FCC PART 15.407
DYNAMIC FREQUENCY SELECTION
TEST REPORT

For

Cisco Systems

125 West Tasman Drive,
San Jose, CA 95134, USA

FCC ID: R5SX200

Report Type: Original Report	**Product Type:** Ultra-Reliable Wireless Backhaul
Prepared By	Tao Jin Test Engineer
Report Number	R2203212
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* 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	R2203212	Original Report	2022-10-28

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test report was prepared on behalf of *Cisco Systems*, and their product *FCC ID: R5SX200,* model: FM3200V as referred to as EUT in this report. The product is 2x2 Access Point, which supports 802.11 n20 and n40 configurations. The device supports point to point (Auto), point to multipoint (Master), and client with radar detection modes.

1.2 Mechanical Description of EUT

EUT:

Length (cm)	Width (cm)	Height (cm)	Weight (kg)	S/N
13.4	12.8	5.6	0.45	3200070210

External Antenna:

Length (cm)	Width (cm)	Height (cm)	Weight (kg)	S/N
45	14	4.5	0.70	2203212-1

1.3 Objective

This report is prepared on behalf of *Cisco Systems* in accordance with FCC CFR47 §15.407 (h) and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

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 - ISEDC) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
  - BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;
  - NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
  - EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)

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

2 EUT Test Configuration

2.1 Justification

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

2.2 EUT Exercise Software

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

The EUT firmware version: 8.6.1

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E6410	3CKRAQ1
ASUS	Laptop	FX504G	J6NRCX037440249

2.5 Remote Support Equipment

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T490	PF-274C83
Cisco	Access Point	FM1200V-HW	12002724512
Cisco	Access Point	FM3200V-HW	3200070214

2.6 Interface Ports and Cables

Cable Description	Length	To	From
Ethernet cable	2 m	PoE	EUT
Ethernet cable	2 m	EUT	Laptop

3 Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h) 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

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

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

Maximum Transmit Power	Value (See Notes 1, 2 and 3)
EIRP≥ 200 milliwatt	-64 dBm
EIRP< 200 milliwatt and power spectral density < 10dBm/MHz	-62 dBm
EIRP< 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note3**: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4: DFS Response Requirement Values

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

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

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

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

Table 5: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 6: Long Pulse Radar Test Signal

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

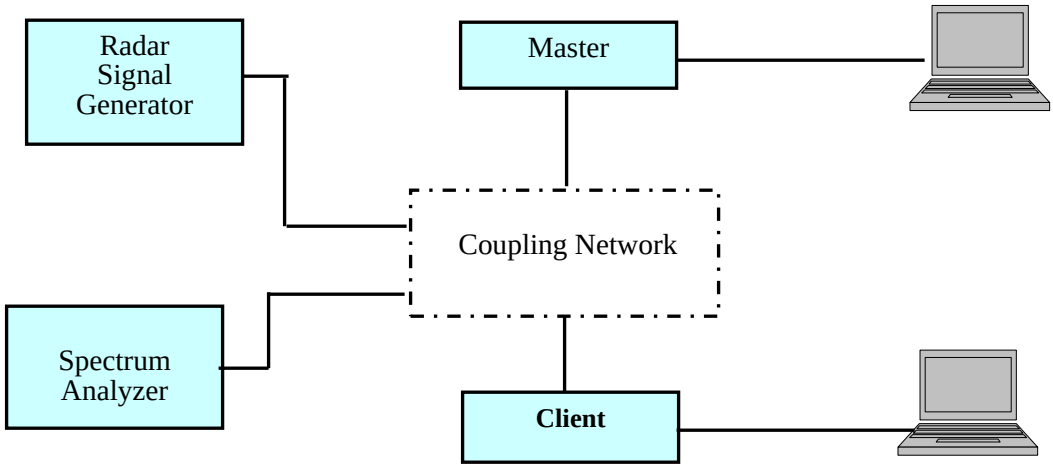
Table 7: Frequency Hopping Radar Test Signal

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

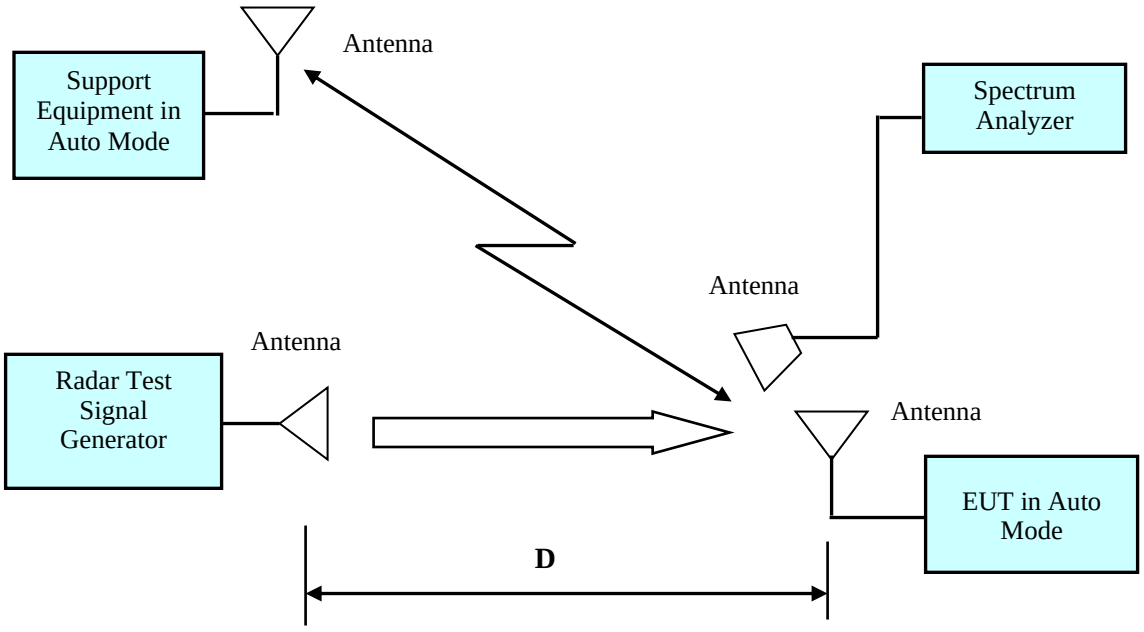
4.2 DFS Measurement System

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

4.3 System Block Diagram

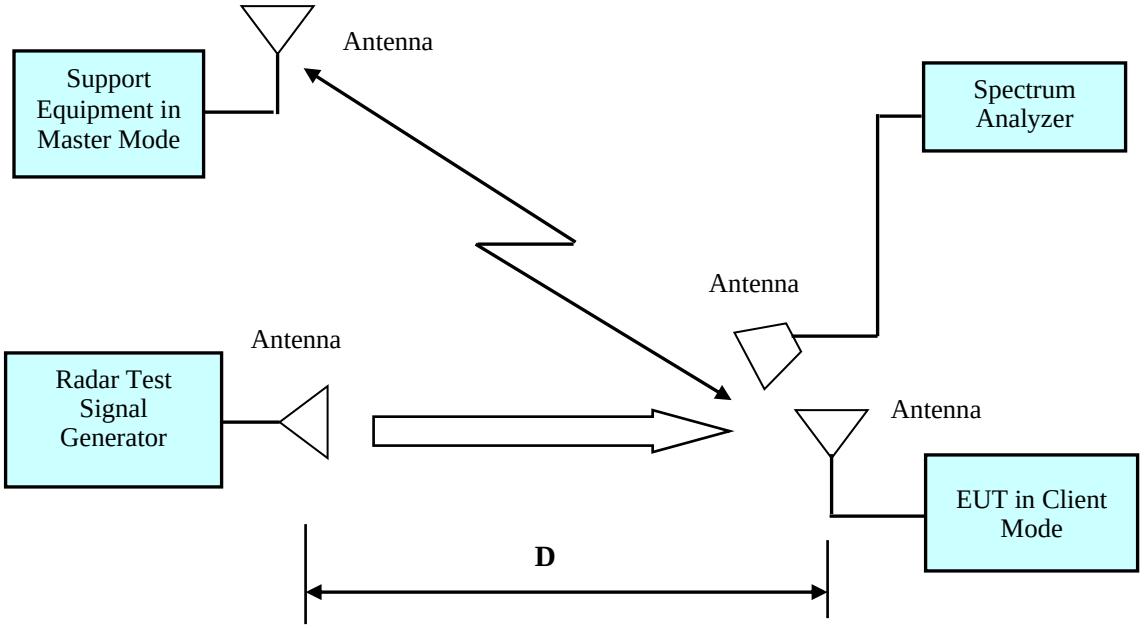


4.4 Radiated Method



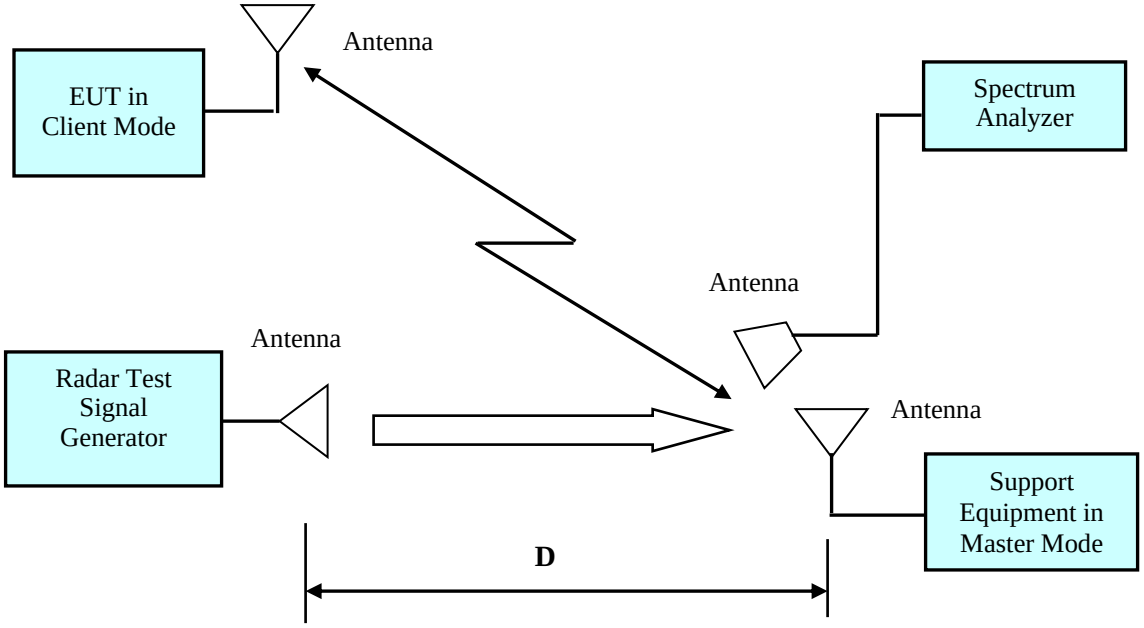
D=3m

Setup for Radiated Method for Auto Mode



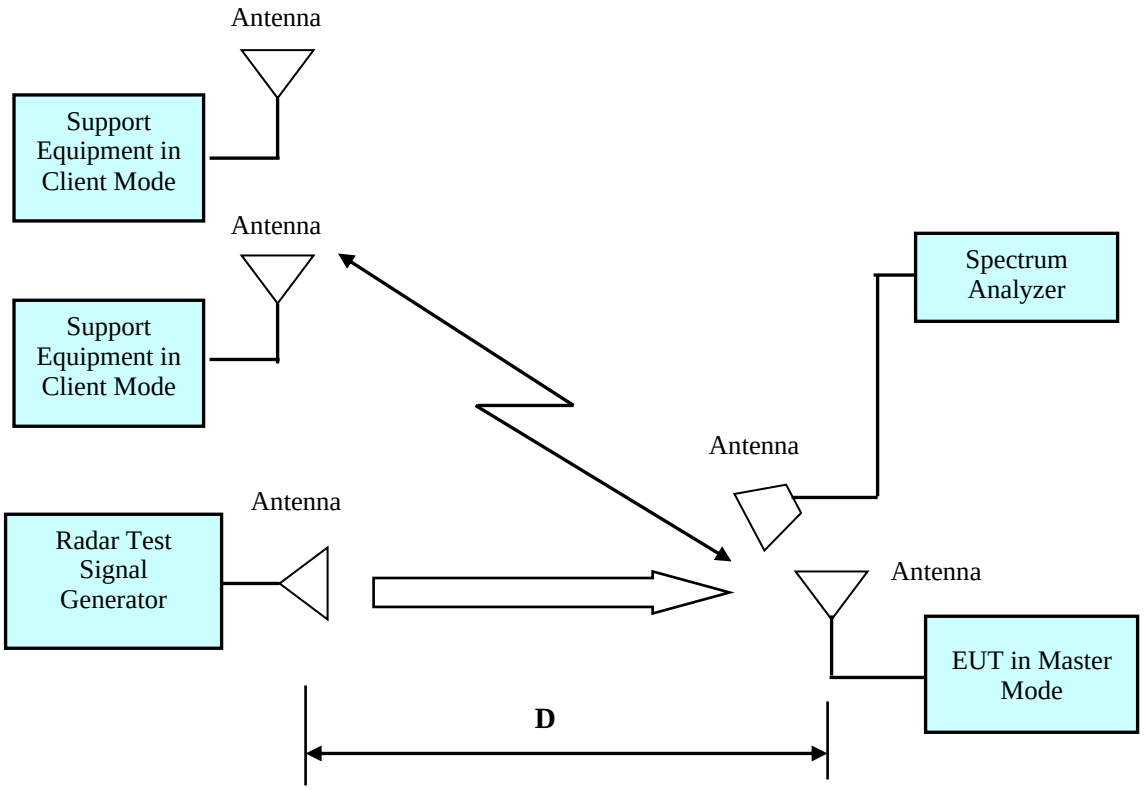
D=3m

Setup for Radiated Method for Client with Radar Detection Mode, client device is the RDD



D=3m

Setup for Radiated Method for Client with Radar Detection Mode, master device is the RDD



D=3m

Setup for Radiated Method for Master Mode

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 5500-5720 MHz and 5745-5825 MHz range in each one of three Operational Modes.

The EUT supports three 5 GHz operational modes: Master Mode, Client with Radar Detection Mode, and Auto Mode.

In Master Mode, EUT is configured to channel 104 for testing in 20 MHz bandwidth mode, and configured to channel 110 for testing in 40 MHz bandwidth mode.

In both Client Mode and Auto Mode, EUT is configured to channel 100 for testing in 20 MHz bandwidth mode, and configured to channel 102 for testing in 40 MHz bandwidth mode.

