

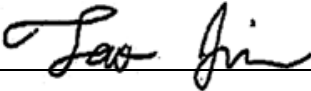



FCC PART 15.407
ISED RSS-247 ISSUE 2
LP0002-2020
DYNAMIC FREQUENCY SELECTION
TEST REPORT

For
Cisco Systems Inc.

FCC: 125 West Tasman Drive
San Jose, CA 95134-1706
IC: 170 W. Tasman Drive, Building P & 7
San Jose, CA 95134, United States of America (Excluding The States of Alaska)

FCC ID: LDKIW9167EH
IC: 2461A-IW9167EH

| | |
|--|--|
| Report Type: Original Report | Product Type: Access Point |
| Prepared By Tao Jin Test Engineer |  |
| Report Number R2212126 Rev C | |
| Report Date 2023-03-21 | |
| Reviewed By Simon Ma RF Supervisor |  |
| Bay Area Compliance Laboratories Corp. 1274 Anvilwood Ave Sunnyvale, CA 94089, USA Tel: (408) 732-9162, Fax: (408) 732 9164 | |



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 "*" (Rev.3)

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DOCUMENT REVISION HISTORY

| Revision Number | Report Number | Description of Revision | Date of Revision |
|------------------------|----------------------|---|-------------------------|
| 0 | R2212126 | Original Report | 2023-01-23 |
| 1 | R2212126 Rev A | Updating Applicant's address on the cover page. | 2023-02-02 |
| 2 | R2212126 Rev B | Adding LP0002-2020 Standard for Taiwan | 2023-02-25 |
| 3 | R2212126 Rev C | Adding test data for client mode | 2023-03-21 |

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test report was prepared on behalf of *Cisco Systems Inc.*, and their product *FCC ID: LDKIW9167EH, IC: 2461A-IW9167EH*, Model: IW9167EH-B (FCC) and IW9167EH-A (ISED) as referred to as EUT in this report. The product is a 4x4 Access Point, which has two radios: Pine and Iron. Pine supports up to 160 MHz channel bandwidth configurations, and Iron supports up to 80 MHz channel bandwidth configurations. Both radio supports operation in access point (AP) mode, point to point (P2P) mode, point to multipoint (P2MP) mode, and Client with radar detection mode. The device doesn't support 802.11ax channel puncturing or "zero-wait DFS".

IW9167EH-A - Industrial Wireless 9167 AP - A domain (Hardware PID)
 IW9167EH-A-AP - Wi-Fi mode
 IW9167EH-A-URWB - URWB mode

IW9167EH-B - Industrial Wireless 9167 AP - B domain (Hardware PID)
 IW9167EH-B-AP - Wi-Fi mode
 IW9167EH-B-URWB - URWB mode

IW9167EH-ROW - Industrial Wireless 9167 AP - ROW domain (Hardware PID)
 IW9167EH-ROW-AP - Wi-Fi mode
 IW9167EH-ROW-URWB - URWB mode

1.2 Mechanical Description of EUT

| Length (cm) | Width (cm) | Height (cm) | Weight (kg) | S/N |
|----------------|---------------|----------------|----------------|-------------|
| 28.7 | 26.7 | 7.1 | 4.2 | KWC26410ZYR |

1.3 Objective

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

The objective was to determine compliance with FCC, ISED, and NCC rules for DFS Detection Threshold, Channel Availability Check Time, Uniform Spreading U-NII Detection Bandwidth, Channel Closing Transmission Time, and Channel Move time in AP, P2P, and P2MP modes.

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h), RSS-247 Issue 2, NCC LP0002-2020

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

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

1.6 Test Facility Registrations

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

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

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

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

1.7 Test Facility Accreditations

Bay Area Compliance Laboratories Corp. (BACL) is:

A- An independent, 3rd-Party, Commercial Test Laboratory accredited to ISO/IEC 17025:2017 by A2LA (Test Laboratory Accreditation Certificate Number 3297.02), in the fields of: Electromagnetic Compatibility and Telecommunications. Unless noted by an Asterisk (*) in the Compliance Matrix (See Section 3 of this Test Report), BACL's ISO/IEC 17025:2017 Scope of Accreditation includes all of the Test Method Standards and/or the Product Family Standards detailed in this Test Report..

BACL's ISO/IEC 17025:2017 Scope of Accreditation includes a comprehensive suite of EMC Emissions, EMC Immunity, Radio, RF Exposure, Safety and wireline Telecommunications test methods applicable to a wide range of product categories. These product categories include Central Office Telecommunications Equipment [including NEBS - Network Equipment Building Systems], Unlicensed and Licensed Wireless and RF devices, Information Technology Equipment (ITE); Telecommunications Terminal Equipment (TTE); Medical Electrical Equipment; Industrial, Scientific and Medical Test Equipment; Professional Audio and Video Equipment; Industrial and Scientific Instruments and Laboratory Apparatus; Cable Distribution Systems, and Energy Efficient Lighting.

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

- For the USA (Federal Communications Commission):

- 1- All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
- 2- All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
- 3- All Telephone Terminal Equipment within FCC Scope C.

- For the Canada (Industry Canada):

- 1 All Scope 1-Licence-Exempt Radio Frequency Devices;
- 2 All Scope 2-Licensed Personal Mobile Radio Services;
- 3 All Scope 3-Licensed General Mobile & Fixed Radio Services;
- 4 All Scope 4-Licensed Maritime & Aviation Radio Services;
- 5 All Scope 5-Licensed Fixed Microwave Radio Services
- 6 All Broadcasting Technical Standards (BETS) in the Category I Equipment Standards List.

- For Singapore (Info-Communications Development Authority (IDA)):

- 1 All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2
2. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2

- For the Hong Kong Special Administrative Region:

- 1 All Radio Equipment, per KHCA 10XX-series Specifications;
- 2 All GMDSS Marine Radio Equipment, per HKCA 12XX-series Specifications;
- 3 All Fixed Network Equipment, per HKCA 20XX-series Specifications.

- For Japan:

- 1 MIC Telecommunication Business Law (Terminal Equipment):
 - All Scope A1 - Terminal Equipment for the Purpose of Calls;
 - All Scope A2 - Other Terminal Equipment
- 2 Radio Law (Radio Equipment):
 - All Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
 - All Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
 - All Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

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

- 1 Electronics and Office Equipment:
 - for Telephony (ver. 3.0)
 - for Audio/Video (ver. 3.0)
 - for Battery Charging Systems (ver. 1.1)
 - for Set-top Boxes & Cable Boxes (ver. 4.1)
 - for Televisions (ver. 6.1)
 - for Computers (ver. 6.0)
 - for Displays (ver. 6.0)
 - for Imaging Equipment (ver. 2.0)
 - for Computer Servers (ver. 2.0)
- 2 Commercial Food Service Equipment
 - for Commercial Dishwashers (ver. 2.0)
 - for Commercial Ice Machines (ver. 2.0)
 - for Commercial Ovens (ver. 2.1)
 - for Commercial Refrigerators and Freezers
- 3 Lighting Products
 - For Decorative Light Strings (ver. 1.5)
 - For Luminaires (including sub-components) and Lamps (ver. 1.2)
 - For Compact Fluorescent Lamps (CFLs) (ver. 4.3)
 - For Integral LED Lamps (ver. 1.4)
- 4 Heating, Ventilation, and AC Products
 - for Residential Ceiling Fans (ver. 3.0)
 - for Residential Ventilating Fans (ver. 3.2)
- 5 Other
 - For Water Coolers (ver. 3.0)

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

- Australia: ACMA (Australian Communication and Media Authority) – APEC Tel MRA -Phase I;
- Canada: (Innovation, Science and Economic development Canada - ISED) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
 - o BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;
 - o NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:

- EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)
- Radio Equipment (RE) Directive 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)
- Low Voltage Directive (LVD) 2014/35/EU
- Hong Kong Special Administrative Region: (Office of the Telecommunications Authority – OFTA)
APEC Tel MRA -Phase I & Phase II
- Israel – US-Israel MRA Phase I
- Republic of Korea (Ministry of Communications - Radio Research Laboratory) APEC Tel MRA -Phase I
- Singapore: (Infocomm Media Development Authority - IMDA) APEC Tel MRA -Phase I & Phase II;
- Japan: VCCI - Voluntary Control Council for Interference US-Japan Telecom Treaty VCCI Side Letter-
- USA:
 - ENERGY STAR Recognized Test Laboratory – US EPA
 - Telecommunications Certification Body (TCB) – US FCC;
 - Nationally Recognized Test Laboratory (NRTL) – US OSHA
- Vietnam: APEC Tel MRA -Phase I;

2 EUT Test Configuration

2.1 Justification

The EUT was configured for testing according to FCC Part 15.407(h), RSS-247 Issue 2, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

2.2 EUT Exercise Software

The test used TeraTerm and test commands, provided by *Cisco Systems Inc.*, the software is compliant with the standard requirements being tested against.

The device includes 2 different firmware images:

AP mode using WNBU image
P2P and P2MP using CURUWB image

The EUT firmware version:

WNBU Image: ap1g6a-k9w8-tar.202211202130
CURUWB Image: ap1g6j-k9c1-tar.202212282251

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|----------------|-----------------|
| Dell | Laptop RF1 | Latitude E7440 | C71SYZ1 |
| ASUS | Laptop | FX504G | J6NRCX037440249 |

2.5 Remote Support Equipment

| Manufacturer | Description | Model | Serial Number |
|---------------|----------------|---------------------------|---------------|
| Lenovo | Laptop | T490 | PF-274C83 |
| Cisco | Access Point | IW9167EH-A, IW9167EH-B | KWC26410ZZ9 |
| Mini-Circuits | Power Splitter | ZN4PD1-63-S+ | S UU71701639 |

2.6 Interface Ports and Cables

| Cable Description | Length | To | From |
|--------------------------|---------------|----------------|----------------|
| Ethernet cable | 2 m | PoE | EUT |
| Ethernet cable | 2 m | EUT | Laptop |
| Serial Port cable | 2 m | EUT | Laptop |
| Ethernet cable | 2 m | PoE | Support Device |
| Ethernet cable | 2 m | Support Device | Laptop |
| Serial Port cable | 2 m | Support Device | Laptop |

3 Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h), RSS-247 Issue 2, NCC LP0002-2020, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

Disclaimer: *BACL is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report. Information provided by the customer, e.g., antenna gain, can affect the validity of results.*

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h), RSS-247 Issue 2, NCC LP0002-2020, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

| Maximum Transmit Power | Value (See Notes 1, 2 and 3) |
|--|------------------------------|
| EIRP \geq 200 milliwatt | -64 dBm |
| EIRP $<$ 200 milliwatt and power spectral density $<$ 10dBm/MHz | -62 dBm |
| EIRP $<$ 200 milliwatt that do not meet the power spectral density requirement | -64 dBm |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 4: DFS Response Requirement Values

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

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

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

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

Table 5: Short Pulse Radar Test Waveforms

| Radar Type | Pulse Width (Microseconds) | PRI (Microseconds) | Pulses | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|---|----------------------------|--|---|--|--------------------------|
| 0 | 1 | 1428 | 18 | See Note 1 | See Note 1 |
| 1 | 1 | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A | $\text{Roundup} \left\{ \begin{array}{l} \left(\frac{1}{360} \right) \\ \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \end{array} \right.$ | 60% | 30 |
| 2 | 1-5 | 150-230 | 23-29 | 60% | 30 |
| 3 | 6-10 | 200-500 | 16-18 | 60% | 30 |
| 4 | 11-20 | 200-500 | 12-16 | 60% | 30 |
| Aggregate (Radar Types 1-4) | | | | 80% | 120 |
| Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. | | | | | |

Table 6: Long Pulse Radar Test Signal

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

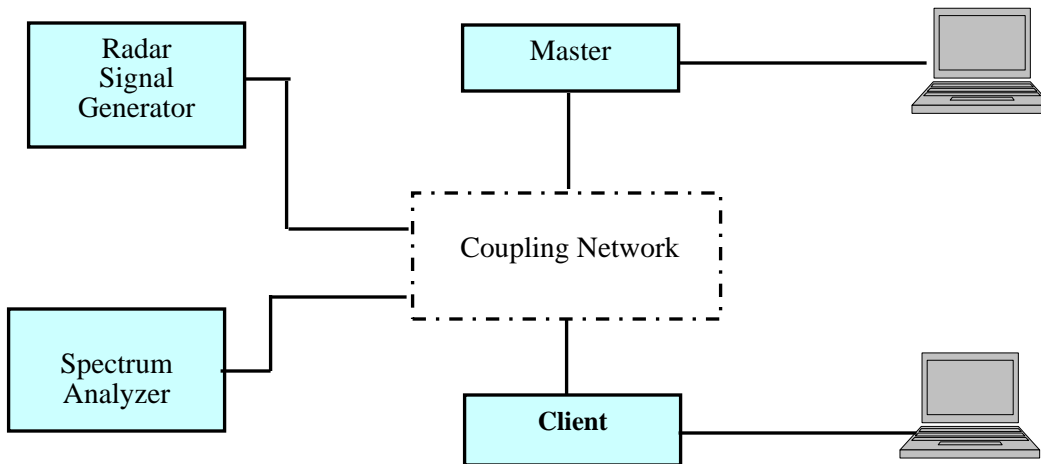
Table 7: Frequency Hopping Radar Test Signal

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

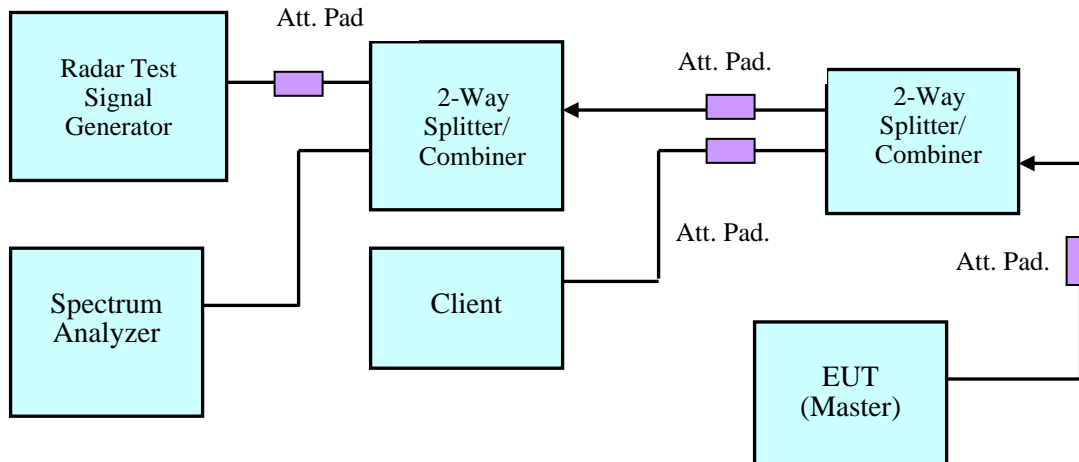
4.2 DFS Measurement System

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

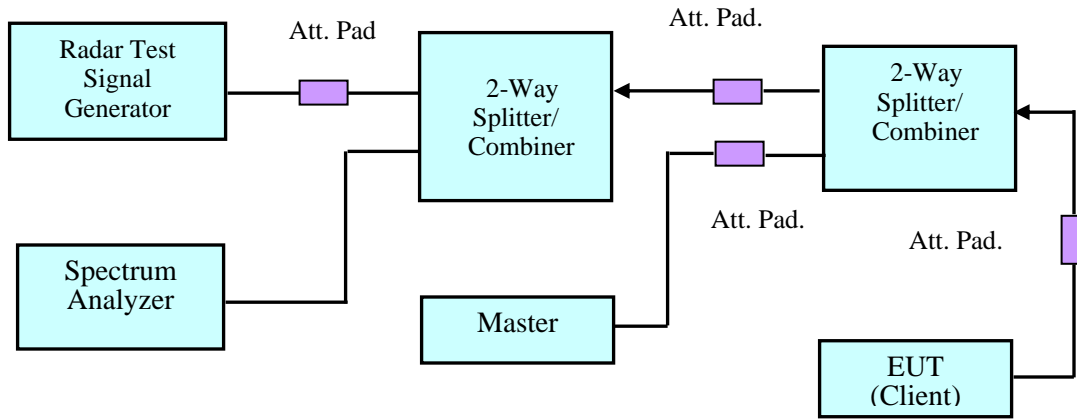
4.3 System Block Diagram



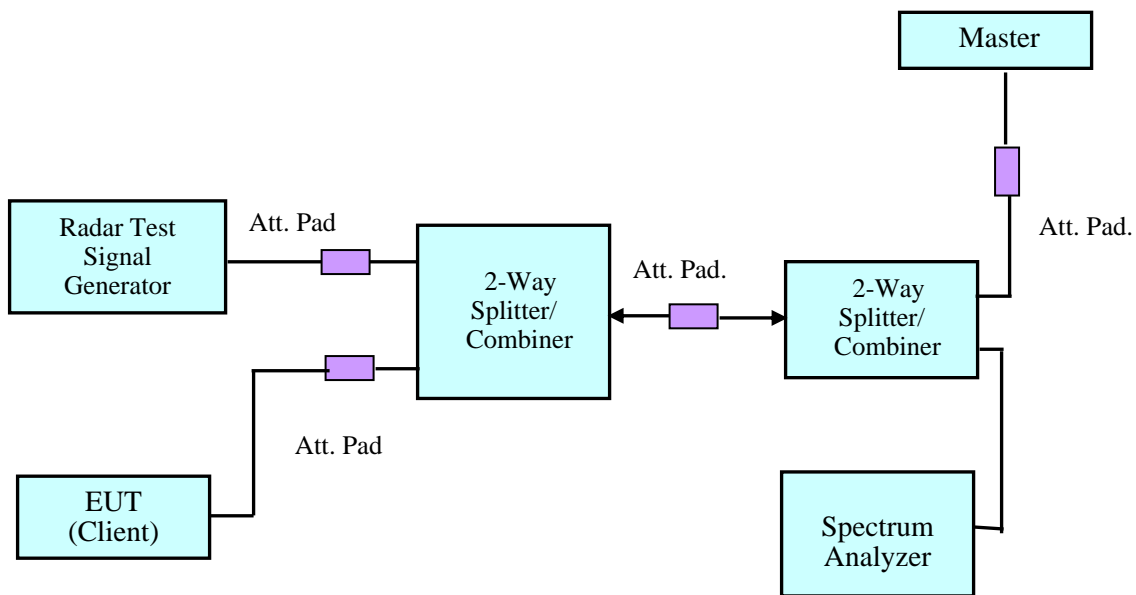
4.4 Conducted Method



Setup for Conducted Method for Master Mode (AP, P2P, and P2MP)



Setup for Conducted Method for Client Mode (P2MP), client device is the RDD



Setup for Conducted Method for Client Mode (P2MP), master device is the RDD

4.5 Test Procedure

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

5 Test Results

5.1 Description of EUT

The EUT operates in 5250-5350 MHz and 5470-5725 MHz range in each one of the four Operational Modes (AP, P2P, P2MP Master, and P2MP Client) for both radios (Iron and Pine).

For Iron Radio, in all four operating modes, EUT is configured to channel 100 for testing in 20 MHz bandwidth mode, configured to channel 102 for testing in 40 MHz bandwidth mode, and configured to channel 106 for testing in 80 MHz bandwidth mode.

For Pine Radio, in all four operating modes, EUT is configured to channel 100 for testing in 20 MHz bandwidth mode, configured to channel 102 for testing in 40 MHz bandwidth mode, configured to channel 106 for testing in 80 MHz bandwidth mode, configured to channel 114 for testing in 160 MHz bandwidth mode.

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

Adding the provided 3 dBi antenna gain for AP, P2MP and Client modes, and 10dBi antenna gain for P2P mode, the calibrated conducted DFS detection threshold level is set to -61 dBm for AP and P2MP modes, and is set to -54 dBm for P2P mode. Please refer to the detailed antenna information in the next section.

WLAN traffic is generated by running iperf3.

5.2 Antenna Description

| Antenna Type | Supplier | Antenna Part No. | Frequency (MHz) | Peak Antenna Gain (dBi) |
|-----------------|-------------|------------------|-----------------|-------------------------|
| Horn | RF Elements | HG3-CC-S90 | 5180-6400 | 10 |
| Omnidirectional | MP Antenna | 08-ANT-0985 | 4900-6000 | 3 |

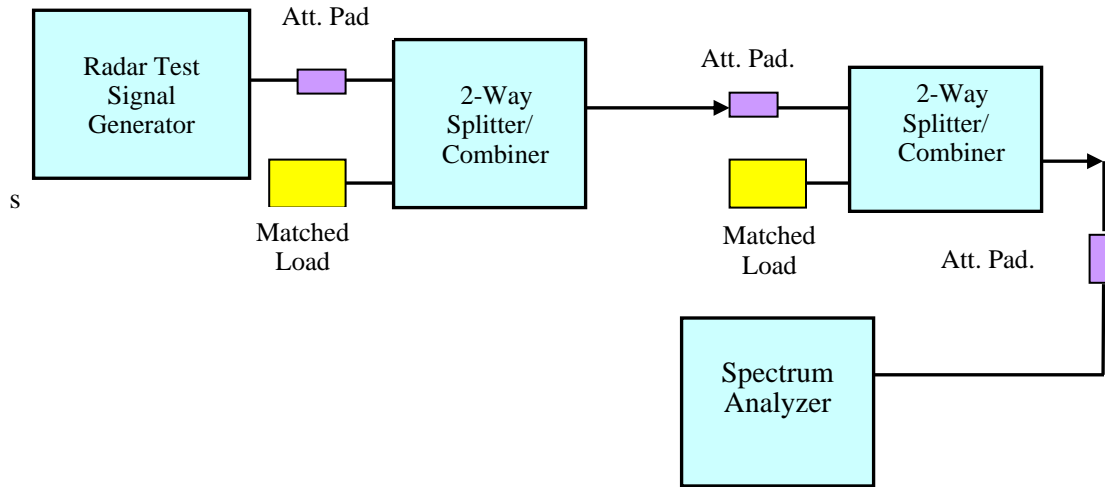
5.3 Test Equipment List and Details

| BACL No. | Manufacturer | Equipment Description | Model | S/N | Calibration Date | Calibration Interval |
|----------|----------------------|------------------------------|--------------|------------------------|------------------|----------------------|
| 547 | National Instruments | NI PXI-1042 8-Slot chassis | PXI-1042 | V08X01EE1 | N/A | N/A |
| 547 | National Instruments | Arbitrary Waveform Generator | PXI-5421 | N/A | N/A | N/A |
| 547 | National Instruments | RF Upconverter | PXI-5610 | N/A | N/A | N/A |
| 547 | ASCOR | Upconverter | AS-7206 | N/A | N/A | N/A |
| 624 | Agilent | Analyzer, Spectrum | E4446A | MY48250238 | 2022-08-01 | 1 year |
| 287 | HP | Analyzer, Spectrum | E4446A | US44300386 | 2022-05-05 | 1 year |
| 655 | Rohde & Schwarz | Signal Analyzer | FSQ26 | 200749 | 2022-02-07 | 2 years |
| 912 | Rhode & Schwarz | Signal Analyzer | FSV40 | 1321.3008k39-101203-UW | 2022-05-05 | 1 year |
| 424 | Agilent | Analyzer, Spectrum | E4440A | US45303156 | 2022-12-19 | 1 year |
| - | Mini-Circuits | Power Splitter | ZN4PD1-63-S+ | S F263501223 | N/A | N/A |
| - | Mini-Circuits | Power Splitter | ZN2PD-9G-S+ | S F038700723 | N/A | N/A |
| - | Mini-Circuits | Power Splitter | ZFSC-2-10G | 0 0349 | N/A | N/A |
| - | - | Attenuator | - | - | Each Time | Each Time |
| - | - | RF Cable | - | - | Each Time | Each Time |

Note¹: cable and attenuator included in the test set-up will be checked each time before testing.

Statement of Traceability: BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to NIST or to another internationally recognized National Metrology Institute (NMI), and were compliant with the latest version of A2LA policy P102 "A2LA Policy on Metrological Traceability".

5.4 Radar Waveform Calibration



Conducted Calibration Setup Block Diagram

5.5 Test Environmental Conditions

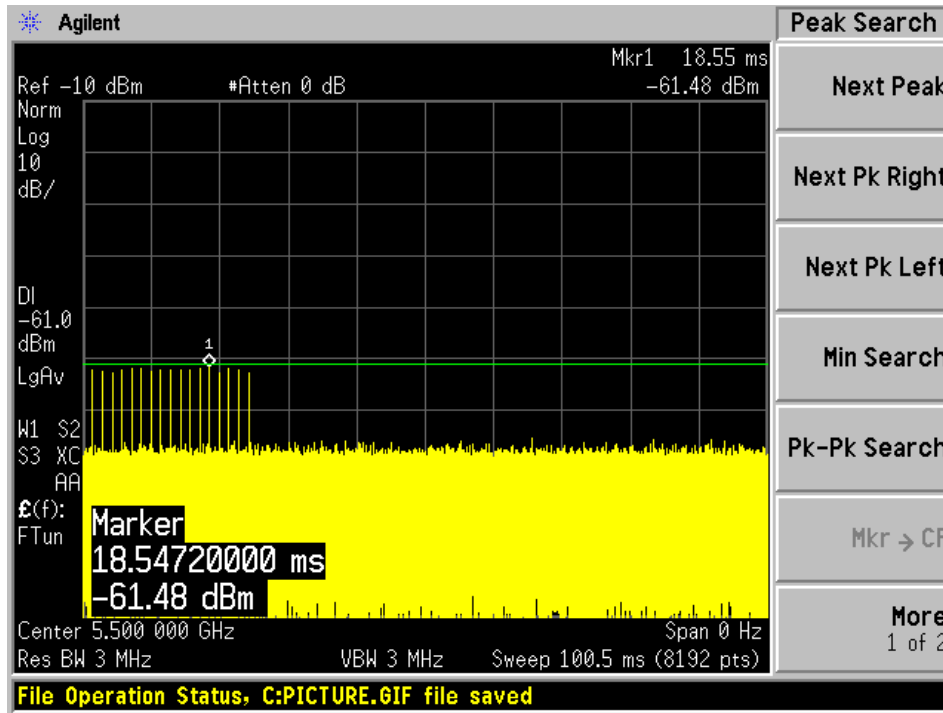
| | |
|---------------------------|-----------------|
| Temperature: | 20-22° C |
| Relative Humidity: | 36-43 % |
| ATM Pressure: | 101.0-101.9 kPa |

Testing was performed by Tao Jin on 2022-12-14 to 2023-1-16 at the DFS testing site.

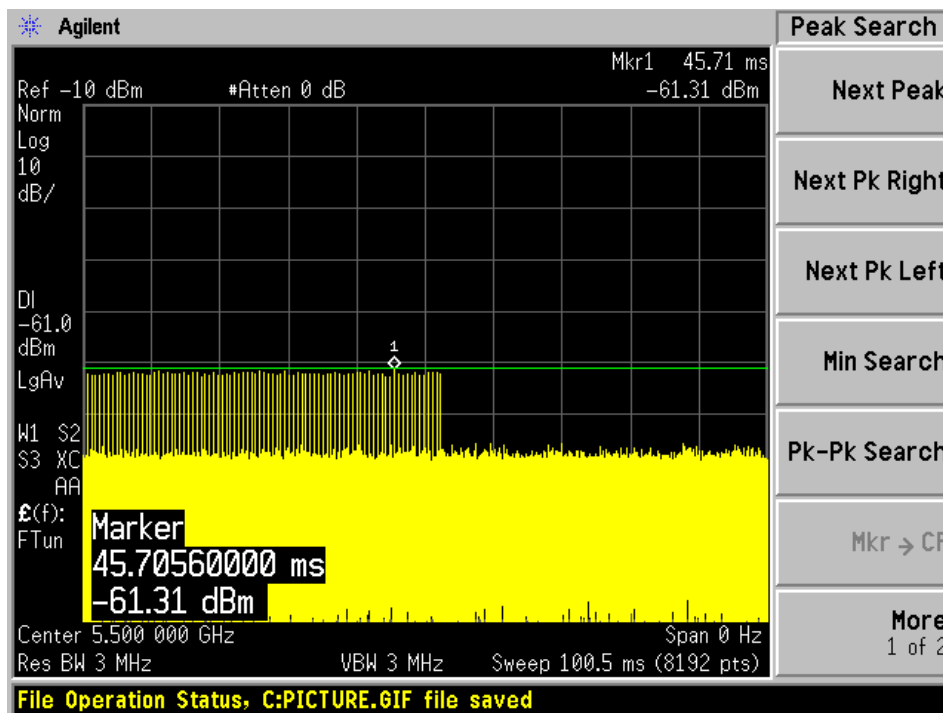
Plots of Radar Waveform

**AP, P2MP Master, and P2MP Client modes
5500 MHz, 20 MHz Channel Bandwidth**

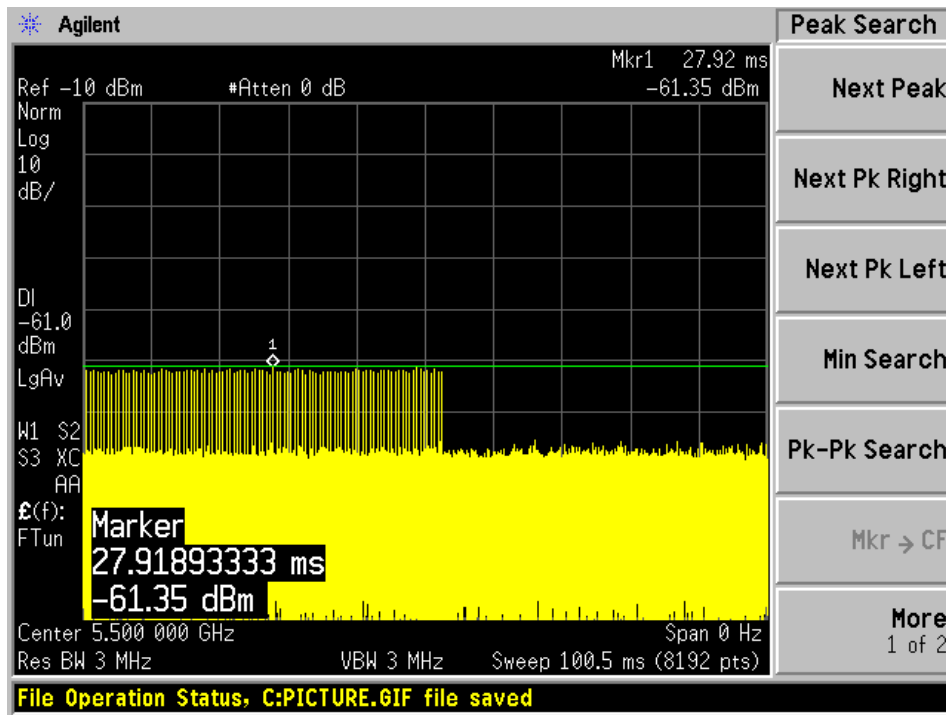
Radar Type 0



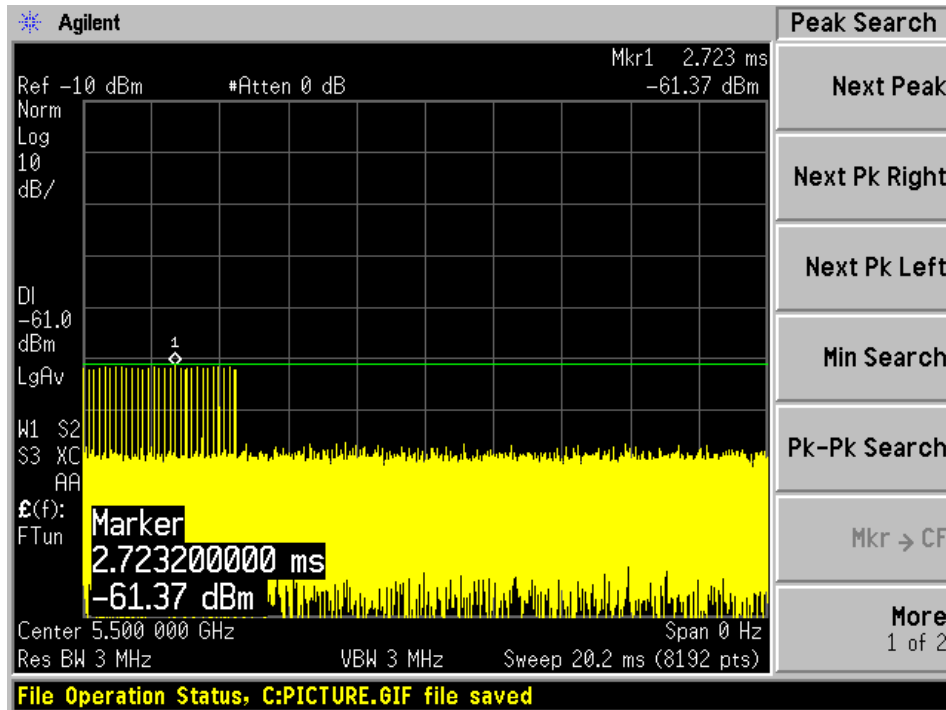
Radar Type 1A



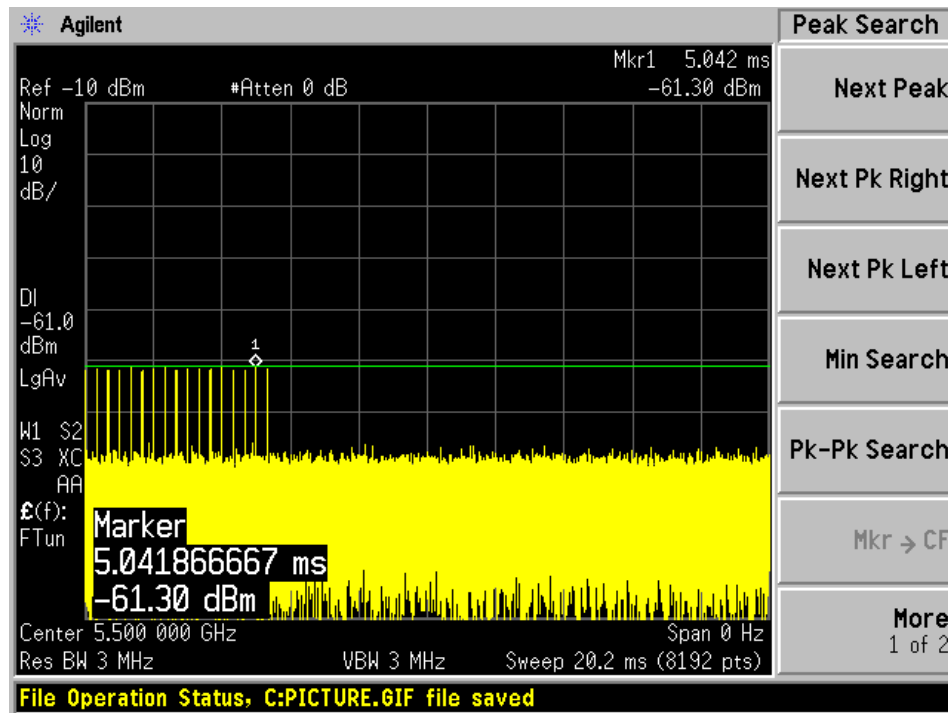
Radar Type 1B



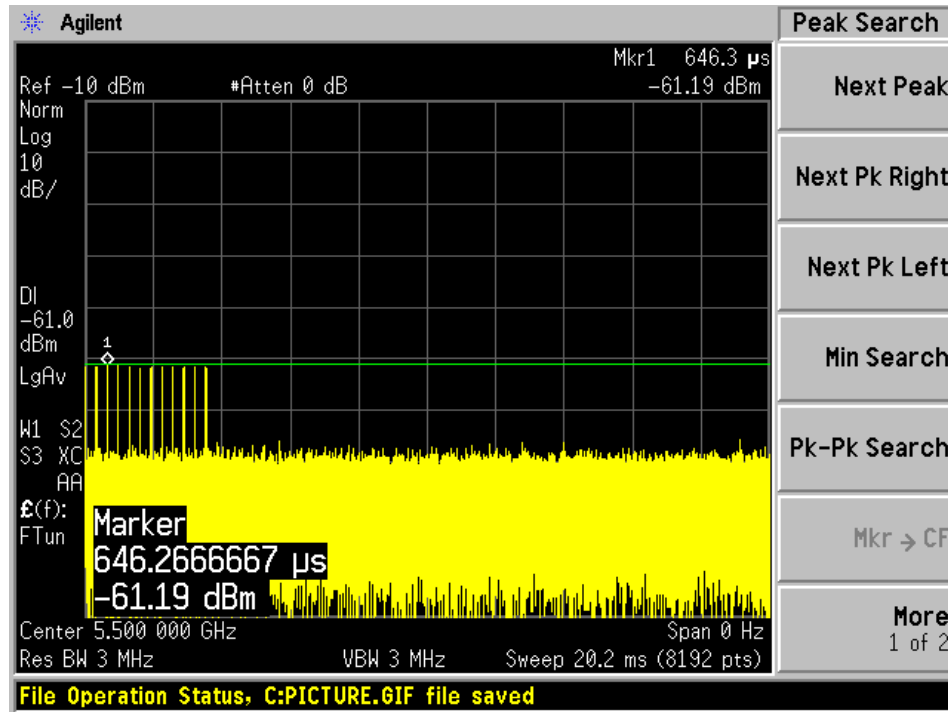
Radar Type 2



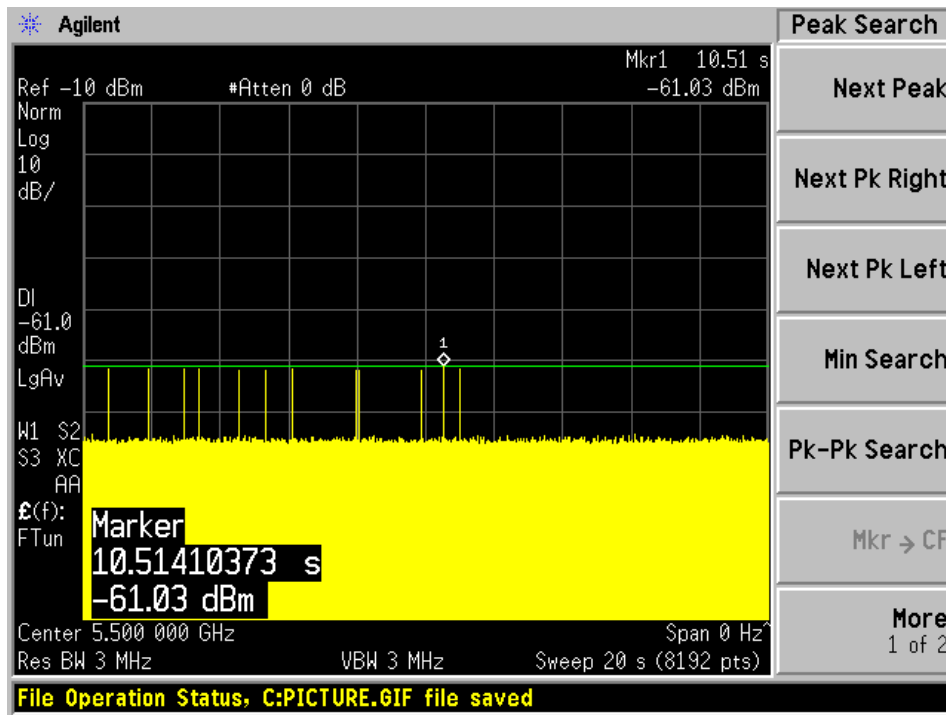
Radar Type 3



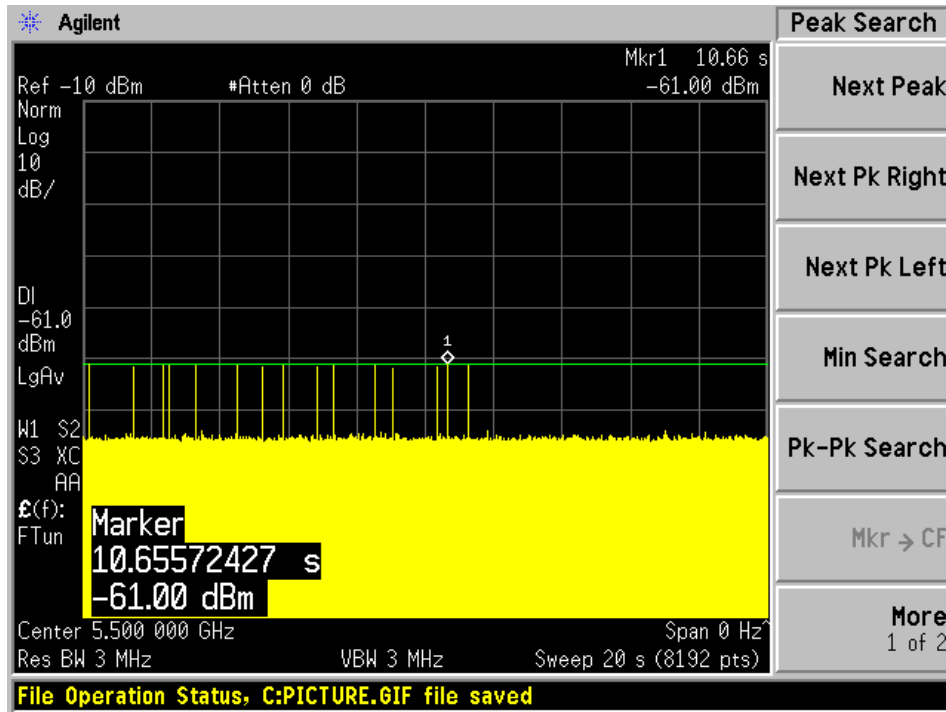
Radar Type 4



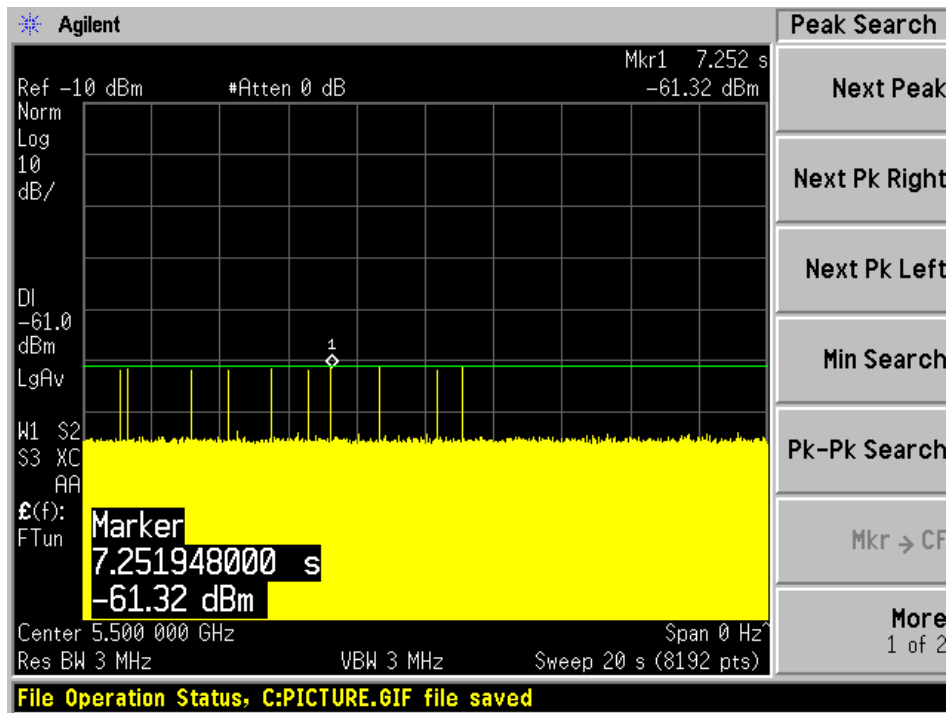
Radar Type 5 Case 1



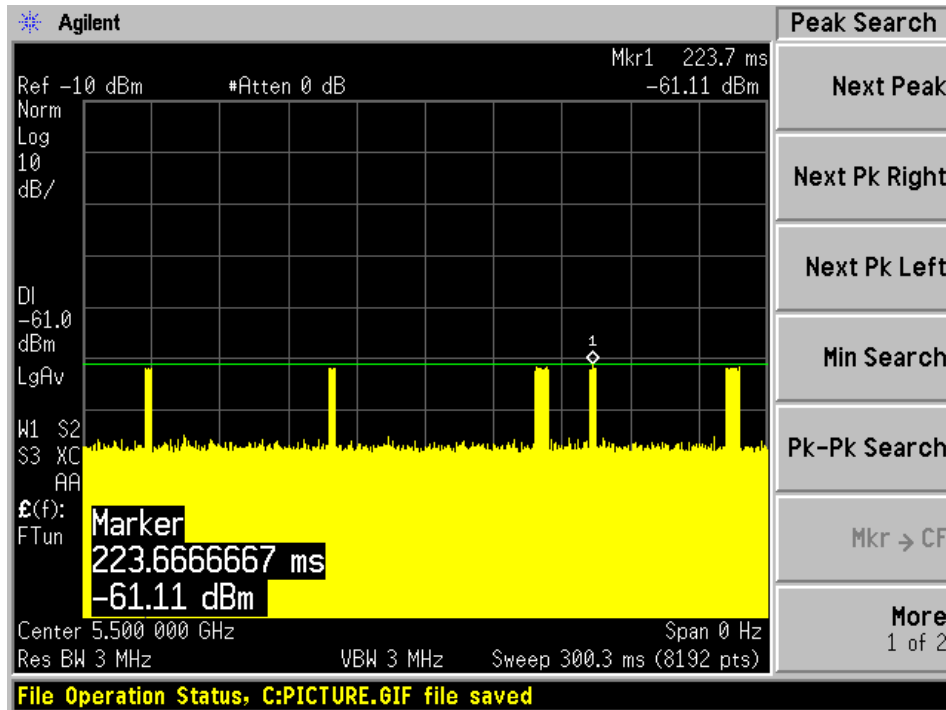
Radar Type 5 Case 2



Radar Type 5 Case 3

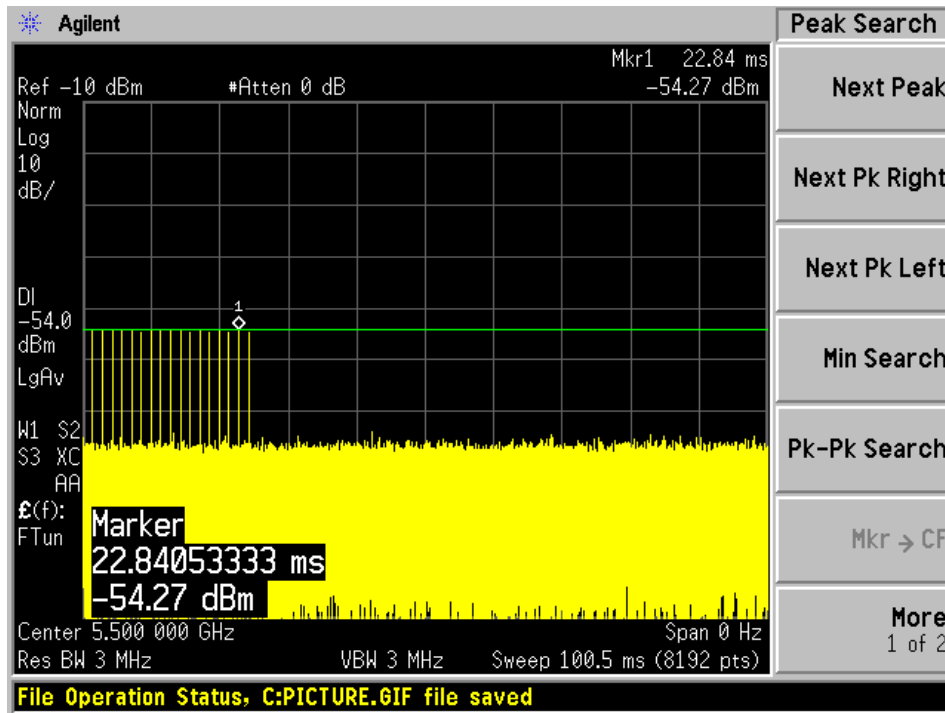


Radar Type 6

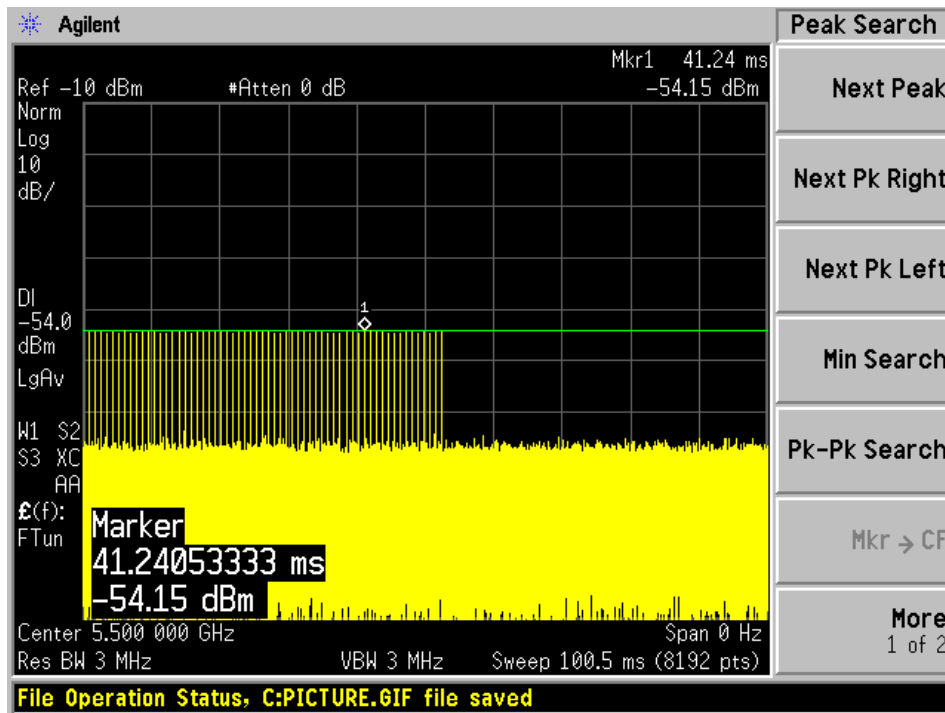


P2P Mode
5500 MHz, 20MHz Channel Bandwidth

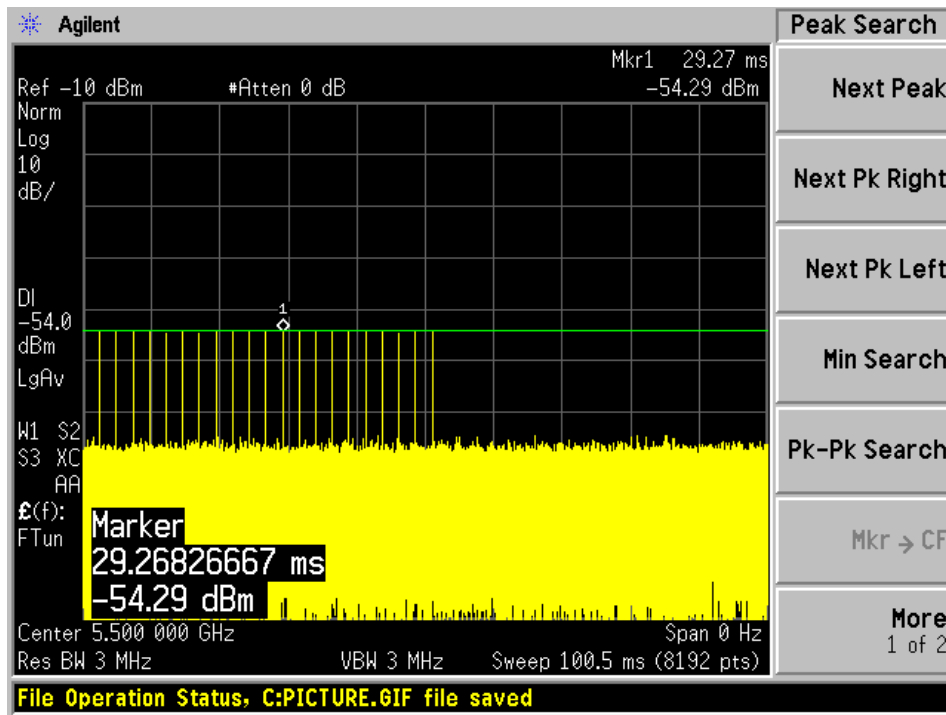
Radar Type 0



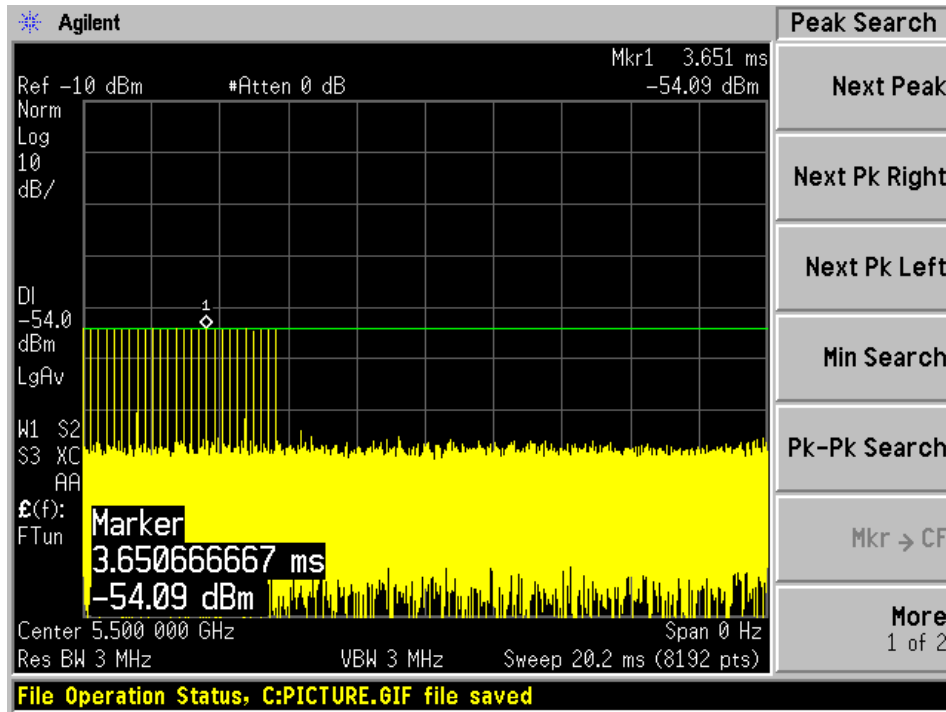
Radar Type 1A



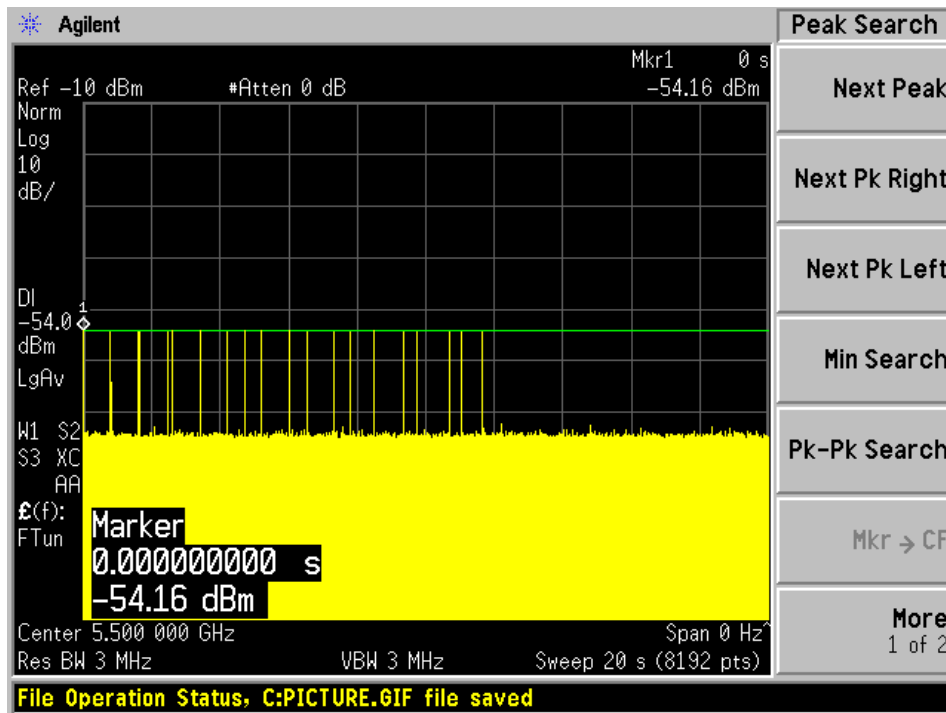
Radar Type 1B



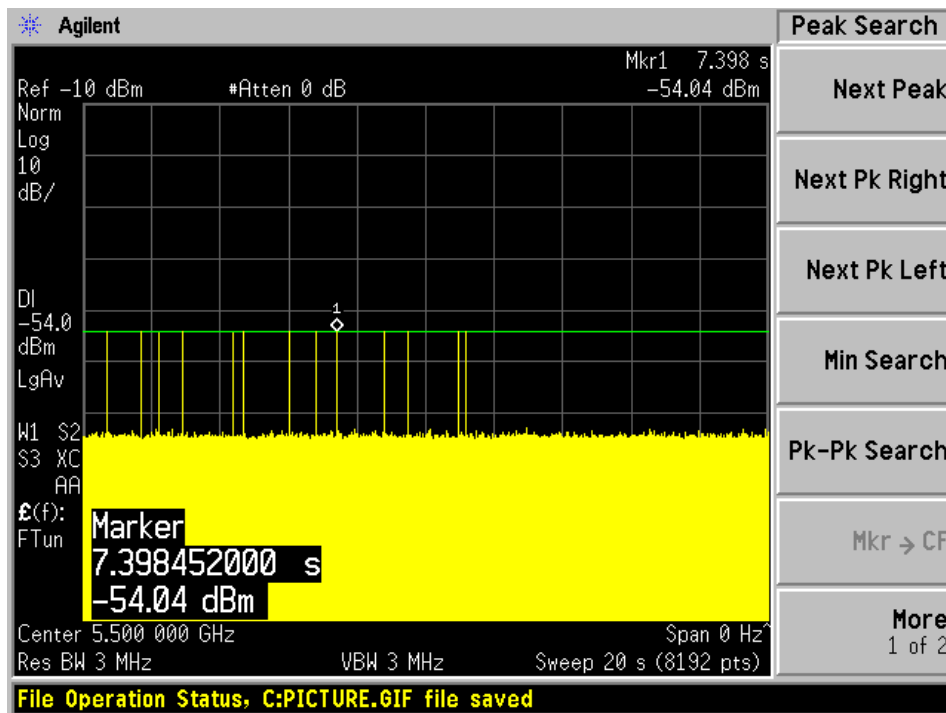
Radar Type 2



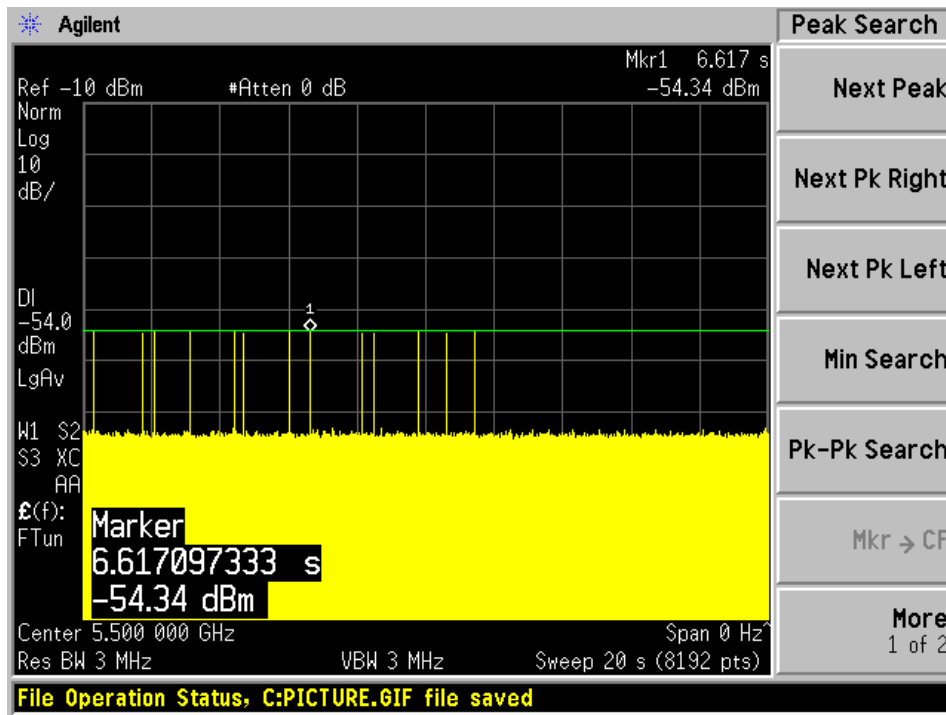
Radar Type 5 Case 1



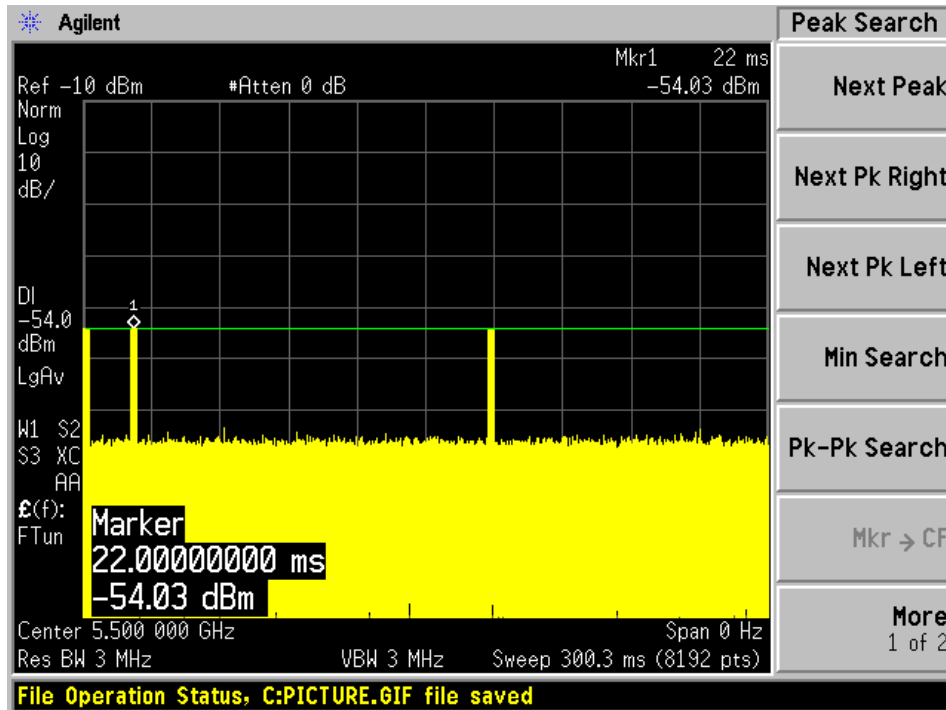
Radar Type 5 Case 2



Radar Type 5 Case 3



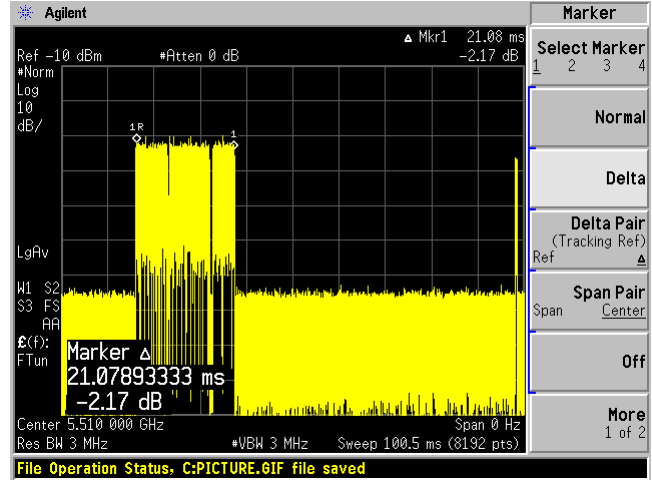
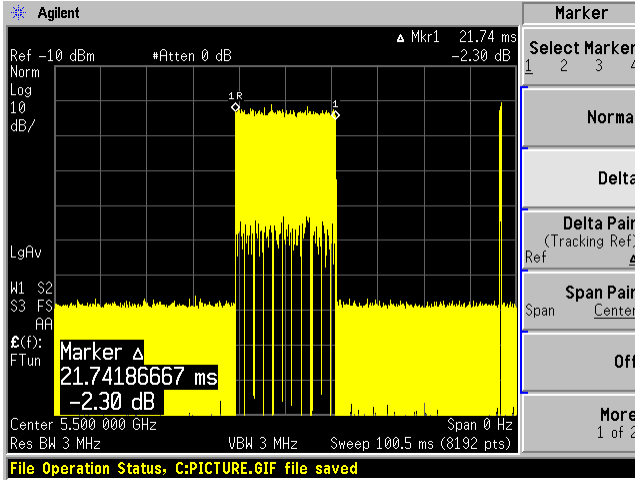
Radar Type 6



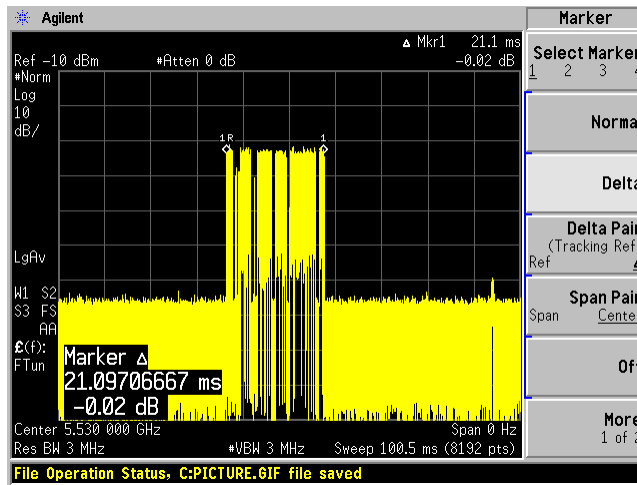
5.6 Radar Traffic Duty Cycle Example

AP Mode Iron Radio

5500 MHz, 20MHz Bandwidth ----- 5510 MHz, 40MHz Bandwidth



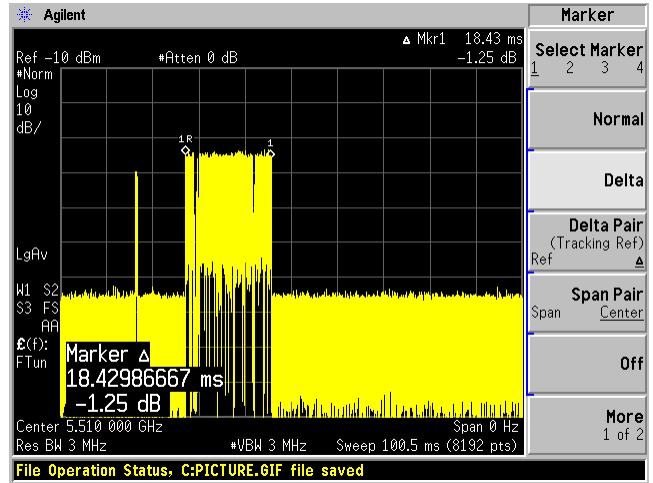
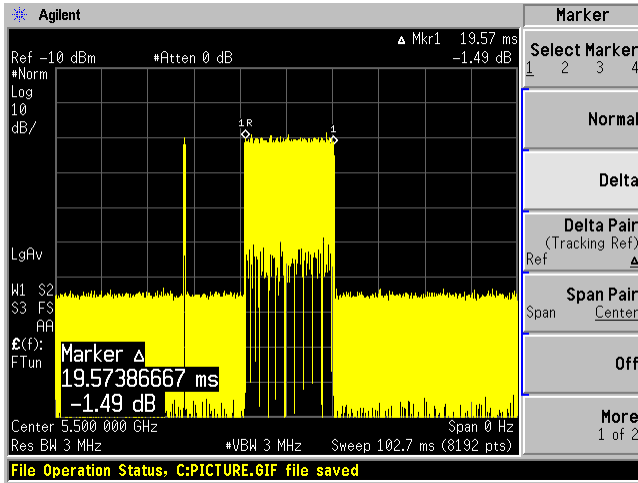
5530 MHz, 80MHz Bandwidth



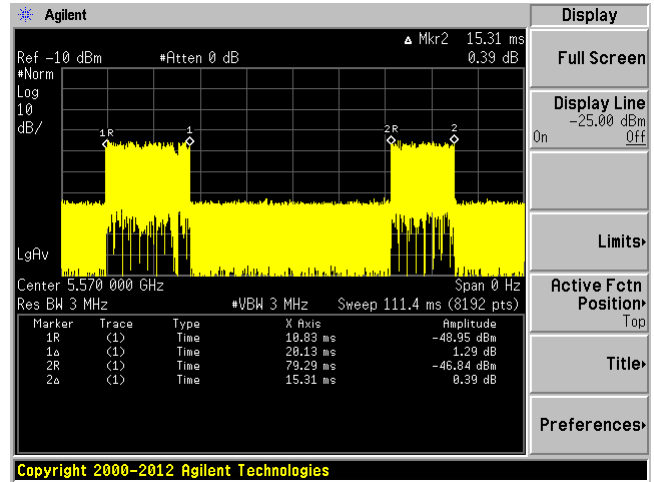
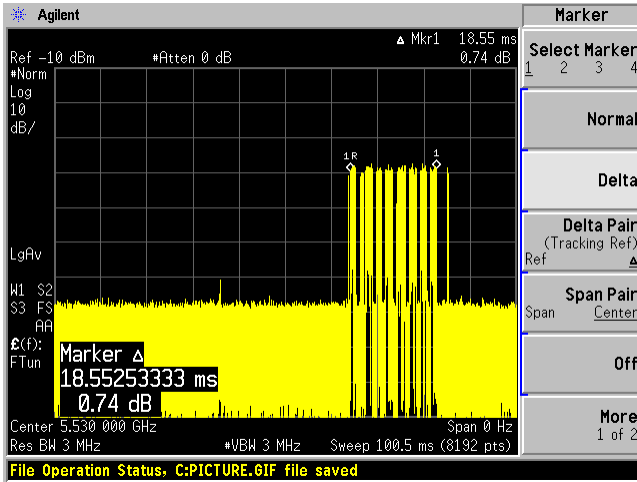
The Duty Cycle of the traffic was greater than 17%

Pine Radio

5500 MHz, 20MHz Bandwidth ----- 5510 MHz, 40MHz Bandwidth



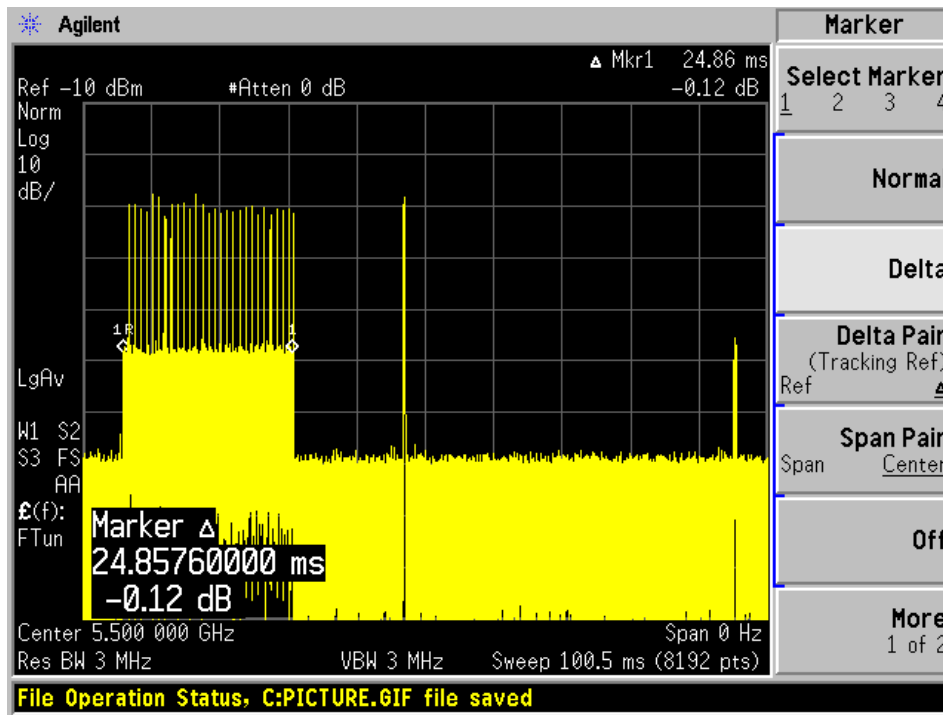
5530 MHz, 80MHz Bandwidth ----- 5570 MHz, 160MHz Bandwidth



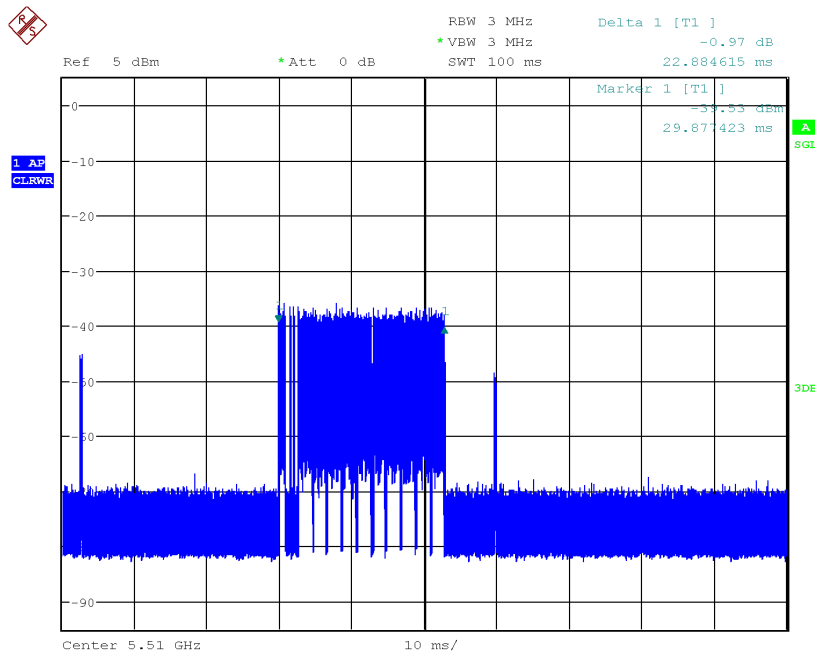
The Duty Cycle of the traffic is greater than 17%

P2P Master Mode Iron Radio

5500 MHz, 20MHz Bandwidth

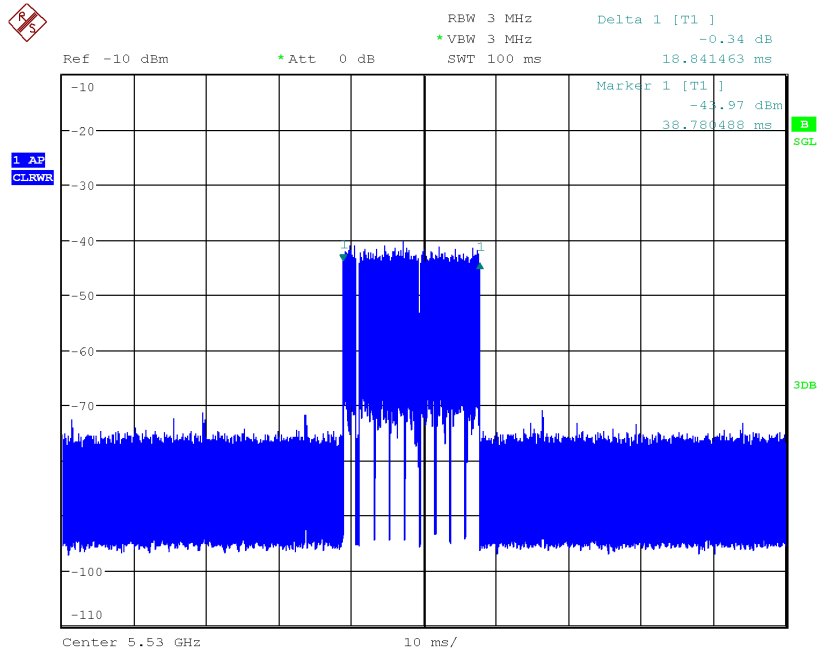


5510MHz, 40MHz Bandwidth



Date: 2.JAN.2003 00:07:10

5530 MHz, 80MHz Bandwidth

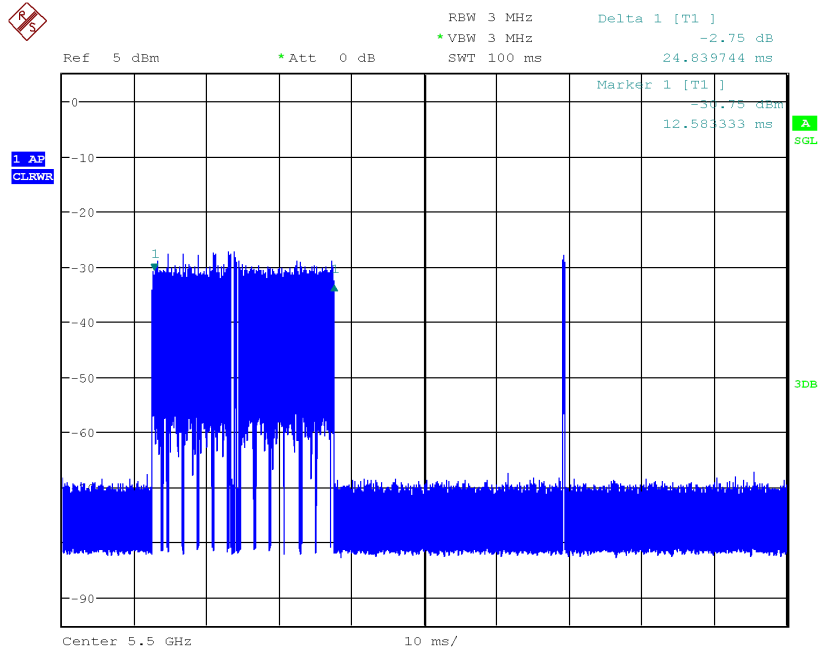


Date: 1.JAN.2003 00:48:57

The Duty Cycle of the traffic is greater than 17%

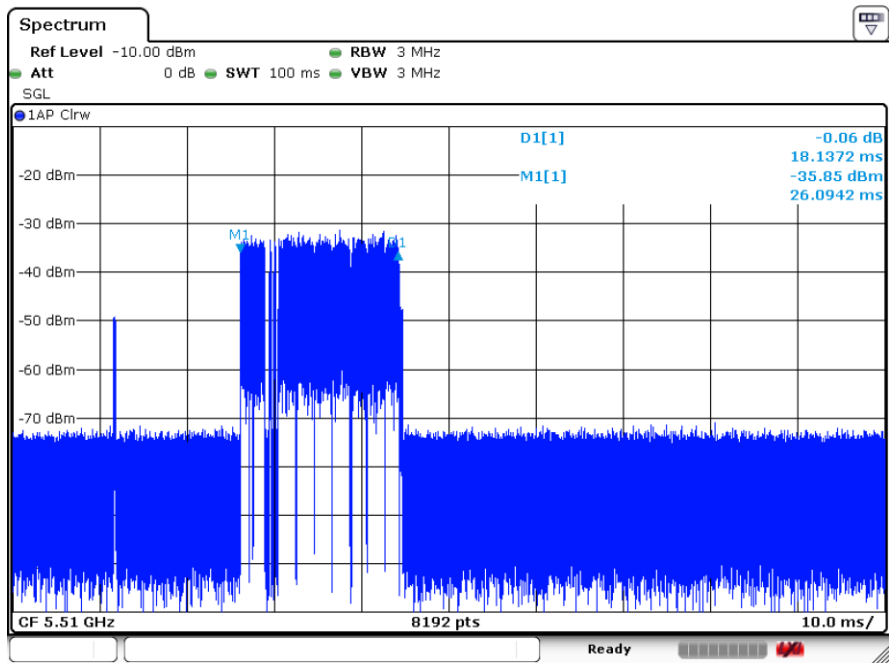
Pine Radio

5500 MHz, 20MHz Bandwidth



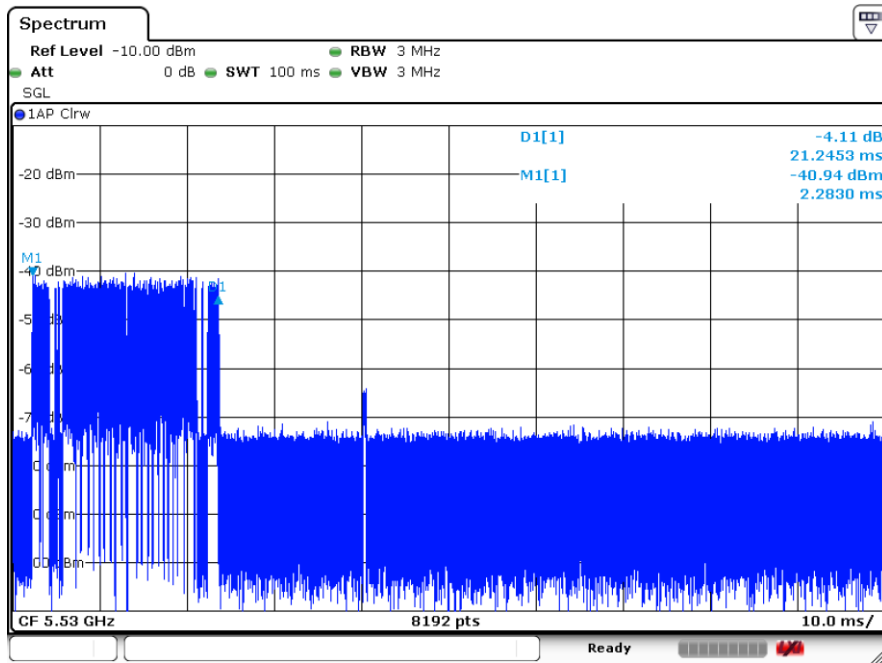
Date: 2.JAN.2003 01:43:54

5510MHz, 40MHz Bandwidth



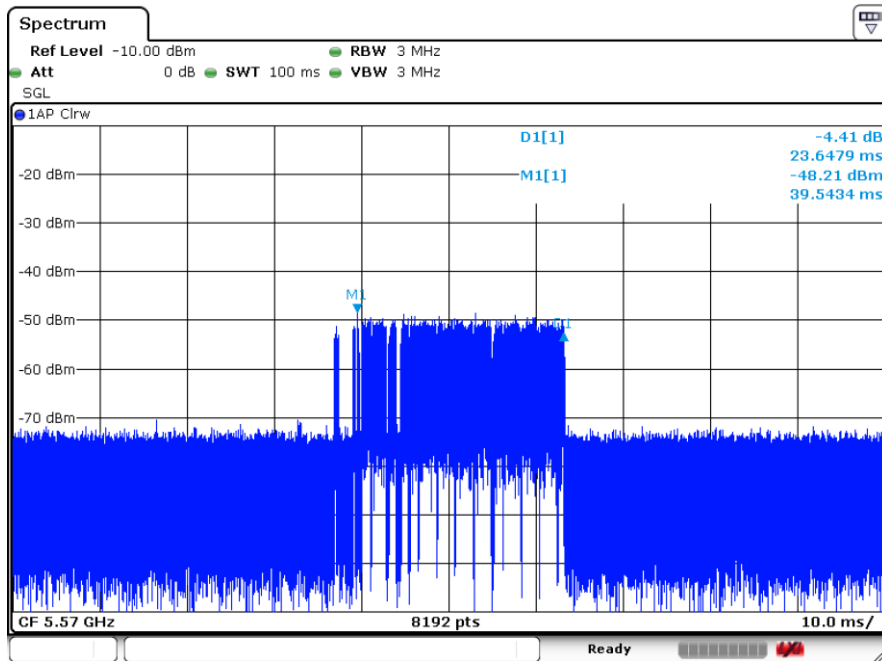
Date: 21.DEC.2022 08:18:47

5530 MHz, 80MHz Bandwidth



Date: 21.DEC.2022 09:22:01

5570MHz, 160MHz Bandwidth

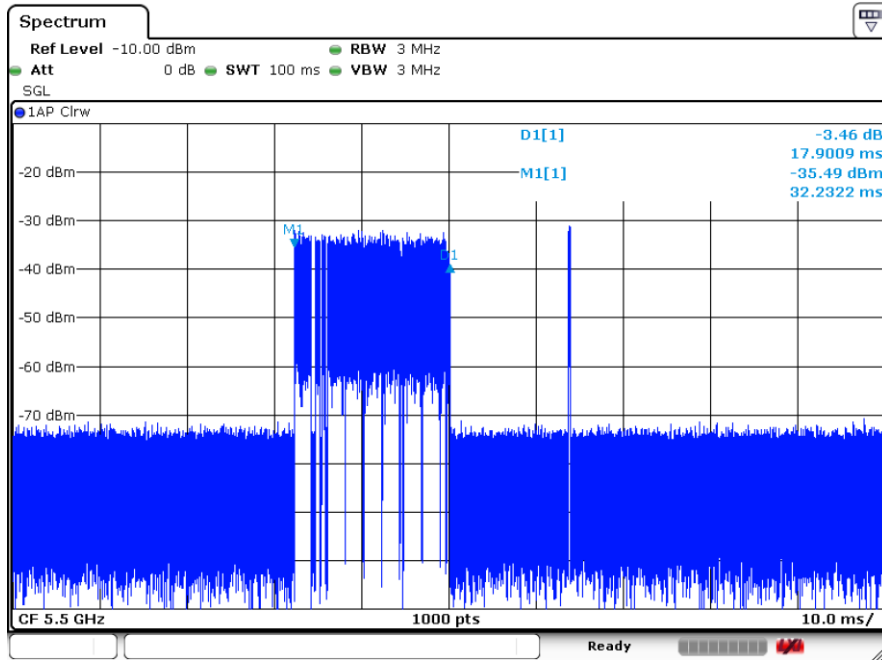


Date: 21.DEC.2022 10:41:24

The Duty Cycle of the traffic is greater than 17%

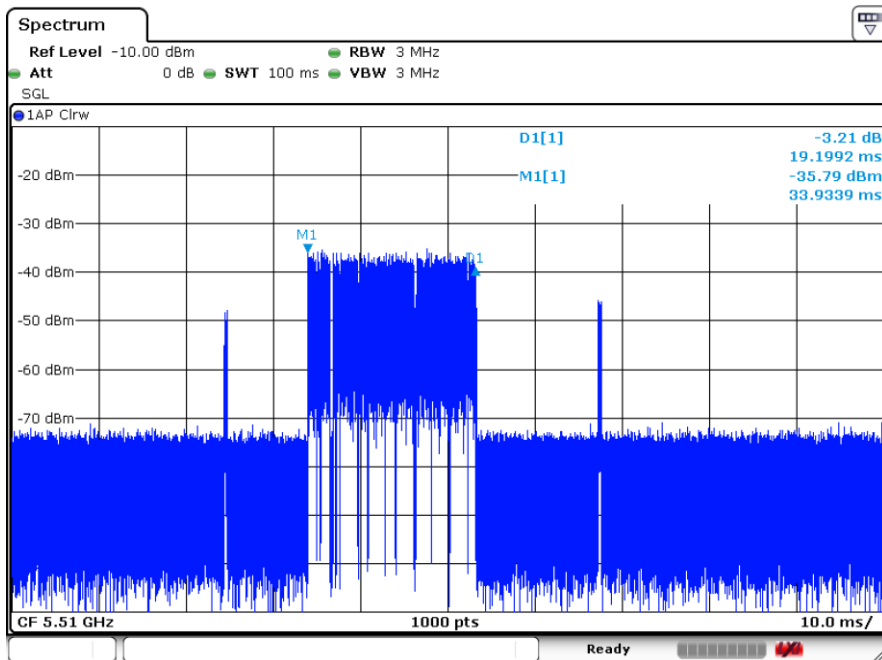
P2MP Master Mode Iron Radio

5500 MHz, 20MHz Bandwidth



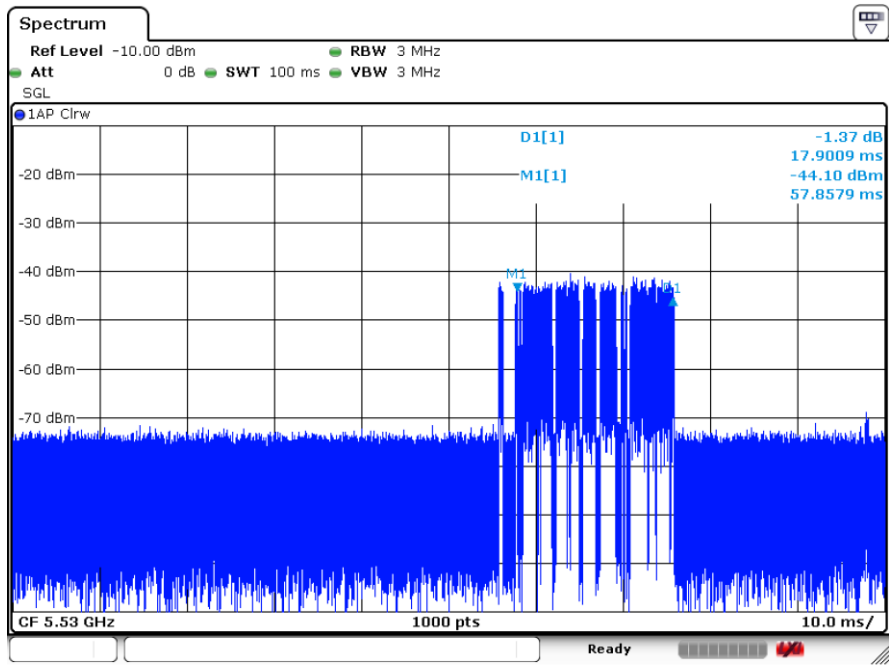
Date: 22.DEC.2022 09:27:21

5510MHz, 40MHz Bandwidth



Date: 22.DEC.2022 09:55:50

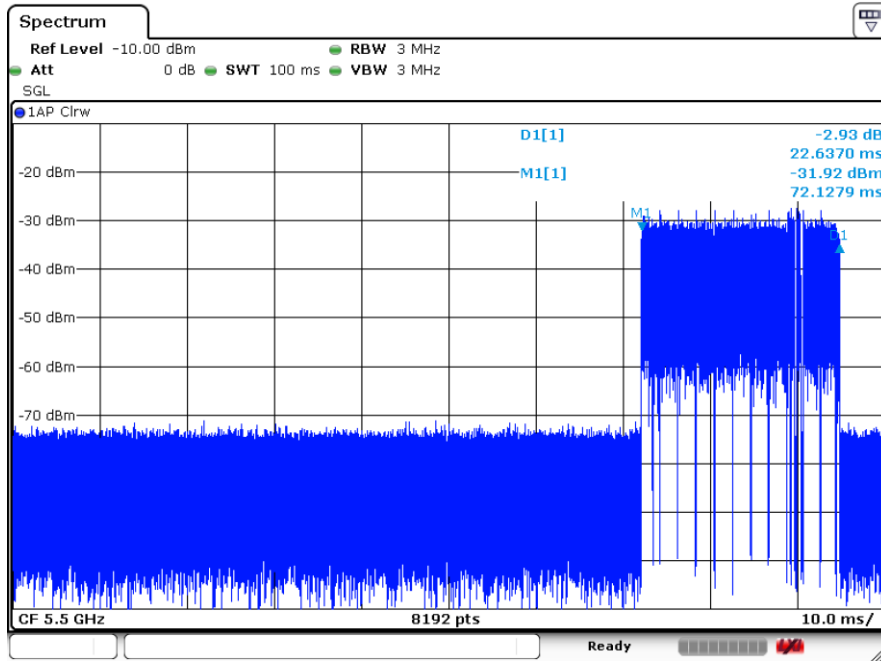
5530 MHz, 80MHz Bandwidth



Date: 22.DEC.2022 11:40:38

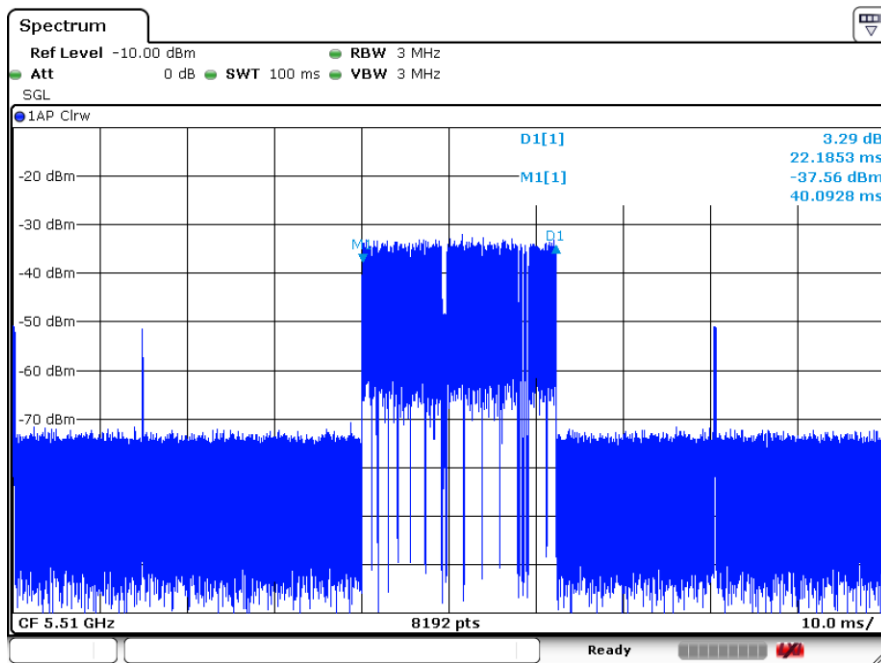
The Duty Cycle of the traffic is greater than 17%

Pine Radio 5500 MHz, 20MHz Bandwidth



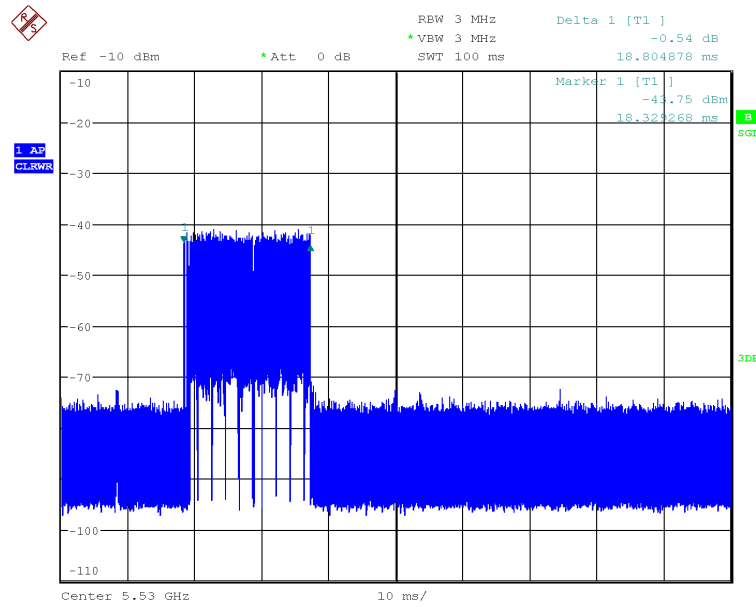
Date: 21.DEC.2022 11:33:12

5510MHz, 40MHz Bandwidth



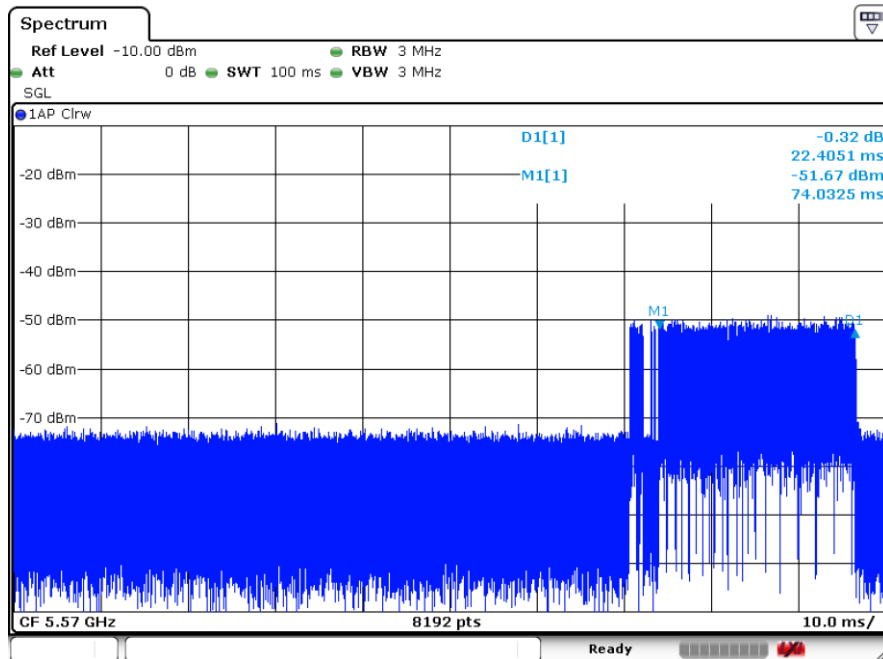
Date: 21.DEC.2022 13:21:45

5500 MHz, 80MHz Bandwidth



Date: 1.JAN.2003 19:15:08

5570MHz, 160MHz Bandwidth

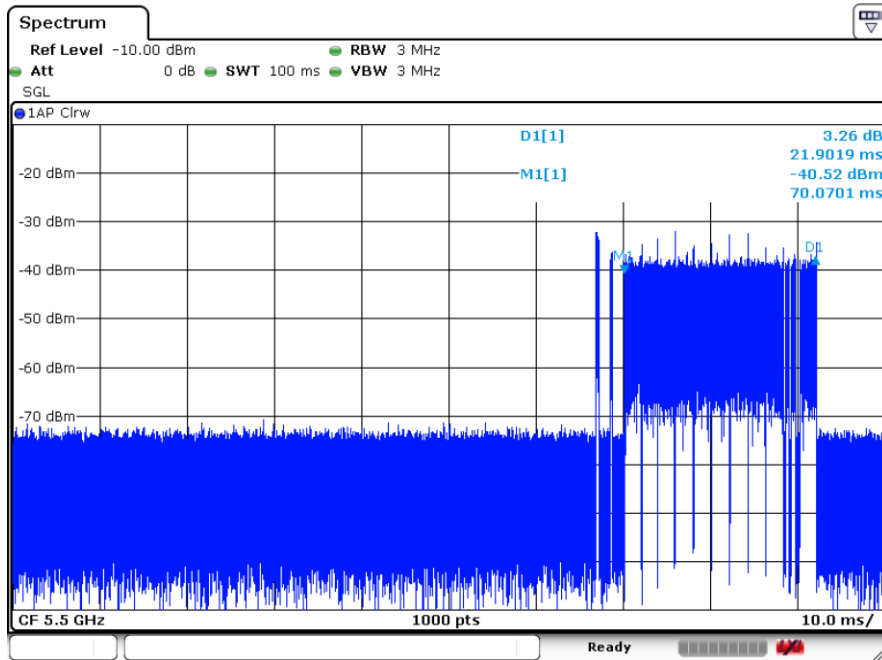


Date: 21.DEC.2022 15:07:49

The Duty Cycle of the traffic is greater than 17%

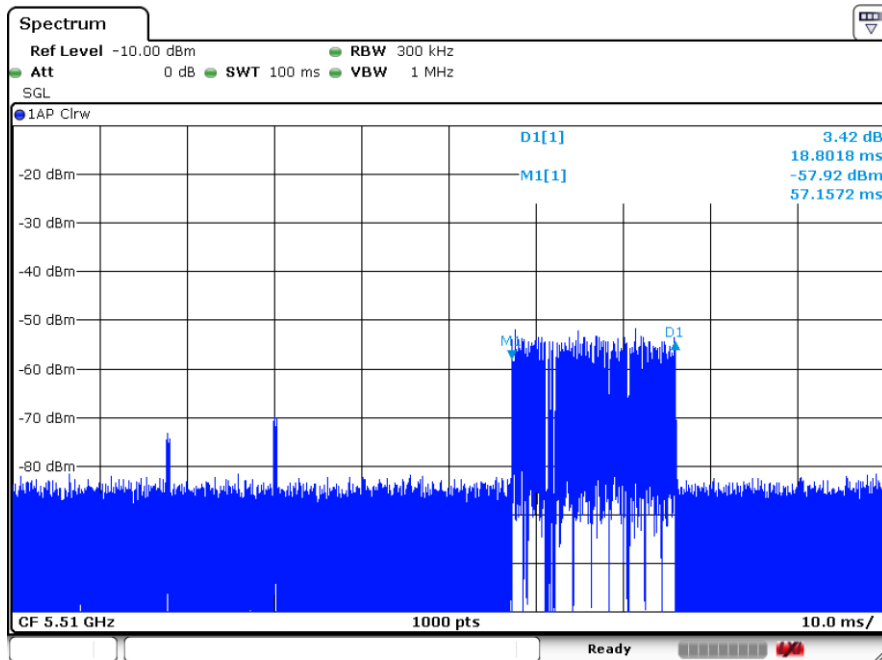
P2MP Client Mode Iron Radio

5500 MHz, 20MHz Bandwidth



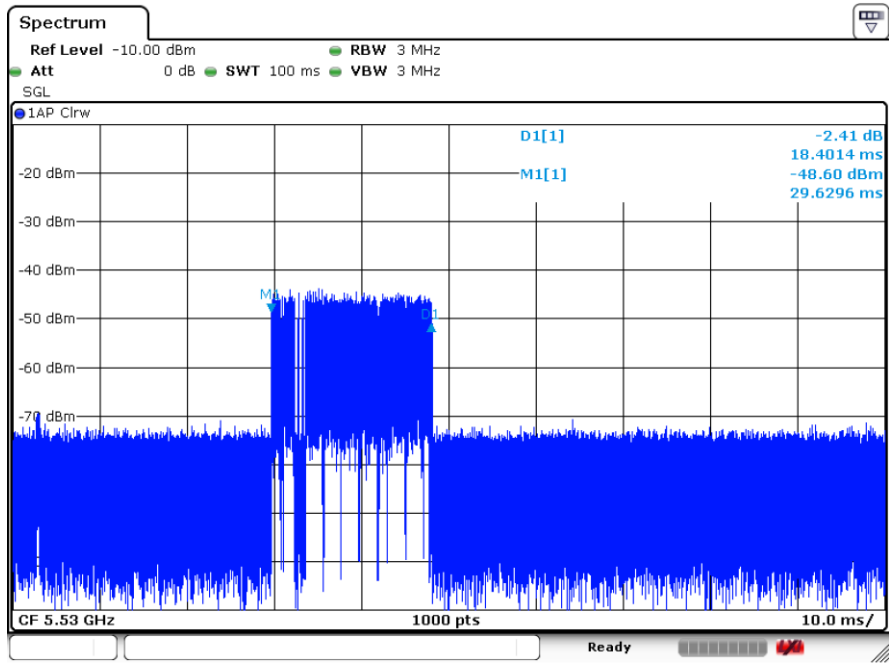
Date: 22.DEC.2022 13:09:37

5510MHz, 40MHz Bandwidth



Date: 22.DEC.2022 13:49:20

5500 MHz, 80MHz Bandwidth

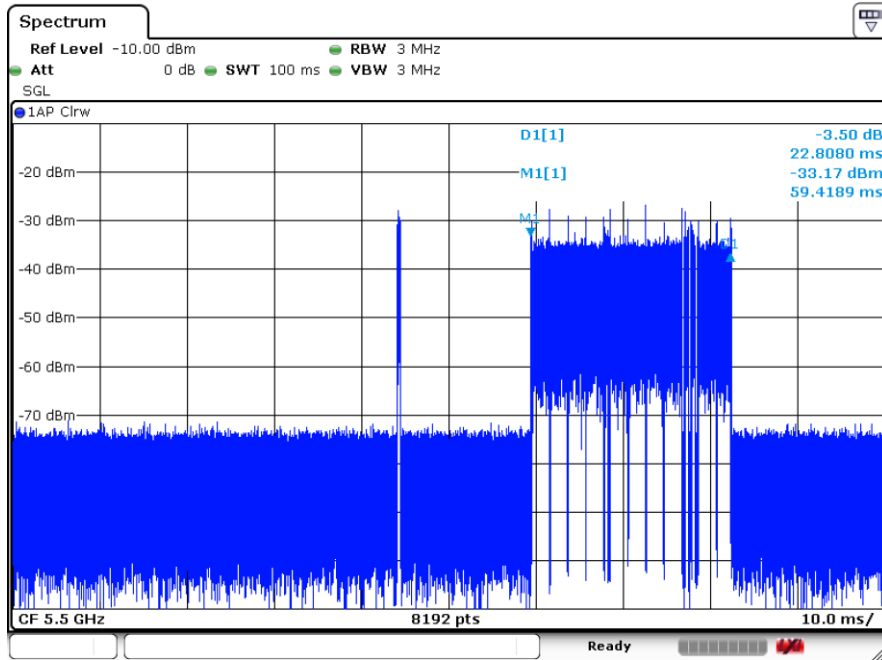


Date: 22.DEC.2022 15:15:47

The Duty Cycle of the traffic is greater than 17%

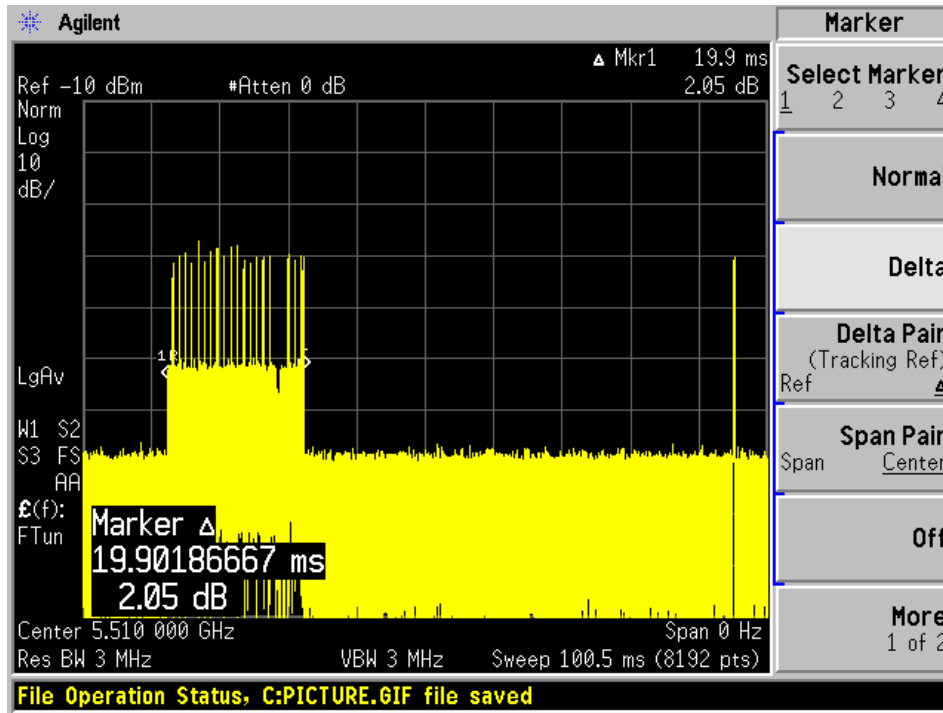
Pine Radio

5500 MHz, 20MHz Bandwidth

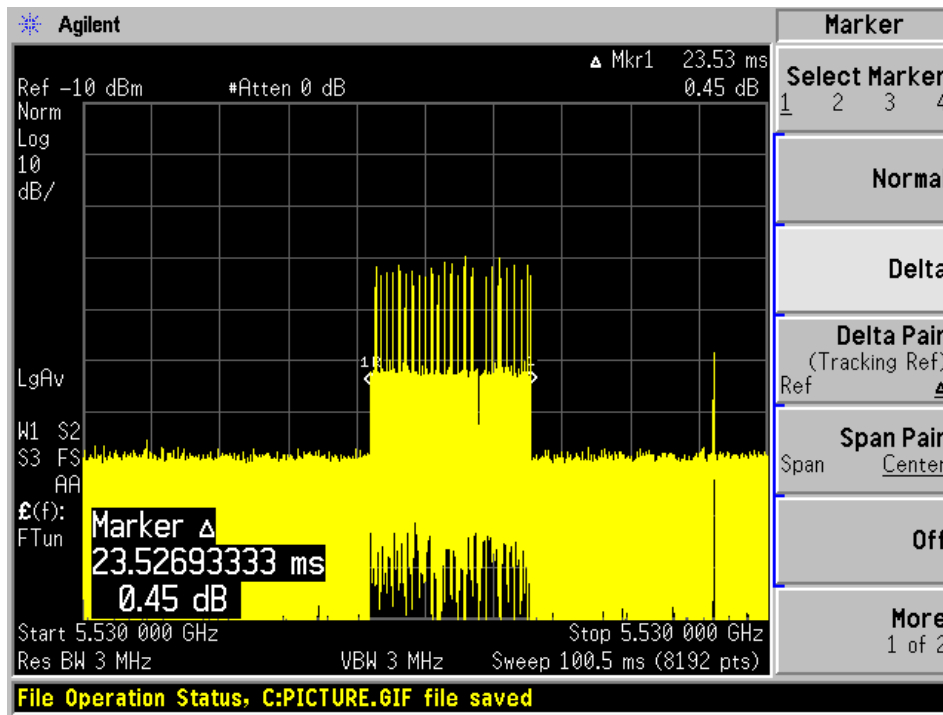


Date: 27.DEC.2022 08:29:04

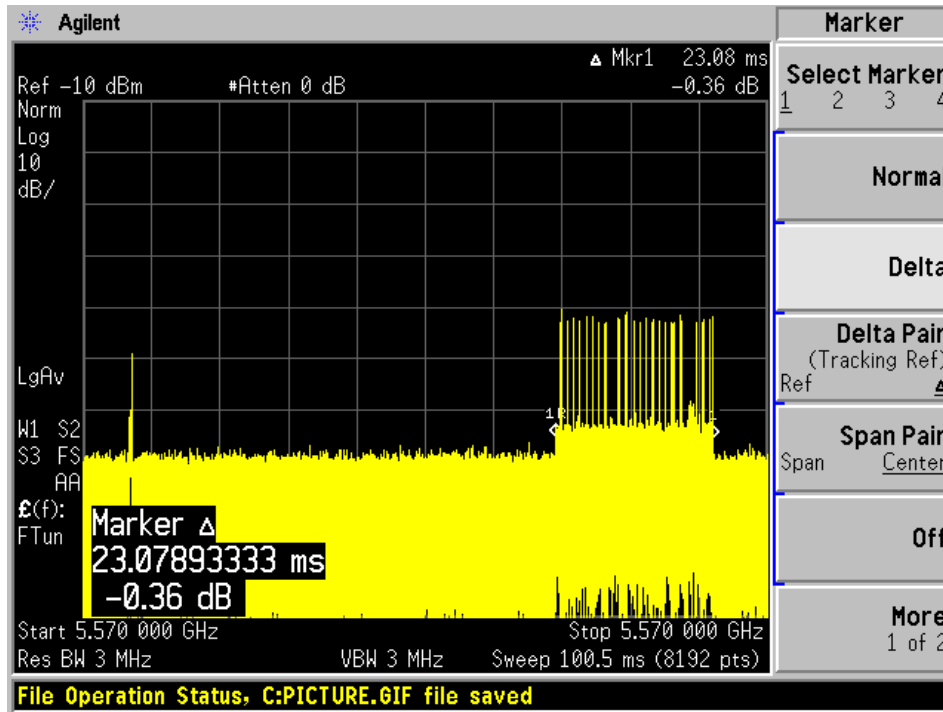
5510MHz, 40MHz Bandwidth



5500 MHz, 80MHz Bandwidth



5510MHz, 160MHz Bandwidth



The Duty Cycle of the traffic is greater than 17%

6 Channel Availability Check Time (CAC)

6.1 Test Procedure

Master Mode procedure

- 1) Using TeraTerm to send commands to the EUT and using commands provided by the manufacturer, set mode to *AP/P2P/P2MP mode*, channel to *channel 100* with center frequency at *5500 MHz*, and channel bandwidth to *20MHz*. After transmission begin, send the reboot command to power cycle the device. Measure and record the total time for the power cycle time and CAC time. Use the total time minus 60 seconds to determine the power cycle time.
- 2) Reboot the EUT again, apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer. Check no transmission for 2.5 minutes after radar detection.
- 3) Reboot EUT, apply a radar signal within 54~60 seconds after the power cycle time ended, and monitor the transmission on channel from the spectrum analyzer. Check no transmission for 2.5 minutes after radar detection.

