | 5550            | 72                 | 1                       | 738             | 1                              |
| 12                                           | 5550            | 63                 | 1                       | 838             | 1                              |
| 13                                           | 5550            | 58                 | 1                       | 918             | 1                              |
| 14                                           | 5550            | 18                 | 1                       | 3066            | 1                              |
| 15                                           | 5550            | 102                | 1                       | 518             | 1                              |
| 16                                           | 5550            | 33                 | 1                       | 1604            | 1                              |
| 17                                           | 5550            | 20                 | 1                       | 2727            | 1                              |
| 18                                           | 5550            | 40                 | 1                       | 1333            | 1                              |
| 19                                           | 5550            | 25                 | 1                       | 2154            | 1                              |
| 20                                           | 5550            | 38                 | 1                       | 1414            | 1                              |
| 21                                           | 5550            | 18                 | 1                       | 2962            | 1                              |
| 22                                           | 5550            | 23                 | 1                       | 2330            | 1                              |
| 23                                           | 5550            | 43                 | 1                       | 1234            | 1                              |
| 24                                           | 5550            | 27                 | 1                       | 1993            | 1                              |
| 25                                           | 5550            | 35                 | 1                       | 1529            | 1                              |
| 26                                           | 5550            | 37                 | 1                       | 1449            | 1                              |
| 27                                           | 5550            | 21                 | 1                       | 2560            | 1                              |
| 28                                           | 5550            | 21                 | 1                       | 2540            | 1                              |
| 29                                           | 5550            | 18                 | 1                       | 3023            | 1                              |
| 30                                           | 5550            | 30                 | 1                       | 1777            | 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                                            | 5550            | 23                 | 1                       | 160             | 1                              |
| 2                                            | 5550            | 23                 | 1.4                     | 216             | 1                              |
| 3                                            | 5550            | 23                 | 4.3                     | 180             | 1                              |
| 4                                            | 5550            | 28                 | 3                       | 229             | 1                              |
| 5                                            | 5550            | 25                 | 1                       | 150             | 1                              |
| 6                                            | 5550            | 26                 | 4.7                     | 173             | 1                              |
| 7                                            | 5550            | 28                 | 4.3                     | 222             | 1                              |
| 8                                            | 5550            | 27                 | 1.3                     | 220             | 1                              |
| 9                                            | 5550            | 25                 | 3.2                     | 210             | 1                              |
| 10                                           | 5550            | 28                 | 3.7                     | 171             | 1                              |
| 11                                           | 5550            | 23                 | 4.1                     | 203             | 1                              |
| 12                                           | 5550            | 29                 | 2.6                     | 198             | 1                              |
| 13                                           | 5550            | 27                 | 3.4                     | 227             | 1                              |
| 14                                           | 5550            | 23                 | 1                       | 207             | 1                              |
| 15                                           | 5550            | 27                 | 2.1                     | 187             | 1                              |
| 16                                           | 5550            | 23                 | 2.5                     | 164             | 1                              |
| 17                                           | 5550            | 26                 | 2.9                     | 202             | 1                              |
| 18                                           | 5550            | 28                 | 1                       | 207             | 1                              |
| 19                                           | 5550            | 23                 | 1.1                     | 209             | 1                              |
| 20                                           | 5550            | 27                 | 4.2                     | 222             | 1                              |
| 21                                           | 5550            | 23                 | 3.9                     | 202             | 1                              |
| 22                                           | 5550            | 25                 | 4.7                     | 210             | 1                              |
| 23                                           | 5550            | 25                 | 2.7                     | 208             | 1                              |
| 24                                           | 5550            | 27                 | 4.7                     | 200             | 1                              |
| 25                                           | 5550            | 28                 | 4.1                     | 150             | 1                              |
| 26                                           | 5550            | 26                 | 4.7                     | 185             | 1                              |
| 27                                           | 5550            | 26                 | 4.1                     | 225             | 1                              |
| 28                                           | 5550            | 28                 | 2.3                     | 225             | 1                              |
| 29                                           | 5550            | 25                 | 4.4                     | 160             | 1                              |
| 30                                           | 5550            | 29                 | 4.6                     | 223             | 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                                            | 5550            | 16                 | 9.4                     | 475             | 1                              |
| 2                                            | 5550            | 18                 | 8                       | 499             | 1                              |
| 3                                            | 5550            | 16                 | 7.4                     | 390             | 1                              |
| 4                                            | 5550            | 16                 | 9.2                     | 274             | 1                              |
| 5                                            | 5550            | 18                 | 9.1                     | 349             | 1                              |
| 6                                            | 5550            | 18                 | 9.7                     | 270             | 1                              |
| 7                                            | 5550            | 16                 | 8.6                     | 434             | 1                              |
| 8                                            | 5550            | 17                 | 7.9                     | 368             | 1                              |
| 9                                            | 5550            | 18                 | 7.9                     | 377             | 1                              |
| 10                                           | 5550            | 17                 | 8.8                     | 271             | 1                              |
| 11                                           | 5550            | 16                 | 9.9                     | 464             | 1                              |
| 12                                           | 5550            | 18                 | 8.8                     | 482             | 1                              |
| 13                                           | 5550            | 16                 | 9.1                     | 241             | 1                              |
| 14                                           | 5550            | 18                 | 8.8                     | 446             | 1                              |
| 15                                           | 5550            | 18                 | 8.2                     | 228             | 1                              |
| 16                                           | 5550            | 17                 | 8.7                     | 229             | 1                              |
| 17                                           | 5550            | 18                 | 9.8                     | 348             | 1                              |
| 18                                           | 5550            | 17                 | 6                       | 442             | 1                              |
| 19                                           | 5550            | 16                 | 8.4                     | 267             | 1                              |
| 20                                           | 5550            | 16                 | 8.5                     | 402             | 1                              |
| 21                                           | 5550            | 16                 | 8.4                     | 373             | 1                              |
| 22                                           | 5550            | 18                 | 9.9                     | 389             | 1                              |
| 23                                           | 5550            | 16                 | 7.6                     | 325             | 1                              |
| 24                                           | 5550            | 16                 | 7.8                     | 421             | 1                              |
| 25                                           | 5550            | 16                 | 7                       | 249             | 1                              |
| 26                                           | 5550            | 16                 | 7.3                     | 353             | 1                              |
| 27                                           | 5550            | 17                 | 9.5                     | 432             | 1                              |
| 28                                           | 5550            | 17                 | 6.6                     | 331             | 1                              |
| 29                                           | 5550            | 17                 | 9.5                     | 340             | 1                              |
| 30                                           | 5550            | 17                 | 9                       | 424             | 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                                            | 5550            | 16                 | 16.4                    | 392             | 1                              |
| 2                                            | 5550            | 15                 | 14.8                    | 318             | 1                              |
| 3                                            | 5550            | 14                 | 13.3                    | 291             | 1                              |
| 4                                            | 5550            | 14                 | 13                      | 336             | 1                              |
| 5                                            | 5550            | 15                 | 12.5                    | 410             | 1                              |
| 6                                            | 5550            | 12                 | 19.7                    | 301             | 1                              |
| 7                                            | 5550            | 13                 | 16.9                    | 304             | 1                              |
| 8                                            | 5550            | 15                 | 13.8                    | 233             | 1                              |
| 9                                            | 5550            | 16                 | 11.7                    | 297             | 1                              |
| 10                                           | 5550            | 14                 | 17.2                    | 352             | 1                              |
| 11                                           | 5550            | 15                 | 19.3                    | 332             | 1                              |
| 12                                           | 5550            | 16                 | 20                      | 433             | 1                              |
| 13                                           | 5550            | 14                 | 14.2                    | 362             | 1                              |
| 14                                           | 5550            | 13                 | 14.8                    | 236             | 1                              |
| 15                                           | 5550            | 15                 | 15.3                    | 208             | 1                              |
| 16                                           | 5550            | 16                 | 14.3                    | 432             | 1                              |
| 17                                           | 5550            | 13                 | 17.2                    | 404             | 1                              |
| 18                                           | 5550            | 15                 | 11.4                    | 281             | 1                              |
| 19                                           | 5550            | 12                 | 13.6                    | 259             | 1                              |
| 20                                           | 5550            | 14                 | 15.2                    | 276             | 1                              |
| 21                                           | 5550            | 16                 | 16.5                    | 428             | 1                              |
| 22                                           | 5550            | 16                 | 12.6                    | 408             | 1                              |
| 23                                           | 5550            | 14                 | 15                      | 394             | 1                              |
| 24                                           | 5550            | 12                 | 14.5                    | 458             | 1                              |
| 25                                           | 5550            | 15                 | 20                      | 257             | 1                              |
| 26                                           | 5550            | 12                 | 12.6                    | 333             | 1                              |
| 27                                           | 5550            | 14                 | 11.3                    | 263             | 1                              |
| 28                                           | 5550            | 14                 | 19.7                    | 438             | 1                              |
| 29                                           | 5550            | 15                 | 13.3                    | 398             | 1                              |
| 30                                           | 5550            | 13                 | 14.3                    | 373             | 1                              |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                 |                    |                         |                 |                                |

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

Bin5 Statistics 1

CF=5546MHz

| Trial # | Pulse | Chirp (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          | 92.3             |                        |                        | 0.685755       | 1                       |
| 1       | 2     | 6           | 71.8             | 1160                   |                        | 0.986514       |                         |
| 2       | 2     | 14          | 71.1             | 1680                   |                        | 1.603222       |                         |
| 3       | 1     | 20          | 57.6             |                        |                        | 3.191685       |                         |
| 4       | 2     | 11          | 80.9             | 1719                   |                        | 3.980364       |                         |
| 5       | 1     | 16          | 51               |                        |                        | 4.711456       |                         |
| 6       | 3     | 17          | 56.5             | 1489                   | 1690                   | 4.98699        |                         |
| 7       | 2     | 14          | 94.9             | 1581                   |                        | 6.064999       |                         |
| 8       | 3     | 10          | 74               | 1665                   | 1868                   | 6.803257       |                         |
| 9       | 1     | 19          | 56.6             |                        |                        | 7.835275       |                         |
| 10      | 3     | 6           | 71.3             | 1975                   | 1740                   | 8.322316       |                         |
| 11      | 1     | 10          | 85               |                        |                        | 9.387123       |                         |
| 12      | 1     | 11          | 91.2             |                        |                        | 9.831931       |                         |
| 13      | 1     | 12          | 59.8             |                        |                        | 10.818667      |                         |
| 14      | 2     | 18          | 91.4             | 1330                   |                        | 11.576398      |                         |



## Bin5 Statistics 2

CF=5550MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 13          | 54.1             | 1439                   |                        | 0.237626       | 1                       |
| 1       | 1     | 13          | 96.5             |                        |                        | 0.843316       |                         |
| 2       | 3     | 17          | 76.1             | 1322                   | 1525                   | 1.840822       |                         |
| 3       | 2     | 19          | 93.7             | 1346                   |                        | 2.188125       |                         |
| 4       | 2     | 8           | 60.8             | 1590                   |                        | 3.295281       |                         |
| 5       | 2     | 10          | 74.5             | 1264                   |                        | 3.616527       |                         |
| 6       | 2     | 10          | 63.2             | 1881                   |                        | 4.566848       |                         |
| 7       | 1     | 10          | 95.6             |                        |                        | 4.705891       |                         |
| 8       | 2     | 5           | 93               | 1970                   |                        | 5.593245       |                         |
| 9       | 3     | 13          | 95.1             | 1157                   | 1466                   | 6.271288       |                         |
| 10      | 3     | 8           | 87.6             | 1565                   | 1077                   | 7.145161       |                         |
| 11      | 2     | 14          | 63.9             | 1631                   |                        | 7.685796       |                         |
| 12      | 2     | 7           | 55.9             | 1216                   |                        | 8.151607       |                         |
| 13      | 3     | 15          | 98.8             | 1134                   | 1661                   | 8.973486       |                         |
| 14      | 2     | 9           | 57.7             | 1454                   |                        | 9.630107       |                         |
| 15      | 1     | 15          | 97.5             |                        |                        | 10.397425      |                         |
| 16      | 1     | 15          | 85               |                        |                        | 10.86243       |                         |
| 17      | 2     | 8           | 86.6             | 1202                   |                        | 11.712047      |                         |

## Bin5 Statistics 3

CF=5559MHz

| Trial # | Pulse | Chirp (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          | 85.2             |                        |                        | 0.792711       | 1                       |
| 1       | 3     | 13          | 79.5             | 1106                   | 1064                   | 1.410875       |                         |
| 2       | 2     | 8           | 99.3             | 1117                   |                        | 2.551725       |                         |
| 3       | 1     | 8           | 89.8             |                        |                        | 3.291747       |                         |
| 4       | 3     | 19          | 83.9             | 1210                   | 1257                   | 3.589799       |                         |
| 5       | 1     | 11          | 66               |                        |                        | 4.672219       |                         |
| 6       | 3     | 10          | 77.5             | 1648                   | 1581                   | 5.573174       |                         |
| 7       | 2     | 20          | 77.4             | 1748                   |                        | 6.354831       |                         |
| 8       | 3     | 7           | 77.5             | 1811                   | 1837                   | 7.408059       |                         |
| 9       | 3     | 20          | 68.1             | 1991                   | 1153                   | 7.805973       |                         |
| 10      | 1     | 12          | 66.3             |                        |                        | 9.002866       |                         |
| 11      | 3     | 10          | 59.2             | 1777                   | 1756                   | 9.682487       |                         |
| 12      | 3     | 9           | 57.4             | 1444                   | 1509                   | 10.908227      |                         |
| 13      | 3     | 10          | 50.4             | 1363                   | 1064                   | 11.801411      |                         |