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

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

WLAN traffic is generated by iperf3

5.2 Antenna Description

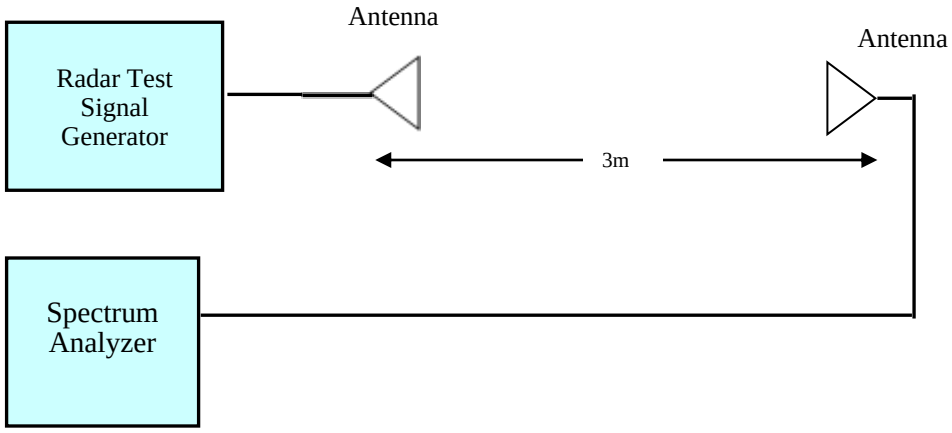
Antenna Type	Supplier	Antenna Part No.	Frequency (MHz)	Peak Antenna Gain (dBi)
Sector	N/A	JHS-5159-16D90A	5470-5725 5725-5850	16

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
424	Agilent	Analyzer, Spectrum	E4440A	US45303156	2021-12-06	1 year
473	EMCO	Horn Antenna	3115	9511-4627	2020-10-12	2 years
448	Eaton	Horn Antenna	96001	2617	Each Time	Each Time
-	-	RF Cable	-	-	Each Time	Each Time

Note[1]: cable and attenuator included in the test set-up will be checked each time before testing.
Statement of Traceability: BACL Corp. *attests that all of the calibrations on the equipment items listed above were traceable to NIST or to another internationally recognized National Metrology Institute (NMI), and were compliant with the latest version of A2LA policy P102 "A2LA Policy on Metrological Traceability".*

5.4 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.5 Test Environmental Conditions

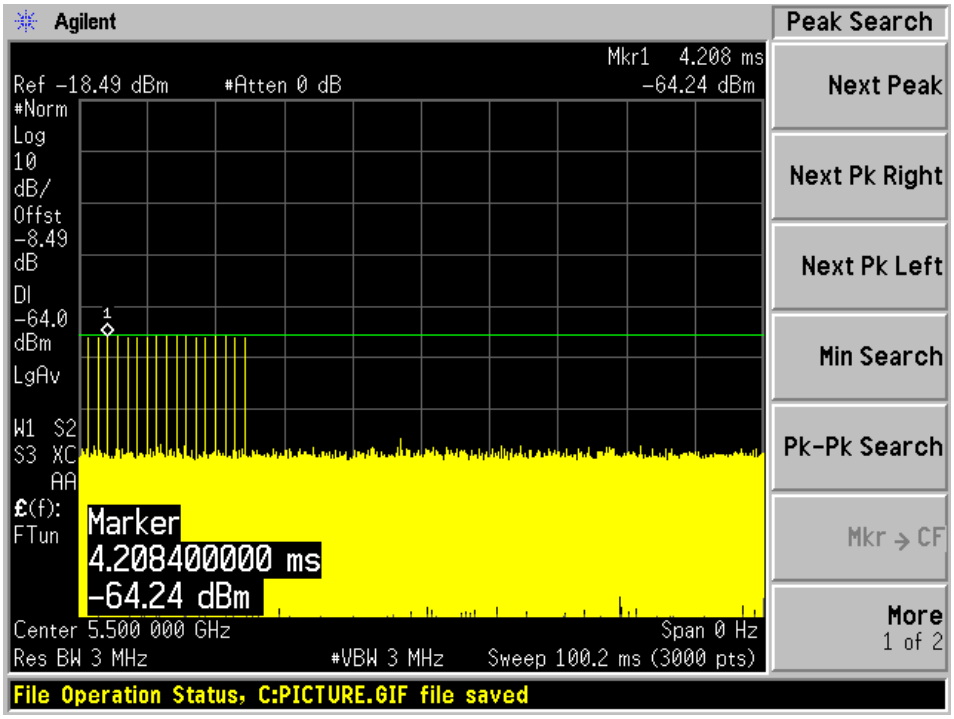
Temperature:	22-24° C
Relative Humidity:	43-49 %
ATM Pressure:	101.9 kPa

Testing was performed by Tao Jin on 2022-09-26 to 2022-09-30 at the DFS testing site.