6.2 Results:

AP Mode

Iron Radio

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

Pine Radio

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

P2P Mode**Iron Radio**

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

Pine Radio

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

P2MP Master Mode**Iron Radio**

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

Pine Radio

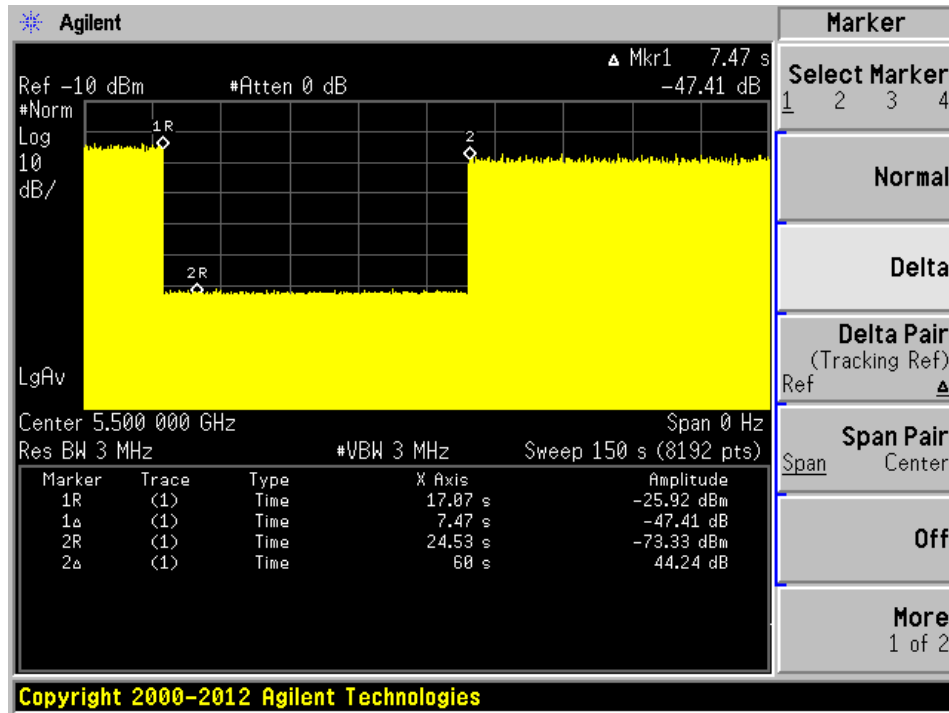
| Timing of Radar Burst | Spectrum Analyzer Display | Result |
|--------------------------------------|----------------------------------|---------------|
| No Radar Triggered | Total CAC Period 60 second | Pass |
| Within 6 seconds of the CAC starting | No transmission | Pass |
| Within the last 6 seconds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

Please refer to the following plots.

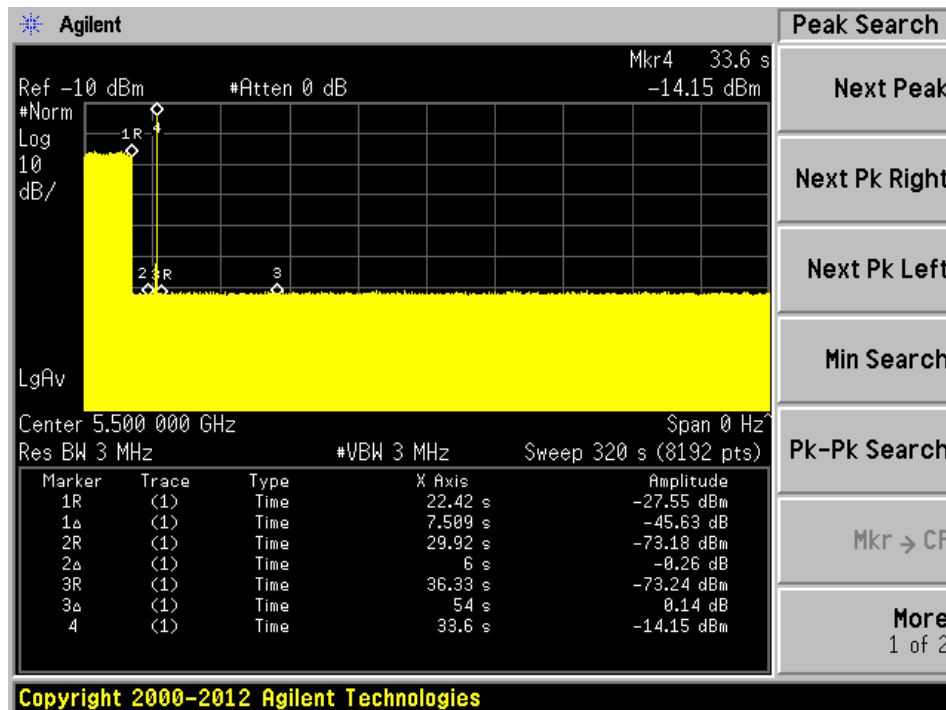
**AP Mode
Iron Radio**

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

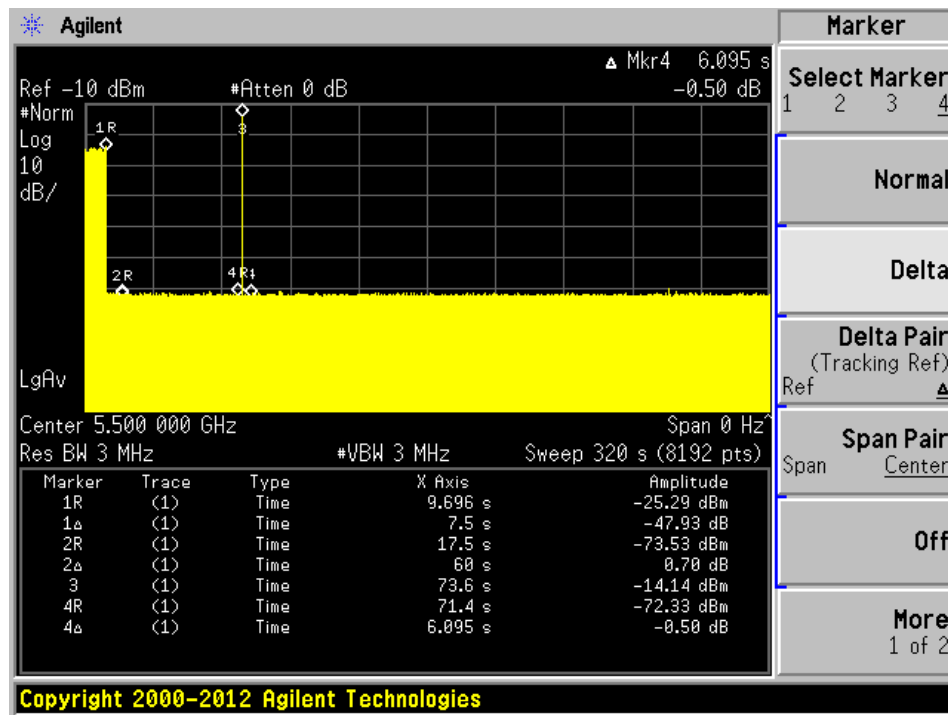


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

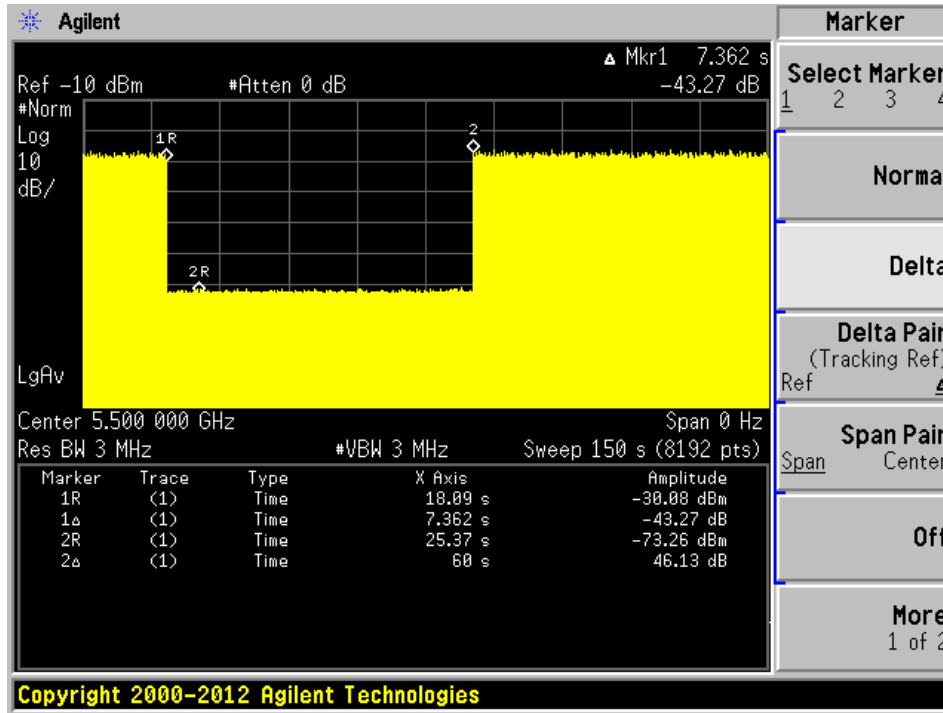


No transmissions found after radar signal applied.

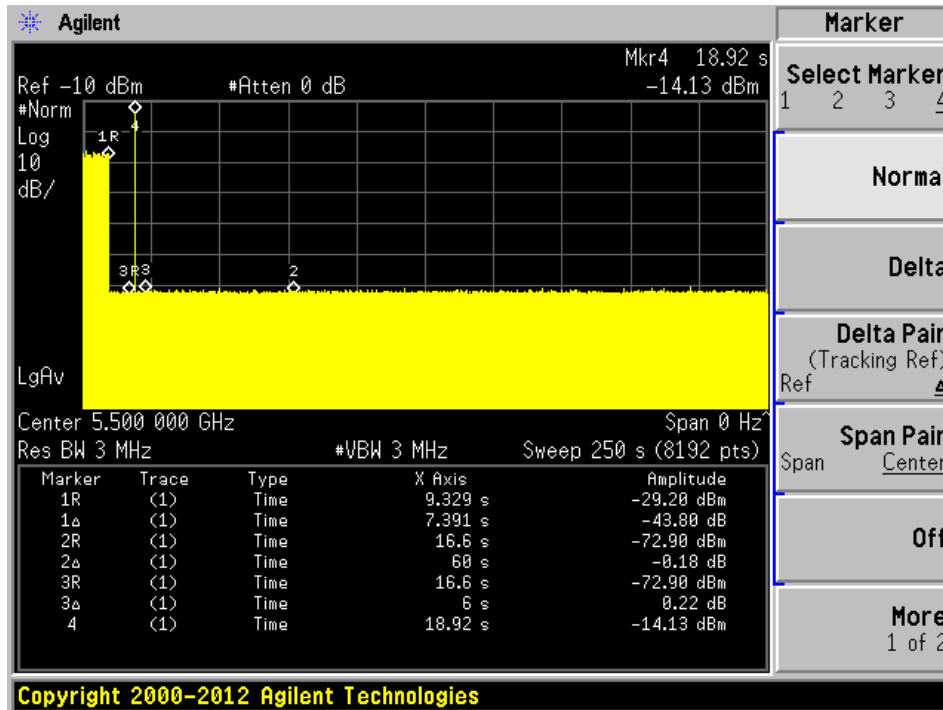
Pine Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

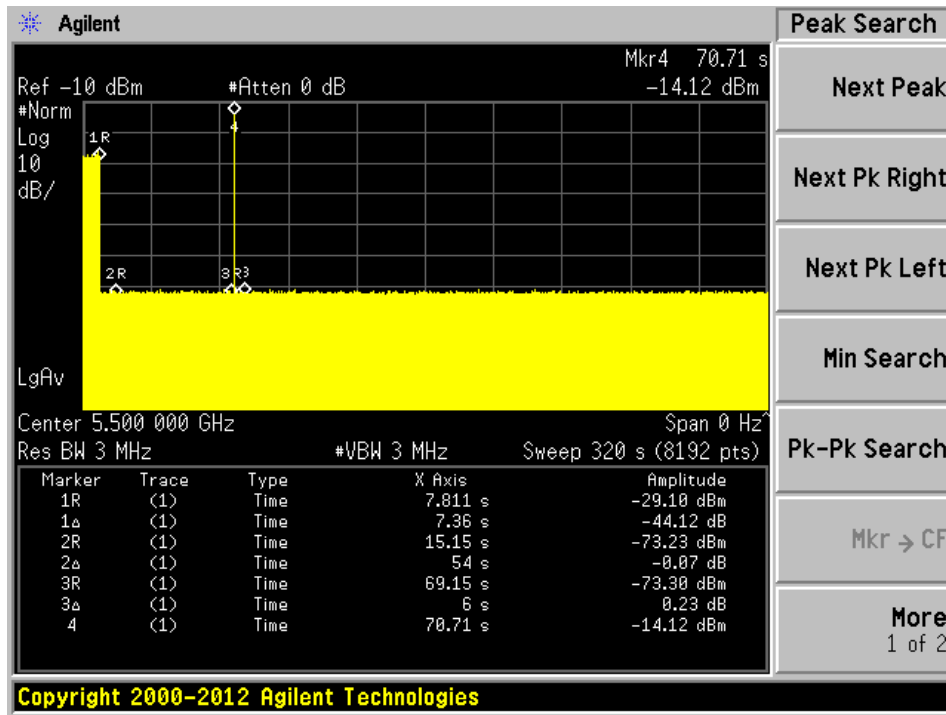


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

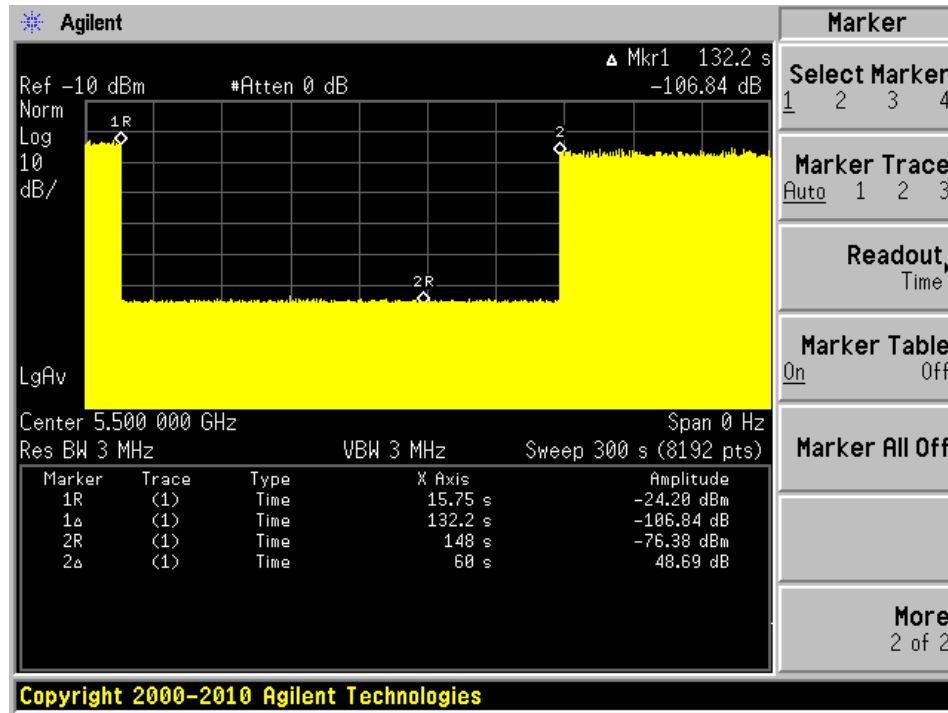


No transmissions found after radar signal applied.

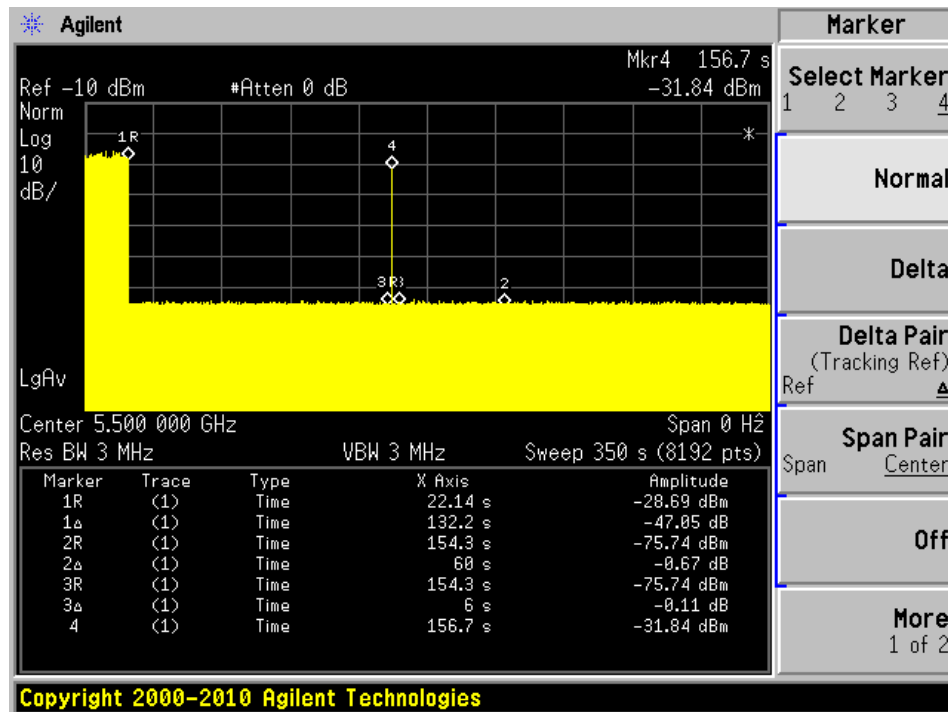
**P2P Mode
Iron Radio**

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

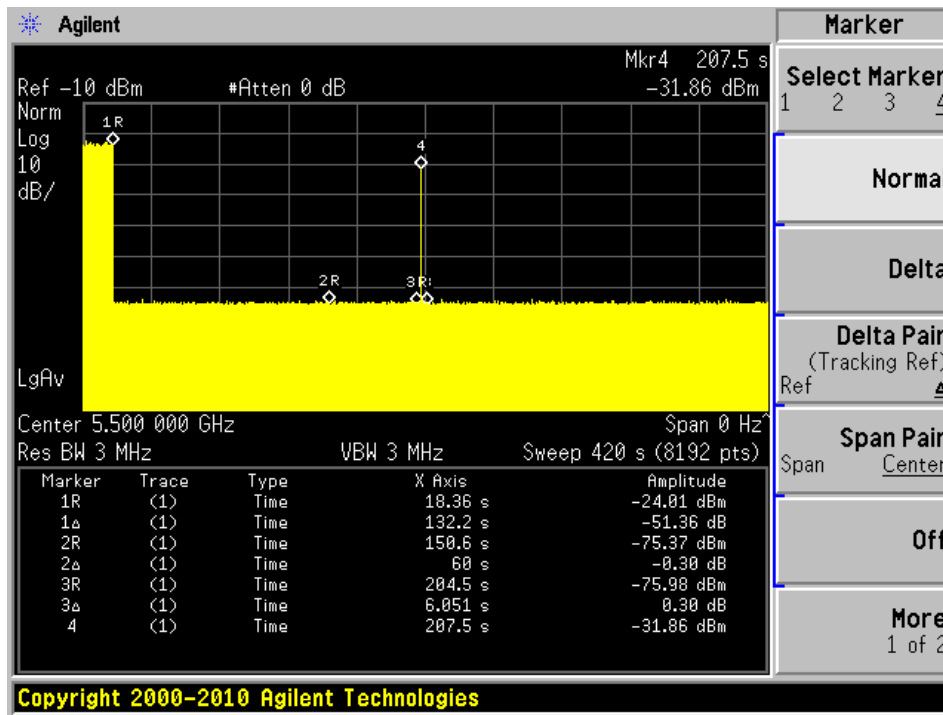


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

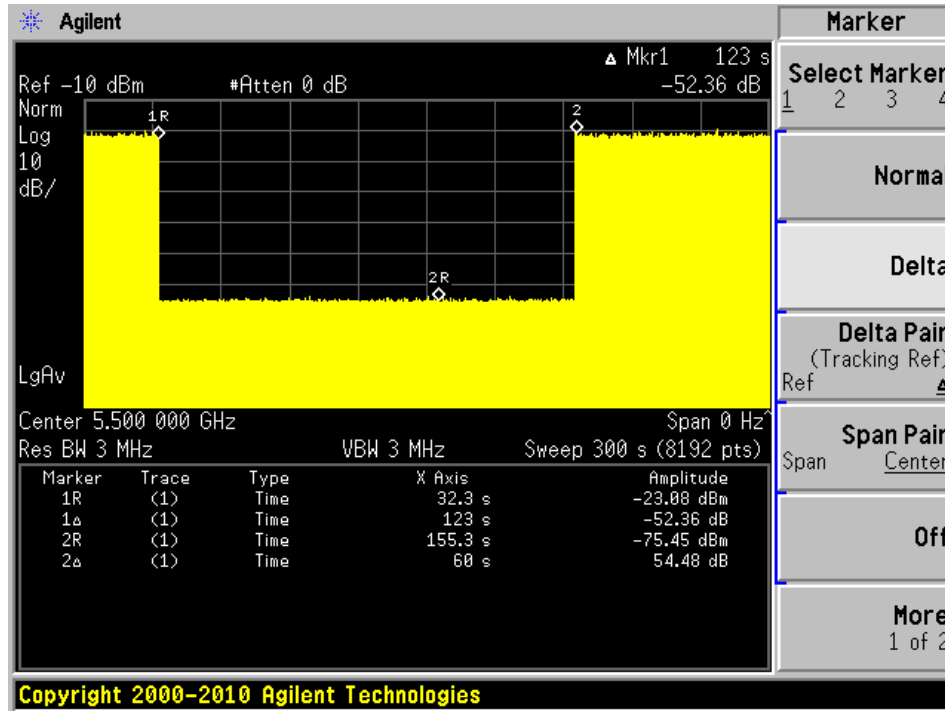


No transmissions found after radar signal applied.

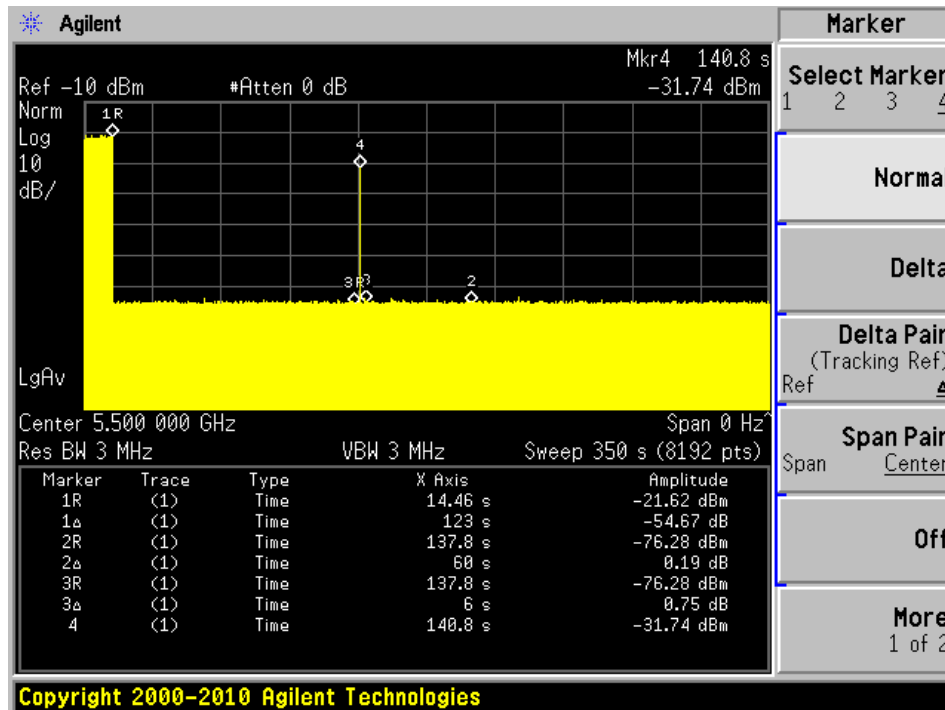
Pine Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

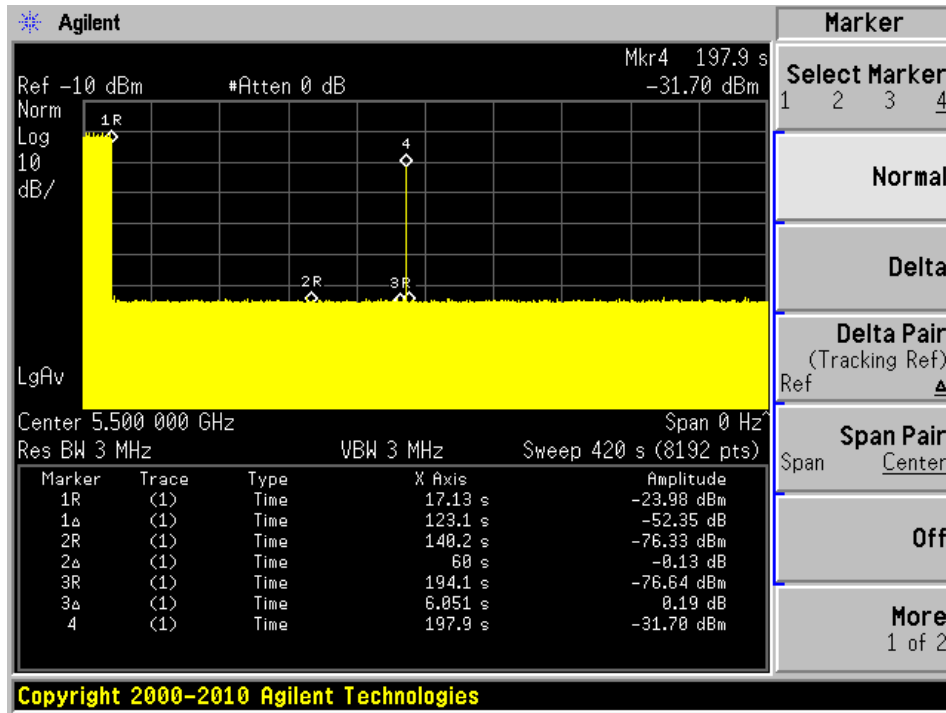


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

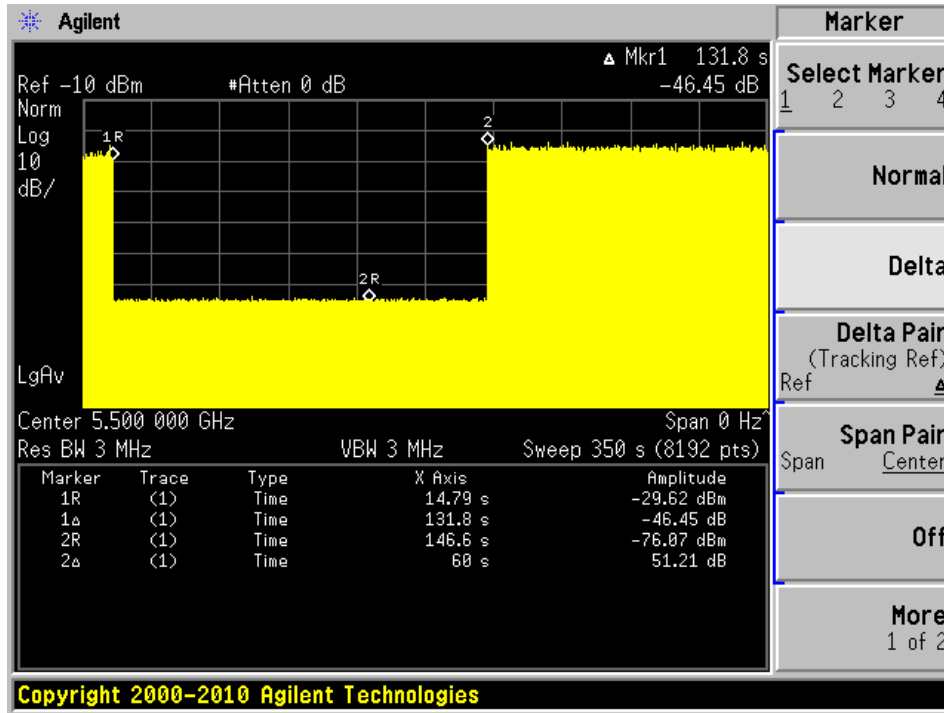


No transmissions found after radar signal applied.

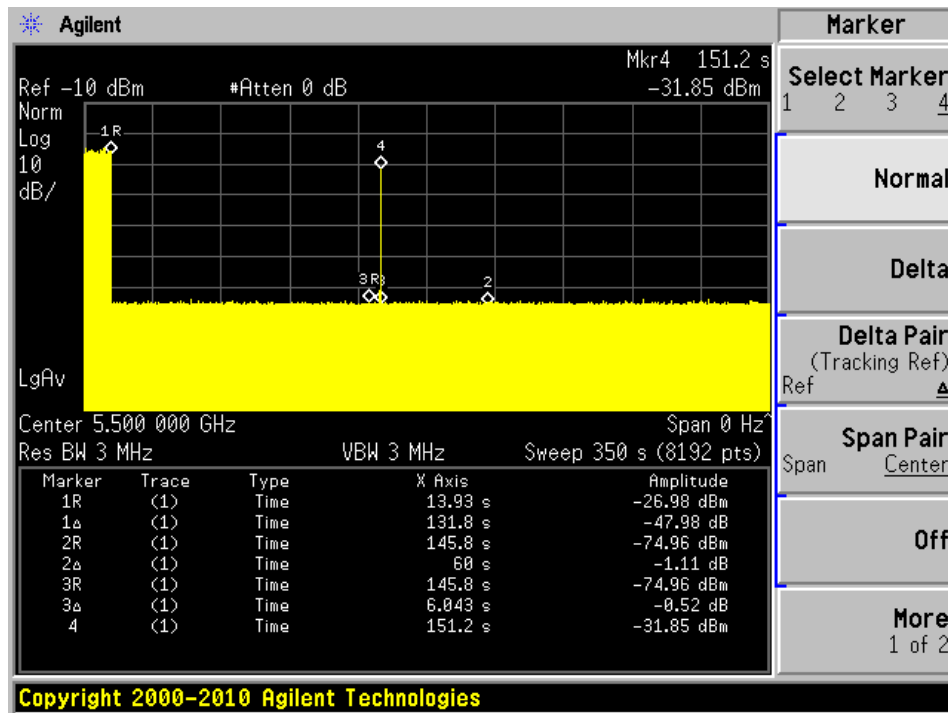
**P2MP Mode
Iron Radio**

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

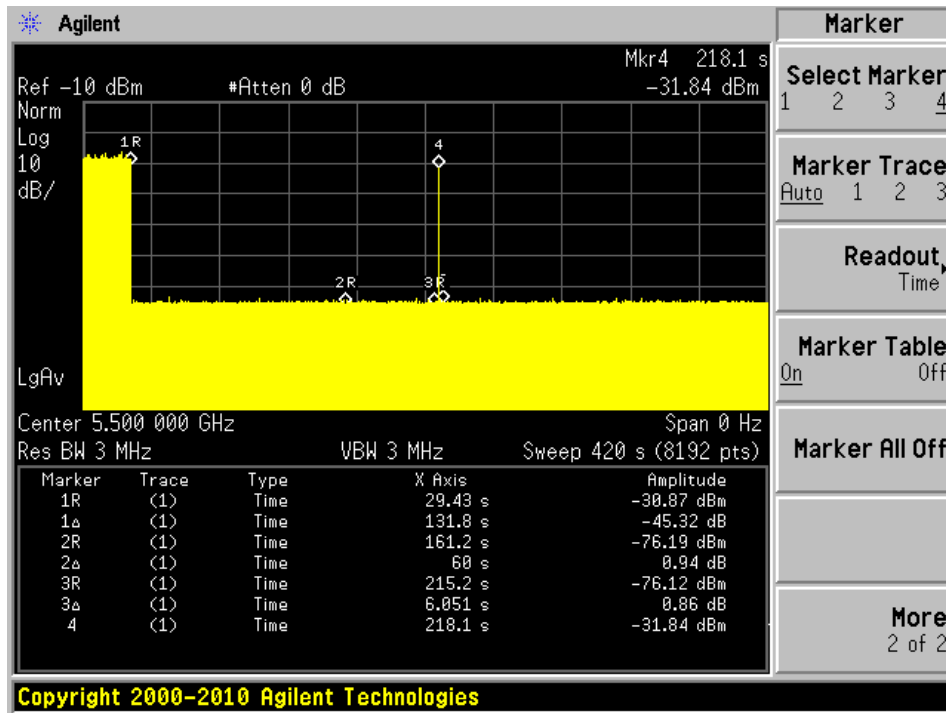


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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

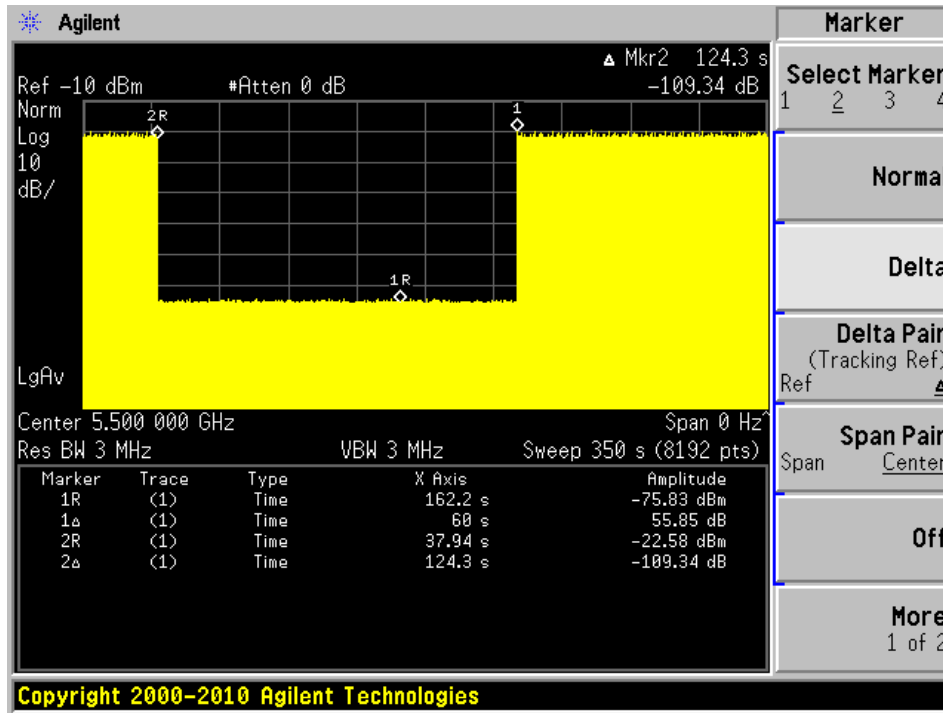


No transmissions found after radar signal applied.

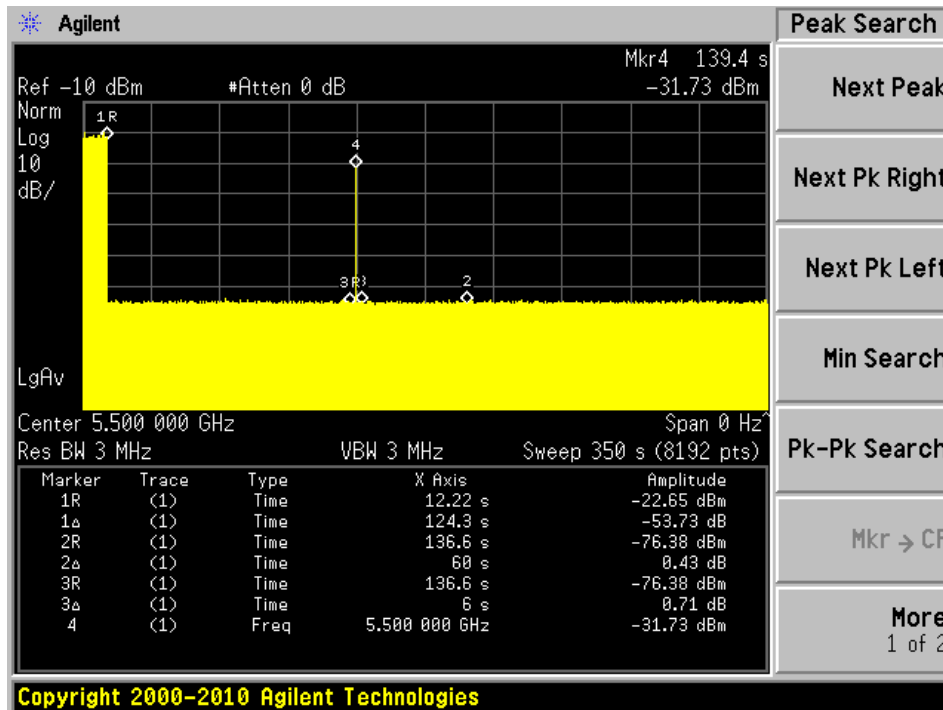
Pine Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

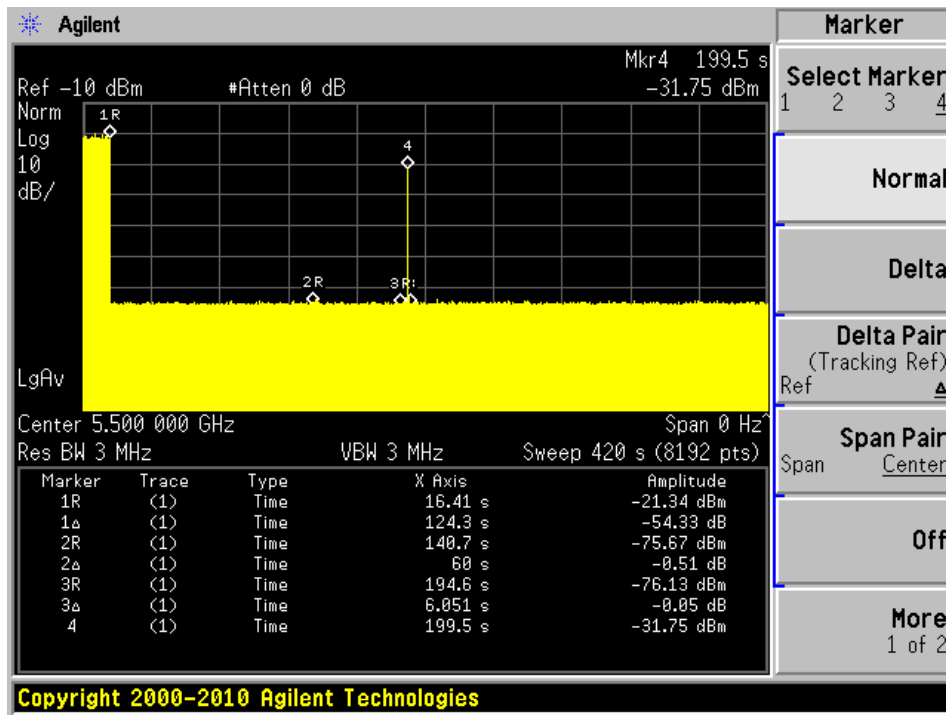


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

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



No transmissions found after radar signal applied.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

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

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N * Dwell Time

N is the number of spectrum analyzer bins showing a device transmission

Dwell Time is the dwell time per bin (i.e. Dwell Time = S/B, S is the sweep time and B is the number of bin, i.e. 8192)

7.2 Test Results

AP Mode

Iron Radio

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

Pine Radio

| Frequency (MHz) | Bandwidth (MHz) | Radar Type | Results |
|-----------------|-----------------|------------|-----------|
| 5570 | 160 | Type 0 | Compliant |

P2P Mode

Iron Radio

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

Pine Radio

| Frequency (MHz) | Bandwidth (MHz) | Radar Type | Results |
|-----------------|-----------------|------------|-----------|
| 5570 | 160 | Type 0 | Compliant |

P2MP Master Mode**Iron Radio**

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

Pine Radio

| Frequency (MHz) | Bandwidth (MHz) | Radar Type | Results |
|-----------------|-----------------|------------|-----------|
| 5570 | 160 | Type 0 | Compliant |

P2MP Client Mode**Iron Radio**

| Frequency (MHz) | Detecting Mode | Bandwidth (MHz) | Radar Type | Results |
|-----------------|------------------|-----------------|------------|-----------|
| 5530 | Master-Detecting | 80 | Type 0 | Compliant |
| 5530 | Client-Detecting | 80 | Type 0 | Compliant |

Pine Radio

| Frequency (MHz) | Detecting Mode | Bandwidth (MHz) | Radar Type | Results |
|-----------------|------------------|-----------------|------------|-----------|
| 5570 | Master-Detecting | 160 | Type 0 | Compliant |
| 5570 | Client-Detecting | 160 | Type 0 | Compliant |

Please refer to the following tables and plots.

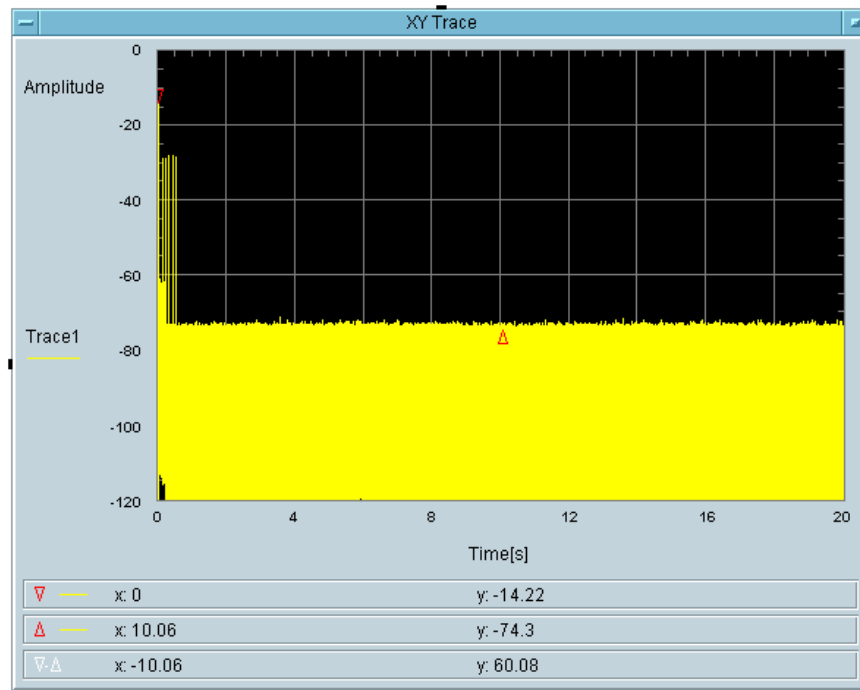
**AP Mode
Iron Radio**

5530 MHz, Bandwidth 80 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 112.3+12.21 | 200+60 | Pass |

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



Total On Time [s]
0.1123

Total On Time After Delay [s]
12.21m

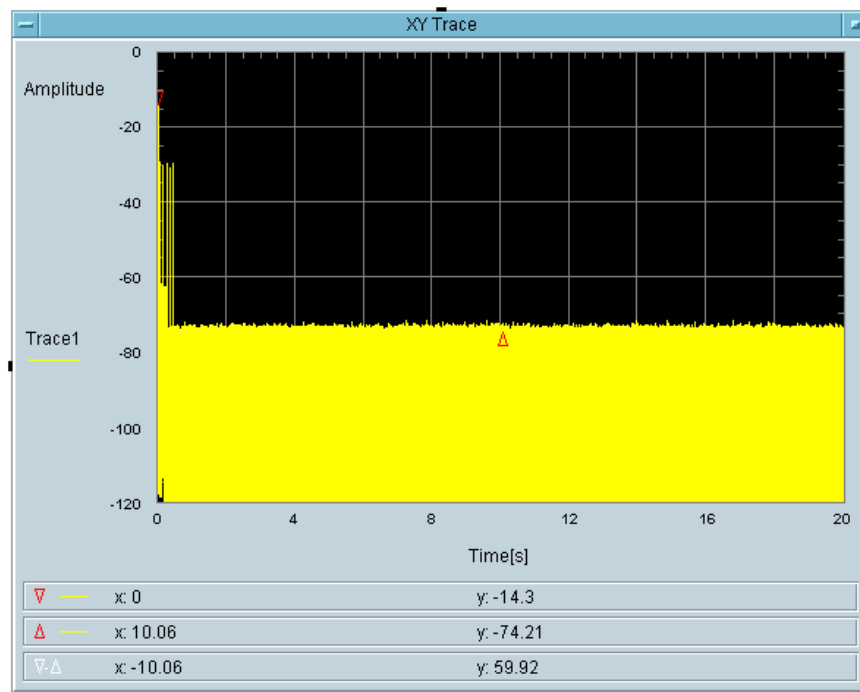
**AP Master Mode
Pine Radio**

5570 MHz, Bandwidth 160 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 109.9+9.766 | 200+60 | Pass |

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



Total On Time [s]
0.1099

Total On Time After Delay [s]
9.766m

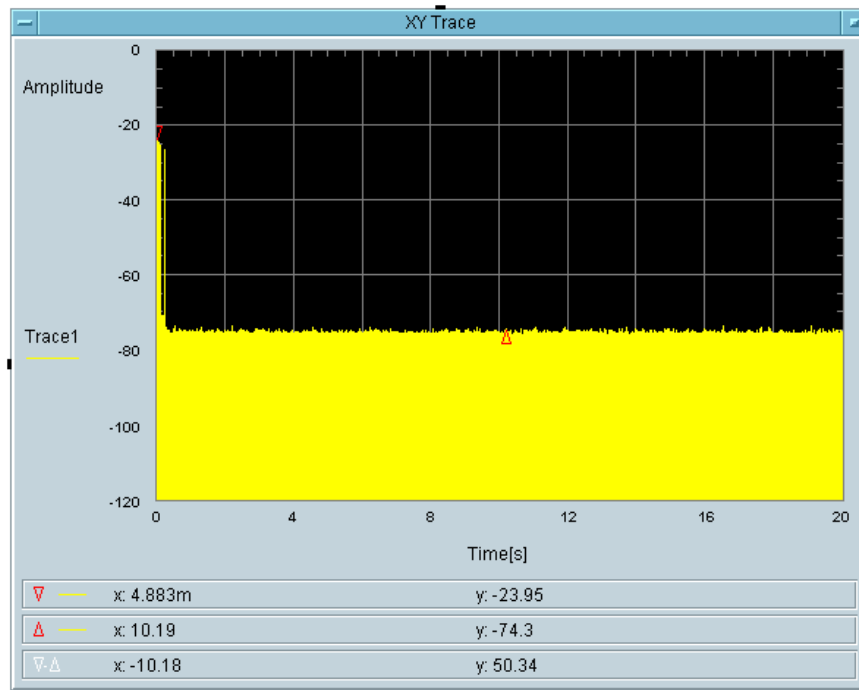
**P2P Mode
Iron Radio**

5530 MHz, Bandwidth 80 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 78.13+2.441 | 200+60 | Pass |

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



Total On Time [s]
78.13m

Total On Time After Delay [s]
2.441m

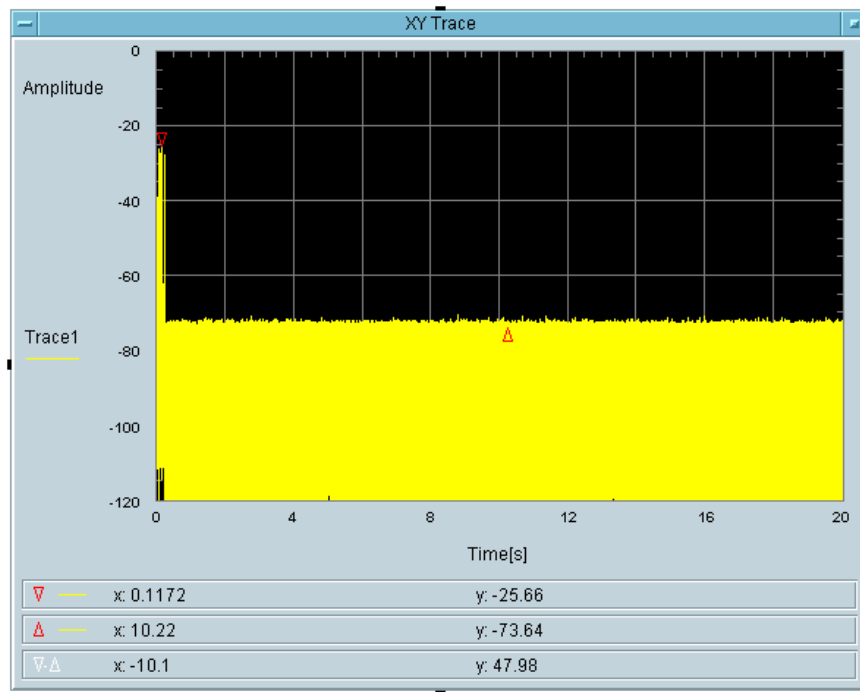
**P2P Mode
Pine Radio**

5570 MHz, Bandwidth 160 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 105+4.883 | 200+60 | Pass |

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



Total On Time [s]
0.105

Total On Time After Delay [s]
4.883m

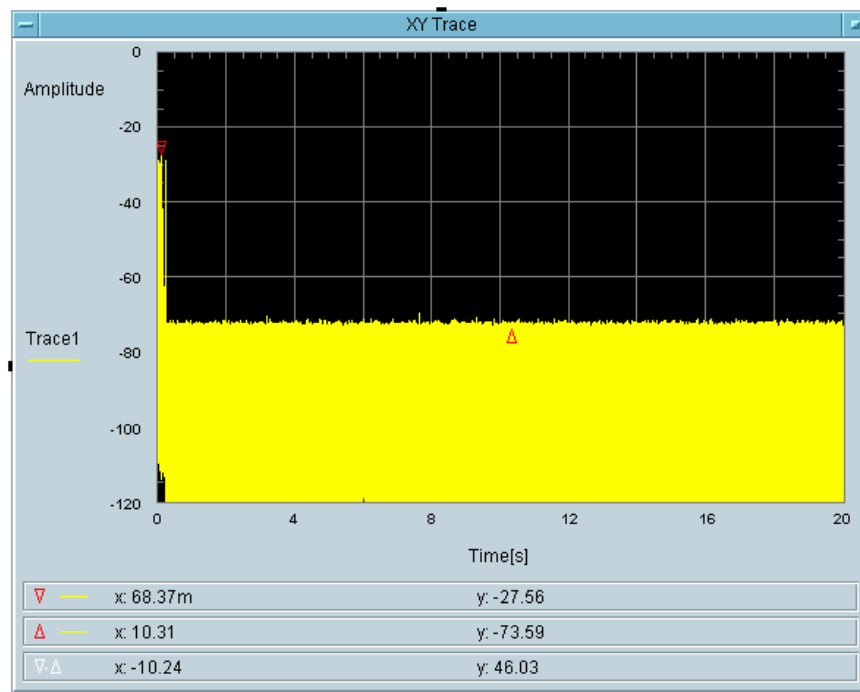
**P2MP Master Mode
Iron Radio**

5530 MHz, Bandwidth 80 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 105+4.883 | 200+60 | Pass |

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



Total On Time [s]
0.105

Total On Time After Delay [s]
4.883m

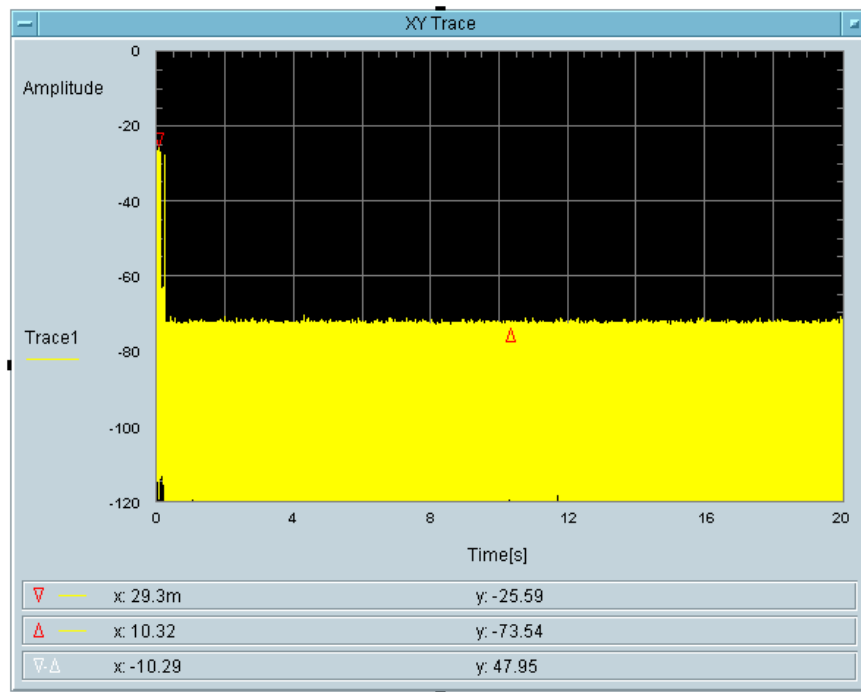
**P2MP Master Mode
Pine Radio**

5570 MHz, Bandwidth 160 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 107.4+7.324 | 200+60 | Pass |

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



Total On Time [s]
0.1074

Total On Time After Delay [s]
7.324m

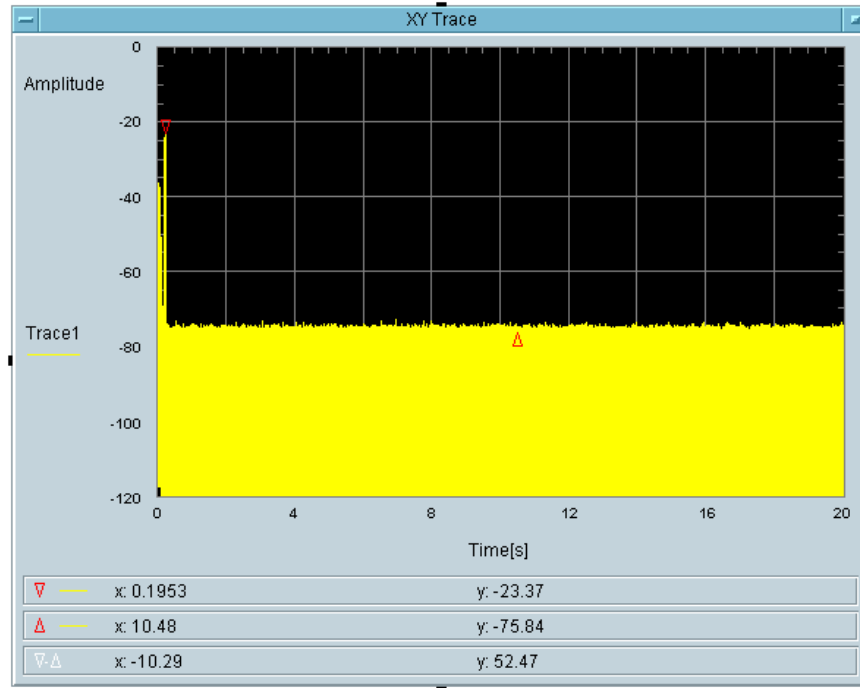
**P2MP Client Mode with Radar Waveform Directing Master Device
Iron Radio**

5530 MHz, Bandwidth 80 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 105+4.883 | 200+60 | Pass |

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



Total On Time [s]
0.105

Total On Time After Delay [s]
4.883m

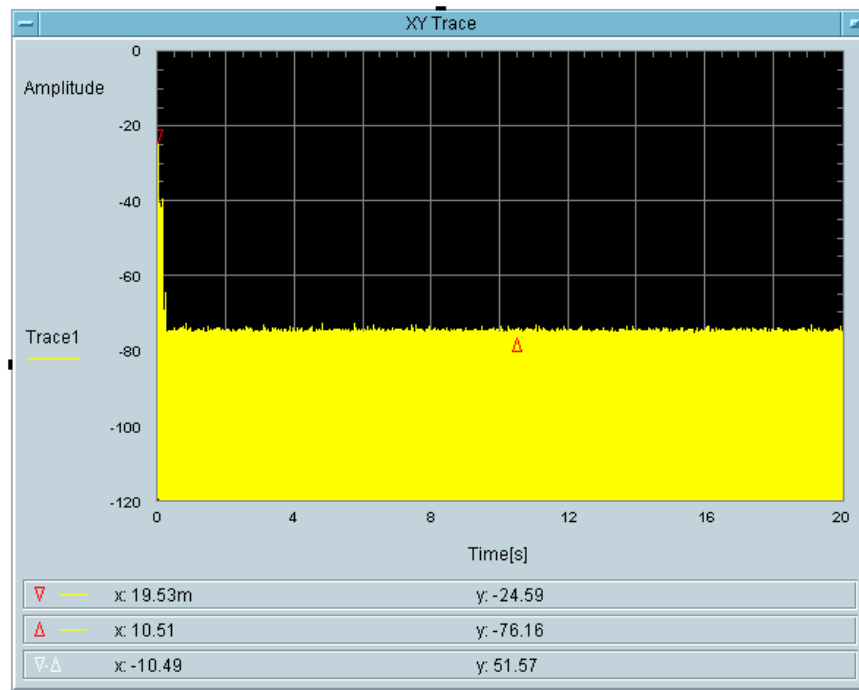
**P2MP Client Mode with Radar Waveform Directing Master Device
Pine Radio**

5570 MHz, Bandwidth 160 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 109.9+9.766 | 200+60 | Pass |

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



Total On Time [s]
0.1099

Total On Time After Delay [s]
9.766m

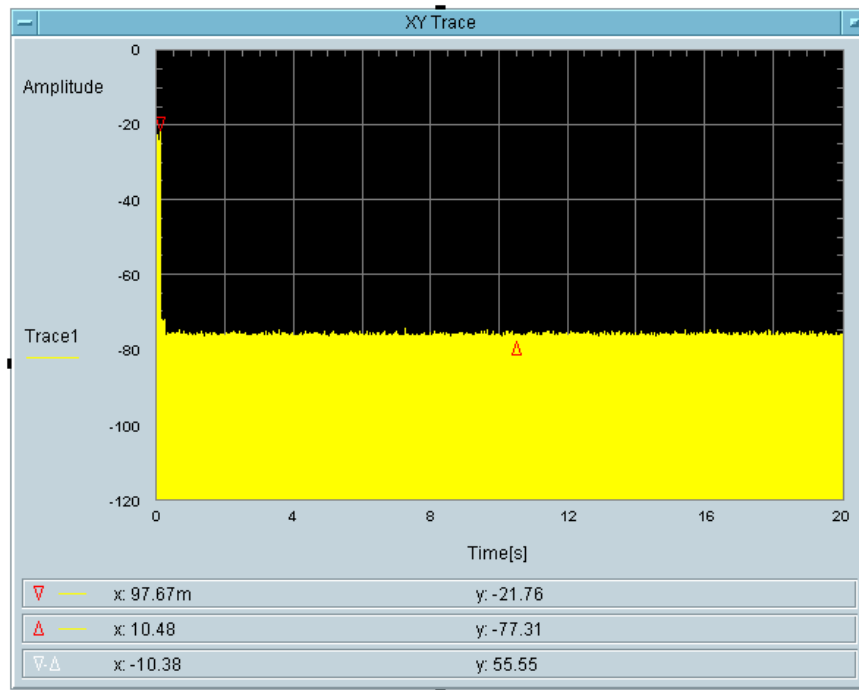
**P2MP Client Mode with Radar Waveform directing Client Device
Iron Radio**

5530 MHz, Bandwidth 80 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 85.45+2.441 | 200+60 | Pass |

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



Total On Time [s]
85.45m

Total On Time After Delay [s]
2.441m

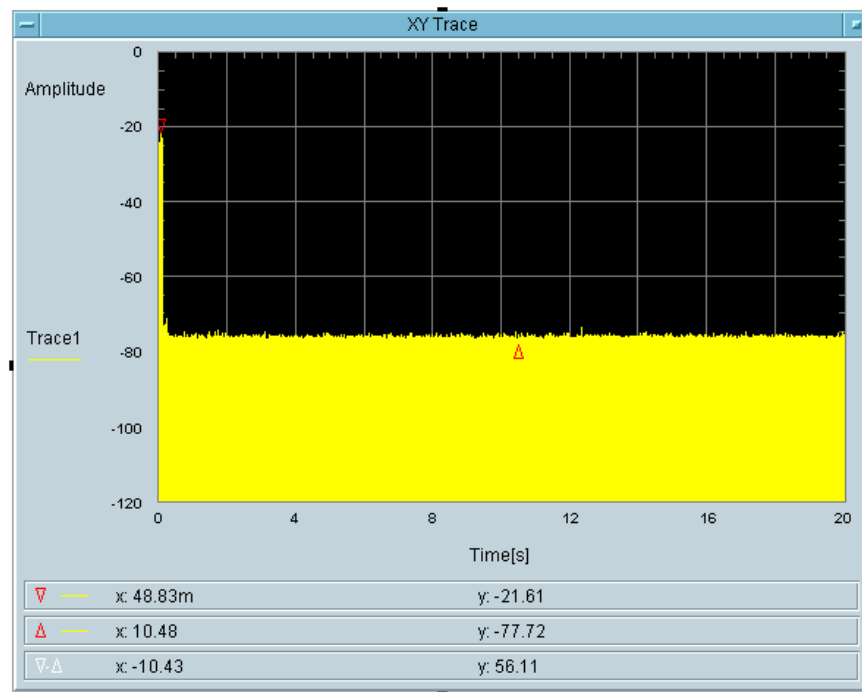
**P2MP Client Mode with Radar Waveform directing Client Device
Pine Radio**

5570 MHz, Bandwidth 160 MHz

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

| Channel closing transmitting time (ms) | Limit (ms) | Result |
|--|------------|--------|
| 48.83+2.441 | 200+60 | Pass |

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



Total On Time [s]
48.83m

Total On Time After Delay [s]
2.441m

8 Non-Occupancy Period

8.1 Test Procedure

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

8.2 Test Results

AP Mode

Iron Radio

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

Pine Radio

| Frequency (MHz) | Bandwidth (MHz) | Spectrum Analyzer Display |
|-----------------|-----------------|-----------------------------------|
| 5570 | 160 | No transmission within 30 minutes |

P2P Mode

Iron Radio

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

Pine Radio

| Frequency (MHz) | Bandwidth (MHz) | Spectrum Analyzer Display |
|-----------------|-----------------|-----------------------------------|
| 5570 | 160 | No transmission within 30 minutes |

P2MP Master Mode**Iron Radio**

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

Pine Radio

| Frequency (MHz) | Bandwidth (MHz) | Spectrum Analyzer Display |
|-----------------|-----------------|-----------------------------------|
| 5570 | 160 | No transmission within 30 minutes |

P2MP Client Mode**Iron Radio**

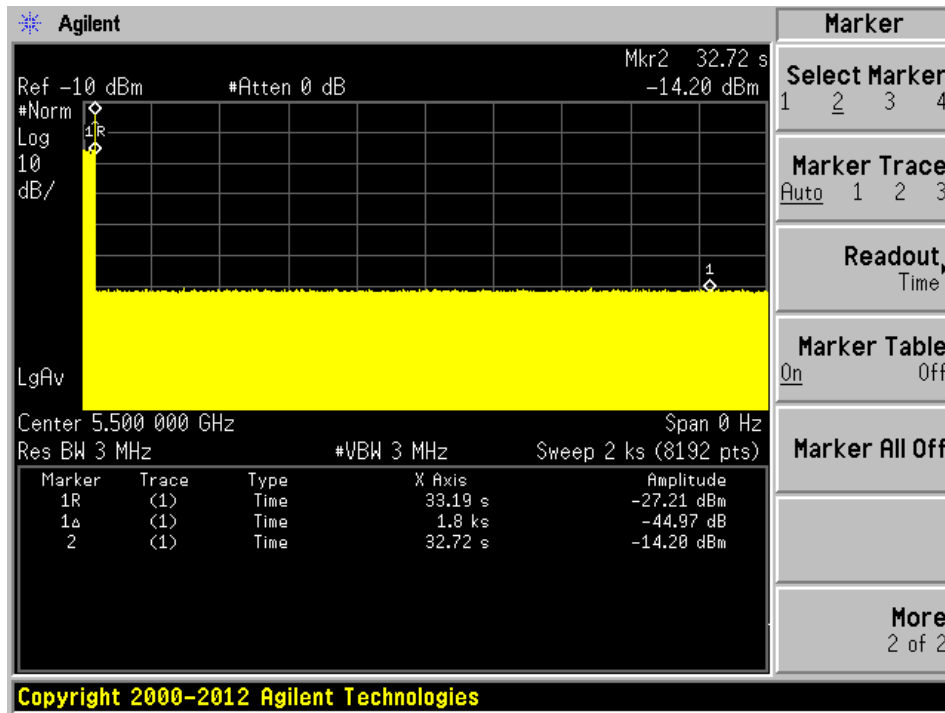
| Frequency (MHz) | Detecting Mode | Bandwidth (MHz) | Spectrum Analyzer Display |
|-----------------|------------------|-----------------|-----------------------------------|
| 5530 | Master-Detecting | 80 | No transmission within 30 minutes |
| 5530 | Client-Detecting | 80 | No transmission within 30 minutes |

Pine Radio

| Frequency (MHz) | Detecting Mode | Bandwidth (MHz) | Spectrum Analyzer Display |
|-----------------|------------------|-----------------|-----------------------------------|
| 5570 | Master-Detecting | 160 | No transmission within 30 minutes |
| 5570 | Client-Detecting | 160 | No transmission within 30 minutes |

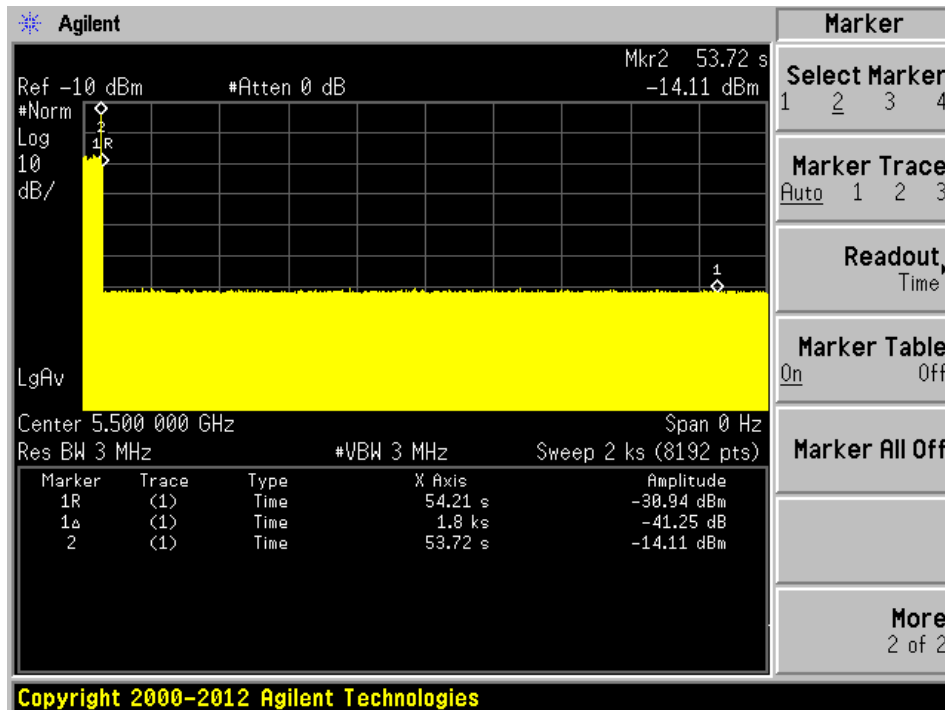
Please refer to the following plots.

**AP Mode
Iron Radio
5530 MHz, Bandwidth 80 MHz**



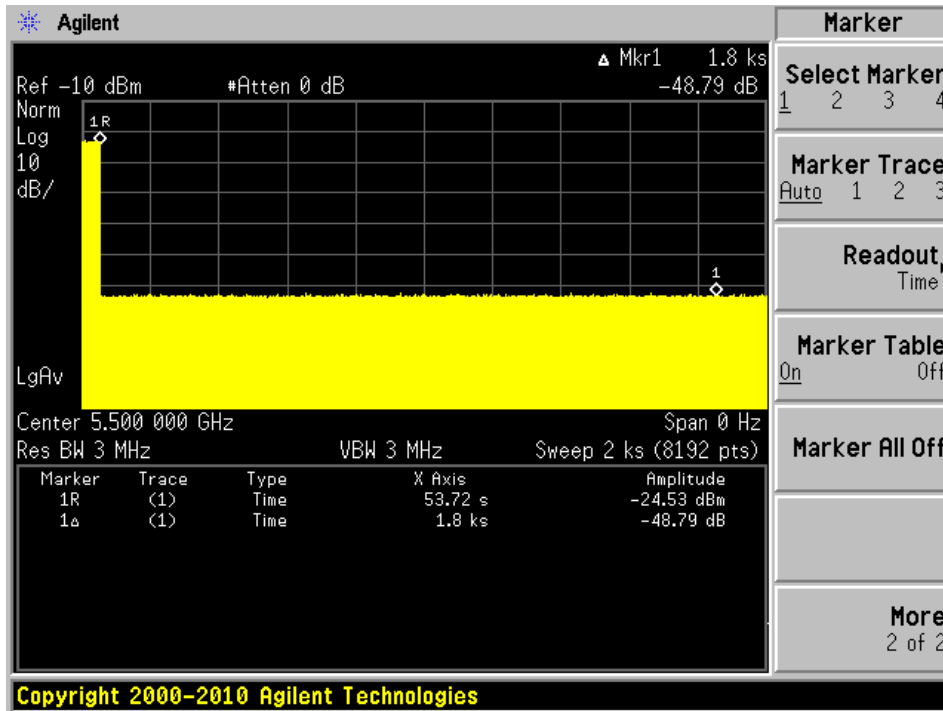
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

**Pine Radio
5570 MHz, Bandwidth 160 MHz**



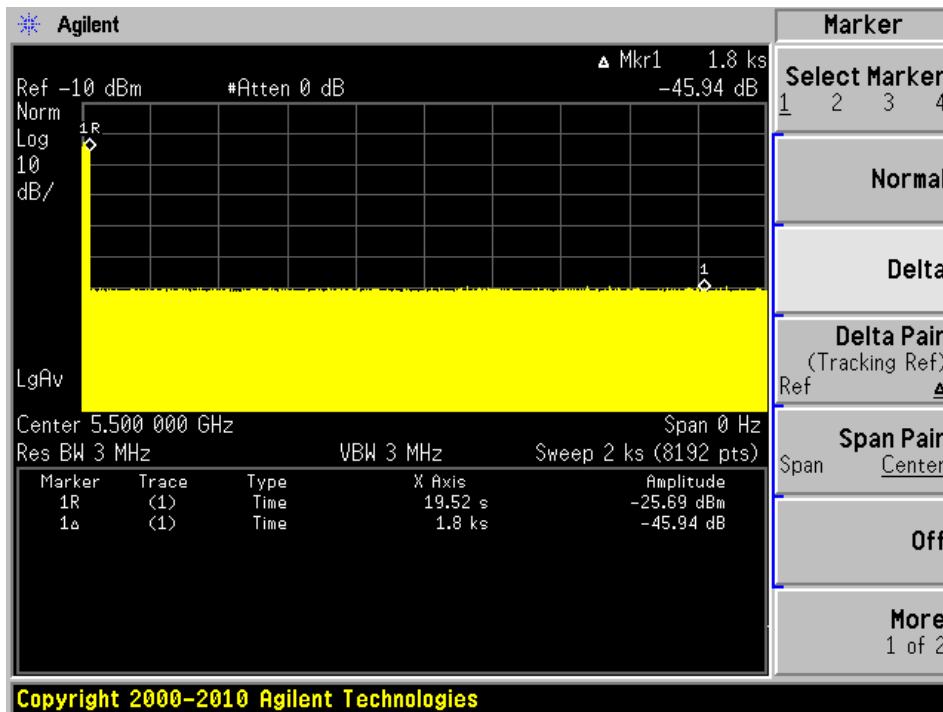
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

**P2P Mode
Iron Radio
5530 MHz, Bandwidth 80 MHz**



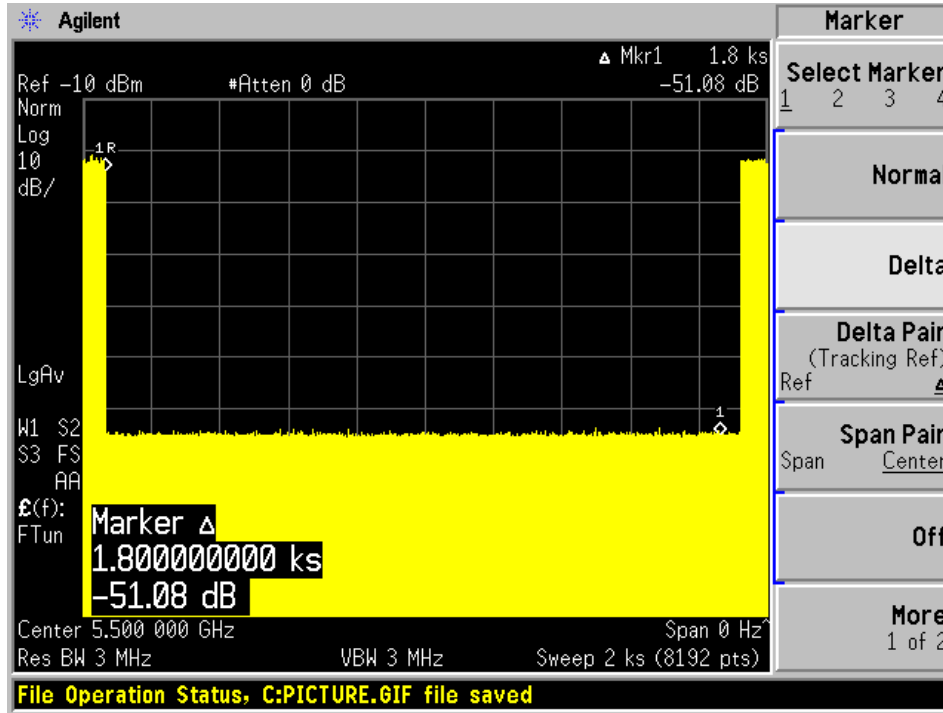
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

**Pine Radio
5570 MHz, Bandwidth 160 MHz**



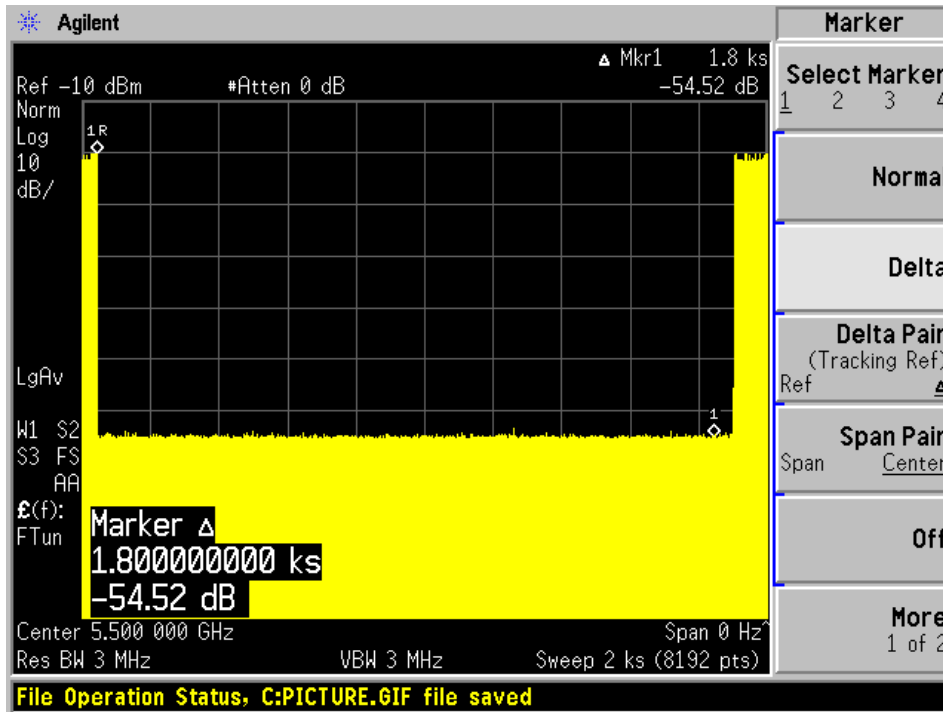
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

**P2MP Master Mode
Iron Radio
5530 MHz, Bandwidth 80 MHz**



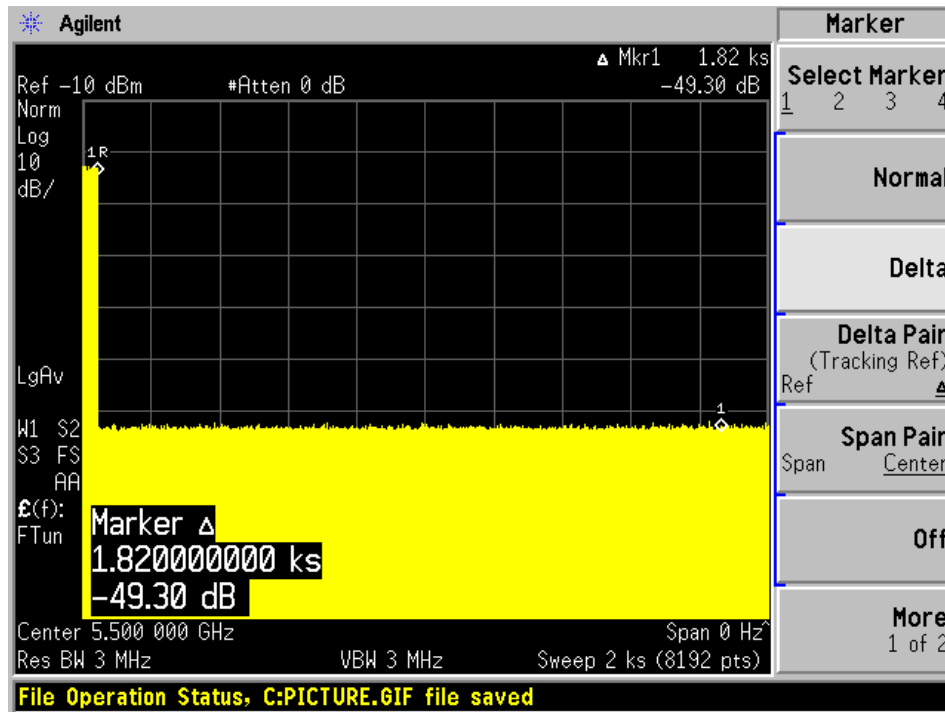
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

**Pine Radio
5570 MHz, Bandwidth 160 MHz**



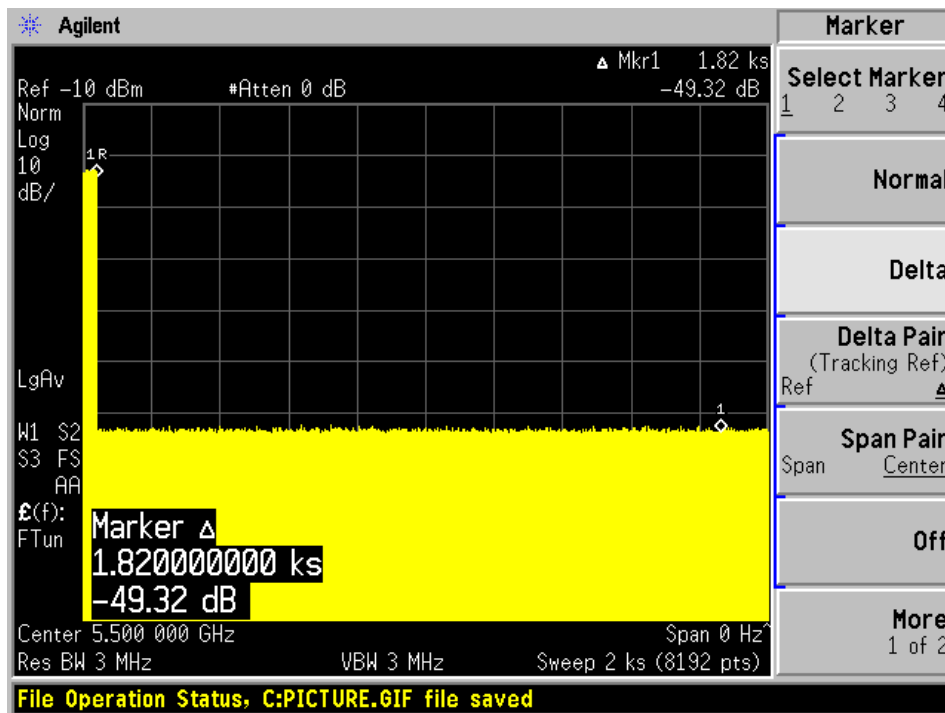
Note: 5500 MHz was monitored as it is the primary channel that contains the control signal.

P2MP Client Mode with Master Detecting Iron Radio 5530 MHz, Bandwidth 80 MHz



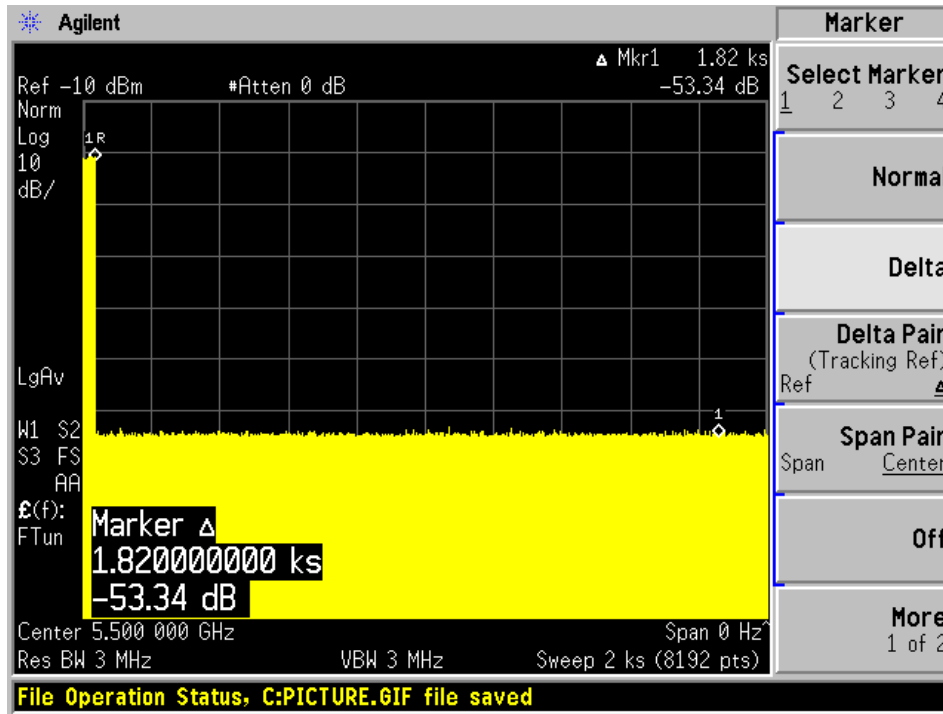
Note: 5500 MHz was tested as it is the primary channel that contains the control signal.

Pine Radio 5570 MHz, Bandwidth 160 MHz



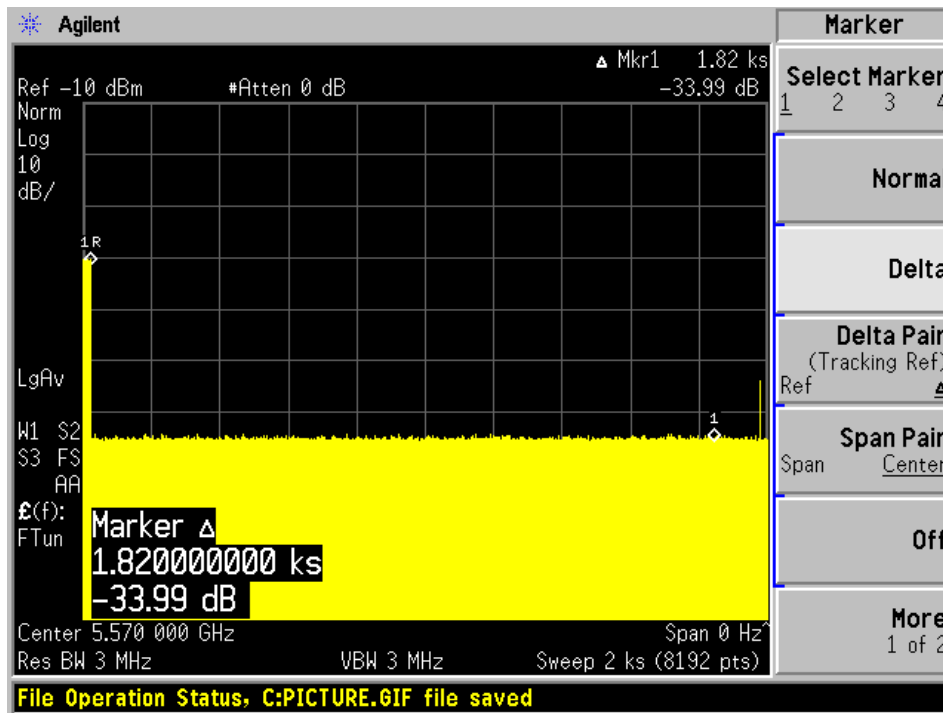
Note: 5500 MHz was tested as it is the primary channel that contains the control signal.

P2MP Client Mode with Client Detecting Iron Radio 5530 MHz, Bandwidth 80 MHz



Note: 5500 MHz was tested as it is the primary channel that contains the control signal.

Pine Radio 5570 MHz, Bandwidth 160 MHz



Note: 5500 MHz was tested as it is the primary channel that contains the control signal.

9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

Performed with any one of the short pulse radar waveforms type 0

Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as F_H) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above F_H is not required to demonstrate compliance.

Starting at the center frequency of the UUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as F_L) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below F_L is not required to demonstrate compliance.