## Bin5 Statistics 4

CF=5556MHz

| Trial # | Pulse | Chirp (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          | 52.5             | 1677                   | 1536                   | 0.265762       | 1                       |
| 1       | 1     | 10          | 59.6             |                        |                        | 1.31857        |                         |
| 2       | 3     | 14          | 54.3             | 1638                   | 1633                   | 1.684105       |                         |
| 3       | 3     | 12          | 61.1             | 1626                   | 1329                   | 2.576416       |                         |
| 4       | 2     | 14          | 74.4             | 1961                   |                        | 3.137611       |                         |
| 5       | 3     | 7           | 90               | 1511                   | 1538                   | 3.86972        |                         |
| 6       | 3     | 18          | 92.9             | 1411                   | 1536                   | 4.085089       |                         |
| 7       | 1     | 11          | 51.7             |                        |                        | 4.769256       |                         |
| 8       | 2     | 18          | 90.4             | 1758                   |                        | 5.887368       |                         |
| 9       | 2     | 9           | 68.2             | 1358                   |                        | 6.342045       |                         |
| 10      | 1     | 8           | 52.4             |                        |                        | 6.794952       |                         |
| 11      | 2     | 8           | 51.9             | 1719                   |                        | 7.554561       |                         |
| 12      | 2     | 18          | 80.3             | 1901                   |                        | 8.349649       |                         |
| 13      | 2     | 10          | 53.8             | 1191                   |                        | 8.971837       |                         |
| 14      | 2     | 20          | 91.4             | 1171                   |                        | 9.525094       |                         |
| 15      | 2     | 7           | 77.6             | 1296                   |                        | 10.249098      |                         |
| 16      | 1     | 17          | 78.2             |                        |                        | 11.211833      |                         |
| 17      | 2     | 7           | 84.1             | 1027                   |                        | 11.896473      |                         |

## Bin5 Statistics 5

CF=5546MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (µS) | Pulse 2-3 spacing (µS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 13          | 55.7             | 1339                   |                        | 0.330511       | 1                       |
| 1       | 1     | 8           | 83.3             |                        |                        | 0.975312       |                         |
| 2       | 2     | 11          | 78.9             | 1620                   |                        | 2.476622       |                         |
| 3       | 2     | 12          | 63.8             | 1927                   |                        | 2.870723       |                         |
| 4       | 2     | 16          | 59.1             | 1480                   |                        | 4.192593       |                         |
| 5       | 2     | 16          | 92.2             | 1512                   |                        | 5.02529        |                         |
| 6       | 3     | 18          | 71.6             | 1431                   | 1873                   | 5.809919       |                         |
| 7       | 3     | 18          | 86.7             | 1533                   | 1657                   | 6.618951       |                         |
| 8       | 2     | 12          | 68.7             | 1737                   |                        | 7.795761       |                         |
| 9       | 3     | 20          | 94.7             | 1460                   | 1866                   | 8.717043       |                         |
| 10      | 1     | 19          | 58.5             |                        |                        | 9.344642       |                         |
| 11      | 2     | 9           | 54.7             | 1681                   |                        | 10.713122      |                         |
| 12      | 2     | 6           | 72.8             | 1992                   |                        | 11.789421      |                         |

## Bin5 Statistics 6

CF=5546MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (µS) | Pulse 2-3 spacing (µS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 3     | 8           | 90.2             | 1945                   | 1235                   | 0.489854       | 1                       |
| 1       | 1     | 10          | 63.6             |                        |                        | 1.034671       |                         |
| 2       | 1     | 18          | 64.5             |                        |                        | 2.610489       |                         |
| 3       | 2     | 6           | 93.4             | 1874                   |                        | 3.180008       |                         |
| 4       | 1     | 10          | 77.9             |                        |                        | 4.965763       |                         |
| 5       | 2     | 16          | 78.3             | 1683                   |                        | 5.731212       |                         |
| 6       | 1     | 11          | 79.4             |                        |                        | 6.601343       |                         |
| 7       | 1     | 7           | 99.8             |                        |                        | 7.454203       |                         |
| 8       | 2     | 7           | 74.4             | 1008                   |                        | 8.914911       |                         |
| 9       | 3     | 19          | 78.7             | 1760                   | 1904                   | 9.421858       |                         |
| 10      | 1     | 14          | 67.4             |                        |                        | 10.953171      |                         |
| 11      | 2     | 11          | 53.9             | 1971                   |                        | 11.26635       |                         |

## Bin5 Statistics 7

CF=5535MHz

| Trial # | Pulse | Chirp (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          | 57.9             | 1508                   | 1311                   | 0.702767       | 1                       |
| 1       | 2     | 14          | 61.6             | 1360                   |                        | 1.308915       |                         |
| 2       | 1     | 18          | 67.2             |                        |                        | 1.693089       |                         |
| 3       | 2     | 15          | 74               | 1703                   |                        | 2.783613       |                         |
| 4       | 2     | 17          | 69.1             | 1717                   |                        | 3.938294       |                         |
| 5       | 1     | 5           | 94.2             |                        |                        | 4.293837       |                         |
| 6       | 2     | 18          | 73.4             | 1347                   |                        | 5.501127       |                         |
| 7       | 2     | 17          | 63.4             | 1229                   |                        | 5.861281       |                         |
| 8       | 3     | 15          | 94.7             | 1357                   | 1240                   | 7.184822       |                         |
| 9       | 2     | 13          | 70.8             | 1112                   |                        | 7.815663       |                         |
| 10      | 2     | 9           | 64               | 1289                   |                        | 8.108273       |                         |
| 11      | 2     | 6           | 59.9             | 1202                   |                        | 9.150774       |                         |
| 12      | 2     | 13          | 91.6             | 1783                   |                        | 10.292551      |                         |
| 13      | 2     | 8           | 88.6             | 1393                   |                        | 11.150522      |                         |
| 14      | 2     | 20          | 83.9             | 1238                   |                        | 11.965326      |                         |

## Bin5 Statistics 8

CF=5558MHz

| Trial # | Pulse | Chirp (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          | 87.2             |                        |                        | 0.567898       | 1                       |
| 1       | 1     | 9           | 88.2             |                        |                        | 2.485311       |                         |
| 2       | 1     | 7           | 65.3             |                        |                        | 3.797422       |                         |
| 3       | 1     | 14          | 71.4             |                        |                        | 4.947878       |                         |
| 4       | 3     | 8           | 65.7             | 1464                   | 1656                   | 5.5671         |                         |
| 5       | 3     | 12          | 63.8             | 1064                   | 1557                   | 7.566558       |                         |
| 6       | 3     | 14          | 53.3             | 1438                   | 1027                   | 9.283474       |                         |
| 7       | 3     | 9           | 97.8             | 1269                   | 1653                   | 9.883115       |                         |
| 8       | 1     | 15          | 56.3             |                        |                        | 11.51101       |                         |

## Bin5 Statistics 9

CF=5561MHz

| Trial # | Pulse | Chirp (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          | 60.3             | 1489                   |                        | 0.212589       | 1                       |
| 1       | 2     | 13          | 86.3             | 1228                   |                        | 1.730262       |                         |
| 2       | 1     | 14          | 93.3             |                        |                        | 2.755545       |                         |
| 3       | 1     | 14          | 51.8             |                        |                        | 2.974242       |                         |
| 4       | 3     | 18          | 83.3             | 1468                   | 1541                   | 4.197086       |                         |
| 5       | 2     | 13          | 98.3             | 1848                   |                        | 5.470542       |                         |
| 6       | 2     | 18          | 71.3             | 1488                   |                        | 6.276002       |                         |
| 7       | 2     | 17          | 81.8             | 1076                   |                        | 7.028298       |                         |
| 8       | 2     | 19          | 92.6             | 1595                   |                        | 8.052192       |                         |
| 9       | 1     | 14          | 58.8             |                        |                        | 8.965019       |                         |
| 10      | 2     | 8           | 76               | 1626                   |                        | 9.913745       |                         |
| 11      | 2     | 10          | 78.6             | 1725                   |                        | 10.636674      |                         |
| 12      | 3     | 7           | 80.9             | 1438                   | 1500                   | 11.239344      |                         |

## Bin5 Statistics 10

CF=5532MHz

| Trial # | Pulse | Chirp (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          | 96.5             | 1986                   | 1637                   | 0.425139       | 1                       |
| 1       | 1     | 19          | 80.4             |                        |                        | 0.943567       |                         |
| 2       | 2     | 14          | 86.1             | 1755                   |                        | 2.20404        |                         |
| 3       | 2     | 17          | 98               | 1866                   |                        | 2.787705       |                         |
| 4       | 3     | 19          | 76               | 1878                   | 1585                   | 3.722537       |                         |
| 5       | 3     | 5           | 70.2             | 1801                   | 1173                   | 4.442094       |                         |
| 6       | 1     | 12          | 52.7             |                        |                        | 5.163877       |                         |
| 7       | 2     | 15          | 78.4             | 1086                   |                        | 6.29703        |                         |
| 8       | 2     | 16          | 60.6             | 1103                   |                        | 7.411573       |                         |
| 9       | 2     | 12          | 94.7             | 1909                   |                        | 8.537178       |                         |
| 10      | 1     | 11          | 79               |                        |                        | 8.681683       |                         |
| 11      | 1     | 17          | 72.7             |                        |                        | 9.526942       |                         |
| 12      | 2     | 7           | 74.3             | 1754                   |                        | 10.587803      |                         |
| 13      | 3     | 15          | 61.8             | 1722                   | 1285                   | 11.83907       |                         |

## Bin5 Statistics 11

CF=5531MHz

| Trial # | Pulse | Chirp (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          | 68.4             | 1924                   |                        | 0.294958       | 1                       |
| 1       | 1     | 10          | 73               |                        |                        | 1.911803       |                         |
| 2       | 2     | 19          | 62.7             | 1156                   |                        | 3.616431       |                         |
| 3       | 2     | 17          | 80.3             | 1222                   |                        | 4.236561       |                         |
| 4       | 2     | 16          | 59.7             | 1548                   |                        | 5.438794       |                         |
| 5       | 3     | 15          | 51.9             | 1191                   | 1839                   | 7.393071       |                         |
| 6       | 2     | 20          | 84.2             | 1434                   |                        | 9.052909       |                         |
| 7       | 1     | 16          | 80.9             |                        |                        | 10.529977      |                         |
| 8       | 2     | 8           | 78               | 1339                   |                        | 10.970865      |                         |

## Bin5 Statistics 12

CF=5560MHz

| Trial # | Pulse | Chirp (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          | 78.3             | 1797                   |                        | 0.064804       | 1                       |
| 1       | 1     | 17          | 78.4             |                        |                        | 0.966805       |                         |
| 2       | 2     | 18          | 72.2             | 1611                   |                        | 1.933882       |                         |
| 3       | 3     | 14          | 86.9             | 1734                   | 1523                   | 2.10044        |                         |
| 4       | 2     | 17          | 86.6             | 1380                   |                        | 2.786031       |                         |
| 5       | 1     | 7           | 83.6             |                        |                        | 3.610859       |                         |
| 6       | 2     | 9           | 92.2             | 1684                   |                        | 4.051723       |                         |
| 7       | 1     | 7           | 62               |                        |                        | 4.692393       |                         |
| 8       | 3     | 10          | 68.3             | 1626                   | 1058                   | 5.687861       |                         |
| 9       | 2     | 17          | 75               | 1138                   |                        | 6.145654       |                         |
| 10      | 1     | 9           | 66               |                        |                        | 6.933122       |                         |
| 11      | 2     | 7           | 85.9             | 1109                   |                        | 7.416792       |                         |
| 12      | 2     | 5           | 90.7             | 1289                   |                        | 8.191756       |                         |
| 13      | 1     | 7           | 55.4             |                        |                        | 9.317229       |                         |
| 14      | 3     | 9           | 65               | 1343                   | 1021                   | 9.540287       |                         |
| 15      | 1     | 9           | 89.4             |                        |                        | 10.578088      |                         |
| 16      | 2     | 14          | 69.5             | 1630                   |                        | 11.051335      |                         |
| 17      | 2     | 8           | 53.4             | 1046                   |                        | 11.923285      |                         |

## Bin5 Statistics 13

CF=5554MHz

| Trial # | Pulse | Chirp (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           | 61.6             | 1066                   | 1515                   | 0.234611       | 1                       |
| 1       | 3     | 20          | 59.5             | 1684                   | 1484                   | 1.640802       |                         |
| 2       | 2     | 8           | 82.3             | 1889                   |                        | 2.050336       |                         |
| 3       | 2     | 6           | 70.8             | 1698                   |                        | 3.536748       |                         |
| 4       | 2     | 9           | 73               | 1328                   |                        | 4.362292       |                         |
| 5       | 3     | 18          | 62.3             | 1853                   | 1539                   | 5.399254       |                         |
| 6       | 3     | 8           | 73.2             | 1821                   | 1103                   | 6.463494       |                         |
| 7       | 2     | 12          | 95.3             | 1890                   |                        | 7.028943       |                         |
| 8       | 2     | 7           | 85.8             | 1346                   |                        | 8.597932       |                         |
| 9       | 1     | 15          | 89.5             |                        |                        | 9.757848       |                         |
| 10      | 1     | 10          | 89.3             |                        |                        | 10.492638      |                         |
| 11      | 1     | 17          | 69.7             |                        |                        | 11.570717      |                         |