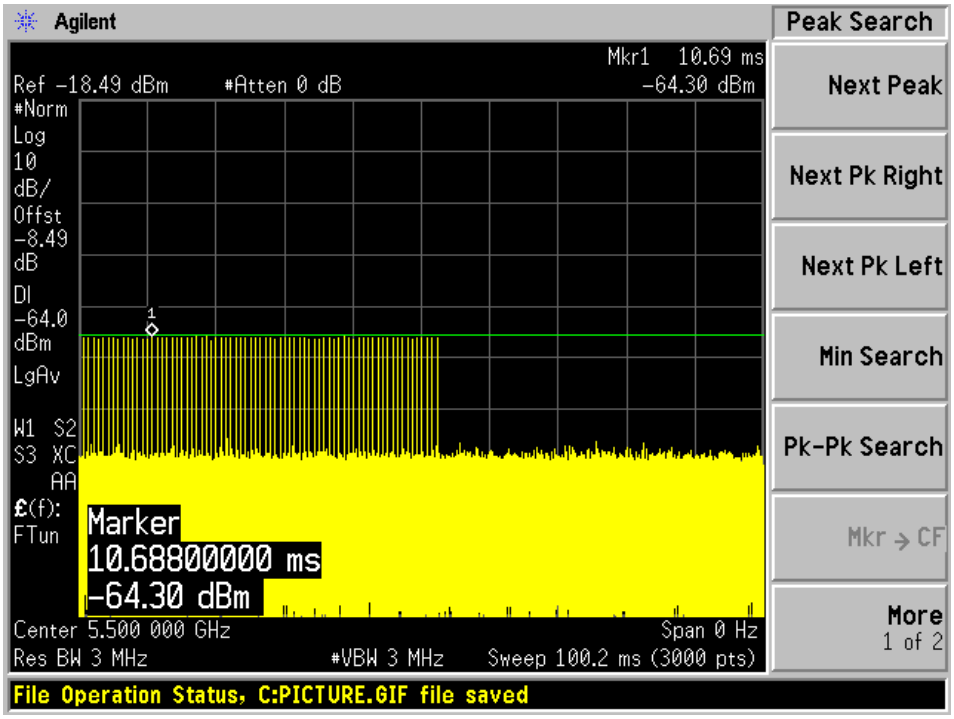
Plots of Radar Waveform

5500 MHz

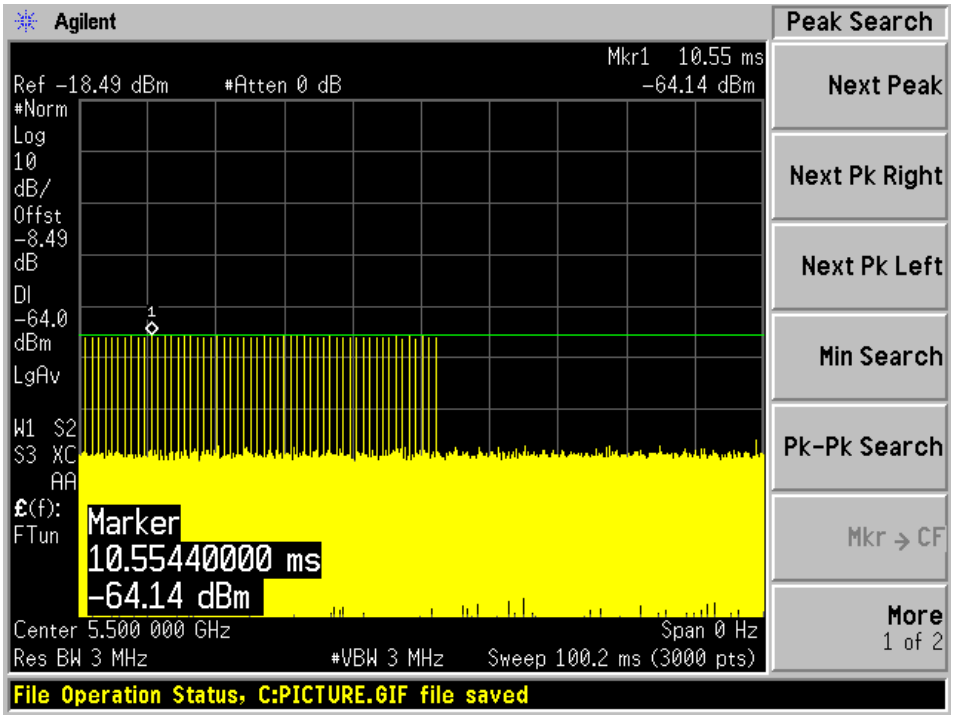
Radar Type 0



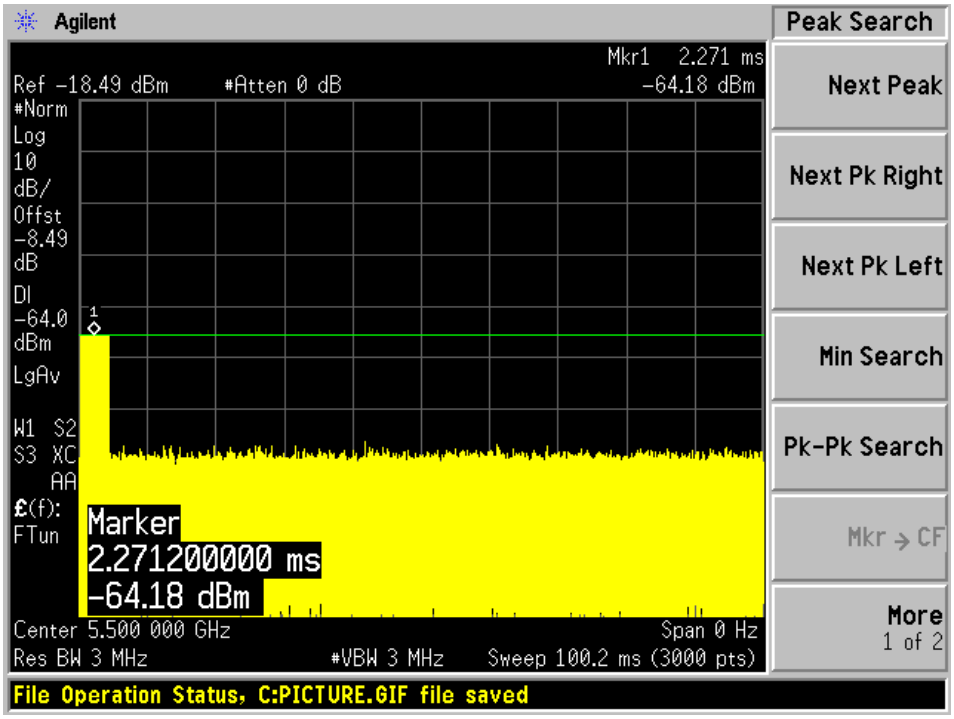
Radar Type 1A



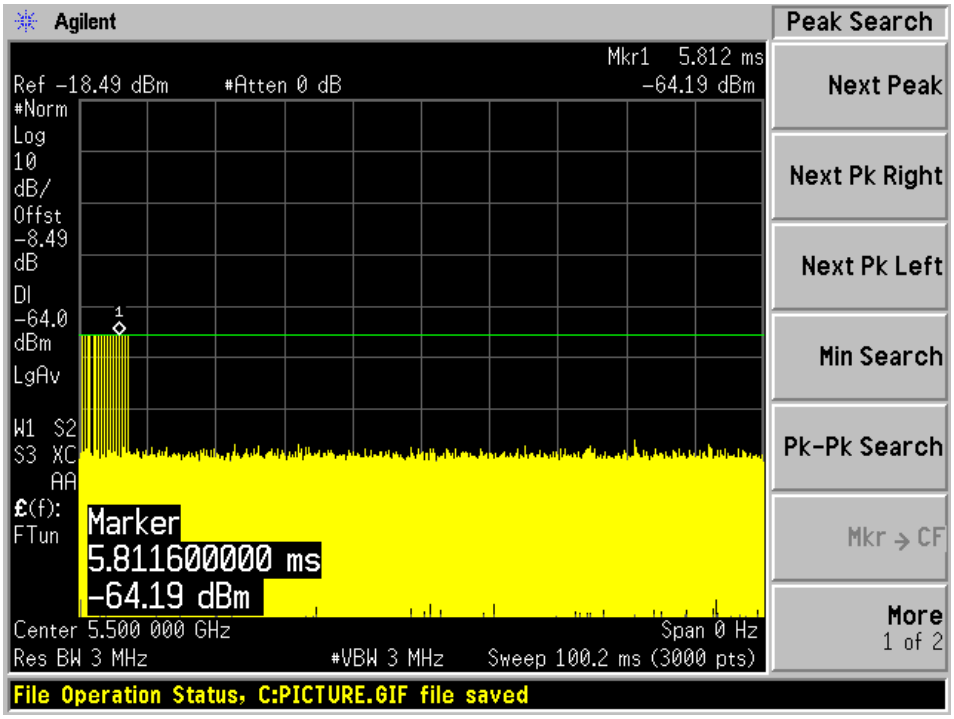
Radar Type 1B



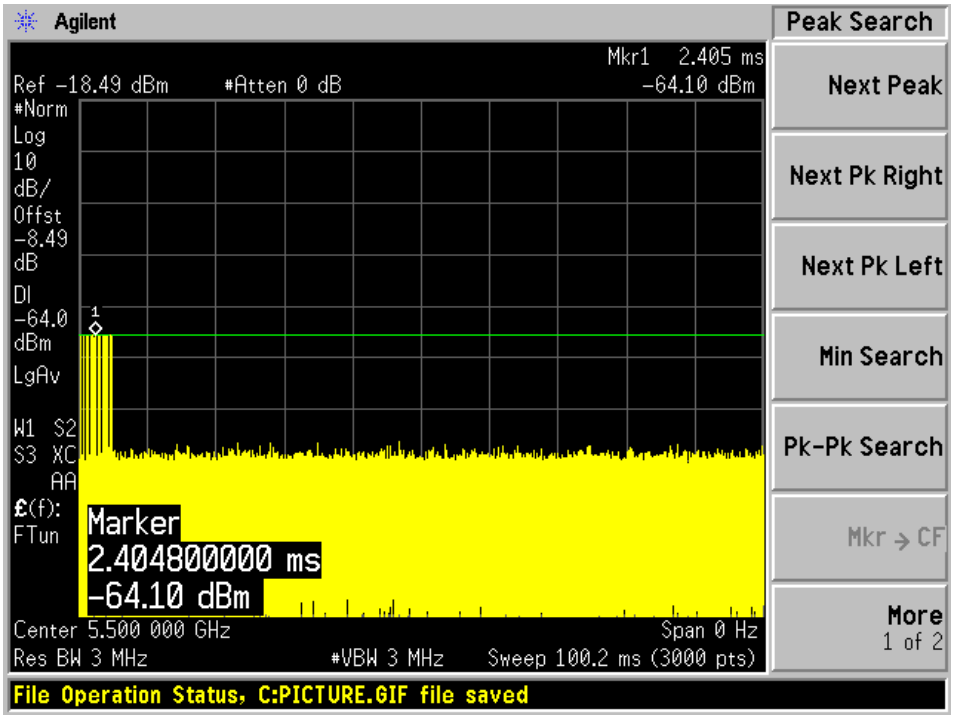
Radar Type 2



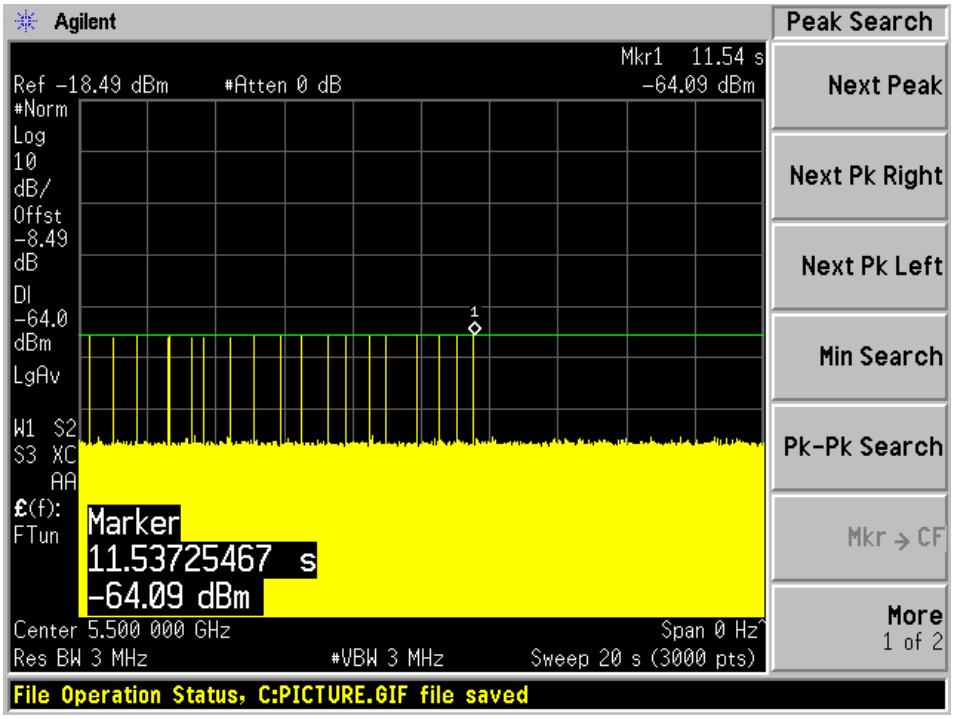
Radar Type 3



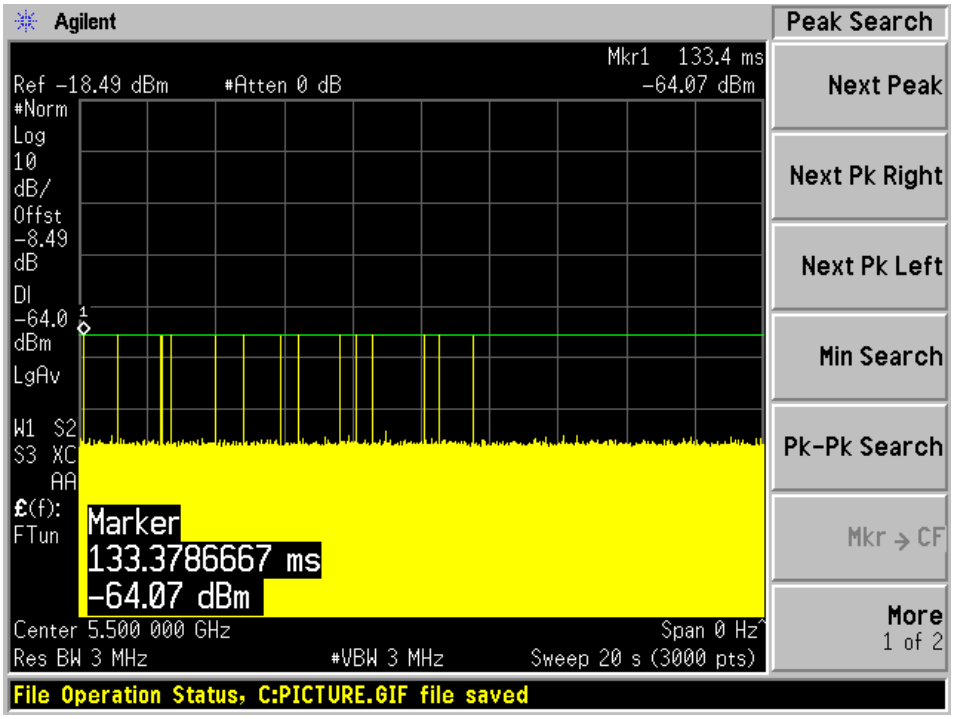
Radar Type 4



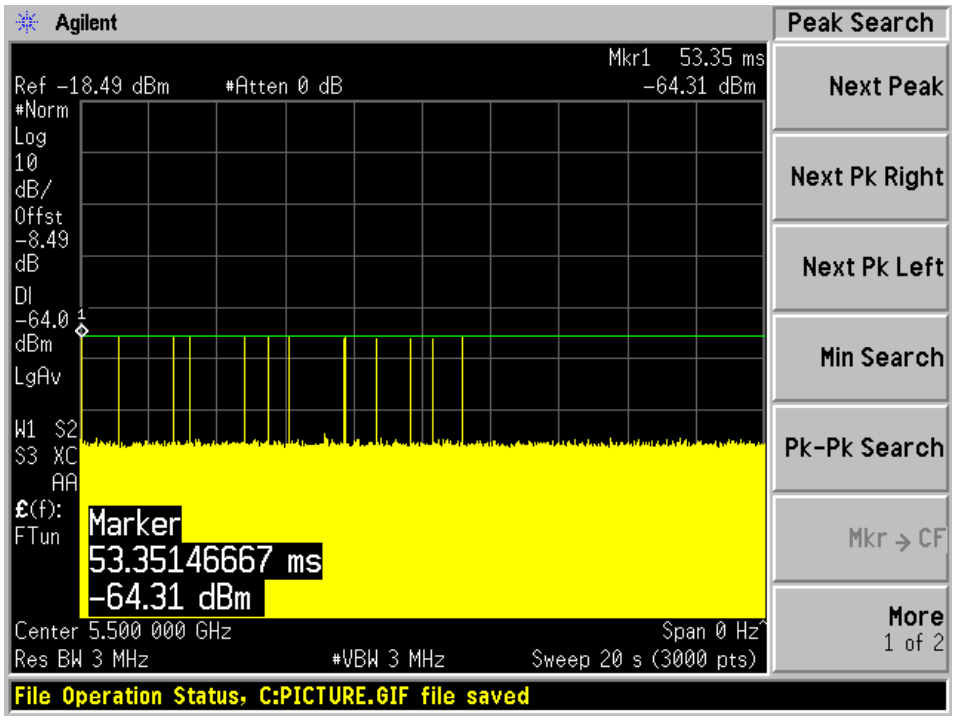
Radar Type 5 Case 1



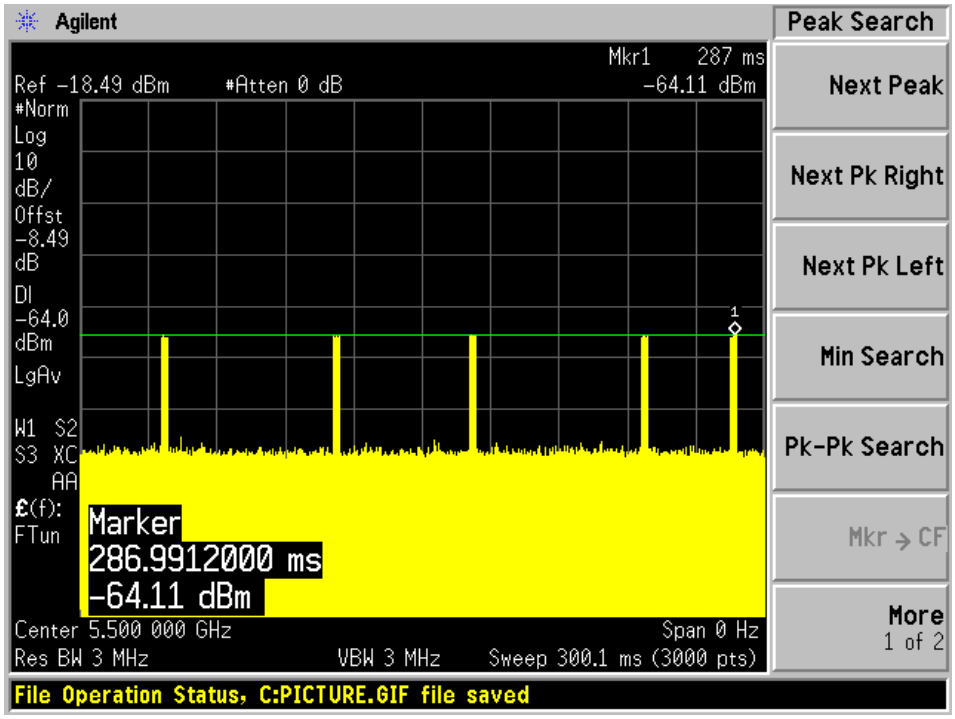
Radar Type 5 Case 2



Radar Type 5 Case 3



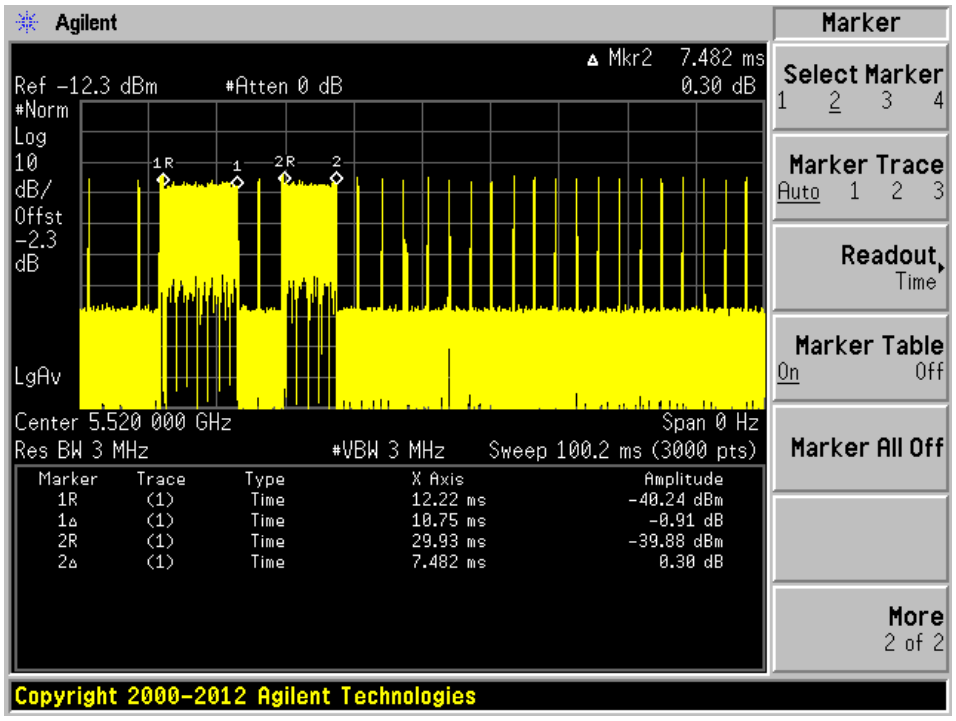
Radar Type 6



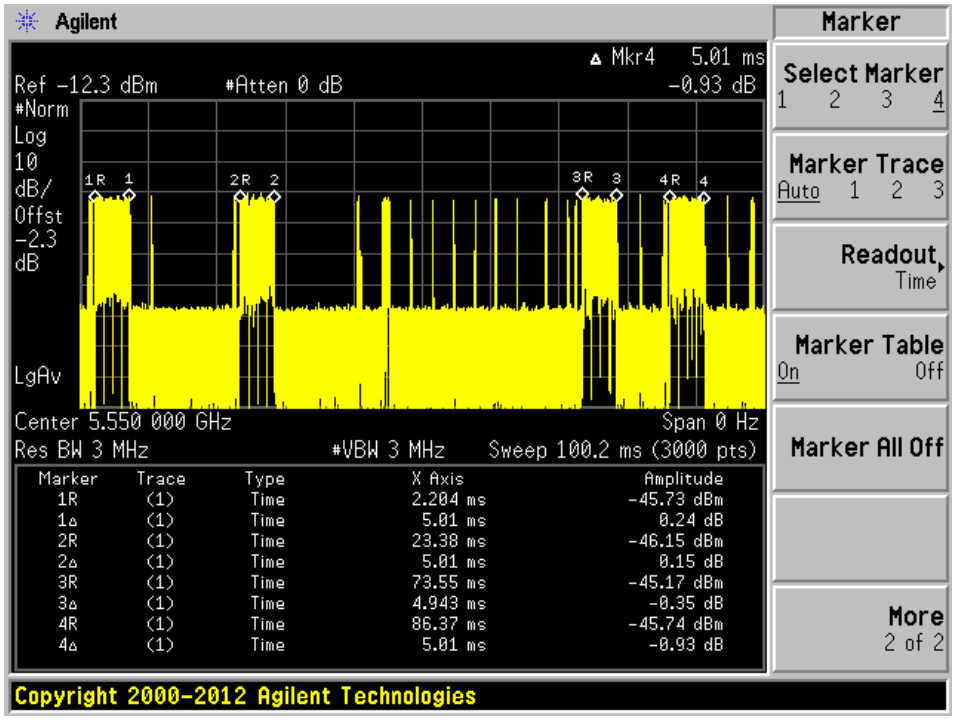
5.6 Radar Traffic Duty Cycle Example

Master Mode

20MHz bandwidth: 5520 MHz



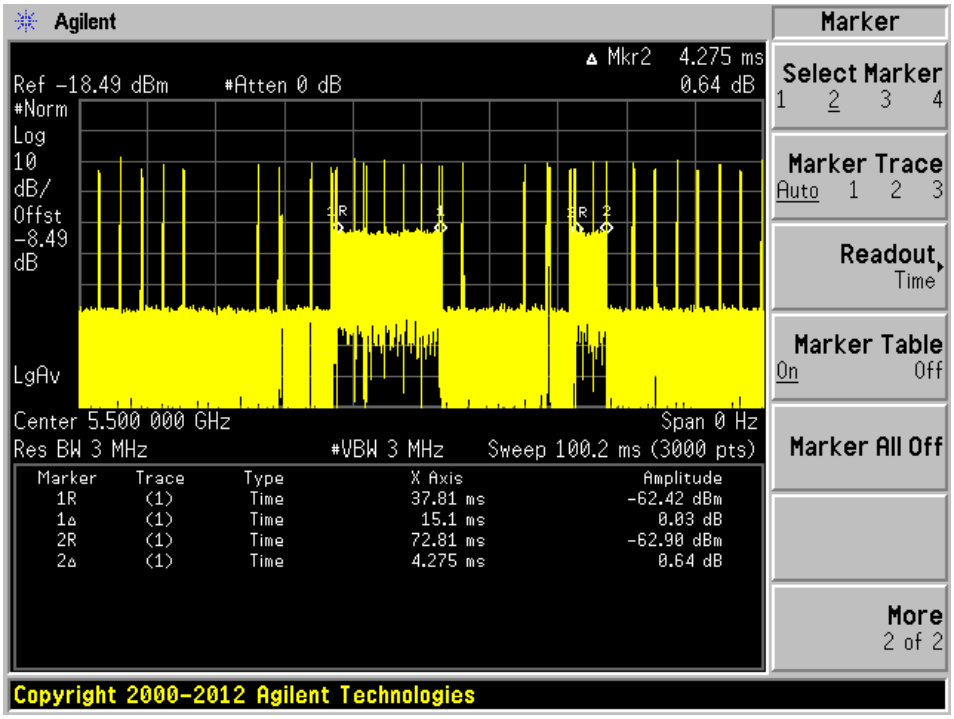
40MHz bandwidth: 5550 MHz



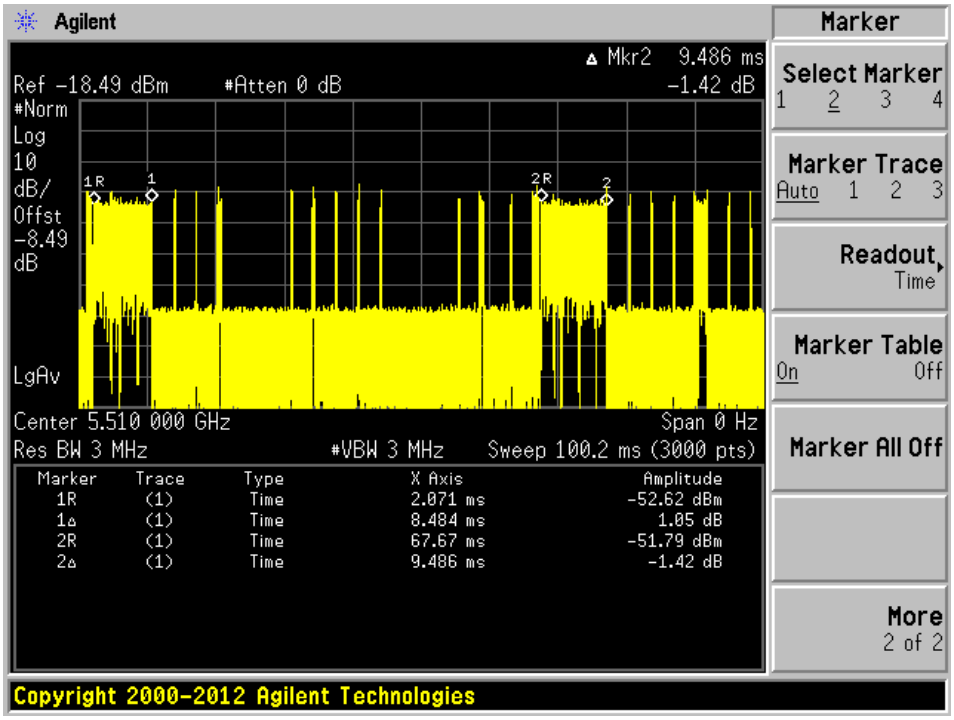
The Duty Cycle of the traffic is greater than 17%