The U-NII Detection Bandwidth is calculated as follows: U-NII Detection Bandwidth = $F_H - F_L$

Test Results

AP Mode Iron Radio

| Frequency (MHz) | F_L (MHz) | F_H (MHz) | Detection Bandwidth (MHz) | Minimum Limit | Result |
|-----------------|-------------|-------------|---------------------------|---------------|------------|
| 5500 | 5490 | 5510 | 20 | 100% | Compliance |
| 5510 | 5490 | 5530 | 40 | 100% | Compliance |
| 5530 | 5490 | 5570 | 80 | 100% | Compliance |

Pine Radio

| Frequency (MHz) | F_L (MHz) | F_H (MHz) | Detection Bandwidth (MHz) | Minimum Limit | Result |
|-----------------|-------------|-------------|---------------------------|---------------|------------|
| 5500 | 5490 | 5510 | 20 | 100% | Compliance |
| 5510 | 5490 | 5530 | 40 | 100% | Compliance |
| 5530 | 5490 | 5570 | 80 | 100% | Compliance |
| 5570 | 5490 | 5650 | 160 | 100% | Compliance |

**P2P Mode
Iron Radio**

| Frequency (MHz) | F _L (MHz) | F _H (MHz) | Detection Bandwidth (MHz) | Minimum Limit | Result |
|-----------------|----------------------|----------------------|---------------------------|---------------|------------|
| 5500 | 5490 | 5510 | 20 | 100% | Compliance |
| 5510 | 5490 | 5530 | 40 | 100% | Compliance |
| 5530 | 5490 | 5570 | 80 | 100% | Compliance |

Pine Radio

| Frequency (MHz) | F _L (MHz) | F _H (MHz) | Detection Bandwidth (MHz) | Minimum Limit | Result |
|-----------------|----------------------|----------------------|---------------------------|---------------|------------|
| 5500 | 5490 | 5510 | 20 | 100% | Compliance |
| 5510 | 5490 | 5530 | 40 | 100% | Compliance |
| 5530 | 5490 | 5570 | 80 | 100% | Compliance |
| 5570 | 5490 | 5650 | 160 | 100% | Compliance |

**P2MP Master Mode
Iron Radio**

| Frequency (MHz) | F _L (MHz) | F _H (MHz) | Detection Bandwidth (MHz) | Minimum Limit | Result |
|-----------------|----------------------|----------------------|---------------------------|---------------|------------|
| 5500 | 5490 | 5510 | 20 | 100% | Compliance |
| 5510 | 5490 | 5530 | 40 | 100% | Compliance |
| 5530 | 5490 | 5570 | 80 | 100% | Compliance |

Pine Radio

| Frequency (MHz) | F _L (MHz) | F _H (MHz) | Detection Bandwidth (MHz) | Minimum Limit | Result |
|-----------------|----------------------|----------------------|---------------------------|---------------|------------|
| 5500 | 5490 | 5510 | 20 | 100% | Compliance |
| 5510 | 5490 | 5530 | 40 | 100% | Compliance |
| 5530 | 5490 | 5570 | 79 | 100% | Compliance |
| 5570 | 5490 | 5650 | 160 | 100% | Compliance |

**P2MP Client Mode
Iron Radio**

| Frequency (MHz) | F_L (MHz) | F_H (MHz) | Detection Bandwidth (MHz) | Minimum Limit | Result |
|------------------------|----------------------------|----------------------------|----------------------------------|----------------------|---------------|
| 5500 | 5490 | 5510 | 20 | 100% | Compliance |
| 5510 | 5490 | 5530 | 40 | 100% | Compliance |
| 5530 | 5490 | 5570 | 80 | 100% | Compliance |

Pine Radio

| Frequency (MHz) | F_L (MHz) | F_H (MHz) | Detection Bandwidth (MHz) | Minimum Limit | Result |
|------------------------|----------------------------|----------------------------|----------------------------------|----------------------|---------------|
| 5500 | 5490 | 5510 | 20 | 100% | Compliance |
| 5510 | 5490 | 5530 | 40 | 100% | Compliance |
| 5530 | 5490 | 5570 | 80 | 100% | Compliance |
| 5570 | 5490 | 5650 | 158 | 100% | Compliance |

Results of Detection Bandwidth:**AP Mode
Iron Radio**

| EUT Frequency = 5500 MHz | | | | | | | | | | | |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F_H - F_L=5510-5490=20 MHz | | | | | | | | | | | |
| EUT 99% OBW = 17.68 MHz; 17.68 x 100% = 17.68 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5510 MHz | | | | | | | | | | | |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F_H - F_L=5530-5490=40 MHz | | | | | | | | | | | |
| EUT 99% OBW = 36.12 MHz; 36.12 x 100% = 36.12 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5530 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5570-5490=80 MHz | | | | | | | | | | | |
| EUT 99% OBW = 75.35 MHz; 75.35 x 100% = 75.35 MHz | | | | | | Result: | | Pass | | | |

Pine Radio

| EUT Frequency = 5500 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5510-5490=20 MHz | | | | | | | | | | | |
| EUT 99% OBW = 17.70 MHz; 17.70 x 100% = 17.70 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5510 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5530-5490=40 MHz | | | | | | | | | | | |
| EUT 99% OBW = 36.34 MHz; 36.34 x 100% = 36.34 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5530 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5570-5490=80 MHz | | | | | | | | | | | |
| EUT 99% OBW = 76.38 MHz; 76.38 x 100% = 76.38 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5570 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---------------------|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5575 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5580 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5585 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5590 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5595 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5600 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5605 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5610 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5615 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5620 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5625 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5630 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5635 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5640 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5645 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5650(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F_H – F_L=5650-5490=160 MHz | | | | | | | | | | | |
| EUT 99% OBW = 154.99 MHz; 154.99 x 100% = 154.99 MHz | | | | | | | | | | Result: Pass | |

**P2P Mode
Iron Radio**

| EUT Frequency = 5500 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5510-5490=20 MHz | | | | | | | | | | | |
| EUT 99% OBW = 15.92 MHz; 15.92 x 100% = 15.92 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5510 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5530-5490=40 MHz | | | | | | | | | | | |
| EUT 99% OBW = 36.29 MHz; 36.29 x 100% = 36.29 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5530 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _H) | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 90 % |
| Detection Bandwidth = F _H – F _L =5570-5490=80 MHz | | | | | | | | | | | |
| EUT 99% OBW = 74.63 MHz; 74.63 x 100% = 74.63 MHz | | | | | | Result: | | Pass | | | |

Pine Radio

| EUT Frequency = 5500 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5510-5490=20 MHz | | | | | | | | | | | |
| EUT 99% OBW = 15.71 MHz; 15.71 x 100% = 15.71 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5510 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5530-5490=40 MHz | | | | | | | | | | | |
| EUT 99% OBW = 36.29 MHz; 36.29 x 100% = 36.29 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5530 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5570-5490=80 MHz | | | | | | | | | | | |
| EUT 99% OBW = 74.89 MHz; 74.89 x 100% = 74.89 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5570 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---------------------|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5575 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5580 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5585 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5590 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5595 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5600 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5605 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5610 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5615 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5620 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5625 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5630 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5635 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5640 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5645 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5650(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F_H - F_L=5650-5490=160 MHz | | | | | | | | | | | |
| EUT 99% OBW = 148.96 MHz; 148.96 x 100% = 148.96 MHz | | | | | | | | | | Result: Pass | |

**P2MP Master Mode
Iron Radio**

| EUT Frequency = 5500 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5510-5490=20 MHz | | | | | | | | | | | |
| EUT 99% OBW = 18.84 MHz; 18.84 x 100% = 18.84 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5510 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5530-5490=40 MHz | | | | | | | | | | | |
| EUT 99% OBW = 37.68 MHz; 37.68 x 100% = 37.68 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5530 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5570-5490=80 MHz | | | | | | | | | | | |
| EUT 99% OBW = 75.84 MHz; 75.84 x 100% = 75.84 MHz | | | | | | Result: | | Pass | | | |

Pine Radio

| EUT Frequency = 5500 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5510-5490=20 MHz | | | | | | | | | | | |
| EUT 99% OBW = 15.57 MHz; 15.57 x 100% = 15.57 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5510 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5530-5490=40 MHz | | | | | | | | | | | |
| EUT 99% OBW = 36.34 MHz; 36.34 x 100% = 36.34 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5530 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5569(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 90 % |
| 5570 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 80 % |
| Detection Bandwidth = F _H - F _L =5569-5490=79 MHz | | | | | | | | | | | |
| EUT 99% OBW = 76.84 MHz; 76.84 x 100% = 76.84 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5570 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---------------------|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5575 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5580 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5585 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5590 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5595 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5600 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5605 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5610 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5615 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5620 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5625 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5630 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5635 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5640 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5645 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5650(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F_H - F_L = 5650 - 5490 = 160 MHz | | | | | | | | | | | |
| EUT 99% OBW = 141.35 MHz; 141.35 x 100% = 141.35 MHz | | | | | | | | | | Result: Pass | |

**P2MP Client Mode
Iron Radio**

| EUT Frequency = 5500 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5510-5490=20 MHz | | | | | | | | | | | |
| EUT 99% OBW = 16.49 MHz; 16.49 x 100% = 16.49 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5510 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _c) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5530-5490=40 MHz | | | | | | | | | | | |
| EUT 99% OBW = 36.83 MHz; 36.83 x 100% = 36.83 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5530 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5570-5490=80 MHz | | | | | | | | | | | |
| EUT 99% OBW = 76.32 MHz; 76.32 x 100% = 76.32 MHz | | | | | | Result: | | Pass | | | |

Pine Radio

| EUT Frequency = 5500 MHz | | | | | | | | | | | |
|--|---|---|---|---|---|----------------|---|------|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H – F _L =5510-5490=20 MHz | | | | | | | | | | | |
| EUT 99% OBW = 17.08 MHz; 17.08 x 100% = 17.08 MHz | | | | | | Result: | | Pass | | | |

| EUT Frequency = 5510 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5530-5490=40 MHz | | | | | | | | | | | |
| EUT 99% OBW = 36.12 MHz; 36.12 x 100% = 36.12 MHz Result: Pass | | | | | | | | | | | |

| EUT Frequency = 5530 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F _L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F _C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| Detection Bandwidth = F _H - F _L =5570-5490=80 MHz | | | | | | | | | | | |
| EUT 99% OBW = 74.30 MHz; 74.30 x 100% = 74.30 MHz Result: Pass | | | | | | | | | | | |

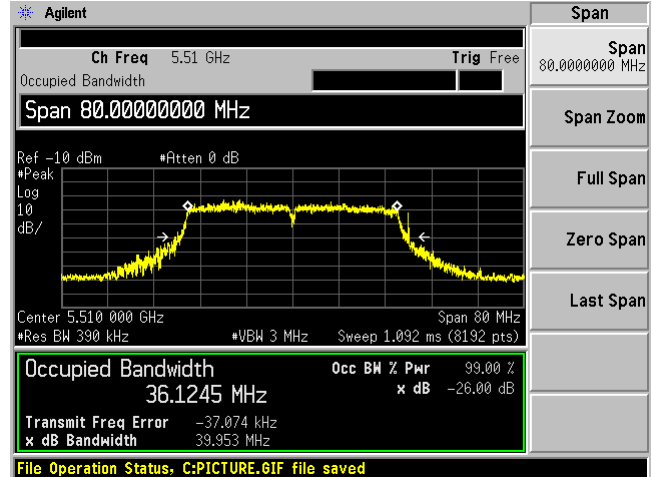
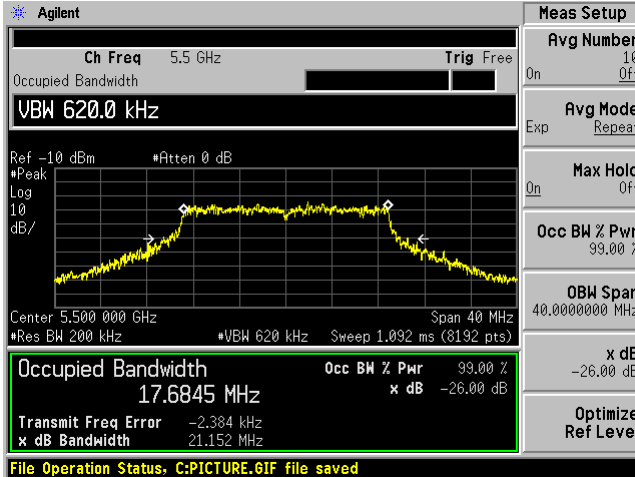
| EUT Frequency = 5570 MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| DFS Detection Trials (1 = Detected, 0 = No Detected) | | | | | | | | | | | |
| Radar Frequency (MHz) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Detection Rate (%) |
| 5490(F_L) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5495 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5510 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5515 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5525 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5530 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5535 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5540 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5550 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5560 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5565 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5570(F_C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5575 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5580 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5585 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5590 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5595 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5600 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5605 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5610 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5615 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5620 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5625 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5630 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5635 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5640 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5645 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5648(F_H) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 % |
| 5649 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 70% |
| 5650 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| Detection Bandwidth = F_H – F_L=5648-5490=158 MHz | | | | | | | | | | | |
| EUT 99% OBW =142,68 MHz; 142,68 x 100% = 142,68 MHz Result: Pass | | | | | | | | | | | |

OBW Measurement

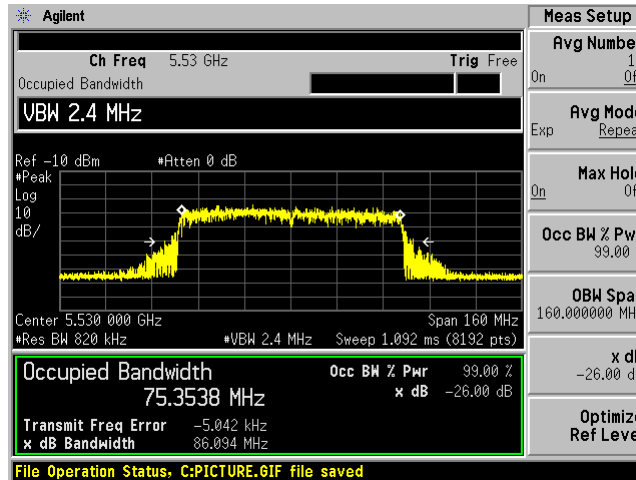
AP Mode Iron Radio

20 MHz

40 MHz

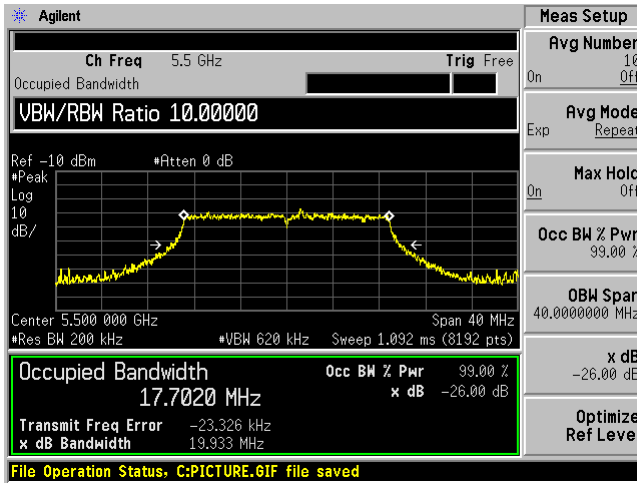


80 MHz

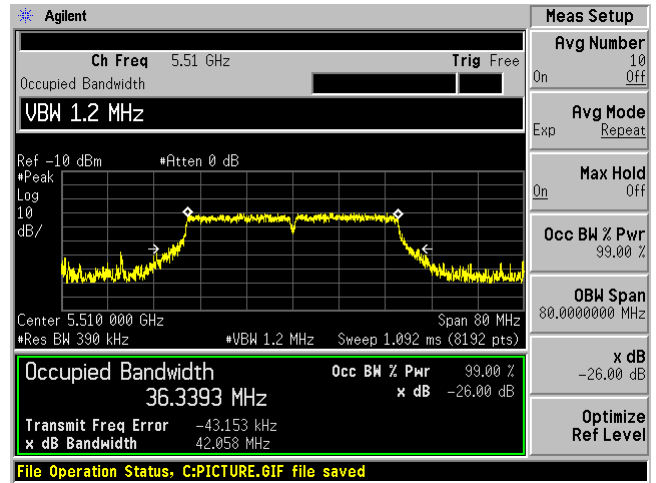


Pine Radio

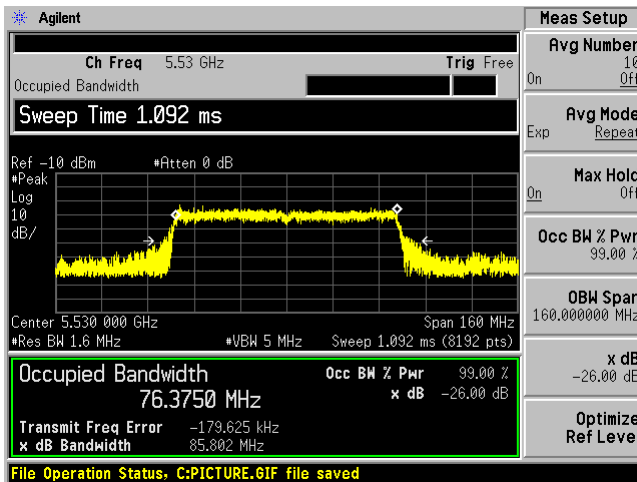
20 MHz



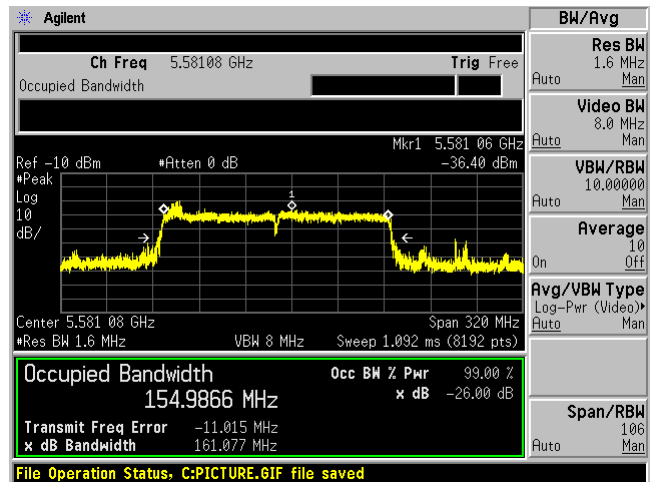
40 MHz



80 MHz



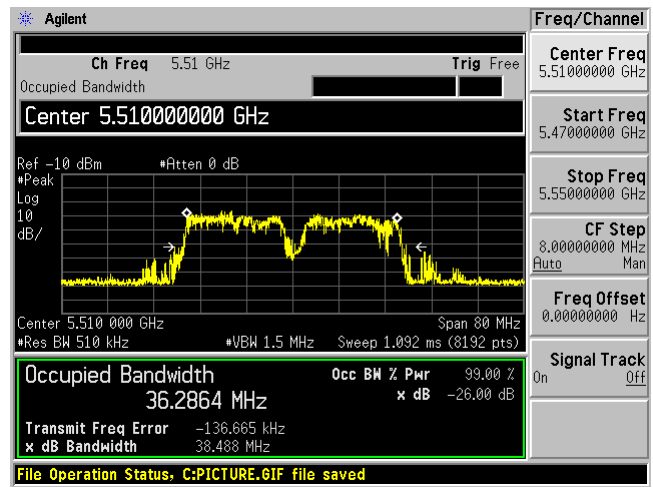
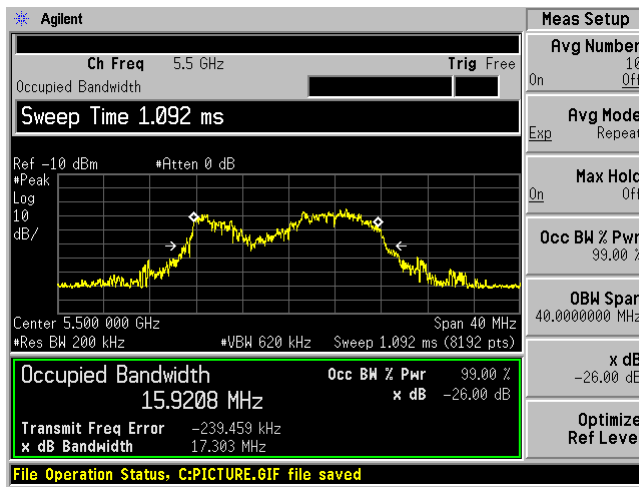
160 MHz



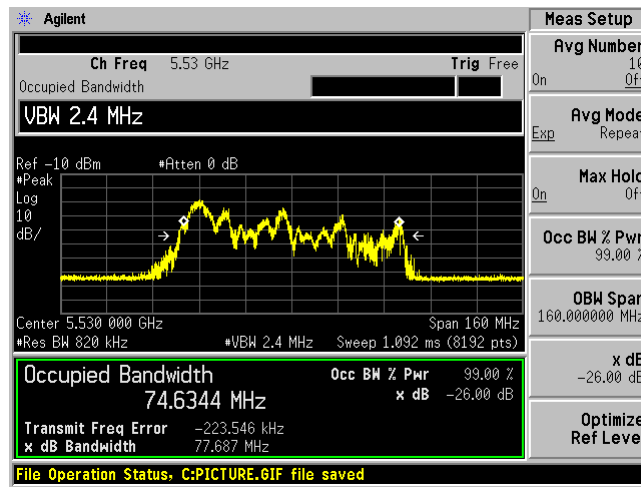
P2P Master Mode Iron Radio

20 MHz

40 MHz

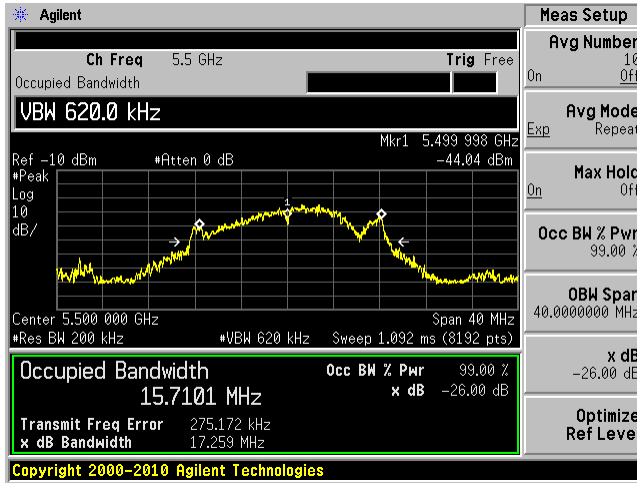


80 MHz

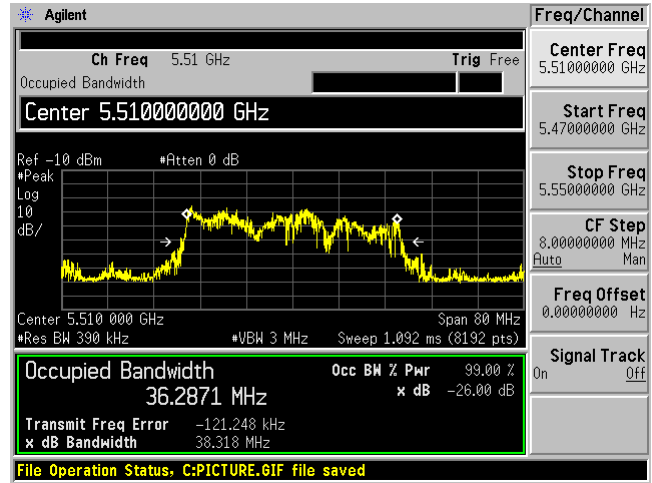


Pine Radio

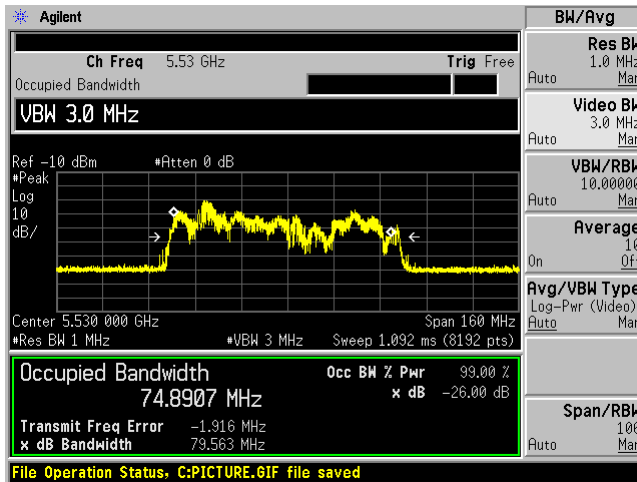
20 MHz



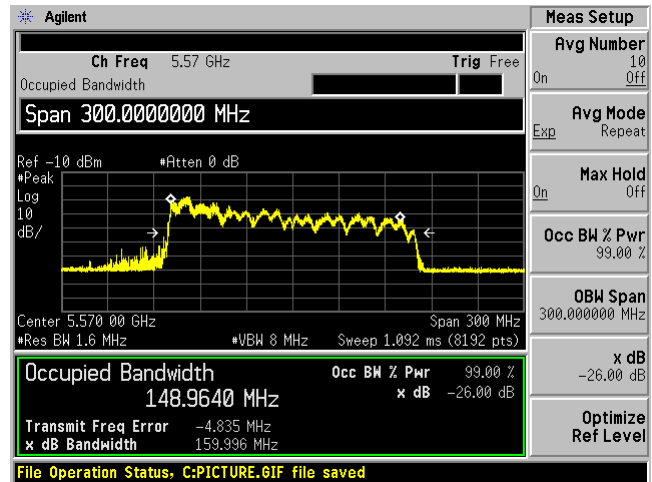
40 MHz



80 MHz



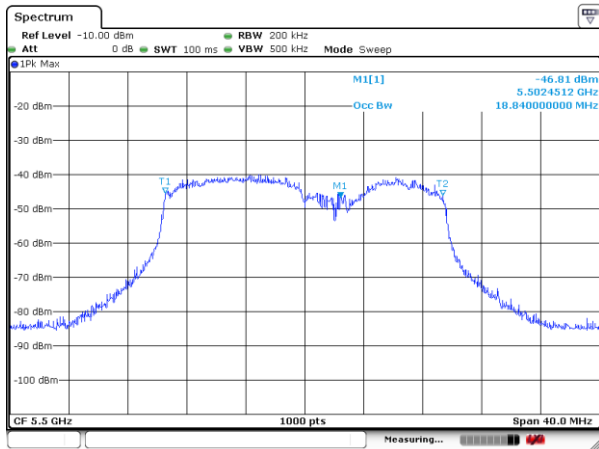
160 MHz



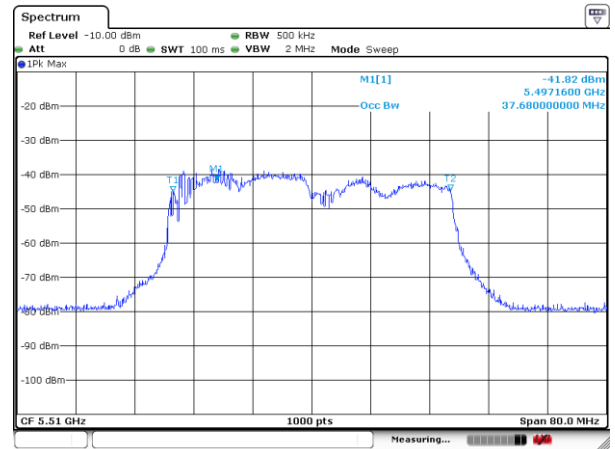
P2MP Master Mode Iron Radio

20 MHz

40 MHz

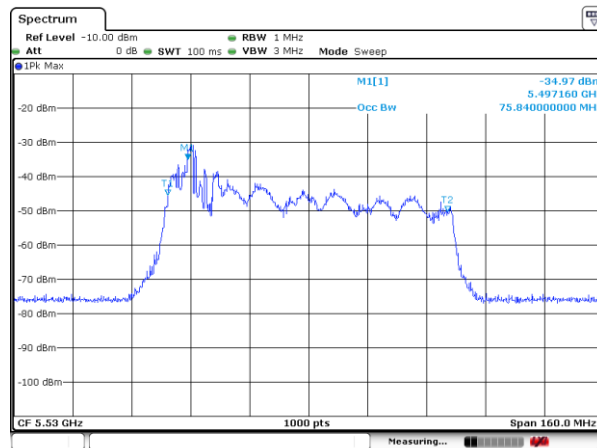


Date: 22.DEC.2022 09:02:44



Date: 22.DEC.2022 09:54:45

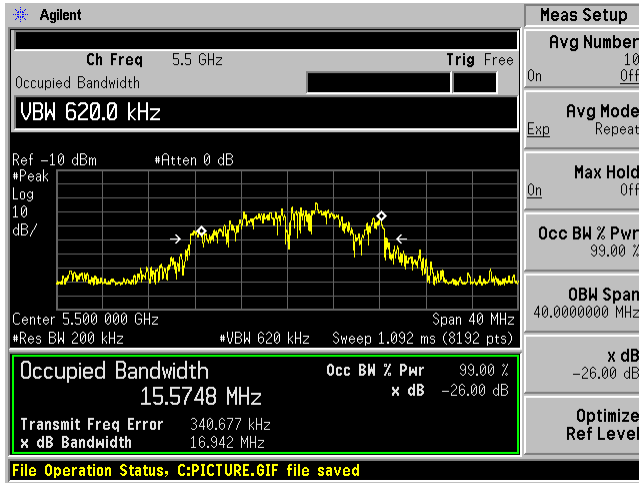
80 MHz



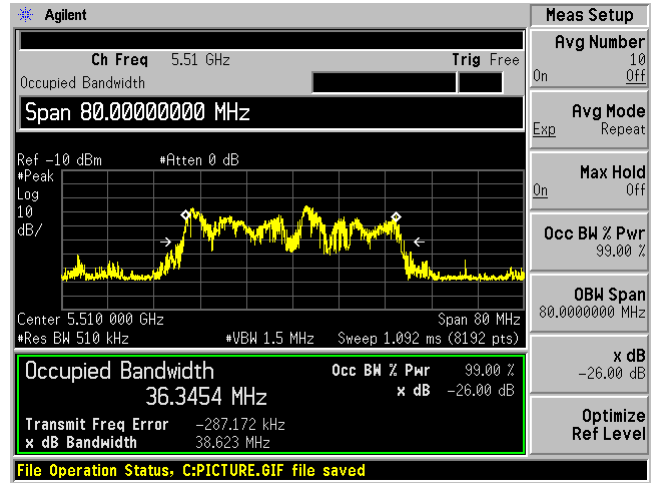
Date: 22.DEC.2022 11:05:01

Pine Radio

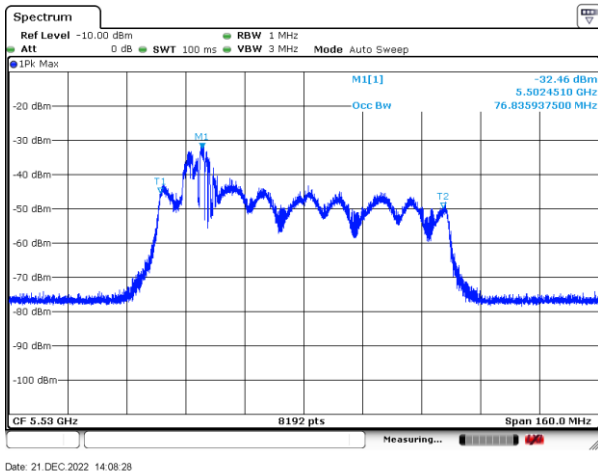
20 MHz



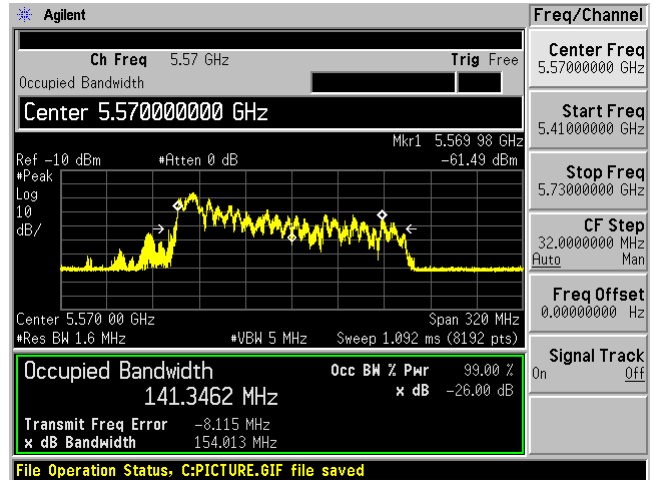
40 MHz



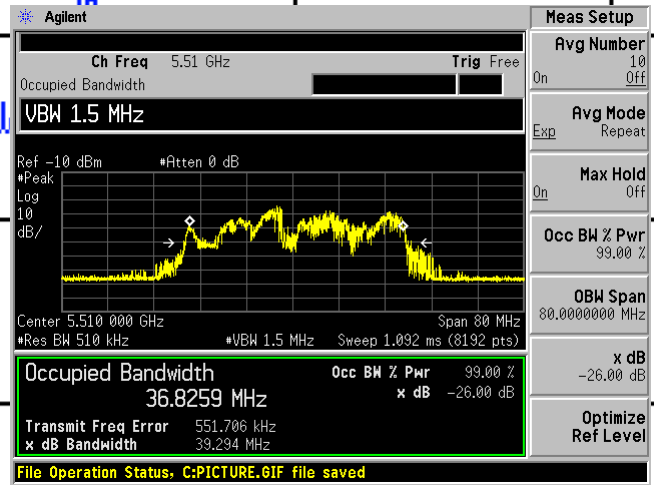
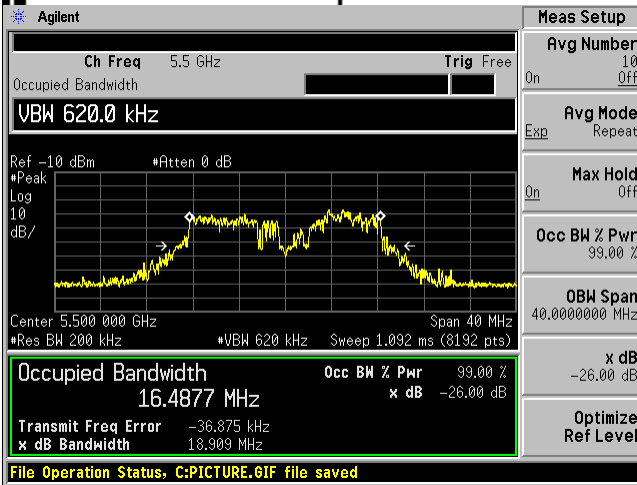
80 MHz



160 MHz

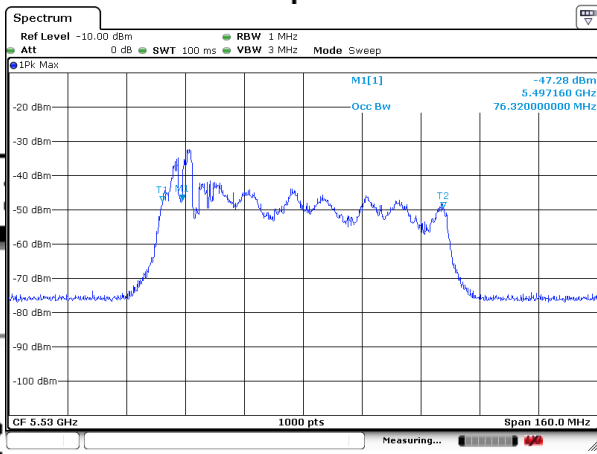


-60 dBm



-100 dBm

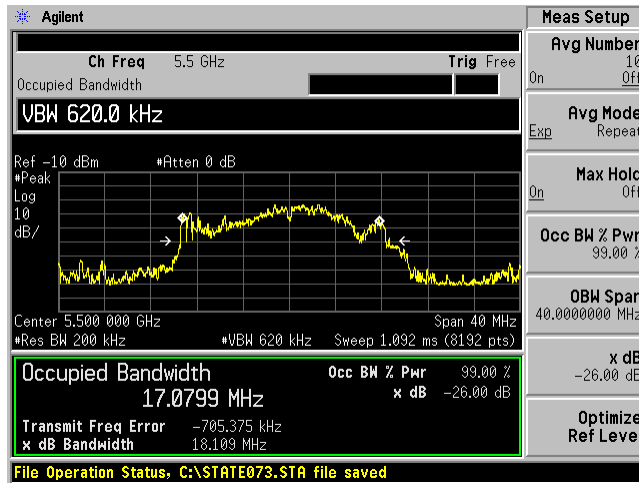
CF 5.53 GH



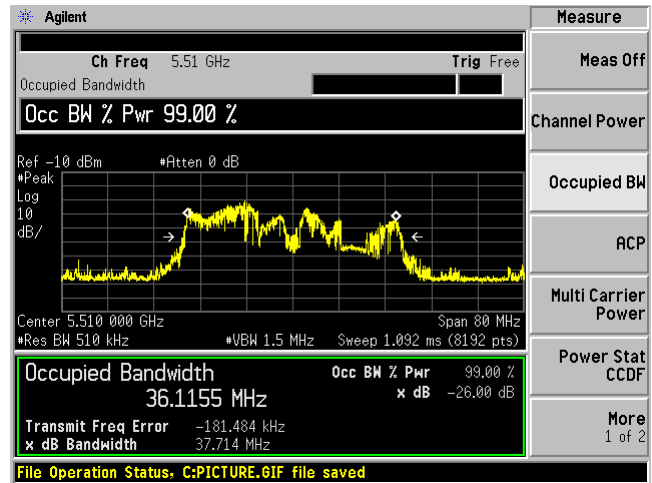
Date: 22.DEC.2022

Pine Radio

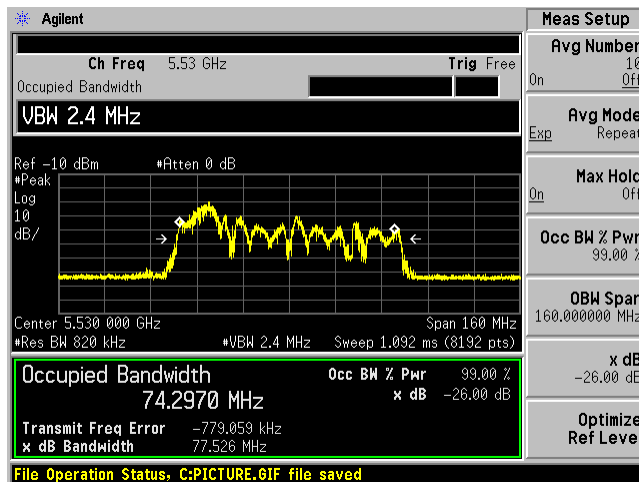
20 MHz



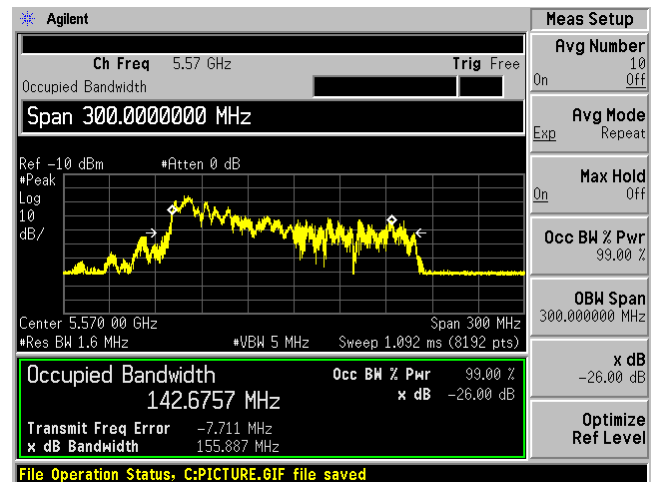
40 MHz



80 MHz



160 MHz



9.2 Radar Detection Performance Check

Procedure:

Start iperf traffic from master device to client device.

Generate radar waveform

Record whether or not the waveform was detected

At least 30 trials are applied for each radar type

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

Perform with each of the radar types 1-6

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

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

Type 5: 80%

Type 6: 70%

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

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

Test Results:

**AP Mode
Iron Radio****5500 MHz, 20 MHz Bandwidth**

| Radar Signal Type | Waveform/Trial Number | Detection (%) | Limit (%) | Pass/Fail |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| Type 1A/1B | 30 | 90 % | 60% | Pass |
| Type 2 | 30 | 83.3% | 60% | Pass |
| Type 3 | 30 | 76.7% | 60% | Pass |
| Type 4 | 30 | 76.7% | 60% | Pass |
| Aggregate (Type1 to 4) | 120 | 81.7% | 80% | Pass |
| Type 5 | 30 | 100% | 80% | Pass |
| Type 6 | 30 | 100% | 70% | Pass |

Please refer to the following statistical tables:

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|--|--------------------|--|------------------------------------|------------------------------------|
| 1 | 62 | 1.0 | 858 | 1 |
| 2 | 72 | 1.0 | 738 | 1 |
| 3 | 18 | 1.0 | 3066 | 1 |
| 4 | 65 | 1.0 | 818 | 1 |
| 5 | 102 | 1.0 | 518 | 1 |
| 6 | 92 | 1.0 | 578 | 1 |
| 7 | 63 | 1.0 | 838 | 1 |
| 8 | 67 | 1.0 | 798 | 1 |
| 9 | 70 | 1.0 | 758 | 1 |
| 10 | 86 | 1.0 | 618 | 1 |
| 11 | 99 | 1.0 | 538 | 1 |
| 12 | 81 | 1.0 | 658 | 1 |
| 13 | 89 | 1.0 | 598 | 1 |
| 14 | 76 | 1.0 | 698 | 1 |
| 15 | 83 | 1.0 | 638 | 1 |
| 16 | 37 | 1.0 | 1433 | 1 |
| 17 | 19 | 1.0 | 2834 | 1 |
| 18 | 42 | 1.0 | 1285 | 1 |
| 19 | 27 | 1.0 | 1972 | 0 |
| 20 | 19 | 1.0 | 2919 | 1 |
| 21 | 29 | 1.0 | 1820 | 1 |
| 22 | 73 | 1.0 | 726 | 1 |
| 23 | 25 | 1.0 | 2133 | 1 |
| 24 | 41 | 1.0 | 1301 | 1 |
| 25 | 43 | 1.0 | 1234 | 1 |
| 26 | 22 | 1.0 | 2461 | 0 |
| 27 | 26 | 1.0 | 2041 | 1 |
| 28 | 50 | 1.0 | 1077 | 1 |
| 29 | 19 | 1.0 | 2846 | 0 |
| 30 | 23 | 1.0 | 2394 | 1 |
| Detection Percentage: 90% (>60%) | | | | |

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 25 | 3.3 | 155 | 1 |
| 2 | 25 | 1.4 | 174 | 1 |
| 3 | 23 | 1.3 | 201 | 1 |
| 4 | 28 | 1.1 | 178 | 0 |
| 5 | 25 | 4.0 | 194 | 1 |
| 6 | 23 | 4.6 | 152 | 1 |
| 7 | 25 | 4.5 | 163 | 1 |
| 8 | 26 | 3.9 | 189 | 0 |
| 9 | 26 | 4.3 | 168 | 1 |
| 10 | 26 | 2.0 | 195 | 1 |
| 11 | 29 | 3.1 | 227 | 1 |
| 12 | 29 | 4.1 | 221 | 1 |
| 13 | 28 | 4.7 | 203 | 1 |
| 14 | 29 | 3.8 | 219 | 1 |
| 15 | 28 | 4.2 | 204 | 1 |
| 16 | 25 | 1.3 | 198 | 1 |
| 17 | 26 | 3.3 | 163 | 1 |
| 18 | 28 | 1.9 | 183 | 1 |
| 19 | 28 | 3.1 | 181 | 1 |
| 20 | 23 | 2.4 | 185 | 0 |
| 21 | 26 | 1.6 | 172 | 0 |
| 22 | 29 | 3.4 | 199 | 1 |
| 23 | 29 | 2.7 | 225 | 1 |
| 24 | 29 | 1.0 | 192 | 0 |
| 25 | 23 | 1.2 | 210 | 1 |
| 26 | 27 | 4.6 | 196 | 1 |
| 27 | 24 | 2.6 | 207 | 1 |
| 28 | 25 | 1.5 | 198 | 1 |
| 29 | 27 | 2.8 | 191 | 1 |
| 30 | 23 | 1.8 | 203 | 1 |
| Detection Percentage: 83.3 % (>60%) | | | | |

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 16 | 9.0 | 288 | 1 |
| 2 | 16 | 6.6 | 378 | 1 |
| 3 | 18 | 7.7 | 224 | 1 |
| 4 | 16 | 9.8 | 236 | 0 |
| 5 | 18 | 9.8 | 314 | 1 |
| 6 | 17 | 8.7 | 246 | 1 |
| 7 | 16 | 8.5 | 372 | 1 |
| 8 | 18 | 9.9 | 446 | 1 |
| 9 | 18 | 6.9 | 242 | 0 |
| 10 | 17 | 6.2 | 334 | 1 |
| 11 | 17 | 7.5 | 334 | 1 |
| 12 | 17 | 6.2 | 396 | 0 |
| 13 | 18 | 7.4 | 313 | 1 |
| 14 | 18 | 9.0 | 222 | 0 |
| 15 | 18 | 7.4 | 308 | 1 |
| 16 | 17 | 9.6 | 401 | 1 |
| 17 | 18 | 8.9 | 435 | 1 |
| 18 | 16 | 8.7 | 333 | 1 |
| 19 | 17 | 6.8 | 426 | 0 |
| 20 | 18 | 8.6 | 490 | 1 |
| 21 | 18 | 9.9 | 237 | 1 |
| 22 | 17 | 6.0 | 311 | 0 |
| 23 | 17 | 7.4 | 491 | 1 |
| 24 | 17 | 9.8 | 415 | 1 |
| 25 | 16 | 6.9 | 381 | 1 |
| 26 | 16 | 9.5 | 358 | 0 |
| 27 | 16 | 9.9 | 232 | 1 |
| 28 | 18 | 8.7 | 280 | 1 |
| 29 | 17 | 7.3 | 208 | 1 |
| 30 | 18 | 7.3 | 316 | 1 |
| Detection Percentage: 76.7 % (>60%) | | | | |

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 16 | 12.3 | 229 | 1 |
| 2 | 14 | 18.5 | 384 | 1 |
| 3 | 14 | 17.3 | 260 | 1 |
| 4 | 13 | 18.6 | 349 | 1 |
| 5 | 14 | 17.6 | 280 | 1 |
| 6 | 14 | 14.7 | 460 | 1 |
| 7 | 14 | 12.3 | 282 | 0 |
| 8 | 13 | 15.1 | 235 | 1 |
| 9 | 14 | 11.2 | 274 | 1 |
| 10 | 16 | 13.0 | 305 | 0 |
| 11 | 16 | 17.6 | 278 | 1 |
| 12 | 15 | 18.2 | 230 | 1 |
| 13 | 16 | 11.3 | 413 | 1 |
| 14 | 15 | 19.1 | 380 | 1 |
| 15 | 13 | 17.1 | 476 | 1 |
| 16 | 15 | 12.5 | 376 | 1 |
| 17 | 13 | 17.5 | 467 | 0 |
| 18 | 14 | 14.6 | 378 | 1 |
| 19 | 16 | 18.3 | 240 | 0 |
| 20 | 13 | 17.4 | 409 | 0 |
| 21 | 12 | 12.7 | 405 | 1 |
| 22 | 16 | 11.1 | 414 | 1 |
| 23 | 12 | 17.8 | 340 | 1 |
| 24 | 15 | 19.0 | 454 | 1 |
| 25 | 15 | 16.2 | 372 | 1 |
| 26 | 15 | 12.7 | 326 | 1 |
| 27 | 13 | 16.9 | 396 | 1 |
| 28 | 16 | 13.1 | 438 | 0 |
| 29 | 15 | 11.7 | 201 | 1 |
| 30 | 12 | 18.7 | 277 | 0 |
| Detection Percentage: 76.7 % (>60%) | | | | |

Table-5 Radar Type 5 Statistical Performance

| Trial # | Fc (MHz) | Detection (1:yes; 0:no) |
|--|-----------------|--------------------------------|
| 1 | 5500 | 1 |
| 2 | 5500 | 1 |
| 3 | 5500 | 1 |
| 4 | 5500 | 1 |
| 5 | 5500 | 1 |
| 6 | 5500 | 1 |
| 7 | 5500 | 1 |
| 8 | 5500 | 1 |
| 9 | 5500 | 1 |
| 10 | 5500 | 1 |
| 11 | 5493.9 | 1 |
| 12 | 5494.3 | 1 |
| 13 | 5499.1 | 1 |
| 14 | 5494.7 | 1 |
| 15 | 5494.7 | 1 |
| 16 | 5498.3 | 1 |
| 17 | 5495.5 | 1 |
| 18 | 5494.3 | 1 |
| 19 | 5493.9 | 1 |
| 20 | 5497.5 | 1 |
| 21 | 5500.9 | 1 |
| 22 | 5503.7 | 1 |
| 23 | 5505.7 | 1 |
| 24 | 5502.9 | 1 |
| 25 | 5503.3 | 1 |
| 26 | 5502.5 | 1 |
| 27 | 5504.9 | 1 |
| 28 | 5506.1 | 1 |
| 29 | 5505.7 | 1 |
| 30 | 5501.7 | 1 |
| Detection Percentage: 100 % (>80%) | | |

Bin5 Statistics 1

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 10 | 57.1 | 1560 | 1901 | 0.277816 | 1 |
| 1 | 2 | 10 | 64.3 | 1975 | | 1.099652 | |
| 2 | 2 | 10 | 78.1 | 1982 | | 1.640618 | |
| 3 | 3 | 10 | 77.1 | 1817 | 1270 | 2.137959 | |
| 4 | 2 | 10 | 72.3 | 1779 | | 2.689543 | |
| 5 | 3 | 10 | 56.1 | 1073 | 1067 | 3.315662 | |
| 6 | 3 | 10 | 67.0 | 1957 | 1157 | 3.972446 | |
| 7 | 3 | 10 | 82.4 | 1279 | 1235 | 4.975438 | |
| 8 | 3 | 10 | 78.5 | 1230 | 1836 | 5.635589 | |
| 9 | 1 | 10 | 99.0 | | | 6.125309 | |
| 10 | 1 | 10 | 66.6 | | | 6.399434 | |
| 11 | 3 | 10 | 71.3 | 1354 | 1176 | 6.999540 | |
| 12 | 2 | 10 | 78.8 | 1344 | | 7.997057 | |
| 13 | 2 | 10 | 74.9 | 1685 | | 8.436074 | |
| 14 | 1 | 10 | 64.0 | | | 9.142537 | |
| 15 | 1 | 10 | 73.3 | | | 10.077911 | |
| 16 | 1 | 10 | 64.2 | | | 10.525268 | |
| 17 | 3 | 10 | 76.0 | 1035 | 1020 | 10.990089 | |
| 18 | 2 | 10 | 61.1 | 1374 | | 11.516686 | |

Bin5 Statistics 2

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 14 | 69.3 | 1401 | 1607 | 0.639241 | 1 |
| 1 | 3 | 14 | 82.7 | 1481 | 1082 | 1.055966 | |
| 2 | 1 | 14 | 87.0 | | | 1.397439 | |
| 3 | 1 | 14 | 52.9 | | | 2.305240 | |
| 4 | 3 | 14 | 87.5 | 1698 | 1412 | 3.043139 | |
| 5 | 2 | 14 | 93.0 | 1314 | | 3.982065 | |
| 6 | 2 | 14 | 71.1 | 1488 | | 4.246289 | |
| 7 | 2 | 14 | 59.9 | 1222 | | 4.722570 | |
| 8 | 1 | 14 | 66.5 | | | 5.653863 | |
| 9 | 1 | 14 | 89.1 | | | 6.558761 | |
| 10 | 1 | 14 | 53.9 | | | 6.972375 | |
| 11 | 1 | 14 | 69.3 | | | 7.638288 | |
| 12 | 1 | 14 | 67.5 | | | 8.009585 | |
| 13 | 3 | 14 | 62.4 | 1996 | 1802 | 8.764495 | |
| 14 | 1 | 14 | 85.1 | | | 9.636982 | |
| 15 | 1 | 14 | 82.6 | | | 10.538639 | |
| 16 | 1 | 14 | 71.0 | | | 11.157324 | |
| 17 | 1 | 14 | 55.6 | | | 11.807090 | |

Bin5 Statistics 3

| 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 | 19 | 72.6 | 1114 | | 0.133821 | 1 |
| 1 | 3 | 19 | 60.0 | 1625 | 1153 | 1.005256 | |
| 2 | 2 | 19 | 75.3 | 1521 | | 1.799525 | |
| 3 | 2 | 19 | 63.4 | 1386 | | 3.103433 | |
| 4 | 3 | 19 | 51.2 | 1391 | 1056 | 3.278987 | |
| 5 | 1 | 19 | 62.8 | | | 4.030728 | |
| 6 | 2 | 19 | 82.1 | 1920 | | 4.899893 | |
| 7 | 2 | 19 | 83.5 | 1005 | | 6.264645 | |
| 8 | 2 | 19 | 94.8 | 1094 | | 6.927104 | |
| 9 | 3 | 19 | 52.5 | 1860 | 1316 | 7.253143 | |
| 10 | 3 | 19 | 77.0 | 1799 | 1526 | 8.070073 | |
| 11 | 2 | 19 | 77.6 | 1435 | | 9.386583 | |
| 12 | 2 | 19 | 75.3 | 1386 | | 9.670700 | |
| 13 | 3 | 19 | 68.3 | 1052 | 1090 | 10.639302 | |
| 14 | 1 | 19 | 86.4 | | | 11.563445 | |

Bin5 Statistics 4

| 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 | 10 | 85.7 | 1949 | | 0.030304 | 1 |
| 1 | 2 | 10 | 66.9 | 1769 | | 0.930960 | |
| 2 | 3 | 10 | 98.9 | 1169 | 1757 | 1.622444 | |
| 3 | 2 | 10 | 77.9 | 1187 | | 2.430780 | |
| 4 | 3 | 10 | 64.1 | 1665 | 1946 | 3.555301 | |
| 5 | 1 | 10 | 51.1 | | | 4.124290 | |
| 6 | 2 | 10 | 70.5 | 1921 | | 4.510383 | |
| 7 | 3 | 10 | 98.7 | 1489 | 1332 | 5.259298 | |
| 8 | 3 | 10 | 67.3 | 1947 | 1912 | 6.292578 | |
| 9 | 3 | 10 | 93.8 | 1117 | 1202 | 7.077838 | |
| 10 | 3 | 10 | 93.4 | 1960 | 1771 | 7.698591 | |
| 11 | 2 | 10 | 75.6 | 1688 | | 8.768959 | |
| 12 | 3 | 10 | 56.3 | 1996 | 1629 | 9.259770 | |
| 13 | 1 | 10 | 79.2 | | | 9.970740 | |
| 14 | 3 | 10 | 78.1 | 1506 | 1190 | 11.223598 | |
| 15 | 1 | 10 | 50.9 | | | 11.296094 | |

Bin5 Statistics 5

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 5 | 71.5 | 1835 | 1872 | 0.614878 | 1 |
| 1 | 2 | 5 | 89.9 | 1419 | | 2.017360 | |
| 2 | 2 | 5 | 87.1 | 1840 | | 3.201943 | |
| 3 | 1 | 5 | 50.7 | | | 4.305129 | |
| 4 | 1 | 5 | 86.9 | | | 6.078961 | |
| 5 | 1 | 5 | 58.4 | | | 6.842129 | |
| 6 | 1 | 5 | 99.6 | | | 8.901763 | |
| 7 | 1 | 5 | 74.8 | | | 10.518329 | |
| 8 | 3 | 5 | 87.2 | 1592 | 1834 | 11.297282 | |

Bin5 Statistics 6

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 7 | 62.4 | 1940 | | 0.124424 | 1 |
| 1 | 3 | 7 | 56.2 | 1483 | 1901 | 1.033912 | |
| 2 | 3 | 7 | 69.9 | 1027 | 1721 | 2.059187 | |
| 3 | 2 | 7 | 66.9 | 1727 | | 3.381178 | |
| 4 | 3 | 7 | 76.2 | 1093 | 1421 | 3.699857 | |
| 5 | 2 | 7 | 81.9 | 1604 | | 5.168305 | |
| 6 | 3 | 7 | 82.5 | 1653 | 1050 | 6.171234 | |
| 7 | 2 | 7 | 69.2 | 1232 | | 6.880693 | |
| 8 | 1 | 7 | 86.1 | | | 7.385598 | |
| 9 | 2 | 7 | 75.2 | 1171 | | 8.486742 | |
| 10 | 1 | 7 | 68.7 | | | 9.988856 | |
| 11 | 2 | 7 | 86.8 | 1800 | | 10.676857 | |
| 12 | 1 | 7 | 61.2 | | | 11.406469 | |

Bin5 Statistics 7

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 6 | 65.7 | 1504 | | 0.168546 | 1 |
| 1 | 2 | 6 | 63.3 | 1678 | | 1.552898 | |
| 2 | 2 | 6 | 98.8 | 1165 | | 3.558332 | |
| 3 | 1 | 6 | 77.7 | | | 4.059807 | |
| 4 | 2 | 6 | 80.0 | 1214 | | 5.630684 | |
| 5 | 1 | 6 | 76.4 | | | 6.654772 | |
| 6 | 2 | 6 | 79.8 | 1307 | | 8.100104 | |
| 7 | 3 | 6 | 92.9 | 1672 | 1500 | 8.833974 | |
| 8 | 3 | 6 | 60.7 | 1042 | 1232 | 10.443251 | |
| 9 | 2 | 6 | 79.4 | 1604 | | 11.887963 | |

Bin5 Statistics 8

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 11 | 51.8 | 1784 | | 0.053270 | 1 |
| 1 | 3 | 11 | 63.2 | 1959 | 1887 | 1.071222 | |
| 2 | 2 | 11 | 97.0 | 1516 | | 1.499197 | |
| 3 | 2 | 11 | 77.6 | 1816 | | 2.767156 | |
| 4 | 1 | 11 | 51.4 | | | 3.083377 | |
| 5 | 2 | 11 | 79.6 | 1362 | | 3.531648 | |
| 6 | 1 | 11 | 86.8 | | | 4.514134 | |
| 7 | 3 | 11 | 85.8 | 1035 | 1175 | 4.991637 | |
| 8 | 2 | 11 | 89.2 | 1685 | | 6.128576 | |
| 9 | 2 | 11 | 83.0 | 1513 | | 6.580843 | |
| 10 | 2 | 11 | 79.3 | 1701 | | 7.355287 | |
| 11 | 1 | 11 | 93.2 | | | 7.855959 | |
| 12 | 3 | 11 | 73.8 | 1833 | 1859 | 8.811398 | |
| 13 | 2 | 11 | 64.5 | 1149 | | 9.698883 | |
| 14 | 3 | 11 | 70.5 | 1503 | 1313 | 9.995324 | |
| 15 | 3 | 11 | 80.3 | 1933 | 1109 | 11.183370 | |
| 16 | 2 | 11 | 69.3 | 1924 | | 11.473931 | |

Bin5 Statistics 9

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 14 | 69.6 | 1557 | | 0.650816 | 1 |
| 1 | 2 | 14 | 97.0 | 1206 | | 1.915979 | |
| 2 | 2 | 14 | 53.3 | 1155 | | 3.233414 | |
| 3 | 2 | 14 | 52.0 | 1650 | | 3.762892 | |
| 4 | 1 | 14 | 71.9 | | | 5.587236 | |
| 5 | 3 | 14 | 90.4 | 1420 | 1085 | 6.342111 | |
| 6 | 3 | 14 | 78.6 | 1442 | 1338 | 7.616477 | |
| 7 | 3 | 14 | 54.1 | 1880 | 1474 | 9.517836 | |
| 8 | 3 | 14 | 50.1 | 1136 | 1346 | 9.891016 | |
| 9 | 1 | 14 | 71.2 | | | 11.584835 | |

Bin5 Statistics 10

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 11 | 86.3 | 1900 | | 0.570235 | 1 |
| 1 | 1 | 11 | 70.3 | | | 1.365946 | |
| 2 | 3 | 11 | 95.9 | 1882 | 1163 | 2.504084 | |
| 3 | 1 | 11 | 65.5 | | | 3.301595 | |
| 4 | 2 | 11 | 54.7 | 1302 | | 3.790419 | |
| 5 | 3 | 11 | 80.1 | 1683 | 1997 | 4.646384 | |
| 6 | 2 | 11 | 67.1 | 1831 | | 5.210545 | |
| 7 | 3 | 11 | 56.2 | 1733 | 1244 | 6.349513 | |
| 8 | 2 | 11 | 99.1 | 1025 | | 7.092387 | |
| 9 | 1 | 11 | 53.8 | | | 8.197979 | |
| 10 | 1 | 11 | 63.0 | | | 8.902892 | |
| 11 | 3 | 11 | 61.4 | 1839 | 1369 | 9.828982 | |
| 12 | 3 | 11 | 72.8 | 1858 | 1148 | 10.447923 | |
| 13 | 3 | 11 | 67.9 | 1077 | 1344 | 11.824720 | |

Bin5 Statistics 11

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 6 | 50.8 | | | 0.243608 | 1 |
| 1 | 2 | 6 | 68.6 | 1720 | | 1.371484 | |
| 2 | 2 | 6 | 65.8 | 1842 | | 2.920069 | |
| 3 | 3 | 6 | 70.1 | 1904 | 1556 | 4.151835 | |
| 4 | 2 | 6 | 67.8 | 1493 | | 4.911206 | |
| 5 | 1 | 6 | 76.3 | | | 6.246703 | |
| 6 | 2 | 6 | 74.3 | 1541 | | 7.371653 | |
| 7 | 1 | 6 | 60.4 | | | 7.823250 | |
| 8 | 1 | 6 | 67.0 | | | 9.608069 | |
| 9 | 2 | 6 | 97.1 | 1825 | | 10.549848 | |
| 10 | 2 | 6 | 61.9 | 1143 | | 10.990379 | |

Bin5 Statistics 12

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 7 | 66.0 | 1803 | 1233 | 0.056145 | 1 |
| 1 | 1 | 7 | 69.1 | | | 0.775286 | |
| 2 | 2 | 7 | 85.3 | 1181 | | 1.454694 | |
| 3 | 3 | 7 | 71.9 | 1928 | 1145 | 2.118053 | |
| 4 | 1 | 7 | 97.4 | | | 3.182741 | |
| 5 | 1 | 7 | 61.1 | | | 3.938054 | |
| 6 | 1 | 7 | 61.3 | | | 4.257285 | |
| 7 | 1 | 7 | 63.6 | | | 5.104976 | |
| 8 | 2 | 7 | 99.9 | 1151 | | 5.647545 | |
| 9 | 1 | 7 | 86.8 | | | 6.852330 | |
| 10 | 3 | 7 | 57.1 | 1687 | 1158 | 7.692647 | |
| 11 | 2 | 7 | 54.5 | 1760 | | 8.441177 | |
| 12 | 3 | 7 | 63.0 | 1351 | 1551 | 8.917146 | |
| 13 | 3 | 7 | 55.0 | 1021 | 1084 | 9.497792 | |
| 14 | 1 | 7 | 56.0 | | | 10.203505 | |
| 15 | 2 | 7 | 88.4 | 1968 | | 11.233942 | |
| 16 | 3 | 7 | 71.3 | 1744 | 1676 | 11.306850 | |

Bin5 Statistics 13

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 7 | 66.0 | 1803 | 1233 | 0.056145 | 1 |
| 1 | 1 | 7 | 69.1 | | | 0.775286 | |
| 2 | 2 | 7 | 85.3 | 1181 | | 1.454694 | |
| 3 | 3 | 7 | 71.9 | 1928 | 1145 | 2.118053 | |
| 4 | 1 | 7 | 97.4 | | | 3.182741 | |
| 5 | 1 | 7 | 61.1 | | | 3.938054 | |
| 6 | 1 | 7 | 61.3 | | | 4.257285 | |
| 7 | 1 | 7 | 63.6 | | | 5.104976 | |
| 8 | 2 | 7 | 99.9 | 1151 | | 5.647545 | |
| 9 | 1 | 7 | 86.8 | | | 6.852330 | |
| 10 | 3 | 7 | 57.1 | 1687 | 1158 | 7.692647 | |
| 11 | 2 | 7 | 54.5 | 1760 | | 8.441177 | |
| 12 | 3 | 7 | 63.0 | 1351 | 1551 | 8.917146 | |
| 13 | 3 | 7 | 55.0 | 1021 | 1084 | 9.497792 | |
| 14 | 1 | 7 | 56.0 | | | 10.203505 | |

Bin5 Statistics 14

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 8 | 56.2 | 1868 | 1502 | 0.585879 | 1 |
| 1 | 2 | 8 | 84.1 | 1347 | | 1.488355 | |
| 2 | 2 | 8 | 77.3 | 1879 | | 2.470526 | |
| 3 | 1 | 8 | 70.2 | | | 3.670749 | |
| 4 | 2 | 8 | 53.8 | 1452 | | 4.537568 | |
| 5 | 3 | 8 | 71.1 | 1859 | 1504 | 5.082689 | |
| 6 | 3 | 8 | 83.7 | 1221 | 1350 | 6.213477 | |
| 7 | 2 | 8 | 74.2 | 1749 | | 6.843537 | |
| 8 | 3 | 8 | 76.9 | 1163 | 1112 | 7.589384 | |
| 9 | 3 | 8 | 97.5 | 1976 | 1234 | 8.655621 | |
| 10 | 1 | 8 | 59.6 | | | 9.303729 | |
| 11 | 2 | 8 | 60.9 | 1545 | | 10.215824 | |
| 12 | 2 | 8 | 84.5 | 2000 | | 11.660944 | |

Bin5 Statistic 15

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 8 | 87.5 | | | 0.622815 | 1 |
| 1 | 1 | 8 | 67.2 | | | 1.494174 | |
| 2 | 2 | 8 | 85.7 | 1366 | | 2.384294 | |
| 3 | 2 | 8 | 89.6 | 1283 | | 3.393410 | |
| 4 | 2 | 8 | 81.3 | 1699 | | 3.897964 | |
| 5 | 3 | 8 | 63.2 | 1449 | 1216 | 4.835533 | |
| 6 | 2 | 8 | 93.1 | 1317 | | 6.215247 | |
| 7 | 2 | 8 | 77.3 | 1193 | | 7.096278 | |
| 8 | 2 | 8 | 58.0 | 1073 | | 7.952586 | |
| 9 | 3 | 8 | 65.7 | 1213 | 1296 | 8.895452 | |
| 10 | 1 | 8 | 99.8 | | | 9.970884 | |
| 11 | 2 | 8 | 76.0 | 1453 | | 10.604984 | |
| 12 | 2 | 8 | 71.1 | 1857 | | 11.336906 | |

Bin5 Statistics 16

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 17 | 76.3 | 1949 | | 0.063383 | 1 |
| 1 | 1 | 17 | 59.8 | | | 0.624278 | |
| 2 | 1 | 17 | 55.6 | | | 1.529575 | |
| 3 | 2 | 17 | 77.7 | 1144 | | 2.299491 | |
| 4 | 1 | 17 | 53.8 | | | 2.662163 | |
| 5 | 1 | 17 | 56.0 | | | 3.428918 | |
| 6 | 2 | 17 | 71.1 | 1082 | | 3.957297 | |
| 7 | 2 | 17 | 91.7 | 1539 | | 4.342358 | |
| 8 | 1 | 17 | 92.2 | | | 4.802308 | |
| 9 | 2 | 17 | 71.5 | 1665 | | 5.489741 | |
| 10 | 2 | 17 | 87.1 | 1659 | | 6.461765 | |
| 11 | 3 | 17 | 55.0 | 1574 | 1408 | 6.911787 | |
| 12 | 3 | 17 | 98.8 | 1378 | 1211 | 7.596028 | |
| 13 | 2 | 17 | 66.6 | 1600 | | 8.208736 | |
| 14 | 3 | 17 | 99.9 | 1431 | 1779 | 8.821355 | |
| 15 | 3 | 17 | 55.0 | 1210 | 1732 | 9.170489 | |
| 16 | 2 | 17 | 78.2 | 1154 | | 10.161251 | |
| 17 | 3 | 17 | 96.3 | 1977 | 1792 | 10.373644 | |
| 18 | 1 | 17 | 88.7 | | | 10.822833 | |
| 19 | 1 | 17 | 68.3 | | | 11.777061 | |

Bin5 Statistics 17

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 10 | 66.6 | 1372 | | 0.665223 | 1 |
| 1 | 2 | 10 | 85.2 | 1287 | | 0.943384 | |
| 2 | 2 | 10 | 74.5 | 1931 | | 2.038602 | |
| 3 | 3 | 10 | 71.9 | 1680 | 1732 | 2.768357 | |
| 4 | 3 | 10 | 61.8 | 1902 | 1208 | 3.125159 | |
| 5 | 2 | 10 | 61.9 | 1831 | | 3.964528 | |
| 6 | 2 | 10 | 86.6 | 1023 | | 4.755794 | |
| 7 | 1 | 10 | 76.7 | | | 5.081122 | |
| 8 | 2 | 10 | 94.8 | 1728 | | 5.843330 | |
| 9 | 2 | 10 | 51.1 | 1471 | | 6.720923 | |
| 10 | 2 | 10 | 87.2 | 1606 | | 7.519724 | |
| 11 | 2 | 10 | 50.0 | 1527 | | 7.992599 | |
| 12 | 2 | 10 | 77.4 | 1903 | | 9.083589 | |
| 13 | 2 | 10 | 74.2 | 1362 | | 9.833305 | |
| 14 | 2 | 10 | 50.8 | 1492 | | 10.422703 | |
| 15 | 2 | 10 | 56.7 | 1819 | | 10.607324 | |
| 16 | 2 | 10 | 91.5 | 1853 | | 11.323050 | |

Bin5 Statistics 18

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 7 | 56.0 | | | 0.125923 | 1 |
| 1 | 1 | 7 | 99.1 | | | 0.863244 | |
| 2 | 2 | 7 | 55.6 | 1695 | | 1.349464 | |
| 3 | 2 | 7 | 57.1 | 1216 | | 2.146226 | |
| 4 | 1 | 7 | 81.1 | | | 2.966740 | |
| 5 | 2 | 7 | 65.0 | 1431 | | 3.161405 | |
| 6 | 1 | 7 | 60.6 | | | 3.914971 | |
| 7 | 2 | 7 | 70.0 | 1180 | | 4.445991 | |
| 8 | 2 | 7 | 54.7 | 1030 | | 5.351077 | |
| 9 | 2 | 7 | 79.0 | 1935 | | 5.480377 | |
| 10 | 3 | 7 | 60.7 | 1725 | 1596 | 6.059298 | |
| 11 | 3 | 7 | 57.7 | 1775 | 1495 | 6.648724 | |
| 12 | 2 | 7 | 62.3 | 1200 | | 7.699749 | |
| 13 | 2 | 7 | 61.7 | 1495 | | 8.235705 | |
| 14 | 2 | 7 | 85.5 | 1071 | | 8.479760 | |
| 15 | 3 | 7 | 63.5 | 1112 | 1538 | 9.067614 | |
| 16 | 2 | 7 | 82.8 | 1132 | | 9.700796 | |
| 17 | 2 | 7 | 76.2 | 1874 | | 10.277058 | |
| 18 | 3 | 7 | 65.4 | 1954 | 1343 | 11.158410 | |
| 19 | 1 | 7 | 73.9 | | | 11.684637 | |

Bin5 Statistics 19

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 6 | 72.7 | 1391 | 1106 | 0.788764 | 1 |
| 1 | 2 | 6 | 57.7 | 1324 | | 1.547469 | |
| 2 | 2 | 6 | 74.8 | 1678 | | 1.741146 | |
| 3 | 1 | 6 | 87.1 | | | 3.179889 | |
| 4 | 2 | 6 | 51.4 | 1207 | | 3.754246 | |
| 5 | 3 | 6 | 59.2 | 1347 | 1448 | 4.195043 | |
| 6 | 2 | 6 | 73.8 | 1739 | | 4.944467 | |
| 7 | 2 | 6 | 92.2 | 1703 | | 6.369905 | |
| 8 | 3 | 6 | 52.0 | 1613 | 1691 | 6.597652 | |
| 9 | 2 | 6 | 91.6 | 1327 | | 7.841525 | |
| 10 | 1 | 6 | 67.8 | | | 8.756950 | |
| 11 | 1 | 6 | 81.0 | | | 9.537840 | |
| 12 | 3 | 6 | 73.5 | 1297 | 1103 | 9.905130 | |
| 13 | 3 | 6 | 93.2 | 1664 | 1567 | 10.986561 | |
| 14 | 2 | 6 | 53.1 | 1298 | | 11.397496 | |

Bin5 Statistics 20

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 15 | 71.5 | 1534 | 1642 | 0.088166 | 1 |
| 1 | 1 | 15 | 79.6 | | | 0.840210 | |
| 2 | 3 | 15 | 60.7 | 1033 | 1256 | 1.624403 | |
| 3 | 2 | 15 | 61.1 | 1847 | | 2.529952 | |
| 4 | 2 | 15 | 94.9 | 1057 | | 3.469780 | |
| 5 | 1 | 15 | 97.5 | | | 3.591819 | |
| 6 | 2 | 15 | 94.9 | 1774 | | 4.246056 | |
| 7 | 1 | 15 | 54.5 | | | 5.221310 | |
| 8 | 2 | 15 | 99.9 | 1237 | | 6.281911 | |
| 9 | 1 | 15 | 94.8 | | | 6.782037 | |
| 10 | 3 | 15 | 54.8 | 1796 | 1357 | 7.455597 | |
| 11 | 2 | 15 | 88.5 | 1939 | | 8.411559 | |
| 12 | 1 | 15 | 92.0 | | | 8.986376 | |
| 13 | 1 | 15 | 50.5 | | | 9.814124 | |
| 14 | 2 | 15 | 61.4 | 1324 | | 10.190344 | |
| 15 | 1 | 15 | 55.0 | | | 11.123791 | |
| 16 | 3 | 15 | 70.5 | 1214 | 1305 | 11.619499 | |

Bin5 Statistics 21

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 19 | 58.2 | 1452 | | 0.525942 | 1 |
| 1 | 1 | 19 | 72.1 | | | 1.391673 | |
| 2 | 2 | 19 | 51.4 | 1668 | | 2.679743 | |
| 3 | 2 | 19 | 54.9 | 1601 | | 4.277597 | |
| 4 | 1 | 19 | 54.5 | | | 4.989897 | |
| 5 | 2 | 19 | 90.9 | 1038 | | 6.113992 | |
| 6 | 2 | 19 | 87.3 | 1037 | | 6.623376 | |
| 7 | 1 | 19 | 81.7 | | | 8.508980 | |
| 8 | 2 | 19 | 99.6 | 1807 | | 9.681000 | |
| 9 | 1 | 19 | 64.9 | | | 10.569684 | |
| 10 | 2 | 19 | 59.6 | 1883 | | 11.991472 | |
| 0 | 2 | 19 | 58.2 | 1452 | | 0.525942 | |

Bin5 Statistics 22

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 12 | 61.5 | | | 0.142318 | 1 |
| 1 | 3 | 12 | 95.9 | 1431 | 1621 | 1.129871 | |
| 2 | 3 | 12 | 77.1 | 1526 | 1312 | 2.762571 | |
| 3 | 1 | 12 | 97.8 | | | 3.074906 | |
| 4 | 1 | 12 | 61.5 | | | 3.758085 | |
| 5 | 1 | 12 | 63.9 | | | 5.192329 | |
| 6 | 3 | 12 | 58.4 | 1111 | 1151 | 6.336471 | |
| 7 | 2 | 12 | 66.0 | 1718 | | 7.339361 | |
| 8 | 2 | 12 | 76.7 | 1739 | | 7.873605 | |
| 9 | 2 | 12 | 98.9 | 1889 | | 9.066212 | |
| 10 | 3 | 12 | 97.1 | 1865 | 1168 | 9.990876 | |
| 11 | 1 | 12 | 73.5 | | | 11.012081 | |
| 12 | 3 | 12 | 78.2 | 1074 | 1005 | 11.622697 | |

Bin5 Statistics 23

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 7 | 91.1 | 1242 | 1073 | 0.058093 | 1 |
| 1 | 2 | 7 | 73.7 | 1557 | | 1.457902 | |
| 2 | 2 | 7 | 50.1 | 1964 | | 1.736002 | |
| 3 | 2 | 7 | 72.3 | 1338 | | 2.324139 | |
| 4 | 2 | 7 | 82.9 | 1893 | | 3.733216 | |
| 5 | 3 | 7 | 53.4 | 1755 | 1539 | 4.210353 | |
| 6 | 2 | 7 | 64.2 | 1764 | | 4.647720 | |
| 7 | 1 | 7 | 61.9 | | | 5.913432 | |
| 8 | 2 | 7 | 63.5 | 1254 | | 6.469788 | |
| 9 | 2 | 7 | 70.6 | 1673 | | 6.763422 | |
| 10 | 1 | 7 | 86.8 | | | 7.737697 | |
| 11 | 2 | 7 | 61.1 | 1258 | | 8.575855 | |
| 12 | 3 | 7 | 56.5 | 1583 | 1629 | 9.008558 | |
| 13 | 2 | 7 | 65.8 | 1951 | | 10.347193 | |
| 14 | 1 | 7 | 76.4 | | | 10.623905 | |
| 15 | 1 | 7 | 80.6 | | | 11.444031 | |

Bin5 Statistics 24

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 14 | 91.4 | 1760 | | 0.168447 | 1 |
| 1 | 1 | 14 | 66.5 | | | 1.951712 | |
| 2 | 2 | 14 | 86.0 | 1946 | | 2.098653 | |
| 3 | 1 | 14 | 90.3 | | | 3.132260 | |
| 4 | 3 | 14 | 53.2 | 1107 | 1730 | 4.754127 | |
| 5 | 3 | 14 | 70.8 | 1245 | 1780 | 5.596817 | |
| 6 | 2 | 14 | 61.2 | 1075 | | 6.624427 | |
| 7 | 2 | 14 | 63.3 | 1881 | | 7.737274 | |
| 8 | 2 | 14 | 77.2 | 1219 | | 8.149497 | |
| 9 | 2 | 14 | 60.8 | 1442 | | 9.295262 | |
| 10 | 1 | 14 | 95.6 | | | 10.003879 | |
| 11 | 2 | 14 | 74.3 | 1662 | | 11.136261 | |

Bin5 Statistics 25

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 13 | 98.5 | | | 0.514160 | 1 |
| 1 | 1 | 13 | 83.7 | | | 0.772549 | |
| 2 | 3 | 13 | 88.4 | 1696 | 1800 | 1.463712 | |
| 3 | 2 | 13 | 78.2 | 1344 | | 2.732784 | |
| 4 | 3 | 13 | 64.1 | 1444 | 1739 | 3.303028 | |
| 5 | 1 | 13 | 74.6 | | | 3.594815 | |
| 6 | 3 | 13 | 84.9 | 1693 | 1668 | 4.471400 | |
| 7 | 1 | 13 | 69.7 | | | 5.591576 | |
| 8 | 3 | 13 | 53.4 | 1610 | 1825 | 5.900374 | |
| 9 | 2 | 13 | 74.7 | 1215 | | 6.760046 | |
| 10 | 2 | 13 | 96.7 | 1494 | | 7.480502 | |
| 11 | 1 | 13 | 91.8 | | | 7.851382 | |
| 12 | 2 | 13 | 63.8 | 1503 | | 8.920543 | |
| 13 | 2 | 13 | 70.2 | 1948 | | 9.392292 | |
| 14 | 3 | 13 | 80.7 | 1245 | 1780 | 10.470868 | |
| 15 | 2 | 13 | 59.8 | 1499 | | 11.241362 | |
| 16 | 1 | 13 | 94.0 | | | 11.984454 | |

Bin5 Statistics 26

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 15 | 58.6 | 1518 | 1471 | 0.933241 | 1 |
| 1 | 1 | 15 | 94.2 | | | 1.391790 | |
| 2 | 2 | 15 | 78.0 | 1849 | | 3.541743 | |
| 3 | 2 | 15 | 78.4 | 1823 | | 4.449790 | |
| 4 | 1 | 15 | 56.9 | | | 5.401608 | |
| 5 | 2 | 15 | 78.9 | 1070 | | 7.004430 | |
| 6 | 1 | 15 | 86.9 | | | 7.789009 | |
| 7 | 1 | 15 | 67.5 | | | 8.737345 | |
| 8 | 2 | 15 | 60.1 | 1570 | | 10.165863 | |
| 9 | 2 | 15 | 64.7 | 1542 | | 11.412291 | |

Bin5 Statistics 27

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 9 | 61.8 | 1658 | 1553 | 1.322020 | 1 |
| 1 | 2 | 9 | 95.0 | 1762 | | 2.226366 | |
| 2 | 1 | 9 | 58.1 | | | 2.982559 | |
| 3 | 3 | 9 | 50.5 | 1348 | 1197 | 4.973764 | |
| 4 | 2 | 9 | 57.8 | 1808 | | 6.521840 | |
| 5 | 2 | 9 | 70.6 | 1551 | | 7.579845 | |
| 6 | 2 | 9 | 52.5 | 1068 | | 8.619337 | |
| 7 | 2 | 9 | 58.5 | 1725 | | 9.955201 | |
| 8 | 1 | 9 | 75.5 | | | 11.393717 | |

Bin5 Statistics 28

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 6 | 91.1 | 1067 | 1799 | 0.437748 | 1 |
| 1 | 3 | 6 | 71.8 | 1062 | 1358 | 0.850714 | |
| 2 | 2 | 6 | 65.3 | 1859 | | 1.718407 | |
| 3 | 3 | 6 | 76.9 | 1089 | 1769 | 2.413545 | |
| 4 | 2 | 6 | 51.3 | 1420 | | 3.047636 | |
| 5 | 1 | 6 | 81.3 | | | 4.345845 | |
| 6 | 2 | 6 | 77.3 | 1773 | | 4.732925 | |
| 7 | 2 | 6 | 89.4 | 1964 | | 5.884625 | |
| 8 | 2 | 6 | 61.6 | 1687 | | 6.137109 | |
| 9 | 3 | 6 | 74.1 | 1971 | 1504 | 6.913830 | |
| 10 | 2 | 6 | 94.6 | 1745 | | 8.092354 | |
| 11 | 2 | 6 | 92.0 | 1787 | | 8.885548 | |
| 12 | 2 | 6 | 50.1 | 1715 | | 9.542195 | |
| 13 | 1 | 6 | 75.6 | | | 9.851792 | |
| 14 | 1 | 6 | 91.9 | | | 10.523917 | |
| 15 | 2 | 6 | 69.2 | 1744 | | 11.638465 | |

Bin5 Statistics 29

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 7 | 72.4 | | | 0.055640 | 1 |
| 1 | 3 | 7 | 88.8 | 1307 | 1880 | 0.974346 | |
| 2 | 1 | 7 | 55.0 | | | 2.025881 | |
| 3 | 2 | 7 | 84.6 | 1620 | | 2.669665 | |
| 4 | 1 | 7 | 72.1 | | | 3.348771 | |
| 5 | 2 | 7 | 61.4 | 1714 | | 4.483043 | |
| 6 | 1 | 7 | 70.2 | | | 5.165008 | |
| 7 | 3 | 7 | 56.4 | 1384 | 1070 | 6.118077 | |
| 8 | 2 | 7 | 73.4 | 1873 | | 6.557652 | |
| 9 | 2 | 7 | 55.5 | 1638 | | 7.276444 | |
| 10 | 2 | 7 | 66.3 | 1788 | | 8.602942 | |
| 11 | 2 | 7 | 52.0 | 1783 | | 9.264254 | |
| 12 | 2 | 7 | 83.7 | 1397 | | 9.775841 | |
| 13 | 2 | 7 | 52.0 | 1152 | | 10.650596 | |
| 14 | 2 | 7 | 82.6 | 1741 | | 11.961797 | |

Bin5 Statistics 30

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 17 | 60.9 | 1783 | | 0.346590 | 1 |
| 1 | 2 | 17 | 68.6 | 1945 | | 0.734099 | |
| 2 | 2 | 17 | 66.3 | 1481 | | 1.272907 | |
| 3 | 2 | 17 | 72.9 | 1824 | | 2.321414 | |
| 4 | 1 | 17 | 64.8 | | | 3.040037 | |
| 5 | 1 | 17 | 87.9 | | | 3.395568 | |
| 6 | 2 | 17 | 85.3 | 1880 | | 4.065569 | |
| 7 | 2 | 17 | 66.4 | 1082 | | 4.743651 | |
| 8 | 2 | 17 | 71.9 | 1209 | | 5.618453 | |
| 9 | 2 | 17 | 88.4 | 1730 | | 5.772933 | |
| 10 | 2 | 17 | 52.6 | 1736 | | 6.467317 | |
| 11 | 1 | 17 | 84.5 | | | 7.352838 | |
| 12 | 2 | 17 | 61.3 | 1874 | | 7.858154 | |
| 13 | 3 | 17 | 79.1 | 1298 | 1566 | 8.689720 | |
| 14 | 1 | 17 | 54.2 | | | 9.282199 | |
| 15 | 2 | 17 | 63.7 | 1505 | | 9.803465 | |
| 16 | 1 | 17 | 76.6 | | | 10.698826 | |
| 17 | 2 | 17 | 93.8 | 1817 | | 11.067248 | |
| 18 | 3 | 17 | 84.5 | 1558 | 1898 | 11.989248 | |

Table-6 Radar Type 6 Statistical Performance

| Trial # | Fc (MHz) | Pulse /Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) | Hopping Sequence |
|---------|----------|--------------|------------------|----------|-------------------------|--|
| 1 | 5500.0 | 9 | 1.0 | 333 | 1 | 5632.0, 5651.0, 5576.0, 5610.0, 5434.0, 5642.0, 5649.0, 5377.0, 5505.0, 5572.0, 5452.0, 5266.0, 5646.0, 5553.0, 5523.0, 5292.0, 5618.0, 5588.0, 5446.0, 5587.0, 5494.0, 5297.0, 5626.0, 5603.0, 5538.0, 5299.0, 5366.0, 5548.0, 5605.0, 5635.0, 5410.0, 5620.0, 5482.0, 5672.0, 5660.0, 5578.0, 5363.0, 5540.0, 5332.0, 5513.0, 5638.0, 5414.0, 5406.0, 5282.0, 5533.0, 5684.0, 5595.0, 5475.0, 5569.0, 5374.0, 5470.0, 5707.0, 5327.0, 5316.0, 5559.0, 5364.0, 5490.0, 5267.0, 5615.0, 5543.0, 5688.0, 5645.0, 5413.0, 5275.0, 5361.0, 5666.0, 5537.0, 5367.0, 5719.0, 5399.0, 5721.0, 5269.0, 5442.0, 5489.0, 5653.0, 5422.0, 5687.0, 5380.0, 5424.0, 5574.0, 5658.0, 5488.0, 5416.0, 5271.0, 5627.0, 5252.0, 5599.0, 5713.0, 5558.0, 5461.0, 5417.0, 5705.0, 5469.0, 5591.0, 5409.0, 5671.0, 5334.0, 5421.0, 5328.0, 5431.0 (number of hits: 2) |
| 2 | 5500.0 | 9 | 1.0 | 333 | 1 | 5648.0, 5462.0, 5252.0, 5257.0, 5414.0, 5606.0, 5353.0, 5432.0, 5292.0, 5673.0, 5286.0, 5341.0, 5263.0, 5714.0, 5474.0, 5282.0, 5289.0, 5451.0, 5581.0, 5691.0, 5439.0, 5378.0, 5357.0, 5722.0, 5327.0, 5649.0, 5342.0, 5488.0, 5655.0, 5539.0, 5325.0, 5464.0, 5674.0, 5390.0, 5572.0, 5584.0, 5703.0, 5279.0, 5619.0, 5713.0, 5720.0, 5523.0, 5367.0, 5684.0, 5592.0, 5254.0, 5348.0, 5300.0, 5446.0, 5319.0, 5631.0, 5374.0, 5261.0, 5360.0, 5354.0, 5613.0, 5548.0, 5598.0, 5278.0, 5499.0, 5369.0, 5570.0, 5277.0, 5471.0, 5440.0, 5520.0, 5317.0, 5496.0, 5404.0, 5526.0, 5356.0, 5387.0, 5671.0, 5614.0, 5401.0, 5616.0, 5675.0, 5615.0, 5578.0, 5381.0, 5363.0, 5352.0, 5586.0, 5678.0, 5437.0, 5512.0, 5587.0, 5478.0, 5535.0, 5711.0, 5280.0, 5677.0, 5351.0, 5569.0, 5408.0, 5309.0, 5692.0, 5700.0, 5650.0, 5541.0 (number of hits: 2) |
| 3 | 5500.0 | 9 | 1.0 | 333 | 1 | 5709.0, 5669.0, 5373.0, 5565.0, 5508.0, 5528.0, 5505.0, 5647.0, 5418.0, 5615.0, 5277.0, 5698.0, 5689.0, 5502.0, 5710.0, 5604.0, 5461.0, 5575.0, 5367.0, 5612.0, 5675.0, 5438.0, 5609.0, 5340.0, 5422.0, 5290.0, 5475.0, 5515.0, 5318.0, 5645.0, 5654.0, 5506.0, 5582.0, 5631.0, 5567.0, 5556.0, 5396.0, 5365.0, 5652.0, 5403.0, 5411.0, 5263.0, 5545.0, 5456.0, 5380.0, 5607.0, 5468.0, 5376.0, 5648.0, 5717.0, 5276.0, 5587.0, 5459.0, 5413.0, 5272.0, 5679.0, 5477.0, 5495.0, 5655.0, 5324.0, 5544.0, 5600.0, 5370.0, 5287.0, 5585.0, 5395.0, 5311.0, 5718.0, 5621.0, 5410.0 |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5714.0, 5347.0, 5282.0, 5419.0, 5281.0, 5577.0, 5424.0, 5555.0, 5285.0, 5401.0, 5690.0, 5308.0, 5414.0, 5448.0, 5697.0, 5372.0, 5634.0, 5605.0, 5303.0, 5594.0, 5254.0, 5491.0, 5628.0, 5443.0, 5472.0, 5288.0, 5404.0, 5407.0, 5305.0, 5328.0 (number of hits: 4) |
| 4 | 5500.0 | 9 | 1.0 | 333 | 1 | 5494.0, 5256.0, 5565.0, 5365.0, 5702.0, 5664.0, 5617.0, 5706.0, 5427.0, 5473.0, 5277.0, 5341.0, 5633.0, 5305.0, 5408.0, 5492.0, 5598.0, 5426.0, 5534.0, 5431.0, 5592.0, 5291.0, 5526.0, 5659.0, 5584.0, 5606.0, 5677.0, 5329.0, 5716.0, 5407.0, 5267.0, 5669.0, 5587.0, 5424.0, 5284.0, 5636.0, 5530.0, 5616.0, 5542.0, 5438.0, 5312.0, 5588.0, 5389.0, 5279.0, 5465.0, 5504.0, 5446.0, 5515.0, 5626.0, 5317.0, 5650.0, 5522.0, 5589.0, 5538.0, 5644.0, 5506.0, 5439.0, 5498.0, 5647.0, 5625.0, 5342.0, 5508.0, 5469.0, 5563.0, 5350.0, 5272.0, 5292.0, 5276.0, 5711.0, 5316.0, 5631.0, 5278.0, 5704.0, 5336.0, 5294.0, 5686.0, 5414.0, 5665.0, 5374.0, 5274.0, 5400.0, 5471.0, 5701.0, 5697.0, 5259.0, 5442.0, 5444.0, 5296.0, 5422.0, 5474.0, 5705.0, 5679.0, 5487.0, 5548.0, 5547.0, 5652.0, 5545.0, 5638.0, 5355.0, 5635.0 (number of hits: 5) |
| 5 | 5500.0 | 9 | 1.0 | 333 | 1 | 5564.0, 5342.0, 5391.0, 5430.0, 5548.0, 5290.0, 5591.0, 5424.0, 5281.0, 5528.0, 5405.0, 5627.0, 5613.0, 5312.0, 5709.0, 5359.0, 5599.0, 5645.0, 5695.0, 5268.0, 5298.0, 5259.0, 5477.0, 5467.0, 5671.0, 5361.0, 5626.0, 5629.0, 5379.0, 5491.0, 5428.0, 5521.0, 5387.0, 5348.0, 5621.0, 5501.0, 5261.0, 5701.0, 5657.0, 5687.0, 5587.0, 5693.0, 5714.0, 5677.0, 5524.0, 5335.0, 5659.0, 5465.0, 5308.0, 5368.0, 5286.0, 5297.0, 5507.0, 5488.0, 5331.0, 5527.0, 5682.0, 5314.0, 5296.0, 5343.0, 5271.0, 5529.0, 5592.0, 5623.0, 5447.0, 5545.0, 5509.0, 5473.0, 5519.0, 5669.0, 5469.0, 5670.0, 5585.0, 5634.0, 5385.0, 5431.0, 5628.0, 5674.0, 5458.0, 5588.0, 5360.0, 5618.0, 5480.0, 5295.0, 5325.0, 5636.0, 5608.0, 5553.0, 5284.0, 5275.0, 5402.0, 5283.0, 5442.0, 5617.0, 5407.0, 5596.0, 5470.0, 5593.0, 5612.0, 5370.0 (number of hits: 2) |
| 6 | 5505.0 | 9 | 1.0 | 333 | 1 | 5721.0, 5374.0, 5527.0, 5705.0, 5570.0, 5339.0, 5663.0, 5648.0, 5688.0, 5346.0, 5468.0, 5416.0, 5266.0, 5484.0, 5314.0, 5551.0, 5700.0, 5703.0, 5286.0, 5641.0, 5349.0, 5619.0, 5607.0, 5361.0, 5623.0, 5450.0, 5396.0, 5528.0, 5336.0, 5288.0, 5521.0, 5307.0, 5257.0, 5411.0, 5605.0, 5599.0, 5370.0, 5678.0, 5337.0, 5330.0, 5435.0, 5724.0, 5628.0, 5554.0, 5514.0, 5632.0, 5587.0, 5324.0, 5455.0, 5408.0, 5492.0, 5625.0, 5348.0, 5716.0, 5270.0, 5430.0, 5568.0, 5373.0, 5281.0, 5595.0 |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5615.0, 5422.0, 5333.0, 5310.0, 5345.0, 5556.0, 5679.0, 5538.0, 5375.0, 5562.0, 5470.0, 5321.0, 5417.0, 5560.0, 5303.0, 5522.0, 5691.0, 5695.0, 5567.0, 5368.0, 5606.0, 5708.0, 5263.0, 5309.0, 5674.0, 5608.0, 5261.0, 5279.0, 5653.0, 5407.0, 5479.0, 5384.0, 5426.0, 5376.0, 5380.0, 5686.0, 5697.0, 5273.0, 5575.0, 5504.0 (number of hits: 1) |
| 7 | 5505.0 | 9 | 1.0 | 333 | 1 | 5460.0, 5719.0, 5436.0, 5435.0, 5656.0, 5599.0, 5641.0, 5420.0, 5624.0, 5678.0, 5322.0, 5504.0, 5316.0, 5559.0, 5677.0, 5670.0, 5541.0, 5572.0, 5326.0, 5446.0, 5320.0, 5409.0, 5488.0, 5552.0, 5534.0, 5536.0, 5589.0, 5694.0, 5539.0, 5568.0, 5374.0, 5569.0, 5355.0, 5654.0, 5597.0, 5482.0, 5288.0, 5499.0, 5440.0, 5590.0, 5644.0, 5497.0, 5708.0, 5379.0, 5337.0, 5469.0, 5443.0, 5354.0, 5524.0, 5578.0, 5275.0, 5307.0, 5718.0, 5308.0, 5300.0, 5341.0, 5528.0, 5449.0, 5276.0, 5426.0, 5491.0, 5594.0, 5579.0, 5430.0, 5584.0, 5503.0, 5309.0, 5543.0, 5712.0, 5512.0, 5366.0, 5393.0, 5628.0, 5451.0, 5605.0, 5546.0, 5660.0, 5317.0, 5680.0, 5422.0, 5289.0, 5695.0, 5509.0, 5416.0, 5514.0, 5721.0, 5662.0, 5348.0, 5475.0, 5496.0, 5631.0, 5265.0, 5653.0, 5652.0, 5251.0, 5570.0, 5411.0, 5473.0, 5588.0, 5301.0 (number of hits: 7) |
| 8 | 5505.0 | 9 | 1.0 | 333 | 1 | 5539.0, 5490.0, 5383.0, 5332.0, 5282.0, 5429.0, 5368.0, 5268.0, 5556.0, 5661.0, 5345.0, 5364.0, 5583.0, 5361.0, 5338.0, 5589.0, 5283.0, 5585.0, 5647.0, 5542.0, 5457.0, 5562.0, 5624.0, 5620.0, 5694.0, 5369.0, 5285.0, 5458.0, 5333.0, 5261.0, 5262.0, 5688.0, 5276.0, 5275.0, 5666.0, 5462.0, 5405.0, 5571.0, 5616.0, 5533.0, 5534.0, 5537.0, 5707.0, 5473.0, 5511.0, 5609.0, 5442.0, 5394.0, 5517.0, 5553.0, 5597.0, 5272.0, 5301.0, 5500.0, 5641.0, 5628.0, 5351.0, 5546.0, 5685.0, 5705.0, 5655.0, 5698.0, 5481.0, 5381.0, 5699.0, 5686.0, 5704.0, 5684.0, 5348.0, 5524.0, 5393.0, 5291.0, 5670.0, 5296.0, 5308.0, 5408.0, 5418.0, 5309.0, 5502.0, 5355.0, 5416.0, 5692.0, 5335.0, 5461.0, 5316.0, 5602.0, 5719.0, 5340.0, 5440.0, 5667.0, 5384.0, 5557.0, 5293.0, 5422.0, 5469.0, 5400.0, 5260.0, 5326.0, 5436.0, 5512.0 (number of hits: 4) |
| 9 | 5505.0 | 9 | 1.0 | 333 | 1 | 5309.0, 5617.0, 5293.0, 5545.0, 5534.0, 5597.0, 5261.0, 5674.0, 5632.0, 5332.0, 5530.0, 5703.0, 5580.0, 5595.0, 5707.0, 5697.0, 5638.0, 5412.0, 5581.0, 5449.0, 5399.0, 5277.0, 5415.0, 5619.0, 5558.0, 5414.0, 5490.0, 5359.0, 5543.0, 5450.0, 5609.0, 5579.0, 5594.0, 5255.0, 5395.0, 5272.0, 5642.0, 5273.0, 5328.0, 5461.0, 5662.0, 5621.0, 5633.0, 5549.0, 5603.0, 5254.0, 5260.0, 5455.0, 5386.0, 5612.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5598.0, 5652.0, 5385.0, 5280.0, 5284.0, 5551.0, 5289.0, 5688.0, 5518.0, 5469.0, 5553.0, 5704.0, 5560.0, 5656.0, 5606.0, 5497.0, 5651.0, 5712.0, 5681.0, 5556.0, 5717.0, 5302.0, 5700.0, 5460.0, 5538.0, 5438.0, 5607.0, 5420.0, 5706.0, 5265.0, 5641.0, 5334.0, 5282.0, 5470.0, 5314.0, 5263.0, 5631.0, 5503.0, 5645.0, 5478.0, 5398.0, 5505.0, 5679.0, 5539.0, 5710.0, 5670.0, 5640.0, 5370.0, 5429.0, 5691.0 (number of hits: 3) |
| 10 | 5505.0 | 9 | 1.0 | 333 | 1 | 5463.0, 5593.0, 5350.0, 5518.0, 5471.0, 5294.0, 5446.0, 5711.0, 5426.0, 5475.0, 5678.0, 5335.0, 5611.0, 5592.0, 5679.0, 5589.0, 5591.0, 5722.0, 5390.0, 5375.0, 5499.0, 5563.0, 5608.0, 5418.0, 5676.0, 5295.0, 5583.0, 5568.0, 5647.0, 5511.0, 5721.0, 5662.0, 5429.0, 5690.0, 5403.0, 5531.0, 5629.0, 5543.0, 5260.0, 5488.0, 5673.0, 5302.0, 5566.0, 5541.0, 5376.0, 5358.0, 5527.0, 5565.0, 5363.0, 5655.0, 5715.0, 5699.0, 5632.0, 5641.0, 5649.0, 5365.0, 5704.0, 5440.0, 5486.0, 5396.0, 5724.0, 5307.0, 5360.0, 5442.0, 5671.0, 5604.0, 5660.0, 5487.0, 5480.0, 5616.0, 5613.0, 5331.0, 5310.0, 5628.0, 5332.0, 5700.0, 5391.0, 5349.0, 5567.0, 5273.0, 5333.0, 5356.0, 5308.0, 5576.0, 5470.0, 5437.0, 5528.0, 5493.0, 5492.0, 5653.0, 5255.0, 5540.0, 5312.0, 5284.0, 5517.0, 5723.0, 5512.0, 5557.0, 5658.0, 5343.0 (number of hits: 3) |
| 11 | 5495.0 | 9 | 1.0 | 333 | 1 | 5492.0, 5295.0, 5559.0, 5637.0, 5660.0, 5648.0, 5365.0, 5711.0, 5473.0, 5547.0, 5401.0, 5506.0, 5358.0, 5278.0, 5542.0, 5449.0, 5659.0, 5673.0, 5386.0, 5566.0, 5307.0, 5423.0, 5528.0, 5392.0, 5696.0, 5383.0, 5327.0, 5599.0, 5256.0, 5305.0, 5373.0, 5410.0, 5285.0, 5657.0, 5346.0, 5503.0, 5708.0, 5268.0, 5618.0, 5480.0, 5258.0, 5418.0, 5552.0, 5385.0, 5663.0, 5536.0, 5607.0, 5420.0, 5722.0, 5463.0, 5494.0, 5266.0, 5499.0, 5377.0, 5638.0, 5355.0, 5300.0, 5682.0, 5700.0, 5554.0, 5692.0, 5693.0, 5399.0, 5508.0, 5356.0, 5649.0, 5312.0, 5538.0, 5560.0, 5333.0, 5667.0, 5342.0, 5526.0, 5464.0, 5403.0, 5340.0, 5709.0, 5469.0, 5557.0, 5375.0, 5294.0, 5262.0, 5633.0, 5443.0, 5298.0, 5691.0, 5264.0, 5350.0, 5587.0, 5580.0, 5665.0, 5523.0, 5540.0, 5589.0, 5348.0, 5581.0, 5719.0, 5363.0, 5548.0, 5446.0 (number of hits: 4) |
| 12 | 5495.0 | 9 | 1.0 | 333 | 1 | 5304.0, 5338.0, 5344.0, 5652.0, 5607.0, 5523.0, 5284.0, 5633.0, 5670.0, 5474.0, 5610.0, 5354.0, 5478.0, 5553.0, 5300.0, 5393.0, 5616.0, 5309.0, 5396.0, 5360.0, 5544.0, 5444.0, 5348.0, 5653.0, 5450.0, 5397.0, 5608.0, 5720.0, 5415.0, 5649.0, 5543.0, 5430.0, 5567.0, 5707.0, 5549.0, 5308.0, 5314.0, 5687.0, 5433.0, 5428.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5377.0, 5689.0, 5547.0, 5352.0, 5437.0, 5316.0, 5326.0, 5647.0, 5488.0, 5477.0, 5526.0, 5515.0, 5480.0, 5431.0, 5283.0, 5565.0, 5269.0, 5512.0, 5714.0, 5281.0, 5274.0, 5472.0, 5277.0, 5629.0, 5372.0, 5546.0, 5312.0, 5295.0, 5627.0, 5697.0, 5614.0, 5618.0, 5461.0, 5595.0, 5371.0, 5446.0, 5638.0, 5539.0, 5712.0, 5285.0, 5510.0, 5434.0, 5519.0, 5290.0, 5273.0, 5704.0, 5356.0, 5410.0, 5619.0, 5578.0, 5599.0, 5471.0, 5359.0, 5537.0, 5306.0, 5588.0, 5479.0, 5708.0, 5590.0, 5639.0 (number of hits: 1) |
| 13 | 5495.0 | 9 | 1.0 | 333 | 1 | 5673.0, 5477.0, 5502.0, 5456.0, 5590.0, 5448.0, 5584.0, 5564.0, 5667.0, 5372.0, 5253.0, 5326.0, 5382.0, 5302.0, 5275.0, 5286.0, 5712.0, 5267.0, 5694.0, 5383.0, 5633.0, 5523.0, 5468.0, 5333.0, 5658.0, 5257.0, 5501.0, 5566.0, 5556.0, 5419.0, 5678.0, 5455.0, 5715.0, 5440.0, 5689.0, 5415.0, 5621.0, 5437.0, 5622.0, 5637.0, 5335.0, 5494.0, 5264.0, 5349.0, 5328.0, 5702.0, 5467.0, 5331.0, 5681.0, 5527.0, 5518.0, 5620.0, 5254.0, 5664.0, 5350.0, 5651.0, 5716.0, 5384.0, 5446.0, 5514.0, 5305.0, 5563.0, 5375.0, 5369.0, 5713.0, 5691.0, 5624.0, 5540.0, 5491.0, 5261.0, 5371.0, 5339.0, 5435.0, 5293.0, 5717.0, 5378.0, 5599.0, 5598.0, 5552.0, 5309.0, 5443.0, 5671.0, 5588.0, 5630.0, 5628.0, 5592.0, 5707.0, 5498.0, 5441.0, 5341.0, 5585.0, 5503.0, 5427.0, 5418.0, 5402.0, 5452.0, 5442.0, 5504.0, 5534.0, 5698.0 (number of hits: 6) |
| 14 | 5495.0 | 9 | 1.0 | 333 | 1 | 5397.0, 5441.0, 5461.0, 5580.0, 5331.0, 5342.0, 5560.0, 5575.0, 5319.0, 5601.0, 5460.0, 5611.0, 5517.0, 5281.0, 5485.0, 5463.0, 5705.0, 5480.0, 5491.0, 5412.0, 5578.0, 5304.0, 5251.0, 5389.0, 5255.0, 5542.0, 5390.0, 5673.0, 5562.0, 5472.0, 5522.0, 5324.0, 5554.0, 5610.0, 5501.0, 5396.0, 5406.0, 5652.0, 5348.0, 5558.0, 5589.0, 5658.0, 5505.0, 5543.0, 5322.0, 5568.0, 5429.0, 5617.0, 5280.0, 5404.0, 5647.0, 5314.0, 5635.0, 5477.0, 5262.0, 5448.0, 5623.0, 5698.0, 5270.0, 5306.0, 5533.0, 5712.0, 5465.0, 5476.0, 5423.0, 5681.0, 5468.0, 5539.0, 5290.0, 5326.0, 5398.0, 5340.0, 5446.0, 5459.0, 5403.0, 5438.0, 5633.0, 5269.0, 5301.0, 5393.0, 5499.0, 5557.0, 5357.0, 5700.0, 5284.0, 5512.0, 5569.0, 5392.0, 5451.0, 5579.0, 5443.0, 5287.0, 5564.0, 5379.0, 5353.0, 5514.0, 5626.0, 5478.0, 5527.0, 5256.0 (number of hits: 3) |
| 15 | 5495.0 | 9 | 1.0 | 333 | 1 | 5610.0, 5630.0, 5653.0, 5472.0, 5582.0, 5494.0, 5267.0, 5273.0, 5555.0, 5337.0, 5390.0, 5514.0, 5450.0, 5634.0, 5483.0, 5415.0, 5491.0, 5271.0, 5281.0, 5477.0, 5345.0, 5540.0, 5357.0, 5368.0, 5471.0, 5254.0, 5651.0, 5355.0, 5300.0, 5587.0 |