## Bin5 Statistics 14

CF=5540MHz

| Trial # | Pulse | Chirp (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          | 63.6             | 1984                   |                        | 0.231352       | 1                       |
| 1       | 3     | 15          | 81               | 1432                   | 1786                   | 1.058141       |                         |
| 2       | 3     | 18          | 74.2             | 1734                   | 1933                   | 1.829478       |                         |
| 3       | 3     | 11          | 72.7             | 1502                   | 1030                   | 2.199047       |                         |
| 4       | 3     | 11          | 95.5             | 1516                   | 1490                   | 3.091133       |                         |
| 5       | 3     | 17          | 85.8             | 1990                   | 1341                   | 3.577025       |                         |
| 6       | 1     | 18          | 96.3             |                        |                        | 4.365965       |                         |
| 7       | 2     | 13          | 69.2             | 1654                   |                        | 4.657848       |                         |
| 8       | 2     | 12          | 58.8             | 1551                   |                        | 5.084701       |                         |
| 9       | 3     | 16          | 66.8             | 1786                   | 1204                   | 6.122145       |                         |
| 10      | 2     | 6           | 94.3             | 1277                   |                        | 6.576214       |                         |
| 11      | 2     | 14          | 74.4             | 1488                   |                        | 7.206005       |                         |
| 12      | 2     | 8           | 58               | 1167                   |                        | 7.619217       |                         |
| 13      | 2     | 5           | 66.2             | 1119                   |                        | 8.773509       |                         |
| 14      | 2     | 19          | 51.8             | 1224                   |                        | 9.292495       |                         |
| 15      | 3     | 12          | 62.6             | 1463                   | 1405                   | 9.689585       |                         |
| 16      | 1     | 8           | 67.6             |                        |                        | 10.363154      |                         |
| 17      | 1     | 16          | 75.5             |                        |                        | 10.892428      |                         |
| 18      | 1     | 6           | 67.4             |                        |                        | 11.686964      |                         |



## Bin5 Statistics 15

CF=5539MHz

| Trial # | Pulse | Chirp (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          | 63.3             | 1003                   |                        | 0.402981       | 1                       |
| 1       | 2     | 7           | 71.6             | 1501                   |                        | 1.34624        |                         |
| 2       | 1     | 16          | 68.2             |                        |                        | 2.686999       |                         |
| 3       | 2     | 14          | 61.5             | 1398                   |                        | 3.566269       |                         |
| 4       | 2     | 10          | 67.8             | 1036                   |                        | 4.803885       |                         |
| 5       | 2     | 11          | 65.8             | 1555                   |                        | 5.575378       |                         |
| 6       | 2     | 16          | 78.6             | 1047                   |                        | 6.128483       |                         |
| 7       | 1     | 13          | 83.5             |                        |                        | 7.305767       |                         |
| 8       | 3     | 5           | 96.3             | 1166                   | 1411                   | 8.363175       |                         |
| 9       | 1     | 13          | 61.3             |                        |                        | 9.102634       |                         |
| 10      | 2     | 18          | 95.9             | 1922                   |                        | 10.732447      |                         |
| 11      | 2     | 6           | 73.5             | 1910                   |                        | 11.523093      |                         |

## Bin5 Statistics 16

CF=5554MHz

| Trial # | Pulse | Chirp (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           | 62.7             | 1248                   |                        | 0.028692       | 1                       |
| 1       | 2     | 18          | 93.2             | 1235                   |                        | 1.140572       |                         |
| 2       | 2     | 8           | 59.3             | 1713                   |                        | 2.316557       |                         |
| 3       | 2     | 8           | 83.6             | 1663                   |                        | 2.476888       |                         |
| 4       | 1     | 13          | 60.5             |                        |                        | 3.230323       |                         |
| 5       | 3     | 18          | 52.7             | 1673                   | 1279                   | 4.663909       |                         |
| 6       | 2     | 10          | 60.6             | 1285                   |                        | 4.978587       |                         |
| 7       | 2     | 14          | 65               | 1667                   |                        | 5.876014       |                         |
| 8       | 2     | 17          | 76.7             | 1695                   |                        | 6.659979       |                         |
| 9       | 1     | 14          | 85.6             |                        |                        | 7.534685       |                         |
| 10      | 1     | 5           | 93.4             |                        |                        | 8.182939       |                         |
| 11      | 1     | 6           | 84.9             |                        |                        | 9.057063       |                         |
| 12      | 2     | 9           | 89.2             | 1684                   |                        | 9.909727       |                         |
| 13      | 1     | 13          | 55.9             |                        |                        | 10.640842      |                         |
| 14      | 2     | 12          | 58               | 1541                   |                        | 11.427088      |                         |

## Bin5 Statistics 17

CF=5543MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 3     | 10          | 83.7             | 1011                   | 1056                   | 0.52208        | 1                       |
| 1       | 2     | 13          | 80.2             | 1603                   |                        | 1.768586       |                         |
| 2       | 2     | 16          | 71.8             | 1998                   |                        | 2.490865       |                         |
| 3       | 2     | 9           | 91.9             | 1205                   |                        | 4.34796        |                         |
| 4       | 2     | 7           | 82.5             | 1918                   |                        | 4.802435       |                         |
| 5       | 1     | 12          | 52.6             |                        |                        | 5.798644       |                         |
| 6       | 2     | 20          | 77.6             | 1635                   |                        | 6.687749       |                         |
| 7       | 2     | 9           | 57.2             | 1850                   |                        | 8.601191       |                         |
| 8       | 2     | 13          | 54.9             | 1973                   |                        | 8.826091       |                         |
| 9       | 2     | 17          | 63.8             | 1030                   |                        | 10.192529      |                         |
| 10      | 3     | 11          | 64               | 1806                   | 1251                   | 11.474137      |                         |

## Bin5 Statistics 18

CF=5530MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 19          | 59.6             | 1851                   |                        | 0.275206       | 1                       |
| 1       | 2     | 8           | 91.4             | 1328                   |                        | 1.819904       |                         |
| 2       | 1     | 9           | 67.8             |                        |                        | 3.657268       |                         |
| 3       | 2     | 15          | 95               | 1167                   |                        | 4.525156       |                         |
| 4       | 1     | 14          | 61.2             |                        |                        | 5.410351       |                         |
| 5       | 1     | 11          | 59.7             |                        |                        | 7.456221       |                         |
| 6       | 1     | 18          | 68.9             |                        |                        | 8.995282       |                         |
| 7       | 3     | 5           | 76.6             | 1462                   | 1248                   | 9.940202       |                         |
| 8       | 2     | 12          | 60.8             | 1874                   |                        | 11.500476      |                         |

## Bin5 Statistics 19

CF=5557MHz

| Trial # | Pulse | Chirp (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           | 62.4             | 1307                   |                        | 0.445965       | 1                       |
| 1       | 1     | 14          | 90.7             |                        |                        | 1.191674       |                         |
| 2       | 2     | 20          | 70.9             | 1948                   |                        | 1.41795        |                         |
| 3       | 1     | 9           | 82.2             |                        |                        | 2.2927         |                         |
| 4       | 2     | 18          | 61.4             | 1403                   |                        | 3.050567       |                         |
| 5       | 2     | 6           | 76.5             | 1287                   |                        | 3.491257       |                         |
| 6       | 3     | 17          | 87.6             | 1752                   | 1554                   | 4.212174       |                         |
| 7       | 3     | 10          | 95.4             | 1035                   | 1252                   | 4.790491       |                         |
| 8       | 1     | 9           | 81.7             |                        |                        | 5.529202       |                         |
| 9       | 2     | 14          | 60.7             | 1446                   |                        | 5.899528       |                         |
| 10      | 2     | 18          | 89.9             | 1634                   |                        | 6.613197       |                         |
| 11      | 2     | 11          | 79.6             | 1331                   |                        | 7.297169       |                         |
| 12      | 3     | 16          | 52.3             | 1622                   | 1997                   | 7.854224       |                         |
| 13      | 3     | 16          | 94.1             | 1152                   | 1180                   | 8.463513       |                         |
| 14      | 1     | 9           | 51.6             |                        |                        | 9.359355       |                         |
| 15      | 3     | 10          | 84.9             | 1262                   | 1190                   | 9.797936       |                         |
| 16      | 2     | 9           | 64.9             | 1109                   |                        | 10.624015      |                         |
| 17      | 2     | 13          | 95.5             | 1659                   |                        | 10.810399      |                         |
| 18      | 2     | 14          | 87.7             | 1474                   |                        | 11.891088      |                         |

## Bin5 Statistics 20

CF=5554MHz

| Trial # | Pulse | Chirp (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          | 91.6             |                        |                        | 0.438618       | 1                       |
| 1       | 2     | 9           | 64.4             | 1905                   |                        | 1.133366       |                         |
| 2       | 2     | 6           | 66.4             | 1134                   |                        | 1.79066        |                         |
| 3       | 3     | 7           | 67               | 1672                   | 1307                   | 2.907583       |                         |
| 4       | 1     | 17          | 66.4             |                        |                        | 3.713557       |                         |
| 5       | 3     | 16          | 73.4             | 1565                   | 1062                   | 4.713895       |                         |
| 6       | 3     | 17          | 96.5             | 1425                   | 1848                   | 5.88862        |                         |
| 7       | 3     | 10          | 80.4             | 1218                   | 1384                   | 6.55573        |                         |
| 8       | 2     | 13          | 55.7             | 1124                   |                        | 7.375612       |                         |
| 9       | 2     | 12          | 84.2             | 1809                   |                        | 8.034642       |                         |
| 10      | 3     | 8           | 75.8             | 1594                   | 1098                   | 8.639579       |                         |
| 11      | 1     | 5           | 51.2             |                        |                        | 9.593978       |                         |
| 12      | 3     | 14          | 75.9             | 1473                   | 1713                   | 10.704363      |                         |
| 13      | 2     | 16          | 66.4             | 1158                   |                        | 11.666061      |                         |

## Bin5 Statistics 21

CF=5530MHz

| Trial # | Pulse | Chirp (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          | 70.9             | 1666                   |                        | 1.458442       | 1                       |
| 1       | 2     | 14          | 95.3             | 1075                   |                        | 2.636129       |                         |
| 2       | 2     | 20          | 51.7             | 1999                   |                        | 4.094092       |                         |
| 3       | 1     | 6           | 90.4             |                        |                        | 4.512586       |                         |
| 4       | 2     | 12          | 84.8             | 1218                   |                        | 6.123194       |                         |
| 5       | 2     | 8           | 89.6             | 1118                   |                        | 8.816165       |                         |
| 6       | 2     | 7           | 63.8             | 1197                   |                        | 9.783587       |                         |
| 7       | 3     | 17          | 60.9             | 1992                   | 1539                   | 11.693162      |                         |

## Bin5 Statistics 22

CF=5555MHz

| Trial # | Pulse | Chirp (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          | 81.9             | 1598                   |                        | 0.531572       | 1                       |
| 1       | 2     | 9           | 52.1             | 1885                   |                        | 1.602527       |                         |
| 2       | 1     | 20          | 95.6             |                        |                        | 1.971926       |                         |
| 3       | 3     | 9           | 66.3             | 1307                   | 1238                   | 3.047211       |                         |
| 4       | 1     | 15          | 68.7             |                        |                        | 3.85141        |                         |
| 5       | 1     | 12          | 79.6             |                        |                        | 4.334549       |                         |
| 6       | 3     | 15          | 63.1             | 1528                   | 1259                   | 5.703393       |                         |
| 7       | 3     | 12          | 55.2             | 1674                   | 1629                   | 6.650681       |                         |
| 8       | 3     | 13          | 50.7             | 1103                   | 1265                   | 6.880546       |                         |
| 9       | 2     | 13          | 56.8             | 1259                   |                        | 8.378501       |                         |
| 10      | 1     | 8           | 92.4             |                        |                        | 8.811047       |                         |
| 11      | 2     | 9           | 52.5             | 1024                   |                        | 9.716333       |                         |
| 12      | 1     | 12          | 94               |                        |                        | 10.868302      |                         |
| 13      | 2     | 18          | 53.8             | 1439                   |                        | 11.492202      |                         |