Client Mode

20MHz bandwith: 5500 MHz



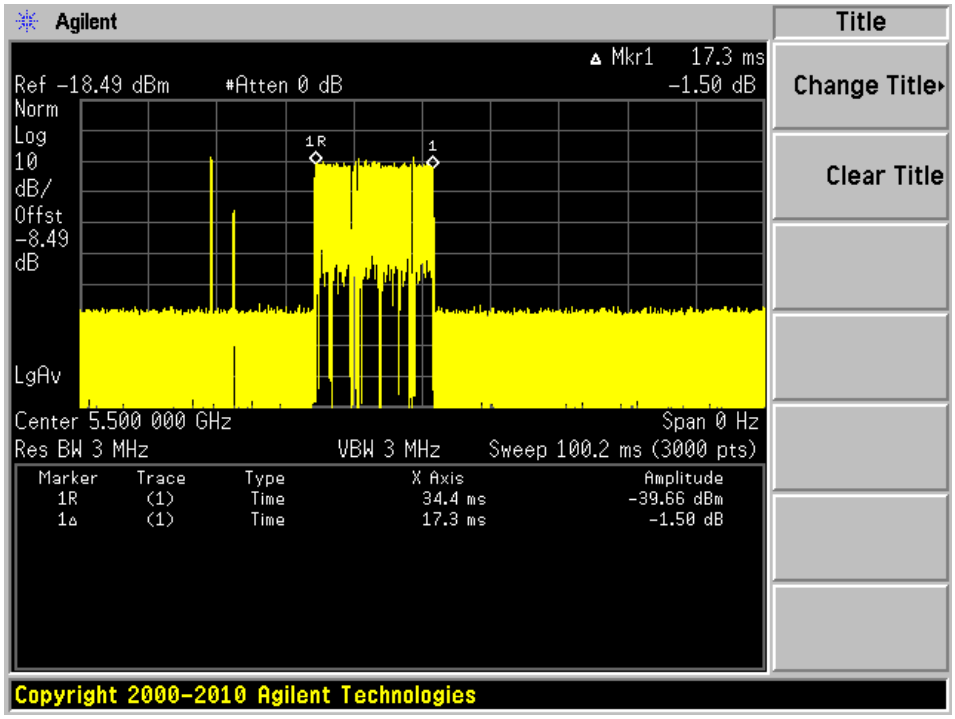
40MHz bandwith: 5510 MHz



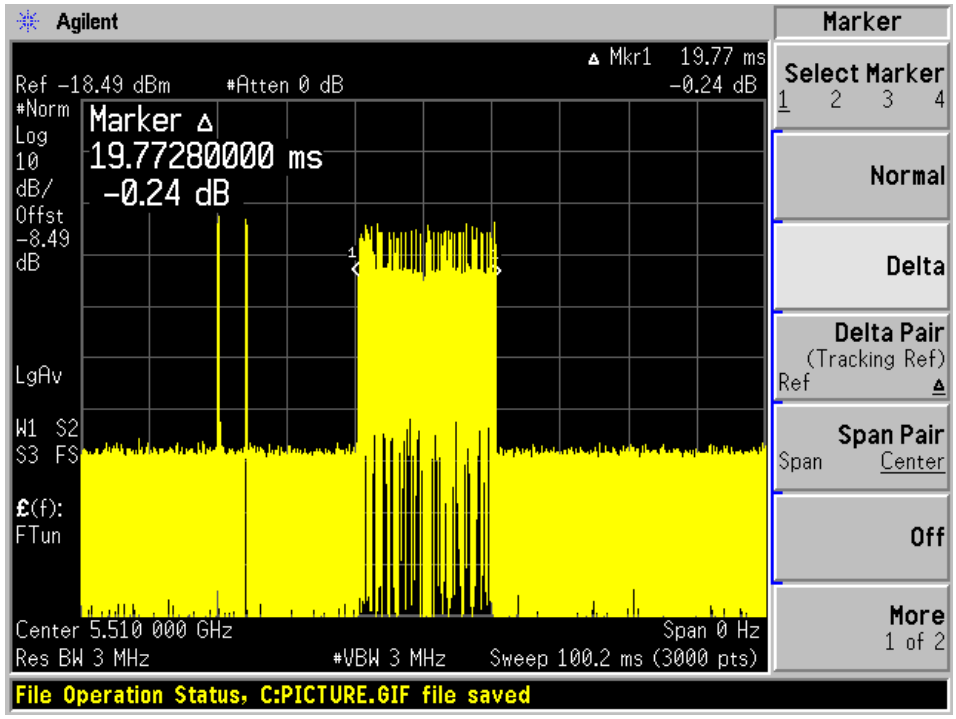
The Duty Cycle of the traffic is greater than 17%

Auto Mode

20MHz bandwith: 5500MHz



40MHz bandwith: 5510MHz



The Duty Cycle of the traffic is greater than 17%

6 Channel Availability Check Time (CAC)

6.1 Test Procedure

Master Mode procedure

1) On device Web GUI, set mode to Master mode and channel to channel 104 with 5520 MHz center frequency, then manually power cycle the EUT. Meanwhile, record the power cycle time together with CAC time. Use the total time minus 60 seconds to get the power cycle time.

2) Reboot the EUT again, apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer.

3) Reboot EUT, apply a radar signal within 54~60 seconds after the power cycle time ended, and monitor the transmission on channel from the spectrum analyzer.

Auto Mode procedure

1) On device Web GUI, setup EUT to Auto Mode and set channel to channel 104. Manually power cycle the EUT. Meanwhile, record the power cycle time together with CAC time. Record the total time and use the total time minus 60 seconds to get the power cycle time.

2) Reboot the EUT again, using the same way to config the EUT and apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer.

3) Reboot the EUT again, using the same way to config the EUT, apply a radar signal within 54~60 seconds after the power cycle time ended, and monitor the transmission on channel from the spectrum analyzer.

6.2 Results:

Master Mode

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

Auto Mode

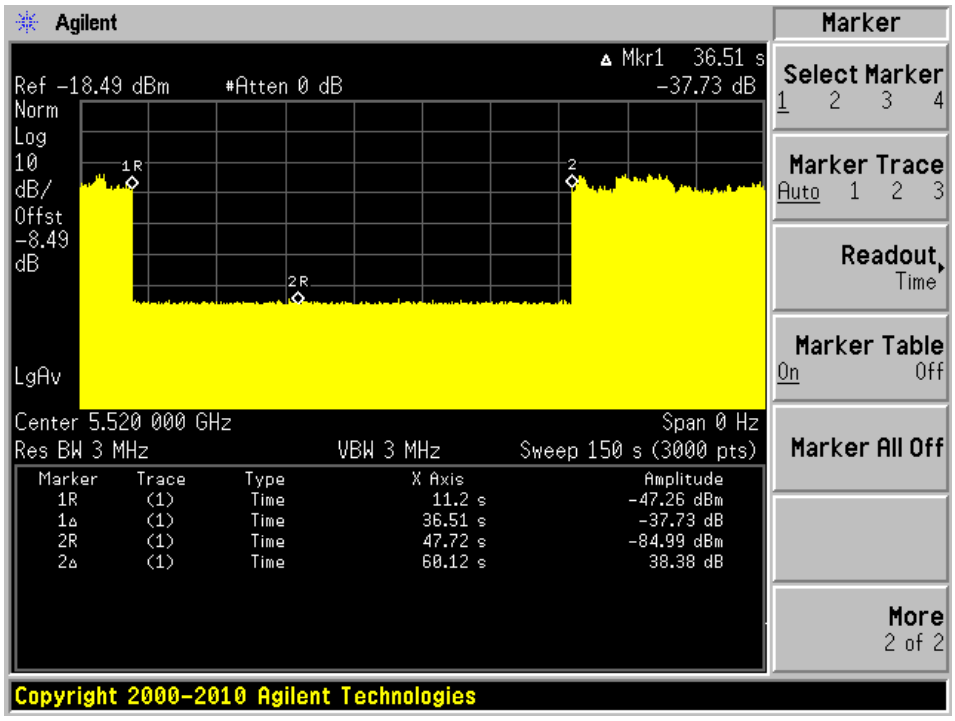
Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

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

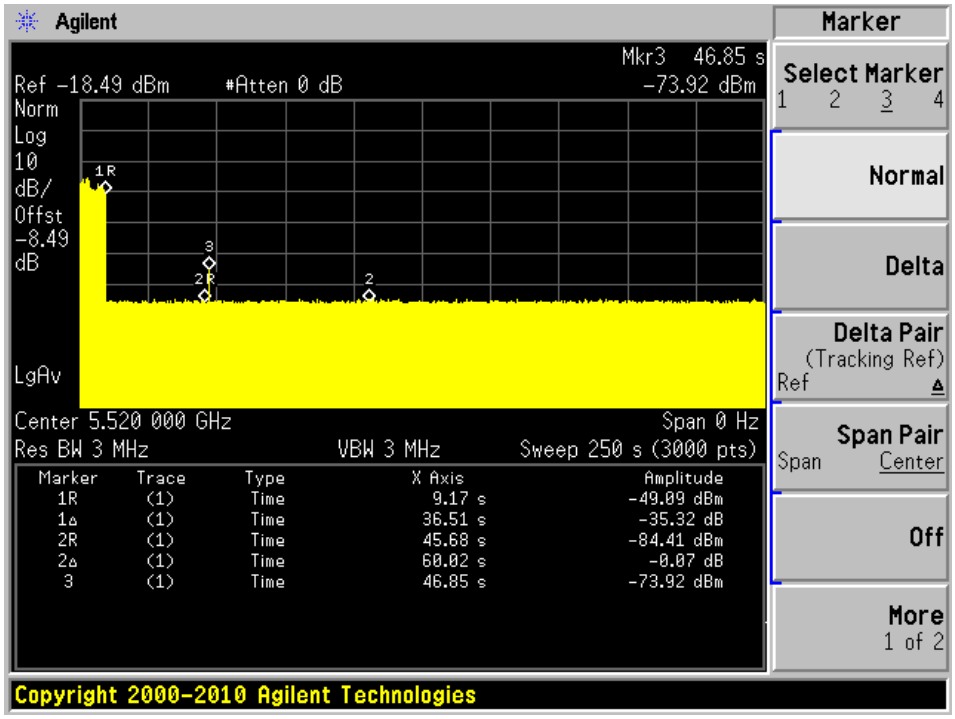
Master Mode

5520 MHz

Plot of Power Cycle + CAC Time Period

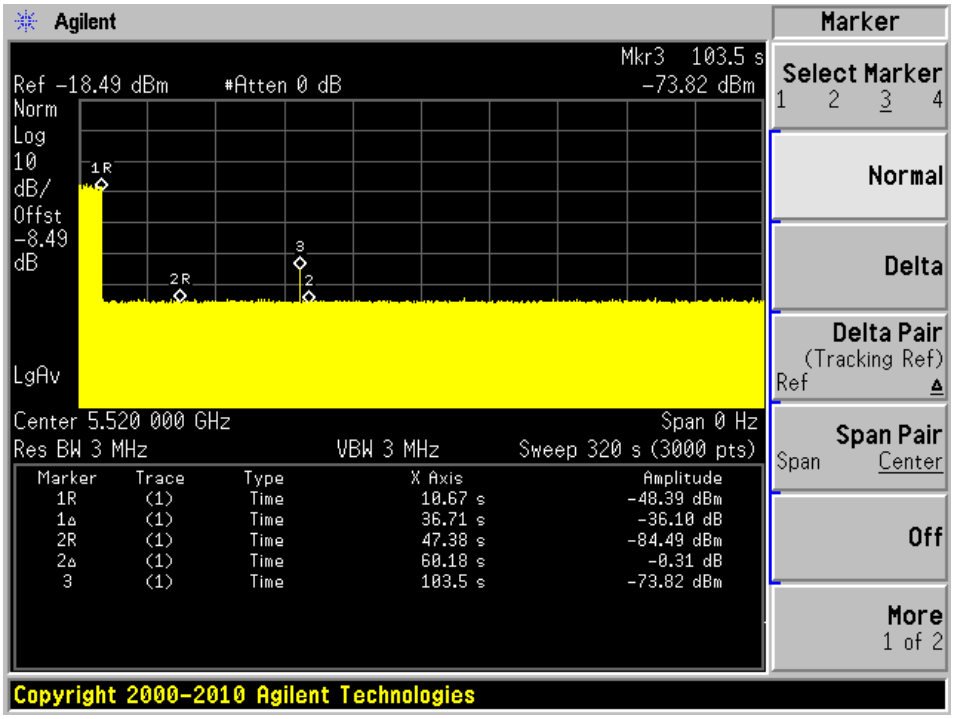


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

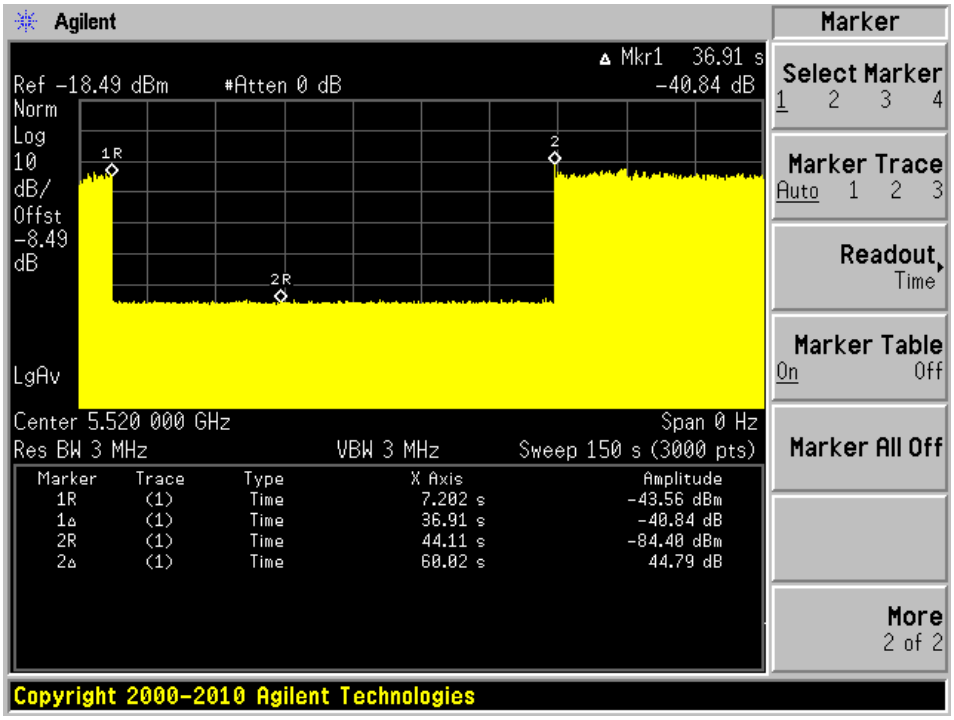
Plot of Radar signal applied at the end of 6 seconds of CAC