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| | | | | | | 5454.0, 5723.0, 5650.0, 5268.0, 5313.0, 5522.0, 5590.0, 5489.0, 5274.0, 5664.0, 5681.0, 5327.0, 5348.0, 5428.0, 5615.0, 5631.0, 5710.0, 5420.0, 5687.0, 5325.0, 5589.0, 5568.0, 5692.0, 5617.0, 5333.0, 5436.0, 5460.0, 5711.0, 5371.0, 5662.0, 5479.0, 5440.0, 5550.0, 5466.0, 5387.0, 5583.0, 5303.0, 5570.0, 5264.0, 5283.0, 5652.0, 5532.0, 5465.0, 5288.0, 5578.0, 5324.0, 5574.0, 5286.0, 5445.0, 5310.0, 5395.0, 5496.0, 5669.0, 5526.0, 5393.0, 5297.0, 5252.0, 5425.0, 5439.0, 5469.0, 5282.0, 5284.0, 5331.0, 5433.0, 5498.0, 5459.0, 5394.0, 5326.0, 5647.0, 5704.0 (number of hits: 5) |
| 16 | 5498.0 | 9 | 1.0 | 333 | 1 | 5588.0, 5683.0, 5548.0, 5539.0, 5265.0, 5340.0, 5446.0, 5524.0, 5557.0, 5452.0, 5473.0, 5716.0, 5444.0, 5392.0, 5296.0, 5553.0, 5252.0, 5612.0, 5337.0, 5582.0, 5262.0, 5585.0, 5411.0, 5409.0, 5504.0, 5610.0, 5600.0, 5704.0, 5721.0, 5676.0, 5556.0, 5652.0, 5358.0, 5393.0, 5470.0, 5579.0, 5686.0, 5648.0, 5421.0, 5505.0, 5359.0, 5267.0, 5460.0, 5464.0, 5353.0, 5405.0, 5449.0, 5693.0, 5385.0, 5448.0, 5571.0, 5312.0, 5715.0, 5565.0, 5584.0, 5595.0, 5525.0, 5629.0, 5723.0, 5375.0, 5684.0, 5698.0, 5617.0, 5330.0, 5366.0, 5495.0, 5333.0, 5507.0, 5506.0, 5503.0, 5602.0, 5653.0, 5713.0, 5455.0, 5468.0, 5635.0, 5577.0, 5261.0, 5538.0, 5325.0, 5485.0, 5594.0, 5624.0, 5558.0, 5373.0, 5494.0, 5562.0, 5609.0, 5544.0, 5327.0, 5708.0, 5306.0, 5259.0, 5461.0, 5601.0, 5428.0, 5288.0, 5374.0, 5425.0, 5581.0 (number of hits: 5) |
| 17 | 5498.0 | 9 | 1.0 | 333 | 1 | 5365.0, 5283.0, 5485.0, 5572.0, 5549.0, 5336.0, 5652.0, 5436.0, 5375.0, 5302.0, 5306.0, 5393.0, 5550.0, 5613.0, 5503.0, 5309.0, 5463.0, 5681.0, 5297.0, 5630.0, 5595.0, 5673.0, 5479.0, 5322.0, 5418.0, 5601.0, 5278.0, 5403.0, 5693.0, 5472.0, 5644.0, 5506.0, 5277.0, 5331.0, 5328.0, 5565.0, 5360.0, 5284.0, 5642.0, 5545.0, 5486.0, 5264.0, 5656.0, 5634.0, 5312.0, 5501.0, 5359.0, 5548.0, 5647.0, 5255.0, 5674.0, 5497.0, 5707.0, 5659.0, 5301.0, 5581.0, 5398.0, 5449.0, 5254.0, 5441.0, 5631.0, 5535.0, 5691.0, 5685.0, 5372.0, 5320.0, 5586.0, 5606.0, 5456.0, 5587.0, 5706.0, 5314.0, 5715.0, 5689.0, 5296.0, 5404.0, 5678.0, 5533.0, 5583.0, 5502.0, 5454.0, 5499.0, 5667.0, 5576.0, 5593.0, 5496.0, 5515.0, 5390.0, 5710.0, 5282.0, 5467.0, 5325.0, 5653.0, 5564.0, 5540.0, 5692.0, 5478.0, 5536.0, 5500.0, 5303.0 (number of hits: 7) |
| 18 | 5498.0 | 9 | 1.0 | 333 | 1 | 5681.0, 5636.0, 5619.0, 5364.0, 5634.0, 5506.0, 5261.0, 5266.0, 5663.0, 5508.0, 5331.0, 5711.0, 5603.0, 5334.0, 5614.0, 5379.0, 5395.0, 5543.0, 5446.0, 5360.0 |

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| | | | | | | 5279.0, 5694.0, 5425.0, 5686.0, 5587.0, 5653.0, 5512.0, 5560.0, 5556.0, 5386.0, 5703.0, 5476.0, 5657.0, 5673.0, 5573.0, 5538.0, 5529.0, 5662.0, 5689.0, 5323.0, 5545.0, 5591.0, 5698.0, 5329.0, 5454.0, 5607.0, 5290.0, 5473.0, 5337.0, 5520.0, 5310.0, 5269.0, 5263.0, 5350.0, 5251.0, 5656.0, 5477.0, 5630.0, 5423.0, 5367.0, 5393.0, 5442.0, 5330.0, 5376.0, 5651.0, 5456.0, 5705.0, 5399.0, 5294.0, 5448.0, 5583.0, 5293.0, 5620.0, 5582.0, 5555.0, 5539.0, 5606.0, 5641.0, 5258.0, 5396.0, 5374.0, 5346.0, 5472.0, 5654.0, 5417.0, 5381.0, 5699.0, 5421.0, 5315.0, 5303.0, 5669.0, 5406.0, 5320.0, 5596.0, 5710.0, 5427.0, 5544.0, 5599.0, 5404.0, 5492.0 (number of hits: 1) |
| 19 | 5498.0 | 9 | 1.0 | 333 | 1 | 5596.0, 5380.0, 5491.0, 5251.0, 5332.0, 5529.0, 5607.0, 5378.0, 5606.0, 5657.0, 5302.0, 5675.0, 5638.0, 5427.0, 5604.0, 5311.0, 5682.0, 5260.0, 5397.0, 5365.0, 5680.0, 5382.0, 5618.0, 5413.0, 5490.0, 5676.0, 5468.0, 5417.0, 5614.0, 5591.0, 5551.0, 5573.0, 5326.0, 5258.0, 5273.0, 5684.0, 5615.0, 5673.0, 5305.0, 5282.0, 5433.0, 5292.0, 5284.0, 5252.0, 5710.0, 5535.0, 5691.0, 5454.0, 5569.0, 5390.0, 5339.0, 5300.0, 5534.0, 5520.0, 5345.0, 5447.0, 5250.0, 5358.0, 5653.0, 5420.0, 5414.0, 5257.0, 5341.0, 5613.0, 5647.0, 5469.0, 5581.0, 5557.0, 5457.0, 5681.0, 5554.0, 5290.0, 5525.0, 5649.0, 5537.0, 5444.0, 5559.0, 5312.0, 5351.0, 5336.0, 5360.0, 5463.0, 5467.0, 5297.0, 5628.0, 5318.0, 5398.0, 5484.0, 5544.0, 5575.0, 5280.0, 5660.0, 5434.0, 5366.0, 5629.0, 5561.0, 5375.0, 5552.0, 5481.0, 5600.0 (number of hits: 2) |
| 20 | 5498.0 | 9 | 1.0 | 333 | 1 | 5685.0, 5256.0, 5544.0, 5437.0, 5576.0, 5366.0, 5432.0, 5450.0, 5656.0, 5474.0, 5297.0, 5517.0, 5481.0, 5626.0, 5622.0, 5385.0, 5470.0, 5645.0, 5543.0, 5355.0, 5657.0, 5640.0, 5435.0, 5258.0, 5465.0, 5446.0, 5616.0, 5472.0, 5269.0, 5664.0, 5458.0, 5374.0, 5579.0, 5589.0, 5502.0, 5293.0, 5418.0, 5266.0, 5444.0, 5693.0, 5341.0, 5311.0, 5555.0, 5689.0, 5286.0, 5583.0, 5697.0, 5686.0, 5334.0, 5680.0, 5484.0, 5545.0, 5425.0, 5325.0, 5599.0, 5534.0, 5719.0, 5699.0, 5541.0, 5567.0, 5365.0, 5572.0, 5700.0, 5624.0, 5294.0, 5276.0, 5364.0, 5340.0, 5505.0, 5507.0, 5501.0, 5504.0, 5335.0, 5414.0, 5408.0, 5291.0, 5426.0, 5333.0, 5315.0, 5575.0, 5641.0, 5423.0, 5647.0, 5654.0, 5625.0, 5596.0, 5354.0, 5529.0, 5401.0, 5362.0, 5611.0, 5382.0, 5390.0, 5251.0, 5376.0, 5671.0, 5580.0, 5282.0, 5253.0, 5674.0 (number of hits: 4) |
| 21 | 5502.0 | 9 | 1.0 | 333 | 1 | 5313.0, 5497.0, 5274.0, 5352.0, 5415.0, 5646.0, 5341.0, 5542.0, 5651.0, 5455.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5566.0, 5317.0, 5434.0, 5393.0, 5344.0, 5266.0, 5318.0, 5436.0, 5585.0, 5324.0, 5309.0, 5258.0, 5486.0, 5702.0, 5537.0, 5519.0, 5710.0, 5262.0, 5281.0, 5541.0, 5698.0, 5419.0, 5586.0, 5487.0, 5623.0, 5539.0, 5357.0, 5553.0, 5576.0, 5348.0, 5424.0, 5488.0, 5296.0, 5555.0, 5484.0, 5643.0, 5464.0, 5689.0, 5458.0, 5431.0, 5690.0, 5662.0, 5410.0, 5378.0, 5716.0, 5261.0, 5412.0, 5691.0, 5467.0, 5571.0, 5503.0, 5389.0, 5260.0, 5614.0, 5264.0, 5489.0, 5327.0, 5622.0, 5449.0, 5473.0, 5515.0, 5257.0, 5667.0, 5406.0, 5286.0, 5303.0, 5495.0, 5366.0, 5276.0, 5404.0, 5565.0, 5660.0, 5602.0, 5720.0, 5630.0, 5306.0, 5634.0, 5591.0, 5421.0, 5706.0, 5470.0, 5462.0, 5713.0, 5447.0, 5465.0, 5308.0, 5490.0, 5445.0, 5578.0, 5482.0 (number of hits: 3) |
| 22 | 5502.0 | 9 | 1.0 | 333 | 1 | 5549.0, 5474.0, 5615.0, 5288.0, 5691.0, 5552.0, 5359.0, 5688.0, 5623.0, 5614.0, 5631.0, 5641.0, 5362.0, 5561.0, 5325.0, 5454.0, 5542.0, 5350.0, 5716.0, 5592.0, 5683.0, 5416.0, 5514.0, 5332.0, 5462.0, 5314.0, 5509.0, 5570.0, 5329.0, 5438.0, 5612.0, 5376.0, 5581.0, 5604.0, 5490.0, 5723.0, 5301.0, 5617.0, 5523.0, 5420.0, 5261.0, 5344.0, 5682.0, 5484.0, 5367.0, 5264.0, 5546.0, 5531.0, 5535.0, 5481.0, 5394.0, 5515.0, 5418.0, 5502.0, 5464.0, 5600.0, 5536.0, 5370.0, 5500.0, 5471.0, 5259.0, 5358.0, 5389.0, 5712.0, 5303.0, 5461.0, 5672.0, 5551.0, 5322.0, 5492.0, 5724.0, 5684.0, 5353.0, 5381.0, 5658.0, 5706.0, 5473.0, 5624.0, 5711.0, 5687.0, 5293.0, 5260.0, 5439.0, 5714.0, 5262.0, 5713.0, 5622.0, 5377.0, 5708.0, 5544.0, 5430.0, 5697.0, 5341.0, 5486.0, 5591.0, 5410.0, 5710.0, 5254.0, 5640.0, 5402.0 (number of hits: 3) |
| 23 | 5502.0 | 9 | 1.0 | 333 | 1 | 5440.0, 5495.0, 5489.0, 5714.0, 5544.0, 5304.0, 5661.0, 5632.0, 5583.0, 5262.0, 5480.0, 5253.0, 5509.0, 5577.0, 5678.0, 5698.0, 5437.0, 5324.0, 5287.0, 5504.0, 5377.0, 5662.0, 5568.0, 5337.0, 5566.0, 5519.0, 5638.0, 5552.0, 5488.0, 5500.0, 5620.0, 5357.0, 5578.0, 5472.0, 5533.0, 5589.0, 5378.0, 5546.0, 5407.0, 5349.0, 5537.0, 5668.0, 5419.0, 5359.0, 5453.0, 5520.0, 5439.0, 5250.0, 5571.0, 5581.0, 5458.0, 5296.0, 5513.0, 5449.0, 5606.0, 5548.0, 5412.0, 5457.0, 5542.0, 5701.0, 5645.0, 5302.0, 5682.0, 5446.0, 5685.0, 5576.0, 5713.0, 5675.0, 5424.0, 5443.0, 5325.0, 5599.0, 5561.0, 5555.0, 5639.0, 5557.0, 5354.0, 5491.0, 5647.0, 5471.0, 5373.0, 5395.0, 5380.0, 5527.0, 5641.0, 5473.0, 5479.0, 5562.0, 5664.0, 5637.0, 5482.0, 5255.0, 5408.0, 5300.0, 5485.0, 5390.0, 5374.0, 5444.0, 5586.0, 5666.0 (number of hits: 4) |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| 24 | 5502.0 | 9 | 1.0 | 333 | 1 | 5347.0, 5444.0, 5335.0, 5442.0, 5577.0, 5482.0, 5415.0, 5700.0, 5325.0, 5561.0, 5645.0, 5651.0, 5674.0, 5632.0, 5677.0, 5336.0, 5704.0, 5486.0, 5509.0, 5296.0, 5372.0, 5268.0, 5381.0, 5576.0, 5388.0, 5436.0, 5659.0, 5332.0, 5430.0, 5546.0, 5656.0, 5684.0, 5654.0, 5666.0, 5495.0, 5485.0, 5258.0, 5404.0, 5568.0, 5532.0, 5330.0, 5354.0, 5406.0, 5481.0, 5429.0, 5367.0, 5333.0, 5689.0, 5555.0, 5443.0, 5399.0, 5518.0, 5383.0, 5709.0, 5339.0, 5690.0, 5528.0, 5496.0, 5334.0, 5273.0, 5587.0, 5641.0, 5329.0, 5454.0, 5676.0, 5310.0, 5545.0, 5348.0, 5702.0, 5445.0, 5302.0, 5451.0, 5699.0, 5353.0, 5562.0, 5320.0, 5446.0, 5377.0, 5693.0, 5278.0, 5269.0, 5611.0, 5361.0, 5574.0, 5572.0, 5287.0, 5691.0, 5560.0, 5453.0, 5591.0, 5715.0, 5670.0, 5625.0, 5371.0, 5290.0, 5531.0, 5640.0, 5605.0, 5630.0, 5448.0 (number of hits: 3) |
| 25 | 5502.0 | 9 | 1.0 | 333 | 1 | 5580.0, 5682.0, 5705.0, 5448.0, 5261.0, 5506.0, 5578.0, 5612.0, 5450.0, 5676.0, 5547.0, 5553.0, 5545.0, 5257.0, 5694.0, 5678.0, 5544.0, 5287.0, 5352.0, 5322.0, 5389.0, 5557.0, 5297.0, 5704.0, 5529.0, 5720.0, 5315.0, 5417.0, 5688.0, 5430.0, 5310.0, 5420.0, 5628.0, 5460.0, 5706.0, 5362.0, 5360.0, 5520.0, 5677.0, 5644.0, 5332.0, 5476.0, 5610.0, 5425.0, 5445.0, 5655.0, 5640.0, 5378.0, 5376.0, 5709.0, 5407.0, 5410.0, 5617.0, 5702.0, 5268.0, 5307.0, 5538.0, 5500.0, 5323.0, 5492.0, 5298.0, 5724.0, 5331.0, 5713.0, 5301.0, 5687.0, 5684.0, 5707.0, 5262.0, 5611.0, 5518.0, 5447.0, 5379.0, 5340.0, 5622.0, 5695.0, 5499.0, 5319.0, 5517.0, 5368.0, 5701.0, 5504.0, 5405.0, 5380.0, 5414.0, 5505.0, 5521.0, 5278.0, 5299.0, 5453.0, 5710.0, 5267.0, 5639.0, 5670.0, 5570.0, 5592.0, 5511.0, 5272.0, 5463.0, 5653.0 (number of hits: 5) |
| 26 | 5507.0 | 9 | 1.0 | 333 | 1 | 5698.0, 5642.0, 5511.0, 5469.0, 5497.0, 5263.0, 5532.0, 5424.0, 5363.0, 5442.0, 5481.0, 5568.0, 5275.0, 5373.0, 5616.0, 5396.0, 5394.0, 5378.0, 5705.0, 5668.0, 5609.0, 5282.0, 5585.0, 5590.0, 5540.0, 5487.0, 5338.0, 5444.0, 5683.0, 5512.0, 5612.0, 5689.0, 5367.0, 5619.0, 5314.0, 5492.0, 5505.0, 5572.0, 5604.0, 5393.0, 5610.0, 5287.0, 5302.0, 5468.0, 5426.0, 5484.0, 5549.0, 5279.0, 5490.0, 5702.0, 5717.0, 5685.0, 5389.0, 5329.0, 5544.0, 5478.0, 5605.0, 5503.0, 5374.0, 5508.0, 5461.0, 5328.0, 5476.0, 5652.0, 5421.0, 5552.0, 5633.0, 5339.0, 5621.0, 5643.0, 5361.0, 5627.0, 5561.0, 5639.0, 5357.0, 5587.0, 5343.0, 5591.0, 5542.0, 5311.0, 5440.0, 5624.0, 5368.0, 5419.0, 5353.0, 5546.0, 5588.0, 5486.0, 5713.0, 5457.0, 5411.0, 5691.0, 5539.0, 5455.0, 5667.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5513.0, 5458.0, 5496.0, 5395.0, 5582.0 (number of hits: 6) |
| 27 | 5507.0 | 9 | 1.0 | 333 | 1 | 5288.0, 5497.0, 5453.0, 5418.0, 5255.0, 5568.0, 5670.0, 5263.0, 5492.0, 5687.0, 5436.0, 5722.0, 5431.0, 5373.0, 5562.0, 5472.0, 5481.0, 5361.0, 5343.0, 5304.0, 5681.0, 5560.0, 5484.0, 5642.0, 5410.0, 5293.0, 5570.0, 5325.0, 5648.0, 5651.0, 5709.0, 5405.0, 5332.0, 5529.0, 5665.0, 5317.0, 5493.0, 5573.0, 5320.0, 5711.0, 5567.0, 5465.0, 5714.0, 5478.0, 5251.0, 5605.0, 5449.0, 5643.0, 5365.0, 5612.0, 5677.0, 5345.0, 5503.0, 5502.0, 5516.0, 5366.0, 5583.0, 5358.0, 5462.0, 5282.0, 5706.0, 5555.0, 5691.0, 5708.0, 5553.0, 5489.0, 5517.0, 5596.0, 5272.0, 5571.0, 5636.0, 5673.0, 5565.0, 5580.0, 5296.0, 5526.0, 5508.0, 5276.0, 5667.0, 5327.0, 5637.0, 5375.0, 5305.0, 5662.0, 5641.0, 5387.0, 5668.0, 5269.0, 5652.0, 5592.0, 5333.0, 5533.0, 5495.0, 5593.0, 5694.0, 5417.0, 5546.0, 5430.0, 5499.0, 5413.0 (number of hits: 4) |
| 28 | 5493.0 | 9 | 1.0 | 333 | 1 | 5662.0, 5444.0, 5294.0, 5720.0, 5293.0, 5266.0, 5340.0, 5711.0, 5607.0, 5509.0, 5717.0, 5349.0, 5359.0, 5704.0, 5393.0, 5550.0, 5500.0, 5579.0, 5317.0, 5458.0, 5573.0, 5502.0, 5277.0, 5253.0, 5395.0, 5425.0, 5382.0, 5518.0, 5440.0, 5655.0, 5494.0, 5677.0, 5471.0, 5581.0, 5517.0, 5724.0, 5413.0, 5587.0, 5582.0, 5539.0, 5282.0, 5538.0, 5438.0, 5285.0, 5563.0, 5362.0, 5558.0, 5346.0, 5580.0, 5694.0, 5283.0, 5329.0, 5403.0, 5548.0, 5555.0, 5705.0, 5715.0, 5660.0, 5574.0, 5311.0, 5280.0, 5564.0, 5404.0, 5683.0, 5531.0, 5600.0, 5612.0, 5510.0, 5365.0, 5407.0, 5556.0, 5429.0, 5319.0, 5519.0, 5712.0, 5261.0, 5671.0, 5417.0, 5584.0, 5399.0, 5622.0, 5491.0, 5297.0, 5505.0, 5699.0, 5257.0, 5347.0, 5419.0, 5482.0, 5625.0, 5664.0, 5516.0, 5602.0, 5673.0, 5489.0, 5450.0, 5424.0, 5368.0, 5721.0, 5656.0 (number of hits: 4) |
| 29 | 5493.0 | 9 | 1.0 | 333 | 1 | 5664.0, 5458.0, 5255.0, 5389.0, 5613.0, 5701.0, 5606.0, 5638.0, 5683.0, 5271.0, 5346.0, 5451.0, 5559.0, 5484.0, 5263.0, 5659.0, 5617.0, 5301.0, 5291.0, 5406.0, 5379.0, 5717.0, 5504.0, 5287.0, 5266.0, 5349.0, 5398.0, 5423.0, 5627.0, 5584.0, 5481.0, 5390.0, 5686.0, 5468.0, 5359.0, 5439.0, 5662.0, 5295.0, 5668.0, 5508.0, 5325.0, 5560.0, 5303.0, 5462.0, 5517.0, 5357.0, 5306.0, 5658.0, 5319.0, 5428.0, 5672.0, 5572.0, 5708.0, 5366.0, 5564.0, 5533.0, 5330.0, 5254.0, 5350.0, 5526.0, 5329.0, 5641.0, 5605.0, 5656.0, 5289.0, 5689.0, 5490.0, 5604.0, 5637.0, 5318.0, 5441.0, 5521.0, 5415.0, 5308.0, 5274.0, 5513.0, 5294.0, 5304.0, 5574.0, 5292.0, 5270.0, 5500.0, 5630.0, 5514.0, 5653.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5424.0, 5312.0, 5704.0, 5666.0, 5718.0, 5404.0, 5499.0, 5282.0, 5616.0, 5337.0, 5494.0, 5380.0, 5575.0, 5675.0, 5535.0 (number of hits: 5) |
| 30 | 5500.0 | 9 | 1.0 | 333 | 1 | 5618.0, 5535.0, 5440.0, 5718.0, 5513.0, 5606.0, 5660.0, 5511.0, 5577.0, 5538.0, 5338.0, 5710.0, 5669.0, 5352.0, 5369.0, 5486.0, 5635.0, 5509.0, 5717.0, 5716.0, 5452.0, 5261.0, 5593.0, 5657.0, 5348.0, 5373.0, 5292.0, 5554.0, 5604.0, 5559.0, 5433.0, 5384.0, 5387.0, 5301.0, 5470.0, 5443.0, 5655.0, 5453.0, 5583.0, 5408.0, 5341.0, 5391.0, 5711.0, 5504.0, 5302.0, 5693.0, 5721.0, 5704.0, 5553.0, 5698.0, 5539.0, 5609.0, 5598.0, 5287.0, 5319.0, 5300.0, 5318.0, 5589.0, 5473.0, 5448.0, 5491.0, 5648.0, 5601.0, 5331.0, 5314.0, 5362.0, 5636.0, 5309.0, 5455.0, 5344.0, 5525.0, 5270.0, 5442.0, 5371.0, 5334.0, 5493.0, 5551.0, 5332.0, 5522.0, 5317.0, 5496.0, 5389.0, 5573.0, 5632.0, 5661.0, 5264.0, 5707.0, 5562.0, 5570.0, 5428.0, 5445.0, 5380.0, 5613.0, 5615.0, 5456.0, 5368.0, 5508.0, 5398.0, 5361.0, 5282.0 (number of hits: 3) |

**AP Mode
Iron Radio****5510 MHz, 40 MHz Bandwidth**

| Radar Signal Type | Waveform/Trial Number | Detection (%) | Limit (%) | Pass/Fail |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| Type 1A/1B | 30 | 96.7 % | 60% | Pass |
| Type 2 | 30 | 90 % | 60% | Pass |
| Type 3 | 30 | 80 % | 60% | Pass |
| Type 4 | 30 | 83.3 % | 60% | Pass |
| Aggregate (Type1 to 4) | 120 | 87.5 % | 80% | Pass |
| Type 5 | 30 | 100 % | 80% | Pass |
| Type 6 | 30 | 100 % | 70% | Pass |

Please refer to the following statistical tables:

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 68 | 1.0 | 778 | 1 |
| 2 | 99 | 1.0 | 538 | 1 |
| 3 | 57 | 1.0 | 938 | 1 |
| 4 | 86 | 1.0 | 618 | 1 |
| 5 | 65 | 1.0 | 818 | 1 |
| 6 | 81 | 1.0 | 658 | 1 |
| 7 | 102 | 1.0 | 518 | 1 |
| 8 | 89 | 1.0 | 598 | 1 |
| 9 | 59 | 1.0 | 898 | 1 |
| 10 | 63 | 1.0 | 838 | 1 |
| 11 | 83 | 1.0 | 638 | 1 |
| 12 | 95 | 1.0 | 558 | 1 |
| 13 | 58 | 1.0 | 918 | 1 |
| 14 | 62 | 1.0 | 858 | 1 |
| 15 | 74 | 1.0 | 718 | 0 |
| 16 | 30 | 1.0 | 1819 | 1 |
| 17 | 19 | 1.0 | 2825 | 1 |
| 18 | 77 | 1.0 | 688 | 1 |
| 19 | 50 | 1.0 | 1069 | 1 |
| 20 | 25 | 1.0 | 2181 | 1 |
| 21 | 31 | 1.0 | 1743 | 1 |
| 22 | 19 | 1.0 | 2891 | 1 |
| 23 | 54 | 1.0 | 989 | 1 |
| 24 | 18 | 1.0 | 2977 | 1 |
| 25 | 42 | 1.0 | 1269 | 1 |
| 26 | 22 | 1.0 | 2465 | 1 |
| 27 | 23 | 1.0 | 2330 | 1 |
| 28 | 18 | 1.0 | 3011 | 1 |
| 29 | 19 | 1.0 | 2883 | 1 |
| 30 | 21 | 1.0 | 2567 | 1 |
| Detection Percentage: 96.7 % (>60%) | | | | |

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 23 | 3.7 | 191 | 1 |
| 2 | 27 | 4.1 | 230 | 1 |
| 3 | 28 | 3.4 | 219 | 0 |
| 4 | 29 | 3.5 | 164 | 1 |
| 5 | 25 | 2.6 | 226 | 1 |
| 6 | 26 | 1.1 | 211 | 1 |
| 7 | 24 | 3.9 | 225 | 1 |
| 8 | 24 | 2.0 | 156 | 1 |
| 9 | 29 | 2.6 | 226 | 1 |
| 10 | 27 | 2.3 | 154 | 1 |
| 11 | 28 | 1.1 | 209 | 1 |
| 12 | 24 | 1.1 | 165 | 1 |
| 13 | 27 | 4.1 | 191 | 1 |
| 14 | 26 | 1.3 | 215 | 1 |
| 15 | 29 | 3.8 | 199 | 1 |
| 16 | 27 | 5.0 | 192 | 1 |
| 17 | 26 | 1.5 | 227 | 1 |
| 18 | 23 | 3.7 | 218 | 0 |
| 19 | 24 | 2.3 | 206 | 1 |
| 20 | 23 | 4.6 | 193 | 1 |
| 21 | 28 | 2.3 | 202 | 1 |
| 22 | 25 | 1.2 | 158 | 1 |
| 23 | 29 | 4.3 | 200 | 1 |
| 24 | 28 | 1.5 | 186 | 1 |
| 25 | 27 | 4.1 | 165 | 1 |
| 26 | 27 | 1.1 | 193 | 1 |
| 27 | 26 | 3.8 | 173 | 1 |
| 28 | 24 | 3.5 | 223 | 1 |
| 29 | 24 | 4.4 | 183 | 0 |
| 30 | 25 | 4.0 | 191 | 1 |
| Detection Percentage: 90 % (>60%) | | | | |

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 17 | 6.7 | 271 | 1 |
| 2 | 16 | 7.9 | 453 | 1 |
| 3 | 16 | 7.9 | 316 | 1 |
| 4 | 18 | 7.1 | 247 | 1 |
| 5 | 18 | 9.5 | 399 | 1 |
| 6 | 17 | 9.3 | 463 | 0 |
| 7 | 16 | 9.4 | 330 | 0 |
| 8 | 18 | 6.5 | 213 | 1 |
| 9 | 16 | 7.8 | 365 | 0 |
| 10 | 17 | 9.6 | 390 | 0 |
| 11 | 17 | 9.8 | 354 | 1 |
| 12 | 16 | 8.9 | 314 | 1 |
| 13 | 18 | 7.5 | 299 | 1 |
| 14 | 18 | 6.3 | 323 | 0 |
| 15 | 17 | 7.6 | 278 | 1 |
| 16 | 17 | 10.0 | 234 | 1 |
| 17 | 16 | 8.6 | 204 | 1 |
| 18 | 16 | 7.6 | 286 | 1 |
| 19 | 17 | 8.9 | 495 | 1 |
| 20 | 18 | 9.6 | 418 | 1 |
| 21 | 17 | 10.0 | 417 | 1 |
| 22 | 16 | 7.7 | 287 | 1 |
| 23 | 16 | 8.0 | 252 | 1 |
| 24 | 16 | 8.3 | 223 | 1 |
| 25 | 17 | 8.5 | 209 | 0 |
| 26 | 18 | 9.7 | 346 | 1 |
| 27 | 16 | 8.8 | 236 | 1 |
| 28 | 17 | 6.3 | 327 | 1 |
| 29 | 16 | 7.2 | 216 | 1 |
| 30 | 16 | 9.9 | 440 | 1 |
| Detection Percentage: 80 % (>60%) | | | | |

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 13 | 19.8 | 216 | 1 |
| 2 | 13 | 11.6 | 483 | 1 |
| 3 | 16 | 11.6 | 439 | 1 |
| 4 | 12 | 14.3 | 398 | 1 |
| 5 | 15 | 12.1 | 348 | 1 |
| 6 | 15 | 18.5 | 369 | 1 |
| 7 | 13 | 12.1 | 365 | 0 |
| 8 | 14 | 13.7 | 440 | 1 |
| 9 | 16 | 16.9 | 297 | 1 |
| 10 | 16 | 17.3 | 417 | 1 |
| 11 | 13 | 11.9 | 250 | 1 |
| 12 | 14 | 15.4 | 406 | 0 |
| 13 | 14 | 12.6 | 248 | 1 |
| 14 | 14 | 11.7 | 336 | 1 |
| 15 | 14 | 11.4 | 390 | 1 |
| 16 | 15 | 14.8 | 435 | 1 |
| 17 | 16 | 18.5 | 292 | 1 |
| 18 | 13 | 12.4 | 224 | 1 |
| 19 | 13 | 13.9 | 500 | 1 |
| 20 | 15 | 12.7 | 306 | 1 |
| 21 | 15 | 11.7 | 393 | 1 |
| 22 | 16 | 16.0 | 250 | 0 |
| 23 | 13 | 17.8 | 321 | 1 |
| 24 | 15 | 17.5 | 253 | 1 |
| 25 | 15 | 14.5 | 221 | 1 |
| 26 | 14 | 14.3 | 443 | 1 |
| 27 | 13 | 15.3 | 452 | 1 |
| 28 | 13 | 19.8 | 342 | 0 |
| 29 | 14 | 15.2 | 238 | 0 |
| 30 | 12 | 12.6 | 326 | 1 |
| Detection Percentage: 83.3 % (>60%) | | | | |

Table-5 Radar Type 5 Statistical Performance

| Trial # | Fc (MHz) | Detection (1:yes; 0:no) |
|--|-----------------|--------------------------------|
| 1 | 5510 | 1 |
| 2 | 5510 | 1 |
| 3 | 5510 | 1 |
| 4 | 5510 | 1 |
| 5 | 5510 | 1 |
| 6 | 5510 | 1 |
| 7 | 5510 | 1 |
| 8 | 5510 | 1 |
| 9 | 5510 | 1 |
| 10 | 5510 | 1 |
| 11 | 5498.0 | 1 |
| 12 | 5498.4 | 1 |
| 13 | 5500.0 | 1 |
| 14 | 5498.0 | 1 |
| 15 | 5495.2 | 1 |
| 16 | 5495.6 | 1 |
| 17 | 5498.4 | 1 |
| 18 | 5498.4 | 1 |
| 19 | 5495.6 | 1 |
| 20 | 5495.6 | 1 |
| 21 | 5520.4 | 1 |
| 22 | 5524.4 | 1 |
| 23 | 5522.4 | 1 |
| 24 | 5520.8 | 1 |
| 25 | 5520.8 | 1 |
| 26 | 5520.4 | 1 |
| 27 | 5521.6 | 1 |
| 28 | 5524.8 | 1 |
| 29 | 5522.8 | 1 |
| 30 | 5521.2 | 1 |
| Detection Percentage: 100 % (>80%) | | |

Bin5 Statistics 1

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 9 | 51.7 | 1386 | | 0.529423 | 1 |
| 1 | 3 | 9 | 65.3 | 1537 | 1306 | 1.017985 | |
| 2 | 1 | 9 | 98.7 | | | 2.037857 | |
| 3 | 1 | 9 | 88.4 | | | 2.675002 | |
| 4 | 1 | 9 | 89.3 | | | 3.759663 | |
| 5 | 1 | 9 | 88.7 | | | 4.647745 | |
| 6 | 2 | 9 | 97.3 | 1547 | | 5.271808 | |
| 7 | 2 | 9 | 90.4 | 1584 | | 6.297370 | |
| 8 | 2 | 9 | 50.3 | 1730 | | 7.385708 | |
| 9 | 2 | 9 | 55.4 | 1114 | | 8.539208 | |
| 10 | 1 | 9 | 74.1 | | | 9.424171 | |
| 11 | 2 | 9 | 50.8 | 1562 | | 9.670494 | |
| 12 | 2 | 9 | 81.9 | 1241 | | 10.950527 | |
| 13 | 3 | 9 | 55.6 | 1124 | 1246 | 11.232969 | |

Bin5 Statistics 2

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 5 | 72.4 | 1098 | | 0.782572 | 1 |
| 1 | 3 | 5 | 88.0 | 1163 | 1298 | 1.498280 | |
| 2 | 2 | 5 | 85.6 | 1416 | | 2.572013 | |
| 3 | 1 | 5 | 74.4 | | | 3.852202 | |
| 4 | 1 | 5 | 62.9 | | | 4.399656 | |
| 5 | 2 | 5 | 86.3 | 1059 | | 5.247096 | |
| 6 | 1 | 5 | 91.1 | | | 6.178096 | |
| 7 | 1 | 5 | 62.3 | | | 7.514011 | |
| 8 | 2 | 5 | 60.6 | 1359 | | 8.921861 | |
| 9 | 2 | 5 | 91.8 | 1598 | | 9.464766 | |
| 10 | 2 | 5 | 65.8 | 1784 | | 10.512375 | |
| 11 | 2 | 5 | 74.8 | 1217 | | 11.705329 | |

Bin5 Statistics 3

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 10 | 84.7 | 1145 | | 0.083696 | 1 |
| 1 | 2 | 10 | 89.9 | 1466 | | 1.193851 | |
| 2 | 2 | 10 | 60.3 | 1098 | | 2.039835 | |
| 3 | 1 | 10 | 55.4 | | | 2.826252 | |
| 4 | 3 | 10 | 50.9 | 1767 | 1225 | 3.251487 | |
| 5 | 2 | 10 | 93.1 | 1363 | | 4.115956 | |
| 6 | 2 | 10 | 72.8 | 1863 | | 4.927685 | |
| 7 | 3 | 10 | 90.0 | 1257 | 1567 | 6.222252 | |
| 8 | 2 | 10 | 73.6 | 1163 | | 6.442644 | |
| 9 | 2 | 10 | 57.9 | 1135 | | 7.959659 | |
| 10 | 2 | 10 | 67.4 | 1063 | | 8.770109 | |
| 11 | 2 | 10 | 52.7 | 1095 | | 9.228394 | |
| 12 | 3 | 10 | 52.8 | 1005 | 1569 | 9.797110 | |
| 13 | 2 | 10 | 67.6 | 1092 | | 10.460597 | |
| 14 | 3 | 10 | 62.9 | 1050 | 1736 | 11.934285 | |

Bin5 Statistics 4

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 16 | 80.3 | 1790 | | 0.474448 | 1 |
| 1 | 2 | 16 | 92.2 | 1720 | | 1.155472 | |
| 2 | 2 | 16 | 74.2 | 1031 | | 1.906646 | |
| 3 | 2 | 16 | 62.9 | 1064 | | 2.697281 | |
| 4 | 1 | 16 | 84.1 | | | 3.746633 | |
| 5 | 2 | 16 | 97.7 | 1659 | | 4.409209 | |
| 6 | 3 | 16 | 55.1 | 1216 | 1405 | 5.018844 | |
| 7 | 3 | 16 | 70.8 | 1588 | 1480 | 5.658699 | |
| 8 | 2 | 16 | 53.4 | 1268 | | 6.400760 | |
| 9 | 2 | 16 | 99.8 | 1177 | | 7.995180 | |
| 10 | 2 | 16 | 51.3 | 1744 | | 8.545513 | |
| 11 | 3 | 16 | 76.7 | 1708 | 1006 | 9.537686 | |
| 12 | 2 | 16 | 59.0 | 1352 | | 9.936211 | |
| 13 | 3 | 16 | 70.1 | 1109 | 1052 | 10.646691 | |
| 14 | 1 | 16 | 66.6 | | | 11.743906 | |

Bin5 Statistics 5

| 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 | 13 | 79.4 | 1126 | 1881 | 0.470322 | 1 |
| 1 | 3 | 13 | 89.3 | 1503 | 1103 | 1.259729 | |
| 2 | 2 | 13 | 52.9 | 1828 | | 1.529783 | |
| 3 | 3 | 13 | 68.8 | 1521 | 1834 | 2.285647 | |
| 4 | 2 | 13 | 56.0 | 1497 | | 3.060532 | |
| 5 | 2 | 13 | 70.9 | 1467 | | 4.035341 | |
| 6 | 2 | 13 | 75.6 | 1826 | | 4.825224 | |
| 7 | 1 | 13 | 52.0 | | | 5.918207 | |
| 8 | 2 | 13 | 98.4 | 1988 | | 6.342983 | |
| 9 | 1 | 13 | 76.6 | | | 7.275532 | |
| 10 | 2 | 13 | 64.2 | 1448 | | 7.557889 | |
| 11 | 1 | 13 | 81.9 | | | 8.705874 | |
| 12 | 3 | 13 | 87.9 | 1677 | 1851 | 9.212384 | |
| 13 | 3 | 13 | 89.0 | 1649 | 1010 | 10.125022 | |
| 14 | 3 | 13 | 51.7 | 1011 | 1595 | 10.546146 | |
| 15 | 3 | 13 | 82.0 | 1745 | 1432 | 11.902986 | |

Bin5 Statistics 6

| 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 | 1 | 11 | 80.0 | | | 0.068980 | 1 |
| 1 | 2 | 11 | 54.6 | 1498 | | 0.869323 | |
| 2 | 3 | 11 | 84.2 | 1204 | 1653 | 1.978960 | |
| 3 | 2 | 11 | 89.7 | 1640 | | 2.488772 | |
| 4 | 2 | 11 | 71.9 | 1686 | | 2.971902 | |
| 5 | 1 | 11 | 82.8 | | | 3.563947 | |
| 6 | 1 | 11 | 63.2 | | | 4.300276 | |
| 7 | 1 | 11 | 97.5 | | | 4.991650 | |
| 8 | 3 | 11 | 89.4 | 1766 | 1817 | 6.135248 | |
| 9 | 2 | 11 | 93.3 | 1703 | | 6.454412 | |
| 10 | 3 | 11 | 54.7 | 1523 | 1065 | 7.194851 | |
| 11 | 1 | 11 | 86.0 | | | 8.450290 | |
| 12 | 2 | 11 | 68.5 | 1951 | | 8.962497 | |
| 13 | 2 | 11 | 63.1 | 1893 | | 9.685622 | |
| 14 | 3 | 11 | 94.4 | 1205 | 1243 | 9.972703 | |
| 15 | 2 | 11 | 99.4 | 1219 | | 10.799281 | |
| 16 | 2 | 11 | 72.0 | 1575 | | 11.597676 | |

Bin5 Statistics 7

| 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 | 1 | 6 | 65.7 | | | 0.368148 | 1 |
| 1 | 3 | 6 | 78.7 | 1766 | 1609 | 0.677618 | |
| 2 | 2 | 6 | 53.5 | 1868 | | 1.832802 | |
| 3 | 2 | 6 | 89.3 | 1201 | | 2.137827 | |
| 4 | 2 | 6 | 69.1 | 1509 | | 2.929703 | |
| 5 | 1 | 6 | 87.1 | | | 3.746200 | |
| 6 | 2 | 6 | 87.6 | 1150 | | 4.645037 | |
| 7 | 2 | 6 | 92.8 | 1712 | | 5.302225 | |
| 8 | 2 | 6 | 56.2 | 1212 | | 5.785142 | |
| 9 | 3 | 6 | 89.2 | 1621 | 1847 | 6.374857 | |
| 10 | 3 | 6 | 75.6 | 1512 | 1259 | 7.282157 | |
| 11 | 2 | 6 | 92.7 | 1523 | | 7.352116 | |
| 12 | 1 | 6 | 74.2 | | | 8.146879 | |
| 13 | 2 | 6 | 56.9 | 1509 | | 9.260424 | |
| 14 | 2 | 6 | 66.9 | 1523 | | 9.679233 | |
| 15 | 1 | 6 | 63.1 | | | 10.475074 | |
| 16 | 1 | 6 | 94.2 | | | 11.071287 | |
| 17 | 2 | 6 | 73.0 | 1916 | | 11.673579 | |

Bin5 Statistics 8

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 7 | 93.7 | 1750 | | 0.322541 | 1 |
| 1 | 3 | 7 | 89.0 | 1984 | 1196 | 0.926446 | |
| 2 | 1 | 7 | 57.0 | | | 2.368994 | |
| 3 | 2 | 7 | 79.7 | 1934 | | 2.562371 | |
| 4 | 3 | 7 | 66.3 | 1260 | 1280 | 3.687086 | |
| 5 | 2 | 7 | 94.1 | 1103 | | 4.623298 | |
| 6 | 2 | 7 | 53.3 | 1117 | | 5.350205 | |
| 7 | 2 | 7 | 50.1 | 1760 | | 5.718013 | |
| 8 | 1 | 7 | 90.6 | | | 7.157069 | |
| 9 | 1 | 7 | 70.0 | | | 7.348828 | |
| 10 | 2 | 7 | 64.5 | 1046 | | 8.191449 | |
| 11 | 1 | 7 | 71.5 | | | 9.489909 | |
| 12 | 1 | 7 | 75.6 | | | 9.895119 | |
| 13 | 2 | 7 | 93.4 | 1921 | | 10.407062 | |
| 14 | 3 | 7 | 87.0 | 1939 | 1295 | 11.582774 | |

Bin5 Statistics 9

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 15 | 90.2 | 1021 | 1461 | 1.180756 | 1 |
| 1 | 2 | 15 | 80.0 | 1933 | | 1.829662 | |
| 2 | 2 | 15 | 89.9 | 1911 | | 3.380681 | |
| 3 | 2 | 15 | 61.9 | 1494 | | 3.609022 | |
| 4 | 1 | 15 | 73.6 | | | 5.339768 | |
| 5 | 3 | 15 | 93.5 | 1287 | 1479 | 6.590539 | |
| 6 | 2 | 15 | 82.2 | 1832 | | 7.329049 | |
| 7 | 3 | 15 | 75.4 | 1902 | 1669 | 9.295888 | |
| 8 | 3 | 15 | 81.7 | 1421 | 1347 | 10.334836 | |
| 9 | 3 | 15 | 85.8 | 1400 | 1671 | 11.136026 | |

Bin5 Statistics 10

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 8 | 83.3 | 1934 | | 1.265013 | 1 |
| 1 | 1 | 8 | 85.9 | | | 2.049492 | |
| 2 | 1 | 8 | 84.0 | | | 3.788709 | |
| 3 | 3 | 8 | 51.6 | 1676 | 1498 | 4.897044 | |
| 4 | 3 | 8 | 79.1 | 1522 | 1399 | 6.652542 | |
| 5 | 3 | 8 | 66.1 | 1439 | 1027 | 7.918455 | |
| 6 | 1 | 8 | 68.4 | | | 8.644626 | |
| 7 | 3 | 8 | 57.1 | 1488 | 1763 | 10.229474 | |
| 8 | 2 | 8 | 66.9 | 1443 | | 11.604953 | |

Bin5 Statistics 11

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 15 | 80.0 | 1344 | 1607 | 0.569313 | 1 |
| 1 | 2 | 15 | 81.7 | 1702 | | 0.752472 | |
| 2 | 3 | 15 | 93.0 | 1305 | 1420 | 1.692123 | |
| 3 | 2 | 15 | 85.2 | 1121 | | 2.231766 | |
| 4 | 3 | 15 | 79.1 | 1914 | 1301 | 3.080914 | |
| 5 | 1 | 15 | 78.6 | | | 3.240438 | |
| 6 | 1 | 15 | 63.5 | | | 3.896622 | |
| 7 | 2 | 15 | 87.7 | 1709 | | 4.743985 | |
| 8 | 1 | 15 | 52.0 | | | 5.100188 | |
| 9 | 1 | 15 | 73.9 | | | 6.286239 | |
| 10 | 3 | 15 | 90.5 | 1873 | 1672 | 6.316987 | |
| 11 | 1 | 15 | 66.0 | | | 7.464463 | |
| 12 | 3 | 15 | 53.9 | 1297 | 1576 | 7.994644 | |
| 13 | 2 | 15 | 92.6 | 1295 | | 8.310319 | |
| 14 | 2 | 15 | 65.3 | 1531 | | 9.239443 | |
| 15 | 3 | 15 | 78.9 | 1138 | 1420 | 9.923881 | |
| 16 | 3 | 15 | 88.0 | 1494 | 1482 | 10.272619 | |
| 17 | 2 | 15 | 98.2 | 1056 | | 11.052136 | |
| 18 | 1 | 15 | 78.6 | | | 11.584164 | |

Bin5 Statistics 12

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 16 | 69.0 | 1258 | | 0.422603 | 1 |
| 1 | 2 | 16 | 86.1 | 1430 | | 0.968649 | |
| 2 | 2 | 16 | 83.6 | 1593 | | 1.745448 | |
| 3 | 2 | 16 | 65.3 | 1708 | | 2.169112 | |
| 4 | 1 | 16 | 72.4 | | | 3.377642 | |
| 5 | 1 | 16 | 59.2 | | | 4.165004 | |
| 6 | 2 | 16 | 64.9 | 1548 | | 4.253617 | |
| 7 | 1 | 16 | 80.0 | | | 5.592200 | |
| 8 | 2 | 16 | 92.0 | 1621 | | 5.934980 | |
| 9 | 2 | 16 | 73.3 | 1436 | | 6.958135 | |
| 10 | 1 | 16 | 83.2 | | | 7.563738 | |
| 11 | 2 | 16 | 73.3 | 1921 | | 8.043404 | |
| 12 | 1 | 16 | 84.2 | | | 8.871867 | |
| 13 | 2 | 16 | 82.2 | 1988 | | 9.692780 | |
| 14 | 3 | 16 | 52.9 | 1076 | 1017 | 10.519221 | |
| 15 | 1 | 16 | 69.1 | | | 11.112917 | |
| 16 | 1 | 16 | 84.2 | | | 11.764190 | |

Bin5 Statistics 13

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 20 | 62.4 | 1441 | | 0.990717 | 1 |
| 1 | 2 | 20 | 50.1 | 1018 | | 1.764187 | |
| 2 | 2 | 20 | 96.9 | 1471 | | 3.721887 | |
| 3 | 1 | 20 | 53.8 | | | 4.541148 | |
| 4 | 3 | 20 | 84.7 | 1453 | 1087 | 6.355888 | |
| 5 | 2 | 20 | 68.3 | 1279 | | 8.286424 | |
| 6 | 1 | 20 | 60.6 | | | 9.949261 | |
| 7 | 1 | 20 | 96.6 | | | 11.130575 | |

Bin5 Statistics 14

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 15 | 93.3 | 1840 | | 0.397041 | 1 |
| 1 | 1 | 15 | 68.9 | | | 0.751657 | |
| 2 | 2 | 15 | 68.4 | 1533 | | 1.663104 | |
| 3 | 2 | 15 | 75.0 | 1646 | | 1.818242 | |
| 4 | 3 | 15 | 88.2 | 1835 | 1768 | 2.585511 | |
| 5 | 2 | 15 | 90.5 | 1416 | | 3.261676 | |
| 6 | 3 | 15 | 87.6 | 1440 | 1807 | 3.744714 | |
| 7 | 3 | 15 | 60.4 | 1928 | 1853 | 4.433792 | |
| 8 | 3 | 15 | 64.4 | 1012 | 1274 | 4.877330 | |
| 9 | 3 | 15 | 92.6 | 1101 | 1893 | 5.786162 | |
| 10 | 2 | 15 | 65.0 | 1146 | | 6.047275 | |
| 11 | 1 | 15 | 52.9 | | | 6.691057 | |
| 12 | 2 | 15 | 53.1 | 1975 | | 7.381109 | |
| 13 | 2 | 15 | 90.6 | 1053 | | 8.191910 | |
| 14 | 2 | 15 | 82.4 | 1656 | | 8.633535 | |
| 15 | 2 | 15 | 55.6 | 1757 | | 9.170083 | |
| 16 | 2 | 15 | 98.8 | 1471 | | 9.646619 | |
| 17 | 3 | 15 | 85.1 | 1272 | 1581 | 10.594009 | |
| 18 | 2 | 15 | 74.9 | 1930 | | 10.819387 | |
| 19 | 3 | 15 | 79.6 | 1995 | 1136 | 11.762682 | |

Bin5 Statistics 15

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 8 | 60.9 | 1634 | | 0.092959 | 1 |
| 1 | 1 | 8 | 84.0 | | | 2.136025 | |
| 2 | 3 | 8 | 83.7 | 1404 | 1517 | 3.180037 | |
| 3 | 3 | 8 | 67.0 | 1134 | 1332 | 3.593976 | |
| 4 | 1 | 8 | 67.2 | | | 5.013633 | |
| 5 | 2 | 8 | 90.0 | 1899 | | 6.352825 | |
| 6 | 2 | 8 | 62.7 | 1371 | | 6.916606 | |
| 7 | 3 | 8 | 98.8 | 1628 | 1567 | 8.173586 | |
| 8 | 1 | 8 | 98.6 | | | 9.323801 | |
| 9 | 1 | 8 | 97.6 | | | 10.333093 | |
| 10 | 1 | 8 | 70.2 | | | 11.733077 | |

Bin5 Statistics 16

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 9 | 99.4 | 1908 | 1873 | 0.807044 | 1 |
| 1 | 3 | 9 | 97.0 | 1501 | 1699 | 1.107628 | |
| 2 | 3 | 9 | 53.6 | 1689 | 1199 | 2.234070 | |
| 3 | 3 | 9 | 80.3 | 1436 | 1356 | 3.065120 | |
| 4 | 1 | 9 | 85.4 | | | 4.961615 | |
| 5 | 2 | 9 | 56.3 | 1842 | | 5.808210 | |
| 6 | 1 | 9 | 90.5 | | | 6.982134 | |
| 7 | 2 | 9 | 73.1 | 1409 | | 7.107061 | |
| 8 | 1 | 9 | 93.4 | | | 8.888537 | |
| 9 | 2 | 9 | 91.0 | 1179 | | 9.359350 | |
| 10 | 1 | 9 | 88.0 | | | 10.995227 | |
| 11 | 2 | 9 | 59.6 | 1908 | | 11.731550 | |

Bin5 Statistics 17

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 16 | 65.0 | 1376 | | 0.713135 | 1 |
| 1 | 1 | 16 | 86.3 | | | 1.840285 | |
| 2 | 2 | 16 | 91.1 | 1312 | | 2.708175 | |
| 3 | 1 | 16 | 69.9 | | | 3.539823 | |
| 4 | 2 | 16 | 67.1 | 1284 | | 4.287820 | |
| 5 | 1 | 16 | 89.8 | | | 5.440188 | |
| 6 | 2 | 16 | 78.4 | 1210 | | 6.280347 | |
| 7 | 3 | 16 | 80.2 | 1519 | 1316 | 7.219287 | |
| 8 | 2 | 16 | 94.8 | 1260 | | 7.535544 | |
| 9 | 1 | 16 | 79.2 | | | 8.562343 | |
| 10 | 2 | 16 | 97.9 | 1783 | | 9.430222 | |
| 11 | 3 | 16 | 81.6 | 1048 | 1073 | 10.740909 | |
| 12 | 3 | 16 | 60.0 | 1618 | 1091 | 11.630592 | |

Bin5 Statistics 18

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 16 | 78.7 | 1142 | 1366 | 0.045787 | 1 |
| 1 | 2 | 16 | 70.8 | 1250 | | 1.226017 | |
| 2 | 1 | 16 | 75.7 | | | 1.798322 | |
| 3 | 3 | 16 | 89.7 | 1173 | 1123 | 2.893051 | |
| 4 | 2 | 16 | 86.7 | 1490 | | 3.937527 | |
| 5 | 3 | 16 | 81.1 | 1483 | 1343 | 4.704517 | |
| 6 | 1 | 16 | 57.3 | | | 5.707502 | |
| 7 | 1 | 16 | 98.5 | | | 6.229734 | |
| 8 | 3 | 16 | 70.5 | 1551 | 1380 | 7.409086 | |
| 9 | 2 | 16 | 80.5 | 1017 | | 8.447217 | |
| 10 | 2 | 16 | 82.0 | 1215 | | 9.392625 | |
| 11 | 3 | 16 | 53.2 | 1690 | 1952 | 9.574544 | |
| 12 | 1 | 16 | 65.3 | | | 10.514669 | |
| 13 | 2 | 16 | 58.8 | 1540 | | 11.503037 | |

Bin5 Statistics 19

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 9 | 90.1 | 1235 | | 0.047656 | 1 |
| 1 | 1 | 9 | 69.1 | | | 1.650221 | |
| 2 | 3 | 9 | 56.0 | 1178 | 1983 | 2.941221 | |
| 3 | 2 | 9 | 66.7 | 1772 | | 3.604715 | |
| 4 | 3 | 9 | 95.4 | 1968 | 1690 | 4.821896 | |
| 5 | 3 | 9 | 88.1 | 1287 | 1917 | 5.804020 | |
| 6 | 3 | 9 | 80.1 | 1961 | 1088 | 7.363737 | |
| 7 | 2 | 9 | 83.1 | 1859 | | 8.468887 | |
| 8 | 1 | 9 | 53.8 | | | 9.076494 | |
| 9 | 1 | 9 | 97.3 | | | 10.409567 | |
| 10 | 2 | 9 | 82.0 | 1756 | | 11.810452 | |

Bin5 Statistics 20

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 9 | 82.6 | 1819 | | 0.041199 | 1 |
| 1 | 2 | 9 | 96.8 | 1284 | | 0.839137 | |
| 2 | 2 | 9 | 96.4 | 1513 | | 1.564204 | |
| 3 | 1 | 9 | 72.9 | | | 2.695530 | |
| 4 | 2 | 9 | 79.8 | 1965 | | 3.090485 | |
| 5 | 1 | 9 | 54.6 | | | 3.590748 | |
| 6 | 1 | 9 | 59.4 | | | 4.878205 | |
| 7 | 3 | 9 | 93.2 | 1785 | 1165 | 5.367588 | |
| 8 | 2 | 9 | 53.0 | 1122 | | 5.726414 | |
| 9 | 2 | 9 | 56.1 | 1267 | | 6.889052 | |
| 10 | 2 | 9 | 51.4 | 1996 | | 7.176314 | |
| 11 | 3 | 9 | 93.3 | 1428 | 1516 | 8.174683 | |
| 12 | 1 | 9 | 98.2 | | | 8.913778 | |
| 13 | 3 | 9 | 52.5 | 1971 | 1094 | 9.675001 | |
| 14 | 3 | 9 | 99.9 | 1933 | 1209 | 10.105801 | |
| 15 | 2 | 9 | 66.5 | 1040 | | 11.235812 | |
| 16 | 1 | 9 | 70.8 | | | 11.983157 | |

Bin5 Statistics 21

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 19 | 64.3 | 1262 | | 0.778614 | 1 |
| 1 | 2 | 19 | 88.2 | 1957 | | 1.559295 | |
| 2 | 1 | 19 | 84.3 | | | 2.056591 | |
| 3 | 2 | 19 | 61.5 | 1024 | | 2.883197 | |
| 4 | 3 | 19 | 54.6 | 1799 | 1596 | 3.816300 | |
| 5 | 1 | 19 | 99.9 | | | 4.208984 | |
| 6 | 2 | 19 | 87.3 | 1817 | | 5.468538 | |
| 7 | 3 | 19 | 81.1 | 1729 | 1585 | 5.646368 | |
| 8 | 2 | 19 | 91.6 | 1863 | | 6.562012 | |
| 9 | 2 | 19 | 74.5 | 1668 | | 7.517020 | |
| 10 | 2 | 19 | 55.3 | 1117 | | 8.691988 | |
| 11 | 1 | 19 | 86.9 | | | 8.828562 | |
| 12 | 3 | 19 | 92.0 | 1647 | 1492 | 9.639028 | |
| 13 | 3 | 19 | 85.5 | 1561 | 1621 | 11.124830 | |
| 14 | 2 | 19 | 53.9 | 1933 | | 11.279935 | |

Bin5 Statistics 22

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 9 | 54.0 | 1122 | | 0.566402 | 1 |
| 1 | 3 | 9 | 50.1 | 1787 | 1192 | 0.928293 | |
| 2 | 1 | 9 | 96.1 | | | 2.223623 | |
| 3 | 1 | 9 | 94.3 | | | 2.770143 | |
| 4 | 2 | 9 | 89.3 | 1835 | | 4.042042 | |
| 5 | 1 | 9 | 91.1 | | | 4.953032 | |
| 6 | 2 | 9 | 70.1 | 1904 | | 5.735336 | |
| 7 | 2 | 9 | 60.1 | 1291 | | 7.235664 | |
| 8 | 2 | 9 | 93.2 | 1977 | | 7.863634 | |
| 9 | 3 | 9 | 85.3 | 1436 | 1279 | 8.786327 | |
| 10 | 3 | 9 | 84.3 | 1826 | 1506 | 10.083536 | |
| 11 | 3 | 9 | 72.0 | 1307 | 1251 | 10.378796 | |
| 12 | 2 | 9 | 59.7 | 1117 | | 11.935635 | |

Bin5 Statistics 23

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 14 | 70.1 | 1767 | | 0.333059 | 1 |
| 1 | 3 | 14 | 87.7 | 1663 | 1590 | 0.698838 | |
| 2 | 2 | 14 | 93.0 | 1372 | | 1.760702 | |
| 3 | 2 | 14 | 88.4 | 1828 | | 2.190078 | |
| 4 | 2 | 14 | 64.7 | 1313 | | 2.941435 | |
| 5 | 1 | 14 | 65.9 | | | 3.690397 | |
| 6 | 2 | 14 | 71.4 | 1508 | | 4.646573 | |
| 7 | 3 | 14 | 76.5 | 1577 | 1481 | 4.865096 | |
| 8 | 1 | 14 | 86.5 | | | 5.814007 | |
| 9 | 3 | 14 | 51.4 | 1703 | 1033 | 6.377758 | |
| 10 | 1 | 14 | 68.1 | | | 6.915778 | |
| 11 | 1 | 14 | 66.9 | | | 7.672990 | |
| 12 | 3 | 14 | 75.2 | 1552 | 1933 | 8.258090 | |
| 13 | 2 | 14 | 83.6 | 1162 | | 8.871108 | |
| 14 | 2 | 14 | 87.8 | 1811 | | 9.934955 | |
| 15 | 3 | 14 | 81.4 | 1067 | 1616 | 10.178075 | |
| 16 | 2 | 14 | 68.8 | 1050 | | 10.962082 | |
| 17 | 3 | 14 | 94.4 | 1341 | 1795 | 11.755991 | |

Bin5 Statistics 24

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 18 | 51.6 | 1183 | | 0.131431 | 1 |
| 1 | 3 | 18 | 50.1 | 1932 | 1616 | 1.261317 | |
| 2 | 2 | 18 | 95.3 | 1399 | | 2.816490 | |
| 3 | 1 | 18 | 86.2 | | | 3.261739 | |
| 4 | 3 | 18 | 97.9 | 1632 | 1436 | 4.145555 | |
| 5 | 2 | 18 | 90.7 | 1372 | | 5.500132 | |
| 6 | 3 | 18 | 62.1 | 1266 | 1929 | 6.456043 | |
| 7 | 1 | 18 | 71.9 | | | 7.817947 | |
| 8 | 2 | 18 | 84.9 | 1996 | | 8.885459 | |
| 9 | 3 | 18 | 82.8 | 1331 | 1812 | 9.790632 | |
| 10 | 3 | 18 | 61.2 | 1060 | 1988 | 10.798759 | |
| 11 | 2 | 18 | 72.7 | 1978 | | 11.717562 | |

Bin5 Statistics 25

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 18 | 73.6 | 1530 | | 0.585822 | 1 |
| 1 | 2 | 18 | 52.4 | 1596 | | 0.788347 | |
| 2 | 1 | 18 | 86.1 | | | 1.277844 | |
| 3 | 3 | 18 | 99.4 | 1223 | 1255 | 2.262751 | |
| 4 | 3 | 18 | 60.1 | 1411 | 1649 | 2.693986 | |
| 5 | 1 | 18 | 94.6 | | | 3.295646 | |
| 6 | 2 | 18 | 51.5 | 1303 | | 4.226120 | |
| 7 | 3 | 18 | 77.2 | 1914 | 1811 | 5.037583 | |
| 8 | 2 | 18 | 90.7 | 1747 | | 5.102438 | |
| 9 | 2 | 18 | 62.4 | 1307 | | 6.142160 | |
| 10 | 3 | 18 | 77.4 | 1555 | 1907 | 6.446801 | |
| 11 | 1 | 18 | 92.2 | | | 7.035829 | |
| 12 | 2 | 18 | 54.0 | 1148 | | 7.891571 | |
| 13 | 2 | 18 | 96.3 | 1522 | | 8.732669 | |
| 14 | 2 | 18 | 96.0 | 1173 | | 9.362369 | |
| 15 | 1 | 18 | 69.0 | | | 9.557724 | |
| 16 | 1 | 18 | 60.0 | | | 10.429246 | |
| 17 | 1 | 18 | 81.1 | | | 11.233495 | |
| 18 | 3 | 18 | 81.5 | 1978 | 1716 | 11.458446 | |

Bin5 Statistics 26

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μ S) | Pulse 1-2 spacing (μ S) | Pulse 2-3 spacing (μ S) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------------|------------------------------|------------------------------|----------------|-------------------------|
| 0 | 3 | 19 | 64.0 | 1164 | 1452 | 0.759401 | 1 |
| 1 | 2 | 19 | 76.0 | 1214 | | 0.945850 | |
| 2 | 1 | 19 | 85.7 | | | 1.905815 | |
| 3 | 3 | 19 | 99.9 | 1730 | 1148 | 2.834140 | |
| 4 | 3 | 19 | 90.2 | 1165 | 1521 | 3.707768 | |
| 5 | 2 | 19 | 97.1 | 1866 | | 4.636300 | |
| 6 | 1 | 19 | 66.8 | | | 5.580201 | |
| 7 | 2 | 19 | 50.2 | 1952 | | 6.129513 | |
| 8 | 2 | 19 | 93.3 | 1244 | | 6.915838 | |
| 9 | 2 | 19 | 70.2 | 1275 | | 7.560617 | |
| 10 | 2 | 19 | 94.9 | 1097 | | 8.662626 | |
| 11 | 2 | 19 | 57.0 | 1674 | | 9.377824 | |
| 12 | 2 | 19 | 94.8 | 1964 | | 9.967728 | |
| 13 | 2 | 19 | 93.2 | 1536 | | 10.868744 | |
| 14 | 2 | 19 | 88.4 | 1052 | | 11.615270 | |

Bin5 Statistics 27

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 16 | 74.7 | | | 0.540867 | 1 |
| 1 | 1 | 16 | 68.1 | | | 1.521179 | |
| 2 | 2 | 16 | 84.1 | 1437 | | 2.233163 | |
| 3 | 2 | 16 | 91.3 | 1233 | | 2.987595 | |
| 4 | 2 | 16 | 90.5 | 1702 | | 4.054298 | |
| 5 | 1 | 16 | 53.8 | | | 4.825593 | |
| 6 | 1 | 16 | 89.3 | | | 5.287975 | |
| 7 | 2 | 16 | 85.1 | 1036 | | 6.796854 | |
| 8 | 2 | 16 | 88.6 | 1241 | | 7.420785 | |
| 9 | 2 | 16 | 91.5 | 1198 | | 8.298562 | |
| 10 | 1 | 16 | 58.9 | | | 8.994286 | |
| 11 | 3 | 16 | 94.9 | 1500 | 1320 | 9.879100 | |
| 12 | 3 | 16 | 65.3 | 1667 | 1658 | 10.406933 | |
| 13 | 2 | 16 | 94.5 | 1203 | | 11.272470 | |

Bin5 Statistics 28

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 8 | 85.5 | | | 0.214348 | 1 |
| 1 | 1 | 8 | 69.5 | | | 1.040263 | |
| 2 | 3 | 8 | 91.5 | 1442 | 1397 | 1.662719 | |
| 3 | 1 | 8 | 55.5 | | | 2.539931 | |
| 4 | 3 | 8 | 53.1 | 1962 | 1935 | 3.058271 | |
| 5 | 2 | 8 | 69.6 | 1908 | | 3.706616 | |
| 6 | 2 | 8 | 74.6 | 2000 | | 4.186977 | |
| 7 | 2 | 8 | 82.2 | 1476 | | 4.775418 | |
| 8 | 2 | 8 | 57.9 | 1934 | | 5.349612 | |
| 9 | 2 | 8 | 67.3 | 1530 | | 6.238180 | |
| 10 | 3 | 8 | 55.8 | 1565 | 1504 | 6.672592 | |
| 11 | 1 | 8 | 50.5 | | | 7.695200 | |
| 12 | 2 | 8 | 97.6 | 1134 | | 8.167292 | |
| 13 | 1 | 8 | 66.0 | | | 9.068881 | |
| 14 | 1 | 8 | 77.8 | | | 9.948557 | |
| 15 | 2 | 8 | 58.2 | 1299 | | 10.322008 | |
| 16 | 2 | 8 | 95.4 | 1956 | | 10.798562 | |
| 17 | 1 | 8 | 65.0 | | | 11.848097 | |

Bin5 Statistics 29

| 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 | 56.3 | 1834 | | 0.817679 | 1 |
| 1 | 1 | 13 | 87.8 | | | 1.773447 | |
| 2 | 2 | 13 | 58.3 | 1351 | | 2.974911 | |
| 3 | 2 | 13 | 87.8 | 1042 | | 3.327092 | |
| 4 | 2 | 13 | 85.3 | 1877 | | 4.396073 | |
| 5 | 1 | 13 | 83.6 | | | 5.488809 | |
| 6 | 3 | 13 | 58.8 | 1404 | 1861 | 6.426460 | |
| 7 | 2 | 13 | 84.3 | 1381 | | 7.842707 | |
| 8 | 3 | 13 | 83.9 | 1770 | 1772 | 8.717687 | |
| 9 | 2 | 13 | 67.3 | 1800 | | 9.786515 | |
| 10 | 2 | 13 | 57.8 | 1239 | | 10.075660 | |
| 11 | 3 | 13 | 66.6 | 1203 | 1952 | 11.046382 | |

Bin5 Statistics 30

| 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 | 17 | 81.4 | 1885 | | 0.528976 | 1 |
| 1 | 2 | 17 | 82.4 | 1090 | | 0.678793 | |
| 2 | 2 | 17 | 59.3 | 1180 | | 1.333473 | |
| 3 | 2 | 17 | 97.7 | 1596 | | 2.362159 | |
| 4 | 2 | 17 | 58.2 | 1014 | | 3.289699 | |
| 5 | 2 | 17 | 69.2 | 1425 | | 3.663632 | |
| 6 | 1 | 17 | 66.8 | | | 4.347472 | |
| 7 | 1 | 17 | 94.1 | | | 5.180213 | |
| 8 | 1 | 17 | 84.8 | | | 5.539747 | |
| 9 | 3 | 17 | 83.9 | 1938 | 1296 | 6.160026 | |
| 10 | 1 | 17 | 71.7 | | | 7.146014 | |
| 11 | 1 | 17 | 77.2 | | | 7.509703 | |
| 12 | 1 | 17 | 73.6 | | | 8.080934 | |
| 13 | 1 | 17 | 81.7 | | | 9.054456 | |
| 14 | 2 | 17 | 89.5 | 1291 | | 9.484904 | |
| 15 | 3 | 17 | 62.0 | 1233 | 1595 | 10.328335 | |
| 16 | 2 | 17 | 99.4 | 1973 | | 11.224464 | |
| 17 | 2 | 17 | 82.5 | 1284 | | 11.682323 | |

Table-6 Radar Type 6 Statistical Performance

| Trial # | Fc (MHz) | Pulse /Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) | Hopping Sequence |
|---------|----------|--------------|------------------|----------|-------------------------|---|
| 1 | 5510.0 | 9 | 1.0 | 333 | 1 | 5656.0, 5600.0, 5639.0, 5660.0, 5282.0, 5556.0, 5617.0, 5446.0, 5545.0, 5499.0, 5522.0, 5537.0, 5667.0, 5655.0, 5464.0, 5253.0, 5700.0, 5391.0, 5687.0, 5654.0, 5344.0, 5578.0, 5363.0, 5316.0, 5612.0, 5349.0, 5472.0, 5408.0, 5458.0, 5303.0, 5504.0, 5536.0, 5514.0, 5463.0, 5289.0, 5277.0, 5642.0, 5423.0, 5343.0, 5441.0, 5665.0, 5404.0, 5575.0, 5360.0, 5495.0, 5695.0, 5332.0, 5430.0, 5258.0, 5684.0, 5616.0, 5679.0, 5449.0, 5710.0, 5631.0, 5374.0, 5638.0, 5528.0, 5469.0, 5328.0, 5347.0, 5451.0, 5520.0, 5652.0, 5715.0, 5688.0, 5465.0, 5563.0, 5263.0, 5353.0, 5461.0, 5274.0, 5418.0, 5576.0, 5561.0, 5675.0, 5648.0, 5420.0, 5546.0, 5686.0, 5572.0, 5704.0, 5569.0, 5310.0, 5543.0, 5707.0, 5586.0, 5485.0, 5251.0, 5614.0, 5588.0, 5306.0, 5636.0, 5603.0, 5368.0, 5301.0, 5417.0, 5596.0, 5721.0, 5500.0 (number of hits: 7) |
| 2 | 5510.0 | 9 | 1.0 | 333 | 1 | 5543.0, 5576.0, 5588.0, 5294.0, 5390.0, 5499.0, 5311.0, 5377.0, 5646.0, 5410.0, 5346.0, 5460.0, 5581.0, 5580.0, 5364.0, 5395.0, 5313.0, 5661.0, 5471.0, 5707.0, 5283.0, 5384.0, 5682.0, 5519.0, 5366.0, 5505.0, 5380.0, 5521.0, 5281.0, 5606.0, 5398.0, 5287.0, 5574.0, 5273.0, 5442.0, 5383.0, 5597.0, 5554.0, 5412.0, 5628.0, 5489.0, 5544.0, 5360.0, 5409.0, 5478.0, 5700.0, 5673.0, 5466.0, 5455.0, 5526.0, 5534.0, 5284.0, 5448.0, 5512.0, 5579.0, 5642.0, 5611.0, 5343.0, 5347.0, 5598.0, 5491.0, 5464.0, 5555.0, 5451.0, 5657.0, 5422.0, 5715.0, 5647.0, 5306.0, 5567.0, 5333.0, 5291.0, 5692.0, 5495.0, 5411.0, 5423.0, 5573.0, 5362.0, 5501.0, 5419.0, 5444.0, 5621.0, 5272.0, 5717.0, 5556.0, 5323.0, 5483.0, 5305.0, 5649.0, 5690.0, 5486.0, 5650.0, 5503.0, 5714.0, 5688.0, 5720.0, 5496.0, 5389.0, 5397.0, 5694.0 (number of hits: 10) |
| 3 | 5510.0 | 9 | 1.0 | 333 | 1 | 5611.0, 5340.0, 5647.0, 5673.0, 5256.0, 5276.0, 5494.0, 5544.0, 5566.0, 5480.0, 5599.0, 5341.0, 5358.0, 5530.0, 5372.0, 5437.0, 5377.0, 5382.0, 5607.0, 5462.0, 5658.0, 5365.0, 5353.0, 5629.0, 5500.0, 5627.0, 5484.0, 5278.0, 5620.0, 5517.0, 5435.0, 5642.0, 5292.0, 5635.0, 5720.0, 5417.0, 5404.0, 5577.0, 5438.0, 5373.0, 5561.0, 5528.0, 5398.0, 5667.0, 5669.0, 5306.0, 5679.0, 5354.0, 5445.0, 5547.0, 5676.0, 5367.0, 5305.0, 5421.0, 5636.0, 5261.0, 5401.0, 5279.0, 5693.0, 5515.0, 5479.0, 5345.0, 5267.0, 5350.0, 5428.0 |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5468.0, 5571.0, 5495.0, 5326.0, 5518.0, 5259.0, 5302.0, 5520.0, 5271.0, 5522.0, 5400.0, 5307.0, 5537.0, 5483.0, 5604.0, 5284.0, 5696.0, 5600.0, 5534.0, 5511.0, 5352.0, 5549.0, 5529.0, 5273.0, 5656.0, 5300.0, 5574.0, 5329.0, 5660.0, 5331.0, 5461.0, 5542.0, 5254.0, 5409.0, 5419.0 (number of hits: 9) |
| 4 | 5510.0 | 9 | 1.0 | 333 | 1 | 5663.0, 5617.0, 5334.0, 5468.0, 5356.0, 5549.0, 5554.0, 5291.0, 5495.0, 5622.0, 5657.0, 5658.0, 5277.0, 5688.0, 5464.0, 5294.0, 5545.0, 5566.0, 5381.0, 5588.0, 5279.0, 5519.0, 5433.0, 5367.0, 5581.0, 5251.0, 5517.0, 5591.0, 5431.0, 5522.0, 5288.0, 5491.0, 5299.0, 5421.0, 5406.0, 5569.0, 5297.0, 5446.0, 5379.0, 5697.0, 5393.0, 5568.0, 5355.0, 5341.0, 5463.0, 5397.0, 5593.0, 5408.0, 5437.0, 5625.0, 5391.0, 5474.0, 5680.0, 5465.0, 5458.0, 5650.0, 5366.0, 5594.0, 5694.0, 5496.0, 5368.0, 5514.0, 5595.0, 5572.0, 5637.0, 5642.0, 5698.0, 5682.0, 5434.0, 5401.0, 5389.0, 5345.0, 5574.0, 5484.0, 5632.0, 5259.0, 5599.0, 5373.0, 5610.0, 5681.0, 5340.0, 5390.0, 5302.0, 5619.0, 5608.0, 5428.0, 5267.0, 5589.0, 5605.0, 5380.0, 5315.0, 5375.0, 5661.0, 5516.0, 5359.0, 5454.0, 5326.0, 5275.0, 5456.0, 5476.0 (number of hits: 7) |
| 5 | 5510.0 | 9 | 1.0 | 333 | 1 | 5347.0, 5565.0, 5566.0, 5428.0, 5485.0, 5699.0, 5360.0, 5304.0, 5397.0, 5438.0, 5420.0, 5622.0, 5578.0, 5380.0, 5541.0, 5406.0, 5681.0, 5447.0, 5549.0, 5353.0, 5340.0, 5459.0, 5298.0, 5548.0, 5573.0, 5563.0, 5535.0, 5350.0, 5479.0, 5467.0, 5338.0, 5364.0, 5644.0, 5267.0, 5437.0, 5316.0, 5309.0, 5343.0, 5620.0, 5328.0, 5637.0, 5543.0, 5670.0, 5691.0, 5567.0, 5259.0, 5662.0, 5288.0, 5664.0, 5724.0, 5255.0, 5540.0, 5723.0, 5671.0, 5680.0, 5584.0, 5393.0, 5361.0, 5478.0, 5601.0, 5518.0, 5684.0, 5626.0, 5595.0, 5617.0, 5500.0, 5510.0, 5268.0, 5621.0, 5653.0, 5444.0, 5299.0, 5672.0, 5532.0, 5251.0, 5280.0, 5582.0, 5716.0, 5279.0, 5453.0, 5559.0, 5702.0, 5386.0, 5379.0, 5307.0, 5318.0, 5378.0, 5480.0, 5320.0, 5429.0, 5476.0, 5561.0, 5301.0, 5611.0, 5607.0, 5454.0, 5339.0, 5336.0, 5469.0, 5419.0 (number of hits: 3) |
| 6 | 5510.0 | 9 | 1.0 | 333 | 1 | 5702.0, 5660.0, 5635.0, 5607.0, 5692.0, 5721.0, 5398.0, 5707.0, 5643.0, 5447.0, 5268.0, 5722.0, 5685.0, 5563.0, 5586.0, 5465.0, 5612.0, 5717.0, 5429.0, 5337.0, 5363.0, 5542.0, 5340.0, 5663.0, 5544.0, 5613.0, 5531.0, 5277.0, 5497.0, 5495.0, 5460.0, 5344.0, 5426.0, 5597.0, 5557.0, 5440.0, 5466.0, 5472.0, 5594.0, 5427.0, 5469.0, 5541.0, 5341.0, 5260.0, 5386.0, 5625.0, 5718.0, 5456.0, 5624.0, 5696.0, 5461.0, 5438.0, 5401.0, 5537.0, 5548.0 |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5511.0, 5622.0, 5604.0, 5371.0, 5463.0, 5382.0, 5436.0, 5562.0, 5598.0, 5283.0, 5255.0, 5650.0, 5553.0, 5310.0, 5662.0, 5633.0, 5566.0, 5520.0, 5443.0, 5488.0, 5272.0, 5480.0, 5250.0, 5364.0, 5412.0, 5280.0, 5690.0, 5477.0, 5571.0, 5370.0, 5424.0, 5509.0, 5705.0, 5270.0, 5656.0, 5303.0, 5261.0, 5479.0, 5274.0, 5273.0, 5503.0, 5724.0, 5294.0, 5591.0, 5334.0 (number of hits: 6) |
| 7 | 5510.0 | 9 | 1.0 | 333 | 1 | 5537.0, 5288.0, 5363.0, 5572.0, 5562.0, 5573.0, 5381.0, 5395.0, 5665.0, 5305.0, 5568.0, 5600.0, 5486.0, 5522.0, 5371.0, 5263.0, 5399.0, 5713.0, 5664.0, 5253.0, 5409.0, 5495.0, 5561.0, 5492.0, 5636.0, 5627.0, 5647.0, 5529.0, 5469.0, 5677.0, 5342.0, 5465.0, 5358.0, 5633.0, 5414.0, 5480.0, 5432.0, 5623.0, 5714.0, 5281.0, 5579.0, 5504.0, 5479.0, 5694.0, 5330.0, 5356.0, 5652.0, 5718.0, 5364.0, 5637.0, 5708.0, 5692.0, 5601.0, 5493.0, 5551.0, 5466.0, 5322.0, 5712.0, 5412.0, 5338.0, 5689.0, 5407.0, 5682.0, 5347.0, 5514.0, 5710.0, 5656.0, 5472.0, 5388.0, 5280.0, 5544.0, 5511.0, 5605.0, 5443.0, 5574.0, 5666.0, 5321.0, 5646.0, 5348.0, 5474.0, 5267.0, 5294.0, 5468.0, 5609.0, 5519.0, 5293.0, 5349.0, 5723.0, 5446.0, 5688.0, 5437.0, 5438.0, 5700.0, 5396.0, 5463.0, 5651.0, 5698.0, 5473.0, 5686.0, 5661.0 (number of hits: 8) |
| 8 | 5510.0 | 9 | 1.0 | 333 | 1 | 5666.0, 5695.0, 5624.0, 5631.0, 5503.0, 5720.0, 5519.0, 5665.0, 5595.0, 5420.0, 5448.0, 5469.0, 5421.0, 5491.0, 5259.0, 5488.0, 5275.0, 5341.0, 5436.0, 5340.0, 5338.0, 5350.0, 5708.0, 5575.0, 5277.0, 5460.0, 5550.0, 5656.0, 5462.0, 5532.0, 5373.0, 5594.0, 5252.0, 5437.0, 5598.0, 5528.0, 5392.0, 5327.0, 5515.0, 5444.0, 5527.0, 5539.0, 5339.0, 5440.0, 5468.0, 5672.0, 5349.0, 5705.0, 5487.0, 5273.0, 5696.0, 5517.0, 5406.0, 5716.0, 5701.0, 5383.0, 5699.0, 5667.0, 5710.0, 5320.0, 5254.0, 5300.0, 5351.0, 5641.0, 5281.0, 5333.0, 5498.0, 5400.0, 5685.0, 5472.0, 5477.0, 5688.0, 5396.0, 5347.0, 5363.0, 5431.0, 5395.0, 5329.0, 5415.0, 5250.0, 5463.0, 5643.0, 5413.0, 5345.0, 5426.0, 5679.0, 5465.0, 5499.0, 5576.0, 5489.0, 5522.0, 5266.0, 5458.0, 5461.0, 5544.0, 5370.0, 5326.0, 5387.0, 5302.0, 5563.0 (number of hits: 8) |
| 9 | 5515.0 | 9 | 1.0 | 333 | 1 | 5678.0, 5545.0, 5362.0, 5262.0, 5697.0, 5709.0, 5363.0, 5444.0, 5534.0, 5549.0, 5452.0, 5513.0, 5314.0, 5293.0, 5378.0, 5466.0, 5583.0, 5580.0, 5710.0, 5411.0, 5464.0, 5546.0, 5494.0, 5474.0, 5619.0, 5666.0, 5477.0, 5535.0, 5301.0, 5715.0, 5676.0, 5383.0, 5277.0, 5394.0, 5413.0, 5547.0, 5623.0, 5514.0, 5311.0, 5295.0, 5705.0, 5438.0, 5251.0, 5471.0, 5624.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5443.0, 5457.0, 5531.0, 5639.0, 5641.0, 5600.0, 5287.0, 5652.0, 5493.0, 5630.0, 5607.0, 5375.0, 5320.0, 5350.0, 5687.0, 5575.0, 5562.0, 5647.0, 5356.0, 5541.0, 5659.0, 5495.0, 5548.0, 5476.0, 5550.0, 5584.0, 5259.0, 5328.0, 5256.0, 5499.0, 5404.0, 5321.0, 5688.0, 5650.0, 5518.0, 5255.0, 5718.0, 5581.0, 5617.0, 5458.0, 5622.0, 5686.0, 5706.0, 5423.0, 5310.0, 5288.0, 5450.0, 5703.0, 5418.0, 5691.0, 5273.0, 5571.0, 5424.0, 5264.0, 5406.0 (number of hits: 5) |
| 10 | 5515.0 | 9 | 1.0 | 333 | 1 | 5400.0, 5471.0, 5282.0, 5416.0, 5546.0, 5540.0, 5641.0, 5264.0, 5280.0, 5635.0, 5649.0, 5634.0, 5252.0, 5406.0, 5678.0, 5378.0, 5450.0, 5270.0, 5522.0, 5281.0, 5324.0, 5459.0, 5407.0, 5460.0, 5582.0, 5551.0, 5366.0, 5383.0, 5653.0, 5541.0, 5723.0, 5612.0, 5273.0, 5673.0, 5668.0, 5441.0, 5260.0, 5375.0, 5578.0, 5563.0, 5274.0, 5568.0, 5676.0, 5254.0, 5380.0, 5514.0, 5716.0, 5357.0, 5682.0, 5266.0, 5314.0, 5602.0, 5325.0, 5376.0, 5490.0, 5294.0, 5367.0, 5671.0, 5299.0, 5660.0, 5356.0, 5481.0, 5409.0, 5625.0, 5298.0, 5442.0, 5534.0, 5648.0, 5656.0, 5258.0, 5605.0, 5579.0, 5617.0, 5476.0, 5469.0, 5558.0, 5669.0, 5360.0, 5393.0, 5620.0, 5654.0, 5610.0, 5415.0, 5289.0, 5507.0, 5488.0, 5436.0, 5701.0, 5300.0, 5591.0, 5696.0, 5581.0, 5638.0, 5404.0, 5661.0, 5352.0, 5597.0, 5542.0, 5403.0, 5644.0 (number of hits: 3) |
| 11 | 5520.0 | 9 | 1.0 | 333 | 1 | 5452.0, 5476.0, 5602.0, 5682.0, 5620.0, 5506.0, 5482.0, 5381.0, 5339.0, 5548.0, 5458.0, 5503.0, 5573.0, 5572.0, 5673.0, 5705.0, 5527.0, 5373.0, 5624.0, 5532.0, 5583.0, 5633.0, 5254.0, 5390.0, 5391.0, 5343.0, 5307.0, 5422.0, 5648.0, 5315.0, 5493.0, 5661.0, 5285.0, 5637.0, 5421.0, 5289.0, 5486.0, 5582.0, 5577.0, 5587.0, 5522.0, 5467.0, 5472.0, 5542.0, 5370.0, 5551.0, 5641.0, 5338.0, 5526.0, 5616.0, 5621.0, 5349.0, 5703.0, 5420.0, 5428.0, 5313.0, 5491.0, 5642.0, 5374.0, 5403.0, 5455.0, 5378.0, 5293.0, 5260.0, 5702.0, 5643.0, 5362.0, 5321.0, 5563.0, 5612.0, 5499.0, 5387.0, 5418.0, 5539.0, 5684.0, 5601.0, 5398.0, 5340.0, 5352.0, 5427.0, 5459.0, 5609.0, 5541.0, 5646.0, 5550.0, 5546.0, 5344.0, 5444.0, 5457.0, 5631.0, 5659.0, 5355.0, 5262.0, 5399.0, 5589.0, 5276.0, 5651.0, 5312.0, 5330.0, 5359.0 (number of hits: 6) |
| 12 | 5520.0 | 9 | 1.0 | 333 | 1 | 5351.0, 5378.0, 5537.0, 5250.0, 5653.0, 5532.0, 5651.0, 5343.0, 5264.0, 5572.0, 5348.0, 5579.0, 5577.0, 5376.0, 5280.0, 5283.0, 5693.0, 5494.0, 5567.0, 5560.0, 5266.0, 5340.0, 5597.0, 5428.0, 5558.0, 5411.0, 5302.0, 5251.0, 5694.0, 5267.0, 5479.0, 5447.0, 5620.0, 5533.0, 5526.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5344.0, 5606.0, 5426.0, 5652.0, 5590.0, 5698.0, 5585.0, 5328.0, 5656.0, 5499.0, 5319.0, 5636.0, 5258.0, 5476.0, 5276.0, 5688.0, 5335.0, 5384.0, 5259.0, 5713.0, 5440.0, 5557.0, 5711.0, 5642.0, 5495.0, 5504.0, 5413.0, 5559.0, 5701.0, 5269.0, 5268.0, 5566.0, 5510.0, 5517.0, 5409.0, 5708.0, 5719.0, 5490.0, 5600.0, 5638.0, 5404.0, 5603.0, 5630.0, 5468.0, 5369.0, 5337.0, 5347.0, 5438.0, 5405.0, 5278.0, 5568.0, 5553.0, 5459.0, 5451.0, 5368.0, 5705.0, 5707.0, 5354.0, 5331.0, 5425.0, 5605.0, 5672.0, 5677.0, 5640.0, 5598.0 (number of hits: 7) |
| 13 | 5520.0 | 9 | 1.0 | 333 | 1 | 5268.0, 5670.0, 5585.0, 5651.0, 5581.0, 5386.0, 5679.0, 5283.0, 5453.0, 5437.0, 5646.0, 5427.0, 5699.0, 5682.0, 5304.0, 5467.0, 5706.0, 5523.0, 5543.0, 5498.0, 5563.0, 5681.0, 5672.0, 5571.0, 5340.0, 5514.0, 5667.0, 5380.0, 5680.0, 5664.0, 5250.0, 5429.0, 5624.0, 5588.0, 5493.0, 5421.0, 5332.0, 5267.0, 5500.0, 5713.0, 5565.0, 5542.0, 5382.0, 5259.0, 5400.0, 5468.0, 5391.0, 5368.0, 5698.0, 5454.0, 5484.0, 5371.0, 5627.0, 5499.0, 5524.0, 5549.0, 5387.0, 5470.0, 5295.0, 5323.0, 5381.0, 5384.0, 5414.0, 5476.0, 5721.0, 5362.0, 5365.0, 5331.0, 5634.0, 5482.0, 5582.0, 5544.0, 5538.0, 5383.0, 5616.0, 5318.0, 5513.0, 5313.0, 5509.0, 5558.0, 5573.0, 5403.0, 5702.0, 5553.0, 5491.0, 5521.0, 5357.0, 5497.0, 5719.0, 5635.0, 5410.0, 5425.0, 5296.0, 5442.0, 5366.0, 5281.0, 5548.0, 5605.0, 5439.0, 5584.0 (number of hits: 6) |
| 14 | 5520.0 | 9 | 1.0 | 333 | 1 | 5439.0, 5696.0, 5269.0, 5626.0, 5387.0, 5416.0, 5477.0, 5266.0, 5309.0, 5527.0, 5425.0, 5426.0, 5629.0, 5270.0, 5609.0, 5608.0, 5252.0, 5500.0, 5584.0, 5412.0, 5446.0, 5540.0, 5687.0, 5668.0, 5506.0, 5409.0, 5660.0, 5704.0, 5344.0, 5271.0, 5356.0, 5651.0, 5493.0, 5497.0, 5582.0, 5521.0, 5362.0, 5693.0, 5706.0, 5375.0, 5632.0, 5376.0, 5469.0, 5491.0, 5436.0, 5282.0, 5346.0, 5402.0, 5457.0, 5639.0, 5453.0, 5293.0, 5342.0, 5262.0, 5622.0, 5470.0, 5361.0, 5621.0, 5545.0, 5643.0, 5445.0, 5370.0, 5421.0, 5318.0, 5633.0, 5275.0, 5593.0, 5617.0, 5522.0, 5368.0, 5637.0, 5586.0, 5562.0, 5327.0, 5310.0, 5532.0, 5481.0, 5502.0, 5694.0, 5596.0, 5680.0, 5652.0, 5427.0, 5418.0, 5517.0, 5601.0, 5599.0, 5487.0, 5574.0, 5565.0, 5702.0, 5431.0, 5280.0, 5598.0, 5377.0, 5640.0, 5508.0, 5688.0, 5279.0, 5654.0 (number of hits: 8) |
| 15 | 5520.0 | 9 | 1.0 | 333 | 1 | 5594.0, 5720.0, 5509.0, 5668.0, 5376.0, 5677.0, 5424.0, 5264.0, 5585.0, 5453.0, 5559.0, 5447.0, 5308.0, 5703.0, 5373.0, 5722.0, 5378.0, 5694.0, 5483.0, 5505.0, 5257.0, 5275.0, 5684.0, 5724.0, 5542.0, |