## Bin5 Statistics 23

CF=5555MHz

| Trial # | Pulse | Chirp (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           | 59.2             | 1728                   |                        | 0.448232       | 1                       |
| 1       | 2     | 5           | 58               | 1991                   |                        | 1.338394       |                         |
| 2       | 2     | 19          | 95.5             | 1165                   |                        | 2.27603        |                         |
| 3       | 2     | 19          | 88.6             | 1448                   |                        | 2.794306       |                         |
| 4       | 1     | 19          | 95.4             |                        |                        | 4.223274       |                         |
| 5       | 1     | 18          | 70.4             |                        |                        | 5.106322       |                         |
| 6       | 2     | 10          | 64.8             | 1080                   |                        | 6.253626       |                         |
| 7       | 2     | 17          | 85.5             | 1864                   |                        | 6.827635       |                         |
| 8       | 2     | 8           | 91.2             | 1574                   |                        | 7.781758       |                         |
| 9       | 1     | 11          | 60.2             |                        |                        | 8.57642        |                         |
| 10      | 2     | 10          | 66.7             | 1542                   |                        | 9.966994       |                         |
| 11      | 2     | 5           | 68.3             | 1783                   |                        | 10.996255      |                         |
| 12      | 2     | 7           | 75.5             | 1093                   |                        | 11.306319      |                         |

## Bin5 Statistics 24

CF=5562MHz

| Trial # | Pulse | Chirp (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          | 67.4             |                        |                        | 0.341616       | 1                       |
| 1       | 2     | 6           | 94.6             | 1325                   |                        | 1.205854       |                         |
| 2       | 2     | 7           | 90.6             | 1827                   |                        | 2.164721       |                         |
| 3       | 1     | 10          | 85.1             |                        |                        | 3.637074       |                         |
| 4       | 2     | 10          | 71.6             | 1646                   |                        | 3.997775       |                         |
| 5       | 2     | 7           | 77.8             | 1999                   |                        | 5.346044       |                         |
| 6       | 3     | 18          | 72               | 1126                   | 1595                   | 5.813427       |                         |
| 7       | 2     | 17          | 83.8             | 1327                   |                        | 6.68262        |                         |
| 8       | 1     | 13          | 97.4             |                        |                        | 7.7301         |                         |
| 9       | 2     | 18          | 86.4             | 1971                   |                        | 8.992797       |                         |
| 10      | 1     | 19          | 85.4             |                        |                        | 9.235157       |                         |
| 11      | 3     | 19          | 67.6             | 1414                   | 1478                   | 11.052338      |                         |
| 12      | 2     | 11          | 81.3             | 1744                   |                        | 11.624757      |                         |

## Bin5 Statistics 25

CF=5538MHz

| Trial # | Pulse | Chirp (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          | 91.6             |                        |                        | 0.315579       | 1                       |
| 1       | 2     | 5           | 87.1             | 1886                   |                        | 1.667458       |                         |
| 2       | 2     | 7           | 71.5             | 1474                   |                        | 2.297863       |                         |
| 3       | 3     | 7           | 82.6             | 1326                   | 1948                   | 2.787648       |                         |
| 4       | 3     | 13          | 92.1             | 1766                   | 1026                   | 3.831139       |                         |
| 5       | 2     | 9           | 71.2             | 1703                   |                        | 4.557701       |                         |
| 6       | 1     | 16          | 86.2             |                        |                        | 5.152007       |                         |
| 7       | 2     | 16          | 69.3             | 1070                   |                        | 6.427053       |                         |
| 8       | 3     | 17          | 94.6             | 1703                   | 1697                   | 7.116235       |                         |
| 9       | 2     | 14          | 77.1             | 1879                   |                        | 7.733976       |                         |
| 10      | 3     | 10          | 86.4             | 1705                   | 1393                   | 8.83021        |                         |
| 11      | 3     | 14          | 61.8             | 1075                   | 1538                   | 9.583413       |                         |
| 12      | 2     | 5           | 87.2             | 1561                   |                        | 10.654163      |                         |
| 13      | 1     | 17          | 63.4             |                        |                        | 11.326426      |                         |

## Bin5 Statistics 26

CF=5559MHz

| Trial # | Pulse | Chirp (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           | 84.2             | 1830                   | 1513                   | 0.734639       | 1                       |
| 1       | 3     | 16          | 92.7             | 1652                   | 1737                   | 1.365617       |                         |
| 2       | 3     | 11          | 95               | 1333                   | 1409                   | 2.707936       |                         |
| 3       | 2     | 11          | 79.9             | 1976                   |                        | 3.930188       |                         |
| 4       | 3     | 9           | 96.1             | 1114                   | 1292                   | 4.387488       |                         |
| 5       | 3     | 6           | 94.6             | 1015                   | 1379                   | 5.620502       |                         |
| 6       | 3     | 7           | 76.3             | 1763                   | 1051                   | 7.227962       |                         |
| 7       | 1     | 11          | 54.2             |                        |                        | 8.163025       |                         |
| 8       | 1     | 14          | 56.7             |                        |                        | 8.864004       |                         |
| 9       | 1     | 5           | 51               |                        |                        | 9.828876       |                         |
| 10      | 3     | 13          | 96.8             | 1882                   | 1125                   | 11.823257      |                         |

## Bin5 Statistics 27

CF=5547MHz

| Trial # | Pulse | Chirp (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          | 53.5             | 1138                   |                        | 0.917849       | 1                       |
| 1       | 3     | 14          | 66.2             | 1371                   | 1514                   | 1.58397        |                         |
| 2       | 2     | 9           | 93.3             | 1693                   |                        | 2.144234       |                         |
| 3       | 3     | 15          | 87.6             | 1092                   | 1176                   | 3.78325        |                         |
| 4       | 2     | 14          | 95.3             | 1277                   |                        | 4.417265       |                         |
| 5       | 1     | 7           | 99.2             |                        |                        | 5.279158       |                         |
| 6       | 2     | 11          | 66.1             | 1699                   |                        | 6.144912       |                         |
| 7       | 3     | 13          | 66.8             | 1861                   | 1089                   | 7.117451       |                         |
| 8       | 2     | 6           | 93.1             | 1616                   |                        | 8.75789        |                         |
| 9       | 1     | 18          | 84.1             |                        |                        | 9.767659       |                         |
| 10      | 3     | 13          | 54               | 1150                   | 1153                   | 10.27882       |                         |
| 11      | 2     | 17          | 88.2             | 1378                   |                        | 11.186016      |                         |

## Bin5 Statistics 28

CF=5551MHz

| Trial # | Pulse | Chirp (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           | 85.8             | 1527                   |                        | 0.804731       | 1                       |
| 1       | 2     | 13          | 87.2             | 1945                   |                        | 1.494609       |                         |
| 2       | 2     | 17          | 92.5             | 1784                   |                        | 2.78379        |                         |
| 3       | 1     | 7           | 67.4             |                        |                        | 4.505222       |                         |
| 4       | 2     | 9           | 78.8             | 1086                   |                        | 4.966044       |                         |
| 5       | 3     | 18          | 56.8             | 1128                   | 1944                   | 6.472565       |                         |
| 6       | 3     | 6           | 61.6             | 1656                   | 1634                   | 8.251735       |                         |
| 7       | 1     | 8           | 67.4             |                        |                        | 8.957477       |                         |
| 8       | 1     | 7           | 63.8             |                        |                        | 10.638861      |                         |
| 9       | 3     | 6           | 91.4             | 1602                   | 1845                   | 11.576155      |                         |

## Bin5 Statistics 29

CF=5534MHz

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0       | 2     | 13          | 82.8             | 1548                   |                        | 0.638654       | 1                       |
| 1       | 1     | 6           | 89.1             |                        |                        | 1.427729       |                         |
| 2       | 2     | 9           | 95.5             | 1056                   |                        | 1.790393       |                         |
| 3       | 1     | 19          | 90               |                        |                        | 2.768035       |                         |
| 4       | 3     | 20          | 64               | 1407                   | 1377                   | 3.573916       |                         |
| 5       | 2     | 15          | 70.2             | 1196                   |                        | 5.005269       |                         |
| 6       | 1     | 15          | 99.6             |                        |                        | 5.39114        |                         |
| 7       | 2     | 9           | 83.8             | 1349                   |                        | 6.147703       |                         |
| 8       | 3     | 6           | 54.1             | 1596                   | 1705                   | 7.662868       |                         |
| 9       | 1     | 18          | 98.8             |                        |                        | 8.413027       |                         |
| 10      | 2     | 7           | 95.7             | 1574                   |                        | 9.187615       |                         |
| 11      | 2     | 16          | 61.2             | 1499                   |                        | 10.250363      |                         |
| 12      | 1     | 10          | 97.5             |                        |                        | 10.474377      |                         |
| 13      | 1     | 17          | 65.9             |                        |                        | 11.956313      |                         |



Bin5 Statistics 30

CF=5544MHz

| Trial # | Pulse | Chirp (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          | 96.8             | 1848                   |                        | 0.507757       | 1                       |
| 1       | 1     | 10          | 86.3             |                        |                        | 2.349746       |                         |
| 2       | 2     | 10          | 65               | 1975                   |                        | 3.323919       |                         |
| 3       | 3     | 14          | 98.1             | 1898                   | 1412                   | 4.776498       |                         |
| 4       | 1     | 18          | 85.7             |                        |                        | 5.613413       |                         |
| 5       | 3     | 17          | 98               | 1981                   | 1412                   | 6.754271       |                         |
| 6       | 2     | 12          | 60.3             | 1581                   |                        | 8.339421       |                         |
| 7       | 2     | 19          | 50.9             | 1386                   |                        | 8.597001       |                         |
| 8       | 2     | 11          | 69.4             | 1376                   |                        | 10.579445      |                         |
| 9       | 1     | 10          | 99.5             |                        |                        | 11.70663       |                         |

**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              | 5550            | 9                   | 1                       | 333             | 1                              | 5375.0, 5496.0, 5497.0, 5322.0, 5370.0, 5492.0, 5344.0, 5524.0, 5362.0, 5530.0, 5358.0, 5427.0, 5267.0, 5517.0, 5372.0, 5295.0, 5440.0, 5269.0, 5571.0, 5429.0, 5668.0, 5376.0, 5631.0, 5311.0, 5263.0, 5272.0, 5527.0, 5277.0, 5394.0, 5521.0, 5567.0, 5268.0, 5459.0, 5547.0, 5308.0, 5656.0, 5637.0, 5330.0, 5650.0, 5552.0, 5324.0, 5674.0, 5592.0, 5466.0, 5523.0, 5402.0, 5284.0, 5706.0, 5298.0, 5418.0, 5696.0, 5326.0, 5620.0, 5662.0, 5713.0, 5343.0, 5465.0, 5398.0, 5460.0, 5601.0, 5585.0, 5392.0, 5250.0, 5450.0, 5722.0, 5287.0, 5469.0, 5361.0, 5368.0, 5379.0, 5687.0, 5281.0, 5410.0, 5419.0, 5360.0, 5408.0, 5316.0, 5575.0, 5721.0, 5626.0, 5251.0, 5617.0, 5514.0, 5643.0, 5428.0, 5518.0, 5709.0, 5688.0, 5624.0, 5613.0, 5559.0, 5397.0, 5525.0, 5642.0, 5528.0, 5611.0, 5608.0, 5723.0, 5385.0, 5577.0<br>(number of hits: 5 )  |
| 2              | 5550            | 9                   | 1                       | 333             | 1                              | 5434.0, 5654.0, 5721.0, 5327.0, 5675.0, 5673.0, 5611.0, 5561.0, 5714.0, 5421.0, 5323.0, 5342.0, 5621.0, 5553.0, 5495.0, 5642.0, 5298.0, 5622.0, 5539.0, 5467.0, 5629.0, 5547.0, 5275.0, 5356.0, 5352.0, 5259.0, 5333.0, 5699.0, 5481.0, 5289.0, 5623.0, 5385.0, 5258.0, 5685.0, 5548.0, 5509.0, 5656.0, 5683.0, 5601.0, 5290.0, 5418.0, 5554.0, 5406.0, 5267.0, 5409.0, 5587.0, 5274.0, 5492.0, 5718.0, 5471.0, 5278.0, 5620.0, 5407.0, 5647.0, 5366.0, 5387.0, 5309.0, 5570.0, 5464.0, 5431.0, 5605.0, 5331.0, 5566.0, 5712.0, 5376.0, 5572.0, 5477.0, 5334.0, 5660.0, 5552.0, 5432.0, 5484.0, 5408.0, 5455.0, 5452.0, 5388.0, 5280.0, 5518.0, 5260.0, 5522.0, 5538.0, 5640.0, 5649.0, 5523.0, 5550.0, 5358.0, 5516.0, 5447.0, 5284.0, 5473.0, 5349.0, 5416.0, 5273.0, 5614.0, 5723.0, 5395.0, 5339.0, 5382.0, 5578.0, 5606.0<br>(number of hits: 10 ) |
| 3              | 5550            | 9                   | 1                       | 333             | 1                              | 5592.0, 5581.0, 5434.0, 5439.0, 5368.0, 5686.0, 5536.0, 5614.0, 5260.0, 5455.0, 5670.0, 5369.0, 5694.0, 5418.0, 5518.0, 5531.0, 5347.0, 5278.0, 5275.0, 5440.0, 5622.0, 5512.0, 5679.0, 5652.0, 5463.0, 5334.0, 5288.0, 5386.0, 5437.0, 5441.0, 5309.0, 5553.0, 5457.0, 5534.0, 5261.0, 5624.0, 5696.0, 5566.0, 5298.0, 5496.0, 5253.0, 5564.0, 5685.0, 5401.0, 5602.0, 5716.0, 5250.0, 5438.0, 5571.0, 5325.0, 5412.0, 5397.0, 5638.0, 5461.0, 5645.0, 5423.0, 5546.0, 5384.0, 5495.0, 5311.0, 5506.0, 5678.0, 5659.0, 5629.0, 5474.0,                                                                                                                                                                                                                                                                                                                 |