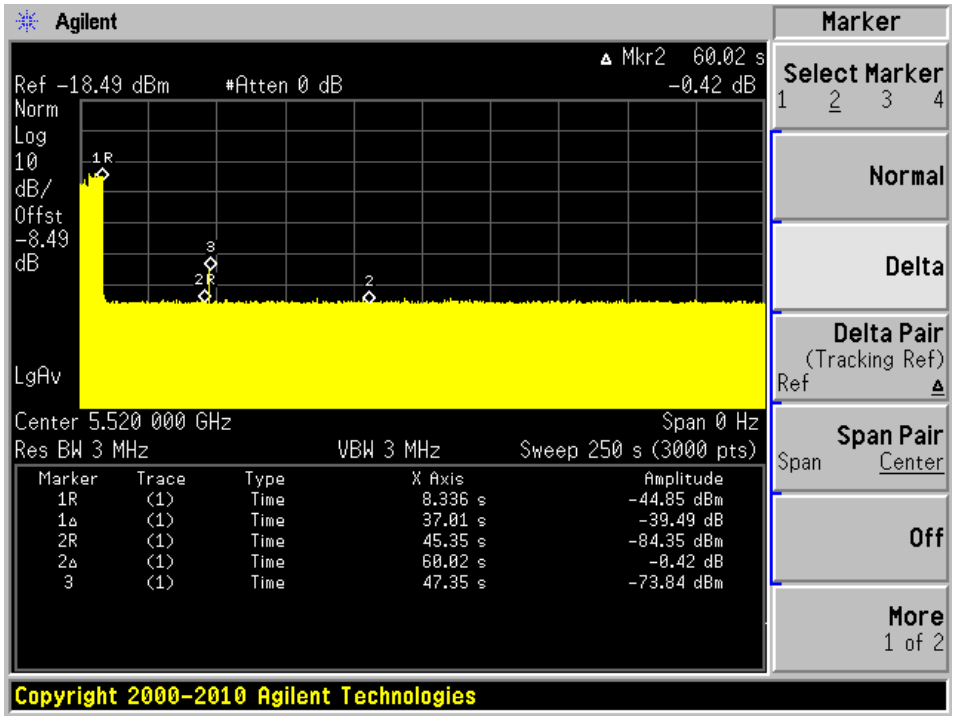
Auto Mode

5520 MHz

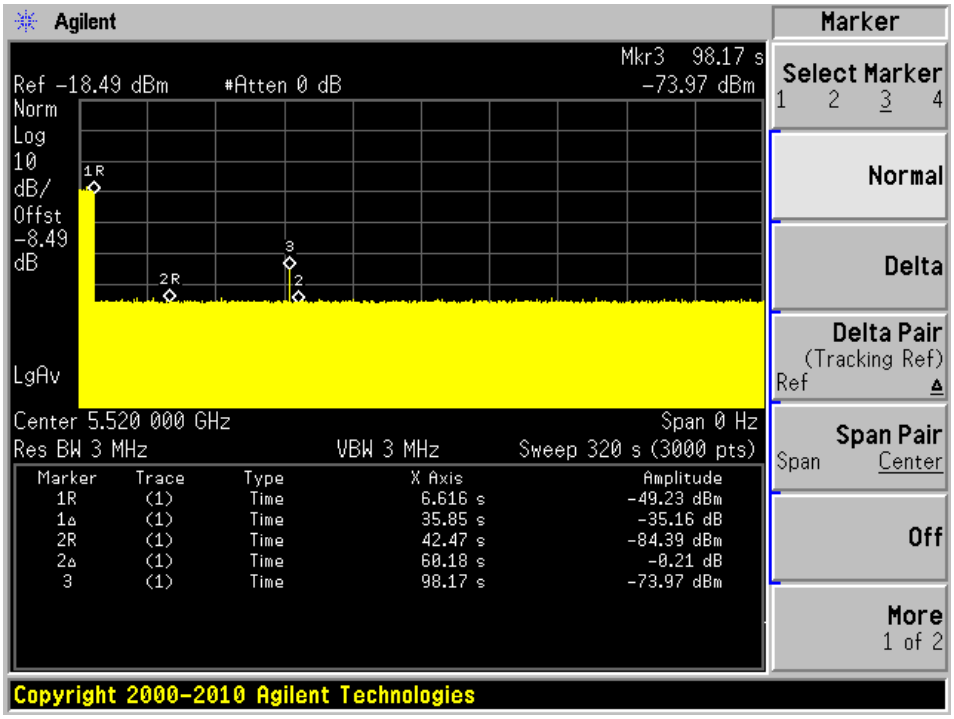
Plot of Power Cycle + CAC Time Period



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



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



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

Master Mode

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5550	40	Type 0	Compliant

Auto Mode

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5510	40	Type 0	Compliant

Client Mode

Frequency (MHz)	Detecting Mode	Bandwidth (MHz)	Radar Type	Results
5510	Master-Detecting	40	Type 0	Compliant
5510	Client-Detecting	40	Type 0	Compliant

Please refer to the following tables and plots.

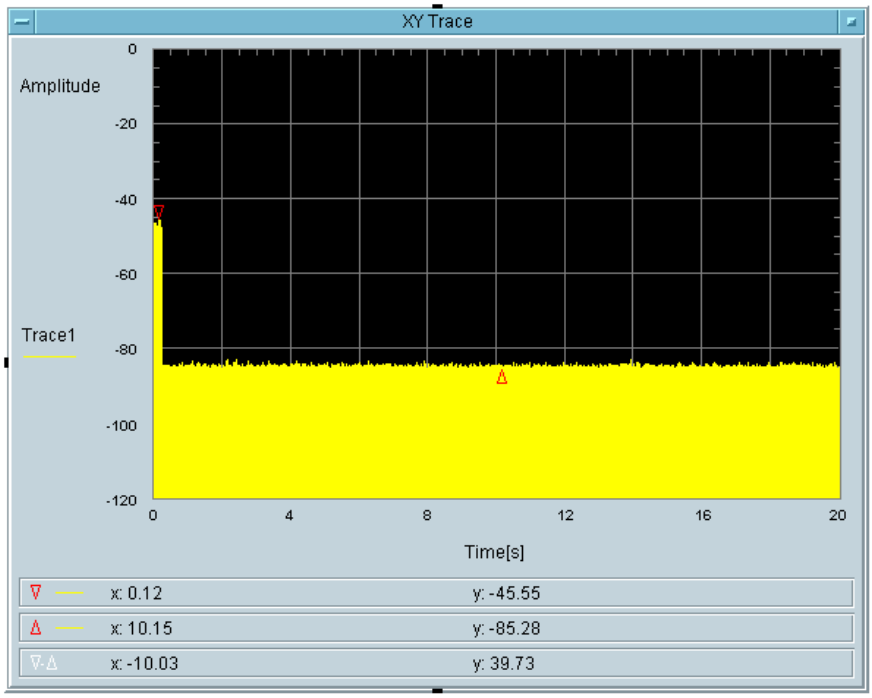
Master Mode

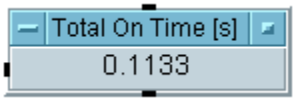
5550 MHz, Bandwidth 40 MHz

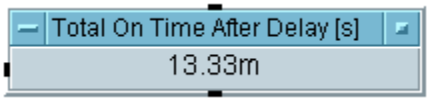
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
113.3+13.33	200+60	Pass

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







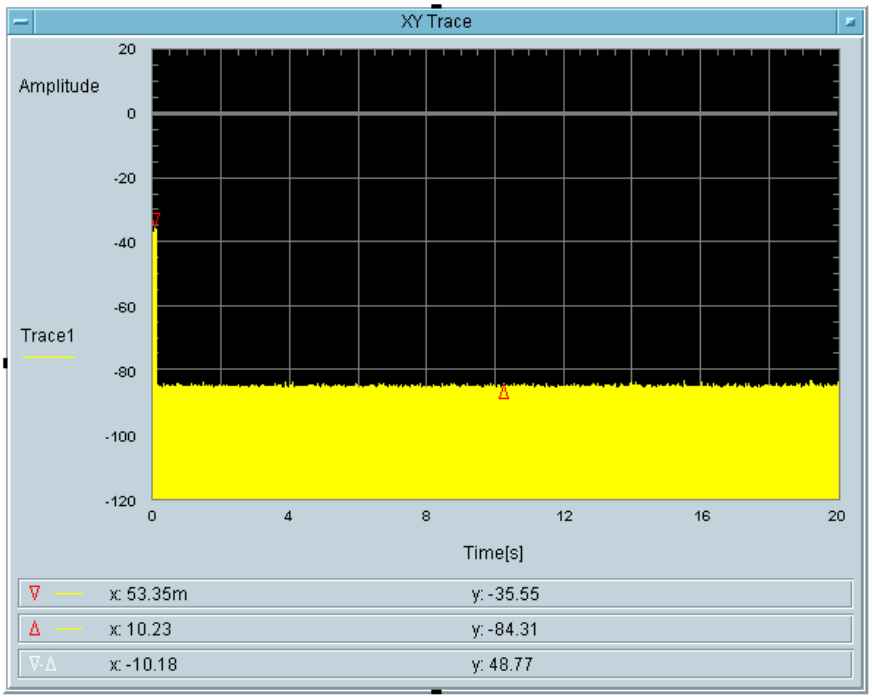
Client Mode with Radar Waveform Directing Master Device

5510 MHz, Bandwidth 40 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
53.33+0	200+60	Pass

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



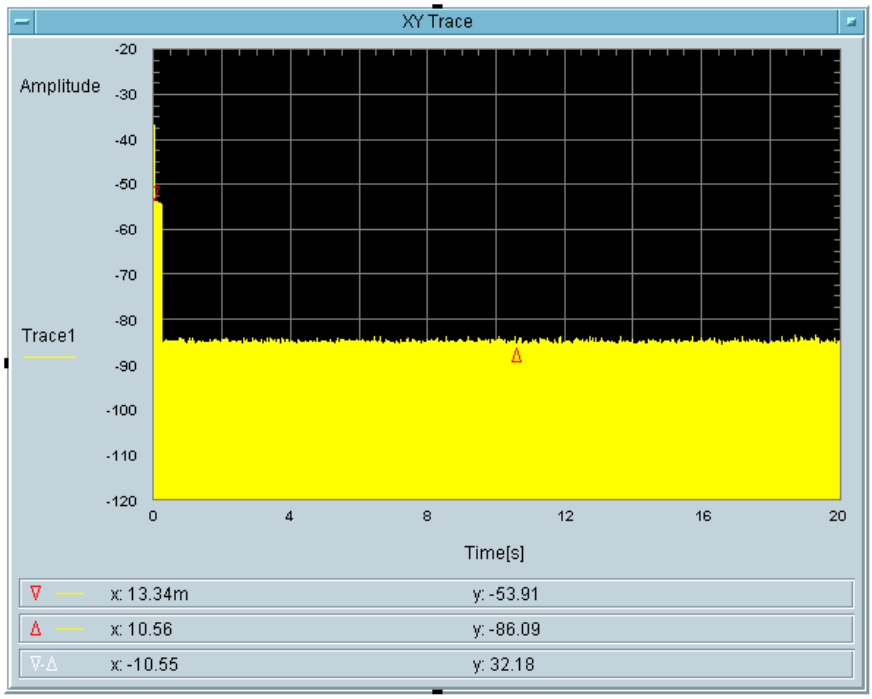
Client Mode with Radar Waveform directing Client Device

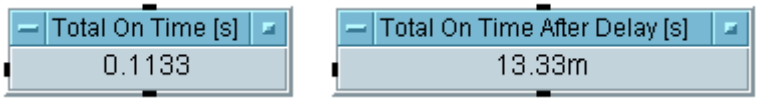
5510 MHz, Bandwidth 40 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
113.3+13.33	200+60	Pass

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





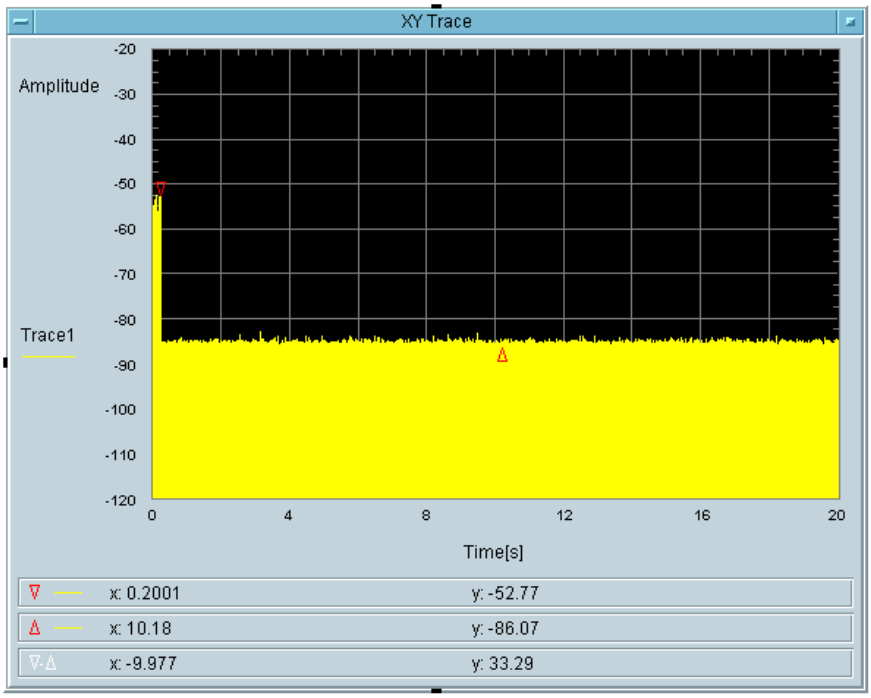
Auto Mode

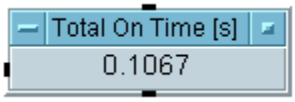
5510 MHz, Bandwidth 40 MHz

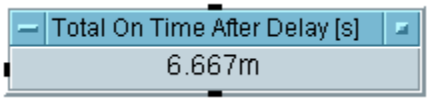
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
106.7+6.667	200+60	Pass

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







8 Non-Occupancy Period

8.1 Test Procedure

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

8.2 Test Results

Master Mode

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5500	20	No transmission within 30 minutes

Client Mode

Frequency (MHz)	Detecting Mode	Bandwidth (MHz)	Spectrum Analyzer Display
5500	Master-Detecting	20	No transmission within 30 minutes
5510	Client-Detecting	40	No transmission within 30 minutes

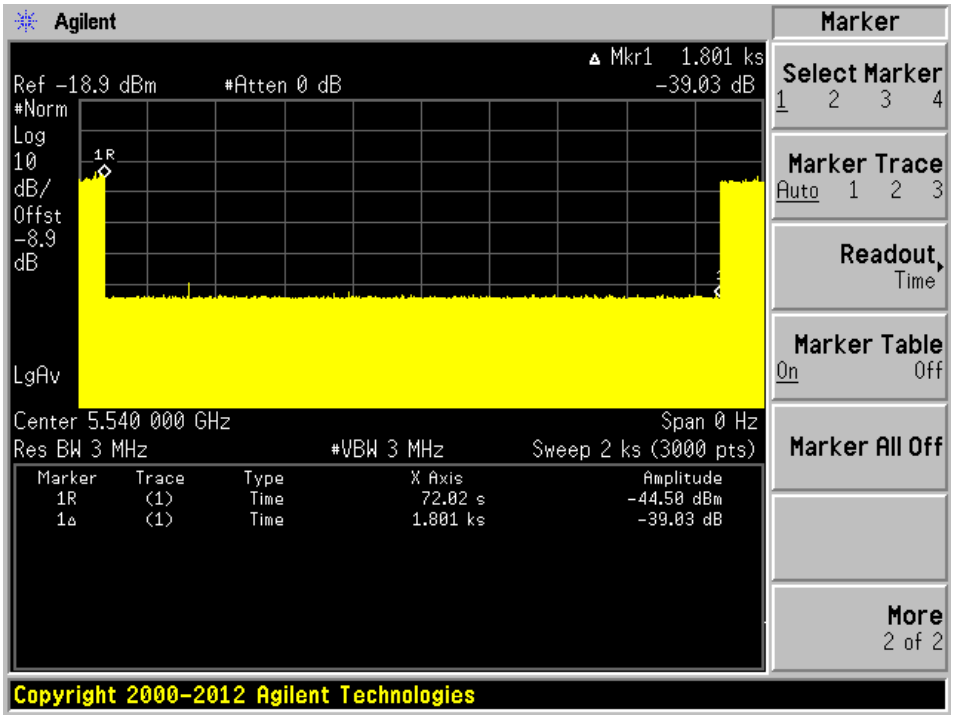
Auto Mode

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5510	40	No transmission within 30 minutes

Please refer to the following plots.

Master Mode

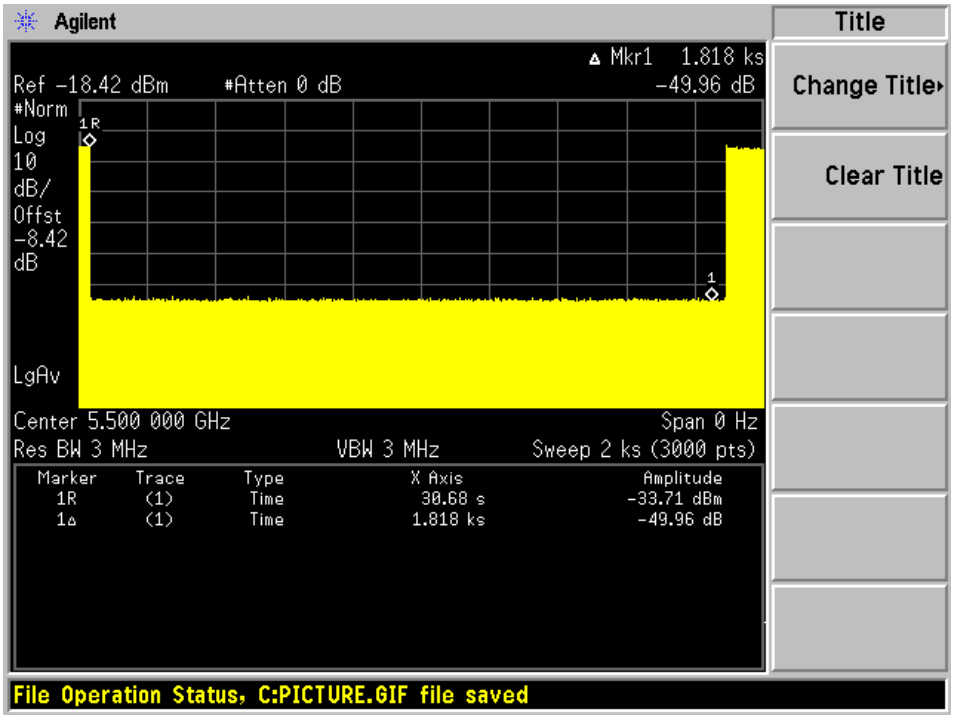
5550 MHz, Bandwidth 40 MHz



Note: 5540 MHz was tested as it is the primary channel that contains the control signal.