| | | | | | | |
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| | | | | | | 5644.0, 5554.0, 5323.0, 5278.0, 5581.0, 5392.0, 5325.0, 5535.0, 5383.0, 5432.0, 5404.0, 5664.0, 5354.0, 5339.0, 5457.0, 5533.0, 5313.0, 5713.0, 5441.0, 5460.0, 5435.0, 5637.0, 5320.0, 5402.0, 5327.0, 5573.0, 5358.0, 5347.0, 5370.0, 5258.0, 5622.0, 5472.0, 5396.0, 5544.0, 5342.0, 5570.0, 5510.0, 5630.0, 5692.0, 5671.0, 5623.0, 5710.0, 5410.0, 5613.0, 5715.0, 5716.0, 5617.0, 5281.0, 5624.0, 5487.0, 5474.0, 5312.0, 5612.0, 5294.0, 5270.0, 5350.0, 5552.0, 5425.0, 5329.0, 5442.0, 5696.0, 5627.0, 5690.0, 5470.0, 5534.0, 5471.0, 5569.0, 5698.0, 5628.0, 5319.0, 5647.0, 5689.0, 5545.0, 5685.0, 5499.0 (number of hits: 6) |
| 16 | 5500.0 | 9 | 1.0 | 333 | 1 | 5340.0, 5459.0, 5604.0, 5681.0, 5298.0, 5277.0, 5717.0, 5603.0, 5600.0, 5371.0, 5620.0, 5466.0, 5708.0, 5334.0, 5274.0, 5687.0, 5650.0, 5352.0, 5342.0, 5295.0, 5291.0, 5428.0, 5703.0, 5563.0, 5375.0, 5685.0, 5432.0, 5549.0, 5473.0, 5251.0, 5278.0, 5602.0, 5451.0, 5669.0, 5537.0, 5305.0, 5308.0, 5582.0, 5414.0, 5474.0, 5288.0, 5672.0, 5471.0, 5497.0, 5344.0, 5555.0, 5605.0, 5519.0, 5492.0, 5608.0, 5462.0, 5559.0, 5356.0, 5314.0, 5319.0, 5333.0, 5721.0, 5664.0, 5395.0, 5661.0, 5313.0, 5304.0, 5358.0, 5579.0, 5665.0, 5651.0, 5629.0, 5263.0, 5615.0, 5709.0, 5257.0, 5423.0, 5360.0, 5412.0, 5370.0, 5663.0, 5368.0, 5640.0, 5255.0, 5583.0, 5337.0, 5490.0, 5328.0, 5467.0, 5409.0, 5589.0, 5289.0, 5580.0, 5532.0, 5510.0, 5391.0, 5544.0, 5378.0, 5565.0, 5523.0, 5576.0, 5631.0, 5720.0, 5399.0, 5380.0 (number of hits: 4) |
| 17 | 5500.0 | 9 | 1.0 | 333 | 1 | 5647.0, 5516.0, 5300.0, 5462.0, 5568.0, 5376.0, 5533.0, 5458.0, 5552.0, 5601.0, 5415.0, 5277.0, 5285.0, 5687.0, 5429.0, 5266.0, 5360.0, 5457.0, 5580.0, 5379.0, 5523.0, 5646.0, 5418.0, 5468.0, 5507.0, 5550.0, 5275.0, 5632.0, 5416.0, 5534.0, 5528.0, 5721.0, 5540.0, 5318.0, 5286.0, 5433.0, 5609.0, 5558.0, 5346.0, 5589.0, 5503.0, 5667.0, 5713.0, 5566.0, 5520.0, 5680.0, 5382.0, 5617.0, 5701.0, 5519.0, 5711.0, 5595.0, 5556.0, 5682.0, 5599.0, 5278.0, 5276.0, 5350.0, 5604.0, 5407.0, 5625.0, 5478.0, 5401.0, 5301.0, 5279.0, 5715.0, 5657.0, 5698.0, 5254.0, 5588.0, 5283.0, 5563.0, 5391.0, 5676.0, 5268.0, 5707.0, 5354.0, 5581.0, 5656.0, 5575.0, 5494.0, 5377.0, 5451.0, 5596.0, 5345.0, 5492.0, 5522.0, 5513.0, 5476.0, 5671.0, 5261.0, 5493.0, 5694.0, 5630.0, 5489.0, 5380.0, 5546.0, 5597.0, 5681.0, 5297.0 (number of hits: 8) |
| 18 | 5500.0 | 9 | 1.0 | 333 | 1 | 5520.0, 5492.0, 5364.0, 5255.0, 5508.0, 5586.0, 5570.0, 5535.0, 5410.0, 5407.0, 5494.0, 5542.0, 5651.0, 5572.0, 5694.0, |

| | | | | | | |
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| | | | | | | 5453.0, 5511.0, 5536.0, 5550.0, 5417.0, 5680.0, 5656.0, 5339.0, 5546.0, 5462.0, 5521.0, 5642.0, 5474.0, 5306.0, 5312.0, 5618.0, 5351.0, 5590.0, 5527.0, 5367.0, 5400.0, 5449.0, 5661.0, 5389.0, 5319.0, 5552.0, 5636.0, 5560.0, 5713.0, 5379.0, 5341.0, 5479.0, 5676.0, 5653.0, 5619.0, 5282.0, 5466.0, 5679.0, 5709.0, 5557.0, 5507.0, 5348.0, 5478.0, 5283.0, 5388.0, 5436.0, 5665.0, 5480.0, 5683.0, 5594.0, 5556.0, 5432.0, 5331.0, 5440.0, 5446.0, 5568.0, 5658.0, 5620.0, 5524.0, 5497.0, 5589.0, 5399.0, 5519.0, 5537.0, 5670.0, 5403.0, 5701.0, 5422.0, 5545.0, 5396.0, 5254.0, 5302.0, 5558.0, 5315.0, 5687.0, 5578.0, 5645.0, 5412.0, 5332.0, 5419.0, 5378.0, 5682.0, 5362.0, 5706.0, 5486.0 (number of hits: 7) |
| 19 | 5500.0 | 9 | 1.0 | 333 | 1 | 5514.0, 5584.0, 5373.0, 5296.0, 5378.0, 5268.0, 5427.0, 5670.0, 5715.0, 5380.0, 5697.0, 5602.0, 5415.0, 5502.0, 5431.0, 5671.0, 5384.0, 5487.0, 5709.0, 5320.0, 5532.0, 5665.0, 5495.0, 5318.0, 5474.0, 5653.0, 5696.0, 5480.0, 5657.0, 5395.0, 5585.0, 5383.0, 5654.0, 5576.0, 5716.0, 5634.0, 5465.0, 5527.0, 5568.0, 5650.0, 5509.0, 5609.0, 5288.0, 5336.0, 5535.0, 5270.0, 5287.0, 5252.0, 5274.0, 5379.0, 5279.0, 5254.0, 5677.0, 5546.0, 5340.0, 5401.0, 5375.0, 5669.0, 5280.0, 5608.0, 5349.0, 5562.0, 5271.0, 5473.0, 5519.0, 5335.0, 5290.0, 5478.0, 5317.0, 5358.0, 5645.0, 5429.0, 5547.0, 5292.0, 5458.0, 5543.0, 5707.0, 5439.0, 5397.0, 5412.0, 5628.0, 5315.0, 5257.0, 5432.0, 5281.0, 5598.0, 5411.0, 5545.0, 5348.0, 5386.0, 5322.0, 5396.0, 5425.0, 5688.0, 5573.0, 5698.0, 5531.0, 5339.0, 5702.0, 5603.0 (number of hits: 5) |
| 20 | 5500.0 | 9 | 1.0 | 333 | 1 | 5576.0, 5662.0, 5558.0, 5534.0, 5690.0, 5466.0, 5456.0, 5451.0, 5677.0, 5721.0, 5408.0, 5368.0, 5344.0, 5544.0, 5310.0, 5284.0, 5467.0, 5713.0, 5279.0, 5306.0, 5611.0, 5380.0, 5323.0, 5512.0, 5702.0, 5254.0, 5679.0, 5372.0, 5506.0, 5394.0, 5497.0, 5592.0, 5628.0, 5703.0, 5588.0, 5278.0, 5267.0, 5569.0, 5335.0, 5502.0, 5649.0, 5409.0, 5562.0, 5613.0, 5293.0, 5622.0, 5525.0, 5637.0, 5654.0, 5657.0, 5444.0, 5402.0, 5543.0, 5678.0, 5357.0, 5692.0, 5333.0, 5563.0, 5453.0, 5600.0, 5523.0, 5684.0, 5520.0, 5305.0, 5531.0, 5474.0, 5435.0, 5504.0, 5567.0, 5384.0, 5296.0, 5505.0, 5410.0, 5639.0, 5320.0, 5587.0, 5353.0, 5329.0, 5661.0, 5605.0, 5642.0, 5672.0, 5446.0, 5407.0, 5626.0, 5601.0, 5620.0, 5287.0, 5427.0, 5417.0, 5434.0, 5519.0, 5330.0, 5513.0, 5273.0, 5583.0, 5432.0, 5663.0, 5489.0, 5647.0 (number of hits: 8) |
| 21 | 5525.0 | 9 | 1.0 | 333 | 1 | 5620.0, 5634.0, 5524.0, 5493.0, 5655.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| | | | | | | 5489.0, 5709.0, 5269.0, 5396.0, 5384.0, 5365.0, 5681.0, 5377.0, 5346.0, 5340.0, 5717.0, 5254.0, 5689.0, 5400.0, 5315.0, 5722.0, 5443.0, 5257.0, 5497.0, 5533.0, 5350.0, 5718.0, 5558.0, 5363.0, 5590.0, 5649.0, 5353.0, 5677.0, 5499.0, 5394.0, 5613.0, 5349.0, 5422.0, 5264.0, 5492.0, 5475.0, 5457.0, 5345.0, 5464.0, 5392.0, 5660.0, 5476.0, 5428.0, 5631.0, 5416.0, 5276.0, 5711.0, 5720.0, 5446.0, 5659.0, 5650.0, 5308.0, 5306.0, 5635.0, 5480.0, 5570.0, 5251.0, 5545.0, 5339.0, 5407.0, 5465.0, 5267.0, 5626.0, 5719.0, 5546.0, 5268.0, 5452.0, 5411.0, 5304.0, 5418.0, 5296.0, 5397.0, 5622.0, 5343.0, 5372.0, 5375.0, 5534.0, 5312.0, 5630.0, 5335.0, 5557.0, 5694.0, 5287.0, 5521.0, 5657.0, 5514.0, 5610.0, 5470.0, 5603.0, 5690.0, 5322.0, 5408.0, 5347.0, 5608.0, 5517.0 (number of hits: 6) |
| 22 | 5525.0 | 9 | 1.0 | 333 | 1 | 5373.0, 5634.0, 5642.0, 5300.0, 5667.0, 5357.0, 5492.0, 5280.0, 5573.0, 5267.0, 5615.0, 5636.0, 5306.0, 5582.0, 5575.0, 5297.0, 5543.0, 5295.0, 5538.0, 5703.0, 5336.0, 5435.0, 5388.0, 5449.0, 5431.0, 5604.0, 5568.0, 5363.0, 5312.0, 5282.0, 5701.0, 5404.0, 5686.0, 5607.0, 5539.0, 5687.0, 5591.0, 5588.0, 5467.0, 5716.0, 5512.0, 5484.0, 5473.0, 5410.0, 5563.0, 5319.0, 5347.0, 5277.0, 5602.0, 5361.0, 5455.0, 5525.0, 5586.0, 5674.0, 5453.0, 5325.0, 5677.0, 5661.0, 5308.0, 5251.0, 5558.0, 5649.0, 5468.0, 5418.0, 5651.0, 5421.0, 5335.0, 5528.0, 5476.0, 5544.0, 5442.0, 5408.0, 5616.0, 5380.0, 5461.0, 5527.0, 5596.0, 5526.0, 5645.0, 5331.0, 5498.0, 5629.0, 5632.0, 5337.0, 5520.0, 5313.0, 5717.0, 5441.0, 5463.0, 5322.0, 5265.0, 5546.0, 5646.0, 5332.0, 5617.0, 5508.0, 5496.0, 5356.0, 5519.0, 5264.0 (number of hits: 10) |
| 23 | 5525.0 | 9 | 1.0 | 333 | 1 | 5560.0, 5674.0, 5358.0, 5686.0, 5381.0, 5394.0, 5440.0, 5687.0, 5415.0, 5504.0, 5481.0, 5343.0, 5631.0, 5506.0, 5618.0, 5710.0, 5490.0, 5352.0, 5577.0, 5495.0, 5453.0, 5644.0, 5530.0, 5401.0, 5416.0, 5320.0, 5460.0, 5283.0, 5420.0, 5516.0, 5691.0, 5341.0, 5608.0, 5359.0, 5367.0, 5633.0, 5634.0, 5695.0, 5296.0, 5434.0, 5677.0, 5350.0, 5486.0, 5696.0, 5254.0, 5714.0, 5275.0, 5382.0, 5399.0, 5585.0, 5596.0, 5601.0, 5722.0, 5422.0, 5302.0, 5285.0, 5305.0, 5579.0, 5672.0, 5436.0, 5347.0, 5582.0, 5692.0, 5581.0, 5412.0, 5494.0, 5612.0, 5408.0, 5461.0, 5666.0, 5589.0, 5713.0, 5329.0, 5334.0, 5391.0, 5688.0, 5277.0, 5331.0, 5627.0, 5635.0, 5540.0, 5411.0, 5458.0, 5448.0, 5368.0, 5493.0, 5501.0, 5654.0, 5626.0, 5361.0, 5717.0, 5340.0, 5353.0, 5526.0, 5569.0, 5716.0, 5385.0, 5466.0, 5505.0, 5561.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| | | | | | | (number of hits: 4) |
| 24 | 5525.0 | 9 | 1.0 | 333 | 1 | 5676.0, 5427.0, 5319.0, 5358.0, 5398.0, 5488.0, 5661.0, 5695.0, 5392.0, 5580.0, 5464.0, 5478.0, 5430.0, 5563.0, 5366.0, 5560.0, 5453.0, 5571.0, 5715.0, 5712.0, 5527.0, 5298.0, 5376.0, 5350.0, 5598.0, 5434.0, 5318.0, 5250.0, 5716.0, 5423.0, 5390.0, 5292.0, 5330.0, 5638.0, 5485.0, 5356.0, 5380.0, 5290.0, 5659.0, 5278.0, 5544.0, 5493.0, 5522.0, 5407.0, 5646.0, 5272.0, 5383.0, 5681.0, 5359.0, 5458.0, 5352.0, 5631.0, 5711.0, 5496.0, 5393.0, 5665.0, 5570.0, 5353.0, 5444.0, 5437.0, 5655.0, 5267.0, 5535.0, 5280.0, 5673.0, 5537.0, 5313.0, 5473.0, 5323.0, 5700.0, 5683.0, 5608.0, 5460.0, 5723.0, 5593.0, 5719.0, 5675.0, 5455.0, 5501.0, 5703.0, 5341.0, 5720.0, 5532.0, 5294.0, 5252.0, 5348.0, 5713.0, 5322.0, 5378.0, 5315.0, 5611.0, 5360.0, 5456.0, 5401.0, 5446.0, 5609.0, 5633.0, 5643.0, 5635.0, 5343.0 |
| | | | | | | (number of hits: 5) |
| 25 | 5525.0 | 9 | 1.0 | 333 | 1 | 5286.0, 5317.0, 5269.0, 5516.0, 5414.0, 5389.0, 5421.0, 5384.0, 5540.0, 5459.0, 5468.0, 5582.0, 5504.0, 5373.0, 5363.0, 5424.0, 5316.0, 5460.0, 5375.0, 5541.0, 5572.0, 5680.0, 5609.0, 5271.0, 5661.0, 5488.0, 5270.0, 5265.0, 5415.0, 5501.0, 5320.0, 5447.0, 5677.0, 5717.0, 5495.0, 5434.0, 5359.0, 5573.0, 5644.0, 5601.0, 5429.0, 5471.0, 5656.0, 5448.0, 5310.0, 5431.0, 5580.0, 5652.0, 5483.0, 5676.0, 5387.0, 5324.0, 5300.0, 5273.0, 5683.0, 5400.0, 5425.0, 5337.0, 5561.0, 5497.0, 5664.0, 5602.0, 5640.0, 5487.0, 5411.0, 5581.0, 5627.0, 5427.0, 5545.0, 5262.0, 5681.0, 5571.0, 5688.0, 5332.0, 5478.0, 5674.0, 5557.0, 5463.0, 5613.0, 5695.0, 5593.0, 5705.0, 5508.0, 5451.0, 5432.0, 5318.0, 5490.0, 5647.0, 5653.0, 5402.0, 5595.0, 5505.0, 5559.0, 5697.0, 5362.0, 5633.0, 5352.0, 5622.0, 5264.0, 5492.0 |
| | | | | | | (number of hits: 4) |
| 26 | 5495.0 | 9 | 1.0 | 333 | 1 | 5635.0, 5443.0, 5337.0, 5664.0, 5323.0, 5307.0, 5451.0, 5679.0, 5358.0, 5587.0, 5300.0, 5343.0, 5665.0, 5530.0, 5311.0, 5357.0, 5714.0, 5476.0, 5317.0, 5721.0, 5423.0, 5542.0, 5326.0, 5403.0, 5263.0, 5628.0, 5540.0, 5682.0, 5677.0, 5715.0, 5541.0, 5285.0, 5712.0, 5267.0, 5629.0, 5437.0, 5667.0, 5568.0, 5320.0, 5430.0, 5270.0, 5539.0, 5524.0, 5502.0, 5694.0, 5427.0, 5709.0, 5296.0, 5431.0, 5669.0, 5633.0, 5579.0, 5333.0, 5445.0, 5304.0, 5454.0, 5347.0, 5434.0, 5381.0, 5528.0, 5383.0, 5645.0, 5497.0, 5409.0, 5647.0, 5564.0, 5511.0, 5503.0, 5622.0, 5716.0, 5412.0, 5480.0, 5468.0, 5549.0, 5498.0, 5662.0, 5678.0, 5615.0, 5551.0, 5552.0, 5269.0, 5724.0, 5546.0, 5360.0, 5630.0, 5253.0, 5393.0, 5626.0, 5325.0, 5334.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| | | | | | | 5604.0, 5293.0, 5695.0, 5405.0, 5659.0, 5390.0, 5687.0, 5596.0, 5458.0, 5536.0 (number of hits: 6) |
| 27 | 5495.0 | 9 | 1.0 | 333 | 1 | 5504.0, 5680.0, 5553.0, 5638.0, 5599.0, 5367.0, 5589.0, 5610.0, 5669.0, 5388.0, 5264.0, 5704.0, 5506.0, 5400.0, 5621.0, 5306.0, 5468.0, 5402.0, 5507.0, 5475.0, 5443.0, 5588.0, 5409.0, 5648.0, 5325.0, 5609.0, 5318.0, 5600.0, 5601.0, 5487.0, 5710.0, 5329.0, 5454.0, 5279.0, 5404.0, 5549.0, 5285.0, 5339.0, 5531.0, 5420.0, 5688.0, 5342.0, 5343.0, 5711.0, 5359.0, 5384.0, 5702.0, 5439.0, 5251.0, 5319.0, 5687.0, 5650.0, 5459.0, 5717.0, 5681.0, 5445.0, 5640.0, 5403.0, 5470.0, 5637.0, 5252.0, 5626.0, 5335.0, 5418.0, 5693.0, 5357.0, 5337.0, 5629.0, 5447.0, 5355.0, 5577.0, 5478.0, 5501.0, 5411.0, 5571.0, 5558.0, 5307.0, 5579.0, 5300.0, 5254.0, 5473.0, 5544.0, 5593.0, 5396.0, 5358.0, 5380.0, 5382.0, 5590.0, 5462.0, 5614.0, 5460.0, 5446.0, 5652.0, 5259.0, 5573.0, 5474.0, 5641.0, 5370.0, 5434.0, 5381.0 (number of hits: 6) |
| 28 | 5495.0 | 9 | 1.0 | 333 | 1 | 5670.0, 5682.0, 5400.0, 5436.0, 5324.0, 5590.0, 5287.0, 5529.0, 5456.0, 5325.0, 5424.0, 5658.0, 5464.0, 5552.0, 5494.0, 5694.0, 5408.0, 5389.0, 5722.0, 5275.0, 5665.0, 5649.0, 5500.0, 5593.0, 5661.0, 5410.0, 5654.0, 5344.0, 5627.0, 5638.0, 5382.0, 5359.0, 5489.0, 5487.0, 5640.0, 5457.0, 5623.0, 5616.0, 5285.0, 5349.0, 5546.0, 5415.0, 5574.0, 5482.0, 5335.0, 5366.0, 5675.0, 5477.0, 5376.0, 5639.0, 5697.0, 5358.0, 5463.0, 5394.0, 5534.0, 5255.0, 5291.0, 5561.0, 5514.0, 5606.0, 5318.0, 5644.0, 5334.0, 5549.0, 5509.0, 5609.0, 5535.0, 5539.0, 5406.0, 5444.0, 5432.0, 5387.0, 5531.0, 5497.0, 5251.0, 5580.0, 5671.0, 5381.0, 5443.0, 5362.0, 5674.0, 5399.0, 5689.0, 5687.0, 5595.0, 5666.0, 5589.0, 5459.0, 5321.0, 5523.0, 5499.0, 5490.0, 5634.0, 5298.0, 5503.0, 5646.0, 5584.0, 5396.0, 5681.0, 5452.0 (number of hits: 11) |
| 29 | 5495.0 | 9 | 1.0 | 333 | 1 | 5515.0, 5270.0, 5496.0, 5646.0, 5597.0, 5634.0, 5358.0, 5368.0, 5512.0, 5289.0, 5696.0, 5655.0, 5503.0, 5556.0, 5374.0, 5337.0, 5489.0, 5522.0, 5492.0, 5323.0, 5287.0, 5319.0, 5463.0, 5257.0, 5508.0, 5475.0, 5509.0, 5581.0, 5480.0, 5436.0, 5372.0, 5561.0, 5599.0, 5278.0, 5616.0, 5665.0, 5676.0, 5513.0, 5362.0, 5631.0, 5484.0, 5585.0, 5700.0, 5308.0, 5555.0, 5534.0, 5640.0, 5322.0, 5711.0, 5698.0, 5548.0, 5449.0, 5685.0, 5576.0, 5441.0, 5683.0, 5288.0, 5320.0, 5628.0, 5620.0, 5470.0, 5262.0, 5618.0, 5391.0, 5349.0, 5403.0, 5535.0, 5663.0, 5383.0, 5468.0, 5251.0, 5365.0, 5526.0, 5408.0, 5639.0, 5542.0, 5723.0, 5343.0, 5348.0, 5624.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5325.0, 5437.0, 5651.0, 5318.0, 5467.0, 5477.0, 5717.0, 5401.0, 5398.0, 5602.0, 5280.0, 5635.0, 5598.0, 5481.0, 5703.0, 5650.0, 5255.0, 5518.0, 5533.0, 5310.0 (number of hits: 11) |
| 30 | 5495.0 | 9 | 1.0 | 333 | 1 | 5379.0, 5618.0, 5378.0, 5321.0, 5315.0, 5414.0, 5458.0, 5295.0, 5490.0, 5542.0, 5290.0, 5603.0, 5324.0, 5266.0, 5710.0, 5634.0, 5461.0, 5590.0, 5496.0, 5593.0, 5346.0, 5433.0, 5464.0, 5358.0, 5373.0, 5375.0, 5617.0, 5498.0, 5595.0, 5629.0, 5507.0, 5697.0, 5367.0, 5669.0, 5281.0, 5445.0, 5255.0, 5286.0, 5527.0, 5347.0, 5391.0, 5481.0, 5721.0, 5538.0, 5672.0, 5452.0, 5381.0, 5416.0, 5724.0, 5676.0, 5280.0, 5339.0, 5337.0, 5680.0, 5289.0, 5370.0, 5437.0, 5601.0, 5517.0, 5317.0, 5408.0, 5565.0, 5435.0, 5520.0, 5664.0, 5654.0, 5344.0, 5263.0, 5365.0, 5288.0, 5374.0, 5624.0, 5635.0, 5325.0, 5332.0, 5639.0, 5574.0, 5655.0, 5427.0, 5677.0, 5685.0, 5258.0, 5349.0, 5309.0, 5506.0, 5268.0, 5278.0, 5457.0, 5447.0, 5559.0, 5356.0, 5596.0, 5705.0, 5668.0, 5360.0, 5487.0, 5471.0, 5482.0, 5614.0, 5303.0 (number of hits: 8) |

**AP Mode
Iron Radio****5530 MHz, 80 MHz Bandwidth**

| Radar Signal Type | Waveform/Trial Number | Detection (%) | Limit (%) | Pass/Fail |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| Type 1A/1B | 30 | 96.7 % | 60% | Pass |
| Type 2 | 30 | 76.7 % | 60% | Pass |
| Type 3 | 30 | 86.7 % | 60% | Pass |
| Type 4 | 30 | 83.3 % | 60% | Pass |
| Aggregate (Type1 to 4) | 120 | 85.8 % | 80% | Pass |
| Type 5 | 30 | 93.3 % | 80% | Pass |
| Type 6 | 30 | 100 % | 70% | Pass |

Please refer to the following statistical tables:

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

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 61 | 1.0 | 878 | 1 |
| 2 | 95 | 1.0 | 558 | 1 |
| 3 | 83 | 1.0 | 638 | 1 |
| 4 | 70 | 1.0 | 758 | 1 |
| 5 | 99 | 1.0 | 538 | 1 |
| 6 | 62 | 1.0 | 858 | 1 |
| 7 | 59 | 1.0 | 898 | 1 |
| 8 | 65 | 1.0 | 818 | 1 |
| 9 | 86 | 1.0 | 618 | 1 |
| 10 | 57 | 1.0 | 938 | 1 |
| 11 | 92 | 1.0 | 578 | 1 |
| 12 | 74 | 1.0 | 718 | 0 |
| 13 | 67 | 1.0 | 798 | 1 |
| 14 | 78 | 1.0 | 678 | 1 |
| 15 | 89 | 1.0 | 598 | 1 |
| 16 | 26 | 1.0 | 2080 | 1 |
| 17 | 53 | 1.0 | 1005 | 1 |
| 18 | 65 | 1.0 | 821 | 1 |
| 19 | 52 | 1.0 | 1027 | 1 |
| 20 | 26 | 1.0 | 2039 | 1 |
| 21 | 32 | 1.0 | 1660 | 1 |
| 22 | 19 | 1.0 | 2930 | 1 |
| 23 | 48 | 1.0 | 1100 | 1 |
| 24 | 20 | 1.0 | 2712 | 1 |
| 25 | 19 | 1.0 | 2911 | 1 |
| 26 | 41 | 1.0 | 1288 | 1 |
| 27 | 22 | 1.0 | 2447 | 1 |
| 28 | 22 | 1.0 | 2457 | 1 |
| 29 | 51 | 1.0 | 1036 | 1 |
| 30 | 25 | 1.0 | 2152 | 1 |
| Detection Percentage: 96.7 % (>60%) | | | | |

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

| Trial # | Pulse/Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) |
|--|-------------|------------------|----------|-------------------------|
| 1 | 29 | 4.9 | 160 | 0 |
| 2 | 24 | 1.9 | 220 | 1 |
| 3 | 29 | 3.8 | 171 | 1 |
| 4 | 23 | 1.8 | 156 | 1 |
| 5 | 25 | 4.1 | 175 | 0 |
| 6 | 25 | 2.8 | 164 | 1 |
| 7 | 24 | 3.8 | 195 | 1 |
| 8 | 26 | 2.2 | 208 | 1 |
| 9 | 23 | 4.3 | 167 | 1 |
| 10 | 27 | 4.7 | 208 | 1 |
| 11 | 28 | 4.3 | 229 | 0 |
| 12 | 23 | 4.1 | 159 | 1 |
| 13 | 27 | 5.0 | 151 | 1 |
| 14 | 28 | 3.8 | 172 | 1 |
| 15 | 29 | 4.7 | 177 | 1 |
| 16 | 26 | 4.4 | 175 | 0 |
| 17 | 24 | 2.8 | 203 | 1 |
| 18 | 28 | 2.4 | 158 | 1 |
| 19 | 29 | 2.5 | 157 | 1 |
| 20 | 26 | 1.2 | 190 | 1 |
| 21 | 23 | 2.0 | 157 | 0 |
| 22 | 23 | 4.0 | 222 | 1 |
| 23 | 24 | 4.7 | 207 | 0 |
| 24 | 24 | 3.3 | 175 | 1 |
| 25 | 25 | 2.5 | 161 | 1 |
| 26 | 24 | 3.2 | 223 | 0 |
| 27 | 26 | 2.8 | 229 | 1 |
| 28 | 25 | 2.4 | 218 | 1 |
| 29 | 29 | 2.2 | 198 | 1 |
| 30 | 29 | 1.1 | 210 | 1 |
| Detection Percentage: 76.7% (>60%) | | | | |

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

| Trial # | Pulse/Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) |
|---|-------------|------------------|----------|-------------------------|
| 1 | 18 | 7.6 | 255 | 1 |
| 2 | 16 | 6.0 | 423 | 1 |
| 3 | 16 | 6.1 | 363 | 1 |
| 4 | 16 | 8.7 | 264 | 1 |
| 5 | 17 | 7.0 | 315 | 1 |
| 6 | 18 | 7.5 | 276 | 1 |
| 7 | 18 | 7.4 | 478 | 0 |
| 8 | 17 | 8.2 | 202 | 1 |
| 9 | 16 | 6.7 | 321 | 1 |
| 10 | 16 | 6.5 | 237 | 0 |
| 11 | 17 | 9.8 | 331 | 1 |
| 12 | 16 | 6.7 | 308 | 1 |
| 13 | 16 | 8.7 | 379 | 1 |
| 14 | 16 | 8.2 | 481 | 1 |
| 15 | 18 | 9.8 | 348 | 1 |
| 16 | 18 | 9.3 | 343 | 1 |
| 17 | 18 | 6.4 | 422 | 1 |
| 18 | 16 | 7.2 | 393 | 1 |
| 19 | 18 | 9.3 | 382 | 1 |
| 20 | 16 | 9.9 | 484 | 1 |
| 21 | 18 | 6.4 | 240 | 1 |
| 22 | 16 | 8.2 | 374 | 1 |
| 23 | 16 | 6.4 | 487 | 1 |
| 24 | 18 | 6.7 | 248 | 1 |
| 25 | 18 | 7.5 | 352 | 0 |
| 26 | 17 | 6.2 | 341 | 1 |
| 27 | 17 | 7.0 | 296 | 0 |
| 28 | 17 | 6.2 | 379 | 1 |
| 29 | 17 | 9.9 | 361 | 1 |
| 30 | 17 | 7.6 | 383 | 1 |
| Detection Percentage: 86.7 % (>60%) | | | | |

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

| Trial # | Pulse/Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) |
|---|-------------|------------------|----------|-------------------------|
| 1 | 12 | 14.7 | 488 | 1 |
| 2 | 13 | 15.6 | 342 | 1 |
| 3 | 16 | 18.7 | 412 | 1 |
| 4 | 15 | 14.5 | 385 | 1 |
| 5 | 14 | 15.8 | 246 | 1 |
| 6 | 15 | 18.5 | 407 | 1 |
| 7 | 16 | 18.1 | 255 | 0 |
| 8 | 15 | 19.9 | 335 | 1 |
| 9 | 13 | 16.3 | 232 | 1 |
| 10 | 12 | 17.9 | 350 | 1 |
| 11 | 15 | 19.3 | 319 | 1 |
| 12 | 15 | 15.6 | 412 | 0 |
| 13 | 13 | 13.9 | 235 | 1 |
| 14 | 13 | 11.0 | 209 | 0 |
| 15 | 16 | 15.6 | 316 | 1 |
| 16 | 13 | 13.7 | 499 | 1 |
| 17 | 15 | 15.0 | 435 | 1 |
| 18 | 16 | 11.2 | 336 | 1 |
| 19 | 14 | 18.9 | 350 | 1 |
| 20 | 12 | 13.0 | 230 | 1 |
| 21 | 12 | 11.4 | 229 | 1 |
| 22 | 14 | 12.5 | 331 | 1 |
| 23 | 13 | 12.2 | 351 | 1 |
| 24 | 15 | 12.7 | 373 | 1 |
| 25 | 14 | 17.8 | 390 | 1 |
| 26 | 16 | 14.1 | 271 | 1 |
| 27 | 15 | 15.4 | 353 | 1 |
| 28 | 13 | 11.1 | 373 | 0 |
| 29 | 15 | 11.1 | 306 | 0 |
| 30 | 14 | 14.3 | 452 | 1 |
| Detection Percentage: 83.3 % (>60%) | | | | |

Table-5 Radar Type 5 Statistical Performance

| Trial # | Fc (MHz) | Detection (1:yes; 0:no) |
|---|-----------------|--------------------------------|
| 1 | 5530 | 1 |
| 2 | 5530 | 1 |
| 3 | 5530 | 1 |
| 4 | 5530 | 1 |
| 5 | 5530 | 1 |
| 6 | 5530 | 1 |
| 7 | 5530 | 1 |
| 8 | 5530 | 1 |
| 9 | 5530 | 1 |
| 10 | 5530 | 1 |
| 11 | 5498.5 | 1 |
| 12 | 5497.3 | 1 |
| 13 | 5500.5 | 1 |
| 14 | 5496.9 | 1 |
| 15 | 5496.1 | 1 |
| 16 | 5498.1 | 1 |
| 17 | 5500.1 | 1 |
| 18 | 5499.3 | 1 |
| 19 | 5497.3 | 1 |
| 20 | 5494.9 | 1 |
| 21 | 5561.8 | 1 |
| 22 | 5561.0 | 1 |
| 23 | 5559.0 | 1 |
| 24 | 5561.4 | 1 |
| 25 | 5563.8 | 0 |
| 26 | 5562.2 | 1 |
| 27 | 5561.4 | 1 |
| 28 | 5561.0 | 1 |
| 29 | 5560.2 | 1 |
| 30 | 5565.0 | 0 |
| Detection Percentage: 93.3 % (>80%) | | |

Bin5 Statistics 1

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 15 | 58.6 | 1143 | 1938 | 0.505519 | 1 |
| 1 | 2 | 15 | 63.1 | 1853 | | 0.668165 | |
| 2 | 3 | 15 | 85.1 | 1077 | 1411 | 1.611632 | |
| 3 | 2 | 15 | 77.8 | 1304 | | 2.556072 | |
| 4 | 2 | 15 | 86.0 | 1587 | | 3.307966 | |
| 5 | 1 | 15 | 95.1 | | | 3.725272 | |
| 6 | 2 | 15 | 78.8 | 1892 | | 4.053868 | |
| 7 | 2 | 15 | 63.1 | 1065 | | 5.305222 | |
| 8 | 3 | 15 | 91.9 | 1770 | 1987 | 5.425599 | |
| 9 | 2 | 15 | 57.1 | 1629 | | 6.313381 | |
| 10 | 2 | 15 | 84.3 | 1054 | | 7.129445 | |
| 11 | 2 | 15 | 66.6 | 1466 | | 7.695738 | |
| 12 | 2 | 15 | 82.5 | 1584 | | 8.622886 | |
| 13 | 2 | 15 | 80.6 | 1701 | | 8.796964 | |
| 14 | 1 | 15 | 50.4 | | | 9.993731 | |
| 15 | 2 | 15 | 50.1 | 1665 | | 10.192435 | |
| 16 | 1 | 15 | 60.4 | | | 10.776587 | |
| 17 | 2 | 15 | 87.7 | 1322 | | 11.390350 | |

Bin5 Statistics 2

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 6 | 97.4 | 1367 | | 0.017529 | 1 |
| 1 | 2 | 6 | 54.7 | 1616 | | 1.523524 | |
| 2 | 1 | 6 | 70.2 | | | 2.289516 | |
| 3 | 2 | 6 | 70.3 | 1846 | | 2.919977 | |
| 4 | 2 | 6 | 93.5 | 1102 | | 4.449993 | |
| 5 | 2 | 6 | 64.0 | 1146 | | 5.282128 | |
| 6 | 3 | 6 | 57.2 | 1472 | 1629 | 5.972860 | |
| 7 | 3 | 6 | 52.7 | 1069 | 1091 | 7.167107 | |
| 8 | 2 | 6 | 53.9 | 1138 | | 7.996745 | |
| 9 | 1 | 6 | 89.2 | | | 8.472205 | |
| 10 | 2 | 6 | 70.3 | 1823 | | 9.903039 | |
| 11 | 3 | 6 | 80.8 | 1105 | 1129 | 10.749911 | |
| 12 | 1 | 6 | 94.5 | | | 11.668125 | |

Bin5 Statistics 3

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 11 | 55.6 | 1179 | 1493 | 0.058282 | 1 |
| 1 | 2 | 11 | 83.9 | 1229 | | 1.740236 | |
| 2 | 2 | 11 | 76.4 | 1852 | | 3.492707 | |
| 3 | 2 | 11 | 74.5 | 1712 | | 5.962575 | |
| 4 | 1 | 11 | 51.0 | | | 6.102739 | |
| 5 | 3 | 11 | 55.5 | 1060 | 1517 | 8.211171 | |
| 6 | 2 | 11 | 86.0 | 1297 | | 9.261450 | |
| 7 | 3 | 11 | 93.0 | 1888 | 1982 | 11.021861 | |

Bin5 Statistics 4

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 11 | 60.9 | | | 0.292191 | 1 |
| 1 | 1 | 11 | 86.2 | | | 1.032458 | |
| 2 | 2 | 11 | 88.4 | 1799 | | 1.766823 | |
| 3 | 3 | 11 | 78.1 | 1945 | 1065 | 2.477353 | |
| 4 | 2 | 11 | 72.4 | 1745 | | 3.581058 | |
| 5 | 2 | 11 | 51.1 | 1815 | | 4.228105 | |
| 6 | 2 | 11 | 65.4 | 1300 | | 5.202306 | |
| 7 | 3 | 11 | 73.7 | 1079 | 1400 | 6.186427 | |
| 8 | 2 | 11 | 67.3 | 1196 | | 7.040327 | |
| 9 | 2 | 11 | 93.4 | 1396 | | 7.928682 | |
| 10 | 3 | 11 | 78.4 | 1788 | 1445 | 8.780611 | |
| 11 | 2 | 11 | 77.6 | 1472 | | 9.187074 | |
| 12 | 2 | 11 | 65.2 | 1529 | | 9.651651 | |
| 13 | 2 | 11 | 84.3 | 1198 | | 10.599423 | |
| 14 | 2 | 11 | 74.0 | 1665 | | 11.780682 | |

Bin5 Statistics 5

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 10 | 59.3 | | | 0.892458 | 1 |
| 1 | 3 | 10 | 89.4 | 1507 | 1014 | 2.927942 | |
| 2 | 2 | 10 | 53.5 | 1730 | | 3.726430 | |
| 3 | 3 | 10 | 72.0 | 1069 | 1679 | 4.685502 | |
| 4 | 1 | 10 | 99.4 | | | 6.165109 | |
| 5 | 2 | 10 | 71.6 | 1151 | | 8.168383 | |
| 6 | 1 | 10 | 79.8 | | | 9.197204 | |
| 7 | 2 | 10 | 69.0 | 1926 | | 11.094907 | |

Bin5 Statistics 6

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 9 | 54.3 | | | 0.139449 | 1 |
| 1 | 2 | 9 | 54.5 | 1295 | | 1.498831 | |
| 2 | 2 | 9 | 54.1 | 1951 | | 2.858354 | |
| 3 | 2 | 9 | 93.2 | 1072 | | 4.669658 | |
| 4 | 2 | 9 | 67.5 | 1207 | | 5.392763 | |
| 5 | 3 | 9 | 64.3 | 1220 | 1602 | 6.900677 | |
| 6 | 3 | 9 | 96.8 | 1238 | 1611 | 8.730944 | |
| 7 | 1 | 9 | 75.8 | | | 10.032369 | |
| 8 | 3 | 9 | 73.9 | 1555 | 1686 | 11.061180 | |

Bin5 Statistics 7

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 5 | 52.3 | 1613 | | 0.023228 | 1 |
| 1 | 2 | 5 | 93.3 | 1847 | | 1.936118 | |
| 2 | 3 | 5 | 81.8 | 1481 | 1728 | 3.206222 | |
| 3 | 3 | 5 | 72.4 | 1562 | 1136 | 3.709679 | |
| 4 | 2 | 5 | 85.5 | 1067 | | 5.244897 | |
| 5 | 3 | 5 | 81.3 | 1479 | 1675 | 6.488784 | |
| 6 | 2 | 5 | 92.1 | 1977 | | 7.944250 | |
| 7 | 1 | 5 | 68.7 | | | 8.470847 | |
| 8 | 3 | 5 | 66.9 | 1105 | 1140 | 9.725405 | |
| 9 | 2 | 5 | 50.4 | 1293 | | 11.588406 | |

Bin5 Statistics 8

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 15 | 84.7 | 1191 | | 0.615968 | 1 |
| 1 | 2 | 15 | 85.3 | 1413 | | 1.688551 | |
| 2 | 1 | 15 | 99.9 | | | 2.153924 | |
| 3 | 2 | 15 | 81.7 | 1127 | | 3.120872 | |
| 4 | 2 | 15 | 61.2 | 1192 | | 4.196887 | |
| 5 | 3 | 15 | 72.7 | 1676 | 1331 | 5.379624 | |
| 6 | 2 | 15 | 67.8 | 1866 | | 6.047979 | |
| 7 | 2 | 15 | 91.2 | 1350 | | 7.793513 | |
| 8 | 2 | 15 | 90.9 | 1102 | | 8.900362 | |
| 9 | 2 | 15 | 99.8 | 1243 | | 9.582116 | |
| 10 | 3 | 15 | 83.9 | 1611 | 1671 | 10.478510 | |
| 11 | 2 | 15 | 60.8 | 1125 | | 11.869782 | |

Bin5 Statistics 9

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 7 | 63.0 | 1500 | | 0.514358 | 1 |
| 1 | 3 | 7 | 71.0 | 1157 | 1234 | 0.891301 | |
| 2 | 2 | 7 | 59.2 | 1708 | | 1.618293 | |
| 3 | 1 | 7 | 74.3 | | | 2.547377 | |
| 4 | 1 | 7 | 54.8 | | | 3.828572 | |
| 5 | 1 | 7 | 69.5 | | | 4.328186 | |
| 6 | 2 | 7 | 85.8 | 1395 | | 5.067161 | |
| 7 | 2 | 7 | 54.1 | 1714 | | 6.285763 | |
| 8 | 3 | 7 | 78.2 | 1708 | 1370 | 7.178025 | |
| 9 | 2 | 7 | 61.3 | 1495 | | 7.811128 | |
| 10 | 2 | 7 | 90.5 | 1686 | | 8.152245 | |
| 11 | 2 | 7 | 55.4 | 1941 | | 9.026858 | |
| 12 | 3 | 7 | 82.0 | 1252 | 1757 | 9.870081 | |
| 13 | 2 | 7 | 58.0 | 1802 | | 10.653827 | |
| 14 | 3 | 7 | 88.3 | 1519 | 1830 | 11.895565 | |

Bin5 Statistics 10

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 15 | 60.3 | 1774 | | 0.865196 | 1 |
| 1 | 2 | 15 | 93.7 | 1097 | | 1.412350 | |
| 2 | 2 | 15 | 92.1 | 1798 | | 3.577471 | |
| 3 | 1 | 15 | 90.2 | | | 5.041044 | |
| 4 | 3 | 15 | 67.5 | 1154 | 1872 | 6.621752 | |
| 5 | 1 | 15 | 88.0 | | | 7.218775 | |
| 6 | 2 | 15 | 81.6 | 1476 | | 8.017971 | |
| 7 | 1 | 15 | 80.7 | | | 10.649807 | |
| 8 | 3 | 15 | 98.8 | 1885 | 1730 | 11.943411 | |

Bin5 Statistics 11

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 15 | 78.1 | | | 0.518418 | 1 |
| 1 | 1 | 15 | 60.7 | | | 1.230941 | |
| 2 | 3 | 15 | 93.8 | 1775 | 1270 | 1.549959 | |
| 3 | 2 | 15 | 62.2 | 1442 | | 2.455491 | |
| 4 | 1 | 15 | 63.1 | | | 3.463080 | |
| 5 | 1 | 15 | 60.9 | | | 4.184631 | |
| 6 | 2 | 15 | 75.9 | 1683 | | 4.864261 | |
| 7 | 1 | 15 | 88.1 | | | 5.667671 | |
| 8 | 2 | 15 | 53.7 | 1915 | | 6.368579 | |
| 9 | 1 | 15 | 60.6 | | | 7.295523 | |
| 10 | 2 | 15 | 75.2 | 1367 | | 7.977462 | |
| 11 | 2 | 15 | 78.8 | 1445 | | 8.848051 | |
| 12 | 2 | 15 | 50.4 | 1993 | | 9.260420 | |
| 13 | 2 | 15 | 80.9 | 1677 | | 10.310743 | |
| 14 | 1 | 15 | 83.7 | | | 10.819059 | |
| 15 | 1 | 15 | 76.7 | | | 11.770678 | |

Bin5 Statistics 12

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 12 | 62.5 | 1560 | 1189 | 0.737480 | 1 |
| 1 | 2 | 12 | 64.7 | 1726 | | 1.294726 | |
| 2 | 1 | 12 | 88.5 | | | 2.892927 | |
| 3 | 2 | 12 | 51.8 | 1672 | | 3.686815 | |
| 4 | 2 | 12 | 92.1 | 1784 | | 4.401630 | |
| 5 | 2 | 12 | 57.2 | 1085 | | 5.486977 | |
| 6 | 2 | 12 | 65.3 | 1422 | | 6.796703 | |
| 7 | 1 | 12 | 78.9 | | | 7.788111 | |
| 8 | 2 | 12 | 92.2 | 1537 | | 8.227559 | |
| 9 | 2 | 12 | 60.5 | 1031 | | 9.788684 | |
| 10 | 2 | 12 | 69.4 | 1200 | | 10.540924 | |
| 11 | 2 | 12 | 83.8 | 1040 | | 11.964292 | |

Bin5 Statistics 13

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 20 | 53.7 | | | 0.442766 | 1 |
| 1 | 1 | 20 | 98.9 | | | 1.297630 | |
| 2 | 2 | 20 | 51.7 | 1932 | | 1.341773 | |
| 3 | 2 | 20 | 84.6 | 1019 | | 2.330135 | |
| 4 | 1 | 20 | 82.9 | | | 2.924153 | |
| 5 | 1 | 20 | 99.9 | | | 3.644716 | |
| 6 | 2 | 20 | 85.0 | 1135 | | 4.028543 | |
| 7 | 1 | 20 | 68.3 | | | 5.114382 | |
| 8 | 1 | 20 | 96.2 | | | 5.996805 | |
| 9 | 2 | 20 | 68.7 | 1313 | | 6.468260 | |
| 10 | 1 | 20 | 51.0 | | | 7.089596 | |
| 11 | 2 | 20 | 70.6 | 1108 | | 7.686352 | |
| 12 | 3 | 20 | 73.1 | 1668 | 1797 | 8.076022 | |
| 13 | 2 | 20 | 63.8 | 1578 | | 8.913833 | |
| 14 | 3 | 20 | 64.9 | 1352 | 1190 | 9.954902 | |
| 15 | 3 | 20 | 76.3 | 1363 | 1166 | 10.207596 | |
| 16 | 2 | 20 | 81.4 | 1634 | | 11.299445 | |
| 17 | 3 | 20 | 98.8 | 1100 | 1724 | 11.431531 | |

Bin5 Statistics 14

| 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 | 11 | 96.5 | 1313 | | 0.198547 | 1 |
| 1 | 1 | 11 | 84.4 | | | 1.735882 | |
| 2 | 3 | 11 | 63.0 | 1161 | 1467 | 2.785696 | |
| 3 | 2 | 11 | 51.3 | 1690 | | 4.036968 | |
| 4 | 1 | 11 | 86.7 | | | 5.213507 | |
| 5 | 2 | 11 | 66.8 | 1149 | | 6.461070 | |
| 6 | 2 | 11 | 86.7 | 1576 | | 7.593039 | |
| 7 | 2 | 11 | 89.0 | 1609 | | 8.007770 | |
| 8 | 2 | 11 | 84.9 | 1143 | | 9.505346 | |
| 9 | 3 | 11 | 57.9 | 1637 | 1713 | 10.482097 | |
| 10 | 2 | 11 | 54.6 | 1245 | | 11.784450 | |

Bin5 Statistics 15

| 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 | 9 | 63.4 | 1367 | 1278 | 0.217364 | 1 |
| 1 | 2 | 9 | 85.4 | 1760 | | 1.165635 | |
| 2 | 2 | 9 | 74.8 | 1010 | | 1.716341 | |
| 3 | 2 | 9 | 70.1 | 1977 | | 2.186348 | |
| 4 | 2 | 9 | 88.4 | 1410 | | 2.796154 | |
| 5 | 2 | 9 | 55.8 | 1274 | | 3.648584 | |
| 6 | 2 | 9 | 68.5 | 1465 | | 3.927837 | |
| 7 | 3 | 9 | 56.3 | 1262 | 1207 | 4.612849 | |
| 8 | 2 | 9 | 72.2 | 1391 | | 5.514611 | |
| 9 | 3 | 9 | 86.2 | 1209 | 1256 | 5.752939 | |
| 10 | 3 | 9 | 84.1 | 1173 | 1574 | 6.860368 | |
| 11 | 3 | 9 | 86.7 | 1025 | 1437 | 6.953263 | |
| 12 | 3 | 9 | 90.0 | 1906 | 1035 | 8.198874 | |
| 13 | 1 | 9 | 95.8 | | | 8.297342 | |
| 14 | 2 | 9 | 62.9 | 1808 | | 9.318462 | |
| 15 | 2 | 9 | 88.3 | 1122 | | 9.957028 | |
| 16 | 3 | 9 | 99.2 | 1285 | 1707 | 10.157184 | |
| 17 | 2 | 9 | 82.5 | 1423 | | 11.268214 | |
| 18 | 1 | 9 | 78.1 | | | 11.964633 | |

Bin5 Statistics 16

| 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 | 14 | 64.1 | 1057 | 1175 | 0.601109 | 1 |
| 1 | 1 | 14 | 85.5 | | | 1.028804 | |
| 2 | 2 | 14 | 66.8 | 1758 | | 1.660881 | |
| 3 | 2 | 14 | 54.9 | 1123 | | 2.245011 | |
| 4 | 1 | 14 | 73.7 | | | 3.507427 | |
| 5 | 2 | 14 | 51.3 | 1444 | | 4.010782 | |
| 6 | 2 | 14 | 53.8 | 1308 | | 4.733663 | |
| 7 | 1 | 14 | 79.2 | | | 4.961727 | |
| 8 | 2 | 14 | 55.9 | 1320 | | 6.167755 | |
| 9 | 2 | 14 | 88.1 | 1536 | | 6.736075 | |
| 10 | 2 | 14 | 95.7 | 1468 | | 7.261850 | |
| 11 | 1 | 14 | 95.9 | | | 7.803493 | |
| 12 | 2 | 14 | 94.7 | 1716 | | 8.623654 | |
| 13 | 3 | 14 | 98.7 | 1489 | 1705 | 9.419591 | |
| 14 | 2 | 14 | 70.1 | 1288 | | 10.417668 | |
| 15 | 2 | 14 | 92.5 | 1066 | | 11.013590 | |
| 16 | 1 | 14 | 85.5 | | | 11.632825 | |

Bin5 Statistics 17

| 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 | 1 | 19 | 63.8 | | | 0.630654 | 1 |
| 1 | 1 | 19 | 60.2 | | | 0.917317 | |
| 2 | 3 | 19 | 64.6 | 1783 | 1312 | 1.897465 | |
| 3 | 2 | 19 | 54.5 | 1813 | | 2.371167 | |
| 4 | 3 | 19 | 59.2 | 1388 | 1230 | 3.038420 | |
| 5 | 2 | 19 | 78.6 | 1754 | | 3.831604 | |
| 6 | 1 | 19 | 87.2 | | | 4.452383 | |
| 7 | 1 | 19 | 58.0 | | | 5.093005 | |
| 8 | 2 | 19 | 52.5 | 1069 | | 5.917126 | |
| 9 | 3 | 19 | 87.0 | 1929 | 1340 | 6.662981 | |
| 10 | 1 | 19 | 66.9 | | | 7.664107 | |
| 11 | 2 | 19 | 68.9 | 1033 | | 7.816900 | |
| 12 | 2 | 19 | 74.8 | 1183 | | 9.109497 | |
| 13 | 3 | 19 | 89.9 | 1533 | 1328 | 9.680797 | |
| 14 | 1 | 19 | 97.8 | | | 10.005527 | |
| 15 | 1 | 19 | 81.5 | | | 10.646516 | |
| 16 | 3 | 19 | 66.0 | 1462 | 1390 | 11.565155 | |

Bin5 Statistics 18

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 17 | 55.8 | | | 0.201548 | 1 |
| 1 | 3 | 17 | 61.9 | 1643 | 1608 | 1.305289 | |
| 2 | 2 | 17 | 64.0 | 1152 | | 2.768878 | |
| 3 | 2 | 17 | 75.2 | 1677 | | 3.102996 | |
| 4 | 1 | 17 | 99.6 | | | 4.566462 | |
| 5 | 2 | 17 | 55.7 | 1828 | | 5.508014 | |
| 6 | 1 | 17 | 90.8 | | | 6.495777 | |
| 7 | 3 | 17 | 88.7 | 1753 | 1991 | 7.696801 | |
| 8 | 1 | 17 | 68.6 | | | 8.560089 | |
| 9 | 2 | 17 | 54.6 | 1096 | | 9.794949 | |
| 10 | 2 | 17 | 56.8 | 1936 | | 10.330690 | |
| 11 | 3 | 17 | 74.2 | 1048 | 1654 | 11.603036 | |

Bin5 Statistics 19

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 12 | 76.7 | | | 0.860670 | 1 |
| 1 | 3 | 12 | 83.3 | 1437 | 1503 | 1.967311 | |
| 2 | 2 | 12 | 73.5 | 1013 | | 2.554566 | |
| 3 | 3 | 12 | 79.3 | 1908 | 1926 | 4.126327 | |
| 4 | 1 | 12 | 52.9 | | | 5.071433 | |
| 5 | 2 | 12 | 73.0 | 1700 | | 6.865276 | |
| 6 | 2 | 12 | 90.0 | 1678 | | 8.061274 | |
| 7 | 1 | 12 | 58.4 | | | 9.106108 | |
| 8 | 2 | 12 | 87.1 | 1842 | | 9.679482 | |
| 9 | 3 | 12 | 93.5 | 1931 | 1302 | 11.390446 | |

Bin5 Statistics 20

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 6 | 77.7 | 1695 | | 0.674761 | 1 |
| 1 | 3 | 6 | 55.2 | 1184 | 1477 | 1.573583 | |
| 2 | 3 | 6 | 68.9 | 1693 | 1293 | 2.609751 | |
| 3 | 1 | 6 | 88.9 | | | 4.127557 | |
| 4 | 1 | 6 | 79.1 | | | 5.427473 | |
| 5 | 2 | 6 | 97.8 | 1866 | | 6.268161 | |
| 6 | 2 | 6 | 72.8 | 1249 | | 8.151307 | |
| 7 | 2 | 6 | 58.6 | 1932 | | 8.701770 | |
| 8 | 2 | 6 | 56.1 | 1529 | | 10.468029 | |
| 9 | 1 | 6 | 62.5 | | | 11.441196 | |

Bin5 Statistics 21

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 13 | 52.2 | | | 0.342147 | 1 |
| 1 | 2 | 13 | 69.7 | 1650 | | 1.304585 | |
| 2 | 1 | 13 | 82.7 | | | 1.983078 | |
| 3 | 3 | 13 | 92.7 | 1564 | 1984 | 2.687316 | |
| 4 | 2 | 13 | 67.1 | 1577 | | 3.471463 | |
| 5 | 2 | 13 | 94.9 | 1022 | | 4.445011 | |
| 6 | 2 | 13 | 55.2 | 1637 | | 5.092454 | |
| 7 | 1 | 13 | 90.0 | | | 5.503943 | |
| 8 | 2 | 13 | 72.8 | 1424 | | 6.431032 | |
| 9 | 2 | 13 | 65.8 | 1923 | | 6.806412 | |
| 10 | 2 | 13 | 81.8 | 1319 | | 7.936715 | |
| 11 | 2 | 13 | 67.2 | 1338 | | 8.992064 | |
| 12 | 3 | 13 | 69.4 | 1281 | 1029 | 9.115083 | |
| 13 | 2 | 13 | 69.1 | 1585 | | 10.448925 | |
| 14 | 2 | 13 | 85.6 | 1211 | | 11.024596 | |
| 15 | 2 | 13 | 86.3 | 1190 | | 11.984784 | |

Bin5 Statistics 22

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|----------------|--------------|--------------------|-------------------------|-------------------------------|-------------------------------|-----------------------|--------------------------------|
| 0 | 1 | 15 | 59.1 | | | 1.070338 | 1 |
| 1 | 2 | 15 | 87.3 | 1324 | | 1.631828 | |
| 2 | 3 | 15 | 53.7 | 1694 | 1825 | 3.246013 | |
| 3 | 2 | 15 | 99.8 | 1597 | | 4.107045 | |
| 4 | 3 | 15 | 52.6 | 1422 | 1241 | 4.818603 | |
| 5 | 1 | 15 | 65.9 | | | 6.742026 | |
| 6 | 2 | 15 | 50.4 | 1507 | | 7.554564 | |
| 7 | 1 | 15 | 91.5 | | | 8.610118 | |
| 8 | 1 | 15 | 57.7 | | | 10.113881 | |
| 9 | 1 | 15 | 80.3 | | | 11.995380 | |

Bin5 Statistics 23

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 20 | 96.7 | | | 0.377120 | 1 |
| 1 | 2 | 20 | 80.2 | 1075 | | 0.776139 | |
| 2 | 2 | 20 | 97.5 | 1295 | | 1.474924 | |
| 3 | 2 | 20 | 70.1 | 1369 | | 2.646136 | |
| 4 | 2 | 20 | 99.9 | 1779 | | 3.246201 | |
| 5 | 2 | 20 | 71.6 | 1728 | | 4.025559 | |
| 6 | 2 | 20 | 60.4 | 1267 | | 4.844783 | |
| 7 | 2 | 20 | 74.9 | 1088 | | 5.144634 | |
| 8 | 1 | 20 | 83.7 | | | 5.968138 | |
| 9 | 1 | 20 | 73.2 | | | 6.734314 | |
| 10 | 2 | 20 | 71.5 | 1993 | | 7.467833 | |
| 11 | 2 | 20 | 68.6 | 1818 | | 7.825945 | |
| 12 | 2 | 20 | 70.8 | 1035 | | 8.960843 | |
| 13 | 2 | 20 | 52.7 | 1784 | | 9.339169 | |
| 14 | 3 | 20 | 97.2 | 1191 | 1037 | 9.920111 | |
| 15 | 1 | 20 | 89.3 | | | 10.891624 | |
| 16 | 2 | 20 | 99.6 | 1111 | | 11.864678 | |

Bin5 Statistics 24

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 14 | 71.1 | 1537 | 1644 | 0.376522 | 1 |
| 1 | 2 | 14 | 53.3 | 1654 | | 1.117278 | |
| 2 | 2 | 14 | 86.0 | 1187 | | 1.694788 | |
| 3 | 3 | 14 | 93.9 | 1895 | 1734 | 2.285694 | |
| 4 | 3 | 14 | 97.1 | 1295 | 1034 | 2.405961 | |
| 5 | 1 | 14 | 61.8 | | | 3.523400 | |
| 6 | 2 | 14 | 83.0 | 1730 | | 3.618414 | |
| 7 | 2 | 14 | 52.8 | 1718 | | 4.594416 | |
| 8 | 3 | 14 | 99.2 | 1918 | 1762 | 5.222970 | |
| 9 | 1 | 14 | 59.2 | | | 5.860646 | |
| 10 | 2 | 14 | 80.9 | 1101 | | 6.056509 | |
| 11 | 3 | 14 | 71.9 | 1404 | 1549 | 6.611473 | |
| 12 | 2 | 14 | 50.8 | 1812 | | 7.232418 | |
| 13 | 3 | 14 | 68.6 | 1635 | 1529 | 8.251770 | |
| 14 | 1 | 14 | 90.0 | | | 8.832948 | |
| 15 | 3 | 14 | 59.3 | 1886 | 1532 | 9.256588 | |
| 16 | 2 | 14 | 74.9 | 1561 | | 10.036656 | |
| 17 | 3 | 14 | 92.7 | 1737 | 1826 | 10.367530 | |
| 18 | 1 | 14 | 53.5 | | | 11.284256 | |
| 19 | 1 | 14 | 63.6 | | | 11.450078 | |

Bin5 Statistics 25

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 8 | 90.4 | 1456 | 1944 | 0.746711 | 0 |
| 1 | 3 | 8 | 53.2 | 1691 | 1606 | 1.135961 | |
| 2 | 3 | 8 | 52.8 | 1249 | 1783 | 1.920463 | |
| 3 | 1 | 8 | 75.9 | | | 2.935058 | |
| 4 | 1 | 8 | 99.1 | | | 4.066861 | |
| 5 | 2 | 8 | 98.3 | 1177 | | 5.024831 | |
| 6 | 2 | 8 | 76.7 | 1255 | | 5.213421 | |
| 7 | 3 | 8 | 72.6 | 1241 | 1017 | 6.168754 | |
| 8 | 3 | 8 | 75.8 | 1239 | 1568 | 7.414638 | |
| 9 | 2 | 8 | 75.2 | 1662 | | 8.293982 | |
| 10 | 2 | 8 | 66.5 | 1003 | | 9.141264 | |
| 11 | 3 | 8 | 86.2 | 1659 | 1723 | 10.019431 | |
| 12 | 2 | 8 | 90.3 | 1216 | | 10.580056 | |
| 13 | 2 | 8 | 87.1 | 1837 | | 11.670328 | |

Bin5 Statistics 26

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 12 | 68.6 | 1247 | | 0.934473 | 1 |
| 1 | 2 | 12 | 69.5 | 1612 | | 1.455387 | |
| 2 | 3 | 12 | 84.7 | 1637 | 1832 | 3.429596 | |
| 3 | 2 | 12 | 73.6 | 1692 | | 4.855597 | |
| 4 | 2 | 12 | 73.2 | 1412 | | 5.763305 | |
| 5 | 2 | 12 | 65.1 | 1558 | | 7.193928 | |
| 6 | 3 | 12 | 71.3 | 1422 | 1848 | 9.109913 | |
| 7 | 1 | 12 | 65.4 | | | 9.427062 | |
| 8 | 3 | 12 | 54.7 | 1260 | 1395 | 11.445870 | |

Bin5 Statistics 27

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 14 | 96.1 | 1117 | 1350 | 0.435189 | 1 |
| 1 | 2 | 14 | 73.9 | 1419 | | 1.288601 | |
| 2 | 2 | 14 | 88.3 | 1838 | | 1.828204 | |
| 3 | 2 | 14 | 58.6 | 1672 | | 3.309827 | |
| 4 | 1 | 14 | 63.5 | | | 3.606157 | |
| 5 | 2 | 14 | 81.2 | 1582 | | 4.743365 | |
| 6 | 3 | 14 | 65.2 | 1609 | 1759 | 5.760647 | |
| 7 | 1 | 14 | 91.1 | | | 6.173274 | |
| 8 | 2 | 14 | 77.9 | 1874 | | 7.158472 | |
| 9 | 1 | 14 | 55.6 | | | 8.154953 | |
| 10 | 2 | 14 | 81.0 | 1096 | | 9.233553 | |
| 11 | 3 | 14 | 69.2 | 1416 | 1050 | 10.188160 | |
| 12 | 2 | 14 | 56.0 | 1931 | | 10.857389 | |
| 13 | 3 | 14 | 88.3 | 1396 | 1333 | 11.771448 | |

Bin5 Statistics 28

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 15 | 93.3 | | | 0.158972 | 1 |
| 1 | 1 | 15 | 94.4 | | | 0.949486 | |
| 2 | 1 | 15 | 81.8 | | | 1.874623 | |
| 3 | 1 | 15 | 97.7 | | | 2.987131 | |
| 4 | 2 | 15 | 73.1 | 1995 | | 4.477458 | |
| 5 | 3 | 15 | 85.6 | 1627 | 1077 | 5.326598 | |
| 6 | 2 | 15 | 53.9 | 1048 | | 5.830129 | |
| 7 | 1 | 15 | 90.9 | | | 7.296481 | |
| 8 | 1 | 15 | 93.7 | | | 7.907446 | |
| 9 | 1 | 15 | 88.6 | | | 8.997956 | |
| 10 | 3 | 15 | 77.3 | 1851 | 1062 | 9.334471 | |
| 11 | 1 | 15 | 62.7 | | | 10.402356 | |
| 12 | 2 | 15 | 56.1 | 1837 | | 11.980252 | |

Bin5 Statistics 29

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 17 | 87.7 | | | 0.070286 | 1 |
| 1 | 3 | 17 | 89.6 | 1559 | 1026 | 0.810448 | |
| 2 | 2 | 17 | 94.5 | 1705 | | 1.799248 | |
| 3 | 3 | 17 | 96.3 | 1160 | 1610 | 2.805477 | |
| 4 | 2 | 17 | 58.0 | 1878 | | 2.851102 | |
| 5 | 2 | 17 | 58.8 | 1473 | | 3.918862 | |
| 6 | 2 | 17 | 53.6 | 1741 | | 4.845204 | |
| 7 | 3 | 17 | 86.2 | 1533 | 1940 | 5.578116 | |
| 8 | 2 | 17 | 60.5 | 1953 | | 6.147870 | |
| 9 | 2 | 17 | 58.7 | 1646 | | 6.935567 | |
| 10 | 2 | 17 | 66.5 | 1867 | | 7.183058 | |
| 11 | 2 | 17 | 69.1 | 1699 | | 8.065991 | |
| 12 | 1 | 17 | 79.0 | | | 9.003778 | |
| 13 | 2 | 17 | 56.3 | 1273 | | 9.871825 | |
| 14 | 2 | 17 | 80.3 | 1667 | | 10.394034 | |
| 15 | 2 | 17 | 53.0 | 1934 | | 10.989287 | |
| 16 | 1 | 17 | 67.5 | | | 11.916451 | |

Bin5 Statistics 30

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 5 | 54.8 | 1914 | | 0.042935 | 0 |
| 1 | 3 | 5 | 64.6 | 1934 | 1438 | 1.154535 | |
| 2 | 2 | 5 | 72.8 | 1815 | | 1.618001 | |
| 3 | 2 | 5 | 72.8 | 1267 | | 2.466623 | |
| 4 | 2 | 5 | 72.6 | 1061 | | 2.957489 | |
| 5 | 2 | 5 | 96.8 | 1287 | | 3.180608 | |
| 6 | 2 | 5 | 53.6 | 1770 | | 4.408617 | |
| 7 | 2 | 5 | 58.7 | 1419 | | 4.928322 | |
| 8 | 3 | 5 | 52.1 | 1908 | 1913 | 5.619313 | |
| 9 | 2 | 5 | 99.0 | 1822 | | 6.304373 | |
| 10 | 2 | 5 | 86.8 | 1297 | | 6.403466 | |
| 11 | 3 | 5 | 68.7 | 1721 | 1902 | 7.350259 | |
| 12 | 2 | 5 | 63.7 | 1055 | | 7.918466 | |
| 13 | 2 | 5 | 51.0 | 1136 | | 8.292198 | |
| 14 | 2 | 5 | 83.0 | 1170 | | 9.033488 | |
| 15 | 2 | 5 | 94.1 | 1383 | | 9.774445 | |
| 16 | 2 | 5 | 87.0 | 1574 | | 10.679368 | |
| 17 | 2 | 5 | 75.4 | 1224 | | 11.113530 | |
| 18 | 1 | 5 | 60.9 | | | 11.785678 | |

Table-6 Radar Type 6 Statistical Performance

| Trial # | Fc (MHz) | Pulse /Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) | Hopping Sequence |
|---------|----------|--------------|------------------|----------|-------------------------|---|
| 1 | 5530.0 | 9 | 1.0 | 333 | 1 | 5520.0, 5584.0, 5647.0, 5360.0, 5659.0, 5663.0, 5352.0, 5331.0, 5617.0, 5564.0, 5255.0, 5330.0, 5614.0, 5321.0, 5337.0, 5440.0, 5545.0, 5529.0, 5644.0, 5620.0, 5590.0, 5675.0, 5439.0, 5421.0, 5350.0, 5500.0, 5307.0, 5515.0, 5260.0, 5342.0, 5339.0, 5429.0, 5692.0, 5494.0, 5580.0, 5398.0, 5408.0, 5354.0, 5402.0, 5284.0, 5485.0, 5537.0, 5636.0, 5551.0, 5316.0, 5501.0, 5310.0, 5524.0, 5505.0, 5600.0, 5348.0, 5281.0, 5320.0, 5683.0, 5377.0, 5359.0, 5364.0, 5687.0, 5523.0, 5514.0, 5327.0, 5431.0, 5569.0, 5530.0, 5680.0, 5430.0, 5691.0, 5404.0, 5702.0, 5351.0, 5587.0, 5275.0, 5628.0, 5554.0, 5637.0, 5528.0, 5297.0, 5365.0, 5679.0, 5632.0, 5345.0, 5253.0, 5250.0, 5651.0, 5409.0, 5358.0, 5619.0, 5512.0, 5487.0, 5403.0, 5452.0, 5696.0, 5668.0, 5423.0, 5458.0, 5387.0, 5372.0, 5575.0, 5689.0, 5383.0 (number of hits: 18) |
| 2 | 5530.0 | 9 | 1.0 | 333 | 1 | 5429.0, 5262.0, 5275.0, 5633.0, 5704.0, 5678.0, 5669.0, 5386.0, 5517.0, 5439.0, 5356.0, 5312.0, 5437.0, 5474.0, 5575.0, 5412.0, 5666.0, 5657.0, 5599.0, 5456.0, 5572.0, 5274.0, 5547.0, 5350.0, 5640.0, 5502.0, 5316.0, 5554.0, 5430.0, 5631.0, 5410.0, 5536.0, 5692.0, 5465.0, 5454.0, 5259.0, 5545.0, 5587.0, 5342.0, 5367.0, 5411.0, 5577.0, 5277.0, 5648.0, 5700.0, 5294.0, 5480.0, 5423.0, 5532.0, 5695.0, 5589.0, 5428.0, 5525.0, 5555.0, 5457.0, 5476.0, 5524.0, 5397.0, 5462.0, 5483.0, 5710.0, 5546.0, 5420.0, 5670.0, 5506.0, 5707.0, 5256.0, 5442.0, 5662.0, 5507.0, 5427.0, 5688.0, 5718.0, 5522.0, 5531.0, 5334.0, 5320.0, 5392.0, 5459.0, 5611.0, 5464.0, 5579.0, 5556.0, 5306.0, 5289.0, 5565.0, 5510.0, 5422.0, 5650.0, 5675.0, 5712.0, 5713.0, 5567.0, 5676.0, 5414.0, 5685.0, 5557.0, 5635.0, 5490.0, 5503.0 (number of hits: 20) |
| 3 | 5530.0 | 9 | 1.0 | 333 | 1 | 5494.0, 5698.0, 5371.0, 5299.0, 5593.0, 5683.0, 5646.0, 5548.0, 5588.0, 5582.0, 5499.0, 5472.0, 5364.0, 5594.0, 5676.0, 5699.0, 5509.0, 5444.0, 5460.0, 5678.0, 5445.0, 5692.0, 5482.0, 5273.0, 5628.0, 5469.0, 5465.0, 5566.0, 5457.0, 5697.0, 5339.0, 5511.0, 5574.0, 5670.0, 5568.0, 5596.0, 5647.0, 5325.0, 5256.0, 5390.0, 5416.0, 5421.0, 5362.0, 5356.0, 5346.0, 5540.0, 5292.0, 5447.0, 5615.0, 5481.0, 5639.0, 5266.0, 5281.0, 5516.0, 5524.0, 5359.0, 5617.0, 5651.0, 5515.0, 5489.0, 5255.0, 5720.0, 5618.0, 5259.0, 5680.0, |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5530.0, 5723.0, 5257.0, 5463.0, 5638.0, 5589.0, 5405.0, 5622.0, 5573.0, 5385.0, 5473.0, 5527.0, 5666.0, 5368.0, 5301.0, 5428.0, 5379.0, 5606.0, 5605.0, 5370.0, 5338.0, 5305.0, 5584.0, 5314.0, 5536.0, 5687.0, 5306.0, 5495.0, 5514.0, 5695.0, 5659.0, 5296.0, 5537.0, 5711.0, 5595.0 (number of hits: 16) |
| 4 | 5530.0 | 9 | 1.0 | 333 | 1 | 5393.0, 5324.0, 5537.0, 5367.0, 5657.0, 5452.0, 5417.0, 5585.0, 5550.0, 5650.0, 5691.0, 5542.0, 5272.0, 5701.0, 5455.0, 5289.0, 5634.0, 5311.0, 5702.0, 5581.0, 5263.0, 5489.0, 5713.0, 5669.0, 5699.0, 5552.0, 5706.0, 5709.0, 5708.0, 5318.0, 5676.0, 5631.0, 5589.0, 5548.0, 5282.0, 5280.0, 5505.0, 5254.0, 5308.0, 5390.0, 5277.0, 5361.0, 5544.0, 5331.0, 5315.0, 5347.0, 5326.0, 5267.0, 5559.0, 5279.0, 5497.0, 5253.0, 5532.0, 5525.0, 5334.0, 5471.0, 5413.0, 5527.0, 5515.0, 5512.0, 5635.0, 5269.0, 5257.0, 5327.0, 5618.0, 5513.0, 5295.0, 5256.0, 5461.0, 5251.0, 5314.0, 5615.0, 5565.0, 5457.0, 5612.0, 5441.0, 5294.0, 5484.0, 5553.0, 5590.0, 5410.0, 5340.0, 5594.0, 5285.0, 5310.0, 5643.0, 5632.0, 5425.0, 5344.0, 5283.0, 5693.0, 5724.0, 5605.0, 5338.0, 5365.0, 5690.0, 5460.0, 5402.0, 5674.0, 5610.0 (number of hits: 17) |
| 5 | 5530.0 | 9 | 1.0 | 333 | 1 | 5509.0, 5333.0, 5373.0, 5282.0, 5647.0, 5547.0, 5670.0, 5398.0, 5338.0, 5325.0, 5705.0, 5383.0, 5499.0, 5255.0, 5474.0, 5453.0, 5468.0, 5674.0, 5637.0, 5369.0, 5667.0, 5648.0, 5279.0, 5313.0, 5425.0, 5345.0, 5609.0, 5681.0, 5263.0, 5476.0, 5479.0, 5564.0, 5266.0, 5434.0, 5565.0, 5633.0, 5309.0, 5720.0, 5646.0, 5569.0, 5274.0, 5342.0, 5350.0, 5622.0, 5445.0, 5701.0, 5477.0, 5267.0, 5378.0, 5379.0, 5429.0, 5385.0, 5431.0, 5572.0, 5611.0, 5626.0, 5446.0, 5686.0, 5714.0, 5690.0, 5713.0, 5311.0, 5592.0, 5522.0, 5285.0, 5682.0, 5327.0, 5556.0, 5473.0, 5433.0, 5702.0, 5558.0, 5292.0, 5423.0, 5573.0, 5451.0, 5508.0, 5634.0, 5566.0, 5515.0, 5324.0, 5424.0, 5687.0, 5409.0, 5455.0, 5404.0, 5465.0, 5629.0, 5315.0, 5628.0, 5320.0, 5471.0, 5570.0, 5253.0, 5387.0, 5366.0, 5469.0, 5529.0, 5413.0, 5358.0 (number of hits: 12) |
| 6 | 5530.0 | 9 | 1.0 | 333 | 1 | 5520.0, 5712.0, 5295.0, 5459.0, 5440.0, 5344.0, 5317.0, 5569.0, 5411.0, 5412.0, 5434.0, 5628.0, 5592.0, 5265.0, 5480.0, 5389.0, 5405.0, 5308.0, 5457.0, 5652.0, 5536.0, 5521.0, 5671.0, 5524.0, 5617.0, 5311.0, 5260.0, 5460.0, 5340.0, 5403.0, 5281.0, 5450.0, 5702.0, 5261.0, 5343.0, 5328.0, 5568.0, 5468.0, 5582.0, 5425.0, 5371.0, 5594.0, 5674.0, 5285.0, 5323.0, 5578.0, 5545.0, 5397.0, 5314.0, 5542.0, 5668.0, 5330.0, 5563.0, 5556.0, 5447.0 |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5342.0, 5490.0, 5266.0, 5482.0, 5644.0, 5484.0, 5687.0, 5469.0, 5375.0, 5518.0, 5703.0, 5709.0, 5262.0, 5291.0, 5259.0, 5349.0, 5364.0, 5303.0, 5530.0, 5479.0, 5446.0, 5309.0, 5466.0, 5516.0, 5554.0, 5661.0, 5718.0, 5722.0, 5565.0, 5358.0, 5366.0, 5721.0, 5321.0, 5637.0, 5663.0, 5432.0, 5640.0, 5313.0, 5649.0, 5665.0, 5267.0, 5669.0, 5675.0, 5274.0, 5611.0 (number of hits: 13) |
| 7 | 5530.0 | 9 | 1.0 | 333 | 1 | 5632.0, 5416.0, 5652.0, 5425.0, 5396.0, 5570.0, 5479.0, 5719.0, 5405.0, 5675.0, 5453.0, 5709.0, 5617.0, 5343.0, 5634.0, 5367.0, 5501.0, 5272.0, 5369.0, 5252.0, 5394.0, 5349.0, 5717.0, 5553.0, 5659.0, 5456.0, 5715.0, 5279.0, 5559.0, 5332.0, 5666.0, 5512.0, 5515.0, 5695.0, 5592.0, 5300.0, 5482.0, 5510.0, 5308.0, 5277.0, 5296.0, 5662.0, 5338.0, 5454.0, 5330.0, 5450.0, 5319.0, 5586.0, 5299.0, 5295.0, 5646.0, 5583.0, 5455.0, 5253.0, 5699.0, 5464.0, 5623.0, 5294.0, 5409.0, 5415.0, 5493.0, 5355.0, 5660.0, 5723.0, 5259.0, 5635.0, 5433.0, 5452.0, 5605.0, 5263.0, 5584.0, 5368.0, 5550.0, 5683.0, 5577.0, 5379.0, 5513.0, 5325.0, 5419.0, 5523.0, 5290.0, 5378.0, 5587.0, 5382.0, 5432.0, 5470.0, 5582.0, 5404.0, 5400.0, 5500.0, 5568.0, 5608.0, 5613.0, 5522.0, 5571.0, 5496.0, 5514.0, 5663.0, 5428.0, 5648.0 (number of hits: 14) |
| 8 | 5530.0 | 9 | 1.0 | 333 | 1 | 5492.0, 5602.0, 5719.0, 5297.0, 5431.0, 5412.0, 5357.0, 5309.0, 5639.0, 5291.0, 5538.0, 5617.0, 5295.0, 5618.0, 5409.0, 5463.0, 5342.0, 5386.0, 5721.0, 5532.0, 5534.0, 5315.0, 5462.0, 5662.0, 5527.0, 5437.0, 5406.0, 5610.0, 5283.0, 5445.0, 5633.0, 5350.0, 5714.0, 5524.0, 5716.0, 5623.0, 5650.0, 5590.0, 5317.0, 5263.0, 5510.0, 5521.0, 5347.0, 5394.0, 5382.0, 5340.0, 5647.0, 5686.0, 5373.0, 5458.0, 5500.0, 5368.0, 5341.0, 5262.0, 5494.0, 5612.0, 5338.0, 5579.0, 5703.0, 5319.0, 5720.0, 5523.0, 5710.0, 5439.0, 5322.0, 5593.0, 5292.0, 5533.0, 5558.0, 5367.0, 5438.0, 5273.0, 5387.0, 5301.0, 5464.0, 5326.0, 5288.0, 5541.0, 5679.0, 5493.0, 5400.0, 5370.0, 5676.0, 5432.0, 5567.0, 5575.0, 5687.0, 5605.0, 5294.0, 5467.0, 5369.0, 5483.0, 5514.0, 5711.0, 5385.0, 5428.0, 5389.0, 5336.0, 5677.0, 5430.0 (number of hits: 15) |
| 9 | 5530.0 | 9 | 1.0 | 333 | 1 | 5320.0, 5555.0, 5400.0, 5528.0, 5598.0, 5388.0, 5394.0, 5441.0, 5372.0, 5370.0, 5385.0, 5678.0, 5404.0, 5654.0, 5318.0, 5648.0, 5693.0, 5592.0, 5348.0, 5347.0, 5445.0, 5319.0, 5566.0, 5497.0, 5453.0, 5538.0, 5287.0, 5605.0, 5677.0, 5332.0, 5285.0, 5690.0, 5481.0, 5377.0, 5550.0, 5284.0, 5265.0, 5609.0, 5479.0, 5338.0, 5530.0, 5478.0, 5276.0, 5674.0, 5669.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5472.0, 5552.0, 5569.0, 5253.0, 5689.0, 5621.0, 5624.0, 5409.0, 5675.0, 5722.0, 5553.0, 5292.0, 5488.0, 5450.0, 5381.0, 5541.0, 5427.0, 5431.0, 5629.0, 5395.0, 5720.0, 5524.0, 5532.0, 5615.0, 5300.0, 5607.0, 5333.0, 5443.0, 5270.0, 5434.0, 5484.0, 5714.0, 5391.0, 5713.0, 5272.0, 5576.0, 5322.0, 5650.0, 5721.0, 5468.0, 5655.0, 5622.0, 5554.0, 5399.0, 5575.0, 5306.0, 5668.0, 5516.0, 5267.0, 5653.0, 5699.0, 5354.0, 5715.0, 5389.0, 5263.0 (number of hits: 14) |
| 10 | 5530.0 | 9 | 1.0 | 333 | 1 | 5376.0, 5523.0, 5322.0, 5533.0, 5598.0, 5667.0, 5437.0, 5259.0, 5675.0, 5347.0, 5674.0, 5304.0, 5692.0, 5300.0, 5359.0, 5645.0, 5302.0, 5314.0, 5574.0, 5431.0, 5515.0, 5461.0, 5590.0, 5483.0, 5681.0, 5720.0, 5514.0, 5610.0, 5500.0, 5473.0, 5630.0, 5607.0, 5651.0, 5441.0, 5661.0, 5629.0, 5513.0, 5308.0, 5487.0, 5311.0, 5519.0, 5573.0, 5310.0, 5688.0, 5717.0, 5395.0, 5303.0, 5317.0, 5567.0, 5577.0, 5294.0, 5628.0, 5467.0, 5440.0, 5415.0, 5595.0, 5662.0, 5679.0, 5352.0, 5422.0, 5540.0, 5648.0, 5342.0, 5559.0, 5511.0, 5471.0, 5508.0, 5255.0, 5572.0, 5691.0, 5474.0, 5496.0, 5586.0, 5349.0, 5296.0, 5281.0, 5589.0, 5631.0, 5637.0, 5253.0, 5557.0, 5524.0, 5613.0, 5315.0, 5343.0, 5525.0, 5673.0, 5709.0, 5477.0, 5503.0, 5700.0, 5387.0, 5635.0, 5505.0, 5712.0, 5272.0, 5497.0, 5602.0, 5295.0, 5278.0 (number of hits: 18) |
| 11 | 5530.0 | 9 | 1.0 | 333 | 1 | 5672.0, 5610.0, 5651.0, 5663.0, 5560.0, 5713.0, 5391.0, 5300.0, 5376.0, 5303.0, 5322.0, 5681.0, 5354.0, 5269.0, 5515.0, 5595.0, 5463.0, 5357.0, 5615.0, 5287.0, 5387.0, 5690.0, 5532.0, 5613.0, 5353.0, 5686.0, 5326.0, 5696.0, 5444.0, 5333.0, 5364.0, 5699.0, 5435.0, 5572.0, 5600.0, 5541.0, 5709.0, 5674.0, 5486.0, 5648.0, 5544.0, 5693.0, 5511.0, 5677.0, 5691.0, 5351.0, 5661.0, 5526.0, 5292.0, 5493.0, 5271.0, 5453.0, 5345.0, 5655.0, 5637.0, 5602.0, 5481.0, 5341.0, 5635.0, 5309.0, 5650.0, 5494.0, 5588.0, 5394.0, 5505.0, 5433.0, 5457.0, 5306.0, 5360.0, 5694.0, 5438.0, 5587.0, 5460.0, 5343.0, 5395.0, 5720.0, 5408.0, 5578.0, 5575.0, 5571.0, 5703.0, 5432.0, 5413.0, 5680.0, 5468.0, 5563.0, 5512.0, 5467.0, 5611.0, 5621.0, 5688.0, 5279.0, 5324.0, 5583.0, 5667.0, 5529.0, 5707.0, 5599.0, 5301.0, 5367.0 (number of hits: 13) |
| 12 | 5530.0 | 9 | 1.0 | 333 | 1 | 5613.0, 5615.0, 5355.0, 5448.0, 5445.0, 5581.0, 5558.0, 5391.0, 5399.0, 5637.0, 5398.0, 5514.0, 5688.0, 5616.0, 5513.0, 5291.0, 5628.0, 5610.0, 5319.0, 5577.0, 5477.0, 5545.0, 5532.0, 5599.0, 5617.0, 5302.0, 5703.0, 5287.0, 5324.0, 5483.0, 5396.0, 5527.0, 5608.0, 5363.0, 5693.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5387.0, 5523.0, 5390.0, 5464.0, 5356.0, 5559.0, 5386.0, 5473.0, 5597.0, 5455.0, 5378.0, 5389.0, 5293.0, 5317.0, 5531.0, 5619.0, 5393.0, 5496.0, 5301.0, 5422.0, 5459.0, 5591.0, 5668.0, 5699.0, 5284.0, 5470.0, 5251.0, 5561.0, 5487.0, 5413.0, 5262.0, 5285.0, 5283.0, 5723.0, 5331.0, 5409.0, 5469.0, 5303.0, 5510.0, 5475.0, 5380.0, 5697.0, 5276.0, 5327.0, 5620.0, 5504.0, 5441.0, 5289.0, 5439.0, 5714.0, 5534.0, 5689.0, 5573.0, 5345.0, 5667.0, 5484.0, 5256.0, 5421.0, 5656.0, 5271.0, 5275.0, 5330.0, 5553.0, 5713.0, 5282.0 (number of hits: 15) |
| 13 | 5530.0 | 9 | 1.0 | 333 | 1 | 5681.0, 5306.0, 5568.0, 5311.0, 5293.0, 5252.0, 5694.0, 5492.0, 5685.0, 5715.0, 5387.0, 5487.0, 5619.0, 5594.0, 5703.0, 5265.0, 5421.0, 5316.0, 5292.0, 5714.0, 5548.0, 5439.0, 5302.0, 5437.0, 5378.0, 5580.0, 5546.0, 5587.0, 5423.0, 5340.0, 5645.0, 5384.0, 5444.0, 5380.0, 5522.0, 5424.0, 5286.0, 5497.0, 5313.0, 5541.0, 5702.0, 5517.0, 5672.0, 5607.0, 5436.0, 5398.0, 5418.0, 5273.0, 5339.0, 5470.0, 5422.0, 5481.0, 5266.0, 5642.0, 5585.0, 5447.0, 5300.0, 5610.0, 5467.0, 5338.0, 5389.0, 5345.0, 5529.0, 5277.0, 5588.0, 5321.0, 5674.0, 5530.0, 5383.0, 5533.0, 5412.0, 5544.0, 5465.0, 5637.0, 5651.0, 5438.0, 5493.0, 5526.0, 5346.0, 5603.0, 5719.0, 5315.0, 5479.0, 5711.0, 5690.0, 5663.0, 5259.0, 5405.0, 5684.0, 5575.0, 5261.0, 5430.0, 5515.0, 5636.0, 5482.0, 5614.0, 5369.0, 5320.0, 5655.0, 5649.0 (number of hits: 13) |
| 14 | 5530.0 | 9 | 1.0 | 333 | 1 | 5618.0, 5699.0, 5330.0, 5544.0, 5574.0, 5300.0, 5276.0, 5708.0, 5403.0, 5423.0, 5646.0, 5277.0, 5616.0, 5271.0, 5641.0, 5415.0, 5288.0, 5254.0, 5361.0, 5443.0, 5499.0, 5428.0, 5631.0, 5466.0, 5601.0, 5446.0, 5540.0, 5629.0, 5650.0, 5302.0, 5648.0, 5661.0, 5341.0, 5567.0, 5503.0, 5659.0, 5619.0, 5638.0, 5316.0, 5425.0, 5543.0, 5261.0, 5557.0, 5529.0, 5463.0, 5363.0, 5518.0, 5354.0, 5655.0, 5533.0, 5604.0, 5539.0, 5424.0, 5289.0, 5506.0, 5535.0, 5560.0, 5340.0, 5548.0, 5350.0, 5375.0, 5304.0, 5292.0, 5485.0, 5459.0, 5581.0, 5326.0, 5303.0, 5607.0, 5465.0, 5595.0, 5562.0, 5528.0, 5442.0, 5294.0, 5253.0, 5701.0, 5622.0, 5469.0, 5487.0, 5613.0, 5687.0, 5274.0, 5724.0, 5505.0, 5689.0, 5427.0, 5440.0, 5381.0, 5310.0, 5390.0, 5621.0, 5494.0, 5568.0, 5610.0, 5286.0, 5711.0, 5519.0, 5656.0, 5583.0 (number of hits: 19) |
| 15 | 5530.0 | 9 | 1.0 | 333 | 1 | 5294.0, 5520.0, 5318.0, 5376.0, 5523.0, 5451.0, 5331.0, 5495.0, 5583.0, 5282.0, 5474.0, 5717.0, 5410.0, 5515.0, 5475.0, 5299.0, 5536.0, 5614.0, 5335.0, 5322.0, 5452.0, 5314.0, 5396.0, 5655.0, 5291.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5587.0, 5486.0, 5296.0, 5458.0, 5485.0, 5705.0, 5613.0, 5577.0, 5487.0, 5488.0, 5569.0, 5479.0, 5264.0, 5527.0, 5290.0, 5672.0, 5273.0, 5287.0, 5654.0, 5496.0, 5702.0, 5722.0, 5381.0, 5555.0, 5394.0, 5576.0, 5628.0, 5491.0, 5430.0, 5560.0, 5692.0, 5677.0, 5542.0, 5406.0, 5589.0, 5333.0, 5691.0, 5387.0, 5434.0, 5456.0, 5326.0, 5659.0, 5346.0, 5679.0, 5321.0, 5683.0, 5712.0, 5470.0, 5271.0, 5330.0, 5609.0, 5556.0, 5509.0, 5435.0, 5310.0, 5665.0, 5293.0, 5631.0, 5480.0, 5713.0, 5341.0, 5301.0, 5584.0, 5342.0, 5373.0, 5319.0, 5635.0, 5529.0, 5361.0, 5356.0, 5278.0, 5364.0, 5439.0, 5710.0, 5568.0 (number of hits: 13) |
| 16 | 5530.0 | 9 | 1.0 | 333 | 1 | 5280.0, 5455.0, 5441.0, 5659.0, 5497.0, 5698.0, 5710.0, 5584.0, 5594.0, 5381.0, 5606.0, 5587.0, 5437.0, 5718.0, 5503.0, 5272.0, 5693.0, 5707.0, 5663.0, 5654.0, 5356.0, 5555.0, 5695.0, 5282.0, 5315.0, 5446.0, 5607.0, 5647.0, 5534.0, 5547.0, 5670.0, 5721.0, 5468.0, 5476.0, 5622.0, 5406.0, 5259.0, 5548.0, 5327.0, 5442.0, 5624.0, 5269.0, 5480.0, 5537.0, 5486.0, 5520.0, 5298.0, 5425.0, 5556.0, 5449.0, 5636.0, 5410.0, 5685.0, 5440.0, 5692.0, 5649.0, 5621.0, 5595.0, 5717.0, 5400.0, 5393.0, 5667.0, 5494.0, 5551.0, 5582.0, 5543.0, 5652.0, 5617.0, 5614.0, 5528.0, 5700.0, 5722.0, 5297.0, 5648.0, 5255.0, 5359.0, 5550.0, 5514.0, 5409.0, 5470.0, 5353.0, 5611.0, 5684.0, 5405.0, 5306.0, 5626.0, 5680.0, 5541.0, 5469.0, 5590.0, 5348.0, 5490.0, 5335.0, 5363.0, 5694.0, 5604.0, 5338.0, 5284.0, 5471.0, 5404.0 (number of hits: 16) |
| 17 | 5530.0 | 9 | 1.0 | 333 | 1 | 5409.0, 5332.0, 5623.0, 5706.0, 5624.0, 5426.0, 5451.0, 5265.0, 5468.0, 5272.0, 5358.0, 5310.0, 5301.0, 5505.0, 5463.0, 5281.0, 5367.0, 5394.0, 5716.0, 5709.0, 5602.0, 5307.0, 5682.0, 5259.0, 5513.0, 5450.0, 5377.0, 5305.0, 5387.0, 5329.0, 5540.0, 5675.0, 5616.0, 5404.0, 5527.0, 5560.0, 5670.0, 5632.0, 5653.0, 5641.0, 5692.0, 5590.0, 5479.0, 5293.0, 5507.0, 5568.0, 5362.0, 5384.0, 5327.0, 5477.0, 5299.0, 5252.0, 5483.0, 5614.0, 5496.0, 5257.0, 5335.0, 5262.0, 5453.0, 5464.0, 5676.0, 5287.0, 5401.0, 5599.0, 5664.0, 5391.0, 5366.0, 5701.0, 5381.0, 5438.0, 5685.0, 5591.0, 5447.0, 5440.0, 5558.0, 5484.0, 5416.0, 5515.0, 5300.0, 5542.0, 5638.0, 5518.0, 5659.0, 5490.0, 5711.0, 5621.0, 5392.0, 5333.0, 5276.0, 5455.0, 5644.0, 5285.0, 5368.0, 5634.0, 5493.0, 5570.0, 5251.0, 5723.0, 5633.0, 5412.0 (number of hits: 12) |
| 18 | 5530.0 | 9 | 1.0 | 333 | 1 | 5358.0, 5311.0, 5252.0, 5714.0, 5694.0, 5404.0, 5603.0, 5380.0, 5313.0, 5542.0, 5496.0, 5723.0, 5638.0, 5605.0, 5719.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5445.0, 5529.0, 5526.0, 5606.0, 5712.0, 5403.0, 5301.0, 5282.0, 5637.0, 5366.0, 5520.0, 5523.0, 5692.0, 5302.0, 5386.0, 5330.0, 5670.0, 5444.0, 5474.0, 5718.0, 5320.0, 5344.0, 5562.0, 5555.0, 5258.0, 5476.0, 5640.0, 5295.0, 5644.0, 5405.0, 5715.0, 5689.0, 5437.0, 5319.0, 5277.0, 5414.0, 5269.0, 5607.0, 5538.0, 5709.0, 5666.0, 5683.0, 5385.0, 5505.0, 5642.0, 5679.0, 5393.0, 5721.0, 5541.0, 5420.0, 5361.0, 5408.0, 5417.0, 5535.0, 5410.0, 5531.0, 5332.0, 5421.0, 5580.0, 5594.0, 5469.0, 5563.0, 5362.0, 5697.0, 5317.0, 5480.0, 5416.0, 5322.0, 5688.0, 5448.0, 5275.0, 5657.0, 5389.0, 5566.0, 5276.0, 5495.0, 5425.0, 5722.0, 5422.0, 5490.0, 5678.0, 5510.0, 5634.0, 5545.0, 5287.0 (number of hits: 18) |
| 19 | 5530.0 | 9 | 1.0 | 333 | 1 | 5296.0, 5508.0, 5553.0, 5686.0, 5562.0, 5463.0, 5449.0, 5620.0, 5645.0, 5377.0, 5412.0, 5324.0, 5317.0, 5411.0, 5360.0, 5432.0, 5265.0, 5351.0, 5585.0, 5438.0, 5455.0, 5406.0, 5303.0, 5310.0, 5505.0, 5702.0, 5283.0, 5611.0, 5268.0, 5467.0, 5366.0, 5711.0, 5491.0, 5348.0, 5370.0, 5614.0, 5285.0, 5607.0, 5476.0, 5337.0, 5308.0, 5374.0, 5543.0, 5536.0, 5521.0, 5544.0, 5410.0, 5299.0, 5382.0, 5431.0, 5420.0, 5398.0, 5260.0, 5650.0, 5590.0, 5542.0, 5464.0, 5331.0, 5599.0, 5312.0, 5581.0, 5587.0, 5426.0, 5512.0, 5408.0, 5457.0, 5443.0, 5396.0, 5384.0, 5518.0, 5390.0, 5307.0, 5700.0, 5281.0, 5436.0, 5696.0, 5304.0, 5340.0, 5383.0, 5418.0, 5551.0, 5315.0, 5715.0, 5490.0, 5472.0, 5683.0, 5486.0, 5391.0, 5452.0, 5608.0, 5666.0, 5290.0, 5275.0, 5525.0, 5353.0, 5530.0, 5681.0, 5356.0, 5372.0, 5721.0 (number of hits: 14) |
| 20 | 5530.0 | 9 | 1.0 | 333 | 1 | 5432.0, 5353.0, 5667.0, 5527.0, 5475.0, 5438.0, 5626.0, 5296.0, 5556.0, 5313.0, 5444.0, 5640.0, 5671.0, 5387.0, 5721.0, 5319.0, 5514.0, 5560.0, 5252.0, 5509.0, 5502.0, 5634.0, 5692.0, 5375.0, 5672.0, 5332.0, 5350.0, 5573.0, 5563.0, 5549.0, 5479.0, 5287.0, 5510.0, 5306.0, 5295.0, 5699.0, 5495.0, 5305.0, 5547.0, 5656.0, 5631.0, 5384.0, 5665.0, 5423.0, 5637.0, 5529.0, 5275.0, 5602.0, 5541.0, 5697.0, 5376.0, 5624.0, 5436.0, 5704.0, 5485.0, 5645.0, 5468.0, 5571.0, 5658.0, 5429.0, 5283.0, 5636.0, 5499.0, 5505.0, 5311.0, 5409.0, 5567.0, 5291.0, 5627.0, 5635.0, 5705.0, 5612.0, 5424.0, 5506.0, 5719.0, 5516.0, 5679.0, 5370.0, 5261.0, 5446.0, 5710.0, 5517.0, 5314.0, 5648.0, 5418.0, 5326.0, 5619.0, 5579.0, 5678.0, 5482.0, 5403.0, 5321.0, 5437.0, 5546.0, 5649.0, 5543.0, 5480.0, 5644.0, 5700.0, 5325.0 (number of hits: 20) |
| 21 | 5530.0 | 9 | 1.0 | 333 | 1 | 5271.0, 5640.0, 5590.0, 5715.0, 5587.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5578.0, 5538.0, 5499.0, 5699.0, 5477.0, 5338.0, 5601.0, 5335.0, 5687.0, 5593.0, 5539.0, 5614.0, 5424.0, 5297.0, 5418.0, 5609.0, 5303.0, 5521.0, 5532.0, 5355.0, 5420.0, 5648.0, 5585.0, 5324.0, 5543.0, 5676.0, 5683.0, 5345.0, 5673.0, 5469.0, 5686.0, 5373.0, 5274.0, 5422.0, 5401.0, 5642.0, 5503.0, 5674.0, 5678.0, 5695.0, 5423.0, 5442.0, 5550.0, 5694.0, 5663.0, 5464.0, 5342.0, 5557.0, 5296.0, 5624.0, 5444.0, 5322.0, 5385.0, 5652.0, 5413.0, 5498.0, 5277.0, 5560.0, 5284.0, 5641.0, 5535.0, 5453.0, 5513.0, 5278.0, 5416.0, 5411.0, 5388.0, 5658.0, 5316.0, 5430.0, 5485.0, 5618.0, 5471.0, 5506.0, 5343.0, 5347.0, 5703.0, 5421.0, 5556.0, 5334.0, 5645.0, 5455.0, 5524.0, 5665.0, 5370.0, 5440.0, 5553.0, 5289.0, 5315.0, 5292.0, 5337.0, 5415.0, 5569.0, 5586.0, 5510.0 (number of hits: 18) |
| 22 | 5530.0 | 9 | 1.0 | 333 | 1 | 5454.0, 5296.0, 5651.0, 5532.0, 5630.0, 5615.0, 5721.0, 5541.0, 5363.0, 5254.0, 5639.0, 5589.0, 5563.0, 5634.0, 5464.0, 5311.0, 5335.0, 5603.0, 5493.0, 5362.0, 5282.0, 5501.0, 5723.0, 5643.0, 5361.0, 5652.0, 5671.0, 5569.0, 5720.0, 5418.0, 5558.0, 5397.0, 5444.0, 5571.0, 5439.0, 5620.0, 5394.0, 5577.0, 5649.0, 5665.0, 5392.0, 5475.0, 5585.0, 5373.0, 5377.0, 5447.0, 5293.0, 5269.0, 5627.0, 5599.0, 5463.0, 5426.0, 5477.0, 5474.0, 5625.0, 5690.0, 5451.0, 5533.0, 5509.0, 5462.0, 5414.0, 5616.0, 5514.0, 5251.0, 5266.0, 5437.0, 5434.0, 5354.0, 5353.0, 5594.0, 5438.0, 5350.0, 5458.0, 5586.0, 5555.0, 5504.0, 5490.0, 5259.0, 5284.0, 5546.0, 5554.0, 5669.0, 5517.0, 5681.0, 5506.0, 5276.0, 5368.0, 5505.0, 5411.0, 5632.0, 5702.0, 5456.0, 5478.0, 5468.0, 5301.0, 5337.0, 5467.0, 5374.0, 5564.0, 5405.0 (number of hits: 17) |
| 23 | 5530.0 | 9 | 1.0 | 333 | 1 | 5426.0, 5609.0, 5439.0, 5382.0, 5549.0, 5594.0, 5680.0, 5421.0, 5386.0, 5607.0, 5566.0, 5489.0, 5352.0, 5562.0, 5514.0, 5589.0, 5461.0, 5626.0, 5448.0, 5491.0, 5584.0, 5640.0, 5530.0, 5618.0, 5292.0, 5405.0, 5520.0, 5278.0, 5634.0, 5529.0, 5579.0, 5303.0, 5698.0, 5335.0, 5430.0, 5629.0, 5474.0, 5610.0, 5424.0, 5528.0, 5526.0, 5298.0, 5460.0, 5613.0, 5721.0, 5513.0, 5455.0, 5434.0, 5572.0, 5343.0, 5505.0, 5322.0, 5564.0, 5321.0, 5578.0, 5308.0, 5574.0, 5466.0, 5253.0, 5570.0, 5375.0, 5407.0, 5283.0, 5402.0, 5604.0, 5527.0, 5280.0, 5595.0, 5435.0, 5261.0, 5319.0, 5512.0, 5539.0, 5616.0, 5509.0, 5605.0, 5304.0, 5264.0, 5391.0, 5624.0, 5262.0, 5683.0, 5592.0, 5443.0, 5494.0, 5354.0, 5463.0, 5518.0, 5378.0, 5542.0, 5384.0, 5465.0, 5565.0, 5256.0, 5399.0, 5276.0, 5676.0, 5464.0, 5625.0, 5259.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| | | | | | | (number of hits: 20) |
| 24 | 5530.0 | 9 | 1.0 | 333 | 1 | 5505.0, 5545.0, 5363.0, 5279.0, 5484.0, 5659.0, 5347.0, 5301.0, 5713.0, 5372.0, 5546.0, 5423.0, 5576.0, 5305.0, 5317.0, 5354.0, 5434.0, 5663.0, 5441.0, 5369.0, 5467.0, 5266.0, 5339.0, 5532.0, 5355.0, 5565.0, 5489.0, 5324.0, 5498.0, 5403.0, 5513.0, 5384.0, 5311.0, 5643.0, 5444.0, 5585.0, 5653.0, 5449.0, 5381.0, 5656.0, 5509.0, 5607.0, 5450.0, 5678.0, 5258.0, 5500.0, 5572.0, 5486.0, 5580.0, 5396.0, 5392.0, 5669.0, 5470.0, 5418.0, 5322.0, 5367.0, 5511.0, 5575.0, 5569.0, 5326.0, 5385.0, 5257.0, 5465.0, 5506.0, 5309.0, 5256.0, 5343.0, 5386.0, 5409.0, 5581.0, 5469.0, 5578.0, 5636.0, 5574.0, 5342.0, 5691.0, 5288.0, 5650.0, 5537.0, 5619.0, 5715.0, 5487.0, 5542.0, 5562.0, 5299.0, 5261.0, 5564.0, 5639.0, 5321.0, 5646.0, 5314.0, 5267.0, 5510.0, 5615.0, 5680.0, 5517.0, 5702.0, 5632.0, 5611.0, 5707.0 |
| | | | | | | (number of hits: 17) |
| 25 | 5530.0 | 9 | 1.0 | 333 | 1 | 5633.0, 5377.0, 5718.0, 5629.0, 5412.0, 5570.0, 5713.0, 5445.0, 5548.0, 5651.0, 5656.0, 5556.0, 5498.0, 5665.0, 5418.0, 5386.0, 5385.0, 5654.0, 5496.0, 5364.0, 5510.0, 5435.0, 5580.0, 5471.0, 5706.0, 5719.0, 5583.0, 5338.0, 5283.0, 5286.0, 5688.0, 5342.0, 5632.0, 5484.0, 5545.0, 5673.0, 5723.0, 5509.0, 5611.0, 5681.0, 5281.0, 5251.0, 5305.0, 5501.0, 5522.0, 5657.0, 5325.0, 5367.0, 5331.0, 5290.0, 5560.0, 5368.0, 5670.0, 5332.0, 5327.0, 5255.0, 5306.0, 5703.0, 5431.0, 5438.0, 5626.0, 5714.0, 5506.0, 5409.0, 5324.0, 5630.0, 5443.0, 5617.0, 5676.0, 5525.0, 5447.0, 5500.0, 5358.0, 5457.0, 5687.0, 5481.0, 5675.0, 5489.0, 5543.0, 5700.0, 5469.0, 5477.0, 5512.0, 5269.0, 5494.0, 5458.0, 5354.0, 5715.0, 5686.0, 5497.0, 5488.0, 5270.0, 5474.0, 5421.0, 5365.0, 5335.0, 5472.0, 5463.0, 5696.0, 5303.0 |
| | | | | | | (number of hits: 17) |
| 26 | 5530.0 | 9 | 1.0 | 333 | 1 | 5392.0, 5645.0, 5403.0, 5413.0, 5488.0, 5539.0, 5709.0, 5643.0, 5533.0, 5384.0, 5695.0, 5667.0, 5626.0, 5696.0, 5524.0, 5594.0, 5337.0, 5701.0, 5525.0, 5450.0, 5592.0, 5498.0, 5323.0, 5344.0, 5272.0, 5518.0, 5433.0, 5621.0, 5719.0, 5462.0, 5538.0, 5567.0, 5687.0, 5599.0, 5349.0, 5338.0, 5361.0, 5391.0, 5603.0, 5408.0, 5494.0, 5718.0, 5669.0, 5350.0, 5591.0, 5347.0, 5545.0, 5523.0, 5324.0, 5287.0, 5589.0, 5434.0, 5253.0, 5296.0, 5651.0, 5293.0, 5417.0, 5609.0, 5471.0, 5292.0, 5513.0, 5508.0, 5313.0, 5509.0, 5302.0, 5604.0, 5495.0, 5261.0, 5639.0, 5598.0, 5375.0, 5500.0, 5419.0, 5572.0, 5677.0, 5266.0, 5439.0, 5381.0, 5412.0, 5640.0, 5702.0, 5601.0, 5315.0, 5289.0, 5483.0, 5670.0, 5278.0, 5255.0, 5562.0, 5367.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| | | | | | | 5257.0, 5422.0, 5365.0, 5497.0, 5634.0, 5496.0, 5691.0, 5374.0, 5606.0, 5268.0 (number of hits: 18) |
| 27 | 5530.0 | 9 | 1.0 | 333 | 1 | 5421.0, 5717.0, 5703.0, 5252.0, 5624.0, 5552.0, 5343.0, 5576.0, 5257.0, 5711.0, 5477.0, 5404.0, 5638.0, 5598.0, 5344.0, 5500.0, 5440.0, 5688.0, 5482.0, 5611.0, 5402.0, 5370.0, 5714.0, 5549.0, 5516.0, 5383.0, 5289.0, 5511.0, 5697.0, 5537.0, 5547.0, 5542.0, 5554.0, 5648.0, 5510.0, 5368.0, 5451.0, 5649.0, 5426.0, 5651.0, 5590.0, 5389.0, 5532.0, 5309.0, 5374.0, 5305.0, 5415.0, 5640.0, 5569.0, 5708.0, 5265.0, 5566.0, 5693.0, 5397.0, 5626.0, 5541.0, 5493.0, 5561.0, 5625.0, 5301.0, 5643.0, 5459.0, 5354.0, 5663.0, 5362.0, 5647.0, 5690.0, 5290.0, 5502.0, 5266.0, 5345.0, 5720.0, 5667.0, 5634.0, 5261.0, 5645.0, 5474.0, 5405.0, 5399.0, 5350.0, 5447.0, 5292.0, 5461.0, 5639.0, 5655.0, 5694.0, 5333.0, 5557.0, 5282.0, 5646.0, 5278.0, 5387.0, 5629.0, 5390.0, 5617.0, 5513.0, 5314.0, 5400.0, 5437.0, 5526.0 (number of hits: 19) |
| 28 | 5530.0 | 9 | 1.0 | 333 | 1 | 5547.0, 5616.0, 5691.0, 5296.0, 5641.0, 5416.0, 5350.0, 5340.0, 5534.0, 5477.0, 5523.0, 5600.0, 5270.0, 5303.0, 5360.0, 5456.0, 5379.0, 5410.0, 5264.0, 5262.0, 5408.0, 5438.0, 5478.0, 5419.0, 5508.0, 5470.0, 5496.0, 5275.0, 5484.0, 5585.0, 5702.0, 5689.0, 5396.0, 5436.0, 5530.0, 5388.0, 5255.0, 5548.0, 5314.0, 5424.0, 5400.0, 5306.0, 5445.0, 5421.0, 5678.0, 5476.0, 5677.0, 5555.0, 5356.0, 5630.0, 5598.0, 5596.0, 5556.0, 5465.0, 5467.0, 5451.0, 5357.0, 5373.0, 5374.0, 5666.0, 5543.0, 5349.0, 5359.0, 5608.0, 5258.0, 5393.0, 5443.0, 5541.0, 5334.0, 5579.0, 5575.0, 5606.0, 5269.0, 5514.0, 5463.0, 5423.0, 5386.0, 5517.0, 5505.0, 5326.0, 5658.0, 5332.0, 5692.0, 5384.0, 5688.0, 5567.0, 5418.0, 5389.0, 5336.0, 5382.0, 5365.0, 5617.0, 5468.0, 5339.0, 5337.0, 5586.0, 5310.0, 5713.0, 5453.0, 5656.0 (number of hits: 14) |
| 29 | 5530.0 | 9 | 1.0 | 333 | 1 | 5575.0, 5269.0, 5420.0, 5514.0, 5255.0, 5405.0, 5308.0, 5634.0, 5512.0, 5266.0, 5395.0, 5432.0, 5424.0, 5351.0, 5507.0, 5497.0, 5594.0, 5677.0, 5500.0, 5584.0, 5703.0, 5326.0, 5620.0, 5406.0, 5617.0, 5689.0, 5324.0, 5674.0, 5641.0, 5470.0, 5698.0, 5539.0, 5385.0, 5467.0, 5381.0, 5256.0, 5651.0, 5333.0, 5453.0, 5515.0, 5564.0, 5510.0, 5529.0, 5536.0, 5373.0, 5332.0, 5394.0, 5427.0, 5630.0, 5719.0, 5358.0, 5501.0, 5582.0, 5309.0, 5396.0, 5631.0, 5720.0, 5428.0, 5439.0, 5604.0, 5300.0, 5389.0, 5476.0, 5382.0, 5305.0, 5611.0, 5409.0, 5277.0, 5639.0, 5436.0, 5488.0, 5616.0, 5685.0, 5464.0, 5272.0, 5375.0, 5572.0, 5278.0, 5662.0, 5506.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5263.0, 5695.0, 5478.0, 5595.0, 5615.0, 5700.0, 5621.0, 5445.0, 5290.0, 5678.0, 5656.0, 5299.0, 5413.0, 5665.0, 5532.0, 5466.0, 5347.0, 5588.0, 5376.0, 5486.0 (number of hits: 14) |
| 30 | 5530.0 | 9 | 1.0 | 333 | 1 | 5484.0, 5303.0, 5685.0, 5473.0, 5470.0, 5270.0, 5285.0, 5419.0, 5420.0, 5317.0, 5388.0, 5500.0, 5724.0, 5606.0, 5460.0, 5308.0, 5367.0, 5465.0, 5250.0, 5650.0, 5691.0, 5553.0, 5511.0, 5680.0, 5625.0, 5309.0, 5387.0, 5403.0, 5647.0, 5262.0, 5677.0, 5273.0, 5686.0, 5638.0, 5616.0, 5619.0, 5588.0, 5622.0, 5568.0, 5497.0, 5408.0, 5489.0, 5547.0, 5277.0, 5582.0, 5617.0, 5376.0, 5458.0, 5597.0, 5413.0, 5423.0, 5472.0, 5698.0, 5418.0, 5474.0, 5659.0, 5708.0, 5495.0, 5446.0, 5397.0, 5449.0, 5532.0, 5671.0, 5258.0, 5674.0, 5313.0, 5336.0, 5292.0, 5525.0, 5658.0, 5722.0, 5372.0, 5521.0, 5571.0, 5365.0, 5295.0, 5693.0, 5545.0, 5526.0, 5341.0, 5305.0, 5714.0, 5332.0, 5323.0, 5342.0, 5401.0, 5350.0, 5719.0, 5639.0, 5540.0, 5491.0, 5661.0, 5383.0, 5294.0, 5641.0, 5518.0, 5416.0, 5328.0, 5326.0, 5539.0 (number of hits: 14) |