|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 5504.0, 5634.0, 5430.0, 5425.0, 5365.0, 5557.0, 5339.0, 5543.0, 5627.0, 5528.0, 5663.0, 5328.0, 5491.0, 5616.0, 5501.0, 5674.0, 5356.0, 5428.0, 5487.0, 5589.0, 5515.0, 5359.0, 5574.0, 5256.0, 5443.0, 5617.0, 5338.0, 5456.0, 5653.0, 5658.0, 5603.0, 5509.0, 5665.0, 5314.0, 5344.0<br>(number of hits: 9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4 | 5550 | 9 | 1 | 333 | 1 | 5543.0, 5553.0, 5708.0, 5694.0, 5400.0, 5649.0, 5452.0, 5681.0, 5439.0, 5460.0, 5562.0, 5481.0, 5450.0, 5410.0, 5693.0, 5340.0, 5417.0, 5404.0, 5534.0, 5263.0, 5379.0, 5502.0, 5639.0, 5629.0, 5555.0, 5668.0, 5353.0, 5660.0, 5328.0, 5689.0, 5510.0, 5520.0, 5301.0, 5397.0, 5627.0, 5616.0, 5609.0, 5552.0, 5412.0, 5642.0, 5389.0, 5457.0, 5563.0, 5643.0, 5375.0, 5305.0, 5341.0, 5506.0, 5683.0, 5367.0, 5416.0, 5424.0, 5606.0, 5645.0, 5374.0, 5653.0, 5440.0, 5407.0, 5661.0, 5718.0, 5456.0, 5388.0, 5408.0, 5334.0, 5267.0, 5279.0, 5519.0, 5662.0, 5304.0, 5516.0, 5268.0, 5703.0, 5413.0, 5702.0, 5663.0, 5646.0, 5465.0, 5466.0, 5315.0, 5382.0, 5352.0, 5494.0, 5493.0, 5415.0, 5396.0, 5524.0, 5558.0, 5596.0, 5651.0, 5635.0, 5337.0, 5296.0, 5698.0, 5302.0, 5358.0, 5462.0, 5647.0, 5511.0, 5638.0, 5637.0<br>(number of hits: 8) |
| 5 | 5550 | 9 | 1 | 333 | 1 | 5477.0, 5512.0, 5553.0, 5390.0, 5279.0, 5382.0, 5719.0, 5371.0, 5445.0, 5453.0, 5303.0, 5360.0, 5708.0, 5305.0, 5268.0, 5294.0, 5524.0, 5540.0, 5674.0, 5377.0, 5532.0, 5344.0, 5573.0, 5494.0, 5297.0, 5402.0, 5442.0, 5583.0, 5391.0, 5394.0, 5311.0, 5534.0, 5356.0, 5327.0, 5599.0, 5429.0, 5504.0, 5694.0, 5273.0, 5250.0, 5275.0, 5622.0, 5319.0, 5351.0, 5397.0, 5572.0, 5409.0, 5470.0, 5384.0, 5500.0, 5613.0, 5330.0, 5412.0, 5522.0, 5660.0, 5565.0, 5393.0, 5285.0, 5581.0, 5547.0, 5261.0, 5503.0, 5362.0, 5651.0, 5506.0, 5525.0, 5657.0, 5262.0, 5439.0, 5528.0, 5413.0, 5566.0, 5501.0, 5284.0, 5642.0, 5486.0, 5314.0, 5308.0, 5386.0, 5407.0, 5681.0, 5421.0, 5366.0, 5451.0, 5359.0, 5673.0, 5318.0, 5671.0, 5441.0, 5519.0, 5322.0, 5639.0, 5255.0, 5620.0, 5267.0, 5511.0, 5426.0, 5518.0, 5478.0, 5263.0<br>(number of hits: 7) |
| 6 | 5550 | 9 | 1 | 333 | 1 | 5674.0, 5399.0, 5681.0, 5658.0, 5439.0, 5297.0, 5547.0, 5314.0, 5598.0, 5580.0, 5645.0, 5425.0, 5398.0, 5464.0, 5412.0, 5281.0, 5447.0, 5490.0, 5516.0, 5588.0, 5558.0, 5325.0, 5363.0, 5687.0, 5396.0, 5637.0, 5437.0, 5430.0, 5646.0, 5618.0, 5472.0, 5392.0, 5333.0, 5600.0, 5541.0, 5315.0, 5403.0, 5631.0, 5318.0, 5535.0, 5653.0, 5445.0, 5387.0, 5485.0, 5405.0, 5700.0, 5388.0, 5493.0, 5626.0, 5568.0,                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|   |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |      |   |   |     |   | 5385.0, 5660.0, 5258.0, 5513.0, 5277.0, 5359.0, 5300.0, 5570.0, 5539.0, 5452.0, 5709.0, 5625.0, 5678.0, 5467.0, 5319.0, 5426.0, 5566.0, 5704.0, 5676.0, 5434.0, 5679.0, 5337.0, 5369.0, 5649.0, 5583.0, 5551.0, 5528.0, 5514.0, 5340.0, 5461.0, 5431.0, 5360.0, 5654.0, 5628.0, 5296.0, 5599.0, 5418.0, 5589.0, 5285.0, 5505.0, 5456.0, 5408.0, 5549.0, 5703.0, 5357.0, 5394.0, 5585.0, 5538.0, 5666.0, 5370.0<br>(number of hits: 10)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 7 | 5550 | 9 | 1 | 333 | 1 | 5569.0, 5568.0, 5378.0, 5550.0, 5442.0, 5544.0, 5396.0, 5563.0, 5346.0, 5385.0, 5668.0, 5652.0, 5258.0, 5251.0, 5518.0, 5500.0, 5699.0, 5509.0, 5674.0, 5647.0, 5266.0, 5461.0, 5520.0, 5718.0, 5483.0, 5450.0, 5522.0, 5670.0, 5437.0, 5253.0, 5539.0, 5312.0, 5615.0, 5420.0, 5432.0, 5362.0, 5642.0, 5434.0, 5561.0, 5630.0, 5347.0, 5525.0, 5700.0, 5344.0, 5673.0, 5412.0, 5382.0, 5486.0, 5423.0, 5471.0, 5526.0, 5435.0, 5687.0, 5460.0, 5479.0, 5438.0, 5255.0, 5319.0, 5527.0, 5519.0, 5624.0, 5317.0, 5372.0, 5557.0, 5678.0, 5287.0, 5389.0, 5315.0, 5410.0, 5521.0, 5722.0, 5620.0, 5257.0, 5375.0, 5621.0, 5376.0, 5427.0, 5610.0, 5703.0, 5288.0, 5706.0, 5565.0, 5278.0, 5428.0, 5357.0, 5662.0, 5297.0, 5414.0, 5358.0, 5503.0, 5537.0, 5564.0, 5671.0, 5660.0, 5625.0, 5417.0, 5714.0, 5685.0, 5282.0, 5263.0<br>(number of hits: 11) |
| 8 | 5550 | 9 | 1 | 333 | 1 | 5291.0, 5430.0, 5402.0, 5545.0, 5666.0, 5341.0, 5534.0, 5708.0, 5566.0, 5258.0, 5595.0, 5493.0, 5372.0, 5547.0, 5599.0, 5589.0, 5712.0, 5616.0, 5342.0, 5703.0, 5346.0, 5624.0, 5550.0, 5498.0, 5698.0, 5290.0, 5567.0, 5288.0, 5420.0, 5370.0, 5641.0, 5559.0, 5710.0, 5622.0, 5389.0, 5577.0, 5709.0, 5632.0, 5612.0, 5659.0, 5642.0, 5363.0, 5334.0, 5521.0, 5548.0, 5262.0, 5688.0, 5443.0, 5351.0, 5293.0, 5502.0, 5394.0, 5266.0, 5392.0, 5360.0, 5459.0, 5378.0, 5500.0, 5426.0, 5401.0, 5601.0, 5350.0, 5562.0, 5686.0, 5377.0, 5458.0, 5629.0, 5535.0, 5415.0, 5687.0, 5414.0, 5704.0, 5322.0, 5427.0, 5333.0, 5454.0, 5614.0, 5272.0, 5361.0, 5441.0, 5424.0, 5483.0, 5419.0, 5445.0, 5651.0, 5691.0, 5590.0, 5509.0, 5695.0, 5330.0, 5446.0, 5462.0, 5503.0, 5373.0, 5516.0, 5522.0, 5352.0, 5396.0, 5598.0, 5555.0<br>(number of hits: 11) |
| 9 | 5550 | 9 | 1 | 333 | 1 | 5317.0, 5255.0, 5371.0, 5690.0, 5301.0, 5663.0, 5521.0, 5605.0, 5500.0, 5620.0, 5596.0, 5416.0, 5334.0, 5517.0, 5523.0, 5559.0, 5563.0, 5432.0, 5561.0, 5454.0, 5341.0, 5373.0, 5721.0, 5673.0, 5361.0, 5326.0, 5304.0, 5692.0, 5397.0, 5586.0, 5558.0, 5632.0, 5447.0, 5678.0, 5446.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5268.0, 5480.0, 5722.0, 5388.0, 5612.0, 5422.0, 5312.0, 5425.0, 5538.0, 5594.0, 5585.0, 5426.0, 5471.0, 5292.0, 5622.0, 5424.0, 5414.0, 5287.0, 5543.0, 5555.0, 5529.0, 5626.0, 5534.0, 5544.0, 5460.0, 5273.0, 5269.0, 5254.0, 5552.0, 5257.0, 5494.0, 5606.0, 5664.0, 5487.0, 5599.0, 5514.0, 5509.0, 5539.0, 5499.0, 5258.0, 5524.0, 5702.0, 5660.0, 5541.0, 5277.0, 5597.0, 5578.0, 5691.0, 5360.0, 5550.0, 5513.0, 5406.0, 5263.0, 5540.0, 5404.0, 5568.0, 5719.0, 5665.0, 5584.0, 5712.0, 5415.0, 5515.0, 5715.0, 5363.0, 5669.0<br>(number of hits: 15 )                                                                                                                                                                                                                                                                                        |
| 10 | 5550 | 9 | 1 | 333 | 1 | 5346.0, 5513.0, 5361.0, 5501.0, 5263.0, 5582.0, 5649.0, 5268.0, 5625.0, 5678.0, 5593.0, 5578.0, 5555.0, 5358.0, 5367.0, 5720.0, 5682.0, 5452.0, 5617.0, 5483.0, 5260.0, 5407.0, 5470.0, 5383.0, 5397.0, 5315.0, 5715.0, 5613.0, 5456.0, 5602.0, 5403.0, 5474.0, 5274.0, 5595.0, 5711.0, 5460.0, 5459.0, 5527.0, 5462.0, 5652.0, 5466.0, 5281.0, 5585.0, 5724.0, 5259.0, 5597.0, 5262.0, 5657.0, 5709.0, 5598.0, 5610.0, 5589.0, 5365.0, 5341.0, 5722.0, 5671.0, 5371.0, 5430.0, 5583.0, 5284.0, 5544.0, 5320.0, 5524.0, 5573.0, 5338.0, 5420.0, 5337.0, 5693.0, 5612.0, 5545.0, 5669.0, 5432.0, 5556.0, 5326.0, 5618.0, 5498.0, 5396.0, 5523.0, 5586.0, 5580.0, 5339.0, 5255.0, 5500.0, 5385.0, 5363.0, 5718.0, 5465.0, 5389.0, 5487.0, 5563.0, 5450.0, 5486.0, 5680.0, 5653.0, 5271.0, 5485.0, 5329.0, 5690.0, 5360.0, 5685.0<br>(number of hits: 5 ) |
| 11 | 5550 | 9 | 1 | 333 | 1 | 5434.0, 5663.0, 5387.0, 5677.0, 5376.0, 5458.0, 5428.0, 5566.0, 5714.0, 5313.0, 5680.0, 5493.0, 5353.0, 5682.0, 5687.0, 5388.0, 5614.0, 5503.0, 5472.0, 5420.0, 5287.0, 5445.0, 5635.0, 5354.0, 5449.0, 5419.0, 5364.0, 5280.0, 5639.0, 5698.0, 5381.0, 5587.0, 5330.0, 5306.0, 5529.0, 5432.0, 5549.0, 5524.0, 5446.0, 5536.0, 5560.0, 5615.0, 5606.0, 5332.0, 5431.0, 5678.0, 5416.0, 5331.0, 5267.0, 5518.0, 5583.0, 5702.0, 5584.0, 5340.0, 5482.0, 5673.0, 5265.0, 5373.0, 5666.0, 5440.0, 5604.0, 5453.0, 5328.0, 5423.0, 5469.0, 5505.0, 5532.0, 5278.0, 5684.0, 5403.0, 5591.0, 5685.0, 5709.0, 5507.0, 5553.0, 5344.0, 5704.0, 5514.0, 5253.0, 5601.0, 5295.0, 5515.0, 5379.0, 5259.0, 5410.0, 5577.0, 5641.0, 5512.0, 5633.0, 5559.0, 5653.0, 5271.0, 5618.0, 5537.0, 5690.0, 5575.0, 5333.0, 5475.0, 5348.0, 5645.0<br>(number of hits: 8 ) |
| 12 | 5550 | 9 | 1 | 333 | 1 | 5608.0, 5522.0, 5508.0, 5444.0, 5434.0, 5261.0, 5435.0, 5629.0, 5433.0, 5455.0, 5363.0, 5634.0, 5558.0, 5693.0, 5459.0, 5285.0, 5317.0, 5718.0, 5307.0, 5273.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|------|---|---|-----|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5335.0, 5552.0, 5477.0, 5469.0, 5421.0, 5377.0, 5429.0, 5442.0, 5341.0, 5500.0, 5299.0, 5707.0, 5400.0, 5472.0, 5601.0, 5394.0, 5430.0, 5447.0, 5650.0, 5344.0, 5283.0, 5519.0, 5385.0, 5450.0, 5644.0, 5535.0, 5349.0, 5721.0, 5685.0, 5507.0, 5271.0, 5560.0, 5626.0, 5597.0, 5272.0, 5646.0, 5574.0, 5457.0, 5528.0, 5409.0, 5345.0, 5417.0, 5643.0, 5603.0, 5493.0, 5372.0, 5697.0, 5530.0, 5263.0, 5609.0, 5520.0, 5537.0, 5526.0, 5467.0, 5324.0, 5545.0, 5280.0, 5712.0, 5269.0, 5724.0, 5331.0, 5376.0, 5695.0, 5599.0, 5327.0, 5639.0, 5548.0, 5314.0, 5572.0, 5627.0, 5378.0, 5427.0, 5511.0, 5270.0, 5396.0, 5713.0, 5487.0, 5580.0, 5485.0, 5630.0<br>(number of hits: 8 )                                                                                                                                                                  |
| 13 | 5550 | 9 | 1 | 333 | 1 | 5538.0, 5260.0, 5306.0, 5317.0, 5387.0, 5264.0, 5587.0, 5333.0, 5365.0, 5716.0, 5466.0, 5658.0, 5367.0, 5464.0, 5705.0, 5334.0, 5379.0, 5569.0, 5634.0, 5649.0, 5310.0, 5647.0, 5481.0, 5685.0, 5620.0, 5714.0, 5580.0, 5291.0, 5696.0, 5257.0, 5671.0, 5299.0, 5395.0, 5270.0, 5701.0, 5251.0, 5619.0, 5624.0, 5563.0, 5531.0, 5475.0, 5397.0, 5659.0, 5612.0, 5429.0, 5615.0, 5374.0, 5352.0, 5442.0, 5694.0, 5526.0, 5386.0, 5697.0, 5341.0, 5564.0, 5703.0, 5579.0, 5328.0, 5626.0, 5632.0, 5359.0, 5549.0, 5327.0, 5490.0, 5350.0, 5452.0, 5439.0, 5296.0, 5577.0, 5478.0, 5425.0, 5565.0, 5392.0, 5496.0, 5568.0, 5351.0, 5360.0, 5457.0, 5510.0, 5437.0, 5415.0, 5459.0, 5424.0, 5655.0, 5431.0, 5641.0, 5453.0, 5642.0, 5493.0, 5548.0, 5660.0, 5528.0, 5588.0, 5567.0, 5639.0, 5699.0, 5410.0, 5711.0, 5614.0, 5651.0<br>(number of hits: 10 ) |
| 14 | 5550 | 9 | 1 | 333 | 1 | 5518.0, 5308.0, 5288.0, 5600.0, 5462.0, 5545.0, 5442.0, 5399.0, 5323.0, 5301.0, 5538.0, 5511.0, 5581.0, 5713.0, 5499.0, 5595.0, 5707.0, 5678.0, 5524.0, 5692.0, 5251.0, 5436.0, 5488.0, 5327.0, 5283.0, 5720.0, 5575.0, 5593.0, 5520.0, 5256.0, 5637.0, 5364.0, 5519.0, 5533.0, 5653.0, 5267.0, 5295.0, 5284.0, 5706.0, 5688.0, 5609.0, 5379.0, 5554.0, 5710.0, 5426.0, 5683.0, 5622.0, 5329.0, 5614.0, 5286.0, 5370.0, 5266.0, 5495.0, 5704.0, 5383.0, 5514.0, 5381.0, 5676.0, 5526.0, 5509.0, 5638.0, 5597.0, 5369.0, 5566.0, 5274.0, 5717.0, 5448.0, 5331.0, 5259.0, 5630.0, 5289.0, 5471.0, 5357.0, 5445.0, 5254.0, 5576.0, 5583.0, 5719.0, 5477.0, 5431.0, 5300.0, 5466.0, 5312.0, 5350.0, 5634.0, 5620.0, 5693.0, 5516.0, 5724.0, 5429.0, 5562.0, 5252.0, 5443.0, 5396.0, 5513.0, 5599.0, 5337.0, 5334.0, 5346.0, 5413.0<br>(number of hits: 6 )  |
| 15 | 5550 | 9 | 1 | 333 | 1 | 5636.0, 5473.0, 5427.0, 5715.0, 5380.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5684.0, 5272.0, 5693.0, 5279.0, 5536.0, 5604.0, 5484.0, 5575.0, 5426.0, 5478.0, 5718.0, 5262.0, 5584.0, 5637.0, 5448.0, 5299.0, 5569.0, 5485.0, 5602.0, 5683.0, 5423.0, 5548.0, 5285.0, 5293.0, 5304.0, 5460.0, 5508.0, 5298.0, 5276.0, 5629.0, 5433.0, 5592.0, 5565.0, 5403.0, 5566.0, 5260.0, 5344.0, 5666.0, 5413.0, 5582.0, 5658.0, 5635.0, 5710.0, 5400.0, 5630.0, 5481.0, 5463.0, 5369.0, 5486.0, 5378.0, 5577.0, 5294.0, 5585.0, 5337.0, 5517.0, 5620.0, 5410.0, 5524.0, 5519.0, 5363.0, 5642.0, 5255.0, 5297.0, 5261.0, 5280.0, 5664.0, 5619.0, 5632.0, 5573.0, 5506.0, 5680.0, 5259.0, 5546.0, 5379.0, 5512.0, 5437.0, 5586.0, 5639.0, 5302.0, 5713.0, 5422.0, 5256.0, 5321.0, 5312.0, 5550.0, 5496.0, 5685.0, 5335.0, 5528.0, 5616.0, 5265.0, 5646.0, 5719.0, 5670.0, 5509.0<br>(number of hits: 7)                                         |
| 16 | 5550 | 9 | 1 | 333 | 1 | 5400.0, 5451.0, 5410.0, 5391.0, 5310.0, 5688.0, 5640.0, 5368.0, 5386.0, 5340.0, 5502.0, 5294.0, 5435.0, 5367.0, 5504.0, 5617.0, 5251.0, 5278.0, 5398.0, 5383.0, 5676.0, 5344.0, 5420.0, 5579.0, 5717.0, 5357.0, 5296.0, 5447.0, 5649.0, 5547.0, 5274.0, 5531.0, 5373.0, 5474.0, 5267.0, 5527.0, 5460.0, 5678.0, 5419.0, 5366.0, 5493.0, 5292.0, 5316.0, 5532.0, 5318.0, 5589.0, 5464.0, 5641.0, 5492.0, 5645.0, 5481.0, 5311.0, 5328.0, 5271.0, 5313.0, 5606.0, 5587.0, 5472.0, 5563.0, 5603.0, 5595.0, 5495.0, 5631.0, 5389.0, 5276.0, 5568.0, 5722.0, 5626.0, 5605.0, 5663.0, 5538.0, 5497.0, 5477.0, 5510.0, 5381.0, 5601.0, 5469.0, 5574.0, 5628.0, 5476.0, 5329.0, 5339.0, 5362.0, 5411.0, 5691.0, 5314.0, 5639.0, 5275.0, 5454.0, 5602.0, 5337.0, 5277.0, 5442.0, 5354.0, 5697.0, 5297.0, 5709.0, 5395.0, 5625.0, 5437.0<br>(number of hits: 6) |
| 17 | 5550 | 9 | 1 | 333 | 1 | 5607.0, 5562.0, 5640.0, 5517.0, 5541.0, 5518.0, 5353.0, 5680.0, 5508.0, 5359.0, 5529.0, 5360.0, 5532.0, 5368.0, 5505.0, 5512.0, 5658.0, 5514.0, 5467.0, 5533.0, 5483.0, 5591.0, 5568.0, 5500.0, 5468.0, 5708.0, 5593.0, 5589.0, 5628.0, 5473.0, 5574.0, 5646.0, 5438.0, 5605.0, 5264.0, 5265.0, 5515.0, 5588.0, 5700.0, 5501.0, 5270.0, 5666.0, 5315.0, 5703.0, 5314.0, 5661.0, 5423.0, 5267.0, 5674.0, 5695.0, 5694.0, 5625.0, 5378.0, 5342.0, 5382.0, 5579.0, 5443.0, 5466.0, 5722.0, 5667.0, 5355.0, 5565.0, 5324.0, 5691.0, 5626.0, 5600.0, 5462.0, 5362.0, 5678.0, 5259.0, 5580.0, 5629.0, 5531.0, 5256.0, 5539.0, 5327.0, 5563.0, 5345.0, 5715.0, 5524.0, 5503.0, 5479.0, 5328.0, 5379.0, 5714.0, 5578.0, 5681.0, 5344.0, 5711.0, 5470.0, 5294.0, 5595.0, 5608.0, 5679.0, 5279.0,                                                               |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5719.0, 5357.0, 5717.0, 5507.0, 5369.0<br>(number of hits: 9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 18 | 5550 | 9 | 1 | 333 | 1 | 5642.0, 5296.0, 5445.0, 5373.0, 5280.0, 5473.0, 5494.0, 5516.0, 5450.0, 5594.0, 5401.0, 5575.0, 5569.0, 5488.0, 5622.0, 5352.0, 5441.0, 5538.0, 5540.0, 5663.0, 5374.0, 5261.0, 5596.0, 5469.0, 5268.0, 5312.0, 5442.0, 5351.0, 5435.0, 5689.0, 5431.0, 5316.0, 5482.0, 5702.0, 5443.0, 5448.0, 5708.0, 5678.0, 5602.0, 5302.0, 5362.0, 5489.0, 5644.0, 5376.0, 5257.0, 5468.0, 5414.0, 5562.0, 5676.0, 5547.0, 5255.0, 5429.0, 5688.0, 5279.0, 5564.0, 5314.0, 5706.0, 5530.0, 5340.0, 5270.0, 5346.0, 5700.0, 5574.0, 5418.0, 5402.0, 5349.0, 5300.0, 5424.0, 5434.0, 5399.0, 5659.0, 5290.0, 5721.0, 5716.0, 5454.0, 5385.0, 5580.0, 5283.0, 5639.0, 5446.0, 5613.0, 5681.0, 5662.0, 5269.0, 5687.0, 5328.0, 5390.0, 5668.0, 5506.0, 5321.0, 5386.0, 5453.0, 5519.0, 5411.0, 5603.0, 5524.0, 5305.0, 5332.0, 5546.0, 5556.0<br>(number of hits: 9) |
| 19 | 5550 | 9 | 1 | 333 | 1 | 5575.0, 5674.0, 5452.0, 5661.0, 5306.0, 5612.0, 5328.0, 5607.0, 5287.0, 5254.0, 5377.0, 5589.0, 5584.0, 5556.0, 5590.0, 5543.0, 5347.0, 5537.0, 5258.0, 5480.0, 5649.0, 5293.0, 5636.0, 5410.0, 5288.0, 5331.0, 5356.0, 5585.0, 5560.0, 5285.0, 5298.0, 5316.0, 5622.0, 5577.0, 5494.0, 5409.0, 5529.0, 5402.0, 5717.0, 5436.0, 5569.0, 5626.0, 5291.0, 5654.0, 5644.0, 5400.0, 5459.0, 5700.0, 5466.0, 5697.0, 5687.0, 5295.0, 5431.0, 5464.0, 5348.0, 5532.0, 5457.0, 5720.0, 5454.0, 5715.0, 5324.0, 5628.0, 5495.0, 5451.0, 5619.0, 5652.0, 5256.0, 5579.0, 5489.0, 5591.0, 5308.0, 5681.0, 5714.0, 5418.0, 5447.0, 5609.0, 5310.0, 5339.0, 5624.0, 5723.0, 5706.0, 5265.0, 5408.0, 5414.0, 5574.0, 5672.0, 5432.0, 5420.0, 5443.0, 5395.0, 5604.0, 5535.0, 5648.0, 5384.0, 5299.0, 5618.0, 5366.0, 5694.0, 5493.0, 5580.0<br>(number of hits: 7) |
| 20 | 5550 | 9 | 1 | 333 | 1 | 5492.0, 5253.0, 5505.0, 5258.0, 5541.0, 5269.0, 5399.0, 5477.0, 5273.0, 5395.0, 5672.0, 5260.0, 5403.0, 5558.0, 5682.0, 5630.0, 5475.0, 5665.0, 5423.0, 5289.0, 5356.0, 5598.0, 5646.0, 5409.0, 5676.0, 5298.0, 5437.0, 5451.0, 5529.0, 5614.0, 5651.0, 5634.0, 5487.0, 5418.0, 5302.0, 5486.0, 5286.0, 5436.0, 5367.0, 5703.0, 5259.0, 5300.0, 5485.0, 5564.0, 5602.0, 5398.0, 5680.0, 5278.0, 5453.0, 5466.0, 5615.0, 5590.0, 5376.0, 5711.0, 5318.0, 5471.0, 5288.0, 5309.0, 5443.0, 5297.0, 5516.0, 5378.0, 5335.0, 5440.0, 5413.0, 5358.0, 5420.0, 5557.0, 5397.0, 5569.0, 5377.0, 5488.0, 5669.0, 5523.0, 5629.0, 5712.0, 5619.0, 5439.0, 5299.0, 5572.0,                                                                                                                                                                                       |