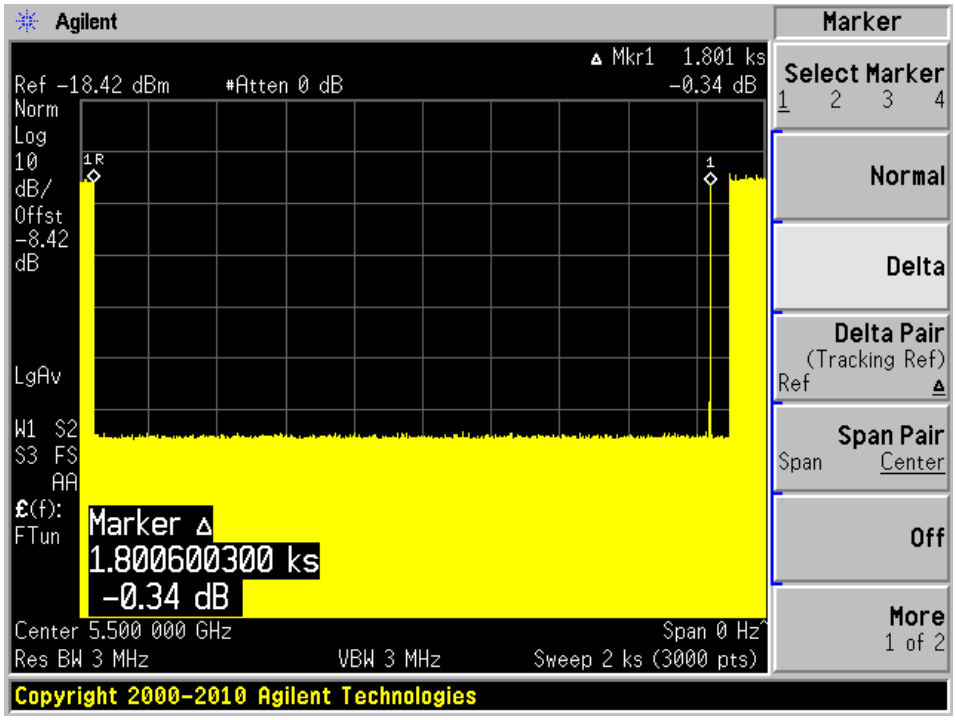
Client Mode with Master Detecting

5500 MHz, Bandwidth 20 MHz



Client Mode with Client Detecting

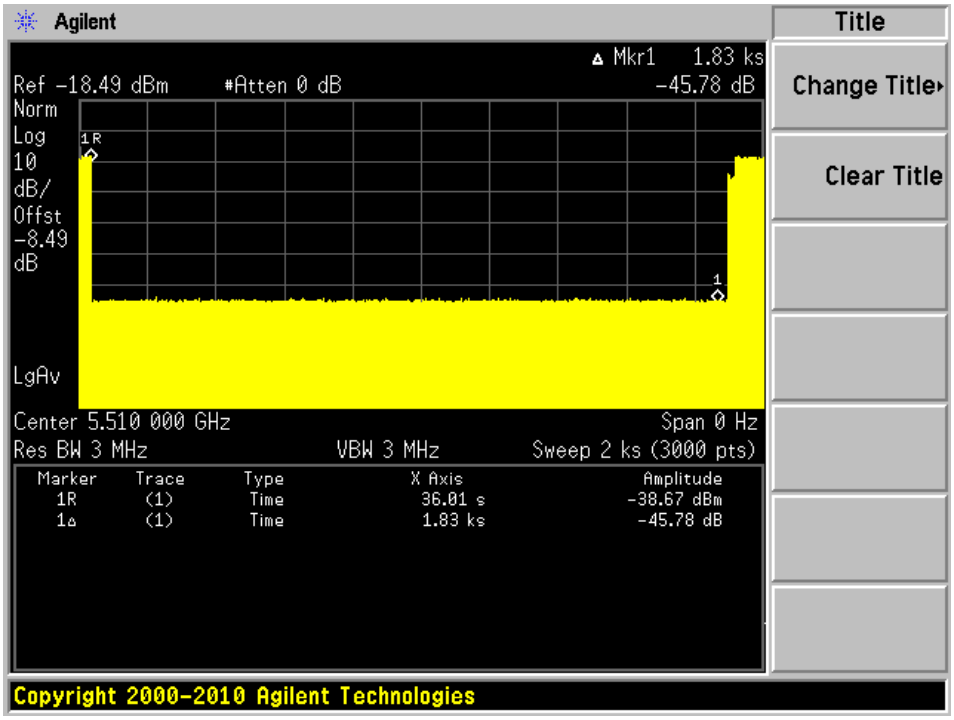
5510 MHz, Bandwidth 40 MHz



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

Auto Mode

5510 MHz, Bandwidth 40 MHz



9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

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

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

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

The U-NII Detection Bandwidth is calculated as follows: U-NII Detection Bandwidth = FH – FL

Test Results

Master Mode

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5520	5510	5529	19	100%	Compliance
5550	5530	5569	39	100%	Compliance

Client Mode

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

Auto Mode

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

Results of Detection Bandwidth:

Master Mode

EUT Frequency = 5520 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5510(F_L)	1	1	1	1	1	1	1	1	0	1	90 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5529(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	0	1	0	1	1	1	1	80 %
Detection Bandwidth = $F_H - F_L$=5529-5510=19 MHz											
EUT 99% OBW = 17.81 MHz; 17.81x 100% = 17.81 MHz **Result:** Pass											

EUT Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5530(F_L)	1	1	0	1	1	1	1	1	1	1	90 %
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(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5569(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5570	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5569-5530=39 MHz											
EUT 99% OBW = 36.57 MHz; 36.57 x 100% = 36.57 MHz **Result:** Pass											

Client Mode

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	0	1	1	1	1	1	1	1	1	90 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(F_H)	1	0	1	1	1	1	1	1	1	1	90 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 17.11 MHz; 17.11 x 100% = 17.11 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(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 36.77 MHz; 36.77 x 100% = 36.77 MHz **Result:** Pass											

Auto Mode

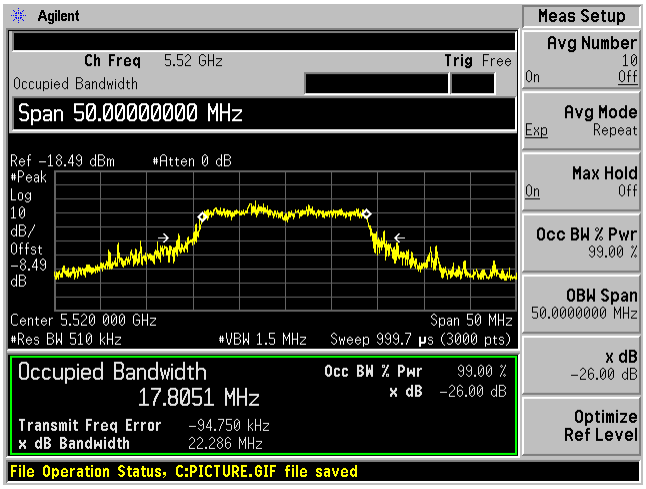
EUT Frequency = 5500 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(F_H)	0	1	1	1	1	1	1	1	1	1	90 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 17.98 MHz; 17.98 x 100% = 17.98 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(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 37.22 MHz; 37.22 x 100% = 37.22 MHz **Result:** Pass											

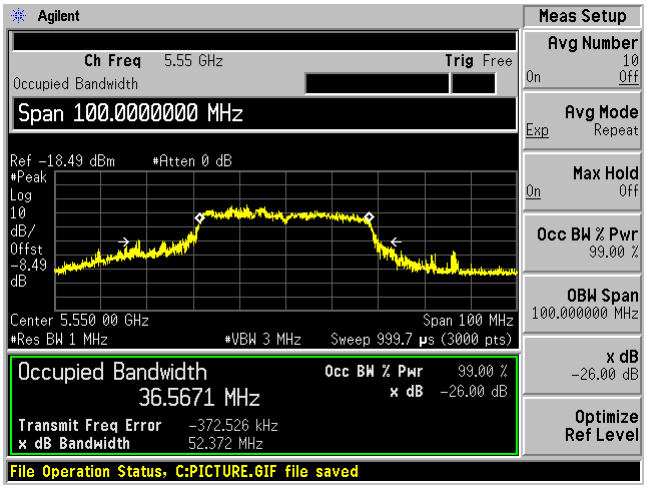
OBW Measurement

Master Mode

20 MHz

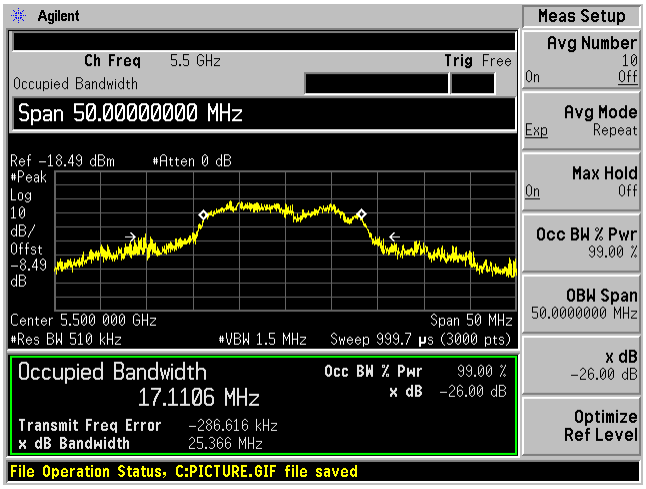


40 MHz

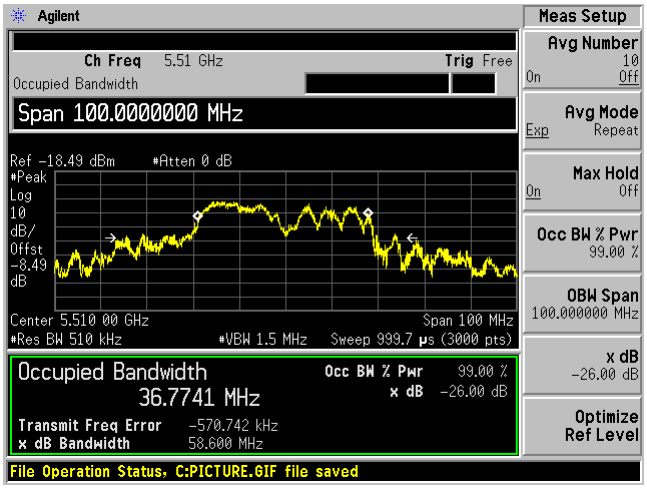


Client Mode

20 MHz

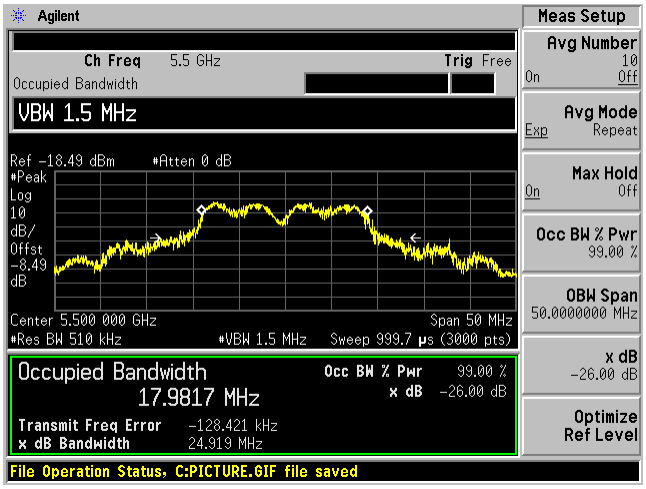


40 MHz

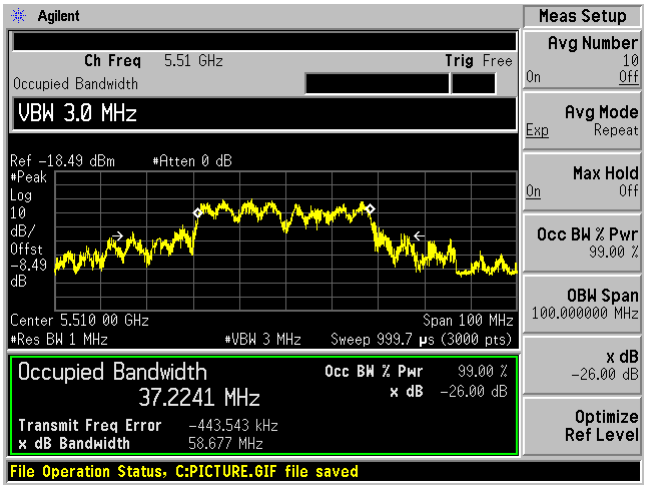


Auto Mode

20 MHz



40 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:

Master Mode

5520 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	76.7 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	86.7%	80%	Pass
Type 5	30	83.3 %	80%	Pass
Type 6	30	96.7 %	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 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	70	1.0	758	1
2	67	1.0	798	1
3	74	1.0	718	1
4	59	1.0	898	1
5	57	1.0	938	1
6	62	1.0	858	1
7	86	1.0	618	1
8	68	1.0	778	1
9	81	1.0	658	1
10	61	1.0	878	1
11	18	1.0	3066	1
12	95	1.0	558	1
13	63	1.0	838	1
14	72	1.0	738	1
15	76	1.0	698	1
16	35	1.0	1518	1
17	30	1.0	1768	1
18	55	1.0	967	1
19	61	1.0	872	1
20	21	1.0	2604	1
21	94	1.0	563	1
22	71	1.0	753	1
23	77	1.0	687	1
24	25	1.0	2118	1
25	39	1.0	1381	1
26	48	1.0	1112	1
27	48	1.0	1118	1
28	48	1.0	1114	1
29	47	1.0	1125	1
30	21	1.0	2567	1
Detection Percentage: 100% (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	3.4	227	1
2	25	3.3	198	1
3	28	4.1	171	0
4	26	1.9	204	0
5	25	3.1	211	1
6	24	3.4	175	1
7	23	1.2	200	1
8	27	2.5	218	1
9	27	3.1	212	1
10	27	1.7	178	1
11	29	2.8	191	1
12	26	2.8	155	1
13	25	2.1	195	1
14	24	4.9	179	0
15	25	1.8	175	1
16	26	3.7	230	1
17	26	2.8	226	1
18	26	3.2	185	0
19	27	3.0	222	1
20	24	4.2	187	1
21	25	4.1	221	1
22	23	3.1	212	1
23	29	1.1	176	1
24	23	4.8	194	1
25	28	2.8	197	1
26	28	1.0	220	1
27	28	3.4	172	1
28	26	3.9	224	0
29	25	5.0	202	1
30	27	2.5	188	1
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	8.8	478	1
2	17	7.5	463	0
3	17	6.0	466	1
4	16	9.3	205	1
5	16	7.5	448	1
6	18	9.0	490	1
7	16	9.2	388	1
8	18	7.4	218	1
9	18	9.7	311	0
10	18	7.7	200	1
11	18	8.7	289	1
12	18	6.7	469	1
13	17	6.2	353	1
14	17	8.2	305	1
15	16	7.1	373	1
16	16	8.4	450	1
17	16	7.2	322	1
18	18	9.8	262	0
19	17	6.8	499	1
20	16	9.3	417	0
21	18	8.2	418	1
22	17	7.5	257	1
23	18	7.9	449	1
24	16	9.1	206	0
25	18	6.4	351	1
26	16	9.6	213	1
27	17	6.3	284	1
28	18	6.5	407	1
29	17	9.4	258	0
30	17	9.8	342	0
Detection Percentage: 76.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	18.1	289	1
2	13	17.2	490	1
3	14	16.4	217	1
4	16	12.3	351	1
5	12	18.6	319	1
6	12	13.4	470	0
7	13	14.5	481	1
8	14	12.1	482	1
9	15	14.0	392	1
10	15	14.7	406	1
11	13	16.7	480	1
12	14	19.9	450	0
13	12	16.1	204	1
14	13	18.7	332	1
15	14	18.1	248	1
16	16	11.3	495	1
17	15	15.2	260	1
18	15	15.2	305	1
19	13	17.3	398	1
20	13	16.2	277	1
21	16	15.1	429	1
22	15	13.2	321	1
23	14	18.5	278	0
24	14	15.2	500	1
25	12	12.1	341	1
26	14	18.1	462	1
27	14	18.7	297	1
28	15	17.9	412	1
29	13	14.9	475	0
30	12	13.9	470	1
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5520	1
2	5520	1
3	5520	1
4	5520	0
5	5520	1
6	5520	1
7	5520	1
8	5520	1
9	5520	1
10	5520	1
11	5518.7	1
12	5516.7	0
13	5517.1	1
14	5518.3	1
15	5518.7	1
16	5519.1	1
17	5514.7	1
18	5513.1	1
19	5513.5	0
20	5517.5	1
21	5526.9	1
22	5520.9	0
23	5524.9	1
24	5526.5	1
25	5521.7	0
26	5524.5	1
27	5524.1	1
28	5522.5	1
29	5522.5	1
30	5525.7	1
Detection Percentage: 83.3 % (>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	1	10	54.9			0.674259	1
1	2	10	87.7	1055		1.360773	
2	3	10	82.1	1997	1543	2.420192	
3	2	10	90.6	1839		2.751025	
4	2	10	56.0	1447		3.847778	
5	2	10	80.2	1279		4.699594	
6	2	10	92.8	1210		5.355812	
7	3	10	94.4	1421	1433	6.130511	
8	1	10	70.0			7.422529	
9	2	10	95.1	1384		8.175392	
10	3	10	91.2	1108	1795	8.577268	
11	2	10	79.3	1756		10.170164	
12	3	10	82.3	1238	1608	10.558113	
13	2	10	94.3	1337		11.290348	