**AP Mode
Pine Radio****5500 MHz, 20 MHz Bandwidth**

| Radar Signal Type | Waveform/Trial Number | Detection (%) | Limit (%) | Pass/Fail |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| Type 1A/1B | 30 | 93.3 % | 60% | Pass |
| Type 2 | 30 | 76.7 % | 60% | Pass |
| Type 3 | 30 | 80 % | 60% | Pass |
| Type 4 | 30 | 86.7 % | 60% | Pass |
| Aggregate (Type1 to 4) | 120 | 84.2 % | 80% | Pass |
| Type 5 | 30 | 100 % | 80% | Pass |
| Type 6 | 30 | 96.7 % | 70% | Pass |

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|--|--------------------|--|------------------------------------|------------------------------------|
| 1 | 61 | 1.0 | 878 | 1 |
| 2 | 81 | 1.0 | 658 | 1 |
| 3 | 76 | 1.0 | 698 | 1 |
| 4 | 63 | 1.0 | 838 | 1 |
| 5 | 70 | 1.0 | 758 | 1 |
| 6 | 72 | 1.0 | 738 | 1 |
| 7 | 68 | 1.0 | 778 | 1 |
| 8 | 89 | 1.0 | 598 | 1 |
| 9 | 83 | 1.0 | 638 | 1 |
| 10 | 99 | 1.0 | 538 | 0 |
| 11 | 86 | 1.0 | 618 | 1 |
| 12 | 92 | 1.0 | 578 | 1 |
| 13 | 65 | 1.0 | 818 | 1 |
| 14 | 74 | 1.0 | 718 | 0 |
| 15 | 57 | 1.0 | 938 | 1 |
| 16 | 29 | 1.0 | 1834 | 1 |
| 17 | 93 | 1.0 | 570 | 1 |
| 18 | 23 | 1.0 | 2342 | 1 |
| 19 | 19 | 1.0 | 2869 | 1 |
| 20 | 19 | 1.0 | 2885 | 1 |
| 21 | 25 | 1.0 | 2147 | 1 |
| 22 | 24 | 1.0 | 2285 | 1 |
| 23 | 18 | 1.0 | 3049 | 1 |
| 24 | 51 | 1.0 | 1046 | 1 |
| 25 | 19 | 1.0 | 2883 | 1 |
| 26 | 25 | 1.0 | 2193 | 1 |
| 27 | 80 | 1.0 | 668 | 1 |
| 28 | 25 | 1.0 | 2195 | 1 |
| 29 | 20 | 1.0 | 2641 | 1 |
| 30 | 20 | 1.0 | 2684 | 1 |
| Detection Percentage: 93.3% (>60%) | | | | |

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 28 | 3.7 | 160 | 1 |
| 2 | 28 | 4.6 | 174 | 1 |
| 3 | 25 | 3.0 | 180 | 0 |
| 4 | 26 | 2.7 | 219 | 1 |
| 5 | 25 | 1.9 | 220 | 0 |
| 6 | 24 | 4.1 | 160 | 1 |
| 7 | 28 | 2.8 | 224 | 0 |
| 8 | 24 | 3.3 | 160 | 1 |
| 9 | 25 | 2.8 | 216 | 1 |
| 10 | 23 | 3.4 | 223 | 1 |
| 11 | 29 | 1.3 | 175 | 0 |
| 12 | 26 | 2.3 | 166 | 1 |
| 13 | 23 | 4.0 | 164 | 1 |
| 14 | 27 | 1.5 | 213 | 1 |
| 15 | 28 | 1.2 | 202 | 1 |
| 16 | 23 | 2.3 | 196 | 1 |
| 17 | 29 | 3.1 | 199 | 1 |
| 18 | 27 | 1.9 | 224 | 1 |
| 19 | 24 | 3.2 | 159 | 1 |
| 20 | 25 | 1.1 | 205 | 1 |
| 21 | 23 | 1.4 | 183 | 1 |
| 22 | 27 | 2.2 | 151 | 1 |
| 23 | 24 | 2.4 | 157 | 1 |
| 24 | 26 | 2.7 | 225 | 0 |
| 25 | 25 | 1.1 | 156 | 1 |
| 26 | 28 | 3.6 | 218 | 1 |
| 27 | 25 | 2.1 | 208 | 0 |
| 28 | 25 | 1.6 | 175 | 1 |
| 29 | 26 | 3.7 | 225 | 1 |
| 30 | 27 | 4.5 | 194 | 0 |
| Detection Percentage: 76.7 % (>60%) | | | | |

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 18 | 7.0 | 465 | 1 |
| 2 | 16 | 8.6 | 301 | 1 |
| 3 | 18 | 6.2 | 351 | 0 |
| 4 | 18 | 8.1 | 403 | 1 |
| 5 | 16 | 6.9 | 344 | 1 |
| 6 | 17 | 6.8 | 296 | 0 |
| 7 | 17 | 7.0 | 435 | 0 |
| 8 | 16 | 8.5 | 432 | 1 |
| 9 | 17 | 8.8 | 447 | 0 |
| 10 | 18 | 9.0 | 260 | 1 |
| 11 | 17 | 9.5 | 375 | 1 |
| 12 | 16 | 10.0 | 231 | 1 |
| 13 | 16 | 9.5 | 325 | 1 |
| 14 | 18 | 6.0 | 222 | 1 |
| 15 | 18 | 9.3 | 230 | 1 |
| 16 | 18 | 6.3 | 385 | 0 |
| 17 | 18 | 8.6 | 421 | 1 |
| 18 | 18 | 6.5 | 500 | 1 |
| 19 | 17 | 7.1 | 454 | 1 |
| 20 | 16 | 8.7 | 489 | 1 |
| 21 | 16 | 10.0 | 288 | 1 |
| 22 | 17 | 6.2 | 272 | 1 |
| 23 | 18 | 7.8 | 429 | 1 |
| 24 | 16 | 6.3 | 283 | 1 |
| 25 | 17 | 9.3 | 356 | 1 |
| 26 | 18 | 6.8 | 264 | 1 |
| 27 | 16 | 9.3 | 250 | 1 |
| 28 | 16 | 9.2 | 441 | 0 |
| 29 | 18 | 6.8 | 436 | 1 |
| 30 | 17 | 8.4 | 463 | 1 |
| Detection Percentage: 80 % (>60%) | | | | |

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

| Trial # | Pulse/Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) |
|---|-------------|------------------|----------|-------------------------|
| 1 | 16 | 16.1 | 408 | 1 |
| 2 | 16 | 14.6 | 366 | 1 |
| 3 | 13 | 16.7 | 243 | 1 |
| 4 | 15 | 13.4 | 485 | 1 |
| 5 | 15 | 12.7 | 271 | 1 |
| 6 | 13 | 15.4 | 301 | 1 |
| 7 | 13 | 19.3 | 200 | 1 |
| 8 | 12 | 17.5 | 208 | 0 |
| 9 | 13 | 13.6 | 444 | 1 |
| 10 | 12 | 13.8 | 250 | 1 |
| 11 | 13 | 13.2 | 379 | 0 |
| 12 | 12 | 15.6 | 470 | 1 |
| 13 | 13 | 19.3 | 213 | 1 |
| 14 | 13 | 16.5 | 342 | 0 |
| 15 | 16 | 17.1 | 494 | 1 |
| 16 | 16 | 20.0 | 282 | 1 |
| 17 | 13 | 11.2 | 238 | 1 |
| 18 | 13 | 19.6 | 246 | 1 |
| 19 | 13 | 12.7 | 257 | 1 |
| 20 | 12 | 16.8 | 222 | 1 |
| 21 | 12 | 11.9 | 485 | 1 |
| 22 | 16 | 16.9 | 497 | 1 |
| 23 | 13 | 16.9 | 424 | 1 |
| 24 | 16 | 11.1 | 319 | 1 |
| 25 | 16 | 16.9 | 436 | 1 |
| 26 | 16 | 18.6 | 344 | 1 |
| 27 | 14 | 13.9 | 355 | 1 |
| 28 | 13 | 14.0 | 335 | 0 |
| 29 | 12 | 14.6 | 323 | 1 |
| 30 | 15 | 19.6 | 473 | 1 |
| Detection Percentage: 86.7 % (>60%) | | | | |

Table-5 Radar Type 5 Statistical Performance

| Trial # | Fc (MHz) | Detection (1:yes; 0:no) |
|--|-----------------|--------------------------------|
| 1 | 5500 | 1 |
| 2 | 5500 | 1 |
| 3 | 5500 | 1 |
| 4 | 5500 | 1 |
| 5 | 5500 | 1 |
| 6 | 5500 | 1 |
| 7 | 5500 | 1 |
| 8 | 5500 | 1 |
| 9 | 5500 | 1 |
| 10 | 5500 | 1 |
| 11 | 5493.8 | 1 |
| 12 | 5498.2 | 1 |
| 13 | 5497.4 | 1 |
| 14 | 5497.0 | 1 |
| 15 | 5493.0 | 1 |
| 16 | 5495.8 | 1 |
| 17 | 5497.4 | 1 |
| 18 | 5496.2 | 1 |
| 19 | 5496.6 | 1 |
| 20 | 5497.8 | 1 |
| 21 | 5503.0 | 1 |
| 22 | 5504.2 | 1 |
| 23 | 5505.0 | 1 |
| 24 | 5501.8 | 1 |
| 25 | 5507.0 | 1 |
| 26 | 5502.6 | 1 |
| 27 | 5501.8 | 1 |
| 28 | 5502.2 | 1 |
| 29 | 5501.8 | 1 |
| 30 | 5505.4 | 1 |
| Detection Percentage: 100 % (>80%) | | |

Bin5 Statistics 1

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 5 | 81.7 | 1768 | | 0.334039 | 1 |
| 1 | 2 | 5 | 68.3 | 1549 | | 1.520146 | |
| 2 | 1 | 5 | 84.5 | | | 1.679714 | |
| 3 | 1 | 5 | 64.4 | | | 2.854169 | |
| 4 | 2 | 5 | 80.7 | 1997 | | 3.522107 | |
| 5 | 2 | 5 | 58.3 | 1047 | | 4.515605 | |
| 6 | 2 | 5 | 70.0 | 1041 | | 4.966702 | |
| 7 | 2 | 5 | 68.5 | 1372 | | 5.865236 | |
| 8 | 3 | 5 | 70.0 | 1505 | 1223 | 7.182451 | |
| 9 | 3 | 5 | 52.9 | 1635 | 1894 | 7.526689 | |
| 10 | 2 | 5 | 63.2 | 1782 | | 8.696248 | |
| 11 | 1 | 5 | 99.6 | | | 9.042230 | |
| 12 | 3 | 5 | 59.1 | 1929 | 1614 | 9.743669 | |
| 13 | 2 | 5 | 51.7 | 1733 | | 10.839786 | |
| 14 | 1 | 5 | 94.3 | | | 11.972045 | |

Bin5 Statistics 2

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 12 | 87.3 | 1849 | | 0.079895 | 1 |
| 1 | 1 | 12 | 76.5 | | | 1.211616 | |
| 2 | 2 | 12 | 72.1 | 1428 | | 2.184020 | |
| 3 | 2 | 12 | 92.3 | 1586 | | 3.932327 | |
| 4 | 2 | 12 | 58.5 | 1293 | | 4.117344 | |
| 5 | 2 | 12 | 83.6 | 1954 | | 5.980680 | |
| 6 | 1 | 12 | 64.2 | | | 6.703403 | |
| 7 | 2 | 12 | 58.2 | 1433 | | 7.336546 | |
| 8 | 2 | 12 | 80.7 | 1818 | | 8.212775 | |
| 9 | 2 | 12 | 93.6 | 1045 | | 9.696613 | |
| 10 | 2 | 12 | 78.0 | 1724 | | 10.338517 | |
| 11 | 2 | 12 | 85.7 | 1841 | | 11.992186 | |
| 0 | 2 | 12 | 87.3 | 1849 | | 0.079895 | |

Bin5 Statistics 3

| 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 | 1 | 7 | 55.4 | | | 0.280952 | 1 |
| 1 | 3 | 7 | 67.1 | 1556 | 1208 | 0.683521 | |
| 2 | 3 | 7 | 70.8 | 1196 | 1869 | 1.206987 | |
| 3 | 1 | 7 | 89.7 | | | 2.007192 | |
| 4 | 1 | 7 | 88.7 | | | 2.737607 | |
| 5 | 3 | 7 | 80.1 | 1619 | 1862 | 3.212230 | |
| 6 | 3 | 7 | 87.7 | 1139 | 1677 | 3.874980 | |
| 7 | 2 | 7 | 62.1 | 1031 | | 4.294657 | |
| 8 | 2 | 7 | 86.6 | 1249 | | 4.859308 | |
| 9 | 1 | 7 | 62.5 | | | 5.507521 | |
| 10 | 3 | 7 | 84.5 | 1067 | 1347 | 6.334566 | |
| 11 | 1 | 7 | 74.8 | | | 6.967394 | |
| 12 | 3 | 7 | 95.4 | 1516 | 1894 | 7.608467 | |
| 13 | 1 | 7 | 81.0 | | | 8.000234 | |
| 14 | 1 | 7 | 59.7 | | | 8.708533 | |
| 15 | 2 | 7 | 54.7 | 1935 | | 9.306028 | |
| 16 | 2 | 7 | 88.7 | 1060 | | 10.047840 | |
| 17 | 2 | 7 | 73.0 | 1954 | | 10.613457 | |
| 18 | 2 | 7 | 57.4 | 1430 | | 11.087823 | |
| 19 | 2 | 7 | 56.0 | 1627 | | 11.904656 | |

Bin5 Statistics 4

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 7 | 94.6 | | | 0.496334 | 1 |
| 1 | 3 | 7 | 90.2 | 1428 | 1685 | 0.797698 | |
| 2 | 2 | 7 | 77.6 | 1529 | | 1.988478 | |
| 3 | 3 | 7 | 92.1 | 1734 | 1395 | 2.520965 | |
| 4 | 3 | 7 | 84.8 | 1251 | 1382 | 3.138561 | |
| 5 | 1 | 7 | 51.4 | | | 3.915986 | |
| 6 | 1 | 7 | 81.0 | | | 4.405980 | |
| 7 | 2 | 7 | 78.4 | 1454 | | 4.953620 | |
| 8 | 3 | 7 | 86.0 | 1551 | 1009 | 5.791550 | |
| 9 | 3 | 7 | 80.6 | 1776 | 1569 | 6.580107 | |
| 10 | 3 | 7 | 71.2 | 1337 | 1180 | 7.723775 | |
| 11 | 3 | 7 | 75.8 | 1224 | 1586 | 8.415520 | |
| 12 | 1 | 7 | 90.4 | | | 9.038124 | |
| 13 | 2 | 7 | 52.4 | 1573 | | 9.489086 | |
| 14 | 1 | 7 | 71.2 | | | 10.005895 | |
| 15 | 2 | 7 | 71.0 | 1859 | | 10.642140 | |
| 16 | 2 | 7 | 60.8 | 1626 | | 11.440179 | |

Bin5 Statistics 5

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 5 | 59.7 | 1435 | | 0.128998 | 1 |
| 1 | 3 | 5 | 75.0 | 1366 | 1909 | 0.953561 | |
| 2 | 3 | 5 | 90.1 | 1001 | 1785 | 1.443511 | |
| 3 | 3 | 5 | 90.3 | 1645 | 1509 | 2.269369 | |
| 4 | 2 | 5 | 67.9 | 1470 | | 2.614060 | |
| 5 | 2 | 5 | 85.7 | 1371 | | 3.028023 | |
| 6 | 3 | 5 | 60.8 | 1631 | 1177 | 3.935841 | |
| 7 | 1 | 5 | 97.9 | | | 4.582021 | |
| 8 | 1 | 5 | 94.6 | | | 5.085197 | |
| 9 | 2 | 5 | 98.2 | 1104 | | 5.444307 | |
| 10 | 2 | 5 | 66.6 | 1894 | | 6.464582 | |
| 11 | 3 | 5 | 81.0 | 1024 | 1094 | 6.884740 | |
| 12 | 1 | 5 | 63.6 | | | 7.449854 | |
| 13 | 3 | 5 | 87.0 | 1331 | 1036 | 8.390842 | |
| 14 | 2 | 5 | 65.0 | 1569 | | 8.529100 | |
| 15 | 2 | 5 | 88.9 | 1761 | | 9.091415 | |
| 16 | 2 | 5 | 61.0 | 1746 | | 9.872540 | |
| 17 | 1 | 5 | 74.4 | | | 10.671886 | |
| 18 | 1 | 5 | 91.6 | | | 11.276962 | |
| 19 | 3 | 5 | 58.7 | 1054 | 1433 | 11.677586 | |

Bin5 Statistics 6

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 12 | 86.9 | | | 0.169263 | 1 |
| 1 | 2 | 12 | 92.5 | 1615 | | 1.360244 | |
| 2 | 2 | 12 | 94.0 | 1311 | | 2.020430 | |
| 3 | 1 | 12 | 77.1 | | | 2.375258 | |
| 4 | 2 | 12 | 63.5 | 1187 | | 3.347947 | |
| 5 | 2 | 12 | 61.1 | 1800 | | 3.811132 | |
| 6 | 2 | 12 | 64.3 | 1064 | | 4.424619 | |
| 7 | 2 | 12 | 88.5 | 1043 | | 5.010505 | |
| 8 | 1 | 12 | 72.2 | | | 6.112211 | |
| 9 | 1 | 12 | 57.1 | | | 6.447032 | |
| 10 | 2 | 12 | 87.7 | 1867 | | 7.111082 | |
| 11 | 3 | 12 | 55.2 | 1998 | 1824 | 8.118563 | |
| 12 | 3 | 12 | 63.3 | 1367 | 1407 | 8.635863 | |
| 13 | 1 | 12 | 79.8 | | | 9.320234 | |
| 14 | 2 | 12 | 79.3 | 1442 | | 9.897319 | |
| 15 | 3 | 12 | 82.1 | 1639 | 1268 | 11.137853 | |
| 16 | 1 | 12 | 61.4 | | | 11.657106 | |

Bin5 Statistics 7

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 8 | 61.4 | 1273 | | 0.392663 | 1 |
| 1 | 2 | 8 | 58.2 | 1726 | | 0.941685 | |
| 2 | 2 | 8 | 85.2 | 1601 | | 2.097760 | |
| 3 | 2 | 8 | 81.1 | 1400 | | 3.055573 | |
| 4 | 3 | 8 | 91.1 | 1950 | 1123 | 3.965233 | |
| 5 | 1 | 8 | 80.3 | | | 4.338927 | |
| 6 | 2 | 8 | 92.4 | 1669 | | 4.927574 | |
| 7 | 2 | 8 | 62.1 | 1591 | | 6.269942 | |
| 8 | 1 | 8 | 87.7 | | | 6.912992 | |
| 9 | 1 | 8 | 52.6 | | | 7.821446 | |
| 10 | 1 | 8 | 79.1 | | | 8.698717 | |
| 11 | 1 | 8 | 52.7 | | | 8.979248 | |
| 12 | 1 | 8 | 92.9 | | | 10.099265 | |
| 13 | 3 | 8 | 70.2 | 1633 | 1807 | 11.112501 | |
| 14 | 2 | 8 | 89.5 | 1350 | | 11.226901 | |

Bin5 Statistics 8

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 6 | 99.0 | 1963 | 1246 | 0.139760 | 1 |
| 1 | 1 | 6 | 56.8 | | | 0.783775 | |
| 2 | 2 | 6 | 82.1 | 1495 | | 2.051216 | |
| 3 | 1 | 6 | 65.1 | | | 2.236327 | |
| 4 | 3 | 6 | 58.5 | 1489 | 1406 | 3.322230 | |
| 5 | 2 | 6 | 65.0 | 1893 | | 4.114997 | |
| 6 | 1 | 6 | 66.9 | | | 4.527367 | |
| 7 | 2 | 6 | 56.0 | 1306 | | 5.560888 | |
| 8 | 1 | 6 | 53.9 | | | 6.234002 | |
| 9 | 2 | 6 | 70.5 | 1126 | | 6.802400 | |
| 10 | 1 | 6 | 62.3 | | | 7.299655 | |
| 11 | 1 | 6 | 50.0 | | | 8.016027 | |
| 12 | 1 | 6 | 68.8 | | | 8.636506 | |
| 13 | 1 | 6 | 84.0 | | | 9.739768 | |
| 14 | 1 | 6 | 98.5 | | | 10.342915 | |
| 15 | 1 | 6 | 91.9 | | | 11.113086 | |
| 16 | 3 | 6 | 82.3 | 1474 | 1836 | 11.752328 | |

Bin5 Statistics 9

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 12 | 53.1 | 1774 | | 0.907353 | 1 |
| 1 | 2 | 12 | 90.7 | 1936 | | 1.570346 | |
| 2 | 2 | 12 | 64.8 | 1142 | | 4.249426 | |
| 3 | 2 | 12 | 98.8 | 1331 | | 4.913737 | |
| 4 | 3 | 12 | 59.2 | 1551 | 1097 | 6.234335 | |
| 5 | 2 | 12 | 88.6 | 1070 | | 8.140449 | |
| 6 | 2 | 12 | 99.0 | 1832 | | 10.050181 | |
| 7 | 2 | 12 | 68.4 | 1595 | | 11.854923 | |

Bin5 Statistics 10

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 14 | 66.9 | | | 0.058815 | 1 |
| 1 | 2 | 14 | 52.9 | 1563 | | 1.229841 | |
| 2 | 2 | 14 | 54.4 | 1459 | | 1.739792 | |
| 3 | 2 | 14 | 77.9 | 1350 | | 2.099321 | |
| 4 | 3 | 14 | 57.2 | 1455 | 1833 | 3.131234 | |
| 5 | 2 | 14 | 50.9 | 1032 | | 3.505154 | |
| 6 | 2 | 14 | 52.4 | 1859 | | 4.138907 | |
| 7 | 2 | 14 | 88.3 | 1575 | | 4.470784 | |
| 8 | 3 | 14 | 74.2 | 1755 | 1773 | 5.105959 | |
| 9 | 2 | 14 | 91.5 | 1801 | | 5.984320 | |
| 10 | 3 | 14 | 84.1 | 1403 | 1264 | 6.629824 | |
| 11 | 1 | 14 | 63.0 | | | 7.136671 | |
| 12 | 2 | 14 | 99.4 | 1587 | | 7.945129 | |
| 13 | 2 | 14 | 83.7 | 1849 | | 8.601165 | |
| 14 | 3 | 14 | 78.0 | 1883 | 1212 | 9.284096 | |
| 15 | 1 | 14 | 86.0 | | | 9.544927 | |
| 16 | 2 | 14 | 65.6 | 1947 | | 10.432288 | |
| 17 | 1 | 14 | 85.4 | | | 10.768037 | |
| 18 | 1 | 14 | 88.2 | | | 11.843165 | |

Bin5 Statistics 11

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 7 | 83.7 | | | 0.013181 | 1 |
| 1 | 3 | 7 | 93.9 | 1225 | 1235 | 0.863739 | |
| 2 | 3 | 7 | 92.5 | 1609 | 1665 | 1.467212 | |
| 3 | 1 | 7 | 64.9 | | | 2.278818 | |
| 4 | 1 | 7 | 50.9 | | | 2.854936 | |
| 5 | 2 | 7 | 93.3 | 1736 | | 3.521010 | |
| 6 | 1 | 7 | 77.3 | | | 4.038219 | |
| 7 | 2 | 7 | 59.4 | 1217 | | 4.568263 | |
| 8 | 2 | 7 | 85.2 | 1042 | | 5.511305 | |
| 9 | 2 | 7 | 79.3 | 1342 | | 5.723420 | |
| 10 | 3 | 7 | 52.8 | 1988 | 1683 | 6.419780 | |
| 11 | 2 | 7 | 58.8 | 1198 | | 7.177692 | |
| 12 | 1 | 7 | 84.4 | | | 8.159777 | |
| 13 | 2 | 7 | 91.4 | 1526 | | 8.597850 | |
| 14 | 2 | 7 | 98.5 | 1345 | | 8.940120 | |
| 15 | 2 | 7 | 92.1 | 1288 | | 9.475847 | |
| 16 | 2 | 7 | 58.5 | 1413 | | 10.595326 | |
| 17 | 1 | 7 | 97.4 | | | 11.302104 | |
| 18 | 3 | 7 | 82.8 | 1042 | 1091 | 11.952560 | |

Bin5 Statistics 12

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 18 | 92.3 | 1911 | | 0.180677 | 1 |
| 1 | 2 | 18 | 76.6 | 1301 | | 0.711487 | |
| 2 | 1 | 18 | 71.9 | | | 1.420062 | |
| 3 | 1 | 18 | 92.1 | | | 2.231294 | |
| 4 | 1 | 18 | 53.1 | | | 3.043897 | |
| 5 | 2 | 18 | 52.3 | 1798 | | 4.095630 | |
| 6 | 3 | 18 | 91.9 | 1551 | 1996 | 4.782695 | |
| 7 | 2 | 18 | 77.6 | 1209 | | 5.251449 | |
| 8 | 2 | 18 | 59.6 | 1167 | | 5.986435 | |
| 9 | 2 | 18 | 78.9 | 1571 | | 6.504265 | |
| 10 | 3 | 18 | 73.9 | 1225 | 1543 | 7.517106 | |
| 11 | 1 | 18 | 97.7 | | | 7.947614 | |
| 12 | 2 | 18 | 81.4 | 1759 | | 8.670840 | |
| 13 | 2 | 18 | 89.4 | 1262 | | 9.445594 | |
| 14 | 2 | 18 | 65.4 | 1623 | | 10.091751 | |
| 15 | 3 | 18 | 71.8 | 1070 | 1239 | 11.215968 | |
| 16 | 2 | 18 | 85.7 | 1185 | | 11.410653 | |

Bin5 Statistics 13

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 16 | 89.4 | | | 0.690239 | 1 |
| 1 | 2 | 16 | 75.2 | 1038 | | 0.824948 | |
| 2 | 2 | 16 | 61.2 | 1390 | | 1.758987 | |
| 3 | 2 | 16 | 66.4 | 1273 | | 2.778348 | |
| 4 | 2 | 16 | 65.6 | 1853 | | 3.219794 | |
| 5 | 2 | 16 | 77.6 | 1286 | | 3.785807 | |
| 6 | 2 | 16 | 64.5 | 1773 | | 4.667812 | |
| 7 | 1 | 16 | 64.0 | | | 5.206457 | |
| 8 | 2 | 16 | 81.9 | 1233 | | 6.180075 | |
| 9 | 2 | 16 | 55.3 | 1352 | | 6.806581 | |
| 10 | 2 | 16 | 89.6 | 1749 | | 7.371919 | |
| 11 | 3 | 16 | 58.3 | 1535 | 1214 | 7.806659 | |
| 12 | 1 | 16 | 68.2 | | | 9.027416 | |
| 13 | 2 | 16 | 87.1 | 1859 | | 9.877214 | |
| 14 | 1 | 16 | 75.4 | | | 10.395604 | |
| 15 | 2 | 16 | 56.2 | 1967 | | 11.281018 | |
| 16 | 2 | 16 | 84.7 | 1734 | | 11.737393 | |

Bin5 Statistics 14

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 15 | 80.5 | 1198 | | 0.580033 | 1 |
| 1 | 3 | 15 | 71.0 | 1744 | 1158 | 1.032125 | |
| 2 | 3 | 15 | 98.6 | 1926 | 1822 | 1.379370 | |
| 3 | 2 | 15 | 96.9 | 1935 | | 2.472998 | |
| 4 | 2 | 15 | 85.4 | 1572 | | 3.097967 | |
| 5 | 3 | 15 | 97.7 | 1494 | 1333 | 3.534082 | |
| 6 | 3 | 15 | 78.6 | 1423 | 1091 | 4.286005 | |
| 7 | 2 | 15 | 51.4 | 1043 | | 4.774921 | |
| 8 | 3 | 15 | 66.2 | 1745 | 1538 | 5.376675 | |
| 9 | 3 | 15 | 71.5 | 1923 | 1859 | 6.489402 | |
| 10 | 2 | 15 | 59.0 | 1134 | | 6.994338 | |
| 11 | 2 | 15 | 68.8 | 1707 | | 7.615155 | |
| 12 | 2 | 15 | 71.6 | 1780 | | 8.340326 | |
| 13 | 1 | 15 | 80.5 | | | 9.070322 | |
| 14 | 3 | 15 | 53.1 | 1983 | 1330 | 9.932592 | |
| 15 | 3 | 15 | 54.9 | 1874 | 1679 | 10.322792 | |
| 16 | 2 | 15 | 90.8 | 1067 | | 10.967855 | |
| 17 | 1 | 15 | 50.1 | | | 11.370343 | |

Bin5 Statistic 15

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 5 | 69.3 | 1273 | | 0.317808 | 1 |
| 1 | 2 | 5 | 94.6 | 1190 | | 0.963521 | |
| 2 | 1 | 5 | 78.6 | | | 1.945967 | |
| 3 | 1 | 5 | 86.5 | | | 2.671965 | |
| 4 | 3 | 5 | 87.1 | 1714 | 1684 | 3.421301 | |
| 5 | 1 | 5 | 82.1 | | | 4.201319 | |
| 6 | 2 | 5 | 93.8 | 1412 | | 5.517128 | |
| 7 | 2 | 5 | 82.9 | 1313 | | 6.340614 | |
| 8 | 1 | 5 | 58.4 | | | 6.874425 | |
| 9 | 1 | 5 | 72.6 | | | 7.717739 | |
| 10 | 2 | 5 | 89.2 | 1409 | | 8.634135 | |
| 11 | 1 | 5 | 91.9 | | | 9.388819 | |
| 12 | 2 | 5 | 60.0 | 1320 | | 10.310182 | |
| 13 | 2 | 5 | 87.1 | 1259 | | 10.717906 | |
| 14 | 1 | 5 | 66.0 | | | 11.710680 | |

Bin5 Statistics 16

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 12 | 92.6 | | | 0.139936 | 1 |
| 1 | 1 | 12 | 87.9 | | | 1.936186 | |
| 2 | 2 | 12 | 71.4 | 1069 | | 2.344068 | |
| 3 | 2 | 12 | 59.2 | 1464 | | 3.432906 | |
| 4 | 2 | 12 | 83.6 | 1569 | | 4.825426 | |
| 5 | 2 | 12 | 55.8 | 1602 | | 5.102382 | |
| 6 | 2 | 12 | 79.6 | 1426 | | 6.969565 | |
| 7 | 1 | 12 | 77.8 | | | 7.788701 | |
| 8 | 2 | 12 | 99.0 | 1703 | | 8.715615 | |
| 9 | 2 | 12 | 71.6 | 1611 | | 9.630591 | |
| 10 | 1 | 12 | 50.1 | | | 10.087154 | |
| 11 | 1 | 12 | 75.3 | | | 11.456791 | |

Bin5 Statistics 17

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 16 | 50.9 | | | 0.594873 | 1 |
| 1 | 3 | 16 | 75.1 | 1837 | 1427 | 0.980524 | |
| 2 | 3 | 16 | 97.4 | 1346 | 1246 | 1.913854 | |
| 3 | 2 | 16 | 63.4 | 1709 | | 2.207851 | |
| 4 | 2 | 16 | 66.1 | 1410 | | 3.124245 | |
| 5 | 3 | 16 | 90.8 | 1723 | 1165 | 4.199519 | |
| 6 | 1 | 16 | 59.5 | | | 4.253811 | |
| 7 | 2 | 16 | 72.1 | 1277 | | 5.586273 | |
| 8 | 2 | 16 | 95.0 | 1005 | | 5.686340 | |
| 9 | 2 | 16 | 96.3 | 1382 | | 6.993866 | |
| 10 | 3 | 16 | 95.2 | 1062 | 1200 | 7.125161 | |
| 11 | 3 | 16 | 56.1 | 1536 | 1417 | 7.966051 | |
| 12 | 2 | 16 | 51.7 | 1814 | | 8.620348 | |
| 13 | 2 | 16 | 79.0 | 1936 | | 9.640827 | |
| 14 | 1 | 16 | 60.2 | | | 10.269304 | |
| 15 | 3 | 16 | 51.2 | 1546 | 1424 | 11.195428 | |
| 16 | 3 | 16 | 53.3 | 1789 | 1794 | 11.899065 | |

Bin5 Statistics 18

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 13 | 82.5 | | | 0.529041 | 1 |
| 1 | 3 | 13 | 78.0 | 1836 | 1311 | 0.939006 | |
| 2 | 3 | 13 | 61.1 | 1388 | 1407 | 1.473111 | |
| 3 | 1 | 13 | 66.9 | | | 2.579706 | |
| 4 | 2 | 13 | 94.7 | 1619 | | 3.137541 | |
| 5 | 2 | 13 | 85.7 | 1637 | | 3.691486 | |
| 6 | 2 | 13 | 56.1 | 1505 | | 4.178775 | |
| 7 | 2 | 13 | 69.5 | 1752 | | 5.309558 | |
| 8 | 1 | 13 | 59.5 | | | 5.459358 | |
| 9 | 1 | 13 | 93.8 | | | 6.054643 | |
| 10 | 2 | 13 | 55.0 | 1194 | | 7.291263 | |
| 11 | 2 | 13 | 54.0 | 1402 | | 7.922248 | |
| 12 | 3 | 13 | 74.3 | 1875 | 1160 | 8.424459 | |
| 13 | 2 | 13 | 80.0 | 1772 | | 8.960787 | |
| 14 | 2 | 13 | 98.7 | 1819 | | 9.575074 | |
| 15 | 2 | 13 | 91.2 | 1992 | | 10.125568 | |
| 16 | 1 | 13 | 74.7 | | | 11.037122 | |
| 17 | 1 | 13 | 62.4 | | | 11.510775 | |

Bin5 Statistics 19

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 14 | 54.5 | 1994 | | 0.465411 | 1 |
| 1 | 2 | 14 | 59.2 | 1311 | | 0.864146 | |
| 2 | 2 | 14 | 63.2 | 1417 | | 2.241969 | |
| 3 | 1 | 14 | 99.5 | | | 2.726884 | |
| 4 | 2 | 14 | 70.4 | 1150 | | 3.733533 | |
| 5 | 3 | 14 | 74.9 | 1978 | 1724 | 3.964690 | |
| 6 | 1 | 14 | 75.4 | | | 4.959863 | |
| 7 | 2 | 14 | 60.1 | 1973 | | 5.693545 | |
| 8 | 2 | 14 | 50.0 | 1737 | | 6.363283 | |
| 9 | 1 | 14 | 52.5 | | | 7.273725 | |
| 10 | 1 | 14 | 57.6 | | | 8.142918 | |
| 11 | 2 | 14 | 87.8 | 1981 | | 8.384385 | |
| 12 | 3 | 14 | 70.5 | 1084 | 1199 | 9.014575 | |
| 13 | 3 | 14 | 96.9 | 1468 | 1900 | 10.348972 | |
| 14 | 2 | 14 | 87.2 | 1383 | | 10.855878 | |
| 15 | 1 | 14 | 65.9 | | | 11.418328 | |

Bin5 Statistics 20

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 17 | 98.5 | | | 0.776684 | 1 |
| 1 | 1 | 17 | 52.4 | | | 1.893914 | |
| 2 | 2 | 17 | 95.1 | 1964 | | 2.244050 | |
| 3 | 3 | 17 | 52.7 | 1479 | 1296 | 4.010311 | |
| 4 | 2 | 17 | 74.5 | 1324 | | 4.533778 | |
| 5 | 3 | 17 | 58.5 | 1566 | 1534 | 6.146554 | |
| 6 | 2 | 17 | 75.5 | 1452 | | 7.358931 | |
| 7 | 2 | 17 | 76.5 | 1081 | | 8.647275 | |
| 8 | 3 | 17 | 69.0 | 1963 | 1604 | 8.926655 | |
| 9 | 2 | 17 | 69.8 | 1125 | | 10.602693 | |
| 10 | 2 | 17 | 59.0 | 1119 | | 10.913194 | |

Bin5 Statistics 21

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 15 | 71.8 | 1957 | | 0.285936 | 1 |
| 1 | 2 | 15 | 94.8 | 1992 | | 1.476529 | |
| 2 | 2 | 15 | 62.8 | 1366 | | 2.349823 | |
| 3 | 3 | 15 | 87.0 | 1192 | 1792 | 3.151569 | |
| 4 | 2 | 15 | 65.4 | 1997 | | 3.336916 | |
| 5 | 3 | 15 | 66.3 | 1276 | 1250 | 4.588688 | |
| 6 | 2 | 15 | 63.9 | 1923 | | 4.900916 | |
| 7 | 2 | 15 | 56.7 | 1683 | | 6.111741 | |
| 8 | 3 | 15 | 56.9 | 1014 | 1768 | 6.541457 | |
| 9 | 2 | 15 | 74.2 | 1729 | | 7.741561 | |
| 10 | 1 | 15 | 53.0 | | | 8.497969 | |
| 11 | 2 | 15 | 95.9 | 1192 | | 9.070100 | |
| 12 | 2 | 15 | 67.4 | 1861 | | 10.191502 | |
| 13 | 2 | 15 | 54.5 | 1364 | | 11.132229 | |
| 14 | 3 | 15 | 92.0 | 1434 | 1919 | 11.688786 | |

Bin5 Statistics 22

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 12 | 69.2 | 1411 | | 0.569779 | 1 |
| 1 | 2 | 12 | 61.9 | 1488 | | 1.930241 | |
| 2 | 1 | 12 | 96.6 | | | 4.256500 | |
| 3 | 3 | 12 | 54.6 | 1596 | 1524 | 5.294568 | |
| 4 | 2 | 12 | 69.3 | 1472 | | 6.268934 | |
| 5 | 1 | 12 | 54.8 | | | 8.095624 | |
| 6 | 2 | 12 | 52.2 | 1975 | | 10.098715 | |
| 7 | 1 | 12 | 52.3 | | | 11.235288 | |

Bin5 Statistics 23

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 10 | 69.0 | 1206 | | 1.308166 | 1 |
| 1 | 3 | 10 | 68.7 | 1154 | 1354 | 1.524840 | |
| 2 | 3 | 10 | 69.0 | 1051 | 1546 | 3.740969 | |
| 3 | 2 | 10 | 56.0 | 1432 | | 5.243427 | |
| 4 | 3 | 10 | 83.3 | 1920 | 1579 | 6.256279 | |
| 5 | 1 | 10 | 68.5 | | | 8.255150 | |
| 6 | 2 | 10 | 90.2 | 1791 | | 9.017030 | |
| 7 | 1 | 10 | 89.2 | | | 11.557783 | |

Bin5 Statistics 24

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 18 | 84.2 | 1510 | | 0.626947 | 1 |
| 1 | 2 | 18 | 67.9 | 1450 | | 1.595719 | |
| 2 | 2 | 18 | 79.7 | 1957 | | 1.945523 | |
| 3 | 2 | 18 | 66.9 | 1851 | | 2.978693 | |
| 4 | 2 | 18 | 93.4 | 1203 | | 4.226884 | |
| 5 | 2 | 18 | 96.7 | 1704 | | 4.759630 | |
| 6 | 2 | 18 | 74.9 | 1703 | | 5.966098 | |
| 7 | 3 | 18 | 58.6 | 1743 | 1123 | 6.950127 | |
| 8 | 2 | 18 | 52.4 | 1491 | | 7.581283 | |
| 9 | 2 | 18 | 56.8 | 1729 | | 8.473995 | |
| 10 | 1 | 18 | 80.5 | | | 9.709286 | |
| 11 | 3 | 18 | 77.3 | 1358 | 1913 | 10.685233 | |
| 12 | 3 | 18 | 86.0 | 1723 | 1368 | 11.416177 | |

Bin5 Statistics 25

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 5 | 70.1 | | | 0.242602 | 1 |
| 1 | 2 | 5 | 54.2 | 1497 | | 1.467287 | |
| 2 | 1 | 5 | 74.1 | | | 1.575794 | |
| 3 | 3 | 5 | 55.7 | 1465 | 1787 | 2.513979 | |
| 4 | 3 | 5 | 72.4 | 1910 | 1202 | 3.059395 | |
| 5 | 2 | 5 | 52.4 | 1753 | | 4.045961 | |
| 6 | 3 | 5 | 85.5 | 1908 | 1728 | 4.852699 | |
| 7 | 2 | 5 | 87.5 | 1878 | | 5.988975 | |
| 8 | 2 | 5 | 59.9 | 1031 | | 6.166171 | |
| 9 | 1 | 5 | 65.0 | | | 6.794180 | |
| 10 | 3 | 5 | 57.3 | 1227 | 1497 | 7.617165 | |
| 11 | 2 | 5 | 51.5 | 1297 | | 8.550294 | |
| 12 | 1 | 5 | 97.7 | | | 9.422154 | |
| 13 | 1 | 5 | 58.9 | | | 10.351928 | |
| 14 | 3 | 5 | 52.7 | 1280 | 1683 | 10.539854 | |
| 15 | 2 | 5 | 87.3 | 1392 | | 11.790438 | |

Bin5 Statistics 26

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 16 | 55.4 | | | 0.683515 | 1 |
| 1 | 1 | 16 | 64.4 | | | 0.950013 | |
| 2 | 2 | 16 | 81.1 | 1813 | | 1.915673 | |
| 3 | 3 | 16 | 59.4 | 1949 | 1194 | 2.744900 | |
| 4 | 2 | 16 | 79.1 | 1898 | | 3.736850 | |
| 5 | 2 | 16 | 93.6 | 1567 | | 4.460424 | |
| 6 | 3 | 16 | 79.4 | 1463 | 1092 | 5.511112 | |
| 7 | 2 | 16 | 89.2 | 1901 | | 6.019624 | |
| 8 | 2 | 16 | 98.7 | 1154 | | 6.492010 | |
| 9 | 1 | 16 | 61.9 | | | 7.662556 | |
| 10 | 3 | 16 | 82.4 | 1188 | 1728 | 8.197025 | |
| 11 | 2 | 16 | 81.7 | 1071 | | 9.151504 | |
| 12 | 3 | 16 | 93.6 | 1063 | 1196 | 10.082955 | |
| 13 | 1 | 16 | 58.4 | | | 10.428898 | |
| 14 | 1 | 16 | 74.7 | | | 11.492183 | |

Bin5 Statistics 27

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 18 | 55.1 | 1493 | | 0.609190 | 1 |
| 1 | 3 | 18 | 74.1 | 1730 | 1798 | 1.376681 | |
| 2 | 2 | 18 | 56.3 | 1771 | | 2.236027 | |
| 3 | 2 | 18 | 64.1 | 1330 | | 3.089493 | |
| 4 | 1 | 18 | 56.1 | | | 4.275825 | |
| 5 | 2 | 18 | 72.5 | 1726 | | 5.199481 | |
| 6 | 2 | 18 | 60.9 | 1002 | | 6.354754 | |
| 7 | 1 | 18 | 80.9 | | | 6.830536 | |
| 8 | 1 | 18 | 87.3 | | | 8.032289 | |
| 9 | 2 | 18 | 52.7 | 1077 | | 8.604916 | |
| 10 | 1 | 18 | 74.3 | | | 9.695568 | |
| 11 | 2 | 18 | 72.9 | 1267 | | 10.675107 | |
| 12 | 2 | 18 | 74.8 | 1555 | | 11.267021 | |

Bin5 Statistics 28

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 17 | 65.0 | | | 0.349196 | 1 |
| 1 | 2 | 17 | 83.1 | 1634 | | 1.560190 | |
| 2 | 1 | 17 | 96.4 | | | 1.932671 | |
| 3 | 3 | 17 | 53.7 | 1175 | 1445 | 2.684805 | |
| 4 | 3 | 17 | 75.3 | 1348 | 1611 | 3.668037 | |
| 5 | 2 | 17 | 54.9 | 1569 | | 4.231436 | |
| 6 | 1 | 17 | 99.8 | | | 5.369786 | |
| 7 | 2 | 17 | 53.9 | 1210 | | 6.234018 | |
| 8 | 1 | 17 | 60.2 | | | 6.512782 | |
| 9 | 2 | 17 | 53.8 | 1523 | | 7.423929 | |
| 10 | 2 | 17 | 73.0 | 1365 | | 8.015227 | |
| 11 | 3 | 17 | 95.3 | 1855 | 1426 | 9.083572 | |
| 12 | 2 | 17 | 82.7 | 1056 | | 9.836883 | |
| 13 | 2 | 17 | 60.4 | 1960 | | 11.155916 | |
| 14 | 2 | 17 | 98.9 | 1465 | | 11.516964 | |

Bin5 Statistics 29

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 18 | 56.6 | 1560 | | 0.368953 | 1 |
| 1 | 1 | 18 | 95.3 | | | 1.388167 | |
| 2 | 2 | 18 | 80.1 | 1425 | | 1.766309 | |
| 3 | 2 | 18 | 74.3 | 1229 | | 2.738812 | |
| 4 | 2 | 18 | 71.8 | 1403 | | 2.968667 | |
| 5 | 2 | 18 | 60.7 | 1198 | | 3.946142 | |
| 6 | 1 | 18 | 72.9 | | | 4.281488 | |
| 7 | 1 | 18 | 62.4 | | | 5.405152 | |
| 8 | 1 | 18 | 51.8 | | | 6.279924 | |
| 9 | 3 | 18 | 51.9 | 1411 | 1512 | 6.632594 | |
| 10 | 1 | 18 | 89.2 | | | 7.167852 | |
| 11 | 2 | 18 | 64.9 | 1442 | | 8.097411 | |
| 12 | 3 | 18 | 67.9 | 1041 | 1018 | 8.948921 | |
| 13 | 1 | 18 | 53.4 | | | 9.297050 | |
| 14 | 1 | 18 | 81.3 | | | 10.566738 | |
| 15 | 3 | 18 | 100.0 | 1099 | 1890 | 11.188516 | |
| 16 | 3 | 18 | 73.1 | 1738 | 1200 | 11.585566 | |

Bin5 Statistics 30

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 9 | 63.4 | 1370 | 1410 | 0.781990 | 1 |
| 1 | 2 | 9 | 93.2 | 1988 | | 2.010034 | |
| 2 | 3 | 9 | 89.3 | 1765 | 1590 | 2.191149 | |
| 3 | 2 | 9 | 69.4 | 1524 | | 3.499087 | |
| 4 | 2 | 9 | 60.5 | 1855 | | 5.161330 | |
| 5 | 2 | 9 | 74.8 | 1040 | | 5.976724 | |
| 6 | 2 | 9 | 55.8 | 1922 | | 7.218350 | |
| 7 | 2 | 9 | 87.9 | 1631 | | 8.379717 | |
| 8 | 3 | 9 | 76.2 | 1324 | 1997 | 9.046354 | |
| 9 | 3 | 9 | 58.6 | 1914 | 1037 | 9.932914 | |
| 10 | 1 | 9 | 88.9 | | | 11.948342 | |

s

Table-6 Radar Type 6 Statistical Performance

| Trial # | Fc (MHz) | Pulse /Burst | Pulse Width (μS) | PRI (μs) | Detecti on (1:yes; 0:no) | Hopping Sequence |
|---------|----------|--------------|------------------|----------|--------------------------|--|
| 1 | 5500.0 | 9 | 1.0 | 333 | 1 | 5571.0, 5327.0, 5356.0, 5508.0, 5394.0, 5332.0, 5656.0, 5386.0, 5560.0, 5660.0, 5310.0, 5283.0, 5260.0, 5679.0, 5388.0, 5639.0, 5401.0, 5616.0, 5671.0, 5279.0, 5607.0, 5496.0, 5527.0, 5372.0, 5345.0, 5336.0, 5434.0, 5673.0, 5422.0, 5300.0, 5257.0, 5475.0, 5709.0, 5485.0, 5505.0, 5577.0, 5552.0, 5396.0, 5669.0, 5603.0, 5448.0, 5617.0, 5711.0, 5615.0, 5265.0, 5273.0, 5583.0, 5326.0, 5672.0, 5313.0, 5517.0, 5287.0, 5483.0, 5529.0, 5651.0, 5271.0, 5534.0, 5481.0, 5548.0, 5642.0, 5584.0, 5570.0, 5701.0, 5341.0, 5623.0, 5466.0, 5343.0, 5293.0, 5516.0, 5406.0, 5634.0, 5717.0, 5395.0, 5373.0, 5592.0, 5670.0, 5462.0, 5435.0, 5489.0, 5474.0, 5322.0, 5382.0, 5426.0, 5282.0, 5612.0, 5579.0, 5582.0, 5688.0, 5526.0, 5549.0, 5574.0, 5427.0, 5354.0, 5602.0, 5407.0, 5614.0, 5366.0, 5503.0, 5572.0, 5522.0 (number of hits: 4) |
| 2 | 5500.0 | 9 | 1.0 | 333 | 1 | 5630.0, 5495.0, 5628.0, 5475.0, 5253.0, 5440.0, 5526.0, 5639.0, 5292.0, 5510.0, 5276.0, 5709.0, 5548.0, 5326.0, 5604.0, 5530.0, 5297.0, 5654.0, 5603.0, 5509.0, 5618.0, 5370.0, 5522.0, 5513.0, 5362.0, 5622.0, 5655.0, 5488.0, 5719.0, 5547.0, 5658.0, 5421.0, 5612.0, 5711.0, 5400.0, 5310.0, 5680.0, 5521.0, 5713.0, 5501.0, 5645.0, 5646.0, 5272.0, 5336.0, 5279.0, 5637.0, 5311.0, 5555.0, 5492.0, 5703.0, 5414.0, 5691.0, 5308.0, 5358.0, 5624.0, 5422.0, 5621.0, 5271.0, 5479.0, 5477.0, 5597.0, 5472.0, 5572.0, 5525.0, 5349.0, 5718.0, 5410.0, 5546.0, 5651.0, 5633.0, 5427.0, 5496.0, 5600.0, 5423.0, 5334.0, 5282.0, 5626.0, 5617.0, 5429.0, 5471.0, 5394.0, 5409.0, 5720.0, 5552.0, 5602.0, 5275.0, 5556.0, 5354.0, 5466.0, 5607.0, 5460.0, 5674.0, 5364.0, 5662.0, 5518.0, 5668.0, 5721.0, 5468.0, 5540.0, 5707.0 (number of hits: 4) |
| 3 | 5500.0 | 9 | 1.0 | 333 | 1 | 5257.0, 5669.0, 5510.0, 5430.0, 5500.0, 5715.0, 5681.0, 5381.0, 5253.0, 5318.0, 5666.0, 5578.0, 5378.0, 5370.0, 5519.0, 5478.0, 5388.0, 5583.0, 5586.0, 5336.0, 5362.0, 5356.0, 5453.0, 5295.0, 5700.0, 5649.0, 5498.0, 5326.0, 5383.0, 5588.0, 5667.0, 5682.0, 5439.0, 5625.0, 5286.0, 5712.0, 5596.0, 5674.0, 5558.0, 5333.0, 5254.0, 5281.0, 5434.0, 5657.0, 5577.0, 5547.0, 5310.0, 5273.0, 5415.0, 5537.0, 5409.0, 5556.0, 5337.0, 5617.0, 5352.0, 5446.0, 5374.0, 5299.0, 5598.0, 5591.0, 5525.0, 5648.0, 5621.0, 5491.0, 5291.0, 5260.0, 5676.0, 5405.0, 5516.0, 5543.0, 5401.0, 5631.0, 5601.0, 5348.0, 5508.0, 5580.0, 5463.0, 5444.0, 5523.0, 5660.0, 5637.0, 5437.0, 5316.0, 5470.0, 5626.0, 5595.0, 5433.0, 5481.0, 5419.0, 5705.0, 5406.0, 5372.0, 5694.0, 5432.0, 5472.0, 5719.0, 5294.0, 5630.0, 5465.0, 5509.0 (number of hits: 4) |
| 4 | 5500.0 | 9 | 1.0 | 333 | 1 | 5686.0, 5613.0, 5512.0, 5685.0, 5526.0, 5329.0, 5544.0, 5698.0, 5279.0, 5543.0, 5594.0, 5446.0, 5336.0, 5321.0, 5339.0, 5672.0, 5386.0, 5700.0, 5612.0, 5431.0, 5630.0, 5314.0, 5655.0, 5625.0, 5647.0, 5690.0, 5434.0, 5557.0, 5461.0, 5684.0, 5460.0, 5718.0, 5510.0, 5267.0, 5521.0, 5387.0, 5349.0, 5692.0, 5419.0, 5588.0, 5300.0, 5683.0, 5601.0, 5642.0, 5530.0, 5597.0, 5474.0, 5667.0, 5359.0, 5422.0, 5469.0, 5367.0, 5511.0, 5703.0, 5298.0, 5397.0, 5532.0, 5514.0, 5648.0, 5606.0, 5533.0, 5603.0, 5547.0, |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5715.0, 5641.0, 5516.0, 5472.0, 5342.0, 5539.0, 5454.0, 5632.0, 5318.0, 5457.0, 5394.0, 5263.0, 5459.0, 5576.0, 5256.0, 5548.0, 5285.0, 5312.0, 5583.0, 5675.0, 5618.0, 5274.0, 5360.0, 5668.0, 5303.0, 5368.0, 5701.0, 5545.0, 5702.0, 5370.0, 5676.0, 5449.0, 5585.0, 5639.0, 5377.0, 5680.0, 5492.0 (number of hits: 1) |
| 5 | 5500.0 | 9 | 1.0 | 333 | 1 | 5359.0, 5641.0, 5691.0, 5458.0, 5352.0, 5459.0, 5680.0, 5341.0, 5695.0, 5619.0, 5611.0, 5524.0, 5623.0, 5317.0, 5464.0, 5461.0, 5266.0, 5694.0, 5281.0, 5532.0, 5544.0, 5489.0, 5467.0, 5491.0, 5671.0, 5663.0, 5700.0, 5387.0, 5256.0, 5686.0, 5679.0, 5607.0, 5470.0, 5321.0, 5559.0, 5597.0, 5534.0, 5669.0, 5261.0, 5613.0, 5492.0, 5372.0, 5552.0, 5689.0, 5631.0, 5672.0, 5374.0, 5545.0, 5483.0, 5357.0, 5541.0, 5598.0, 5315.0, 5667.0, 5621.0, 5579.0, 5553.0, 5495.0, 5653.0, 5445.0, 5508.0, 5448.0, 5328.0, 5684.0, 5650.0, 5670.0, 5319.0, 5473.0, 5406.0, 5498.0, 5709.0, 5626.0, 5440.0, 5624.0, 5329.0, 5646.0, 5542.0, 5316.0, 5481.0, 5681.0, 5363.0, 5699.0, 5487.0, 5297.0, 5409.0, 5602.0, 5585.0, 5402.0, 5431.0, 5262.0, 5538.0, 5420.0, 5390.0, 5347.0, 5530.0, 5452.0, 5284.0, 5398.0, 5550.0, 5572.0 (number of hits: 5) |
| 6 | 5500.0 | 9 | 1.0 | 333 | 1 | 5489.0, 5269.0, 5487.0, 5553.0, 5265.0, 5533.0, 5682.0, 5511.0, 5531.0, 5573.0, 5722.0, 5721.0, 5525.0, 5416.0, 5686.0, 5354.0, 5510.0, 5567.0, 5536.0, 5434.0, 5423.0, 5613.0, 5647.0, 5324.0, 5477.0, 5440.0, 5497.0, 5360.0, 5395.0, 5524.0, 5540.0, 5545.0, 5296.0, 5274.0, 5380.0, 5400.0, 5575.0, 5635.0, 5679.0, 5661.0, 5271.0, 5312.0, 5551.0, 5607.0, 5345.0, 5565.0, 5350.0, 5438.0, 5562.0, 5632.0, 5314.0, 5486.0, 5455.0, 5287.0, 5556.0, 5466.0, 5377.0, 5259.0, 5594.0, 5662.0, 5710.0, 5408.0, 5382.0, 5584.0, 5506.0, 5396.0, 5488.0, 5453.0, 5689.0, 5428.0, 5554.0, 5491.0, 5369.0, 5695.0, 5496.0, 5723.0, 5409.0, 5598.0, 5419.0, 5252.0, 5582.0, 5505.0, 5450.0, 5652.0, 5490.0, 5357.0, 5634.0, 5370.0, 5330.0, 5458.0, 5714.0, 5319.0, 5461.0, 5518.0, 5581.0, 5625.0, 5482.0, 5388.0, 5520.0, 5570.0 (number of hits: 5) |
| 7 | 5500.0 | 9 | 1.0 | 333 | 1 | 5613.0, 5561.0, 5573.0, 5526.0, 5671.0, 5500.0, 5362.0, 5643.0, 5335.0, 5633.0, 5717.0, 5611.0, 5385.0, 5279.0, 5586.0, 5501.0, 5608.0, 5635.0, 5277.0, 5582.0, 5642.0, 5393.0, 5505.0, 5617.0, 5711.0, 5702.0, 5546.0, 5636.0, 5549.0, 5295.0, 5262.0, 5591.0, 5553.0, 5343.0, 5332.0, 5411.0, 5416.0, 5584.0, 5274.0, 5338.0, 5334.0, 5454.0, 5278.0, 5481.0, 5697.0, 5386.0, 5644.0, 5581.0, 5666.0, 5710.0, 5314.0, 5578.0, 5355.0, 5551.0, 5384.0, 5280.0, 5290.0, 5463.0, 5447.0, 5254.0, 5698.0, 5618.0, 5510.0, 5259.0, 5388.0, 5341.0, 5539.0, 5431.0, 5630.0, 5394.0, 5603.0, 5506.0, 5273.0, 5668.0, 5580.0, 5374.0, 5256.0, 5402.0, 5287.0, 5451.0, 5331.0, 5495.0, 5270.0, 5634.0, 5307.0, 5429.0, 5350.0, 5657.0, 5672.0, 5704.0, 5502.0, 5375.0, 5400.0, 5627.0, 5284.0, 5412.0, 5436.0, 5661.0, 5336.0, 5508.0 (number of hits: 7) |
| 8 | 5500.0 | 9 | 1.0 | 333 | 1 | 5665.0, 5436.0, 5518.0, 5623.0, 5515.0, 5412.0, 5520.0, 5593.0, 5285.0, 5565.0, 5687.0, 5492.0, 5500.0, 5564.0, 5326.0, 5391.0, 5526.0, 5477.0, 5335.0, 5345.0, 5568.0, 5472.0, 5582.0, 5337.0, 5336.0, 5365.0, 5510.0, 5362.0, 5537.0, 5704.0, 5693.0, 5667.0, 5585.0, 5479.0, 5531.0, 5713.0, 5524.0, 5507.0, 5475.0, 5576.0, 5605.0, 5720.0, 5511.0, 5304.0, 5266.0, 5274.0, 5273.0, 5330.0, 5671.0, 5331.0, 5516.0, 5599.0, 5470.0, 5314.0, 5269.0, 5280.0, 5490.0, 5346.0, 5466.0, 5429.0, 5277.0, 5527.0, 5418.0, 5533.0, 5607.0, 5367.0, 5478.0, 5493.0, 5439.0, 5639.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5386.0, 5715.0, 5446.0, 5381.0, 5672.0, 5342.0, 5404.0, 5714.0, 5289.0, 5505.0, 5443.0, 5570.0, 5706.0, 5389.0, 5449.0, 5349.0, 5666.0, 5615.0, 5522.0, 5333.0, 5719.0, 5566.0, 5532.0, 5554.0, 5557.0, 5541.0, 5270.0, 5344.0, 5703.0, 5355.0 (number of hits: 5) |
| 9 | 5500.0 | 9 | 1.0 | 333 | 1 | 5622.0, 5324.0, 5417.0, 5445.0, 5612.0, 5263.0, 5321.0, 5371.0, 5706.0, 5659.0, 5402.0, 5690.0, 5596.0, 5438.0, 5686.0, 5667.0, 5470.0, 5705.0, 5258.0, 5411.0, 5651.0, 5364.0, 5605.0, 5319.0, 5367.0, 5476.0, 5654.0, 5460.0, 5284.0, 5538.0, 5310.0, 5573.0, 5256.0, 5282.0, 5329.0, 5339.0, 5697.0, 5558.0, 5616.0, 5359.0, 5699.0, 5623.0, 5513.0, 5574.0, 5253.0, 5439.0, 5606.0, 5601.0, 5637.0, 5553.0, 5547.0, 5517.0, 5462.0, 5541.0, 5410.0, 5608.0, 5528.0, 5314.0, 5307.0, 5412.0, 5322.0, 5251.0, 5327.0, 5663.0, 5384.0, 5276.0, 5254.0, 5698.0, 5679.0, 5682.0, 5488.0, 5348.0, 5334.0, 5274.0, 5544.0, 5446.0, 5266.0, 5683.0, 5409.0, 5337.0, 5587.0, 5537.0, 5546.0, 5267.0, 5535.0, 5493.0, 5520.0, 5370.0, 5618.0, 5631.0, 5721.0, 5461.0, 5710.0, 5374.0, 5392.0, 5308.0, 5586.0, 5548.0, 5427.0, 5309.0 (number of hits: 1) |
| 10 | 5500.0 | 9 | 1.0 | 333 | 1 | 5576.0, 5570.0, 5253.0, 5585.0, 5613.0, 5438.0, 5634.0, 5641.0, 5427.0, 5550.0, 5494.0, 5612.0, 5419.0, 5426.0, 5541.0, 5336.0, 5535.0, 5442.0, 5679.0, 5507.0, 5430.0, 5518.0, 5538.0, 5493.0, 5557.0, 5394.0, 5372.0, 5590.0, 5300.0, 5548.0, 5325.0, 5676.0, 5545.0, 5512.0, 5341.0, 5558.0, 5695.0, 5717.0, 5381.0, 5588.0, 5539.0, 5366.0, 5400.0, 5500.0, 5649.0, 5380.0, 5262.0, 5328.0, 5403.0, 5478.0, 5449.0, 5632.0, 5671.0, 5305.0, 5627.0, 5392.0, 5388.0, 5289.0, 5486.0, 5596.0, 5574.0, 5490.0, 5575.0, 5292.0, 5669.0, 5533.0, 5405.0, 5625.0, 5605.0, 5555.0, 5685.0, 5658.0, 5505.0, 5622.0, 5333.0, 5406.0, 5276.0, 5479.0, 5620.0, 5706.0, 5320.0, 5473.0, 5263.0, 5256.0, 5600.0, 5668.0, 5678.0, 5531.0, 5265.0, 5457.0, 5552.0, 5364.0, 5456.0, 5472.0, 5504.0, 5350.0, 5724.0, 5708.0, 5355.0, 5594.0 (number of hits: 6) |
| 11 | 5500.0 | 9 | 1.0 | 333 | 1 | 5357.0, 5590.0, 5314.0, 5368.0, 5519.0, 5613.0, 5724.0, 5265.0, 5620.0, 5640.0, 5579.0, 5436.0, 5482.0, 5638.0, 5378.0, 5720.0, 5322.0, 5675.0, 5339.0, 5647.0, 5560.0, 5283.0, 5303.0, 5514.0, 5261.0, 5302.0, 5364.0, 5599.0, 5419.0, 5307.0, 5313.0, 5306.0, 5625.0, 5713.0, 5417.0, 5292.0, 5512.0, 5441.0, 5521.0, 5465.0, 5461.0, 5691.0, 5319.0, 5312.0, 5710.0, 5572.0, 5619.0, 5480.0, 5495.0, 5505.0, 5676.0, 5474.0, 5701.0, 5525.0, 5550.0, 5250.0, 5722.0, 5427.0, 5553.0, 5577.0, 5387.0, 5266.0, 5347.0, 5372.0, 5629.0, 5437.0, 5520.0, 5342.0, 5696.0, 5476.0, 5466.0, 5530.0, 5308.0, 5529.0, 5263.0, 5458.0, 5440.0, 5497.0, 5301.0, 5367.0, 5551.0, 5473.0, 5598.0, 5502.0, 5422.0, 5280.0, 5479.0, 5356.0, 5382.0, 5698.0, 5526.0, 5646.0, 5681.0, 5719.0, 5546.0, 5254.0, 5714.0, 5703.0, 5557.0, 5291.0 (number of hits: 4) |
| 12 | 5500.0 | 9 | 1.0 | 333 | 0 | |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| 13 | 5500.0 | 9 | 1.0 | 333 | 1 | 5496.0, 5291.0, 5645.0, 5550.0, 5652.0, 5316.0, 5437.0, 5587.0, 5571.0, 5320.0, 5621.0, 5689.0, 5487.0, 5651.0, 5372.0, 5273.0, 5623.0, 5401.0, 5301.0, 5302.0, 5698.0, 5387.0, 5711.0, 5647.0, 5448.0, 5335.0, 5521.0, 5583.0, 5530.0, 5344.0, 5674.0, 5319.0, 5663.0, 5416.0, 5641.0, 5325.0, 5627.0, 5528.0, 5386.0, 5357.0, 5439.0, 5253.0, 5670.0, 5359.0, 5635.0, 5586.0, 5431.0, 5631.0, 5604.0, 5683.0, 5540.0, 5304.0, 5563.0, 5593.0, 5691.0, 5688.0, 5351.0, 5411.0, 5662.0, 5478.0, 5584.0, 5657.0, 5608.0, 5490.0, 5618.0, 5462.0, 5594.0, 5607.0, 5366.0, 5678.0, 5572.0, 5435.0, 5671.0, 5444.0, 5599.0, 5353.0, 5483.0, 5508.0, 5488.0, 5549.0, 5592.0, 5371.0, 5373.0, 5646.0, 5520.0, 5278.0, 5421.0, 5388.0, 5512.0, 5511.0, 5588.0, 5578.0, 5361.0, 5327.0, 5423.0, 5717.0, 5517.0, 5346.0, 5324.0, 5276.0 (number of hits: 2) |
| 14 | 5500.0 | 9 | 1.0 | 333 | 1 | 5581.0, 5548.0, 5345.0, 5622.0, 5420.0, 5484.0, 5709.0, 5516.0, 5551.0, 5266.0, 5667.0, 5297.0, 5526.0, 5269.0, 5708.0, 5513.0, 5464.0, 5315.0, 5254.0, 5356.0, 5509.0, 5423.0, 5529.0, 5711.0, 5592.0, 5634.0, 5646.0, 5528.0, 5561.0, 5261.0, 5323.0, 5371.0, 5571.0, 5328.0, 5451.0, 5522.0, 5536.0, 5256.0, 5288.0, 5257.0, 5401.0, 5518.0, 5542.0, 5374.0, 5400.0, 5305.0, 5348.0, 5350.0, 5365.0, 5293.0, 5278.0, 5651.0, 5538.0, 5689.0, 5564.0, 5336.0, 5608.0, 5712.0, 5361.0, 5286.0, 5260.0, 5597.0, 5422.0, 5373.0, 5478.0, 5669.0, 5448.0, 5702.0, 5340.0, 5304.0, 5481.0, 5687.0, 5611.0, 5510.0, 5310.0, 5583.0, 5636.0, 5403.0, 5507.0, 5584.0, 5552.0, 5648.0, 5638.0, 5582.0, 5555.0, 5493.0, 5675.0, 5557.0, 5378.0, 5722.0, 5585.0, 5322.0, 5627.0, 5663.0, 5274.0, 5549.0, 5650.0, 5317.0, 5472.0, 5468.0 (number of hits: 2) |
| 15 | 5500.0 | 9 | 1.0 | 333 | 1 | 5474.0, 5276.0, 5369.0, 5349.0, 5368.0, 5269.0, 5716.0, 5564.0, 5574.0, 5494.0, 5510.0, 5598.0, 5593.0, 5336.0, 5524.0, 5485.0, 5698.0, 5677.0, 5409.0, 5535.0, 5714.0, 5472.0, 5556.0, 5417.0, 5254.0, 5398.0, 5608.0, 5599.0, 5508.0, 5648.0, 5565.0, 5263.0, 5516.0, 5444.0, 5391.0, 5471.0, 5712.0, 5582.0, 5459.0, 5285.0, 5541.0, 5403.0, 5331.0, 5663.0, 5422.0, 5436.0, 5330.0, 5334.0, 5446.0, 5258.0, 5266.0, 5686.0, 5586.0, 5366.0, 5522.0, 5559.0, 5506.0, 5576.0, 5380.0, 5603.0, 5589.0, 5388.0, 5685.0, 5345.0, 5358.0, 5708.0, 5615.0, 5548.0, 5442.0, 5646.0, 5577.0, 5372.0, 5478.0, 5480.0, 5338.0, 5280.0, 5546.0, 5529.0, 5504.0, 5631.0, 5282.0, 5364.0, 5526.0, 5384.0, 5519.0, 5309.0, 5597.0, 5722.0, 5344.0, 5392.0, 5427.0, 5539.0, 5682.0, 5329.0, 5635.0, 5340.0, 5536.0, 5413.0, 5421.0, 5319.0 (number of hits: 4) |
| 16 | 5500.0 | 9 | 1.0 | 333 | 1 | 5653.0, 5548.0, 5570.0, 5634.0, 5543.0, 5319.0, 5676.0, 5454.0, 5690.0, 5314.0, 5545.0, 5677.0, 5416.0, 5711.0, 5497.0, 5610.0, 5496.0, 5438.0, 5324.0, 5649.0, 5254.0, 5355.0, 5612.0, 5274.0, 5281.0, 5620.0, 5437.0, 5687.0, 5589.0, 5415.0, 5259.0, 5529.0, 5641.0, 5691.0, 5717.0, 5621.0, 5270.0, 5278.0, 5577.0, 5407.0, 5341.0, 5638.0, 5562.0, 5516.0, 5293.0, 5668.0, 5356.0, 5255.0, 5526.0, 5515.0, 5605.0, 5453.0, 5313.0, 5401.0, 5321.0, 5490.0, 5424.0, 5336.0, 5643.0, 5406.0, 5595.0, 5252.0, 5604.0, 5307.0, 5308.0, 5463.0, 5386.0, 5450.0, 5549.0, 5629.0, 5467.0, 5342.0, 5483.0, 5574.0, 5714.0, 5712.0, 5339.0, 5390.0, 5458.0, 5330.0, 5661.0, 5384.0, 5435.0, 5571.0, 5280.0, 5352.0, 5707.0, 5579.0, 5361.0, 5553.0, 5702.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5584.0, 5654.0, 5273.0, 5353.0, 5507.0, 5616.0, 5328.0, 5511.0, 5556.0 (number of hits: 3) |
| 17 | 5500.0 | 9 | 1.0 | 333 | 1 | 5579.0, 5266.0, 5356.0, 5567.0, 5598.0, 5676.0, 5662.0, 5590.0, 5311.0, 5497.0, 5326.0, 5713.0, 5459.0, 5264.0, 5611.0, 5474.0, 5653.0, 5253.0, 5317.0, 5599.0, 5282.0, 5652.0, 5595.0, 5257.0, 5649.0, 5445.0, 5412.0, 5701.0, 5651.0, 5295.0, 5422.0, 5455.0, 5644.0, 5288.0, 5648.0, 5617.0, 5256.0, 5358.0, 5707.0, 5381.0, 5525.0, 5390.0, 5564.0, 5292.0, 5684.0, 5524.0, 5271.0, 5637.0, 5685.0, 5670.0, 5478.0, 5565.0, 5338.0, 5404.0, 5438.0, 5385.0, 5577.0, 5587.0, 5376.0, 5666.0, 5700.0, 5533.0, 5411.0, 5380.0, 5312.0, 5366.0, 5502.0, 5643.0, 5560.0, 5492.0, 5484.0, 5342.0, 5548.0, 5300.0, 5614.0, 5368.0, 5618.0, 5424.0, 5465.0, 5378.0, 5401.0, 5432.0, 5628.0, 5667.0, 5273.0, 5669.0, 5327.0, 5513.0, 5536.0, 5429.0, 5447.0, 5489.0, 5355.0, 5307.0, 5408.0, 5703.0, 5479.0, 5393.0, 5294.0, 5677.0 (number of hits: 3) |
| 18 | 5500.0 | 9 | 1.0 | 333 | 1 | 5602.0, 5492.0, 5320.0, 5447.0, 5413.0, 5548.0, 5294.0, 5704.0, 5369.0, 5609.0, 5347.0, 5285.0, 5374.0, 5589.0, 5332.0, 5256.0, 5466.0, 5712.0, 5333.0, 5351.0, 5677.0, 5316.0, 5334.0, 5569.0, 5556.0, 5430.0, 5718.0, 5297.0, 5395.0, 5634.0, 5493.0, 5266.0, 5702.0, 5386.0, 5280.0, 5612.0, 5261.0, 5464.0, 5496.0, 5639.0, 5418.0, 5446.0, 5660.0, 5617.0, 5376.0, 5610.0, 5270.0, 5498.0, 5302.0, 5471.0, 5623.0, 5306.0, 5252.0, 5452.0, 5441.0, 5257.0, 5433.0, 5650.0, 5582.0, 5603.0, 5519.0, 5703.0, 5449.0, 5605.0, 5384.0, 5335.0, 5352.0, 5264.0, 5648.0, 5364.0, 5405.0, 5303.0, 5474.0, 5357.0, 5455.0, 5679.0, 5409.0, 5358.0, 5509.0, 5296.0, 5550.0, 5485.0, 5489.0, 5635.0, 5284.0, 5619.0, 5437.0, 5502.0, 5621.0, 5460.0, 5315.0, 5542.0, 5378.0, 5293.0, 5341.0, 5343.0, 5710.0, 5691.0, 5439.0, 5530.0 (number of hits: 5) |
| 19 | 5500.0 | 9 | 1.0 | 333 | 1 | 5328.0, 5466.0, 5456.0, 5683.0, 5382.0, 5371.0, 5580.0, 5386.0, 5541.0, 5464.0, 5483.0, 5431.0, 5522.0, 5437.0, 5496.0, 5374.0, 5636.0, 5458.0, 5321.0, 5693.0, 5655.0, 5399.0, 5303.0, 5552.0, 5348.0, 5554.0, 5296.0, 5597.0, 5312.0, 5689.0, 5533.0, 5537.0, 5453.0, 5429.0, 5411.0, 5274.0, 5670.0, 5305.0, 5534.0, 5562.0, 5661.0, 5463.0, 5293.0, 5474.0, 5403.0, 5412.0, 5292.0, 5710.0, 5251.0, 5503.0, 5702.0, 5294.0, 5322.0, 5724.0, 5486.0, 5648.0, 5478.0, 5626.0, 5663.0, 5591.0, 5565.0, 5398.0, 5297.0, 5525.0, 5476.0, 5550.0, 5256.0, 5646.0, 5551.0, 5434.0, 5282.0, 5250.0, 5703.0, 5404.0, 5701.0, 5475.0, 5266.0, 5353.0, 5637.0, 5276.0, 5479.0, 5594.0, 5570.0, 5602.0, 5579.0, 5649.0, 5631.0, 5526.0, 5521.0, 5635.0, 5505.0, 5668.0, 5609.0, 5659.0, 5539.0, 5424.0, 5333.0, 5390.0, 5275.0, 5480.0 (number of hits: 3) |
| 20 | 5500.0 | 9 | 1.0 | 333 | 1 | 5531.0, 5389.0, 5480.0, 5342.0, 5638.0, 5432.0, 5549.0, 5290.0, 5633.0, 5501.0, 5361.0, 5408.0, 5545.0, 5407.0, 5515.0, 5711.0, 5416.0, 5455.0, 5448.0, 5481.0, 5520.0, 5631.0, 5490.0, 5626.0, 5525.0, 5697.0, 5610.0, 5528.0, 5596.0, 5569.0, 5510.0, 5403.0, 5541.0, 5547.0, 5322.0, 5474.0, 5255.0, 5723.0, 5508.0, 5611.0, 5379.0, 5665.0, 5278.0, 5537.0, 5304.0, 5666.0, 5396.0, 5418.0, 5331.0, 5658.0, 5373.0, 5266.0, 5718.0, 5527.0, 5297.0, 5599.0, 5488.0, 5353.0, 5532.0, 5720.0, 5556.0, 5623.0, 5410.0, 5707.0, 5397.0, 5579.0, 5693.0, 5319.0, 5709.0, 5365.0, 5694.0, 5338.0, 5674.0, 5655.0, 5287.0, 5491.0, 5309.0, 5259.0, 5482.0, 5478.0, 5264.0, 5574.0, 5317.0, 5334.0, 5288.0, 5568.0, 5606.0, 5461.0, 5314.0, 5546.0, 5642.0, 5533.0, 5686.0, 5517.0, 5452.0, 5636.0, 5296.0, 5714.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5544.0, 5691.0 (number of hits: 3) |
| 21 | 5500.0 | 9 | 1.0 | 333 | 1 | 5466.0, 5326.0, 5663.0, 5624.0, 5586.0, 5653.0, 5545.0, 5680.0, 5669.0, 5538.0, 5616.0, 5388.0, 5527.0, 5289.0, 5650.0, 5617.0, 5261.0, 5630.0, 5426.0, 5279.0, 5453.0, 5570.0, 5693.0, 5689.0, 5336.0, 5295.0, 5543.0, 5482.0, 5258.0, 5422.0, 5674.0, 5621.0, 5378.0, 5458.0, 5599.0, 5550.0, 5460.0, 5461.0, 5610.0, 5643.0, 5304.0, 5686.0, 5314.0, 5511.0, 5506.0, 5354.0, 5392.0, 5274.0, 5486.0, 5687.0, 5637.0, 5395.0, 5291.0, 5553.0, 5684.0, 5682.0, 5407.0, 5702.0, 5496.0, 5715.0, 5446.0, 5678.0, 5670.0, 5350.0, 5330.0, 5720.0, 5363.0, 5589.0, 5419.0, 5302.0, 5463.0, 5450.0, 5522.0, 5691.0, 5560.0, 5313.0, 5428.0, 5308.0, 5331.0, 5580.0, 5677.0, 5503.0, 5360.0, 5294.0, 5646.0, 5355.0, 5264.0, 5579.0, 5605.0, 5414.0, 5338.0, 5555.0, 5311.0, 5659.0, 5437.0, 5277.0, 5384.0, 5484.0, 5683.0, 5499.0 (number of hits: 4) |
| 22 | 5500.0 | 9 | 1.0 | 333 | 1 | 5488.0, 5372.0, 5677.0, 5283.0, 5438.0, 5631.0, 5723.0, 5435.0, 5644.0, 5485.0, 5697.0, 5643.0, 5358.0, 5568.0, 5387.0, 5388.0, 5480.0, 5468.0, 5591.0, 5432.0, 5399.0, 5279.0, 5486.0, 5616.0, 5284.0, 5263.0, 5492.0, 5671.0, 5285.0, 5681.0, 5421.0, 5580.0, 5331.0, 5429.0, 5558.0, 5289.0, 5416.0, 5638.0, 5504.0, 5709.0, 5662.0, 5319.0, 5687.0, 5376.0, 5505.0, 5507.0, 5301.0, 5721.0, 5510.0, 5547.0, 5473.0, 5600.0, 5623.0, 5378.0, 5604.0, 5266.0, 5663.0, 5595.0, 5702.0, 5436.0, 5713.0, 5592.0, 5484.0, 5552.0, 5695.0, 5622.0, 5386.0, 5439.0, 5546.0, 5290.0, 5409.0, 5601.0, 5715.0, 5654.0, 5437.0, 5278.0, 5443.0, 5684.0, 5277.0, 5579.0, 5673.0, 5613.0, 5642.0, 5444.0, 5699.0, 5460.0, 5337.0, 5479.0, 5410.0, 5585.0, 5475.0, 5441.0, 5626.0, 5391.0, 5720.0, 5506.0, 5603.0, 5653.0, 5621.0, 5608.0 (number of hits: 5) |
| 23 | 5500.0 | 9 | 1.0 | 333 | 1 | 5278.0, 5418.0, 5371.0, 5704.0, 5415.0, 5600.0, 5634.0, 5651.0, 5618.0, 5491.0, 5266.0, 5614.0, 5294.0, 5684.0, 5396.0, 5564.0, 5641.0, 5500.0, 5669.0, 5288.0, 5253.0, 5312.0, 5559.0, 5674.0, 5468.0, 5297.0, 5653.0, 5417.0, 5652.0, 5604.0, 5404.0, 5611.0, 5265.0, 5627.0, 5280.0, 5298.0, 5724.0, 5485.0, 5712.0, 5444.0, 5587.0, 5322.0, 5501.0, 5596.0, 5697.0, 5624.0, 5629.0, 5570.0, 5333.0, 5426.0, 5451.0, 5399.0, 5551.0, 5649.0, 5680.0, 5296.0, 5291.0, 5366.0, 5636.0, 5345.0, 5339.0, 5304.0, 5532.0, 5646.0, 5543.0, 5408.0, 5691.0, 5695.0, 5277.0, 5394.0, 5545.0, 5575.0, 5374.0, 5286.0, 5380.0, 5483.0, 5593.0, 5437.0, 5710.0, 5637.0, 5667.0, 5413.0, 5562.0, 5310.0, 5552.0, 5591.0, 5369.0, 5631.0, 5576.0, 5454.0, 5698.0, 5539.0, 5456.0, 5654.0, 5449.0, 5703.0, 5683.0, 5572.0, 5685.0, 5459.0 (number of hits: 3) |
| 24 | 5500.0 | 9 | 1.0 | 333 | 1 | 5441.0, 5312.0, 5502.0, 5358.0, 5497.0, 5390.0, 5291.0, 5410.0, 5388.0, 5671.0, 5607.0, 5261.0, 5637.0, 5276.0, 5339.0, 5274.0, 5702.0, 5354.0, 5483.0, 5361.0, 5466.0, 5382.0, 5289.0, 5327.0, 5469.0, 5711.0, 5631.0, 5498.0, 5336.0, 5318.0, 5377.0, 5337.0, 5470.0, 5515.0, 5567.0, 5550.0, 5544.0, 5640.0, 5334.0, 5595.0, 5719.0, 5448.0, 5468.0, 5647.0, 5548.0, 5621.0, 5547.0, 5614.0, 5452.0, 5343.0, 5556.0, 5579.0, 5663.0, 5683.0, 5463.0, 5541.0, 5672.0, 5316.0, 5700.0, 5409.0, 5383.0, 5303.0, 5449.0, 5529.0, 5504.0, 5370.0, 5253.0, 5475.0, 5264.0, 5348.0, 5698.0, 5335.0, 5517.0, 5674.0, 5415.0, 5387.0, 5534.0, 5537.0, 5555.0, 5720.0, 5496.0, 5299.0, 5461.0, 5266.0, 5660.0, 5625.0, 5279.0, 5514.0, 5362.0, 5416.0, 5371.0, 5643.0, 5632.0, 5414.0, 5396.0, 5360.0, 5582.0, 5724.0, 5451.0, 5656.0 (number of hits: 5) |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| 25 | 5500.0 | 9 | 1.0 | 333 | 1 | 5354.0, 5282.0, 5502.0, 5326.0, 5465.0, 5267.0, 5620.0, 5334.0, 5560.0, 5317.0, 5686.0, 5625.0, 5350.0, 5714.0, 5700.0, 5469.0, 5551.0, 5672.0, 5343.0, 5667.0, 5256.0, 5298.0, 5342.0, 5650.0, 5567.0, 5542.0, 5332.0, 5628.0, 5591.0, 5374.0, 5603.0, 5333.0, 5558.0, 5513.0, 5368.0, 5713.0, 5312.0, 5697.0, 5536.0, 5266.0, 5476.0, 5565.0, 5475.0, 5606.0, 5657.0, 5576.0, 5712.0, 5441.0, 5609.0, 5404.0, 5356.0, 5472.0, 5501.0, 5452.0, 5627.0, 5324.0, 5685.0, 5438.0, 5491.0, 5388.0, 5546.0, 5410.0, 5517.0, 5489.0, 5599.0, 5431.0, 5464.0, 5656.0, 5336.0, 5429.0, 5305.0, 5337.0, 5391.0, 5577.0, 5376.0, 5286.0, 5633.0, 5678.0, 5525.0, 5313.0, 5432.0, 5398.0, 5519.0, 5499.0, 5654.0, 5379.0, 5439.0, 5386.0, 5710.0, 5275.0, 5588.0, 5381.0, 5581.0, 5524.0, 5480.0, 5533.0, 5493.0, 5539.0, 5447.0, 5361.0 (number of hits: 5) |
| 26 | 5500.0 | 9 | 1.0 | 333 | 1 | 5580.0, 5620.0, 5695.0, 5711.0, 5720.0, 5650.0, 5533.0, 5334.0, 5419.0, 5704.0, 5473.0, 5296.0, 5593.0, 5415.0, 5536.0, 5715.0, 5450.0, 5674.0, 5712.0, 5668.0, 5476.0, 5723.0, 5346.0, 5442.0, 5494.0, 5313.0, 5667.0, 5586.0, 5274.0, 5641.0, 5617.0, 5263.0, 5601.0, 5434.0, 5646.0, 5529.0, 5421.0, 5615.0, 5626.0, 5647.0, 5531.0, 5280.0, 5504.0, 5696.0, 5463.0, 5355.0, 5642.0, 5548.0, 5590.0, 5275.0, 5483.0, 5341.0, 5664.0, 5652.0, 5485.0, 5555.0, 5666.0, 5271.0, 5669.0, 5395.0, 5673.0, 5452.0, 5510.0, 5629.0, 5459.0, 5389.0, 5369.0, 5493.0, 5497.0, 5520.0, 5401.0, 5690.0, 5468.0, 5491.0, 5335.0, 5591.0, 5307.0, 5388.0, 5530.0, 5576.0, 5507.0, 5435.0, 5628.0, 5498.0, 5581.0, 5479.0, 5428.0, 5635.0, 5359.0, 5420.0, 5322.0, 5397.0, 5525.0, 5427.0, 5717.0, 5486.0, 5550.0, 5423.0, 5662.0, 5708.0 (number of hits: 7) |
| 27 | 5500.0 | 9 | 1.0 | 333 | 1 | 5440.0, 5363.0, 5516.0, 5402.0, 5645.0, 5445.0, 5630.0, 5495.0, 5594.0, 5626.0, 5367.0, 5505.0, 5715.0, 5470.0, 5675.0, 5677.0, 5397.0, 5463.0, 5590.0, 5462.0, 5377.0, 5342.0, 5410.0, 5304.0, 5430.0, 5459.0, 5391.0, 5268.0, 5498.0, 5616.0, 5472.0, 5523.0, 5503.0, 5539.0, 5317.0, 5532.0, 5584.0, 5634.0, 5465.0, 5279.0, 5707.0, 5272.0, 5256.0, 5497.0, 5511.0, 5706.0, 5609.0, 5665.0, 5401.0, 5644.0, 5678.0, 5451.0, 5366.0, 5278.0, 5345.0, 5293.0, 5658.0, 5716.0, 5534.0, 5348.0, 5263.0, 5435.0, 5507.0, 5583.0, 5443.0, 5587.0, 5521.0, 5332.0, 5335.0, 5423.0, 5637.0, 5453.0, 5573.0, 5322.0, 5687.0, 5257.0, 5585.0, 5540.0, 5319.0, 5447.0, 5520.0, 5254.0, 5650.0, 5437.0, 5565.0, 5631.0, 5571.0, 5628.0, 5399.0, 5499.0, 5619.0, 5448.0, 5528.0, 5595.0, 5674.0, 5374.0, 5456.0, 5622.0, 5562.0, 5686.0 (number of hits: 7) |
| 28 | 5500.0 | 9 | 1.0 | 333 | 1 | 5605.0, 5336.0, 5509.0, 5327.0, 5363.0, 5472.0, 5322.0, 5348.0, 5420.0, 5515.0, 5367.0, 5492.0, 5287.0, 5291.0, 5546.0, 5647.0, 5253.0, 5621.0, 5266.0, 5665.0, 5576.0, 5282.0, 5645.0, 5575.0, 5722.0, 5711.0, 5588.0, 5325.0, 5698.0, 5391.0, 5371.0, 5649.0, 5417.0, 5265.0, 5555.0, 5490.0, 5672.0, 5432.0, 5405.0, 5498.0, 5333.0, 5650.0, 5611.0, 5305.0, 5568.0, 5435.0, 5632.0, 5361.0, 5464.0, 5355.0, 5504.0, 5713.0, 5362.0, 5445.0, 5260.0, 5467.0, 5534.0, 5690.0, 5694.0, 5482.0, 5569.0, 5251.0, 5456.0, 5256.0, 5549.0, 5474.0, 5701.0, 5293.0, 5687.0, 5312.0, 5262.0, 5517.0, 5473.0, 5328.0, 5481.0, 5661.0, 5425.0, 5478.0, 5634.0, 5535.0, 5512.0, 5631.0, 5708.0, 5502.0, 5676.0, 5646.0, 5677.0, 5601.0, 5317.0, 5453.0, 5344.0, 5447.0, 5654.0, 5477.0, 5409.0, 5706.0, 5377.0, 5542.0, 5259.0, 5304.0 (number of hits: 4) |
| 29 | 5500.0 | 9 | 1.0 | 333 | 1 | 5617.0, 5602.0, 5603.0, 5656.0, 5497.0, 5368.0, 5302.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5557.0, 5493.0, 5347.0, 5482.0, 5280.0, 5692.0, 5475.0, 5521.0, 5606.0, 5314.0, 5444.0, 5591.0, 5598.0, 5438.0, 5267.0, 5642.0, 5549.0, 5513.0, 5416.0, 5367.0, 5489.0, 5629.0, 5510.0, 5454.0, 5527.0, 5283.0, 5470.0, 5685.0, 5348.0, 5547.0, 5695.0, 5706.0, 5335.0, 5597.0, 5468.0, 5452.0, 5519.0, 5492.0, 5350.0, 5623.0, 5563.0, 5634.0, 5671.0, 5346.0, 5469.0, 5635.0, 5578.0, 5370.0, 5650.0, 5619.0, 5345.0, 5681.0, 5621.0, 5465.0, 5566.0, 5329.0, 5590.0, 5661.0, 5417.0, 5718.0, 5618.0, 5463.0, 5512.0, 5570.0, 5298.0, 5716.0, 5467.0, 5456.0, 5411.0, 5707.0, 5441.0, 5708.0, 5715.0, 5336.0, 5323.0, 5500.0, 5387.0, 5487.0, 5250.0, 5613.0, 5631.0, 5667.0, 5516.0, 5447.0, 5275.0, 5544.0, 5614.0, 5253.0, 5474.0, 5532.0, 5272.0, 5382.0, 5263.0 (number of hits: 4) |
| 30 | 5500.0 | 9 | 1.0 | 333 | 1 | 5429.0, 5472.0, 5717.0, 5673.0, 5277.0, 5304.0, 5565.0, 5278.0, 5305.0, 5397.0, 5529.0, 5708.0, 5386.0, 5711.0, 5596.0, 5522.0, 5459.0, 5426.0, 5270.0, 5542.0, 5566.0, 5398.0, 5539.0, 5377.0, 5464.0, 5493.0, 5618.0, 5463.0, 5540.0, 5329.0, 5668.0, 5371.0, 5600.0, 5338.0, 5294.0, 5276.0, 5688.0, 5521.0, 5628.0, 5342.0, 5498.0, 5422.0, 5359.0, 5536.0, 5581.0, 5262.0, 5320.0, 5384.0, 5553.0, 5417.0, 5316.0, 5689.0, 5416.0, 5321.0, 5679.0, 5654.0, 5291.0, 5544.0, 5486.0, 5678.0, 5576.0, 5326.0, 5579.0, 5641.0, 5558.0, 5355.0, 5577.0, 5547.0, 5364.0, 5345.0, 5363.0, 5311.0, 5438.0, 5552.0, 5412.0, 5474.0, 5604.0, 5458.0, 5352.0, 5453.0, 5674.0, 5714.0, 5575.0, 5273.0, 5530.0, 5361.0, 5410.0, 5419.0, 5667.0, 5640.0, 5335.0, 5518.0, 5457.0, 5639.0, 5503.0, 5450.0, 5593.0, 5255.0, 5681.0, 5624.0 (number of hits: 3) |