|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5610.0, 5449.0, 5697.0, 5280.0, 5251.0, 5271.0, 5500.0, 5274.0, 5510.0, 5257.0, 5721.0, 5328.0, 5576.0, 5584.0, 5691.0, 5700.0, 5627.0, 5272.0, 5304.0, 5658.0<br>(number of hits: 5 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 21 | 5550 | 9 | 1 | 333 | 1 | 5292.0, 5470.0, 5696.0, 5698.0, 5584.0, 5693.0, 5662.0, 5285.0, 5338.0, 5546.0, 5712.0, 5328.0, 5392.0, 5640.0, 5318.0, 5585.0, 5577.0, 5551.0, 5453.0, 5520.0, 5613.0, 5426.0, 5298.0, 5279.0, 5406.0, 5322.0, 5372.0, 5348.0, 5472.0, 5428.0, 5432.0, 5661.0, 5605.0, 5420.0, 5341.0, 5450.0, 5716.0, 5702.0, 5627.0, 5527.0, 5433.0, 5454.0, 5609.0, 5483.0, 5625.0, 5687.0, 5556.0, 5580.0, 5366.0, 5307.0, 5683.0, 5685.0, 5371.0, 5574.0, 5475.0, 5493.0, 5604.0, 5355.0, 5589.0, 5532.0, 5386.0, 5441.0, 5681.0, 5385.0, 5290.0, 5421.0, 5721.0, 5669.0, 5650.0, 5688.0, 5329.0, 5637.0, 5614.0, 5711.0, 5564.0, 5268.0, 5266.0, 5517.0, 5469.0, 5597.0, 5390.0, 5557.0, 5303.0, 5690.0, 5325.0, 5301.0, 5617.0, 5260.0, 5476.0, 5656.0, 5440.0, 5457.0, 5610.0, 5675.0, 5573.0, 5354.0, 5545.0, 5563.0, 5513.0, 5471.0<br>(number of hits: 8 ) |
| 22 | 5550 | 9 | 1 | 333 | 1 | 5578.0, 5435.0, 5573.0, 5305.0, 5707.0, 5612.0, 5400.0, 5632.0, 5480.0, 5642.0, 5611.0, 5679.0, 5602.0, 5560.0, 5417.0, 5701.0, 5521.0, 5723.0, 5613.0, 5594.0, 5437.0, 5402.0, 5697.0, 5432.0, 5469.0, 5670.0, 5513.0, 5316.0, 5372.0, 5673.0, 5378.0, 5349.0, 5283.0, 5266.0, 5284.0, 5501.0, 5651.0, 5585.0, 5716.0, 5690.0, 5614.0, 5438.0, 5282.0, 5520.0, 5535.0, 5603.0, 5482.0, 5423.0, 5340.0, 5385.0, 5527.0, 5368.0, 5408.0, 5683.0, 5703.0, 5551.0, 5495.0, 5454.0, 5647.0, 5665.0, 5649.0, 5509.0, 5388.0, 5478.0, 5592.0, 5324.0, 5401.0, 5271.0, 5409.0, 5427.0, 5451.0, 5419.0, 5616.0, 5681.0, 5604.0, 5276.0, 5548.0, 5382.0, 5399.0, 5300.0, 5277.0, 5711.0, 5303.0, 5474.0, 5281.0, 5658.0, 5617.0, 5308.0, 5354.0, 5264.0, 5589.0, 5452.0, 5504.0, 5666.0, 5717.0, 5369.0, 5291.0, 5498.0, 5260.0, 5259.0<br>(number of hits: 4 ) |
| 23 | 5550 | 9 | 1 | 333 | 1 | 5370.0, 5543.0, 5482.0, 5613.0, 5556.0, 5346.0, 5282.0, 5296.0, 5434.0, 5417.0, 5491.0, 5292.0, 5409.0, 5525.0, 5502.0, 5318.0, 5389.0, 5632.0, 5665.0, 5608.0, 5390.0, 5412.0, 5712.0, 5359.0, 5487.0, 5478.0, 5467.0, 5449.0, 5321.0, 5307.0, 5715.0, 5357.0, 5446.0, 5580.0, 5396.0, 5267.0, 5653.0, 5704.0, 5401.0, 5658.0, 5455.0, 5554.0, 5514.0, 5486.0, 5436.0, 5305.0, 5400.0, 5331.0, 5604.0, 5583.0, 5524.0, 5544.0, 5313.0, 5601.0, 5299.0, 5646.0, 5717.0, 5542.0, 5356.0, 5633.0, 5684.0, 5503.0, 5311.0, 5660.0, 5336.0,                                                                                                                                                                                                                                                                                                                |