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	69.8	1908		0.756583	1
1	1	5	56.3			1.146849	
2	2	5	78.0	1218		1.874718	
3	1	5	56.9			3.109290	
4	3	5	62.4	1030	1711	3.779689	
5	3	5	89.5	1810	1338	4.138960	
6	1	5	62.4			4.900699	
7	3	5	75.2	1594	1142	6.295988	
8	1	5	94.7			6.627075	
9	2	5	71.0	1471		7.269888	
10	2	5	79.6	1268		8.516332	
11	1	5	66.1			9.253480	
12	1	5	68.3			9.682457	
13	1	5	95.2			10.847495	
14	3	5	87.4	1397	1335	11.795522	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	61.3			0.578169	1
1	3	14	70.8	1709	1823	0.872686	
2	2	14	80.6	1963		2.384248	
3	3	14	99.0	1770	1048	3.137279	
4	2	14	92.7	1078		3.899826	
5	3	14	59.6	1498	1013	4.662119	
6	2	14	69.6	1022		5.457292	
7	2	14	61.8	1455		6.584292	
8	2	14	80.7	1720		7.334742	
9	1	14	85.4			8.564580	
10	1	14	87.6			9.139229	
11	1	14	80.5			9.799145	
12	1	14	95.5			10.621195	
13	2	14	85.4	1767		11.561231	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	56.1	1003		0.377348	0
1	2	8	85.8	1852		2.254861	
2	1	8	82.9			3.728682	
3	3	8	52.8	1542	1510	4.199222	
4	2	8	70.1	1084		6.500824	
5	3	8	77.3	1228	1741	7.660904	
6	2	8	91.8	1080		8.792238	
7	1	8	85.4			9.777928	
8	1	8	70.8			11.814096	

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	10	52.5	1986		0.601321	1
1	3	10	82.3	1032	1649	0.935480	
2	2	10	73.4	1794		1.898449	
3	2	10	74.0	1739		2.924439	
4	3	10	85.2	1903	1464	3.620455	
5	2	10	90.6	1090		4.431805	
6	1	10	68.5			4.884089	
7	3	10	75.0	1906	1540	5.829765	
8	2	10	98.0	1402		6.045974	
9	1	10	52.5			6.923283	
10	2	10	88.1	1099		7.612004	
11	2	10	78.0	1532		8.305594	
12	1	10	74.6			9.113809	
13	1	10	59.5			10.022985	
14	2	10	63.9	1848		10.781899	
15	2	10	58.4	1912		11.752636	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	60.9	1576	1626	0.481393	1
1	2	7	94.2	1829		1.042472	
2	1	7	95.2			1.519968	
3	3	7	72.7	1210	1181	2.881138	
4	2	7	55.0	1923		3.220147	
5	2	7	59.9	1965		3.845356	
6	2	7	72.6	1789		4.522807	
7	3	7	63.6	1137	1535	5.486054	
8	1	7	91.1			6.515739	
9	2	7	52.3	1510		6.943633	
10	2	7	58.4	1413		8.131027	
11	2	7	61.9	1908		8.576701	
12	1	7	58.5			9.408380	
13	3	7	94.2	1011	1739	10.466412	
14	2	7	65.9	1206		10.590880	
15	2	7	92.5	1332		11.647493	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	52.7			0.419277	1
1	3	7	60.5	1582	1519	1.237844	
2	1	7	72.8			1.812872	
3	2	7	77.3	1628		2.640346	
4	3	7	56.2	1846	1853	2.824361	
5	2	7	74.9	1488		3.827604	
6	2	7	89.0	1297		4.373417	
7	3	7	71.8	1940	1180	4.832600	
8	2	7	94.8	1131		5.348630	
9	3	7	68.9	1800	1001	6.244657	
10	2	7	72.5	1771		6.777644	
11	3	7	94.6	1076	1607	7.952236	
12	2	7	58.9	1014		8.061352	
13	3	7	88.2	1989	1534	9.028665	
14	1	7	50.7			9.987117	
15	2	7	72.4	1408		10.653369	
16	2	7	68.8	1642		10.779755	
17	1	7	86.4			11.754988	

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	77.9	1787		0.474606	1
1	2	7	59.1	1705		1.415761	
2	3	7	56.3	1550	1902	1.524415	
3	2	7	82.1	1696		2.929166	
4	2	7	59.6	1505		3.206211	
5	3	7	51.8	1769	1134	3.877258	
6	3	7	57.2	1379	1874	4.880292	
7	2	7	83.9	1163		5.689501	
8	2	7	83.7	1493		6.323154	
9	3	7	95.1	1032	1965	6.868928	
10	2	7	87.7	1646		7.916003	
11	2	7	91.2	1572		8.593459	
12	2	7	97.8	1213		9.615294	
13	2	7	74.1	1641		10.469848	
14	2	7	98.0	1347		11.160537	
15	1	7	99.5			11.872771	

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	85.1	1160		0.194915	1
1	2	8	69.9	1153		1.459919	
2	2	8	87.1	1395		1.769523	
3	1	8	89.8			2.625598	
4	2	8	52.5	1565		3.475637	
5	3	8	97.4	1362	1141	4.084562	
6	3	8	61.9	1091	1577	4.795546	
7	3	8	51.5	1431	1909	5.323675	
8	2	8	50.6	1317		6.156992	
9	3	8	64.4	1062	1056	6.961127	
10	2	8	53.2	1023		7.928981	
11	2	8	68.8	1665		8.259436	
12	2	8	75.8	1251		9.620352	
13	1	8	50.9			10.060132	
14	3	8	74.0	1579	1187	11.203739	
15	2	8	54.1	1482		11.361738	

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	13	98.5			0.017709	1
1	3	13	79.9	1025	1747	1.449744	
2	1	13	89.7			1.890263	
3	2	13	85.5	1835		2.714385	
4	1	13	55.5			3.163797	
5	3	13	68.2	1828	1315	4.368700	
6	2	13	55.0	1531		4.943852	
7	3	13	77.7	1467	1172	5.922259	
8	2	13	80.7	1132		6.159075	
9	1	13	57.5			7.370405	
10	1	13	50.9			7.734426	
11	3	13	97.1	1576	1032	8.981542	
12	2	13	86.3	1910		9.549810	
13	2	13	51.7	1471		10.335297	
14	1	13	98.1			10.665711	
15	2	13	52.0	1061		11.595781	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	61.1	1767	1740	0.694093	1
1	1	19	73.9			1.550327	
2	2	19	82.2	1012		1.724500	
3	2	19	68.8	1559		3.408127	
4	1	19	69.5			3.542634	
5	2	19	97.6	1390		4.862841	
6	2	19	66.9	1392		5.644455	
7	2	19	98.2	1311		6.550792	
8	1	19	66.2			7.272921	
9	1	19	74.6			8.204304	
10	2	19	78.7	1157		9.041723	
11	3	19	71.1	1959	1553	9.969187	
12	3	19	72.3	1521	1302	10.482257	
13	3	19	77.9	1313	1341	11.288934	

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	14	86.4			0.253873	0
1	3	14	52.9	1168	1877	1.475317	
2	3	14	83.9	1965	1550	2.483798	
3	2	14	60.1	1066		3.413446	
4	3	14	55.4	1920	1412	4.056642	
5	1	14	86.5			5.446020	
6	1	14	90.0			5.861032	
7	1	14	79.4			7.318861	
8	3	14	93.1	1779	1996	8.061406	
9	2	14	89.4	1284		9.211929	
10	1	14	52.8			9.409439	
11	2	14	56.5	1900		10.328507	
12	2	14	61.2	1276		11.538141	

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	15	87.7	1592		0.770231	1
1	3	15	56.4	1376	1731	1.925287	
2	2	15	70.3	1184		2.527470	
3	1	15	60.6			3.043930	
4	2	15	67.9	1930		4.114467	
5	2	15	68.5	1244		5.635607	
6	2	15	93.0	1172		6.981459	
7	1	15	97.2			7.523247	
8	1	15	90.0			8.453213	
9	2	15	53.1	1221		9.619827	
10	1	15	95.9			10.619457	
11	3	15	92.2	1187	1909	11.696404	

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	18	85.8	1301	1874	0.953830	
1	2	18	99.7	1149		1.627561	
2	3	18	80.9	1771	1274	3.070453	
3	2	18	74.4	1060		3.297757	
4	2	18	89.9	1698		5.370721	
5	2	18	50.2	1359		5.930828	1
6	2	18	65.0	1682		7.319362	
7	1	18	67.8			7.791830	
8	2	18	75.6	1189		9.056043	
9	2	18	99.5	1234		10.025833	
10	2	18	75.1	1527		11.017325	

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	19	69.1	1631		0.577936	
1	1	19	92.2			0.721602	
2	2	19	73.2	1076		1.582738	
3	2	19	77.0	1686		1.910838	
4	3	19	50.2	1207	1425	2.792019	
5	1	19	74.2			3.676113	
6	2	19	80.8	1741		4.047484	
7	3	19	55.0	1437	1166	4.956766	
8	3	19	88.8	1430	1481	5.214330	
9	3	19	57.5	1683	1251	5.822788	1
10	1	19	98.3			6.858831	
11	2	19	83.8	1542		7.312460	
12	3	19	85.9	1332	1696	7.634973	
13	2	19	91.2	1958		8.416943	
14	1	19	54.8			9.272783	
15	3	19	62.8	1988	1878	9.518103	
16	3	19	56.3	1607	1254	10.400505	
17	2	19	87.3	1030		11.357822	
18	1	19	76.6			11.469405	

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	20	85.9			0.416920	1
1	1	20	85.5			1.007078	
2	1	20	70.1			2.528612	
3	2	20	55.0	1001		3.068160	
4	2	20	52.6	1446		3.582765	
5	1	20	88.9			4.865148	
6	1	20	79.4			5.943114	
7	2	20	93.2	1043		6.701819	
8	3	20	73.5	1031	1310	7.433921	
9	3	20	98.2	1702	1587	8.311659	
10	3	20	90.0	1437	1245	9.017741	
11	2	20	93.6	1599		9.644590	
12	3	20	72.4	1358	1782	10.390415	
13	2	20	65.1	1450		11.697679	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	54.5	1886		0.220554	1
1	1	9	65.0			1.149898	
2	2	9	82.0	1280		1.527735	
3	2	9	95.7	1805		2.006920	
4	2	9	55.2	1673		3.037142	
5	2	9	77.9	1244		3.772831	
6	1	9	92.2			4.418601	
7	2	9	57.0	1302		5.070533	
8	1	9	80.9			5.458727	
9	2	9	63.5	1478		6.022133	
10	1	9	73.9			7.159987	
11	3	9	52.6	1949	1215	7.665034	
12	3	9	60.7	1138	1383	8.106345	
13	2	9	50.4	1143		9.100832	
14	2	9	67.0	1380		9.593431	
15	2	9	95.9	1331		10.106831	
16	2	9	58.9	1402		11.253482	
17	2	9	53.2	1367		11.907126	

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	5	54.1	1581		0.342412	
1	2	5	74.8	1407		0.752434	
2	2	5	72.1	1107		1.856141	
3	2	5	62.2	1635		2.193553	
4	2	5	77.5	1765		2.577669	
5	2	5	66.3	1208		3.745784	
6	1	5	56.7			4.097321	
7	3	5	62.3	1665	1937	4.438196	
8	2	5	50.1	1685		5.084898	
9	2	5	90.5	1223		6.160306	1
10	2	5	88.1	1897		6.384914	
11	2	5	81.9	1319		7.276394	
12	3	5	88.0	1570	1124	7.618145	
13	2	5	87.8	1878		8.521469	
14	3	5	62.8	1077	1420	9.261650	
15	2	5	66.1	1177		9.571301	
16	1	5	54.4			10.511097	
17	1	5	65.3			10.802099	
18	3	5	60.4	1756	1835	11.442841	

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	6	80.1	1376		0.882119	
1	2	6	63.1	1377		2.047971	
2	1	6	95.2			2.472731	
3	2	6	90.4	1317		3.881292	
4	3	6	96.0	1002	1152	5.250935	
5	1	6	65.9			6.125541	0
6	2	6	69.3	1867		7.438713	
7	2	6	93.6	1322		8.610081	
8	1	6	53.9			9.288629	
9	1	6	73.4			10.486967	
10	2	6	96.0	1784		11.103408	

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	16	88.8			0.146404	1
1	3	16	53.6	1127	1545	1.590264	
2	2	16	68.6	1924		2.681764	
3	2	16	86.4	1967		3.000341	
4	2	16	74.2	1109		4.298479	
5	2	16	93.6	1991		5.646524	
6	2	16	92.4	1764		6.953347	
7	2	16	66.8	1550		7.644275	
8	2	16	61.1	1451		8.894656	
9	3	16	92.4	1863	1550	9.613175	
10	2	16	95.6	1503		10.249609	
11	2	16	67.6	1992		11.364602	

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	5	85.3	1820		0.300640	1
1	2	5	57.7	1888		0.895316	
2	3	5	68.3	1880	1706	1.642532	
3	3	5	88.8	1531	1893	1.818912	
4	1	5	67.2			2.886783	
5	3	5	91.3	1079	1278	3.314823	
6	1	5	61.1			3.933452	
7	3	5	50.0	1582	1192	4.670876	
8	2	5	52.0	1195		4.924930	
9	1	5	84.9			5.979020	
10	3	5	61.4	1067	1127	6.251871	
11	1	5	64.8			6.750673	
12	2	5	58.3	1031		7.489166	
13	3	5	63.4	1697	1881	8.006455	
14	3	5	64.8	1200	1262	8.600353	
15	3	5	86.9	1260	1822	9.512386	
16	3	5	80.8	1625	1162	9.809579	
17	3	5	85.5	1773	1346	10.297976	
18	1	5	68.3			10.952578	
19	2	5	71.9	1628		11.620149	

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	20	63.8	1093		0.200457	
1	2	20	94.9	1628		0.979674	
2	3	20	89.7	1112	1676	2.712038	
3	3	20	99.0	1583	1507	3.250902	
4	3	20	76.5	1547	1866	4.161295	
5	3	20	83.3	1052	1688	4.629489	
6	3	20	95.3	1883	1517	5.812662	0
7	3	20	71.5	1409	1887	7.310611	
8	2	20	67.1	1000		8.119811	
9	2	20	67.9	1202		9.209293	
10	3	20	96.1	1560	1508	9.830301	
11	2	20	83.9	1991		10.533238	
12	2	20	52.7	1763		11.521097	