**AP Mode
Pine Radio****5510 MHz, 40 MHz Bandwidth**

| Radar Signal Type | Waveform/Trial Number | Detection (%) | Limit (%) | Pass/Fail |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| Type 1A/1B | 30 | 96.7 % | 60% | Pass |
| Type 2 | 30 | 83.3 % | 60% | Pass |
| Type 3 | 30 | 86.7 % | 60% | Pass |
| Type 4 | 30 | 76.7 % | 60% | Pass |
| Aggregate (Type1 to 4) | 120 | 85.8 % | 80% | Pass |
| Type 5 | 30 | 100 % | 80% | Pass |
| Type 6 | 30 | 100 % | 70% | Pass |

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 72 | 1.0 | 738 | 1 |
| 2 | 76 | 1.0 | 698 | 1 |
| 3 | 59 | 1.0 | 898 | 1 |
| 4 | 92 | 1.0 | 578 | 1 |
| 5 | 57 | 1.0 | 938 | 1 |
| 6 | 81 | 1.0 | 658 | 1 |
| 7 | 62 | 1.0 | 858 | 1 |
| 8 | 78 | 1.0 | 678 | 1 |
| 9 | 89 | 1.0 | 598 | 1 |
| 10 | 67 | 1.0 | 798 | 1 |
| 11 | 86 | 1.0 | 618 | 1 |
| 12 | 74 | 1.0 | 718 | 0 |
| 13 | 83 | 1.0 | 638 | 1 |
| 14 | 65 | 1.0 | 818 | 1 |
| 15 | 67 | 1.0 | 518 | 1 |
| 16 | 31 | 1.0 | 1743 | 1 |
| 17 | 33 | 1.0 | 1649 | 1 |
| 18 | 62 | 1.0 | 864 | 1 |
| 19 | 21 | 1.0 | 2605 | 1 |
| 20 | 27 | 1.0 | 2008 | 1 |
| 21 | 102 | 1.0 | 519 | 1 |
| 22 | 37 | 1.0 | 1446 | 1 |
| 23 | 25 | 1.0 | 2170 | 1 |
| 24 | 27 | 1.0 | 1984 | 1 |
| 25 | 62 | 1.0 | 862 | 1 |
| 26 | 22 | 1.0 | 2456 | 1 |
| 27 | 33 | 1.0 | 1625 | 1 |
| 28 | 100 | 1.0 | 533 | 1 |
| 29 | 37 | 1.0 | 1427 | 1 |
| 30 | 60 | 1.0 | 890 | 1 |
| Detection Percentage: 96.7 % (>60%) | | | | |

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|-------------------------|-----------------|--------------------------------|
| 1 | 29 | 1.5 | 196 | 1 |
| 2 | 23 | 1.1 | 163 | 1 |
| 3 | 28 | 4.8 | 198 | 1 |
| 4 | 24 | 1.1 | 189 | 1 |
| 5 | 28 | 3.2 | 205 | 1 |
| 6 | 23 | 2.3 | 200 | 1 |
| 7 | 24 | 5.0 | 193 | 1 |
| 8 | 24 | 3.6 | 229 | 1 |
| 9 | 29 | 3.3 | 160 | 1 |
| 10 | 29 | 1.7 | 197 | 0 |
| 11 | 27 | 3.5 | 227 | 1 |
| 12 | 28 | 4.1 | 169 | 1 |
| 13 | 26 | 3.9 | 178 | 1 |
| 14 | 26 | 4.5 | 178 | 1 |
| 15 | 25 | 4.2 | 199 | 0 |
| 16 | 26 | 1.1 | 152 | 1 |
| 17 | 24 | 3.1 | 220 | 1 |
| 18 | 23 | 4.2 | 160 | 1 |
| 19 | 28 | 3.8 | 201 | 1 |
| 20 | 23 | 1.6 | 229 | 1 |
| 21 | 27 | 2.9 | 196 | 0 |
| 22 | 29 | 1.9 | 187 | 1 |
| 23 | 26 | 2.3 | 221 | 1 |
| 24 | 23 | 4.9 | 173 | 0 |
| 25 | 24 | 4.8 | 209 | 1 |
| 26 | 24 | 2.4 | 177 | 1 |
| 27 | 26 | 2.5 | 200 | 1 |
| 28 | 25 | 1.5 | 155 | 0 |
| 29 | 23 | 2.2 | 162 | 1 |
| 30 | 24 | 3.1 | 204 | 1 |
| Detection Percentage: 83.3 % (>60%) | | | | |

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 16 | 9.4 | 482 | 1 |
| 2 | 18 | 8.2 | 353 | 1 |
| 3 | 17 | 7.7 | 341 | 1 |
| 4 | 17 | 9.1 | 296 | 1 |
| 5 | 16 | 6.7 | 244 | 1 |
| 6 | 17 | 7.0 | 442 | 1 |
| 7 | 17 | 7.1 | 308 | 0 |
| 8 | 18 | 8.0 | 354 | 1 |
| 9 | 16 | 7.9 | 341 | 1 |
| 10 | 16 | 8.9 | 275 | 1 |
| 11 | 16 | 8.5 | 409 | 1 |
| 12 | 17 | 9.2 | 336 | 1 |
| 13 | 18 | 9.6 | 379 | 0 |
| 14 | 17 | 8.1 | 419 | 1 |
| 15 | 18 | 7.2 | 487 | 1 |
| 16 | 17 | 9.8 | 217 | 1 |
| 17 | 18 | 8.3 | 316 | 1 |
| 18 | 17 | 7.7 | 229 | 1 |
| 19 | 17 | 8.8 | 500 | 1 |
| 20 | 18 | 6.7 | 220 | 1 |
| 21 | 16 | 7.7 | 357 | 0 |
| 22 | 18 | 10.0 | 428 | 0 |
| 23 | 18 | 7.4 | 493 | 1 |
| 24 | 18 | 9.5 | 251 | 1 |
| 25 | 17 | 7.7 | 342 | 1 |
| 26 | 18 | 10.0 | 392 | 1 |
| 27 | 18 | 7.1 | 406 | 1 |
| 28 | 18 | 7.5 | 285 | 1 |
| 29 | 16 | 8.1 | 381 | 1 |
| 30 | 16 | 7.7 | 389 | 1 |
| Detection Percentage: 86.7 % (>60%) | | | | |

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 14 | 17.4 | 320 | 1 |
| 2 | 16 | 12.8 | 305 | 1 |
| 3 | 15 | 18.4 | 409 | 0 |
| 4 | 14 | 16.8 | 315 | 1 |
| 5 | 15 | 17.2 | 240 | 1 |
| 6 | 14 | 14.2 | 446 | 0 |
| 7 | 16 | 13.7 | 285 | 1 |
| 8 | 13 | 18.1 | 226 | 1 |
| 9 | 13 | 17.1 | 478 | 1 |
| 10 | 13 | 13.0 | 465 | 0 |
| 11 | 13 | 16.3 | 299 | 1 |
| 12 | 16 | 12.1 | 273 | 1 |
| 13 | 16 | 12.4 | 457 | 1 |
| 14 | 16 | 19.0 | 339 | 1 |
| 15 | 12 | 15.3 | 462 | 1 |
| 16 | 13 | 17.1 | 202 | 1 |
| 17 | 12 | 13.0 | 441 | 1 |
| 18 | 15 | 12.1 | 428 | 0 |
| 19 | 15 | 19.4 | 329 | 1 |
| 20 | 15 | 17.0 | 494 | 1 |
| 21 | 15 | 13.1 | 392 | 1 |
| 22 | 16 | 12.4 | 211 | 0 |
| 23 | 12 | 11.6 | 305 | 1 |
| 24 | 13 | 12.6 | 259 | 0 |
| 25 | 15 | 11.7 | 220 | 1 |
| 26 | 15 | 11.9 | 447 | 1 |
| 27 | 15 | 19.7 | 263 | 1 |
| 28 | 14 | 15.4 | 405 | 1 |
| a29 | 12 | 20.0 | 462 | 1 |
| 30 | 14 | 14.6 | 337 | 0 |
| Detection Percentage: 76.7 % (>60%) | | | | |

Table-5 Radar Type 5 Statistical Performance

| Trial # | Fc (MHz) | Detection (1:yes; 0:no) |
|--|-----------------|--------------------------------|
| 1 | 5510 | 1 |
| 2 | 5510 | 1 |
| 3 | 5510 | 1 |
| 4 | 5510 | 1 |
| 5 | 5510 | 1 |
| 6 | 5510 | 1 |
| 7 | 5510 | 1 |
| 8 | 5510 | 1 |
| 9 | 5510 | 1 |
| 10 | 5510 | 1 |
| 11 | 5497.6 | 1 |
| 12 | 5500.0 | 1 |
| 13 | 5496.0 | 1 |
| 14 | 5495.6 | 1 |
| 15 | 5498.8 | 1 |
| 16 | 5499.2 | 1 |
| 17 | 5498.0 | 1 |
| 18 | 5499.6 | 1 |
| 19 | 5494.8 | 1 |
| 20 | 5497.2 | 1 |
| 21 | 5526.0 | 1 |
| 22 | 5521.6 | 1 |
| 23 | 5521.2 | 1 |
| 24 | 5520.8 | 1 |
| 25 | 5521.6 | 1 |
| 26 | 5522.0 | 1 |
| 27 | 5520.4 | 1 |
| 28 | 5524.4 | 1 |
| 29 | 5520.8 | 1 |
| 30 | 5522.0 | 1 |
| Detection Percentage: 100 % (>80%) | | |

Bin5 Statistics 1

| 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 | 12 | 85.7 | 1484 | 1878 | 0.618181 | 1 |
| 1 | 2 | 12 | 95.0 | 1409 | | 1.132669 | |
| 2 | 3 | 12 | 81.0 | 1398 | 1909 | 2.003124 | |
| 3 | 2 | 12 | 52.6 | 1850 | | 2.401009 | |
| 4 | 1 | 12 | 92.3 | | | 3.215587 | |
| 5 | 3 | 12 | 88.9 | 1901 | 1458 | 3.551280 | |
| 6 | 1 | 12 | 53.5 | | | 4.335136 | |
| 7 | 3 | 12 | 80.5 | 1015 | 1326 | 5.430783 | |
| 8 | 3 | 12 | 79.6 | 1845 | 1761 | 5.660010 | |
| 9 | 2 | 12 | 54.7 | 1612 | | 6.504618 | |
| 10 | 2 | 12 | 74.7 | 1400 | | 7.702590 | |
| 11 | 2 | 12 | 64.3 | 1836 | | 7.930381 | |
| 12 | 3 | 12 | 81.2 | 1988 | 1753 | 8.674802 | |
| 13 | 1 | 12 | 97.0 | | | 9.795555 | |
| 14 | 2 | 12 | 99.2 | 1621 | | 10.234298 | |
| 15 | 1 | 12 | 53.7 | | | 11.062103 | |
| 16 | 1 | 12 | 82.7 | | | 11.965303 | |

Bin5 Statistics 2

| 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 | 14 | 57.7 | 1939 | 1397 | 0.180842 | 1 |
| 1 | 1 | 14 | 71.8 | | | 1.148877 | |
| 2 | 2 | 14 | 99.8 | 1127 | | 2.099394 | |
| 3 | 2 | 14 | 71.0 | 1005 | | 2.896583 | |
| 4 | 1 | 14 | 50.1 | | | 3.886667 | |
| 5 | 1 | 14 | 78.5 | | | 4.759632 | |
| 6 | 3 | 14 | 82.0 | 1993 | 1048 | 5.024921 | |
| 7 | 2 | 14 | 57.7 | 1044 | | 6.249001 | |
| 8 | 2 | 14 | 97.7 | 1266 | | 6.764601 | |
| 9 | 1 | 14 | 74.8 | | | 7.490854 | |
| 10 | 2 | 14 | 91.9 | 1645 | | 8.578940 | |
| 11 | 3 | 14 | 98.1 | 1898 | 1733 | 9.428854 | |
| 12 | 1 | 14 | 66.6 | | | 10.091576 | |
| 13 | 1 | 14 | 68.3 | | | 10.645373 | |
| 14 | 3 | 14 | 58.3 | 1427 | 1727 | 11.649394 | |

Bin5 Statistics 3

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 15 | 85.4 | 1043 | | 0.318120 | 1 |
| 1 | 1 | 15 | 98.7 | | | 1.026366 | |
| 2 | 2 | 15 | 70.4 | 1135 | | 1.664936 | |
| 3 | 3 | 15 | 80.4 | 1255 | 1277 | 2.671979 | |
| 4 | 2 | 15 | 87.7 | 1809 | | 3.177567 | |
| 5 | 2 | 15 | 58.4 | 1504 | | 4.100769 | |
| 6 | 2 | 15 | 66.3 | 1193 | | 5.077834 | |
| 7 | 2 | 15 | 51.1 | 1286 | | 5.835156 | |
| 8 | 2 | 15 | 75.2 | 1830 | | 6.468075 | |
| 9 | 1 | 15 | 98.2 | | | 7.436140 | |
| 10 | 2 | 15 | 67.0 | 1307 | | 8.081764 | |
| 11 | 3 | 15 | 87.5 | 1386 | 1060 | 8.901608 | |
| 12 | 2 | 15 | 87.4 | 1694 | | 9.635292 | |
| 13 | 1 | 15 | 72.2 | | | 10.186628 | |
| 14 | 2 | 15 | 77.7 | 1262 | | 10.709854 | |
| 15 | 3 | 15 | 84.3 | 1859 | 1615 | 11.661597 | |

Bin5 Statistics 4

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 14 | 79.3 | | | 0.631724 | 1 |
| 1 | 2 | 14 | 67.3 | 1106 | | 1.741485 | |
| 2 | 2 | 14 | 53.3 | 1727 | | 2.657106 | |
| 3 | 2 | 14 | 63.2 | 1952 | | 3.804490 | |
| 4 | 2 | 14 | 64.8 | 1713 | | 4.868518 | |
| 5 | 1 | 14 | 73.1 | | | 6.040576 | |
| 6 | 2 | 14 | 61.6 | 1583 | | 6.568509 | |
| 7 | 1 | 14 | 83.5 | | | 8.129597 | |
| 8 | 3 | 14 | 72.6 | 1065 | 1462 | 9.319398 | |
| 9 | 3 | 14 | 55.1 | 1846 | 1352 | 10.129595 | |
| 10 | 2 | 14 | 50.2 | 1933 | | 11.642279 | |

Bin5 Statistics 5

| 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 | 9 | 55.4 | 1147 | | 0.548425 | 1 |
| 1 | 1 | 9 | 89.3 | | | 0.992741 | |
| 2 | 2 | 9 | 60.7 | 1686 | | 1.665479 | |
| 3 | 1 | 9 | 74.0 | | | 2.753545 | |
| 4 | 2 | 9 | 59.7 | 1351 | | 3.133126 | |
| 5 | 1 | 9 | 87.7 | | | 3.827760 | |
| 6 | 2 | 9 | 58.0 | 1772 | | 4.648044 | |
| 7 | 3 | 9 | 71.3 | 1887 | 1802 | 5.102837 | |
| 8 | 2 | 9 | 67.8 | 1050 | | 5.987960 | |
| 9 | 2 | 9 | 68.0 | 1140 | | 6.422964 | |
| 10 | 2 | 9 | 57.2 | 1555 | | 7.369469 | |
| 11 | 3 | 9 | 83.9 | 1492 | 1863 | 7.893415 | |
| 12 | 1 | 9 | 80.1 | | | 8.514544 | |
| 13 | 1 | 9 | 85.4 | | | 9.599686 | |
| 14 | 1 | 9 | 54.3 | | | 10.283389 | |
| 15 | 3 | 9 | 62.7 | 1011 | 1747 | 11.029875 | |
| 16 | 2 | 9 | 99.2 | 1878 | | 11.592819 | |

Bin5 Statistics 6

| 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 | 1 | 12 | 53.1 | | | 0.952973 | 1 |
| 1 | 2 | 12 | 90.0 | 1372 | | 1.372652 | |
| 2 | 2 | 12 | 82.5 | 1317 | | 2.439469 | |
| 3 | 1 | 12 | 78.0 | | | 3.707340 | |
| 4 | 3 | 12 | 73.9 | 1807 | 1997 | 4.896186 | |
| 5 | 2 | 12 | 59.6 | 1170 | | 5.539476 | |
| 6 | 2 | 12 | 63.4 | 1616 | | 6.806772 | |
| 7 | 3 | 12 | 84.8 | 1759 | 1854 | 8.404741 | |
| 8 | 2 | 12 | 52.4 | 1480 | | 9.309421 | |
| 9 | 3 | 12 | 74.9 | 1128 | 1726 | 10.026173 | |
| 10 | 2 | 12 | 64.7 | 1006 | | 11.786694 | |

Bin5 Statistics 7

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 7 | 73.4 | 1915 | 1804 | 0.142868 | 1 |
| 1 | 3 | 7 | 66.5 | 1552 | 1146 | 1.249343 | |
| 2 | 1 | 7 | 87.6 | | | 1.530523 | |
| 3 | 2 | 7 | 69.6 | 1988 | | 2.457304 | |
| 4 | 1 | 7 | 63.2 | | | 2.957353 | |
| 5 | 2 | 7 | 63.7 | 1382 | | 3.219953 | |
| 6 | 2 | 7 | 59.8 | 1657 | | 4.095634 | |
| 7 | 3 | 7 | 95.0 | 1973 | 1514 | 4.682093 | |
| 8 | 3 | 7 | 51.0 | 1123 | 1211 | 5.364284 | |
| 9 | 1 | 7 | 67.2 | | | 5.744551 | |
| 10 | 1 | 7 | 96.9 | | | 6.715015 | |
| 11 | 2 | 7 | 81.6 | 1229 | | 7.315479 | |
| 12 | 1 | 7 | 67.0 | | | 8.199115 | |
| 13 | 2 | 7 | 74.5 | 1471 | | 8.708018 | |
| 14 | 3 | 7 | 70.4 | 1710 | 1729 | 9.178359 | |
| 15 | 2 | 7 | 60.5 | 1229 | | 9.759929 | |
| 16 | 2 | 7 | 93.7 | 1653 | | 10.555074 | |
| 17 | 2 | 7 | 99.6 | 1769 | | 11.286007 | |
| 18 | 2 | 7 | 82.4 | 1650 | | 11.648674 | |

Bin5 Statistics 8

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 11 | 91.0 | 1566 | | 0.719406 | 1 |
| 1 | 2 | 11 | 85.4 | 1836 | | 0.857720 | |
| 2 | 1 | 11 | 73.1 | | | 1.768781 | |
| 3 | 2 | 11 | 93.2 | 1018 | | 3.362755 | |
| 4 | 1 | 11 | 78.6 | | | 3.726588 | |
| 5 | 3 | 11 | 53.4 | 1358 | 1962 | 4.310829 | |
| 6 | 2 | 11 | 79.3 | 1797 | | 5.359498 | |
| 7 | 3 | 11 | 67.6 | 1743 | 1510 | 6.400090 | |
| 8 | 1 | 11 | 73.4 | | | 6.930191 | |
| 9 | 3 | 11 | 96.9 | 1146 | 1865 | 8.099286 | |
| 10 | 2 | 11 | 69.9 | 1465 | | 8.750918 | |
| 11 | 1 | 11 | 90.7 | | | 9.855841 | |
| 12 | 3 | 11 | 64.6 | 1823 | 1910 | 11.006105 | |
| 13 | 1 | 11 | 94.4 | | | 11.275252 | |

Bin5 Statistics 9

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 12 | 98.1 | 1208 | | 1.054522 | 1 |
| 1 | 1 | 12 | 92.3 | | | 1.776251 | |
| 2 | 3 | 12 | 52.2 | 1939 | 1584 | 3.146961 | |
| 3 | 1 | 12 | 97.3 | | | 4.197130 | |
| 4 | 2 | 12 | 94.8 | 1673 | | 6.110117 | |
| 5 | 2 | 12 | 60.3 | 1216 | | 6.738234 | |
| 6 | 3 | 12 | 66.3 | 1528 | 1854 | 8.030113 | |
| 7 | 1 | 12 | 52.5 | | | 10.583865 | |
| 8 | 3 | 12 | 55.6 | 1261 | 1435 | 11.852554 | |

Bin5 Statistics 10

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 8 | 88.3 | 1388 | 1847 | 0.671112 | 1 |
| 1 | 3 | 8 | 92.0 | 1215 | 1023 | 1.036116 | |
| 2 | 2 | 8 | 91.8 | 1059 | | 1.726494 | |
| 3 | 3 | 8 | 79.9 | 1543 | 1074 | 2.722723 | |
| 4 | 2 | 8 | 76.0 | 1497 | | 3.869746 | |
| 5 | 1 | 8 | 85.4 | | | 4.587765 | |
| 6 | 2 | 8 | 100.0 | 1161 | | 5.022343 | |
| 7 | 2 | 8 | 67.9 | 1902 | | 5.815664 | |
| 8 | 2 | 8 | 71.7 | 1876 | | 7.186360 | |
| 9 | 1 | 8 | 88.5 | | | 7.825860 | |
| 10 | 2 | 8 | 83.0 | 1854 | | 8.089591 | |
| 11 | 3 | 8 | 82.1 | 1617 | 1668 | 9.051765 | |
| 12 | 2 | 8 | 59.5 | 1097 | | 10.224979 | |
| 13 | 3 | 8 | 93.3 | 1593 | 1509 | 10.828159 | |
| 14 | 2 | 8 | 59.7 | 1312 | | 11.641847 | |

Bin5 Statistics 11

| 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 | 1 | 14 | 87.4 | | | 0.149033 | 1 |
| 1 | 1 | 14 | 91.3 | | | 1.145138 | |
| 2 | 1 | 14 | 53.0 | | | 2.234460 | |
| 3 | 2 | 14 | 51.3 | 1523 | | 3.016303 | |
| 4 | 2 | 14 | 94.8 | 1220 | | 3.264874 | |
| 5 | 3 | 14 | 54.5 | 1837 | 1967 | 4.156345 | |
| 6 | 1 | 14 | 55.2 | | | 4.934709 | |
| 7 | 2 | 14 | 70.0 | 1004 | | 6.190556 | |
| 8 | 2 | 14 | 84.9 | 1751 | | 7.187652 | |
| 9 | 2 | 14 | 82.6 | 1574 | | 7.538336 | |
| 10 | 2 | 14 | 51.9 | 1397 | | 8.454754 | |
| 11 | 3 | 14 | 91.1 | 1387 | 1450 | 9.536787 | |
| 12 | 3 | 14 | 81.6 | 1639 | 1359 | 10.218917 | |
| 13 | 2 | 14 | 52.4 | 1625 | | 10.866024 | |
| 14 | 2 | 14 | 91.4 | 1558 | | 11.468509 | |

Bin5 Statistics 12

| 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 | 20 | 68.4 | 1136 | 1341 | 0.021361 | 1 |
| 1 | 3 | 20 | 85.5 | 1066 | 1831 | 1.263586 | |
| 2 | 2 | 20 | 77.6 | 1634 | | 2.252966 | |
| 3 | 3 | 20 | 53.3 | 1915 | 1486 | 2.815808 | |
| 4 | 2 | 20 | 71.3 | 1223 | | 3.575074 | |
| 5 | 2 | 20 | 71.1 | 1558 | | 4.506009 | |
| 6 | 2 | 20 | 60.8 | 1026 | | 5.544748 | |
| 7 | 2 | 20 | 86.3 | 1327 | | 6.018473 | |
| 8 | 2 | 20 | 76.5 | 1292 | | 6.762517 | |
| 9 | 2 | 20 | 76.2 | 1121 | | 7.892867 | |
| 10 | 1 | 20 | 75.3 | | | 8.255594 | |
| 11 | 3 | 20 | 62.1 | 1563 | 1681 | 9.485642 | |
| 12 | 2 | 20 | 83.7 | 1250 | | 10.198266 | |
| 13 | 1 | 20 | 98.6 | | | 10.897437 | |
| 14 | 1 | 20 | 86.7 | | | 11.412485 | |

Bin5 Statistics 13

| 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 | 10 | 90.7 | 1416 | 1536 | 0.899933 | 1 |
| 1 | 2 | 10 | 72.7 | 1977 | | 1.292016 | |
| 2 | 2 | 10 | 93.0 | 1792 | | 3.134386 | |
| 3 | 1 | 10 | 76.7 | | | 3.361053 | |
| 4 | 2 | 10 | 98.9 | 1531 | | 4.536721 | |
| 5 | 2 | 10 | 61.9 | 1886 | | 6.459933 | |
| 6 | 1 | 10 | 86.3 | | | 7.363334 | |
| 7 | 2 | 10 | 67.9 | 1952 | | 8.361742 | |
| 8 | 1 | 10 | 53.9 | | | 9.675899 | |
| 9 | 3 | 10 | 69.9 | 1405 | 1667 | 10.097677 | |
| 10 | 2 | 10 | 82.1 | 1659 | | 11.323493 | |

Bin5 Statistics 14

| 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 | 1 | 9 | 83.3 | | | 0.246271 | 1 |
| 1 | 2 | 9 | 82.7 | 1541 | | 1.589650 | |
| 2 | 3 | 9 | 57.5 | 1254 | 1673 | 1.622156 | |
| 3 | 2 | 9 | 59.3 | 1081 | | 2.950567 | |
| 4 | 3 | 9 | 85.5 | 1300 | 1036 | 3.755709 | |
| 5 | 3 | 9 | 71.1 | 1881 | 1637 | 4.554298 | |
| 6 | 2 | 9 | 70.4 | 1530 | | 5.397437 | |
| 7 | 2 | 9 | 76.6 | 1331 | | 5.837222 | |
| 8 | 3 | 9 | 67.8 | 1316 | 1543 | 6.691027 | |
| 9 | 2 | 9 | 97.0 | 1368 | | 7.320458 | |
| 10 | 2 | 9 | 59.8 | 1720 | | 8.736726 | |
| 11 | 2 | 9 | 55.2 | 1404 | | 8.875204 | |
| 12 | 2 | 9 | 64.3 | 1701 | | 9.615153 | |
| 13 | 1 | 9 | 78.8 | | | 11.073058 | |
| 14 | 1 | 9 | 65.4 | | | 11.941647 | |

Bin5 Statistics 15

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 17 | 65.2 | | | 0.069397 | 1 |
| 1 | 2 | 17 | 55.6 | 1070 | | 1.196173 | |
| 2 | 2 | 17 | 62.1 | 1020 | | 1.834917 | |
| 3 | 1 | 17 | 58.9 | | | 2.073276 | |
| 4 | 3 | 17 | 78.8 | 1778 | 1018 | 2.866191 | |
| 5 | 3 | 17 | 54.3 | 1799 | 1888 | 3.375025 | |
| 6 | 1 | 17 | 71.6 | | | 4.315866 | |
| 7 | 2 | 17 | 81.4 | 1468 | | 4.928845 | |
| 8 | 1 | 17 | 54.9 | | | 5.272711 | |
| 9 | 1 | 17 | 75.2 | | | 6.215488 | |
| 10 | 1 | 17 | 79.9 | | | 6.548056 | |
| 11 | 3 | 17 | 71.4 | 1710 | 1909 | 7.262094 | |
| 12 | 2 | 17 | 66.0 | 1682 | | 7.941419 | |
| 13 | 2 | 17 | 66.7 | 1592 | | 8.392304 | |
| 14 | 3 | 17 | 91.4 | 1003 | 1393 | 9.372772 | |
| 15 | 1 | 17 | 89.3 | | | 9.614829 | |
| 16 | 2 | 17 | 85.1 | 1675 | | 10.303942 | |
| 17 | 2 | 17 | 92.7 | 1213 | | 11.284901 | |
| 18 | 3 | 17 | 64.1 | 1257 | 1707 | 11.535340 | |

Bin5 Statistics 16

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 18 | 84.1 | 1829 | | 0.559060 | 1 |
| 1 | 3 | 18 | 90.3 | 1863 | 1375 | 1.716020 | |
| 2 | 2 | 18 | 68.1 | 1925 | | 3.427916 | |
| 3 | 1 | 18 | 90.1 | | | 4.247555 | |
| 4 | 1 | 18 | 65.7 | | | 5.362368 | |
| 5 | 1 | 18 | 93.1 | | | 7.771986 | |
| 6 | 2 | 18 | 71.4 | 1190 | | 8.699854 | |
| 7 | 3 | 18 | 78.1 | 1068 | 1274 | 9.523885 | |
| 8 | 1 | 18 | 85.5 | | | 10.828153 | |

Bin5 Statistics 17

| 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 | 1 | 15 | 79.1 | | | 0.338513 | 1 |
| 1 | 3 | 15 | 72.2 | 1109 | 1358 | 1.279200 | |
| 2 | 2 | 15 | 94.7 | 1258 | | 1.558560 | |
| 3 | 2 | 15 | 98.5 | 1524 | | 2.715924 | |
| 4 | 2 | 15 | 90.5 | 1788 | | 3.125179 | |
| 5 | 3 | 15 | 97.0 | 1296 | 1564 | 3.865729 | |
| 6 | 1 | 15 | 89.4 | | | 4.381618 | |
| 7 | 2 | 15 | 88.7 | 1506 | | 5.284730 | |
| 8 | 1 | 15 | 85.3 | | | 5.743721 | |
| 9 | 2 | 15 | 98.3 | 1776 | | 6.642154 | |
| 10 | 2 | 15 | 74.6 | 1476 | | 7.287015 | |
| 11 | 2 | 15 | 87.6 | 1532 | | 8.161941 | |
| 12 | 1 | 15 | 97.3 | | | 8.816639 | |
| 13 | 1 | 15 | 52.3 | | | 9.219327 | |
| 14 | 2 | 15 | 91.5 | 1955 | | 10.342397 | |
| 15 | 2 | 15 | 65.9 | 1496 | | 10.984517 | |
| 16 | 2 | 15 | 64.6 | 1500 | | 11.898047 | |

Bin5 Statistics 18

| 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 | 19 | 90.7 | 1700 | | 0.165499 | 1 |
| 1 | 3 | 19 | 96.6 | 1384 | 1686 | 1.443556 | |
| 2 | 2 | 19 | 57.7 | 1266 | | 2.481688 | |
| 3 | 2 | 19 | 99.5 | 1994 | | 2.878488 | |
| 4 | 1 | 19 | 70.7 | | | 4.508714 | |
| 5 | 1 | 19 | 51.9 | | | 5.186092 | |
| 6 | 2 | 19 | 68.6 | 1170 | | 5.780380 | |
| 7 | 2 | 19 | 69.7 | 1245 | | 7.371396 | |
| 8 | 3 | 19 | 72.6 | 1079 | 1084 | 8.291521 | |
| 9 | 2 | 19 | 77.1 | 1482 | | 8.501546 | |
| 10 | 3 | 19 | 99.9 | 1297 | 1922 | 10.082680 | |
| 11 | 3 | 19 | 82.5 | 1627 | 1218 | 10.337545 | |
| 12 | 1 | 19 | 64.8 | | | 11.833313 | |

Bin5 Statistics 19

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 7 | 67.9 | | | 0.437671 | 1 |
| 1 | 2 | 7 | 87.3 | 1280 | | 1.211808 | |
| 2 | 2 | 7 | 100.0 | 1808 | | 2.602143 | |
| 3 | 2 | 7 | 58.2 | 1871 | | 3.559538 | |
| 4 | 2 | 7 | 66.1 | 1434 | | 3.869111 | |
| 5 | 3 | 7 | 50.1 | 1632 | 1625 | 5.445853 | |
| 6 | 3 | 7 | 97.3 | 1094 | 1720 | 5.945854 | |
| 7 | 3 | 7 | 84.6 | 1874 | 1171 | 6.547093 | |
| 8 | 1 | 7 | 93.9 | | | 7.971677 | |
| 9 | 2 | 7 | 51.6 | 1459 | | 8.643453 | |
| 10 | 1 | 7 | 65.2 | | | 9.590407 | |
| 11 | 3 | 7 | 76.9 | 1337 | 1325 | 10.702117 | |
| 12 | 2 | 7 | 60.0 | 1694 | | 11.449905 | |

Bin5 Statistics 20

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 13 | 63.5 | 1925 | | 0.999015 | 1 |
| 1 | 2 | 13 | 83.3 | 1452 | | 1.226067 | |
| 2 | 1 | 13 | 85.2 | | | 2.287111 | |
| 3 | 3 | 13 | 63.2 | 1087 | 1471 | 3.590168 | |
| 4 | 3 | 13 | 88.8 | 1029 | 1065 | 5.447211 | |
| 5 | 2 | 13 | 67.7 | 1334 | | 6.124360 | |
| 6 | 2 | 13 | 87.3 | 1113 | | 7.183425 | |
| 7 | 2 | 13 | 61.1 | 1231 | | 7.742534 | |
| 8 | 3 | 13 | 68.0 | 1346 | 1257 | 9.003451 | |
| 9 | 2 | 13 | 53.4 | 1901 | | 10.871775 | |
| 10 | 3 | 13 | 58.8 | 1141 | 1231 | 11.241269 | |

Bin5 Statistics 21

| 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 | 5 | 53.2 | 1945 | 1793 | 0.118545 | 1 |
| 1 | 2 | 5 | 93.0 | 1759 | | 0.841743 | |
| 2 | 3 | 5 | 88.2 | 1983 | 1505 | 1.989702 | |
| 3 | 1 | 5 | 78.0 | | | 2.544719 | |
| 4 | 3 | 5 | 62.1 | 1038 | 1174 | 3.068484 | |
| 5 | 3 | 5 | 87.1 | 1493 | 1637 | 3.767592 | |
| 6 | 3 | 5 | 56.4 | 1746 | 1536 | 5.239276 | |
| 7 | 2 | 5 | 69.7 | 1123 | | 5.818906 | |
| 8 | 3 | 5 | 65.9 | 1532 | 1689 | 6.395403 | |
| 9 | 3 | 5 | 80.8 | 1547 | 1855 | 6.766381 | |
| 10 | 2 | 5 | 80.8 | 1768 | | 8.217403 | |
| 11 | 3 | 5 | 57.6 | 1440 | 1760 | 8.958330 | |
| 12 | 2 | 5 | 50.8 | 1548 | | 9.160535 | |
| 13 | 1 | 5 | 51.1 | | | 9.778279 | |
| 14 | 2 | 5 | 81.5 | 1064 | | 10.820654 | |
| 15 | 1 | 5 | 95.5 | | | 11.601740 | |

Bin5 Statistics 22

| 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 | 16 | 79.0 | 1256 | | 0.046770 | 0 |
| 1 | 2 | 16 | 71.0 | 1614 | | 1.852267 | |
| 2 | 2 | 16 | 98.0 | 1431 | | 2.037184 | |
| 3 | 1 | 16 | 80.7 | | | 3.076135 | |
| 4 | 2 | 16 | 83.5 | 1689 | | 4.888731 | |
| 5 | 2 | 16 | 95.2 | 1406 | | 5.035134 | |
| 6 | 1 | 16 | 98.1 | | | 6.469827 | |
| 7 | 2 | 16 | 96.8 | 1511 | | 7.491350 | |
| 8 | 3 | 16 | 81.8 | 1651 | 1070 | 8.947211 | |
| 9 | 2 | 16 | 62.4 | 1312 | | 9.991616 | |
| 10 | 1 | 16 | 87.4 | | | 10.122414 | |
| 11 | 2 | 16 | 88.4 | 1121 | | 11.462745 | |

Bin5 Statistics 23

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 17 | 61.9 | 1346 | | 0.196376 | 1 |
| 1 | 3 | 17 | 85.9 | 1247 | 1752 | 1.984171 | |
| 2 | 2 | 17 | 81.7 | 1503 | | 3.224304 | |
| 3 | 2 | 17 | 97.8 | 1118 | | 4.200440 | |
| 4 | 1 | 17 | 66.4 | | | 5.358360 | |
| 5 | 2 | 17 | 65.9 | 1001 | | 6.971086 | |
| 6 | 2 | 17 | 97.0 | 1971 | | 8.809639 | |
| 7 | 3 | 17 | 63.6 | 1716 | 1227 | 10.458569 | |
| 8 | 3 | 17 | 83.2 | 1762 | 1948 | 11.626964 | |

Bin5 Statistics 24

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 18 | 99.1 | | | 0.476652 | 1 |
| 1 | 2 | 18 | 77.3 | 1162 | | 1.121114 | |
| 2 | 3 | 18 | 98.7 | 1690 | 1694 | 2.756020 | |
| 3 | 3 | 18 | 74.3 | 1837 | 1454 | 3.671377 | |
| 4 | 1 | 18 | 55.7 | | | 4.602336 | |
| 5 | 1 | 18 | 90.7 | | | 5.475569 | |
| 6 | 3 | 18 | 72.2 | 1104 | 1380 | 6.227905 | |
| 7 | 3 | 18 | 95.8 | 1171 | 1955 | 6.760167 | |
| 8 | 3 | 18 | 89.2 | 1868 | 1630 | 8.089427 | |
| 9 | 3 | 18 | 88.3 | 1365 | 1309 | 8.864681 | |
| 10 | 2 | 18 | 76.6 | 1744 | | 9.262987 | |
| 11 | 2 | 18 | 64.8 | 1853 | | 10.901268 | |
| 12 | 3 | 18 | 54.4 | 1319 | 1313 | 11.535902 | |

Bin5 Statistics 25

| 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 | 16 | 78.6 | 1615 | | 0.009867 | 1 |
| 1 | 2 | 16 | 83.2 | 1646 | | 1.132724 | |
| 2 | 2 | 16 | 53.9 | 1598 | | 1.325998 | |
| 3 | 3 | 16 | 95.6 | 1123 | 1242 | 2.189584 | |
| 4 | 2 | 16 | 92.2 | 1425 | | 3.004862 | |
| 5 | 3 | 16 | 64.1 | 1289 | 1236 | 3.491867 | |
| 6 | 1 | 16 | 65.4 | | | 3.864473 | |
| 7 | 1 | 16 | 55.8 | | | 4.626699 | |
| 8 | 1 | 16 | 65.1 | | | 5.275583 | |
| 9 | 3 | 16 | 94.7 | 1100 | 1040 | 5.933745 | |
| 10 | 3 | 16 | 94.8 | 1581 | 1767 | 6.861313 | |
| 11 | 1 | 16 | 97.2 | | | 7.415373 | |
| 12 | 1 | 16 | 80.5 | | | 8.037331 | |
| 13 | 3 | 16 | 60.6 | 1371 | 1484 | 8.442730 | |
| 14 | 2 | 16 | 80.8 | 1177 | | 9.234428 | |
| 15 | 2 | 16 | 75.8 | 1394 | | 9.883115 | |
| 16 | 2 | 16 | 76.2 | 1927 | | 10.629344 | |
| 17 | 2 | 16 | 67.3 | 1067 | | 11.046378 | |
| 18 | 2 | 16 | 56.2 | 1259 | | 11.602535 | |

Bin5 Statistics 26

| 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 | 15 | 78.1 | 1538 | | 0.152346 | 0 |
| 1 | 2 | 15 | 59.8 | 1505 | | 1.031263 | |
| 2 | 1 | 15 | 94.2 | | | 1.796891 | |
| 3 | 3 | 15 | 87.9 | 1264 | 1114 | 3.087429 | |
| 4 | 1 | 15 | 84.2 | | | 3.643776 | |
| 5 | 2 | 15 | 75.4 | 1220 | | 4.721416 | |
| 6 | 2 | 15 | 72.8 | 1152 | | 5.813237 | |
| 7 | 2 | 15 | 89.1 | 1331 | | 6.712568 | |
| 8 | 2 | 15 | 86.3 | 1695 | | 7.662006 | |
| 9 | 2 | 15 | 64.0 | 1673 | | 8.052120 | |
| 10 | 3 | 15 | 83.8 | 1462 | 1768 | 8.686547 | |
| 11 | 1 | 15 | 68.6 | | | 9.888380 | |
| 12 | 2 | 15 | 61.9 | 1894 | | 10.795130 | |
| 13 | 3 | 15 | 69.4 | 1250 | 1920 | 11.958784 | |

Bin5 Statistics 27

| 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 | 1 | 19 | 54.2 | | | 0.683920 | 1 |
| 1 | 2 | 19 | 98.1 | 1124 | | 0.756736 | |
| 2 | 3 | 19 | 83.4 | 1141 | 1582 | 1.550950 | |
| 3 | 3 | 19 | 64.0 | 1821 | 1595 | 2.259018 | |
| 4 | 3 | 19 | 60.5 | 1870 | 1850 | 3.367836 | |
| 5 | 2 | 19 | 91.7 | 1072 | | 4.248453 | |
| 6 | 2 | 19 | 54.0 | 1224 | | 5.017691 | |
| 7 | 1 | 19 | 60.8 | | | 5.974471 | |
| 8 | 1 | 19 | 92.8 | | | 6.204731 | |
| 9 | 3 | 19 | 84.9 | 1326 | 1277 | 7.246825 | |
| 10 | 2 | 19 | 98.1 | 1224 | | 8.044583 | |
| 11 | 3 | 19 | 64.5 | 1597 | 1734 | 8.477845 | |
| 12 | 1 | 19 | 75.1 | | | 9.080907 | |
| 13 | 2 | 19 | 63.9 | 1770 | | 9.851599 | |
| 14 | 3 | 19 | 71.5 | 1335 | 1497 | 10.638504 | |
| 15 | 1 | 19 | 81.9 | | | 11.887942 | |

Bin5 Statistics 28

| 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 | 9 | 60.9 | 1558 | | 0.682490 | 1 |
| 1 | 2 | 9 | 85.1 | 1271 | | 0.995825 | |
| 2 | 2 | 9 | 94.5 | 1369 | | 2.728412 | |
| 3 | 1 | 9 | 67.7 | | | 3.584601 | |
| 4 | 2 | 9 | 76.1 | 1620 | | 3.737643 | |
| 5 | 3 | 9 | 84.1 | 1252 | 1777 | 5.057054 | |
| 6 | 3 | 9 | 88.7 | 1962 | 1395 | 6.132260 | |
| 7 | 3 | 9 | 62.4 | 1331 | 1052 | 6.598908 | |
| 8 | 2 | 9 | 87.5 | 1448 | | 7.979088 | |
| 9 | 2 | 9 | 99.4 | 1339 | | 8.480659 | |
| 10 | 2 | 9 | 94.3 | 1854 | | 9.580421 | |
| 11 | 3 | 9 | 95.2 | 1335 | 1896 | 10.476651 | |
| 12 | 1 | 9 | 92.2 | | | 11.972870 | |

Bin5 Statistics 29

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 18 | 56.0 | 1626 | 1442 | 0.543732 | 1 |
| 1 | 2 | 18 | 64.1 | 1350 | | 1.555868 | |
| 2 | 1 | 18 | 50.8 | | | 2.658764 | |
| 3 | 3 | 18 | 87.9 | 1774 | 1104 | 3.007996 | |
| 4 | 2 | 18 | 61.4 | 1698 | | 4.427286 | |
| 5 | 2 | 18 | 99.4 | 1651 | | 5.247964 | |
| 6 | 2 | 18 | 51.2 | 1845 | | 6.147810 | |
| 7 | 2 | 18 | 98.5 | 1486 | | 6.643815 | |
| 8 | 3 | 18 | 88.0 | 1004 | 1765 | 8.235753 | |
| 9 | 2 | 18 | 93.5 | 1174 | | 8.643084 | |
| 10 | 3 | 18 | 55.2 | 1961 | 1156 | 9.733965 | |
| 11 | 1 | 18 | 56.5 | | | 10.851445 | |
| 12 | 2 | 18 | 83.9 | 1569 | | 11.843904 | |

Bin5 Statistics 30

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 15 | 59.7 | 1802 | 1822 | 0.448283 | 1 |
| 1 | 1 | 15 | 76.5 | | | 1.388864 | |
| 2 | 1 | 15 | 58.3 | | | 1.728129 | |
| 3 | 3 | 15 | 52.9 | 1997 | 1081 | 2.422989 | |
| 4 | 3 | 15 | 58.2 | 1033 | 1506 | 3.130060 | |
| 5 | 3 | 15 | 59.7 | 1274 | 1332 | 4.139674 | |
| 6 | 1 | 15 | 79.1 | | | 4.997535 | |
| 7 | 1 | 15 | 96.6 | | | 5.352719 | |
| 8 | 2 | 15 | 50.0 | 1112 | | 6.375145 | |
| 9 | 1 | 15 | 83.4 | | | 7.022853 | |
| 10 | 3 | 15 | 62.5 | 1055 | 1327 | 7.570422 | |
| 11 | 3 | 15 | 95.9 | 1107 | 1078 | 8.633530 | |
| 12 | 2 | 15 | 62.4 | 1976 | | 9.225102 | |
| 13 | 2 | 15 | 52.9 | 1259 | | 9.943966 | |
| 14 | 2 | 15 | 81.1 | 1328 | | 10.722164 | |
| 15 | 1 | 15 | 62.3 | | | 11.375333 | |

Table-6 Radar Type 6 Statistical Performance

| Trial # | Fc (MHz) | Pulse /Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) | Hopping Sequence |
|---------|----------|--------------|------------------|----------|-------------------------|--|
| 1 | 5510.0 | 9 | 1.0 | 333 | 1 | 5375.0, 5654.0, 5649.0, 5443.0, 5354.0, 5691.0, 5304.0, 5314.0, 5286.0, 5420.0, 5424.0, 5586.0, 5647.0, 5705.0, 5570.0, 5693.0, 5302.0, 5588.0, 5394.0, 5567.0, 5607.0, 5477.0, 5390.0, 5715.0, 5657.0, 5491.0, 5313.0, 5602.0, 5554.0, 5257.0, 5347.0, 5587.0, 5685.0, 5358.0, 5383.0, 5403.0, 5350.0, 5517.0, 5622.0, 5373.0, 5407.0, 5322.0, 5565.0, 5294.0, 5640.0, 5563.0, 5613.0, 5659.0, 5580.0, 5494.0, 5316.0, 5487.0, 5448.0, 5538.0, 5525.0, 5331.0, 5596.0, 5528.0, 5463.0, 5610.0, 5518.0, 5393.0, 5365.0, 5503.0, 5701.0, 5271.0, 5330.0, 5558.0, 5395.0, 5664.0, 5569.0, 5549.0, 5272.0, 5492.0, 5321.0, 5710.0, 5694.0, 5406.0, 5464.0, 5256.0, 5618.0, 5496.0, 5695.0, 5629.0, 5508.0, 5412.0, 5399.0, 5592.0, 5536.0, 5663.0, 5382.0, 5349.0, 5506.0, 5425.0, 5510.0, 5402.0, 5712.0, 5346.0, 5501.0, 5426.0 (number of hits: 11) |
| 2 | 5510.0 | 9 | 1.0 | 333 | 1 | 5709.0, 5549.0, 5345.0, 5356.0, 5487.0, 5298.0, 5566.0, 5537.0, 5586.0, 5389.0, 5450.0, 5592.0, 5502.0, 5425.0, 5479.0, 5647.0, 5323.0, 5390.0, 5271.0, 5581.0, 5521.0, 5440.0, 5612.0, 5527.0, 5334.0, 5509.0, 5711.0, 5530.0, 5451.0, 5569.0, 5340.0, 5358.0, 5648.0, 5375.0, 5587.0, 5490.0, 5706.0, 5721.0, 5445.0, 5286.0, 5252.0, 5477.0, 5436.0, 5552.0, 5535.0, 5503.0, 5715.0, 5433.0, 5575.0, 5420.0, 5506.0, 5704.0, 5455.0, 5630.0, 5608.0, 5679.0, 5496.0, 5427.0, 5429.0, 5351.0, 5316.0, 5259.0, 5600.0, 5378.0, 5293.0, 5482.0, 5710.0, 5532.0, 5554.0, 5485.0, 5460.0, 5533.0, 5317.0, 5641.0, 5516.0, 5288.0, 5692.0, 5406.0, 5683.0, 5671.0, 5294.0, 5310.0, 5577.0, 5415.0, 5611.0, 5352.0, 5379.0, 5257.0, 5622.0, 5571.0, 5355.0, 5413.0, 5462.0, 5705.0, 5452.0, 5595.0, 5655.0, 5385.0, 5558.0, 5290.0 (number of hits: 8) |
| 3 | 5510.0 | 9 | 1.0 | 333 | 1 | 5617.0, 5406.0, 5675.0, 5350.0, 5564.0, 5671.0, 5345.0, 5484.0, 5414.0, 5442.0, 5648.0, 5439.0, 5567.0, 5552.0, 5495.0, 5628.0, 5575.0, 5456.0, 5635.0, 5264.0, 5623.0, 5654.0, 5504.0, 5305.0, 5479.0, 5300.0, 5694.0, 5307.0, 5444.0, 5587.0, 5351.0, 5578.0, 5318.0, 5304.0, 5284.0, 5518.0, 5288.0, 5474.0, 5664.0, 5604.0, 5478.0, 5543.0, 5404.0, 5651.0, 5472.0, 5491.0, 5561.0, 5538.0, 5430.0, 5454.0, 5541.0, 5492.0, 5374.0, 5521.0, 5723.0, 5315.0, 5308.0, 5340.0, 5287.0, 5524.0, 5331.0, 5692.0, 5396.0, 5347.0, 5643.0, |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5607.0, 5353.0, 5610.0, 5534.0, 5710.0, 5359.0, 5393.0, 5292.0, 5629.0, 5309.0, 5501.0, 5645.0, 5632.0, 5294.0, 5388.0, 5532.0, 5644.0, 5410.0, 5357.0, 5550.0, 5640.0, 5656.0, 5375.0, 5314.0, 5646.0, 5642.0, 5597.0, 5462.0, 5259.0, 5659.0, 5382.0, 5650.0, 5708.0, 5510.0, 5577.0 (number of hits: 8) |
| 4 | 5510.0 | 9 | 1.0 | 333 | 1 | 5452.0, 5269.0, 5410.0, 5450.0, 5650.0, 5387.0, 5568.0, 5381.0, 5417.0, 5399.0, 5267.0, 5354.0, 5343.0, 5421.0, 5540.0, 5370.0, 5576.0, 5564.0, 5501.0, 5573.0, 5281.0, 5537.0, 5553.0, 5558.0, 5438.0, 5665.0, 5441.0, 5675.0, 5272.0, 5722.0, 5608.0, 5541.0, 5692.0, 5336.0, 5637.0, 5283.0, 5534.0, 5544.0, 5480.0, 5621.0, 5488.0, 5300.0, 5340.0, 5524.0, 5595.0, 5436.0, 5482.0, 5616.0, 5565.0, 5465.0, 5486.0, 5320.0, 5335.0, 5380.0, 5655.0, 5645.0, 5350.0, 5539.0, 5492.0, 5411.0, 5404.0, 5517.0, 5390.0, 5531.0, 5424.0, 5369.0, 5671.0, 5526.0, 5401.0, 5643.0, 5538.0, 5337.0, 5552.0, 5668.0, 5463.0, 5626.0, 5478.0, 5700.0, 5391.0, 5701.0, 5273.0, 5634.0, 5494.0, 5279.0, 5707.0, 5559.0, 5430.0, 5264.0, 5719.0, 5632.0, 5435.0, 5357.0, 5407.0, 5378.0, 5333.0, 5400.0, 5705.0, 5446.0, 5386.0, 5328.0 (number of hits: 6) |
| 5 | 5510.0 | 9 | 1.0 | 333 | 1 | 5689.0, 5273.0, 5584.0, 5440.0, 5698.0, 5577.0, 5672.0, 5258.0, 5647.0, 5365.0, 5424.0, 5453.0, 5536.0, 5414.0, 5685.0, 5373.0, 5521.0, 5430.0, 5556.0, 5353.0, 5626.0, 5644.0, 5346.0, 5420.0, 5387.0, 5486.0, 5633.0, 5594.0, 5350.0, 5360.0, 5275.0, 5569.0, 5664.0, 5399.0, 5645.0, 5501.0, 5533.0, 5615.0, 5334.0, 5694.0, 5564.0, 5359.0, 5372.0, 5449.0, 5279.0, 5296.0, 5442.0, 5291.0, 5650.0, 5471.0, 5299.0, 5362.0, 5410.0, 5530.0, 5580.0, 5543.0, 5272.0, 5307.0, 5598.0, 5479.0, 5635.0, 5634.0, 5351.0, 5480.0, 5509.0, 5277.0, 5409.0, 5603.0, 5402.0, 5670.0, 5396.0, 5681.0, 5331.0, 5310.0, 5262.0, 5619.0, 5487.0, 5447.0, 5355.0, 5450.0, 5587.0, 5659.0, 5305.0, 5364.0, 5641.0, 5468.0, 5267.0, 5378.0, 5476.0, 5270.0, 5519.0, 5411.0, 5488.0, 5451.0, 5600.0, 5675.0, 5687.0, 5563.0, 5415.0, 5271.0 (number of hits: 4) |
| 6 | 5510.0 | 9 | 1.0 | 333 | 1 | 5315.0, 5286.0, 5445.0, 5557.0, 5271.0, 5401.0, 5311.0, 5471.0, 5680.0, 5330.0, 5658.0, 5267.0, 5472.0, 5663.0, 5561.0, 5612.0, 5479.0, 5253.0, 5254.0, 5258.0, 5502.0, 5702.0, 5447.0, 5456.0, 5538.0, 5700.0, 5443.0, 5371.0, 5435.0, 5664.0, 5524.0, 5515.0, 5706.0, 5287.0, 5506.0, 5424.0, 5367.0, 5362.0, 5428.0, 5719.0, 5418.0, 5251.0, 5492.0, 5647.0, 5685.0, 5257.0, 5477.0, 5280.0, 5331.0, 5687.0, 5482.0, 5613.0, 5684.0, 5566.0, 5572.0 |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5436.0, 5300.0, 5328.0, 5358.0, 5442.0, 5313.0, 5306.0, 5619.0, 5633.0, 5533.0, 5691.0, 5420.0, 5568.0, 5319.0, 5535.0, 5378.0, 5335.0, 5292.0, 5490.0, 5369.0, 5657.0, 5688.0, 5334.0, 5350.0, 5289.0, 5402.0, 5659.0, 5583.0, 5654.0, 5411.0, 5629.0, 5357.0, 5694.0, 5386.0, 5610.0, 5642.0, 5444.0, 5528.0, 5455.0, 5591.0, 5573.0, 5494.0, 5632.0, 5703.0, 5525.0 (number of hits: 7) |
| 7 | 5510.0 | 9 | 1.0 | 333 | 1 | 5300.0, 5611.0, 5508.0, 5314.0, 5309.0, 5663.0, 5464.0, 5373.0, 5478.0, 5549.0, 5388.0, 5570.0, 5363.0, 5320.0, 5702.0, 5415.0, 5330.0, 5695.0, 5370.0, 5664.0, 5466.0, 5421.0, 5255.0, 5542.0, 5635.0, 5709.0, 5586.0, 5697.0, 5448.0, 5577.0, 5460.0, 5671.0, 5684.0, 5261.0, 5534.0, 5423.0, 5474.0, 5313.0, 5701.0, 5285.0, 5323.0, 5477.0, 5354.0, 5407.0, 5654.0, 5686.0, 5561.0, 5361.0, 5350.0, 5683.0, 5703.0, 5442.0, 5634.0, 5710.0, 5704.0, 5418.0, 5252.0, 5503.0, 5512.0, 5343.0, 5444.0, 5677.0, 5319.0, 5381.0, 5539.0, 5412.0, 5486.0, 5331.0, 5572.0, 5267.0, 5659.0, 5558.0, 5638.0, 5377.0, 5557.0, 5706.0, 5525.0, 5530.0, 5457.0, 5578.0, 5322.0, 5526.0, 5538.0, 5436.0, 5680.0, 5437.0, 5450.0, 5513.0, 5428.0, 5345.0, 5587.0, 5485.0, 5514.0, 5627.0, 5641.0, 5494.0, 5292.0, 5357.0, 5359.0, 5276.0 (number of hits: 8) |
| 8 | 5510.0 | 9 | 1.0 | 333 | 1 | 5317.0, 5302.0, 5372.0, 5645.0, 5330.0, 5547.0, 5563.0, 5423.0, 5558.0, 5460.0, 5524.0, 5386.0, 5281.0, 5684.0, 5657.0, 5661.0, 5588.0, 5681.0, 5395.0, 5534.0, 5355.0, 5633.0, 5587.0, 5561.0, 5438.0, 5348.0, 5653.0, 5596.0, 5541.0, 5488.0, 5376.0, 5268.0, 5497.0, 5494.0, 5552.0, 5299.0, 5347.0, 5434.0, 5550.0, 5451.0, 5428.0, 5363.0, 5368.0, 5431.0, 5662.0, 5383.0, 5325.0, 5335.0, 5676.0, 5539.0, 5654.0, 5664.0, 5632.0, 5313.0, 5620.0, 5272.0, 5699.0, 5381.0, 5569.0, 5445.0, 5604.0, 5396.0, 5519.0, 5629.0, 5256.0, 5277.0, 5643.0, 5288.0, 5252.0, 5295.0, 5265.0, 5471.0, 5532.0, 5658.0, 5520.0, 5579.0, 5602.0, 5619.0, 5374.0, 5530.0, 5294.0, 5334.0, 5672.0, 5482.0, 5510.0, 5584.0, 5370.0, 5447.0, 5443.0, 5575.0, 5280.0, 5548.0, 5673.0, 5436.0, 5590.0, 5594.0, 5608.0, 5600.0, 5474.0, 5591.0 (number of hits: 6) |
| 9 | 5510.0 | 9 | 1.0 | 333 | 1 | 5275.0, 5253.0, 5580.0, 5462.0, 5338.0, 5610.0, 5496.0, 5411.0, 5373.0, 5364.0, 5281.0, 5423.0, 5626.0, 5445.0, 5451.0, 5384.0, 5721.0, 5420.0, 5449.0, 5509.0, 5262.0, 5605.0, 5581.0, 5304.0, 5639.0, 5333.0, 5625.0, 5382.0, 5600.0, 5381.0, 5428.0, 5664.0, 5653.0, 5409.0, 5402.0, 5432.0, 5629.0, 5712.0, 5311.0, 5263.0, 5540.0, 5361.0, 5376.0, 5429.0, 5472.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5467.0, 5640.0, 5553.0, 5488.0, 5606.0, 5471.0, 5334.0, 5293.0, 5318.0, 5497.0, 5658.0, 5583.0, 5425.0, 5258.0, 5644.0, 5339.0, 5594.0, 5567.0, 5575.0, 5679.0, 5706.0, 5342.0, 5326.0, 5577.0, 5510.0, 5621.0, 5560.0, 5369.0, 5349.0, 5654.0, 5418.0, 5336.0, 5447.0, 5424.0, 5690.0, 5358.0, 5696.0, 5416.0, 5649.0, 5284.0, 5522.0, 5365.0, 5265.0, 5662.0, 5341.0, 5454.0, 5327.0, 5701.0, 5470.0, 5638.0, 5579.0, 5524.0, 5332.0, 5588.0, 5532.0 (number of hits: 6) |
| 10 | 5510.0 | 9 | 1.0 | 333 | 1 | 5667.0, 5375.0, 5365.0, 5384.0, 5571.0, 5460.0, 5664.0, 5420.0, 5588.0, 5332.0, 5689.0, 5619.0, 5360.0, 5367.0, 5599.0, 5323.0, 5253.0, 5431.0, 5405.0, 5637.0, 5321.0, 5276.0, 5309.0, 5666.0, 5677.0, 5532.0, 5534.0, 5691.0, 5478.0, 5252.0, 5407.0, 5524.0, 5517.0, 5480.0, 5492.0, 5497.0, 5483.0, 5577.0, 5721.0, 5623.0, 5254.0, 5388.0, 5421.0, 5373.0, 5681.0, 5372.0, 5592.0, 5546.0, 5656.0, 5639.0, 5398.0, 5533.0, 5336.0, 5445.0, 5313.0, 5427.0, 5256.0, 5482.0, 5255.0, 5496.0, 5419.0, 5645.0, 5262.0, 5668.0, 5362.0, 5294.0, 5401.0, 5531.0, 5417.0, 5707.0, 5324.0, 5565.0, 5350.0, 5444.0, 5434.0, 5393.0, 5450.0, 5357.0, 5414.0, 5695.0, 5525.0, 5300.0, 5579.0, 5555.0, 5260.0, 5416.0, 5488.0, 5302.0, 5400.0, 5425.0, 5451.0, 5560.0, 5395.0, 5485.0, 5274.0, 5603.0, 5448.0, 5464.0, 5715.0, 5572.0 (number of hits: 6) |
| 11 | 5510.0 | 9 | 1.0 | 333 | 1 | 5605.0, 5388.0, 5590.0, 5290.0, 5554.0, 5384.0, 5612.0, 5273.0, 5368.0, 5719.0, 5666.0, 5523.0, 5301.0, 5426.0, 5274.0, 5614.0, 5295.0, 5697.0, 5467.0, 5411.0, 5264.0, 5418.0, 5638.0, 5487.0, 5500.0, 5630.0, 5266.0, 5300.0, 5548.0, 5268.0, 5723.0, 5615.0, 5577.0, 5550.0, 5448.0, 5599.0, 5686.0, 5643.0, 5436.0, 5428.0, 5685.0, 5706.0, 5562.0, 5352.0, 5588.0, 5396.0, 5425.0, 5322.0, 5440.0, 5479.0, 5475.0, 5283.0, 5431.0, 5294.0, 5512.0, 5416.0, 5513.0, 5714.0, 5646.0, 5674.0, 5441.0, 5680.0, 5571.0, 5401.0, 5364.0, 5490.0, 5675.0, 5606.0, 5508.0, 5257.0, 5511.0, 5618.0, 5470.0, 5688.0, 5485.0, 5542.0, 5309.0, 5430.0, 5433.0, 5499.0, 5421.0, 5458.0, 5271.0, 5711.0, 5398.0, 5506.0, 5335.0, 5359.0, 5261.0, 5591.0, 5278.0, 5645.0, 5576.0, 5449.0, 5486.0, 5510.0, 5259.0, 5468.0, 5437.0, 5704.0 (number of hits: 9) |
| 12 | 5510.0 | 9 | 1.0 | 333 | 1 | 5272.0, 5591.0, 5346.0, 5695.0, 5575.0, 5434.0, 5635.0, 5482.0, 5650.0, 5582.0, 5631.0, 5665.0, 5340.0, 5604.0, 5488.0, 5308.0, 5568.0, 5481.0, 5424.0, 5585.0, 5406.0, 5466.0, 5403.0, 5645.0, 5455.0, 5507.0, 5677.0, 5606.0, 5266.0, 5510.0, 5417.0, 5527.0, 5661.0, 5492.0, 5339.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5518.0, 5528.0, 5420.0, 5344.0, 5580.0, 5709.0, 5291.0, 5323.0, 5615.0, 5425.0, 5394.0, 5307.0, 5693.0, 5380.0, 5258.0, 5418.0, 5313.0, 5321.0, 5662.0, 5595.0, 5343.0, 5666.0, 5566.0, 5625.0, 5586.0, 5375.0, 5688.0, 5301.0, 5576.0, 5458.0, 5251.0, 5597.0, 5464.0, 5409.0, 5587.0, 5462.0, 5294.0, 5441.0, 5717.0, 5463.0, 5288.0, 5345.0, 5664.0, 5298.0, 5603.0, 5552.0, 5460.0, 5476.0, 5720.0, 5703.0, 5404.0, 5263.0, 5451.0, 5553.0, 5697.0, 5428.0, 5636.0, 5357.0, 5473.0, 5523.0, 5289.0, 5469.0, 5383.0, 5348.0, 5433.0 (number of hits: 6) |
| 13 | 5510.0 | 9 | 1.0 | 333 | 1 | 5427.0, 5557.0, 5715.0, 5443.0, 5411.0, 5372.0, 5654.0, 5325.0, 5488.0, 5462.0, 5564.0, 5603.0, 5466.0, 5647.0, 5358.0, 5708.0, 5622.0, 5660.0, 5626.0, 5509.0, 5444.0, 5294.0, 5468.0, 5390.0, 5397.0, 5452.0, 5641.0, 5436.0, 5433.0, 5547.0, 5592.0, 5575.0, 5481.0, 5329.0, 5512.0, 5560.0, 5610.0, 5689.0, 5506.0, 5572.0, 5591.0, 5685.0, 5321.0, 5393.0, 5377.0, 5627.0, 5537.0, 5304.0, 5636.0, 5463.0, 5678.0, 5649.0, 5687.0, 5308.0, 5296.0, 5476.0, 5713.0, 5350.0, 5587.0, 5683.0, 5545.0, 5551.0, 5322.0, 5252.0, 5295.0, 5677.0, 5422.0, 5664.0, 5277.0, 5418.0, 5624.0, 5435.0, 5605.0, 5334.0, 5356.0, 5542.0, 5396.0, 5502.0, 5608.0, 5440.0, 5428.0, 5259.0, 5675.0, 5510.0, 5548.0, 5491.0, 5595.0, 5578.0, 5712.0, 5409.0, 5640.0, 5541.0, 5351.0, 5297.0, 5375.0, 5596.0, 5408.0, 5521.0, 5266.0, 5265.0 (number of hits: 6) |
| 14 | 5510.0 | 9 | 1.0 | 333 | 1 | 5313.0, 5346.0, 5573.0, 5358.0, 5468.0, 5613.0, 5337.0, 5473.0, 5481.0, 5694.0, 5543.0, 5724.0, 5401.0, 5670.0, 5622.0, 5402.0, 5391.0, 5710.0, 5366.0, 5513.0, 5449.0, 5693.0, 5268.0, 5559.0, 5687.0, 5672.0, 5638.0, 5595.0, 5553.0, 5711.0, 5369.0, 5410.0, 5631.0, 5662.0, 5684.0, 5419.0, 5704.0, 5267.0, 5665.0, 5351.0, 5593.0, 5647.0, 5678.0, 5564.0, 5689.0, 5621.0, 5258.0, 5349.0, 5343.0, 5508.0, 5561.0, 5635.0, 5300.0, 5272.0, 5348.0, 5692.0, 5436.0, 5411.0, 5589.0, 5465.0, 5321.0, 5342.0, 5472.0, 5283.0, 5431.0, 5590.0, 5334.0, 5394.0, 5467.0, 5389.0, 5424.0, 5602.0, 5339.0, 5340.0, 5661.0, 5652.0, 5580.0, 5496.0, 5390.0, 5531.0, 5676.0, 5485.0, 5423.0, 5301.0, 5718.0, 5667.0, 5375.0, 5265.0, 5522.0, 5445.0, 5696.0, 5320.0, 5399.0, 5545.0, 5633.0, 5596.0, 5642.0, 5376.0, 5398.0, 5518.0 (number of hits: 5) |
| 15 | 5510.0 | 9 | 1.0 | 333 | 1 | 5487.0, 5271.0, 5615.0, 5456.0, 5419.0, 5567.0, 5512.0, 5650.0, 5340.0, 5551.0, 5574.0, 5638.0, 5388.0, 5366.0, 5510.0, 5364.0, 5452.0, 5449.0, 5372.0, 5298.0, 5649.0, 5386.0, 5538.0, 5252.0, 5709.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5319.0, 5359.0, 5327.0, 5439.0, 5703.0, 5622.0, 5718.0, 5686.0, 5529.0, 5648.0, 5651.0, 5485.0, 5430.0, 5614.0, 5417.0, 5610.0, 5426.0, 5637.0, 5424.0, 5258.0, 5448.0, 5674.0, 5338.0, 5707.0, 5609.0, 5263.0, 5458.0, 5585.0, 5312.0, 5657.0, 5272.0, 5373.0, 5484.0, 5656.0, 5556.0, 5441.0, 5612.0, 5444.0, 5278.0, 5334.0, 5460.0, 5481.0, 5613.0, 5463.0, 5311.0, 5446.0, 5535.0, 5618.0, 5639.0, 5520.0, 5636.0, 5506.0, 5341.0, 5570.0, 5345.0, 5273.0, 5320.0, 5667.0, 5542.0, 5505.0, 5274.0, 5658.0, 5719.0, 5464.0, 5575.0, 5299.0, 5680.0, 5669.0, 5694.0, 5468.0, 5500.0, 5502.0, 5611.0, 5289.0, 5626.0 (number of hits: 7) |
| 16 | 5510.0 | 9 | 1.0 | 333 | 1 | 5710.0, 5663.0, 5711.0, 5416.0, 5621.0, 5466.0, 5455.0, 5500.0, 5307.0, 5426.0, 5406.0, 5352.0, 5583.0, 5652.0, 5532.0, 5478.0, 5281.0, 5470.0, 5679.0, 5380.0, 5595.0, 5344.0, 5351.0, 5261.0, 5326.0, 5502.0, 5485.0, 5602.0, 5629.0, 5682.0, 5394.0, 5512.0, 5712.0, 5574.0, 5469.0, 5693.0, 5434.0, 5717.0, 5376.0, 5564.0, 5431.0, 5510.0, 5553.0, 5452.0, 5408.0, 5327.0, 5336.0, 5306.0, 5505.0, 5628.0, 5414.0, 5418.0, 5360.0, 5668.0, 5639.0, 5323.0, 5592.0, 5442.0, 5530.0, 5515.0, 5603.0, 5341.0, 5262.0, 5439.0, 5349.0, 5686.0, 5561.0, 5631.0, 5653.0, 5325.0, 5257.0, 5356.0, 5580.0, 5359.0, 5481.0, 5594.0, 5399.0, 5303.0, 5613.0, 5571.0, 5279.0, 5350.0, 5319.0, 5568.0, 5428.0, 5635.0, 5427.0, 5310.0, 5391.0, 5588.0, 5290.0, 5713.0, 5681.0, 5433.0, 5254.0, 5546.0, 5448.0, 5490.0, 5280.0, 5368.0 (number of hits: 6) |
| 17 | 5510.0 | 9 | 1.0 | 333 | 1 | 5584.0, 5687.0, 5561.0, 5312.0, 5620.0, 5516.0, 5502.0, 5369.0, 5326.0, 5476.0, 5492.0, 5591.0, 5538.0, 5482.0, 5468.0, 5671.0, 5583.0, 5269.0, 5712.0, 5629.0, 5618.0, 5588.0, 5537.0, 5412.0, 5510.0, 5418.0, 5597.0, 5499.0, 5689.0, 5407.0, 5431.0, 5391.0, 5365.0, 5270.0, 5478.0, 5496.0, 5254.0, 5551.0, 5384.0, 5569.0, 5575.0, 5702.0, 5706.0, 5595.0, 5471.0, 5652.0, 5292.0, 5645.0, 5554.0, 5362.0, 5688.0, 5701.0, 5486.0, 5299.0, 5469.0, 5599.0, 5615.0, 5414.0, 5543.0, 5475.0, 5611.0, 5286.0, 5450.0, 5479.0, 5274.0, 5557.0, 5363.0, 5417.0, 5385.0, 5459.0, 5508.0, 5694.0, 5376.0, 5556.0, 5330.0, 5644.0, 5485.0, 5503.0, 5284.0, 5540.0, 5631.0, 5446.0, 5340.0, 5565.0, 5647.0, 5302.0, 5315.0, 5670.0, 5466.0, 5612.0, 5291.0, 5370.0, 5577.0, 5525.0, 5264.0, 5655.0, 5703.0, 5521.0, 5372.0, 5666.0 (number of hits: 10) |
| 18 | 5510.0 | 9 | 1.0 | 333 | 1 | 5676.0, 5384.0, 5432.0, 5666.0, 5479.0, 5440.0, 5486.0, 5337.0, 5414.0, 5699.0, 5382.0, 5528.0, 5550.0, 5433.0, 5284.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| | | | | | | 5377.0, 5303.0, 5292.0, 5536.0, 5373.0, 5426.0, 5702.0, 5412.0, 5326.0, 5365.0, 5682.0, 5709.0, 5555.0, 5467.0, 5649.0, 5416.0, 5461.0, 5274.0, 5380.0, 5624.0, 5334.0, 5720.0, 5631.0, 5515.0, 5489.0, 5710.0, 5309.0, 5393.0, 5724.0, 5496.0, 5718.0, 5254.0, 5691.0, 5375.0, 5508.0, 5504.0, 5614.0, 5639.0, 5641.0, 5419.0, 5453.0, 5436.0, 5653.0, 5430.0, 5635.0, 5539.0, 5618.0, 5408.0, 5472.0, 5422.0, 5455.0, 5265.0, 5421.0, 5559.0, 5689.0, 5570.0, 5349.0, 5514.0, 5275.0, 5616.0, 5395.0, 5698.0, 5558.0, 5642.0, 5253.0, 5431.0, 5389.0, 5509.0, 5630.0, 5450.0, 5670.0, 5281.0, 5379.0, 5634.0, 5424.0, 5636.0, 5547.0, 5369.0, 5314.0, 5439.0, 5647.0, 5451.0, 5533.0, 5663.0, 5535.0 (number of hits: 6) |
| 19 | 5510.0 | 9 | 1.0 | 333 | 1 | 5254.0, 5359.0, 5322.0, 5522.0, 5552.0, 5577.0, 5404.0, 5302.0, 5335.0, 5344.0, 5506.0, 5353.0, 5710.0, 5297.0, 5430.0, 5602.0, 5588.0, 5364.0, 5671.0, 5358.0, 5687.0, 5640.0, 5625.0, 5559.0, 5702.0, 5472.0, 5619.0, 5649.0, 5695.0, 5432.0, 5320.0, 5454.0, 5637.0, 5446.0, 5700.0, 5436.0, 5553.0, 5591.0, 5300.0, 5451.0, 5673.0, 5699.0, 5573.0, 5415.0, 5473.0, 5526.0, 5326.0, 5707.0, 5290.0, 5453.0, 5705.0, 5449.0, 5375.0, 5575.0, 5520.0, 5283.0, 5682.0, 5624.0, 5373.0, 5652.0, 5630.0, 5356.0, 5623.0, 5258.0, 5628.0, 5275.0, 5425.0, 5724.0, 5467.0, 5594.0, 5622.0, 5613.0, 5352.0, 5337.0, 5583.0, 5582.0, 5325.0, 5269.0, 5251.0, 5340.0, 5379.0, 5354.0, 5596.0, 5276.0, 5313.0, 5450.0, 5256.0, 5542.0, 5299.0, 5514.0, 5614.0, 5709.0, 5312.0, 5510.0, 5321.0, 5544.0, 5357.0, 5645.0, 5484.0, 5429.0 (number of hits: 6) |
| 20 | 5510.0 | 9 | 1.0 | 333 | 1 | 5582.0, 5382.0, 5587.0, 5523.0, 5399.0, 5672.0, 5412.0, 5497.0, 5686.0, 5389.0, 5559.0, 5608.0, 5508.0, 5482.0, 5578.0, 5484.0, 5522.0, 5434.0, 5719.0, 5641.0, 5359.0, 5663.0, 5315.0, 5278.0, 5421.0, 5343.0, 5598.0, 5580.0, 5524.0, 5285.0, 5280.0, 5675.0, 5444.0, 5405.0, 5662.0, 5441.0, 5509.0, 5329.0, 5458.0, 5350.0, 5372.0, 5555.0, 5622.0, 5332.0, 5594.0, 5414.0, 5682.0, 5650.0, 5625.0, 5494.0, 5448.0, 5466.0, 5527.0, 5402.0, 5299.0, 5712.0, 5647.0, 5361.0, 5486.0, 5690.0, 5708.0, 5301.0, 5711.0, 5507.0, 5312.0, 5384.0, 5255.0, 5602.0, 5720.0, 5298.0, 5423.0, 5519.0, 5592.0, 5289.0, 5548.0, 5261.0, 5381.0, 5336.0, 5395.0, 5496.0, 5295.0, 5344.0, 5532.0, 5378.0, 5377.0, 5333.0, 5284.0, 5326.0, 5438.0, 5267.0, 5549.0, 5699.0, 5562.0, 5303.0, 5566.0, 5429.0, 5291.0, 5366.0, 5287.0, 5391.0 (number of hits: 11) |
| 21 | 5510.0 | 9 | 1.0 | 333 | 1 | 5512.0, 5479.0, 5584.0, 5441.0, 5671.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5688.0, 5623.0, 5705.0, 5519.0, 5426.0, 5286.0, 5285.0, 5609.0, 5411.0, 5335.0, 5489.0, 5308.0, 5638.0, 5256.0, 5428.0, 5523.0, 5598.0, 5720.0, 5323.0, 5646.0, 5424.0, 5446.0, 5438.0, 5542.0, 5406.0, 5498.0, 5408.0, 5567.0, 5448.0, 5306.0, 5625.0, 5332.0, 5462.0, 5366.0, 5552.0, 5470.0, 5310.0, 5724.0, 5513.0, 5463.0, 5683.0, 5298.0, 5524.0, 5443.0, 5398.0, 5483.0, 5580.0, 5396.0, 5384.0, 5500.0, 5719.0, 5499.0, 5270.0, 5419.0, 5535.0, 5316.0, 5572.0, 5305.0, 5612.0, 5651.0, 5351.0, 5296.0, 5607.0, 5356.0, 5333.0, 5510.0, 5670.0, 5672.0, 5601.0, 5258.0, 5566.0, 5365.0, 5532.0, 5376.0, 5403.0, 5416.0, 5252.0, 5378.0, 5309.0, 5277.0, 5718.0, 5714.0, 5268.0, 5327.0, 5288.0, 5560.0, 5556.0, 5534.0, 5445.0, 5320.0, 5409.0, 5585.0, 5349.0, 5548.0, 5364.0 (number of hits: 9) |
| 22 | 5510.0 | 9 | 1.0 | 333 | 1 | 5487.0, 5532.0, 5498.0, 5254.0, 5407.0, 5373.0, 5615.0, 5490.0, 5339.0, 5330.0, 5558.0, 5686.0, 5653.0, 5682.0, 5357.0, 5353.0, 5648.0, 5607.0, 5601.0, 5405.0, 5283.0, 5304.0, 5447.0, 5575.0, 5473.0, 5362.0, 5348.0, 5329.0, 5376.0, 5355.0, 5523.0, 5592.0, 5649.0, 5692.0, 5483.0, 5538.0, 5707.0, 5643.0, 5430.0, 5404.0, 5593.0, 5480.0, 5336.0, 5346.0, 5379.0, 5638.0, 5322.0, 5580.0, 5603.0, 5679.0, 5331.0, 5639.0, 5549.0, 5499.0, 5482.0, 5332.0, 5571.0, 5321.0, 5684.0, 5478.0, 5529.0, 5257.0, 5268.0, 5628.0, 5398.0, 5397.0, 5394.0, 5388.0, 5479.0, 5454.0, 5625.0, 5367.0, 5720.0, 5486.0, 5306.0, 5437.0, 5399.0, 5436.0, 5295.0, 5294.0, 5714.0, 5389.0, 5340.0, 5674.0, 5611.0, 5461.0, 5262.0, 5299.0, 5582.0, 5614.0, 5382.0, 5507.0, 5699.0, 5576.0, 5416.0, 5328.0, 5524.0, 5401.0, 5569.0, 5281.0 (number of hits: 5) |
| 23 | 5510.0 | 9 | 1.0 | 333 | 1 | 5649.0, 5497.0, 5681.0, 5419.0, 5555.0, 5718.0, 5563.0, 5562.0, 5558.0, 5448.0, 5513.0, 5413.0, 5580.0, 5440.0, 5696.0, 5710.0, 5680.0, 5567.0, 5717.0, 5432.0, 5500.0, 5625.0, 5471.0, 5540.0, 5715.0, 5629.0, 5501.0, 5494.0, 5252.0, 5528.0, 5721.0, 5476.0, 5672.0, 5600.0, 5554.0, 5628.0, 5646.0, 5499.0, 5441.0, 5359.0, 5348.0, 5453.0, 5425.0, 5683.0, 5524.0, 5692.0, 5510.0, 5586.0, 5376.0, 5665.0, 5335.0, 5287.0, 5589.0, 5372.0, 5604.0, 5489.0, 5664.0, 5347.0, 5385.0, 5575.0, 5388.0, 5326.0, 5485.0, 5474.0, 5590.0, 5375.0, 5295.0, 5428.0, 5573.0, 5327.0, 5461.0, 5670.0, 5707.0, 5341.0, 5412.0, 5473.0, 5297.0, 5653.0, 5436.0, 5652.0, 5439.0, 5277.0, 5682.0, 5702.0, 5636.0, 5264.0, 5393.0, 5714.0, 5659.0, 5339.0, 5654.0, 5465.0, 5361.0, 5408.0, 5679.0, 5317.0, 5316.0, 5431.0, 5550.0, 5466.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| | | | | | | (number of hits: 8) |
| 24 | 5510.0 | 9 | 1.0 | 333 | 1 | 5552.0, 5384.0, 5347.0, 5318.0, 5494.0, 5372.0, 5679.0, 5507.0, 5694.0, 5582.0, 5445.0, 5520.0, 5439.0, 5381.0, 5610.0, 5282.0, 5698.0, 5595.0, 5676.0, 5533.0, 5409.0, 5467.0, 5452.0, 5560.0, 5453.0, 5526.0, 5596.0, 5397.0, 5273.0, 5706.0, 5631.0, 5400.0, 5358.0, 5499.0, 5604.0, 5471.0, 5447.0, 5570.0, 5369.0, 5695.0, 5424.0, 5301.0, 5686.0, 5259.0, 5393.0, 5715.0, 5648.0, 5547.0, 5664.0, 5332.0, 5624.0, 5477.0, 5479.0, 5300.0, 5609.0, 5258.0, 5717.0, 5666.0, 5383.0, 5585.0, 5408.0, 5723.0, 5521.0, 5625.0, 5370.0, 5315.0, 5297.0, 5614.0, 5406.0, 5577.0, 5672.0, 5469.0, 5326.0, 5411.0, 5304.0, 5602.0, 5650.0, 5253.0, 5711.0, 5620.0, 5565.0, 5272.0, 5335.0, 5360.0, 5719.0, 5591.0, 5290.0, 5421.0, 5323.0, 5378.0, 5663.0, 5567.0, 5474.0, 5687.0, 5325.0, 5460.0, 5549.0, 5495.0, 5266.0, 5357.0 |
| | | | | | | (number of hits: 7) |
| 25 | 5510.0 | 9 | 1.0 | 333 | 1 | 5375.0, 5608.0, 5312.0, 5362.0, 5371.0, 5706.0, 5441.0, 5516.0, 5549.0, 5680.0, 5488.0, 5561.0, 5473.0, 5626.0, 5329.0, 5447.0, 5587.0, 5624.0, 5359.0, 5471.0, 5598.0, 5509.0, 5550.0, 5305.0, 5720.0, 5714.0, 5688.0, 5334.0, 5540.0, 5510.0, 5422.0, 5458.0, 5657.0, 5691.0, 5659.0, 5360.0, 5435.0, 5639.0, 5383.0, 5591.0, 5507.0, 5664.0, 5256.0, 5499.0, 5682.0, 5546.0, 5707.0, 5262.0, 5321.0, 5475.0, 5556.0, 5445.0, 5643.0, 5389.0, 5421.0, 5715.0, 5300.0, 5497.0, 5464.0, 5535.0, 5500.0, 5419.0, 5284.0, 5679.0, 5382.0, 5649.0, 5313.0, 5368.0, 5559.0, 5324.0, 5487.0, 5465.0, 5580.0, 5611.0, 5542.0, 5272.0, 5670.0, 5545.0, 5322.0, 5625.0, 5385.0, 5348.0, 5565.0, 5489.0, 5333.0, 5589.0, 5408.0, 5287.0, 5428.0, 5367.0, 5558.0, 5604.0, 5514.0, 5716.0, 5692.0, 5570.0, 5710.0, 5266.0, 5628.0, 5437.0 |
| | | | | | | (number of hits: 8) |
| 26 | 5510.0 | 9 | 1.0 | 333 | 1 | 5475.0, 5385.0, 5567.0, 5466.0, 5397.0, 5290.0, 5496.0, 5263.0, 5482.0, 5506.0, 5652.0, 5377.0, 5401.0, 5329.0, 5623.0, 5585.0, 5548.0, 5481.0, 5618.0, 5509.0, 5372.0, 5348.0, 5663.0, 5522.0, 5411.0, 5313.0, 5514.0, 5512.0, 5262.0, 5641.0, 5702.0, 5447.0, 5709.0, 5558.0, 5517.0, 5395.0, 5423.0, 5374.0, 5398.0, 5584.0, 5394.0, 5501.0, 5318.0, 5428.0, 5670.0, 5563.0, 5619.0, 5470.0, 5479.0, 5486.0, 5571.0, 5308.0, 5426.0, 5298.0, 5689.0, 5384.0, 5693.0, 5459.0, 5421.0, 5590.0, 5575.0, 5259.0, 5375.0, 5634.0, 5321.0, 5635.0, 5691.0, 5692.0, 5380.0, 5507.0, 5304.0, 5490.0, 5468.0, 5473.0, 5471.0, 5334.0, 5545.0, 5489.0, 5457.0, 5669.0, 5491.0, 5286.0, 5569.0, 5628.0, 5467.0, 5570.0, 5687.0, 5339.0, 5527.0, 5465.0 |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5373.0, 5404.0, 5265.0, 5713.0, 5441.0, 5413.0, 5356.0, 5424.0, 5418.0, 5708.0 (number of hits: 10) |
| 27 | 5510.0 | 9 | 1.0 | 333 | 1 | 5386.0, 5298.0, 5554.0, 5361.0, 5251.0, 5409.0, 5286.0, 5433.0, 5591.0, 5404.0, 5482.0, 5436.0, 5665.0, 5701.0, 5671.0, 5435.0, 5483.0, 5284.0, 5547.0, 5573.0, 5604.0, 5302.0, 5469.0, 5303.0, 5683.0, 5506.0, 5519.0, 5711.0, 5558.0, 5476.0, 5328.0, 5343.0, 5352.0, 5575.0, 5645.0, 5531.0, 5618.0, 5391.0, 5510.0, 5445.0, 5291.0, 5395.0, 5707.0, 5279.0, 5264.0, 5337.0, 5681.0, 5660.0, 5365.0, 5632.0, 5428.0, 5598.0, 5322.0, 5376.0, 5700.0, 5353.0, 5538.0, 5341.0, 5570.0, 5694.0, 5347.0, 5718.0, 5680.0, 5600.0, 5649.0, 5513.0, 5424.0, 5619.0, 5383.0, 5548.0, 5693.0, 5408.0, 5455.0, 5662.0, 5387.0, 5540.0, 5308.0, 5497.0, 5560.0, 5440.0, 5488.0, 5567.0, 5414.0, 5425.0, 5342.0, 5406.0, 5451.0, 5628.0, 5545.0, 5719.0, 5307.0, 5431.0, 5461.0, 5318.0, 5381.0, 5269.0, 5699.0, 5338.0, 5280.0, 5258.0 (number of hits: 5) |
| 28 | 5510.0 | 9 | 1.0 | 333 | 1 | 5692.0, 5348.0, 5639.0, 5521.0, 5505.0, 5357.0, 5513.0, 5605.0, 5669.0, 5655.0, 5445.0, 5421.0, 5297.0, 5276.0, 5429.0, 5392.0, 5663.0, 5323.0, 5495.0, 5339.0, 5617.0, 5654.0, 5314.0, 5679.0, 5265.0, 5540.0, 5343.0, 5563.0, 5338.0, 5650.0, 5552.0, 5616.0, 5410.0, 5520.0, 5474.0, 5656.0, 5580.0, 5721.0, 5389.0, 5290.0, 5708.0, 5559.0, 5543.0, 5414.0, 5632.0, 5682.0, 5712.0, 5648.0, 5257.0, 5585.0, 5302.0, 5481.0, 5352.0, 5716.0, 5483.0, 5627.0, 5433.0, 5403.0, 5442.0, 5269.0, 5346.0, 5318.0, 5425.0, 5402.0, 5572.0, 5319.0, 5327.0, 5447.0, 5393.0, 5693.0, 5385.0, 5436.0, 5698.0, 5364.0, 5275.0, 5486.0, 5273.0, 5723.0, 5620.0, 5526.0, 5409.0, 5449.0, 5683.0, 5547.0, 5609.0, 5588.0, 5647.0, 5515.0, 5476.0, 5324.0, 5635.0, 5493.0, 5270.0, 5562.0, 5250.0, 5717.0, 5646.0, 5564.0, 5406.0, 5489.0 (number of hits: 8) |
| 29 | 5510.0 | 9 | 1.0 | 333 | 1 | 5509.0, 5555.0, 5455.0, 5571.0, 5456.0, 5375.0, 5656.0, 5625.0, 5257.0, 5664.0, 5679.0, 5547.0, 5441.0, 5653.0, 5274.0, 5677.0, 5430.0, 5628.0, 5712.0, 5661.0, 5564.0, 5668.0, 5301.0, 5385.0, 5326.0, 5518.0, 5319.0, 5627.0, 5267.0, 5617.0, 5252.0, 5377.0, 5277.0, 5295.0, 5622.0, 5296.0, 5362.0, 5254.0, 5643.0, 5568.0, 5480.0, 5639.0, 5594.0, 5540.0, 5401.0, 5685.0, 5675.0, 5469.0, 5328.0, 5350.0, 5537.0, 5534.0, 5535.0, 5558.0, 5336.0, 5546.0, 5578.0, 5600.0, 5596.0, 5599.0, 5666.0, 5512.0, 5405.0, 5300.0, 5523.0, 5510.0, 5554.0, 5588.0, 5619.0, 5331.0, 5394.0, 5330.0, 5421.0, 5395.0, 5305.0, 5442.0, 5611.0, 5424.0, 5323.0, 5593.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5570.0, 5437.0, 5485.0, 5399.0, 5447.0, 5415.0, 5429.0, 5318.0, 5382.0, 5715.0, 5428.0, 5490.0, 5465.0, 5494.0, 5311.0, 5652.0, 5364.0, 5640.0, 5438.0, 5608.0 (number of hits: 6) |
| 30 | 5510.0 | 9 | 1.0 | 333 | 1 | 5331.0, 5352.0, 5255.0, 5587.0, 5318.0, 5396.0, 5566.0, 5428.0, 5562.0, 5467.0, 5621.0, 5264.0, 5372.0, 5685.0, 5722.0, 5544.0, 5674.0, 5577.0, 5449.0, 5340.0, 5530.0, 5495.0, 5510.0, 5462.0, 5400.0, 5683.0, 5515.0, 5436.0, 5349.0, 5589.0, 5460.0, 5355.0, 5551.0, 5611.0, 5676.0, 5500.0, 5581.0, 5438.0, 5409.0, 5378.0, 5662.0, 5595.0, 5276.0, 5539.0, 5661.0, 5416.0, 5371.0, 5419.0, 5432.0, 5325.0, 5609.0, 5480.0, 5388.0, 5672.0, 5403.0, 5254.0, 5488.0, 5314.0, 5476.0, 5475.0, 5705.0, 5693.0, 5701.0, 5333.0, 5616.0, 5274.0, 5469.0, 5404.0, 5266.0, 5418.0, 5554.0, 5446.0, 5524.0, 5631.0, 5366.0, 5386.0, 5256.0, 5311.0, 5289.0, 5251.0, 5496.0, 5648.0, 5673.0, 5278.0, 5426.0, 5474.0, 5549.0, 5288.0, 5270.0, 5284.0, 5399.0, 5313.0, 5473.0, 5543.0, 5657.0, 5583.0, 5456.0, 5514.0, 5716.0, 5447.0 (number of hits: 7) |

**AP Mode
Pine Radio****5530 MHz, 80 MHz Bandwidth**

| Radar Signal Type | Waveform/Trial Number | Detection (%) | Limit (%) | Pass/Fail |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| Type 1A/1B | 30 | 100 % | 60% | Pass |
| Type 2 | 30 | 90 % | 60% | Pass |
| Type 3 | 30 | 93.3 % | 60% | Pass |
| Type 4 | 30 | 96.7 % | 60% | Pass |
| Aggregate (Type1 to 4) | 120 | 95 % | 80% | Pass |
| Type 5 | 30 | 100 % | 80% | Pass |
| Type 6 | 30 | 96.7 % | 70% | Pass |

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

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|--|--------------------|--|------------------------------------|------------------------------------|
| 1 | 81 | 1.0 | 658 | 1 |
| 2 | 18 | 1.0 | 3066 | 1 |
| 3 | 78 | 1.0 | 678 | 1 |
| 4 | 68 | 1.0 | 778 | 1 |
| 5 | 76 | 1.0 | 698 | 1 |
| 6 | 83 | 1.0 | 638 | 1 |
| 7 | 63 | 1.0 | 838 | 1 |
| 8 | 72 | 1.0 | 738 | 1 |
| 9 | 89 | 1.0 | 598 | 1 |
| 10 | 86 | 1.0 | 618 | 1 |
| 11 | 65 | 1.0 | 818 | 1 |
| 12 | 62 | 1.0 | 858 | 1 |
| 13 | 59 | 1.0 | 898 | 1 |
| 14 | 70 | 1.0 | 758 | 1 |
| 15 | 95 | 1.0 | 558 | 1 |
| 16 | 28 | 1.0 | 1913 | 1 |
| 17 | 34 | 1.0 | 1563 | 1 |
| 18 | 30 | 1.0 | 1796 | 1 |
| 19 | 20 | 1.0 | 2688 | 1 |
| 20 | 25 | 1.0 | 2182 | 1 |
| 21 | 53 | 1.0 | 1013 | 1 |
| 22 | 27 | 1.0 | 1962 | 1 |
| 23 | 24 | 1.0 | 2256 | 1 |
| 24 | 29 | 1.0 | 1850 | 1 |
| 25 | 21 | 1.0 | 2561 | 1 |
| 26 | 39 | 1.0 | 1365 | 1 |
| 27 | 21 | 1.0 | 2607 | 1 |
| 28 | 55 | 1.0 | 961 | 1 |
| 29 | 23 | 1.0 | 2380 | 1 |
| 30 | 27 | 1.0 | 2020 | 1 |
| Detection Percentage: 100 % (>60%) | | | | |

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 27 | 1.9 | 160 | 1 |
| 2 | 25 | 4.1 | 206 | 1 |
| 3 | 24 | 3.8 | 187 | 1 |
| 4 | 29 | 3.8 | 193 | 1 |
| 5 | 23 | 4.5 | 150 | 1 |
| 6 | 25 | 1.7 | 163 | 0 |
| 7 | 27 | 1.4 | 223 | 1 |
| 8 | 26 | 3.1 | 175 | 1 |
| 9 | 28 | 2.4 | 172 | 1 |
| 10 | 27 | 1.7 | 175 | 1 |
| 11 | 28 | 3.0 | 158 | 1 |
| 12 | 23 | 3.5 | 223 | 0 |
| 13 | 23 | 3.7 | 155 | 1 |
| 14 | 27 | 4.8 | 193 | 1 |
| 15 | 28 | 3.0 | 168 | 1 |
| 16 | 25 | 3.0 | 222 | 1 |
| 17 | 24 | 4.3 | 215 | 1 |
| 18 | 26 | 3.1 | 183 | 1 |
| 19 | 27 | 4.1 | 191 | 1 |
| 20 | 26 | 3.3 | 206 | 1 |
| 21 | 28 | 2.1 | 170 | 1 |
| 22 | 23 | 3.3 | 212 | 1 |
| 23 | 27 | 2.7 | 199 | 1 |
| 24 | 25 | 4.0 | 194 | 1 |
| 25 | 29 | 3.8 | 215 | 1 |
| 26 | 25 | 2.5 | 199 | 0 |
| 27 | 29 | 2.0 | 197 | 1 |
| 28 | 24 | 2.9 | 215 | 1 |
| 29 | 24 | 1.5 | 187 | 1 |
| 30 | 26 | 1.7 | 177 | 1 |
| Detection Percentage: 90 % (>60%) | | | | |