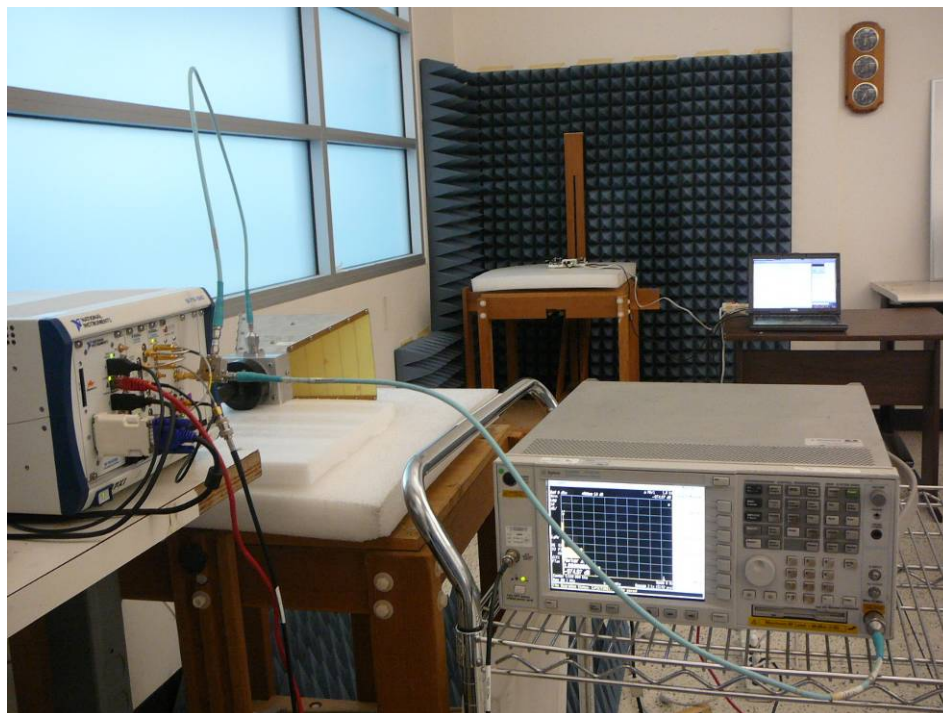
|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5591.0, 5523.0, 5272.0, 5532.0, 5329.0, 5330.0, 5643.0, 5644.0, 5394.0, 5421.0, 5315.0, 5383.0, 5264.0, 5672.0, 5392.0, 5406.0, 5452.0, 5678.0, 5645.0, 5464.0, 5501.0, 5687.0, 5630.0, 5262.0, 5325.0, 5391.0, 5334.0, 5553.0, 5638.0, 5505.0, 5657.0, 5631.0, 5477.0, 5538.0, 5669.0<br>(number of hits: 8 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 24 | 5550 | 9 | 1 | 333 | 1 | 5719.0, 5281.0, 5688.0, 5586.0, 5404.0, 5661.0, 5419.0, 5491.0, 5452.0, 5585.0, 5697.0, 5287.0, 5283.0, 5424.0, 5651.0, 5310.0, 5323.0, 5423.0, 5708.0, 5502.0, 5691.0, 5580.0, 5305.0, 5692.0, 5511.0, 5641.0, 5694.0, 5313.0, 5700.0, 5265.0, 5565.0, 5326.0, 5645.0, 5718.0, 5420.0, 5295.0, 5706.0, 5573.0, 5315.0, 5330.0, 5482.0, 5426.0, 5444.0, 5616.0, 5320.0, 5553.0, 5299.0, 5483.0, 5549.0, 5662.0, 5521.0, 5475.0, 5389.0, 5402.0, 5685.0, 5272.0, 5657.0, 5339.0, 5555.0, 5335.0, 5551.0, 5723.0, 5429.0, 5596.0, 5664.0, 5412.0, 5628.0, 5349.0, 5367.0, 5400.0, 5514.0, 5430.0, 5569.0, 5600.0, 5589.0, 5288.0, 5693.0, 5713.0, 5721.0, 5353.0, 5686.0, 5493.0, 5543.0, 5443.0, 5539.0, 5722.0, 5492.0, 5390.0, 5341.0, 5590.0, 5307.0, 5421.0, 5434.0, 5638.0, 5516.0, 5556.0, 5383.0, 5380.0, 5379.0, 5613.0<br>(number of hits: 9 ) |
| 25 | 5550 | 9 | 1 | 333 | 1 | 5496.0, 5389.0, 5373.0, 5282.0, 5681.0, 5641.0, 5441.0, 5657.0, 5709.0, 5277.0, 5482.0, 5334.0, 5685.0, 5333.0, 5472.0, 5484.0, 5648.0, 5504.0, 5701.0, 5367.0, 5525.0, 5666.0, 5393.0, 5406.0, 5585.0, 5616.0, 5450.0, 5328.0, 5578.0, 5378.0, 5252.0, 5654.0, 5502.0, 5315.0, 5696.0, 5526.0, 5573.0, 5396.0, 5318.0, 5710.0, 5361.0, 5576.0, 5311.0, 5524.0, 5481.0, 5431.0, 5570.0, 5597.0, 5687.0, 5614.0, 5427.0, 5507.0, 5553.0, 5656.0, 5566.0, 5589.0, 5366.0, 5261.0, 5678.0, 5492.0, 5537.0, 5402.0, 5670.0, 5269.0, 5595.0, 5536.0, 5503.0, 5471.0, 5517.0, 5506.0, 5626.0, 5717.0, 5500.0, 5457.0, 5368.0, 5374.0, 5661.0, 5436.0, 5346.0, 5364.0, 5439.0, 5305.0, 5708.0, 5721.0, 5551.0, 5633.0, 5405.0, 5676.0, 5702.0, 5555.0, 5623.0, 5476.0, 5392.0, 5491.0, 5625.0, 5499.0, 5637.0, 5324.0, 5268.0, 5613.0<br>(number of hits: 6 ) |
| 26 | 5550 | 9 | 1 | 333 | 1 | 5451.0, 5630.0, 5266.0, 5546.0, 5674.0, 5384.0, 5344.0, 5429.0, 5385.0, 5621.0, 5447.0, 5584.0, 5692.0, 5261.0, 5656.0, 5493.0, 5331.0, 5425.0, 5260.0, 5653.0, 5465.0, 5309.0, 5604.0, 5661.0, 5488.0, 5572.0, 5274.0, 5471.0, 5494.0, 5395.0, 5491.0, 5469.0, 5290.0, 5528.0, 5282.0, 5412.0, 5583.0, 5684.0, 5590.0, 5508.0, 5297.0, 5535.0, 5562.0, 5671.0, 5677.0, 5470.0, 5637.0, 5680.0, 5500.0, 5322.0,                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------|---|---|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5591.0, 5561.0, 5611.0, 5658.0, 5688.0, 5361.0, 5463.0, 5709.0, 5359.0, 5644.0, 5657.0, 5685.0, 5472.0, 5512.0, 5468.0, 5575.0, 5417.0, 5694.0, 5533.0, 5698.0, 5576.0, 5442.0, 5525.0, 5668.0, 5435.0, 5416.0, 5292.0, 5687.0, 5462.0, 5606.0, 5529.0, 5273.0, 5381.0, 5400.0, 5642.0, 5724.0, 5641.0, 5445.0, 5714.0, 5333.0, 5466.0, 5288.0, 5598.0, 5461.0, 5695.0, 5480.0, 5418.0, 5615.0, 5364.0, 5324.0<br>(number of hits: 5)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 27 | 5550 | 9 | 1 | 333 | 1 | 5281.0, 5709.0, 5716.0, 5351.0, 5708.0, 5473.0, 5371.0, 5278.0, 5256.0, 5559.0, 5587.0, 5690.0, 5414.0, 5251.0, 5252.0, 5255.0, 5718.0, 5673.0, 5600.0, 5366.0, 5491.0, 5309.0, 5694.0, 5464.0, 5328.0, 5612.0, 5635.0, 5424.0, 5691.0, 5693.0, 5368.0, 5466.0, 5593.0, 5330.0, 5712.0, 5550.0, 5504.0, 5615.0, 5632.0, 5664.0, 5626.0, 5578.0, 5586.0, 5327.0, 5460.0, 5315.0, 5573.0, 5469.0, 5382.0, 5636.0, 5290.0, 5319.0, 5613.0, 5344.0, 5588.0, 5623.0, 5324.0, 5568.0, 5447.0, 5332.0, 5254.0, 5518.0, 5356.0, 5562.0, 5515.0, 5451.0, 5298.0, 5478.0, 5561.0, 5609.0, 5581.0, 5270.0, 5395.0, 5551.0, 5305.0, 5440.0, 5293.0, 5357.0, 5486.0, 5516.0, 5654.0, 5261.0, 5645.0, 5345.0, 5720.0, 5413.0, 5603.0, 5584.0, 5552.0, 5453.0, 5642.0, 5625.0, 5500.0, 5501.0, 5397.0, 5264.0, 5407.0, 5525.0, 5415.0, 5323.0<br>(number of hits: 7) |
| 28 | 5550 | 9 | 1 | 333 | 1 | 5333.0, 5557.0, 5428.0, 5493.0, 5298.0, 5718.0, 5272.0, 5396.0, 5466.0, 5427.0, 5478.0, 5572.0, 5263.0, 5483.0, 5630.0, 5490.0, 5460.0, 5288.0, 5394.0, 5283.0, 5641.0, 5574.0, 5575.0, 5564.0, 5448.0, 5415.0, 5545.0, 5337.0, 5626.0, 5261.0, 5527.0, 5601.0, 5292.0, 5517.0, 5323.0, 5384.0, 5351.0, 5422.0, 5658.0, 5592.0, 5410.0, 5424.0, 5667.0, 5319.0, 5303.0, 5470.0, 5455.0, 5549.0, 5284.0, 5442.0, 5400.0, 5389.0, 5520.0, 5313.0, 5464.0, 5321.0, 5265.0, 5676.0, 5537.0, 5554.0, 5354.0, 5320.0, 5502.0, 5322.0, 5691.0, 5401.0, 5509.0, 5335.0, 5368.0, 5541.0, 5524.0, 5327.0, 5465.0, 5521.0, 5431.0, 5267.0, 5707.0, 5662.0, 5273.0, 5314.0, 5435.0, 5270.0, 5352.0, 5278.0, 5462.0, 5374.0, 5503.0, 5339.0, 5281.0, 5627.0, 5340.0, 5398.0, 5434.0, 5720.0, 5260.0, 5409.0, 5689.0, 5459.0, 5326.0, 5607.0<br>(number of hits: 7) |
| 29 | 5550 | 9 | 1 | 333 | 1 | 5281.0, 5390.0, 5589.0, 5562.0, 5584.0, 5532.0, 5627.0, 5461.0, 5460.0, 5255.0, 5413.0, 5671.0, 5337.0, 5521.0, 5303.0, 5368.0, 5307.0, 5665.0, 5646.0, 5352.0, 5338.0, 5719.0, 5535.0, 5387.0, 5484.0, 5600.0, 5708.0, 5523.0, 5594.0, 5373.0, 5482.0, 5466.0, 5383.0, 5478.0, 5444.0,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|    |      |   |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------|---|---|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |      |   |   |     |   | 5566.0, 5440.0, 5682.0, 5301.0, 5681.0, 5720.0, 5667.0, 5500.0, 5586.0, 5265.0, 5673.0, 5339.0, 5263.0, 5275.0, 5458.0, 5501.0, 5343.0, 5556.0, 5357.0, 5572.0, 5292.0, 5553.0, 5550.0, 5366.0, 5262.0, 5615.0, 5419.0, 5264.0, 5470.0, 5698.0, 5384.0, 5618.0, 5412.0, 5547.0, 5658.0, 5447.0, 5648.0, 5672.0, 5456.0, 5432.0, 5481.0, 5363.0, 5335.0, 5285.0, 5664.0, 5297.0, 5314.0, 5579.0, 5420.0, 5396.0, 5321.0, 5507.0, 5345.0, 5575.0, 5475.0, 5604.0, 5560.0, 5276.0, 5686.0, 5696.0, 5640.0, 5391.0, 5702.0, 5386.0, 5685.0<br>(number of hits: 9 )                                                                                                                                                                                                                                                                                         |
| 30 | 5550 | 9 | 1 | 333 | 1 | 5608.0, 5601.0, 5414.0, 5720.0, 5682.0, 5252.0, 5576.0, 5644.0, 5293.0, 5562.0, 5317.0, 5391.0, 5528.0, 5701.0, 5577.0, 5356.0, 5303.0, 5569.0, 5370.0, 5487.0, 5270.0, 5327.0, 5633.0, 5522.0, 5658.0, 5531.0, 5393.0, 5648.0, 5422.0, 5354.0, 5691.0, 5600.0, 5502.0, 5388.0, 5526.0, 5566.0, 5377.0, 5411.0, 5639.0, 5706.0, 5485.0, 5344.0, 5466.0, 5432.0, 5278.0, 5589.0, 5494.0, 5687.0, 5715.0, 5615.0, 5283.0, 5381.0, 5421.0, 5250.0, 5281.0, 5445.0, 5420.0, 5300.0, 5604.0, 5524.0, 5272.0, 5333.0, 5517.0, 5338.0, 5380.0, 5434.0, 5331.0, 5590.0, 5582.0, 5359.0, 5288.0, 5262.0, 5509.0, 5264.0, 5707.0, 5554.0, 5537.0, 5305.0, 5681.0, 5510.0, 5452.0, 5551.0, 5323.0, 5461.0, 5649.0, 5426.0, 5449.0, 5694.0, 5450.0, 5357.0, 5684.0, 5597.0, 5404.0, 5553.0, 5679.0, 5472.0, 5475.0, 5284.0, 5438.0, 5368.0<br>(number of hits: 8 ) |