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) |
|---|-------------|------------------|----------|-------------------------|
| 1 | 17 | 8.4 | 385 | 1 |
| 2 | 18 | 7.9 | 342 | 1 |
| 3 | 16 | 6.5 | 257 | 1 |
| 4 | 18 | 8.7 | 263 | 1 |
| 5 | 18 | 9.4 | 325 | 1 |
| 6 | 16 | 7.5 | 456 | 1 |
| 7 | 17 | 8.1 | 293 | 1 |
| 8 | 18 | 8.2 | 278 | 1 |
| 9 | 17 | 8.8 | 399 | 1 |
| 10 | 18 | 9.3 | 453 | 1 |
| 11 | 18 | 6.6 | 414 | 1 |
| 12 | 17 | 8.2 | 305 | 1 |
| 13 | 17 | 6.2 | 341 | 1 |
| 14 | 17 | 8.2 | 350 | 1 |
| 15 | 16 | 7.8 | 202 | 1 |
| 16 | 18 | 6.3 | 265 | 0 |
| 17 | 16 | 8.8 | 343 | 1 |
| 18 | 17 | 9.3 | 480 | 1 |
| 19 | 18 | 7.7 | 333 | 1 |
| 20 | 17 | 9.1 | 317 | 1 |
| 21 | 17 | 7.7 | 298 | 1 |
| 22 | 16 | 6.6 | 493 | 0 |
| 23 | 18 | 7.8 | 245 | 1 |
| 24 | 16 | 7.3 | 496 | 1 |
| 25 | 16 | 7.8 | 241 | 1 |
| 26 | 18 | 8.1 | 428 | 1 |
| 27 | 18 | 9.1 | 361 | 1 |
| 28 | 17 | 9.3 | 319 | 1 |
| 29 | 16 | 7.8 | 327 | 1 |
| 30 | 18 | 7.1 | 242 | 1 |
| Detection Percentage: 93.3 % (>60%) | | | | |

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

| Trial # | Pulse/Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) |
|---|-------------|------------------|----------|-------------------------|
| 1 | 15 | 11.0 | 359 | 1 |
| 2 | 13 | 14.9 | 477 | 1 |
| 3 | 15 | 11.3 | 312 | 1 |
| 4 | 12 | 15.7 | 374 | 1 |
| 5 | 15 | 12.0 | 477 | 1 |
| 6 | 16 | 20.0 | 295 | 0 |
| 7 | 12 | 14.9 | 453 | 1 |
| 8 | 15 | 11.3 | 411 | 1 |
| 9 | 13 | 13.1 | 358 | 1 |
| 10 | 16 | 17.4 | 236 | 1 |
| 11 | 16 | 18.7 | 381 | 1 |
| 12 | 14 | 11.2 | 222 | 1 |
| 13 | 14 | 12.1 | 483 | 1 |
| 14 | 14 | 13.0 | 276 | 1 |
| 15 | 15 | 13.7 | 357 | 1 |
| 16 | 15 | 16.0 | 357 | 1 |
| 17 | 12 | 12.1 | 358 | 1 |
| 18 | 15 | 16.3 | 463 | 1 |
| 19 | 16 | 19.5 | 427 | 1 |
| 20 | 15 | 19.8 | 318 | 1 |
| 21 | 16 | 19.1 | 291 | 1 |
| 22 | 13 | 11.4 | 224 | 1 |
| 23 | 13 | 15.8 | 229 | 1 |
| 24 | 12 | 13.3 | 304 | 1 |
| 25 | 15 | 14.7 | 301 | 1 |
| 26 | 16 | 19.9 | 254 | 1 |
| 27 | 15 | 19.8 | 450 | 1 |
| 28 | 16 | 12.9 | 244 | 1 |
| 29 | 12 | 19.4 | 423 | 1 |
| 30 | 14 | 17.2 | 202 | 1 |
| Detection Percentage: 96.7 % (>60%) | | | | |

Table-5 Radar Type 5 Statistical Performance

| Trial # | Fc (MHz) | Detection (1:yes; 0:no) |
|--|-----------------|--------------------------------|
| 1 | 5530 | 1 |
| 2 | 5530 | 1 |
| 3 | 5530 | 1 |
| 4 | 5530 | 1 |
| 5 | 5530 | 1 |
| 6 | 5530 | 1 |
| 7 | 5530 | 1 |
| 8 | 5530 | 1 |
| 9 | 5530 | 1 |
| 10 | 5530 | 1 |
| 11 | 5500.5 | 1 |
| 12 | 5500.1 | 1 |
| 13 | 5495.3 | 1 |
| 14 | 5497.3 | 1 |
| 15 | 5499.3 | 1 |
| 16 | 5494.9 | 1 |
| 17 | 5495.7 | 1 |
| 18 | 5494.9 | 1 |
| 19 | 5500.1 | 1 |
| 20 | 5497.7 | 1 |
| 21 | 5563.1 | 1 |
| 22 | 5561.9 | 1 |
| 23 | 5564.7 | 1 |
| 24 | 5560.3 | 1 |
| 25 | 5562.3 | 1 |
| 26 | 5559.9 | 1 |
| 27 | 5559.5 | 1 |
| 28 | 5563.5 | 1 |
| 29 | 5563.1 | 1 |
| 30 | 5562.3 | 1 |
| Detection Percentage: 100 % (>80%) | | |

Bin5 Statistics 1

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 11 | 50.2 | 1826 | 1825 | 0.615897 | 1 |
| 1 | 2 | 11 | 70.7 | 1783 | | 1.088896 | |
| 2 | 3 | 11 | 93.6 | 1464 | 1601 | 1.891678 | |
| 3 | 3 | 11 | 76.2 | 1831 | 1442 | 2.123364 | |
| 4 | 1 | 11 | 77.7 | | | 3.057859 | |
| 5 | 1 | 11 | 76.7 | | | 3.376312 | |
| 6 | 1 | 11 | 62.9 | | | 4.490643 | |
| 7 | 3 | 11 | 92.5 | 1018 | 1094 | 4.759871 | |
| 8 | 3 | 11 | 57.3 | 1408 | 1896 | 5.557580 | |
| 9 | 2 | 11 | 69.7 | 1988 | | 6.363901 | |
| 10 | 1 | 11 | 68.0 | | | 6.751811 | |
| 11 | 1 | 11 | 75.8 | | | 7.761580 | |
| 12 | 2 | 11 | 67.7 | 1640 | | 8.165234 | |
| 13 | 2 | 11 | 73.2 | 1327 | | 9.142152 | |
| 14 | 2 | 11 | 75.3 | 1443 | | 9.621880 | |
| 15 | 2 | 11 | 79.8 | 1513 | | 10.346350 | |
| 16 | 3 | 11 | 64.2 | 1768 | 1564 | 10.847260 | |
| 17 | 1 | 11 | 63.7 | | | 11.886197 | |

Bin5 Statistics 2

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 10 | 95.9 | | | 0.495259 | 1 |
| 1 | 3 | 10 | 59.8 | 1846 | 1777 | 1.830907 | |
| 2 | 2 | 10 | 82.0 | 1849 | | 2.559272 | |
| 3 | 2 | 10 | 86.8 | 1357 | | 3.762165 | |
| 4 | 3 | 10 | 54.5 | 1836 | 1290 | 5.000962 | |
| 5 | 3 | 10 | 76.4 | 1719 | 1380 | 5.778598 | |
| 6 | 1 | 10 | 77.8 | | | 7.520188 | |
| 7 | 1 | 10 | 69.2 | | | 7.686749 | |
| 8 | 2 | 10 | 80.0 | 1232 | | 8.816877 | |
| 9 | 3 | 10 | 98.8 | 1377 | 1406 | 10.777246 | |
| 10 | 2 | 10 | 93.6 | 1705 | | 11.969024 | |

Bin5 Statistics 3

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 15 | 69.7 | 1204 | 1455 | 0.730750 | 1 |
| 1 | 3 | 15 | 61.3 | 1558 | 1481 | 1.870454 | |
| 2 | 1 | 15 | 73.1 | | | 3.428836 | |
| 3 | 2 | 15 | 95.7 | 1252 | | 5.434542 | |
| 4 | 1 | 15 | 69.4 | | | 7.075242 | |
| 5 | 1 | 15 | 63.2 | | | 7.718335 | |
| 6 | 2 | 15 | 95.8 | 1445 | | 10.297092 | |
| 7 | 2 | 15 | 86.7 | 1421 | | 11.304087 | |

Bin5 Statistics 4

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 6 | 99.2 | 1258 | | 0.633528 | 1 |
| 1 | 1 | 6 | 55.5 | | | 1.085054 | |
| 2 | 1 | 6 | 86.4 | | | 2.127914 | |
| 3 | 3 | 6 | 71.4 | 1540 | 1823 | 3.098855 | |
| 4 | 3 | 6 | 86.6 | 1916 | 1970 | 3.427330 | |
| 5 | 2 | 6 | 62.2 | 1829 | | 4.057404 | |
| 6 | 2 | 6 | 65.5 | 1159 | | 5.392227 | |
| 7 | 2 | 6 | 54.2 | 1756 | | 6.322291 | |
| 8 | 3 | 6 | 74.5 | 1985 | 1933 | 6.567582 | |
| 9 | 3 | 6 | 62.9 | 1647 | 1948 | 7.871108 | |
| 10 | 1 | 6 | 94.7 | | | 8.622425 | |
| 11 | 3 | 6 | 93.6 | 1444 | 1209 | 9.233739 | |
| 12 | 2 | 6 | 97.5 | 1437 | | 10.374781 | |
| 13 | 2 | 6 | 67.0 | 1482 | | 10.578103 | |
| 14 | 3 | 6 | 98.9 | 1705 | 1489 | 11.893337 | |

Bin5 Statistics 5

| 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 | 1 | 8 | 84.1 | | | 0.281392 | 1 |
| 1 | 3 | 8 | 100.0 | 1074 | 1143 | 0.917616 | |
| 2 | 2 | 8 | 67.9 | 1393 | | 1.585064 | |
| 3 | 1 | 8 | 57.9 | | | 2.306095 | |
| 4 | 3 | 8 | 72.9 | 1301 | 1709 | 2.804909 | |
| 5 | 1 | 8 | 67.4 | | | 3.075503 | |
| 6 | 2 | 8 | 81.8 | 1396 | | 3.612152 | |
| 7 | 2 | 8 | 53.4 | 1171 | | 4.542284 | |
| 8 | 1 | 8 | 83.6 | | | 4.983957 | |
| 9 | 1 | 8 | 85.4 | | | 5.401176 | |
| 10 | 3 | 8 | 94.1 | 1787 | 1206 | 6.121369 | |
| 11 | 1 | 8 | 75.7 | | | 7.008036 | |
| 12 | 2 | 8 | 63.4 | 1051 | | 7.636317 | |
| 13 | 3 | 8 | 53.6 | 1118 | 1169 | 7.965192 | |
| 14 | 3 | 8 | 76.2 | 1040 | 1857 | 8.438068 | |
| 15 | 3 | 8 | 53.2 | 1156 | 1089 | 9.575780 | |
| 16 | 3 | 8 | 60.0 | 1254 | 1133 | 9.706556 | |
| 17 | 1 | 8 | 69.8 | | | 10.641861 | |
| 18 | 3 | 8 | 81.4 | 1470 | 1358 | 10.991151 | |
| 19 | 2 | 8 | 52.1 | 1312 | | 11.841012 | |

Bin5 Statistics 6

| 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 | 63.2 | 1051 | | 0.291353 | 1 |
| 1 | 1 | 13 | 70.5 | | | 1.444200 | |
| 2 | 3 | 13 | 55.5 | 1648 | 1406 | 2.029180 | |
| 3 | 1 | 13 | 84.6 | | | 3.082386 | |
| 4 | 3 | 13 | 52.9 | 1534 | 1008 | 3.512484 | |
| 5 | 3 | 13 | 83.0 | 1429 | 1751 | 4.022119 | |
| 6 | 2 | 13 | 80.0 | 1604 | | 4.884789 | |
| 7 | 2 | 13 | 69.5 | 1959 | | 6.056142 | |
| 8 | 2 | 13 | 88.4 | 1796 | | 6.735496 | |
| 9 | 2 | 13 | 89.4 | 1569 | | 7.906995 | |
| 10 | 1 | 13 | 64.0 | | | 8.686861 | |
| 11 | 1 | 13 | 77.7 | | | 9.203748 | |
| 12 | 2 | 13 | 59.8 | 1598 | | 9.946548 | |
| 13 | 1 | 13 | 69.4 | | | 10.618491 | |
| 14 | 2 | 13 | 72.3 | 1466 | | 11.618532 | |

Bin5 Statistics 7

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 11 | 60.7 | 1704 | 1605 | 0.749289 | 1 |
| 1 | 1 | 11 | 70.9 | | | 1.745020 | |
| 2 | 3 | 11 | 87.5 | 1546 | 1942 | 3.644067 | |
| 3 | 2 | 11 | 62.0 | 1300 | | 5.229956 | |
| 4 | 2 | 11 | 89.6 | 1572 | | 5.566150 | |
| 5 | 2 | 11 | 70.7 | 1761 | | 6.718491 | |
| 6 | 2 | 11 | 85.9 | 1563 | | 8.213224 | |
| 7 | 3 | 11 | 57.5 | 1922 | 1191 | 10.381465 | |
| 8 | 3 | 11 | 98.8 | 1796 | 1102 | 11.370422 | |

Bin5 Statistics 8

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 5 | 85.7 | | | 0.572742 | 1 |
| 1 | 3 | 5 | 74.2 | 1865 | 1810 | 0.755196 | |
| 2 | 1 | 5 | 63.1 | | | 1.575985 | |
| 3 | 2 | 5 | 51.5 | 1505 | | 2.368719 | |
| 4 | 3 | 5 | 67.9 | 1641 | 1521 | 2.934568 | |
| 5 | 2 | 5 | 75.9 | 1741 | | 3.610038 | |
| 6 | 2 | 5 | 58.3 | 1263 | | 4.430911 | |
| 7 | 3 | 5 | 84.1 | 1438 | 1184 | 5.320156 | |
| 8 | 2 | 5 | 71.1 | 1091 | | 5.366049 | |
| 9 | 3 | 5 | 74.4 | 1625 | 1718 | 6.167165 | |
| 10 | 3 | 5 | 75.7 | 1581 | 1245 | 7.163296 | |
| 11 | 2 | 5 | 74.3 | 1793 | | 7.598247 | |
| 12 | 3 | 5 | 62.3 | 1774 | 1225 | 8.246929 | |
| 13 | 2 | 5 | 78.6 | 1744 | | 9.281533 | |
| 14 | 1 | 5 | 78.4 | | | 9.549345 | |
| 15 | 2 | 5 | 71.7 | 1107 | | 10.004452 | |
| 16 | 2 | 5 | 60.4 | 1433 | | 11.284588 | |
| 17 | 2 | 5 | 56.8 | 1099 | | 11.574487 | |

Bin5 Statistics 9

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 8 | 71.3 | 1774 | | 0.702337 | 1 |
| 1 | 3 | 8 | 50.8 | 1568 | 1195 | 1.489412 | |
| 2 | 1 | 8 | 92.3 | | | 2.727706 | |
| 3 | 1 | 8 | 58.6 | | | 4.150521 | |
| 4 | 2 | 8 | 55.8 | 1038 | | 5.046279 | |
| 5 | 1 | 8 | 95.3 | | | 6.482399 | |
| 6 | 3 | 8 | 71.0 | 1763 | 1404 | 7.159330 | |
| 7 | 2 | 8 | 77.4 | 1804 | | 8.158428 | |
| 8 | 3 | 8 | 95.8 | 1574 | 1532 | 9.605104 | |
| 9 | 1 | 8 | 61.0 | | | 10.706581 | |
| 10 | 2 | 8 | 75.9 | 1982 | | 11.883228 | |

Bin5 Statistics 10

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 10 | 62.4 | 1503 | | 0.641071 | 1 |
| 1 | 2 | 10 | 74.2 | 1982 | | 2.273352 | |
| 2 | 2 | 10 | 71.6 | 1106 | | 2.947853 | |
| 3 | 2 | 10 | 69.6 | 1443 | | 5.157959 | |
| 4 | 2 | 10 | 56.5 | 1100 | | 5.544047 | |
| 5 | 3 | 10 | 61.2 | 1824 | 1535 | 6.847909 | |
| 6 | 3 | 10 | 80.7 | 1842 | 1728 | 9.071932 | |
| 7 | 1 | 10 | 95.2 | | | 10.218232 | |
| 8 | 1 | 10 | 96.3 | | | 11.184803 | |

Bin5 Statistics 11

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 20 | 77.5 | 1960 | | 0.526248 | 1 |
| 1 | 3 | 20 | 85.7 | 1471 | 1548 | 1.786910 | |
| 2 | 3 | 20 | 96.3 | 1720 | 1524 | 1.949804 | |
| 3 | 2 | 20 | 65.2 | 1014 | | 2.908343 | |
| 4 | 1 | 20 | 73.3 | | | 4.284245 | |
| 5 | 3 | 20 | 97.2 | 1732 | 1312 | 5.476059 | |
| 6 | 1 | 20 | 87.0 | | | 6.428602 | |
| 7 | 1 | 20 | 57.9 | | | 6.575887 | |
| 8 | 2 | 20 | 77.8 | 1352 | | 7.883398 | |
| 9 | 3 | 20 | 70.4 | 1991 | 1198 | 9.185824 | |
| 10 | 1 | 20 | 90.4 | | | 9.247187 | |
| 11 | 2 | 20 | 90.9 | 1469 | | 10.260906 | |
| 12 | 2 | 20 | 94.2 | 1408 | | 11.797878 | |

Bin5 Statistics 12

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 19 | 70.2 | | | 0.190127 | 1 |
| 1 | 3 | 19 | 98.0 | 1053 | 1181 | 2.317611 | |
| 2 | 3 | 19 | 68.8 | 1452 | 1799 | 2.674008 | |
| 3 | 3 | 19 | 91.1 | 1672 | 1637 | 4.154601 | |
| 4 | 2 | 19 | 62.2 | 1164 | | 5.726173 | |
| 5 | 2 | 19 | 90.5 | 1267 | | 7.906752 | |
| 6 | 2 | 19 | 89.9 | 1302 | | 8.599858 | |
| 7 | 1 | 19 | 63.3 | | | 10.550036 | |
| 8 | 2 | 19 | 59.5 | 1846 | | 10.768861 | |

Bin5 Statistics 13

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 7 | 61.5 | 1973 | 1611 | 0.959956 | 1 |
| 1 | 3 | 7 | 71.9 | 1174 | 1716 | 1.363343 | |
| 2 | 2 | 7 | 93.5 | 1253 | | 2.271717 | |
| 3 | 2 | 7 | 95.2 | 1462 | | 3.765170 | |
| 4 | 1 | 7 | 81.5 | | | 5.365024 | |
| 5 | 2 | 7 | 78.1 | 1415 | | 5.888311 | |
| 6 | 3 | 7 | 66.9 | 1786 | 1873 | 7.513136 | |
| 7 | 2 | 7 | 79.7 | 1673 | | 8.067648 | |
| 8 | 1 | 7 | 87.2 | | | 9.054795 | |
| 9 | 2 | 7 | 74.9 | 1569 | | 10.427618 | |
| 10 | 1 | 7 | 64.1 | | | 11.776358 | |

Bin5 Statistics 14

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 12 | 73.0 | 1262 | 1325 | 0.416596 | 1 |
| 1 | 3 | 12 | 82.5 | 1916 | 1963 | 1.051558 | |
| 2 | 2 | 12 | 52.7 | 1783 | | 1.719258 | |
| 3 | 2 | 12 | 66.6 | 1061 | | 1.936318 | |
| 4 | 1 | 12 | 68.7 | | | 3.057441 | |
| 5 | 1 | 12 | 51.7 | | | 3.343016 | |
| 6 | 2 | 12 | 59.7 | 1580 | | 4.120585 | |
| 7 | 2 | 12 | 57.7 | 1729 | | 4.646013 | |
| 8 | 2 | 12 | 88.3 | 1522 | | 5.357384 | |
| 9 | 3 | 12 | 90.9 | 1538 | 1498 | 6.270251 | |
| 10 | 2 | 12 | 74.8 | 1944 | | 6.864392 | |
| 11 | 2 | 12 | 83.9 | 1887 | | 7.030788 | |
| 12 | 2 | 12 | 66.4 | 1524 | | 8.022039 | |
| 13 | 2 | 12 | 79.6 | 1975 | | 8.650331 | |
| 14 | 2 | 12 | 94.0 | 1185 | | 9.005554 | |
| 15 | 3 | 12 | 76.5 | 1662 | 1637 | 10.016750 | |
| 16 | 3 | 12 | 92.8 | 1844 | 1460 | 10.662383 | |
| 17 | 1 | 12 | 71.6 | | | 10.942706 | |
| 18 | 1 | 12 | 70.1 | | | 11.863795 | |

Bin5 Statistics 15

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 17 | 55.8 | | | 0.979023 | 1 |
| 1 | 1 | 17 | 93.3 | | | 1.206065 | |
| 2 | 3 | 17 | 64.9 | 1717 | 1127 | 2.828714 | |
| 3 | 2 | 17 | 75.6 | 1266 | | 4.443642 | |
| 4 | 3 | 17 | 69.1 | 1224 | 1558 | 5.762822 | |
| 5 | 2 | 17 | 92.8 | 1421 | | 6.131258 | |
| 6 | 2 | 17 | 62.4 | 1593 | | 8.001693 | |
| 7 | 2 | 17 | 57.4 | 1381 | | 8.533854 | |
| 8 | 3 | 17 | 88.9 | 1228 | 1652 | 10.206471 | |
| 9 | 2 | 17 | 73.8 | 1769 | | 10.816007 | |

Bin5 Statistics 16

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 6 | 59.1 | | | 0.641787 | 1 |
| 1 | 2 | 6 | 85.6 | 1847 | | 1.164509 | |
| 2 | 3 | 6 | 75.1 | 1192 | 1774 | 2.311016 | |
| 3 | 2 | 6 | 65.3 | 1172 | | 2.510961 | |
| 4 | 1 | 6 | 72.8 | | | 3.320109 | |
| 5 | 2 | 6 | 68.0 | 1056 | | 4.459807 | |
| 6 | 2 | 6 | 50.6 | 1884 | | 5.593488 | |
| 7 | 3 | 6 | 85.4 | 1345 | 1141 | 5.686329 | |
| 8 | 2 | 6 | 55.6 | 1704 | | 6.575824 | |
| 9 | 2 | 6 | 61.4 | 1459 | | 7.686555 | |
| 10 | 2 | 6 | 92.6 | 1069 | | 8.085044 | |
| 11 | 1 | 6 | 96.3 | | | 9.235496 | |
| 12 | 1 | 6 | 73.3 | | | 10.281412 | |
| 13 | 1 | 6 | 52.9 | | | 10.566585 | |
| 14 | 3 | 6 | 70.8 | 1101 | 1618 | 11.564674 | |

Bin5 Statistics 17

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 8 | 78.5 | 1182 | | 0.901272 | 1 |
| 1 | 3 | 8 | 65.6 | 1510 | 1805 | 2.064362 | |
| 2 | 1 | 8 | 90.3 | | | 3.022986 | |
| 3 | 1 | 8 | 93.5 | | | 5.326149 | |
| 4 | 2 | 8 | 70.2 | 1148 | | 6.633341 | |
| 5 | 2 | 8 | 68.9 | 1079 | | 7.175089 | |
| 6 | 2 | 8 | 57.7 | 1003 | | 8.622189 | |
| 7 | 3 | 8 | 81.3 | 1918 | 1624 | 9.780067 | |
| 8 | 2 | 8 | 75.0 | 1977 | | 11.583924 | |

Bin5 Statistics 18

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 6 | 63.0 | 1011 | | 0.082554 | 1 |
| 1 | 2 | 6 | 82.1 | 1878 | | 1.219665 | |
| 2 | 2 | 6 | 53.1 | 1306 | | 1.665677 | |
| 3 | 2 | 6 | 73.7 | 1300 | | 2.324090 | |
| 4 | 1 | 6 | 59.0 | | | 2.913594 | |
| 5 | 2 | 6 | 55.4 | 1028 | | 3.430932 | |
| 6 | 2 | 6 | 79.8 | 1501 | | 4.155439 | |
| 7 | 2 | 6 | 90.1 | 1539 | | 5.192810 | |
| 8 | 3 | 6 | 95.8 | 1878 | 1295 | 5.912603 | |
| 9 | 3 | 6 | 83.6 | 1066 | 1542 | 6.245571 | |
| 10 | 2 | 6 | 81.2 | 1648 | | 6.874505 | |
| 11 | 1 | 6 | 66.2 | | | 7.500238 | |
| 12 | 2 | 6 | 75.6 | 1890 | | 8.655969 | |
| 13 | 1 | 6 | 69.9 | | | 9.054026 | |
| 14 | 3 | 6 | 62.8 | 1873 | 1189 | 9.586890 | |
| 15 | 2 | 6 | 76.0 | 1814 | | 10.192497 | |
| 16 | 2 | 6 | 70.7 | 1166 | | 10.768172 | |
| 17 | 1 | 6 | 62.4 | | | 11.552796 | |

Bin5 Statistics 19

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 19 | 92.2 | | | 0.015296 | 1 |
| 1 | 2 | 19 | 84.8 | 1036 | | 1.602947 | |
| 2 | 3 | 19 | 57.9 | 1467 | 1026 | 3.868512 | |
| 3 | 2 | 19 | 95.4 | 1374 | | 4.037987 | |
| 4 | 3 | 19 | 87.1 | 1885 | 1671 | 6.451902 | |
| 5 | 1 | 19 | 59.6 | | | 7.676103 | |
| 6 | 1 | 19 | 95.6 | | | 8.231778 | |
| 7 | 2 | 19 | 90.2 | 1110 | | 10.524603 | |
| 8 | 2 | 19 | 77.1 | 1381 | | 10.730863 | |

Bin5 Statistics 20

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 13 | 94.0 | 1193 | | 0.515351 | 1 |
| 1 | 3 | 13 | 65.5 | 1528 | 1381 | 1.100585 | |
| 2 | 2 | 13 | 82.1 | 1596 | | 1.644925 | |
| 3 | 3 | 13 | 83.7 | 1075 | 1033 | 2.654122 | |
| 4 | 2 | 13 | 89.5 | 1597 | | 3.206025 | |
| 5 | 2 | 13 | 93.4 | 1697 | | 3.476079 | |
| 6 | 2 | 13 | 71.7 | 1741 | | 4.285001 | |
| 7 | 3 | 13 | 64.8 | 1671 | 1185 | 4.790732 | |
| 8 | 1 | 13 | 88.6 | | | 5.910063 | |
| 9 | 3 | 13 | 98.2 | 1156 | 1159 | 6.047826 | |
| 10 | 3 | 13 | 70.8 | 1683 | 1881 | 7.118931 | |
| 11 | 2 | 13 | 97.5 | 1676 | | 7.920027 | |
| 12 | 3 | 13 | 54.8 | 1738 | 1625 | 8.063094 | |
| 13 | 3 | 13 | 93.9 | 1729 | 1321 | 9.065528 | |
| 14 | 2 | 13 | 81.5 | 1329 | | 9.901553 | |
| 15 | 2 | 13 | 96.3 | 1759 | | 10.603623 | |
| 16 | 3 | 13 | 92.8 | 1779 | 1523 | 11.273873 | |
| 17 | 3 | 13 | 98.9 | 1019 | 1220 | 11.506964 | |

Bin5 Statistics 21

| 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 | 11 | 56.5 | 1140 | | 0.842021 | 1 |
| 1 | 3 | 11 | 95.5 | 1230 | 1259 | 1.542220 | |
| 2 | 2 | 11 | 74.4 | 1478 | | 2.141886 | |
| 3 | 2 | 11 | 70.8 | 1473 | | 3.426322 | |
| 4 | 3 | 11 | 97.3 | 1120 | 1976 | 4.116889 | |
| 5 | 1 | 11 | 59.2 | | | 5.116499 | |
| 6 | 3 | 11 | 98.5 | 1066 | 1271 | 5.773242 | |
| 7 | 3 | 11 | 89.5 | 1200 | 1068 | 6.546632 | |
| 8 | 1 | 11 | 51.1 | | | 7.860070 | |
| 9 | 3 | 11 | 82.8 | 1190 | 1247 | 8.736096 | |
| 10 | 2 | 11 | 64.6 | 1735 | | 9.719189 | |
| 11 | 3 | 11 | 92.1 | 1225 | 1666 | 10.551967 | |
| 12 | 2 | 11 | 55.3 | 1932 | | 11.485466 | |

Bin5 Statistics 22

| 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 | 1 | 14 | 85.6 | | | 0.788186 | 1 |
| 1 | 1 | 14 | 94.8 | | | 1.522964 | |
| 2 | 3 | 14 | 72.2 | 1295 | 1082 | 2.001816 | |
| 3 | 1 | 14 | 67.3 | | | 3.344709 | |
| 4 | 1 | 14 | 92.3 | | | 3.620613 | |
| 5 | 3 | 14 | 74.5 | 1724 | 1488 | 4.837665 | |
| 6 | 2 | 14 | 79.2 | 1285 | | 5.648969 | |
| 7 | 2 | 14 | 98.7 | 1490 | | 6.281320 | |
| 8 | 1 | 14 | 79.9 | | | 7.019049 | |
| 9 | 1 | 14 | 53.0 | | | 7.735952 | |
| 10 | 2 | 14 | 92.6 | 1919 | | 9.273738 | |
| 11 | 2 | 14 | 79.3 | 1067 | | 9.490335 | |
| 12 | 1 | 14 | 98.8 | | | 10.691465 | |
| 13 | 3 | 14 | 55.3 | 1601 | 1635 | 11.545781 | |

Bin5 Statistics 23

| Trial # | Pulse | Chirp (MHz) | Pulse Width (μS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 7 | 98.6 | 1013 | | 0.019112 | 1 |
| 1 | 1 | 7 | 59.5 | | | 0.826407 | |
| 2 | 1 | 7 | 59.3 | | | 2.086824 | |
| 3 | 2 | 7 | 52.8 | 1748 | | 2.131393 | |
| 4 | 1 | 7 | 82.3 | | | 3.182226 | |
| 5 | 2 | 7 | 90.3 | 1283 | | 3.757561 | |
| 6 | 1 | 7 | 82.0 | | | 4.553216 | |
| 7 | 2 | 7 | 72.9 | 1581 | | 5.374366 | |
| 8 | 3 | 7 | 54.2 | 1377 | 1658 | 6.297195 | |
| 9 | 3 | 7 | 50.3 | 1338 | 1117 | 6.995502 | |
| 10 | 2 | 7 | 82.3 | 1021 | | 7.219369 | |
| 11 | 3 | 7 | 99.2 | 1494 | 1384 | 7.936722 | |
| 12 | 3 | 7 | 84.8 | 1472 | 1780 | 8.666128 | |
| 13 | 2 | 7 | 78.0 | 1508 | | 9.821310 | |
| 14 | 2 | 7 | 83.2 | 1995 | | 10.221751 | |
| 15 | 2 | 7 | 59.8 | 1969 | | 10.812022 | |
| 16 | 1 | 7 | 82.9 | | | 11.329942 | |

Bin5 Statistics 24

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 18 | 66.8 | 1076 | | 0.492326 | 1 |
| 1 | 2 | 18 | 77.7 | 1302 | | 0.612166 | |
| 2 | 3 | 18 | 78.7 | 1206 | 1254 | 1.591990 | |
| 3 | 3 | 18 | 99.9 | 1628 | 1559 | 1.803768 | |
| 4 | 3 | 18 | 84.0 | 1489 | 1223 | 2.911988 | |
| 5 | 2 | 18 | 95.6 | 1605 | | 3.557720 | |
| 6 | 3 | 18 | 91.7 | 1112 | 1096 | 3.895568 | |
| 7 | 2 | 18 | 77.9 | 1011 | | 4.213892 | |
| 8 | 3 | 18 | 92.0 | 1433 | 1477 | 5.343945 | |
| 9 | 3 | 18 | 93.1 | 1647 | 1544 | 5.536525 | |
| 10 | 2 | 18 | 85.7 | 1540 | | 6.242514 | |
| 11 | 2 | 18 | 59.1 | 1804 | | 6.736277 | |
| 12 | 1 | 18 | 69.5 | | | 7.293154 | |
| 13 | 3 | 18 | 77.4 | 1120 | 1902 | 8.377175 | |
| 14 | 1 | 18 | 92.3 | | | 8.551199 | |
| 15 | 2 | 18 | 65.5 | 1380 | | 9.344417 | |
| 16 | 2 | 18 | 75.3 | 1663 | | 9.763757 | |
| 17 | 2 | 18 | 55.4 | 1686 | | 10.359669 | |
| 18 | 3 | 18 | 93.1 | 1340 | 1204 | 10.944946 | |

Bin5 Statistics 25

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 13 | 57.0 | | | 0.612526 | 1 |
| 1 | 1 | 13 | 89.9 | | | 1.407703 | |
| 2 | 3 | 13 | 56.7 | 1771 | 1479 | 2.631725 | |
| 3 | 1 | 13 | 57.3 | | | 3.939366 | |
| 4 | 1 | 13 | 91.4 | | | 5.418975 | |
| 5 | 2 | 13 | 97.8 | 1632 | | 5.913849 | |
| 6 | 3 | 13 | 58.3 | 1165 | 1174 | 6.818439 | |
| 7 | 2 | 13 | 87.6 | 1270 | | 8.601858 | |
| 8 | 2 | 13 | 76.9 | 1491 | | 9.720768 | |
| 9 | 2 | 13 | 84.3 | 1067 | | 10.315496 | |
| 10 | 2 | 13 | 76.4 | 1816 | | 11.641759 | |
| 0 | 1 | 13 | 57.0 | | | 0.612526 | |

Bin5 Statistics 26

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 1 | 19 | 89.2 | | | 0.285279 | 1 |
| 1 | 2 | 19 | 73.9 | 1773 | | 0.956990 | |
| 2 | 2 | 19 | 60.1 | 1426 | | 2.098361 | |
| 3 | 2 | 19 | 69.4 | 1704 | | 2.698305 | |
| 4 | 2 | 19 | 60.4 | 1496 | | 3.510126 | |
| 5 | 3 | 19 | 57.9 | 1364 | 1616 | 3.985806 | |
| 6 | 2 | 19 | 82.0 | 1328 | | 4.629080 | |
| 7 | 1 | 19 | 72.8 | | | 5.391063 | |
| 8 | 2 | 19 | 86.5 | 1598 | | 6.226241 | |
| 9 | 2 | 19 | 68.5 | 1599 | | 6.670313 | |
| 10 | 2 | 19 | 67.2 | 1060 | | 7.297546 | |
| 11 | 2 | 19 | 96.4 | 1960 | | 8.369100 | |
| 12 | 2 | 19 | 58.5 | 1654 | | 8.934199 | |
| 13 | 2 | 19 | 59.0 | 1249 | | 9.436545 | |
| 14 | 2 | 19 | 98.9 | 1185 | | 10.257256 | |
| 15 | 2 | 19 | 63.9 | 1131 | | 11.111118 | |
| 16 | 1 | 19 | 87.2 | | | 11.315353 | |

Bin5 Statistics 27

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 20 | 75.2 | 1310 | | 0.187986 | 1 |
| 1 | 3 | 20 | 85.2 | 1416 | 1916 | 0.749682 | |
| 2 | 3 | 20 | 94.8 | 1281 | 1825 | 1.766252 | |
| 3 | 1 | 20 | 50.5 | | | 2.630494 | |
| 4 | 2 | 20 | 53.0 | 1247 | | 3.198368 | |
| 5 | 2 | 20 | 81.7 | 1244 | | 4.074899 | |
| 6 | 2 | 20 | 73.8 | 1942 | | 4.838227 | |
| 7 | 2 | 20 | 67.6 | 1176 | | 5.320104 | |
| 8 | 3 | 20 | 61.8 | 1691 | 1304 | 5.681761 | |
| 9 | 2 | 20 | 98.6 | 1874 | | 6.899414 | |
| 10 | 2 | 20 | 75.6 | 1286 | | 7.239175 | |
| 11 | 2 | 20 | 81.1 | 1549 | | 7.866539 | |
| 12 | 2 | 20 | 97.2 | 1302 | | 8.893354 | |
| 13 | 2 | 20 | 97.5 | 1505 | | 9.525653 | |
| 14 | 2 | 20 | 80.5 | 1951 | | 10.422757 | |
| 15 | 2 | 20 | 58.7 | 1210 | | 10.733039 | |
| 16 | 3 | 20 | 98.2 | 1490 | 1400 | 11.813803 | |

Bin5 Statistics 28

| 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 | 10 | 92.6 | 1639 | 1610 | 0.110528 | 1 |
| 1 | 2 | 10 | 70.8 | 1169 | | 0.743614 | |
| 2 | 2 | 10 | 67.9 | 1204 | | 1.667983 | |
| 3 | 1 | 10 | 53.7 | | | 1.844052 | |
| 4 | 2 | 10 | 88.0 | 1535 | | 2.698261 | |
| 5 | 1 | 10 | 74.0 | | | 3.524253 | |
| 6 | 2 | 10 | 73.3 | 1137 | | 3.716902 | |
| 7 | 3 | 10 | 51.2 | 1648 | 1352 | 4.376149 | |
| 8 | 2 | 10 | 86.3 | 1152 | | 4.977093 | |
| 9 | 1 | 10 | 51.9 | | | 5.941776 | |
| 10 | 2 | 10 | 96.1 | 1157 | | 6.065416 | |
| 11 | 2 | 10 | 62.5 | 1586 | | 6.970573 | |
| 12 | 2 | 10 | 71.1 | 1965 | | 7.257738 | |
| 13 | 2 | 10 | 51.5 | 1287 | | 8.343182 | |
| 14 | 2 | 10 | 96.9 | 1563 | | 8.589559 | |
| 15 | 2 | 10 | 65.2 | 1811 | | 9.000570 | |
| 16 | 2 | 10 | 57.1 | 1075 | | 9.921388 | |
| 17 | 2 | 10 | 63.2 | 1371 | | 10.521540 | |
| 18 | 1 | 10 | 87.9 | | | 11.173244 | |
| 19 | 2 | 10 | 82.8 | 1859 | | 11.561679 | |

Bin5 Statistics 29

| 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 | 1 | 11 | 97.6 | | | 0.691983 | 1 |
| 1 | 3 | 11 | 95.6 | 1021 | 1800 | 1.230556 | |
| 2 | 1 | 11 | 78.6 | | | 2.820648 | |
| 3 | 2 | 11 | 51.7 | 1243 | | 3.540745 | |
| 4 | 2 | 11 | 67.5 | 1446 | | 4.247355 | |
| 5 | 2 | 11 | 98.9 | 1457 | | 5.809946 | |
| 6 | 3 | 11 | 63.4 | 1798 | 1051 | 6.369105 | |
| 7 | 2 | 11 | 73.6 | 1834 | | 7.595493 | |
| 8 | 2 | 11 | 58.0 | 1402 | | 8.251647 | |
| 9 | 2 | 11 | 63.6 | 1560 | | 9.798985 | |
| 10 | 2 | 11 | 67.2 | 1366 | | 10.770872 | |
| 11 | 3 | 11 | 79.0 | 1846 | 1838 | 11.015095 | |

Bin5 Statistics 30

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 3 | 13 | 81.8 | 1605 | 1718 | 0.294204 | 1 |
| 1 | 2 | 13 | 73.6 | 1888 | | 1.216244 | |
| 2 | 2 | 13 | 92.1 | 1435 | | 2.190772 | |
| 3 | 2 | 13 | 54.2 | 1259 | | 2.574638 | |
| 4 | 3 | 13 | 94.8 | 1071 | 1766 | 4.265642 | |
| 5 | 3 | 13 | 70.1 | 1282 | 1232 | 4.879975 | |
| 6 | 2 | 13 | 54.5 | 1742 | | 5.417253 | |
| 7 | 1 | 13 | 78.9 | | | 6.801651 | |
| 8 | 2 | 13 | 90.7 | 1817 | | 7.433648 | |
| 9 | 2 | 13 | 95.9 | 1322 | | 8.085232 | |
| 10 | 1 | 13 | 75.8 | | | 9.013264 | |
| 11 | 3 | 13 | 72.0 | 1098 | 1346 | 10.057538 | |
| 12 | 1 | 13 | 96.5 | | | 11.026891 | |
| 13 | 2 | 13 | 67.0 | 1316 | | 11.500097 | |

Table-6 Radar Type 6 Statistical Performance

| Trial # | Fc (MHz) | Pulse /Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) | Hopping Sequence |
|---------|----------|--------------|------------------|----------|-------------------------|---|
| 1 | 5530.0 | 9 | 1.0 | 333 | 1 | 5485.0, 5298.0, 5576.0, 5330.0, 5636.0, 5546.0, 5408.0, 5372.0, 5386.0, 5269.0, 5544.0, 5285.0, 5460.0, 5373.0, 5464.0, 5706.0, 5717.0, 5599.0, 5389.0, 5377.0, 5685.0, 5411.0, 5619.0, 5251.0, 5575.0, 5603.0, 5434.0, 5324.0, 5600.0, 5428.0, 5689.0, 5586.0, 5353.0, 5277.0, 5639.0, 5307.0, 5681.0, 5397.0, 5553.0, 5391.0, 5260.0, 5347.0, 5473.0, 5289.0, 5455.0, 5572.0, 5450.0, 5466.0, 5325.0, 5257.0, 5499.0, 5534.0, 5638.0, 5615.0, 5635.0, 5637.0, 5381.0, 5559.0, 5678.0, 5533.0, 5640.0, 5370.0, 5493.0, 5454.0, 5392.0, 5612.0, 5258.0, 5383.0, 5308.0, 5440.0, 5597.0, 5447.0, 5659.0, 5714.0, 5294.0, 5318.0, 5710.0, 5525.0, 5579.0, 5375.0, 5641.0, 5401.0, 5574.0, 5608.0, 5360.0, 5426.0, 5594.0, 5626.0, 5716.0, 5633.0, 5452.0, 5437.0, 5602.0, 5492.0, 5467.0, 5445.0, 5513.0, 5573.0, 5518.0, 5299.0 (number of hits: 12) |
| 2 | 5530.0 | 9 | 1.0 | 333 | 1 | 5645.0, 5615.0, 5599.0, 5614.0, 5391.0, 5719.0, 5346.0, 5612.0, 5378.0, 5480.0, 5448.0, 5252.0, 5589.0, 5541.0, 5369.0, 5656.0, 5533.0, 5689.0, 5591.0, 5284.0, 5634.0, 5341.0, 5504.0, 5280.0, 5512.0, 5344.0, 5439.0, 5445.0, 5309.0, 5442.0, 5272.0, 5364.0, 5268.0, 5411.0, 5630.0, 5406.0, 5685.0, 5574.0, 5602.0, 5381.0, 5658.0, 5613.0, 5701.0, 5363.0, 5555.0, 5408.0, 5649.0, 5379.0, 5607.0, 5371.0, 5700.0, 5419.0, 5570.0, 5459.0, 5489.0, 5266.0, 5513.0, 5356.0, 5440.0, 5675.0, 5644.0, 5253.0, 5484.0, 5528.0, 5606.0, 5572.0, 5702.0, 5710.0, 5328.0, 5550.0, 5389.0, 5255.0, 5690.0, 5287.0, 5618.0, 5592.0, 5631.0, 5650.0, 5330.0, 5581.0, 5715.0, 5322.0, 5340.0, 5605.0, 5271.0, 5670.0, 5444.0, 5466.0, 5404.0, 5470.0, 5441.0, 5527.0, 5707.0, 5545.0, 5563.0, 5598.0, 5400.0, 5483.0, 5386.0, 5333.0 (number of hits: 11) |
| 3 | 5530.0 | 9 | 1.0 | 333 | 1 | 5397.0, 5605.0, 5316.0, 5307.0, 5666.0, 5715.0, 5427.0, 5723.0, 5483.0, 5507.0, 5679.0, 5381.0, 5602.0, 5491.0, 5494.0, 5269.0, 5615.0, 5433.0, 5438.0, 5594.0, 5454.0, 5380.0, 5402.0, 5376.0, 5412.0, 5568.0, 5385.0, 5479.0, 5358.0, 5720.0, 5446.0, 5553.0, 5556.0, 5611.0, 5387.0, 5578.0, 5400.0, 5654.0, 5545.0, 5281.0, 5702.0, 5267.0, 5682.0, 5712.0, 5492.0, 5473.0, 5522.0, 5613.0, 5511.0, 5565.0, 5687.0, 5439.0, 5343.0, 5449.0, 5669.0, 5468.0, 5411.0, 5328.0, 5332.0, 5560.0, 5505.0, 5373.0, 5630.0, 5525.0, 5620.0, 5541.0, 5665.0, 5254.0, 5295.0, 5266.0, 5701.0, 5490.0, 5509.0, 5610.0, 5270.0, 5641.0, 5356.0, 5489.0, 5347.0, 5495.0, 5423.0, 5425.0, 5648.0, 5398.0, 5684.0, 5477.0, 5417.0, 5690.0, 5319.0, 5546.0, 5670.0, 5472.0, 5482.0, 5707.0, 5496.0, 5515.0, 5627.0, 5367.0, 5256.0, 5636.0 (number of hits: 18) |
| 4 | 5530.0 | 9 | 1.0 | 333 | 1 | 5331.0, 5519.0, 5720.0, 5618.0, 5323.0, 5493.0, 5529.0, 5556.0, 5269.0, 5516.0, 5598.0, 5309.0, 5352.0, 5697.0, 5682.0, 5448.0, 5296.0, 5538.0, 5353.0, 5396.0, 5462.0, 5675.0, 5523.0, 5398.0, 5477.0, 5573.0, 5600.0, 5605.0, 5666.0, 5662.0, 5488.0, 5545.0, 5700.0, 5714.0, 5716.0, 5655.0, 5515.0, 5702.0, 5698.0, 5587.0, 5429.0, 5602.0, 5342.0, 5386.0, 5487.0, 5576.0, 5616.0, 5678.0, 5674.0, 5301.0, 5512.0, 5432.0, 5524.0, 5385.0, 5463.0, 5379.0, 5578.0, 5645.0, 5401.0, 5268.0, 5329.0, 5664.0, 5526.0, 5451.0, 5657.0, 5522.0, 5672.0, 5612.0, 5617.0, 5622.0, 5621.0, 5533.0, 5537.0, 5507.0, 5343.0, 5468.0, 5411.0, 5715.0, 5260.0, 5417.0, 5717.0, 5601.0, 5422.0, 5501.0, 5711.0, 5639.0, 5681.0, 5661.0, 5695.0, 5514.0, 5297.0, 5415.0, 5416.0, 5377.0, 5356.0, 5668.0, 5611.0, 5624.0, 5696.0, 5472.0 (number of hits: 18) |
| 5 | 5530.0 | 9 | 1.0 | 333 | 1 | 5723.0, 5386.0, 5405.0, 5510.0, 5588.0, 5284.0, 5355.0, 5471.0, 5682.0, 5274.0, 5704.0, 5428.0, 5331.0, 5306.0, 5347.0, 5587.0, 5642.0, 5554.0, 5360.0, 5318.0, 5657.0, 5513.0, 5634.0, 5278.0, |

| | | | | | | |
|---|--------|---|-----|-----|---|---|
| | | | | | | 5557.0, 5450.0, 5442.0, 5586.0, 5276.0, 5622.0, 5484.0, 5267.0, 5288.0, 5691.0, 5285.0, 5671.0, 5547.0, 5579.0, 5465.0, 5421.0, 5494.0, 5523.0, 5305.0, 5566.0, 5303.0, 5672.0, 5263.0, 5584.0, 5384.0, 5630.0, 5500.0, 5429.0, 5310.0, 5283.0, 5661.0, 5611.0, 5608.0, 5297.0, 5426.0, 5532.0, 5571.0, 5596.0, 5253.0, 5322.0, 5632.0, 5499.0, 5550.0, 5433.0, 5390.0, 5623.0, 5572.0, 5353.0, 5382.0, 5698.0, 5527.0, 5286.0, 5464.0, 5625.0, 5264.0, 5439.0, 5261.0, 5272.0, 5289.0, 5486.0, 5334.0, 5251.0, 5653.0, 5307.0, 5710.0, 5299.0, 5635.0, 5637.0, 5454.0, 5563.0, 5271.0, 5675.0, 5600.0, 5448.0, 5366.0, 5567.0 (number of hits: 15) |
| 6 | 5530.0 | 9 | 1.0 | 333 | 1 | 5655.0, 5414.0, 5609.0, 5621.0, 5401.0, 5276.0, 5261.0, 5485.0, 5316.0, 5577.0, 5298.0, 5281.0, 5692.0, 5721.0, 5512.0, 5286.0, 5722.0, 5572.0, 5677.0, 5498.0, 5632.0, 5465.0, 5368.0, 5416.0, 5628.0, 5463.0, 5569.0, 5263.0, 5324.0, 5669.0, 5541.0, 5321.0, 5301.0, 5447.0, 5398.0, 5369.0, 5409.0, 5635.0, 5283.0, 5335.0, 5394.0, 5564.0, 5273.0, 5439.0, 5425.0, 5718.0, 5643.0, 5543.0, 5351.0, 5413.0, 5362.0, 5491.0, 5519.0, 5342.0, 5420.0, 5703.0, 5534.0, 5481.0, 5328.0, 5446.0, 5472.0, 5521.0, 5275.0, 5295.0, 5489.0, 5653.0, 5528.0, 5279.0, 5607.0, 5387.0, 5675.0, 5339.0, 5370.0, 5345.0, 5660.0, 5395.0, 5611.0, 5662.0, 5548.0, 5399.0, 5674.0, 5665.0, 5424.0, 5338.0, 5510.0, 5588.0, 5327.0, 5639.0, 5603.0, 5410.0, 5673.0, 5482.0, 5644.0, 5553.0, 5388.0, 5596.0, 5520.0, 5353.0, 5576.0, 5495.0 (number of hits: 14) |
| 7 | 5530.0 | 9 | 1.0 | 333 | 1 | 5266.0, 5356.0, 5449.0, 5255.0, 5468.0, 5404.0, 5543.0, 5704.0, 5544.0, 5360.0, 5442.0, 5460.0, 5284.0, 5480.0, 5624.0, 5411.0, 5695.0, 5613.0, 5394.0, 5699.0, 5602.0, 5312.0, 5512.0, 5397.0, 5560.0, 5367.0, 5378.0, 5598.0, 5672.0, 5707.0, 5670.0, 5491.0, 5713.0, 5364.0, 5439.0, 5673.0, 5650.0, 5723.0, 5314.0, 5592.0, 5519.0, 5509.0, 5427.0, 5635.0, 5337.0, 5678.0, 5398.0, 5594.0, 5711.0, 5507.0, 5535.0, 5458.0, 5577.0, 5627.0, 5369.0, 5557.0, 5485.0, 5269.0, 5308.0, 5264.0, 5267.0, 5420.0, 5652.0, 5319.0, 5692.0, 5634.0, 5694.0, 5461.0, 5338.0, 5426.0, 5298.0, 5574.0, 5642.0, 5490.0, 5541.0, 5630.0, 5590.0, 5373.0, 5601.0, 5396.0, 5633.0, 5701.0, 5520.0, 5444.0, 5591.0, 5629.0, 5665.0, 5552.0, 5481.0, 5572.0, 5465.0, 5472.0, 5355.0, 5417.0, 5565.0, 5474.0, 5462.0, 5431.0, 5567.0, 5280.0 (number of hits: 14) |
| 8 | 5530.0 | 9 | 1.0 | 333 | 1 | 5608.0, 5399.0, 5643.0, 5498.0, 5676.0, 5323.0, 5448.0, 5483.0, 5664.0, 5481.0, 5471.0, 5457.0, 5623.0, 5406.0, 5449.0, 5252.0, 5324.0, 5365.0, 5503.0, 5428.0, 5712.0, 5605.0, 5285.0, 5280.0, 5509.0, 5580.0, 5321.0, 5650.0, 5472.0, 5701.0, 5372.0, 5377.0, 5615.0, 5562.0, 5722.0, 5427.0, 5389.0, 5489.0, 5549.0, 5686.0, 5296.0, 5564.0, 5697.0, 5329.0, 5272.0, 5341.0, 5470.0, 5446.0, 5495.0, 5258.0, 5555.0, 5271.0, 5354.0, 5454.0, 5547.0, 5696.0, 5589.0, 5515.0, 5313.0, 5526.0, 5527.0, 5426.0, 5378.0, 5675.0, 5560.0, 5622.0, 5631.0, 5281.0, 5672.0, 5496.0, 5533.0, 5665.0, 5525.0, 5574.0, 5322.0, 5535.0, 5353.0, 5450.0, 5582.0, 5275.0, 5505.0, 5657.0, 5402.0, 5349.0, 5551.0, 5444.0, 5432.0, 5619.0, 5641.0, 5325.0, 5255.0, 5569.0, 5656.0, 5266.0, 5721.0, 5588.0, 5606.0, 5531.0, 5332.0, 5673.0 (number of hits: 20) |
| 9 | 5530.0 | 9 | 1.0 | 333 | 1 | 5556.0, 5418.0, 5719.0, 5679.0, 5672.0, 5674.0, 5474.0, 5289.0, 5551.0, 5319.0, 5566.0, 5283.0, 5438.0, 5293.0, 5254.0, 5295.0, 5660.0, 5616.0, 5377.0, 5408.0, 5491.0, 5437.0, 5617.0, 5476.0, 5472.0, 5682.0, 5256.0, 5508.0, 5375.0, 5251.0, 5393.0, 5397.0, 5447.0, 5302.0, 5471.0, 5349.0, 5490.0, 5500.0, 5677.0, 5580.0, 5610.0, 5433.0, 5364.0, 5665.0, 5278.0, 5322.0, 5480.0, 5441.0, 5483.0, 5582.0, 5332.0, 5415.0, 5316.0, 5605.0, 5632.0, 5315.0, 5427.0, 5275.0, 5530.0, 5381.0, 5718.0, 5390.0, 5473.0, 5619.0, 5396.0, 5354.0, 5313.0, 5618.0, 5504.0, 5633.0, 5686.0, 5274.0, 5342.0, 5694.0, 5505.0, 5631.0, 5479.0, 5374.0, 5537.0, 5711.0, 5386.0, 5272.0, 5503.0, 5517.0, 5510.0, 5590.0, 5549.0, 5655.0, 5271.0, 5482.0, 5555.0, 5515.0, 5680.0, 5599.0, 5341.0, 5399.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5266.0, 5499.0, 5535.0, 5602.0 (number of hits: 17) |
| 10 | 5530.0 | 9 | 1.0 | 333 | 1 | 5439.0, 5274.0, 5570.0, 5649.0, 5688.0, 5617.0, 5486.0, 5494.0, 5650.0, 5612.0, 5701.0, 5372.0, 5402.0, 5474.0, 5438.0, 5629.0, 5476.0, 5484.0, 5669.0, 5401.0, 5291.0, 5266.0, 5574.0, 5495.0, 5699.0, 5463.0, 5694.0, 5615.0, 5329.0, 5251.0, 5336.0, 5391.0, 5365.0, 5564.0, 5611.0, 5269.0, 5583.0, 5465.0, 5343.0, 5700.0, 5487.0, 5622.0, 5387.0, 5603.0, 5609.0, 5561.0, 5349.0, 5327.0, 5540.0, 5651.0, 5403.0, 5717.0, 5575.0, 5656.0, 5480.0, 5317.0, 5446.0, 5644.0, 5690.0, 5560.0, 5723.0, 5370.0, 5681.0, 5341.0, 5369.0, 5507.0, 5308.0, 5533.0, 5459.0, 5374.0, 5522.0, 5250.0, 5538.0, 5519.0, 5342.0, 5488.0, 5397.0, 5552.0, 5687.0, 5415.0, 5255.0, 5485.0, 5722.0, 5277.0, 5470.0, 5590.0, 5534.0, 5481.0, 5539.0, 5528.0, 5442.0, 5366.0, 5626.0, 5703.0, 5436.0, 5393.0, 5624.0, 5716.0, 5616.0, 5623.0 (number of hits: 15) |
| 11 | 5530.0 | 9 | 1.0 | 333 | 1 | 5691.0, 5252.0, 5297.0, 5576.0, 5578.0, 5354.0, 5273.0, 5690.0, 5254.0, 5673.0, 5635.0, 5280.0, 5682.0, 5683.0, 5310.0, 5438.0, 5638.0, 5705.0, 5459.0, 5639.0, 5674.0, 5258.0, 5289.0, 5363.0, 5665.0, 5630.0, 5390.0, 5442.0, 5675.0, 5692.0, 5625.0, 5523.0, 5460.0, 5381.0, 5424.0, 5623.0, 5589.0, 5598.0, 5361.0, 5510.0, 5468.0, 5670.0, 5417.0, 5270.0, 5420.0, 5710.0, 5267.0, 5602.0, 5430.0, 5446.0, 5646.0, 5386.0, 5648.0, 5601.0, 5535.0, 5484.0, 5371.0, 5264.0, 5521.0, 5491.0, 5452.0, 5555.0, 5295.0, 5512.0, 5312.0, 5388.0, 5693.0, 5661.0, 5338.0, 5641.0, 5664.0, 5482.0, 5372.0, 5612.0, 5294.0, 5706.0, 5407.0, 5291.0, 5393.0, 5723.0, 5448.0, 5643.0, 5603.0, 5292.0, 5469.0, 5704.0, 5569.0, 5501.0, 5724.0, 5434.0, 5493.0, 5553.0, 5307.0, 5700.0, 5419.0, 5610.0, 5617.0, 5627.0, 5650.0, 5668.0 (number of hits: 9) |
| 12 | 5530.0 | 9 | 1.0 | 333 | 1 | 5463.0, 5517.0, 5607.0, 5602.0, 5291.0, 5361.0, 5481.0, 5512.0, 5368.0, 5708.0, 5299.0, 5620.0, 5309.0, 5495.0, 5389.0, 5686.0, 5526.0, 5519.0, 5706.0, 5274.0, 5404.0, 5338.0, 5304.0, 5499.0, 5341.0, 5266.0, 5623.0, 5405.0, 5645.0, 5317.0, 5693.0, 5415.0, 5257.0, 5507.0, 5505.0, 5647.0, 5377.0, 5364.0, 5352.0, 5487.0, 5285.0, 5392.0, 5613.0, 5724.0, 5513.0, 5343.0, 5579.0, 5348.0, 5531.0, 5272.0, 5402.0, 5432.0, 5715.0, 5268.0, 5489.0, 5503.0, 5283.0, 5333.0, 5633.0, 5486.0, 5253.0, 5452.0, 5397.0, 5263.0, 5575.0, 5636.0, 5612.0, 5294.0, 5474.0, 5644.0, 5327.0, 5529.0, 5384.0, 5571.0, 5608.0, 5542.0, 5310.0, 5460.0, 5689.0, 5446.0, 5420.0, 5369.0, 5649.0, 5583.0, 5314.0, 5582.0, 5472.0, 5545.0, 5713.0, 5625.0, 5595.0, 5270.0, 5450.0, 5611.0, 5490.0, 5648.0, 5508.0, 5297.0, 5350.0, 5395.0 (number of hits: 15) |
| 13 | 5530.0 | 9 | 1.0 | 333 | 1 | 5350.0, 5337.0, 5306.0, 5515.0, 5338.0, 5709.0, 5621.0, 5614.0, 5456.0, 5617.0, 5684.0, 5615.0, 5267.0, 5666.0, 5397.0, 5345.0, 5620.0, 5562.0, 5594.0, 5628.0, 5451.0, 5355.0, 5527.0, 5581.0, 5510.0, 5586.0, 5370.0, 5344.0, 5346.0, 5689.0, 5695.0, 5323.0, 5303.0, 5384.0, 5365.0, 5662.0, 5373.0, 5552.0, 5686.0, 5270.0, 5300.0, 5450.0, 5535.0, 5292.0, 5424.0, 5672.0, 5277.0, 5690.0, 5484.0, 5655.0, 5302.0, 5334.0, 5500.0, 5445.0, 5325.0, 5703.0, 5711.0, 5349.0, 5506.0, 5598.0, 5301.0, 5611.0, 5631.0, 5367.0, 5606.0, 5316.0, 5251.0, 5443.0, 5512.0, 5356.0, 5293.0, 5722.0, 5379.0, 5575.0, 5333.0, 5305.0, 5491.0, 5578.0, 5369.0, 5568.0, 5312.0, 5271.0, 5438.0, 5466.0, 5646.0, 5296.0, 5471.0, 5332.0, 5419.0, 5520.0, 5671.0, 5693.0, 5536.0, 5428.0, 5554.0, 5412.0, 5564.0, 5604.0, 5261.0, 5281.0 (number of hits: 13) |
| 14 | 5530.0 | 9 | 1.0 | 333 | 1 | 5645.0, 5513.0, 5574.0, 5714.0, 5556.0, 5448.0, 5298.0, 5318.0, 5495.0, 5635.0, 5580.0, 5523.0, 5264.0, 5480.0, 5322.0, 5282.0, 5593.0, 5432.0, 5520.0, 5624.0, 5350.0, 5589.0, 5583.0, 5305.0, 5675.0, 5628.0, 5658.0, 5692.0, 5594.0, 5295.0, 5643.0, 5607.0, 5496.0, 5347.0, 5423.0, 5294.0, 5439.0, 5510.0, 5505.0, 5419.0, 5598.0, 5676.0, 5370.0, 5536.0, 5412.0, 5440.0, 5469.0, 5557.0, 5527.0, 5302.0, 5646.0, 5712.0, 5579.0, 5274.0, 5614.0, 5634.0, 5621.0, 5564.0, 5325.0, 5304.0, 5582.0, 5476.0, 5577.0, 5616.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5407.0, 5689.0, 5267.0, 5394.0, 5271.0, 5569.0, 5474.0, 5560.0, 5268.0, 5436.0, 5345.0, 5286.0, 5559.0, 5430.0, 5487.0, 5351.0, 5312.0, 5638.0, 5586.0, 5261.0, 5596.0, 5361.0, 5718.0, 5426.0, 5685.0, 5526.0, 5668.0, 5688.0, 5330.0, 5403.0, 5299.0, 5674.0, 5567.0, 5693.0, 5669.0, 5297.0 (number of hits: 16) |
| 15 | 5530.0 | 9 | 1.0 | 333 | 1 | 5487.0, 5436.0, 5595.0, 5621.0, 5393.0, 5620.0, 5524.0, 5423.0, 5623.0, 5572.0, 5715.0, 5259.0, 5347.0, 5335.0, 5678.0, 5293.0, 5704.0, 5641.0, 5265.0, 5437.0, 5357.0, 5518.0, 5285.0, 5539.0, 5368.0, 5651.0, 5709.0, 5484.0, 5507.0, 5564.0, 5405.0, 5342.0, 5338.0, 5341.0, 5510.0, 5580.0, 5603.0, 5629.0, 5444.0, 5318.0, 5600.0, 5471.0, 5447.0, 5468.0, 5583.0, 5311.0, 5573.0, 5669.0, 5689.0, 5356.0, 5438.0, 5377.0, 5522.0, 5319.0, 5267.0, 5660.0, 5375.0, 5465.0, 5661.0, 5520.0, 5680.0, 5606.0, 5491.0, 5538.0, 5586.0, 5659.0, 5264.0, 5551.0, 5694.0, 5692.0, 5260.0, 5571.0, 5398.0, 5366.0, 5269.0, 5322.0, 5579.0, 5355.0, 5275.0, 5673.0, 5533.0, 5633.0, 5379.0, 5420.0, 5535.0, 5271.0, 5263.0, 5639.0, 5618.0, 5527.0, 5568.0, 5638.0, 5359.0, 5298.0, 5404.0, 5435.0, 5417.0, 5408.0, 5668.0, 5708.0 (number of hits: 13) |
| 16 | 5530.0 | 9 | 1.0 | 333 | 1 | 5721.0, 5668.0, 5547.0, 5451.0, 5446.0, 5574.0, 5629.0, 5301.0, 5703.0, 5712.0, 5469.0, 5380.0, 5506.0, 5386.0, 5366.0, 5426.0, 5681.0, 5617.0, 5692.0, 5468.0, 5327.0, 5387.0, 5465.0, 5595.0, 5278.0, 5626.0, 5688.0, 5362.0, 5389.0, 5302.0, 5299.0, 5641.0, 5654.0, 5689.0, 5345.0, 5363.0, 5421.0, 5502.0, 5554.0, 5405.0, 5667.0, 5533.0, 5542.0, 5490.0, 5383.0, 5697.0, 5699.0, 5291.0, 5323.0, 5503.0, 5505.0, 5676.0, 5536.0, 5368.0, 5596.0, 5640.0, 5311.0, 5351.0, 5259.0, 5358.0, 5719.0, 5659.0, 5687.0, 5494.0, 5678.0, 5464.0, 5504.0, 5686.0, 5384.0, 5418.0, 5572.0, 5413.0, 5496.0, 5254.0, 5559.0, 5602.0, 5458.0, 5333.0, 5403.0, 5525.0, 5484.0, 5390.0, 5570.0, 5316.0, 5452.0, 5359.0, 5275.0, 5609.0, 5379.0, 5575.0, 5661.0, 5616.0, 5402.0, 5639.0, 5423.0, 5483.0, 5273.0, 5649.0, 5336.0, 5549.0 (number of hits: 15) |
| 17 | 5530.0 | 9 | 1.0 | 333 | 1 | 5651.0, 5275.0, 5256.0, 5609.0, 5493.0, 5414.0, 5283.0, 5575.0, 5406.0, 5514.0, 5478.0, 5285.0, 5301.0, 5564.0, 5418.0, 5604.0, 5374.0, 5674.0, 5692.0, 5523.0, 5270.0, 5558.0, 5713.0, 5460.0, 5606.0, 5681.0, 5442.0, 5702.0, 5517.0, 5345.0, 5554.0, 5317.0, 5437.0, 5443.0, 5673.0, 5325.0, 5597.0, 5645.0, 5721.0, 5370.0, 5449.0, 5625.0, 5408.0, 5503.0, 5268.0, 5361.0, 5656.0, 5543.0, 5337.0, 5319.0, 5376.0, 5438.0, 5378.0, 5338.0, 5633.0, 5344.0, 5351.0, 5646.0, 5289.0, 5568.0, 5684.0, 5293.0, 5722.0, 5398.0, 5292.0, 5700.0, 5534.0, 5488.0, 5714.0, 5658.0, 5339.0, 5340.0, 5605.0, 5453.0, 5380.0, 5423.0, 5565.0, 5389.0, 5300.0, 5615.0, 5649.0, 5266.0, 5311.0, 5504.0, 5395.0, 5281.0, 5521.0, 5411.0, 5551.0, 5709.0, 5509.0, 5399.0, 5392.0, 5608.0, 5294.0, 5675.0, 5617.0, 5377.0, 5661.0, 5315.0 (number of hits: 15) |
| 18 | 5530.0 | 9 | 1.0 | 333 | 0 | |
| 19 | 5530.0 | 9 | 1.0 | 333 | 1 | 5711.0, 5673.0, 5487.0, 5344.0, 5558.0, 5445.0, 5355.0, 5599.0, 5438.0, 5513.0, 5552.0, 5372.0, 5272.0, 5443.0, 5697.0, 5478.0, 5518.0, 5332.0, 5640.0, 5339.0, 5466.0, 5451.0, 5605.0, 5568.0, 5602.0, 5719.0, 5488.0, 5392.0, 5610.0, 5654.0, 5337.0, 5698.0, 5565.0, 5595.0, 5393.0, 5276.0, 5724.0, 5556.0, 5364.0, 5645.0, 5289.0, 5718.0, 5427.0, 5709.0, 5569.0, 5622.0, 5442.0, 5334.0, 5576.0, 5320.0, 5688.0, 5496.0, 5641.0, 5722.0, 5351.0, 5545.0, 5340.0, 5684.0, 5507.0, 5297.0, 5413.0, 5525.0, 5262.0, 5685.0, 5589.0, 5485.0, 5676.0, 5491.0, 5586.0, 5476.0, 5363.0, 5632.0, 5553.0, 5377.0, 5402.0, 5560.0, 5281.0, 5519.0, 5412.0, 5329.0, 5333.0, 5416.0, 5636.0, 5303.0, 5517.0, 5607.0, 5644.0, 5411.0, 5359.0, 5325.0, 5662.0, 5627.0, 5703.0, 5446.0, 5651.0, 5378.0, 5345.0, 5511.0, 5433.0, 5710.0 (number of hits: 15) |
| 20 | 5530.0 | 9 | 1.0 | 333 | 1 | 5318.0, 5561.0, 5275.0, 5577.0, 5375.0, 5489.0, 5542.0, 5333.0, 5501.0, 5662.0, 5677.0, 5323.0, 5500.0, 5314.0, 5530.0, 5617.0, 5261.0, 5329.0, 5706.0, 5340.0, 5528.0, 5644.0, 5438.0, 5338.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5267.0, 5288.0, 5610.0, 5536.0, 5268.0, 5686.0, 5458.0, 5414.0, 5657.0, 5372.0, 5300.0, 5455.0, 5685.0, 5440.0, 5650.0, 5397.0, 5715.0, 5317.0, 5413.0, 5583.0, 5611.0, 5641.0, 5623.0, 5493.0, 5469.0, 5620.0, 5416.0, 5605.0, 5527.0, 5631.0, 5699.0, 5700.0, 5283.0, 5368.0, 5271.0, 5667.0, 5562.0, 5593.0, 5628.0, 5495.0, 5400.0, 5447.0, 5573.0, 5512.0, 5252.0, 5560.0, 5259.0, 5479.0, 5435.0, 5382.0, 5639.0, 5585.0, 5723.0, 5587.0, 5621.0, 5302.0, 5401.0, 5462.0, 5497.0, 5377.0, 5666.0, 5627.0, 5387.0, 5452.0, 5309.0, 5669.0, 5376.0, 5367.0, 5448.0, 5694.0, 5649.0, 5546.0, 5362.0, 5357.0, 5354.0, 5682.0 (number of hits: 15) |
| 21 | 5530.0 | 9 | 1.0 | 333 | 1 | 5384.0, 5623.0, 5374.0, 5519.0, 5451.0, 5570.0, 5552.0, 5335.0, 5515.0, 5540.0, 5658.0, 5643.0, 5415.0, 5469.0, 5667.0, 5616.0, 5263.0, 5348.0, 5690.0, 5553.0, 5425.0, 5561.0, 5364.0, 5541.0, 5430.0, 5320.0, 5428.0, 5486.0, 5328.0, 5668.0, 5390.0, 5597.0, 5514.0, 5584.0, 5341.0, 5714.0, 5465.0, 5477.0, 5261.0, 5334.0, 5412.0, 5296.0, 5287.0, 5628.0, 5548.0, 5595.0, 5380.0, 5513.0, 5687.0, 5653.0, 5409.0, 5492.0, 5647.0, 5253.0, 5327.0, 5645.0, 5368.0, 5311.0, 5567.0, 5273.0, 5312.0, 5338.0, 5421.0, 5539.0, 5560.0, 5708.0, 5336.0, 5344.0, 5649.0, 5503.0, 5707.0, 5446.0, 5332.0, 5569.0, 5566.0, 5523.0, 5286.0, 5441.0, 5360.0, 5259.0, 5453.0, 5387.0, 5461.0, 5547.0, 5659.0, 5413.0, 5508.0, 5442.0, 5382.0, 5592.0, 5534.0, 5401.0, 5264.0, 5706.0, 5502.0, 5400.0, 5299.0, 5542.0, 5482.0, 5262.0 (number of hits: 22) |
| 22 | 5530.0 | 9 | 1.0 | 333 | 1 | 5605.0, 5390.0, 5350.0, 5614.0, 5317.0, 5552.0, 5518.0, 5650.0, 5555.0, 5564.0, 5495.0, 5649.0, 5352.0, 5295.0, 5348.0, 5301.0, 5522.0, 5489.0, 5651.0, 5609.0, 5282.0, 5576.0, 5280.0, 5587.0, 5443.0, 5486.0, 5676.0, 5394.0, 5459.0, 5380.0, 5267.0, 5412.0, 5612.0, 5599.0, 5433.0, 5515.0, 5292.0, 5481.0, 5277.0, 5351.0, 5572.0, 5722.0, 5684.0, 5692.0, 5263.0, 5391.0, 5395.0, 5484.0, 5562.0, 5283.0, 5602.0, 5715.0, 5695.0, 5719.0, 5250.0, 5270.0, 5303.0, 5470.0, 5483.0, 5510.0, 5367.0, 5674.0, 5720.0, 5505.0, 5346.0, 5705.0, 5388.0, 5627.0, 5507.0, 5536.0, 5713.0, 5316.0, 5302.0, 5467.0, 5279.0, 5537.0, 5294.0, 5424.0, 5573.0, 5349.0, 5694.0, 5365.0, 5686.0, 5321.0, 5444.0, 5698.0, 5323.0, 5611.0, 5630.0, 5383.0, 5417.0, 5716.0, 5621.0, 5406.0, 5710.0, 5670.0, 5330.0, 5286.0, 5574.0, 5556.0 (number of hits: 14) |
| 23 | 5530.0 | 9 | 1.0 | 333 | 1 | 5589.0, 5690.0, 5360.0, 5709.0, 5561.0, 5269.0, 5378.0, 5469.0, 5255.0, 5313.0, 5311.0, 5375.0, 5407.0, 5304.0, 5684.0, 5569.0, 5460.0, 5702.0, 5305.0, 5431.0, 5496.0, 5315.0, 5683.0, 5718.0, 5618.0, 5290.0, 5712.0, 5619.0, 5408.0, 5640.0, 5485.0, 5265.0, 5297.0, 5470.0, 5353.0, 5429.0, 5615.0, 5438.0, 5468.0, 5449.0, 5251.0, 5442.0, 5689.0, 5550.0, 5667.0, 5688.0, 5381.0, 5388.0, 5636.0, 5380.0, 5609.0, 5258.0, 5319.0, 5557.0, 5386.0, 5270.0, 5620.0, 5263.0, 5668.0, 5682.0, 5521.0, 5317.0, 5489.0, 5544.0, 5685.0, 5504.0, 5294.0, 5593.0, 5502.0, 5585.0, 5261.0, 5605.0, 5266.0, 5505.0, 5581.0, 5602.0, 5272.0, 5364.0, 5412.0, 5549.0, 5322.0, 5721.0, 5553.0, 5532.0, 5363.0, 5588.0, 5275.0, 5657.0, 5632.0, 5293.0, 5681.0, 5660.0, 5256.0, 5570.0, 5526.0, 5369.0, 5652.0, 5541.0, 5264.0, 5630.0 (number of hits: 14) |
| 24 | 5530.0 | 9 | 1.0 | 333 | 1 | 5348.0, 5545.0, 5538.0, 5527.0, 5683.0, 5706.0, 5703.0, 5395.0, 5312.0, 5344.0, 5487.0, 5447.0, 5415.0, 5586.0, 5515.0, 5495.0, 5455.0, 5294.0, 5480.0, 5513.0, 5660.0, 5518.0, 5631.0, 5680.0, 5342.0, 5300.0, 5704.0, 5618.0, 5514.0, 5560.0, 5272.0, 5369.0, 5468.0, 5441.0, 5501.0, 5387.0, 5287.0, 5723.0, 5621.0, 5613.0, 5461.0, 5476.0, 5286.0, 5306.0, 5429.0, 5489.0, 5485.0, 5376.0, 5437.0, 5372.0, 5498.0, 5507.0, 5630.0, 5341.0, 5310.0, 5499.0, 5673.0, 5465.0, 5406.0, 5283.0, 5497.0, 5648.0, 5632.0, 5681.0, 5353.0, 5579.0, 5663.0, 5386.0, 5548.0, 5413.0, 5346.0, 5265.0, 5357.0, 5425.0, 5529.0, 5510.0, 5414.0, 5713.0, 5270.0, 5315.0, 5620.0, 5676.0, 5333.0, 5685.0, 5700.0, 5598.0, 5654.0, 5362.0, 5635.0, 5572.0, 5405.0, 5643.0, 5293.0, 5382.0, 5653.0, 5321.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|---|
| | | | | | | 5616.0, 5334.0, 5568.0, 5347.0 (number of hits: 17) |
| 25 | 5530.0 | 9 | 1.0 | 333 | 1 | 5475.0, 5616.0, 5500.0, 5361.0, 5359.0, 5559.0, 5543.0, 5462.0, 5586.0, 5597.0, 5664.0, 5524.0, 5598.0, 5281.0, 5526.0, 5673.0, 5679.0, 5693.0, 5717.0, 5512.0, 5376.0, 5449.0, 5626.0, 5627.0, 5579.0, 5711.0, 5676.0, 5697.0, 5505.0, 5467.0, 5662.0, 5667.0, 5431.0, 5521.0, 5550.0, 5292.0, 5335.0, 5705.0, 5338.0, 5652.0, 5548.0, 5610.0, 5600.0, 5720.0, 5476.0, 5418.0, 5581.0, 5516.0, 5639.0, 5568.0, 5508.0, 5463.0, 5540.0, 5300.0, 5723.0, 5669.0, 5473.0, 5419.0, 5714.0, 5573.0, 5696.0, 5390.0, 5308.0, 5344.0, 5640.0, 5360.0, 5375.0, 5328.0, 5683.0, 5391.0, 5444.0, 5493.0, 5590.0, 5591.0, 5599.0, 5428.0, 5374.0, 5349.0, 5668.0, 5454.0, 5506.0, 5332.0, 5564.0, 5523.0, 5538.0, 5602.0, 5495.0, 5641.0, 5298.0, 5478.0, 5348.0, 5634.0, 5520.0, 5563.0, 5529.0, 5309.0, 5584.0, 5441.0, 5263.0, 5681.0 (number of hits: 22) |
| 26 | 5530.0 | 9 | 1.0 | 333 | 1 | 5613.0, 5466.0, 5499.0, 5415.0, 5691.0, 5387.0, 5478.0, 5645.0, 5266.0, 5420.0, 5257.0, 5418.0, 5619.0, 5712.0, 5685.0, 5697.0, 5690.0, 5291.0, 5290.0, 5368.0, 5403.0, 5333.0, 5687.0, 5546.0, 5607.0, 5425.0, 5355.0, 5446.0, 5296.0, 5597.0, 5322.0, 5465.0, 5599.0, 5336.0, 5396.0, 5282.0, 5299.0, 5298.0, 5511.0, 5563.0, 5614.0, 5477.0, 5615.0, 5331.0, 5306.0, 5548.0, 5433.0, 5437.0, 5413.0, 5432.0, 5714.0, 5459.0, 5703.0, 5484.0, 5672.0, 5664.0, 5302.0, 5693.0, 5316.0, 5388.0, 5392.0, 5279.0, 5661.0, 5688.0, 5401.0, 5452.0, 5273.0, 5390.0, 5384.0, 5325.0, 5572.0, 5552.0, 5476.0, 5315.0, 5258.0, 5581.0, 5488.0, 5448.0, 5487.0, 5666.0, 5326.0, 5468.0, 5710.0, 5261.0, 5702.0, 5692.0, 5683.0, 5633.0, 5513.0, 5534.0, 5349.0, 5364.0, 5426.0, 5720.0, 5573.0, 5555.0, 5570.0, 5606.0, 5391.0, 5520.0 (number of hits: 10) |
| 27 | 5530.0 | 9 | 1.0 | 333 | 1 | 5535.0, 5402.0, 5630.0, 5253.0, 5431.0, 5388.0, 5499.0, 5646.0, 5466.0, 5534.0, 5487.0, 5305.0, 5623.0, 5601.0, 5260.0, 5598.0, 5639.0, 5633.0, 5318.0, 5264.0, 5369.0, 5437.0, 5404.0, 5336.0, 5293.0, 5411.0, 5301.0, 5692.0, 5364.0, 5707.0, 5341.0, 5536.0, 5355.0, 5552.0, 5483.0, 5663.0, 5704.0, 5557.0, 5518.0, 5650.0, 5616.0, 5450.0, 5383.0, 5366.0, 5367.0, 5551.0, 5572.0, 5618.0, 5576.0, 5720.0, 5683.0, 5509.0, 5315.0, 5440.0, 5539.0, 5365.0, 5544.0, 5329.0, 5543.0, 5709.0, 5712.0, 5279.0, 5360.0, 5382.0, 5608.0, 5359.0, 5374.0, 5356.0, 5461.0, 5573.0, 5631.0, 5526.0, 5467.0, 5585.0, 5545.0, 5622.0, 5310.0, 5254.0, 5525.0, 5362.0, 5538.0, 5420.0, 5476.0, 5480.0, 5465.0, 5719.0, 5288.0, 5559.0, 5548.0, 5432.0, 5391.0, 5606.0, 5531.0, 5653.0, 5415.0, 5453.0, 5297.0, 5698.0, 5635.0, 5629.0 (number of hits: 19) |
| 28 | 5530.0 | 9 | 1.0 | 333 | 1 | 5705.0, 5284.0, 5472.0, 5437.0, 5365.0, 5640.0, 5636.0, 5577.0, 5572.0, 5262.0, 5688.0, 5722.0, 5703.0, 5571.0, 5466.0, 5260.0, 5346.0, 5331.0, 5296.0, 5387.0, 5318.0, 5268.0, 5454.0, 5653.0, 5338.0, 5607.0, 5386.0, 5364.0, 5558.0, 5455.0, 5634.0, 5463.0, 5563.0, 5713.0, 5578.0, 5470.0, 5274.0, 5509.0, 5500.0, 5413.0, 5366.0, 5586.0, 5520.0, 5451.0, 5381.0, 5488.0, 5681.0, 5277.0, 5478.0, 5259.0, 5666.0, 5392.0, 5512.0, 5334.0, 5620.0, 5316.0, 5441.0, 5627.0, 5370.0, 5576.0, 5426.0, 5594.0, 5615.0, 5630.0, 5315.0, 5255.0, 5332.0, 5409.0, 5446.0, 5639.0, 5485.0, 5456.0, 5269.0, 5337.0, 5378.0, 5513.0, 5591.0, 5702.0, 5461.0, 5410.0, 5658.0, 5536.0, 5299.0, 5600.0, 5279.0, 5507.0, 5505.0, 5367.0, 5401.0, 5623.0, 5398.0, 5305.0, 5490.0, 5476.0, 5704.0, 5445.0, 5679.0, 5288.0, 5581.0, 5278.0 (number of hits: 10) |
| 29 | 5530.0 | 9 | 1.0 | 333 | 1 | 5599.0, 5475.0, 5632.0, 5668.0, 5365.0, 5406.0, 5545.0, 5362.0, 5505.0, 5411.0, 5277.0, 5263.0, 5514.0, 5572.0, 5420.0, 5424.0, 5345.0, 5506.0, 5280.0, 5255.0, 5597.0, 5677.0, 5497.0, 5393.0, 5525.0, 5462.0, 5353.0, 5309.0, 5341.0, 5635.0, 5273.0, 5427.0, 5472.0, 5443.0, 5315.0, 5394.0, 5469.0, 5366.0, 5317.0, 5675.0, 5292.0, 5544.0, 5571.0, 5524.0, 5511.0, 5325.0, 5515.0, 5372.0, 5528.0, 5611.0, 5578.0, 5399.0, 5316.0, 5693.0, 5410.0, 5522.0, 5685.0, 5457.0, 5499.0, 5684.0, 5398.0, 5407.0, 5607.0, 5278.0, |

| | | | | | | |
|----|--------|---|-----|-----|---|--|
| | | | | | | 5358.0, 5537.0, 5692.0, 5634.0, 5508.0, 5566.0, 5286.0, 5588.0, 5446.0, 5403.0, 5565.0, 5262.0, 5455.0, 5250.0, 5363.0, 5408.0, 5346.0, 5547.0, 5435.0, 5627.0, 5558.0, 5268.0, 5373.0, 5396.0, 5392.0, 5542.0, 5474.0, 5252.0, 5666.0, 5327.0, 5689.0, 5500.0, 5722.0, 5661.0, 5284.0, 5468.0 (number of hits: 21) |
| 30 | 5530.0 | 9 | 1.0 | 333 | 1 | 5712.0, 5492.0, 5500.0, 5383.0, 5320.0, 5705.0, 5463.0, 5316.0, 5591.0, 5502.0, 5574.0, 5398.0, 5436.0, 5370.0, 5470.0, 5367.0, 5551.0, 5428.0, 5314.0, 5696.0, 5471.0, 5581.0, 5687.0, 5537.0, 5333.0, 5363.0, 5484.0, 5595.0, 5624.0, 5344.0, 5626.0, 5298.0, 5346.0, 5659.0, 5674.0, 5419.0, 5351.0, 5498.0, 5264.0, 5301.0, 5507.0, 5433.0, 5557.0, 5635.0, 5490.0, 5547.0, 5326.0, 5522.0, 5633.0, 5385.0, 5270.0, 5435.0, 5702.0, 5521.0, 5619.0, 5648.0, 5720.0, 5275.0, 5677.0, 5271.0, 5604.0, 5391.0, 5400.0, 5396.0, 5287.0, 5613.0, 5553.0, 5485.0, 5281.0, 5504.0, 5616.0, 5636.0, 5607.0, 5426.0, 5469.0, 5304.0, 5587.0, 5388.0, 5545.0, 5387.0, 5684.0, 5430.0, 5707.0, 5573.0, 5268.0, 5605.0, 5576.0, 5691.0, 5614.0, 5603.0, 5361.0, 5349.0, 5709.0, 5608.0, 5527.0, 5489.0, 5434.0, 5680.0, 5293.0, 5615.0 (number of hits: 15) |

**AP Mode
Pine Radio****5570 MHz, 160 MHz Bandwidth**

| Radar Signal Type | Waveform/Trial Number | Detection (%) | Limit (%) | Pass/Fail |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| Type 1A/1B | 30 | 96.7 % | 60% | Pass |
| Type 2 | 30 | 90 % | 60% | Pass |
| Type 3 | 30 | 83.3 % | 60% | Pass |
| Type 4 | 30 | 80 % | 60% | Pass |
| Aggregate (Type1 to 4) | 120 | 87.5 % | 80% | Pass |
| Type 5 | 30 | 100 % | 80% | Pass |
| Type 6 | 30 | 100 % | 70% | Pass |

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

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 58 | 1.0 | 918 | 1 |
| 2 | 89 | 1.0 | 598 | 1 |
| 3 | 59 | 1.0 | 898 | 1 |
| 4 | 68 | 1.0 | 778 | 1 |
| 5 | 67 | 1.0 | 798 | 1 |
| 6 | 92 | 1.0 | 578 | 1 |
| 7 | 95 | 1.0 | 558 | 1 |
| 8 | 74 | 1.0 | 718 | 0 |
| 9 | 70 | 1.0 | 758 | 1 |
| 10 | 102 | 1.0 | 518 | 1 |
| 11 | 63 | 1.0 | 838 | 1 |
| 12 | 62 | 1.0 | 858 | 1 |
| 13 | 61 | 1.0 | 878 | 1 |
| 14 | 72 | 1.0 | 738 | 1 |
| 15 | 76 | 1.0 | 698 | 1 |
| 1 | 49 | 1.0 | 1093 | 1 |
| 2 | 20 | 1.0 | 2665 | 1 |
| 3 | 28 | 1.0 | 1948 | 1 |
| 4 | 21 | 1.0 | 2576 | 1 |
| 5 | 23 | 1.0 | 2394 | 1 |
| 6 | 33 | 1.0 | 1629 | 1 |
| 7 | 45 | 1.0 | 1173 | 1 |
| 8 | 19 | 1.0 | 2813 | 1 |
| 9 | 35 | 1.0 | 1546 | 1 |
| 10 | 50 | 1.0 | 1065 | 1 |
| 11 | 24 | 1.0 | 2215 | 1 |
| 12 | 57 | 1.0 | 939 | 1 |
| 13 | 23 | 1.0 | 2368 | 1 |
| 14 | 24 | 1.0 | 2281 | 1 |
| 15 | 20 | 1.0 | 2777 | 1 |
| Detection Percentage: 96.7 % (>60%) | | | | |

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

| Trial # | Pulse/Burst | Pulse Width (μS) | PRI (μs) | Detection (1:yes; 0:no) |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1 | 27 | 3.7 | 182 | 1 |
| 2 | 26 | 4.4 | 182 | 1 |
| 3 | 25 | 4.7 | 217 | 1 |
| 4 | 28 | 4.7 | 190 | 1 |
| 5 | 28 | 4.5 | 205 | 1 |
| 6 | 28 | 1.2 | 158 | 1 |
| 7 | 29 | 2.1 | 154 | 1 |
| 8 | 28 | 1.3 | 220 | 1 |
| 9 | 26 | 2.4 | 171 | 1 |
| 10 | 28 | 4.8 | 159 | 1 |
| 11 | 29 | 1.6 | 205 | 1 |
| 12 | 28 | 1.7 | 166 | 1 |
| 13 | 25 | 2.5 | 204 | 1 |
| 14 | 28 | 4.2 | 174 | 1 |
| 15 | 24 | 3.9 | 184 | 1 |
| 16 | 24 | 2.0 | 153 | 1 |
| 17 | 25 | 4.7 | 155 | 0 |
| 18 | 28 | 2.8 | 197 | 1 |
| 19 | 23 | 2.1 | 196 | 1 |
| 20 | 26 | 4.9 | 173 | 0 |
| 21 | 28 | 2.2 | 193 | 1 |
| 22 | 29 | 1.2 | 169 | 0 |
| 23 | 23 | 4.2 | 191 | 1 |
| 24 | 27 | 4.4 | 159 | 1 |
| 25 | 25 | 3.6 | 207 | 1 |
| 26 | 25 | 3.0 | 170 | 1 |
| 27 | 28 | 3.1 | 196 | 1 |
| 28 | 25 | 1.2 | 187 | 1 |
| 29 | 28 | 4.1 | 155 | 1 |
| 30 | 26 | 3.0 | 157 | 1 |
| Detection Percentage: 90 % (>60%) | | | | |

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

| Trial # | Pulse/Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) |
|---|-------------|------------------|----------|-------------------------|
| 1 | 17 | 7.4 | 258 | 0 |
| 2 | 16 | 9.2 | 428 | 1 |
| 3 | 16 | 7.3 | 279 | 1 |
| 4 | 18 | 6.9 | 219 | 1 |
| 5 | 17 | 7.4 | 404 | 1 |
| 6 | 16 | 7.3 | 355 | 0 |
| 7 | 17 | 6.1 | 310 | 1 |
| 8 | 16 | 6.6 | 240 | 1 |
| 9 | 18 | 9.3 | 498 | 1 |
| 10 | 17 | 6.7 | 303 | 1 |
| 11 | 17 | 9.8 | 352 | 1 |
| 12 | 17 | 7.0 | 428 | 1 |
| 13 | 18 | 8.3 | 219 | 1 |
| 14 | 18 | 9.0 | 335 | 0 |
| 15 | 18 | 6.1 | 289 | 1 |
| 16 | 18 | 8.6 | 395 | 1 |
| 17 | 16 | 6.9 | 289 | 0 |
| 18 | 16 | 9.9 | 375 | 1 |
| 19 | 17 | 9.2 | 433 | 1 |
| 20 | 17 | 8.5 | 488 | 1 |
| 21 | 17 | 8.8 | 356 | 1 |
| 22 | 18 | 6.5 | 388 | 1 |
| 23 | 18 | 6.3 | 341 | 1 |
| 24 | 16 | 7.4 | 276 | 1 |
| 25 | 17 | 9.4 | 220 | 1 |
| 26 | 16 | 7.4 | 208 | 1 |
| 27 | 16 | 7.5 | 362 | 1 |
| 28 | 16 | 6.0 | 309 | 0 |
| 29 | 18 | 7.1 | 289 | 1 |
| 30 | 18 | 8.6 | 239 | 1 |
| Detection Percentage: 83.3 % (>60%) | | | | |

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

| Trial # | Pulse/Burst | Pulse Width (µS) | PRI (µs) | Detection (1:yes; 0:no) |
|---|-------------|------------------|----------|-------------------------|
| 1 | 12 | 15.1 | 373 | 1 |
| 2 | 12 | 15.6 | 207 | 0 |
| 3 | 13 | 14.3 | 397 | 1 |
| 4 | 14 | 13.3 | 256 | 1 |
| 5 | 15 | 19.4 | 473 | 1 |
| 6 | 12 | 11.4 | 201 | 1 |
| 7 | 15 | 13.0 | 453 | 1 |
| 8 | 16 | 19.2 | 493 | 1 |
| 9 | 15 | 14.8 | 220 | 1 |
| 10 | 15 | 16.1 | 342 | 1 |
| 11 | 13 | 18.9 | 460 | 1 |
| 12 | 16 | 17.7 | 209 | 0 |
| 13 | 15 | 17.1 | 344 | 1 |
| 14 | 15 | 14.3 | 342 | 1 |
| 15 | 14 | 15.7 | 224 | 1 |
| 16 | 15 | 14.9 | 309 | 0 |
| 17 | 16 | 15.2 | 413 | 1 |
| 18 | 14 | 14.4 | 422 | 0 |
| 19 | 13 | 11.3 | 385 | 1 |
| 20 | 12 | 17.1 | 227 | 1 |
| 21 | 15 | 18.3 | 373 | 1 |
| 22 | 14 | 14.2 | 400 | 0 |
| 23 | 15 | 15.5 | 410 | 1 |
| 24 | 12 | 16.7 | 215 | 1 |
| 25 | 16 | 11.9 | 483 | 1 |
| 26 | 13 | 13.2 | 225 | 1 |
| 27 | 13 | 11.3 | 284 | 1 |
| 28 | 14 | 13.9 | 484 | 0 |
| 29 | 13 | 16.7 | 316 | 1 |
| 30 | 12 | 18.9 | 419 | 1 |
| Detection Percentage: 80 % (>60%) | | | | |

Table-5 Radar Type 5 Statistical Performance

| Trial # | Fc (MHz) | Detection (1:yes; 0:no) |
|--|-----------------|--------------------------------|
| 1 | 5570 | 1 |
| 2 | 5570 | 1 |
| 3 | 5570 | 1 |
| 4 | 5570 | 1 |
| 5 | 5570 | 1 |
| 6 | 5570 | 1 |
| 7 | 5570 | 1 |
| 8 | 5570 | 1 |
| 9 | 5570 | 1 |
| 10 | 5570 | 1 |
| 11 | 5500.1 | 1 |
| 12 | 5497.7 | 1 |
| 13 | 5500.1 | 1 |
| 14 | 5495.7 | 1 |
| 15 | 5498.1 | 1 |
| 16 | 5500.1 | 1 |
| 17 | 5496.1 | 1 |
| 18 | 5494.9 | 1 |
| 19 | 5499.7 | 1 |
| 20 | 5498.5 | 1 |
| 21 | 5642.7 | 1 |
| 22 | 5640.7 | 1 |
| 23 | 5643.1 | 1 |
| 24 | 5639.5 | 1 |
| 25 | 5643.1 | 1 |
| 26 | 5642.3 | 1 |
| 27 | 5644.3 | 1 |
| 28 | 5643.9 | 1 |
| 29 | 5642.3 | 1 |
| 30 | 5645.1 | 1 |
| Detection Percentage: 100 % (>80%) | | |

Bin5 Statistics 1

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 6 | 89.1 | 1483 | | 0.511037 | 1 |
| 1 | 2 | 6 | 91.9 | 1602 | | 0.844270 | |
| 2 | 1 | 6 | 62.9 | | | 1.574033 | |
| 3 | 2 | 6 | 73.1 | 1558 | | 2.125472 | |
| 4 | 2 | 6 | 61.8 | 1777 | | 2.608816 | |
| 5 | 1 | 6 | 82.8 | | | 3.056418 | |
| 6 | 2 | 6 | 88.8 | 1271 | | 4.074961 | |
| 7 | 1 | 6 | 74.9 | | | 4.484684 | |
| 8 | 1 | 6 | 69.9 | | | 5.058344 | |
| 9 | 2 | 6 | 75.5 | 1395 | | 5.951574 | |
| 10 | 1 | 6 | 75.2 | | | 6.037660 | |
| 11 | 3 | 6 | 79.1 | 1872 | 1828 | 7.138527 | |
| 12 | 2 | 6 | 73.2 | 1075 | | 7.590433 | |
| 13 | 2 | 6 | 54.3 | 1337 | | 7.914198 | |
| 14 | 2 | 6 | 87.9 | 1369 | | 8.860195 | |
| 15 | 1 | 6 | 67.0 | | | 9.191439 | |
| 16 | 1 | 6 | 70.1 | | | 9.989088 | |
| 17 | 2 | 6 | 57.7 | 1773 | | 10.268650 | |
| 18 | 2 | 6 | 91.7 | 1578 | | 11.015163 | |
| 19 | 3 | 6 | 52.1 | 1807 | 1994 | 11.429127 | |

Bin5 Statistics 2

| Trial # | Pulse | Chirp (MHz) | Pulse Width (µS) | Pulse 1-2 spacing (uS) | Pulse 2-3 spacing (uS) | Pulse Start(S) | Detection (1:yes; 0:no) |
|---------|-------|-------------|------------------|------------------------|------------------------|----------------|-------------------------|
| 0 | 2 | 10 | 88.3 | 1632 | | 0.108841 | 1 |
| 1 | 2 | 10 | 71.7 | 1797 | | 0.932828 | |
| 2 | 3 | 10 | 84.9 | 1791 | 1261 | 1.899418 | |
| 3 | 2 | 10 | 64.1 | 1066 | | 2.924064 | |
| 4 | 3 | 10 | 79.7 | 1374 | 1358 | 3.367389 | |
| 5 | 3 | 10 | 52.5 | 1329 | 1221 | 4.610745 | |
| 6 | 3 | 10 | 95.1 | 1641 | 1355 | 5.084255 | |
| 7 | 2 | 10 | 79.7 | 1286 | | 6.010327 | |
| 8 | 2 | 10 | 85.3 | 1930 | | 7.066084 | |
| 9 | 1 | 10 | 67.8 | | | 7.384425 | |
| 10 | 1 | 10 | 54.0 | | | 8.373484 | |
| 11 | 3 | 10 | 51.4 | 1568 | 1054 | 9.503343 | |
| 12 | 2 | 10 | 82.2 | 1382 | | 10.003050 | |
| 13 | 2 | 10 | 61.0 | 1256 | | 10.435265 | |
| 14 | 2 | 10 | 68.6 | 1559 | | 11.500712 | |

Bin5 Statistics 3

| 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 | 1 | 12 | 99.1 | | | 0.248873 | 1 |
| 1 | 2 | 12 | 92.6 | 1248 | | 0.762164 | |
| 2 | 1 | 12 | 54.1 | | | 1.639853 | |
| 3 | 2 | 12 | 86.5 | 1462 | | 2.088190 | |
| 4 | 2 | 12 | 97.6 | 1850 | | 2.749012 | |
| 5 | 1 | 12 | 73.1 | | | 3.610338 | |
| 6 | 2 | 12 | 91.7 | 1836 | | 4.293415 | |
| 7 | 2 | 12 | 72.5 | 1723 | | 4.756415 | |
| 8 | 3 | 12 | 85.4 | 1095 | 1965 | 5.110166 | |
| 9 | 2 | 12 | 57.6 | 1505 | | 5.881612 | |
| 10 | 1 | 12 | 84.8 | | | 6.429938 | |
| 11 | 2 | 12 | 97.2 | 1933 | | 7.329313 | |
| 12 | 1 | 12 | 86.1 | | | 8.180781 | |
| 13 | 2 | 12 | 78.4 | 1399 | | 8.284338 | |
| 14 | 1 | 12 | 75.8 | | | 9.101010 | |
| 15 | 2 | 12 | 62.4 | 1359 | | 9.885413 | |
| 16 | 1 | 12 | 66.8 | | | 10.531888 | |
| 17 | 1 | 12 | 88.9 | | | 11.190795 | |
| 18 | 2 | 12 | 53.9 | 1342 | | 11.534929 | |