## 7 Appendix A – Test Setup Photographs

### 7.1 DFS Test Setup View



## 8 Appendix B – EUT Photographs

### 8.1 EUT – Top View



### 8.2 EUT – Front View



### 8.3 EUT – Left Side View



### 8.4 EUT – Right Side View



## 8.5 EUT – Rear Side View



## 8.6 EUT – Bottom Side View

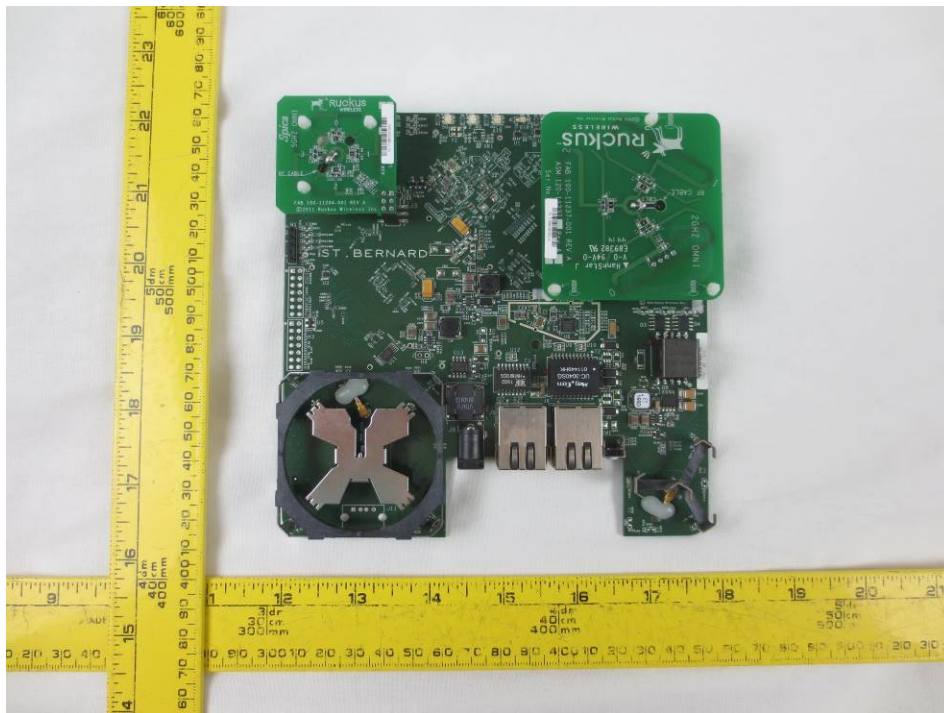




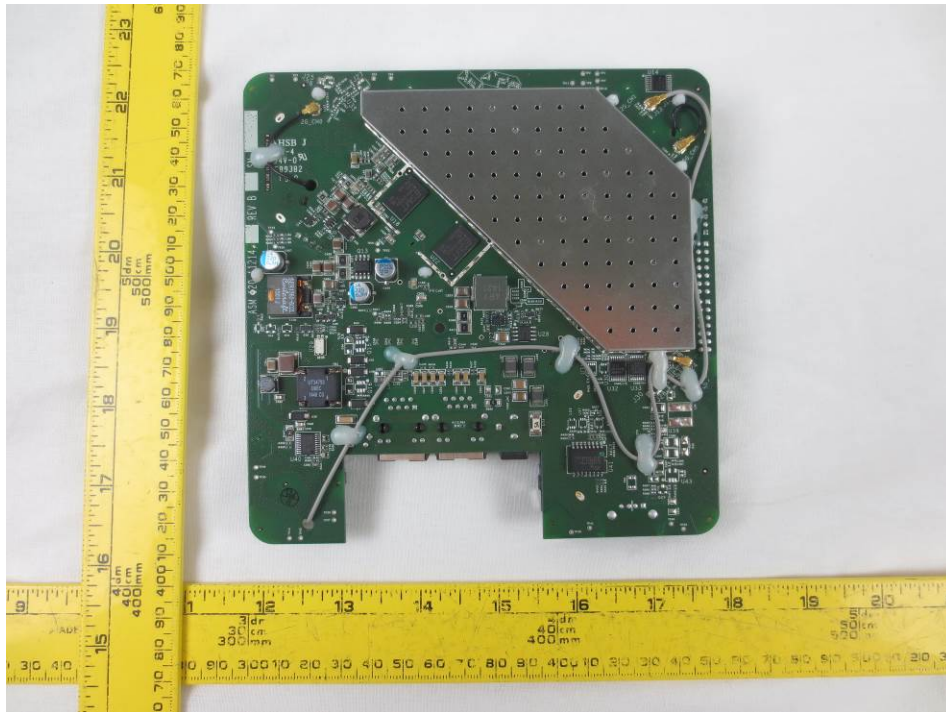
## 8.7 EUT – Open Chassis



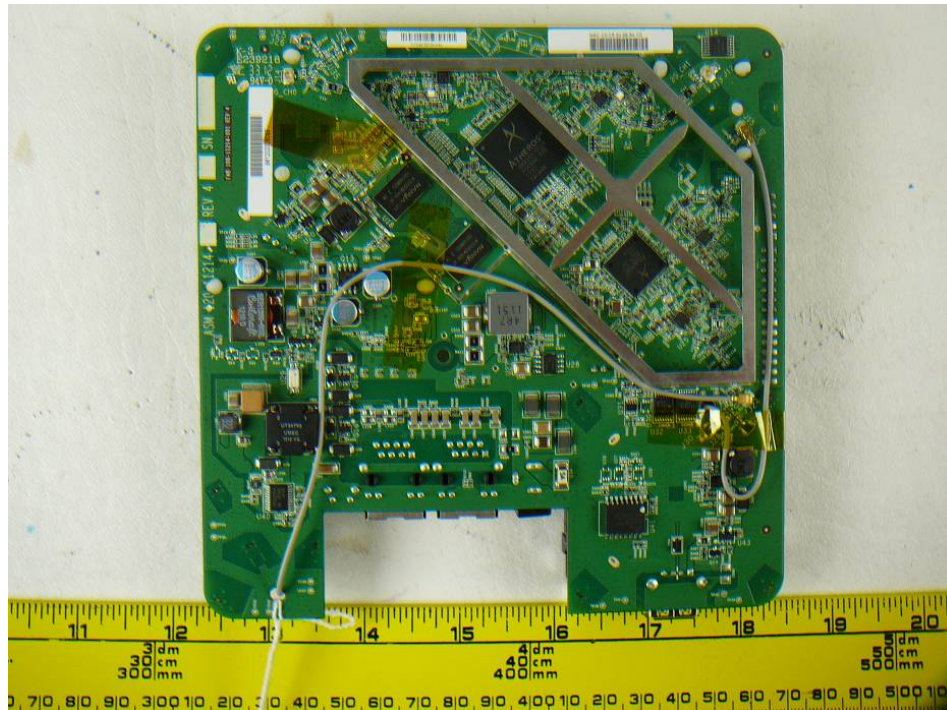
## 8.8 EUT – Motherboard Component Top View



## 8.9 EUT – Motherboard Solder Bottom View with Shield



## 8.10 EUT – Motherboard Solder Bottom View without Shield





### 8.11 EUT – AC/DC Adapter



### 8.12 EUT – POE and Adapter View



--- END OF REPORT ---