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	67.2	1307		0.308744	
1	2	10	93.5	1609		1.594966	
2	2	10	88.8	1580		2.272862	
3	2	10	55.8	1833		3.378598	
4	2	10	90.9	1923		5.138609	
5	3	10	61.3	1165	1596	6.232867	1
6	2	10	68.7	1724		6.871882	
7	2	10	52.9	1850		8.608169	
8	1	10	93.3			9.296018	
9	1	10	55.8			10.610016	
10	2	10	81.5	1895		11.116637	

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	6	66.7	1185		0.577643	1
1	2	6	84.6	1162		1.062016	
2	2	6	75.8	1037		1.663209	
3	3	6	57.3	1358	1622	2.608395	
4	1	6	90.3			2.754843	
5	2	6	55.2	1539		3.777517	
6	3	6	98.2	1725	1162	4.558708	
7	2	6	59.3	1268		4.871222	
8	2	6	53.8	1789		5.592277	
9	2	6	91.0	1395		6.030055	
10	2	6	81.5	1107		6.782884	
11	1	6	76.2			7.612961	
12	1	6	73.9			8.215621	
13	3	6	54.5	1491	1138	8.739955	
14	1	6	70.6			9.704624	
15	1	6	99.8			10.594593	
16	2	6	74.6	1767		10.930193	
17	3	6	72.5	1166	1498	11.727678	

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	66.6	1744		0.407779	0
1	3	18	74.2	1203	1907	1.657114	
2	1	18	60.1			3.448216	
3	2	18	63.9	1053		4.126252	
4	2	18	78.4	1547		5.710818	
5	3	18	84.7	1245	1450	6.842101	
6	2	18	90.9	1240		8.574335	
7	1	18	97.0			9.797158	
8	2	18	68.2	1541		11.339705	

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	11	89.3	1372	1713	0.967602	1
1	2	11	64.9	1439		1.540056	
2	3	11	62.3	1067	1457	2.251777	
3	3	11	59.2	1932	1240	3.451356	
4	2	11	98.7	1356		5.243110	
5	1	11	73.3			6.434613	
6	1	11	71.0			7.585645	
7	2	11	78.5	1671		7.693701	
8	3	11	93.5	1141	1758	8.783038	
9	2	11	79.7	1519		10.136944	
10	3	11	96.4	1672	1496	11.922109	

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	12	94.8	1184	1620	0.072076	1
1	1	12	61.5			1.833893	
2	2	12	83.2	1386		3.694077	
3	2	12	76.7	1176		5.659839	
4	3	12	64.3	1381	1090	7.424706	
5	2	12	82.8	1427		8.415561	
6	2	12	83.0	1355		9.484727	
7	3	12	53.0	1190	1127	10.621675	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	82.0	1859		0.500067	
1	2	16	96.3	1707		1.025011	
2	1	16	78.3			1.814950	
3	2	16	68.4	1694		2.514711	
4	1	16	63.5			2.911449	
5	3	16	92.1	1414	1178	3.524412	
6	1	16	72.7			4.245733	
7	2	16	57.4	1428		4.959399	
8	2	16	93.0	1527		5.269122	
9	2	16	77.8	1523		6.211774	1
10	3	16	73.5	1654	1261	6.426202	
11	1	16	91.7			7.448543	
12	3	16	61.7	1805	1123	7.724052	
13	2	16	78.8	1563		8.408110	
14	3	16	94.6	1572	1728	9.201246	
15	1	16	73.3			9.671562	
16	3	16	59.0	1965	1220	10.638003	
17	2	16	64.4	1367		10.883240	
18	3	16	52.8	1399	1699	11.638781	

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	16	55.6	1319		0.237208	1
1	1	16	97.6			1.431095	
2	2	16	92.2	1697		2.132787	
3	2	16	55.0	1163		2.719279	
4	1	16	84.6			3.605654	
5	1	16	53.0			4.412246	
6	3	16	91.8	1002	1356	5.307933	
7	2	16	85.6	1167		6.659186	
8	2	16	65.0	1693		7.014201	
9	2	16	86.9	1236		8.527930	
10	2	16	95.7	1607		9.237663	
11	1	16	61.7			10.060486	
12	2	16	63.2	1112		11.047314	
13	1	16	96.8			11.355171	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	79.7	1843		0.236193	1
1	1	8	67.0			1.197135	
2	2	8	98.2	1921		1.867408	
3	2	8	53.2	1465		2.180224	
4	1	8	75.6			2.782689	
5	1	8	55.4			3.501100	
6	2	8	50.8	1692		4.032263	
7	1	8	52.1			4.693326	
8	2	8	54.3	1011		5.368967	
9	3	8	62.6	1607	1912	6.054790	
10	2	8	99.0	1243		6.802620	
11	3	8	96.8	1436	1578	7.379662	
12	2	8	97.1	1031		8.294805	
13	1	8	88.4			9.117024	
14	2	8	72.6	1800		9.427192	
15	3	8	88.0	1108	1943	10.004025	
16	3	8	98.5	1748	1536	10.813324	
17	1	8	73.1			11.661268	

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	5520.0	9	1.0	333	1	5495.0, 5541.0, 5302.0, 5616.0, 5689.0, 5524.0, 5441.0, 5400.0, 5375.0, 5614.0, 5421.0, 5548.0, 5444.0, 5478.0, 5708.0, 5615.0, 5560.0, 5329.0, 5699.0, 5252.0, 5669.0, 5675.0, 5662.0, 5651.0, 5654.0, 5278.0, 5386.0, 5272.0, 5282.0, 5600.0, 5251.0, 5403.0, 5655.0, 5562.0, 5419.0, 5330.0, 5283.0, 5705.0, 5606.0, 5407.0, 5527.0, 5383.0, 5672.0, 5256.0, 5719.0, 5448.0, 5343.0, 5713.0, 5294.0, 5483.0, 5308.0, 5445.0, 5365.0, 5351.0, 5532.0, 5412.0, 5589.0, 5476.0, 5661.0, 5307.0, 5452.0, 5399.0, 5361.0, 5284.0, 5367.0, 5275.0, 5586.0, 5543.0, 5496.0, 5449.0, 5622.0, 5418.0, 5261.0, 5470.0, 5424.0, 5373.0, 5461.0, 5545.0, 5717.0, 5453.0, 5376.0, 5427.0, 5363.0, 5423.0, 5371.0, 5321.0, 5715.0, 5540.0, 5257.0, 5340.0, 5398.0, 5500.0, 5499.0, 5310.0, 5404.0, 5370.0, 5637.0, 5408.0, 5259.0, 5333.0 (number of hits: 2)
2	5520.0	9	1.0	333	1	5406.0, 5530.0, 5603.0, 5261.0, 5590.0, 5544.0, 5688.0, 5646.0, 5621.0, 5721.0, 5270.0, 5560.0, 5659.0, 5675.0, 5305.0, 5673.0, 5396.0, 5638.0, 5618.0, 5680.0, 5446.0, 5528.0, 5258.0, 5511.0, 5682.0, 5465.0, 5281.0, 5506.0, 5395.0, 5489.0, 5274.0, 5419.0, 5327.0, 5290.0, 5493.0, 5714.0, 5470.0, 5610.0, 5571.0, 5573.0, 5485.0, 5310.0, 5500.0, 5562.0, 5575.0, 5426.0, 5543.0, 5338.0, 5294.0, 5640.0, 5704.0, 5657.0, 5672.0, 5608.0, 5515.0, 5477.0, 5708.0, 5293.0, 5707.0, 5390.0, 5670.0, 5251.0, 5351.0, 5404.0, 5265.0, 5609.0, 5509.0, 5325.0, 5599.0, 5601.0, 5558.0, 5278.0, 5611.0, 5514.0, 5352.0, 5504.0, 5593.0, 5306.0, 5495.0, 5323.0, 5576.0, 5722.0, 5622.0, 5656.0, 5634.0, 5416.0, 5389.0, 5405.0, 5696.0, 5569.0, 5636.0, 5447.0, 5379.0, 5295.0, 5348.0, 5653.0, 5413.0, 5481.0, 5337.0, 5374.0 (number of hits: 4)
3	5520.0	9	1.0	333	1	5697.0, 5407.0, 5700.0, 5502.0, 5458.0, 5430.0, 5644.0, 5717.0, 5476.0, 5260.0, 5568.0, 5642.0, 5574.0, 5287.0, 5583.0, 5280.0, 5286.0, 5722.0, 5523.0, 5576.0, 5531.0, 5495.0, 5587.0, 5315.0, 5489.0, 5521.0, 5288.0, 5345.0, 5504.0, 5630.0, 5473.0, 5437.0, 5373.0, 5719.0, 5400.0, 5327.0, 5617.0, 5513.0, 5516.0, 5597.0, 5703.0, 5304.0, 5333.0, 5394.0, 5371.0, 5445.0, 5520.0, 5621.0, 5524.0, 5403.0, 5377.0, 5648.0, 5582.0, 5650.0, 5370.0, 5666.0, 5393.0, 5340.0, 5696.0, 5590.0, 5289.0, 5300.0, 5471.0, 5698.0, 5647.0, 5695.0, 5366.0, 5360.0, 5616.0, 5533.0, 5557.0, 5481.0, 5643.0, 5634.0, 5353.0,

						5505.0, 5299.0, 5635.0, 5694.0, 5631.0, 5657.0, 5462.0, 5483.0, 5281.0, 5592.0, 5250.0, 5272.0, 5314.0, 5690.0, 5398.0, 5278.0, 5492.0, 5426.0, 5271.0, 5486.0, 5622.0, 5671.0, 5664.0, 5623.0, 5535.0 (number of hits: 6)
4	5520.0	9	1.0	333	1	5442.0, 5258.0, 5558.0, 5539.0, 5709.0, 5527.0, 5470.0, 5365.0, 5431.0, 5628.0, 5360.0, 5260.0, 5355.0, 5383.0, 5323.0, 5462.0, 5636.0, 5386.0, 5528.0, 5286.0, 5633.0, 5724.0, 5469.0, 5509.0, 5459.0, 5444.0, 5434.0, 5378.0, 5669.0, 5624.0, 5486.0, 5499.0, 5564.0, 5406.0, 5489.0, 5366.0, 5590.0, 5573.0, 5370.0, 5420.0, 5427.0, 5281.0, 5280.0, 5433.0, 5348.0, 5625.0, 5596.0, 5598.0, 5445.0, 5315.0, 5373.0, 5491.0, 5361.0, 5677.0, 5288.0, 5275.0, 5608.0, 5525.0, 5530.0, 5336.0, 5567.0, 5374.0, 5700.0, 5711.0, 5568.0, 5619.0, 5512.0, 5637.0, 5537.0, 5283.0, 5330.0, 5708.0, 5457.0, 5485.0, 5474.0, 5380.0, 5472.0, 5519.0, 5560.0, 5569.0, 5428.0, 5484.0, 5581.0, 5359.0, 5580.0, 5561.0, 5408.0, 5716.0, 5618.0, 5300.0, 5699.0, 5606.0, 5393.0, 5613.0, 5450.0, 5256.0, 5678.0, 5488.0, 5495.0, 5363.0 (number of hits: 5)
5	5520.0	9	1.0	333	1	5565.0, 5498.0, 5636.0, 5370.0, 5555.0, 5549.0, 5413.0, 5620.0, 5390.0, 5703.0, 5593.0, 5619.0, 5646.0, 5421.0, 5403.0, 5477.0, 5453.0, 5698.0, 5584.0, 5471.0, 5704.0, 5607.0, 5386.0, 5597.0, 5634.0, 5299.0, 5522.0, 5672.0, 5387.0, 5348.0, 5663.0, 5554.0, 5647.0, 5371.0, 5253.0, 5521.0, 5360.0, 5283.0, 5445.0, 5627.0, 5260.0, 5277.0, 5529.0, 5482.0, 5417.0, 5356.0, 5372.0, 5577.0, 5724.0, 5598.0, 5302.0, 5717.0, 5495.0, 5368.0, 5294.0, 5320.0, 5414.0, 5354.0, 5492.0, 5603.0, 5682.0, 5630.0, 5533.0, 5524.0, 5381.0, 5508.0, 5355.0, 5466.0, 5628.0, 5685.0, 5520.0, 5308.0, 5399.0, 5404.0, 5252.0, 5629.0, 5694.0, 5340.0, 5654.0, 5591.0, 5714.0, 5547.0, 5568.0, 5538.0, 5434.0, 5418.0, 5595.0, 5276.0, 5604.0, 5337.0, 5605.0, 5680.0, 5454.0, 5579.0, 5625.0, 5364.0, 5540.0, 5536.0, 5695.0, 5550.0 (number of hits: 4)
6	5520.0	9	1.0	333	1	5488.0, 5531.0, 5544.0, 5537.0, 5365.0, 5341.0, 5609.0, 5711.0, 5497.0, 5585.0, 5464.0, 5691.0, 5574.0, 5333.0, 5513.0, 5570.0, 5634.0, 5282.0, 5355.0, 5400.0, 5280.0, 5538.0, 5440.0, 5368.0, 5261.0, 5444.0, 5315.0, 5545.0, 5285.0, 5603.0, 5593.0, 5695.0, 5338.0, 5684.0, 5254.0, 5649.0, 5399.0, 5455.0, 5374.0, 5713.0, 5327.0, 5339.0, 5380.0, 5413.0, 5654.0, 5460.0, 5589.0, 5349.0, 5268.0, 5389.0, 5472.0, 5487.0, 5495.0, 5542.0, 5406.0, 5506.0, 5646.0, 5485.0, 5541.0, 5598.0, 5422.0, 5694.0, 5396.0, 5595.0, 5653.0, 5549.0, 5521.0, 5407.0, 5290.0, 5397.0,

						5652.0, 5667.0, 5612.0, 5462.0, 5428.0, 5265.0, 5656.0, 5360.0, 5328.0, 5564.0, 5575.0, 5627.0, 5284.0, 5272.0, 5508.0, 5621.0, 5690.0, 5337.0, 5476.0, 5279.0, 5576.0, 5392.0, 5255.0, 5468.0, 5683.0, 5322.0, 5641.0, 5447.0, 5470.0, 5377.0 (number of hits: 2)
7	5520.0	9	1.0	333	1	5281.0, 5721.0, 5262.0, 5419.0, 5710.0, 5482.0, 5441.0, 5539.0, 5454.0, 5560.0, 5612.0, 5696.0, 5354.0, 5346.0, 5484.0, 5436.0, 5704.0, 5327.0, 5442.0, 5514.0, 5538.0, 5648.0, 5569.0, 5412.0, 5466.0, 5387.0, 5256.0, 5411.0, 5317.0, 5596.0, 5269.0, 5568.0, 5618.0, 5496.0, 5384.0, 5645.0, 5715.0, 5434.0, 5599.0, 5631.0, 5323.0, 5277.0, 5717.0, 5561.0, 5493.0, 5567.0, 5460.0, 5680.0, 5639.0, 5478.0, 5264.0, 5389.0, 5494.0, 5271.0, 5600.0, 5316.0, 5336.0, 5385.0, 5575.0, 5699.0, 5278.0, 5533.0, 5402.0, 5515.0, 5373.0, 5597.0, 5313.0, 5703.0, 5617.0, 5559.0, 5535.0, 5695.0, 5341.0, 5377.0, 5590.0, 5333.0, 5399.0, 5487.0, 5578.0, 5294.0, 5255.0, 5479.0, 5447.0, 5270.0, 5288.0, 5356.0, 5587.0, 5554.0, 5468.0, 5532.0, 5608.0, 5388.0, 5394.0, 5357.0, 5490.0, 5263.0, 5308.0, 5302.0, 5486.0, 5286.0 (number of hits: 2)
8	5520.0	9	1.0	333	1	5301.0, 5685.0, 5452.0, 5664.0, 5337.0, 5627.0, 5371.0, 5362.0, 5528.0, 5455.0, 5261.0, 5391.0, 5482.0, 5479.0, 5351.0, 5678.0, 5577.0, 5308.0, 5316.0, 5616.0, 5575.0, 5373.0, 5415.0, 5321.0, 5273.0, 5530.0, 5498.0, 5429.0, 5606.0, 5508.0, 5453.0, 5502.0, 5425.0, 5602.0, 5395.0, 5478.0, 5581.0, 5450.0, 5611.0, 5484.0, 5388.0, 5497.0, 5430.0, 5474.0, 5343.0, 5584.0, 5626.0, 5686.0, 5552.0, 5494.0, 5390.0, 5364.0, 5615.0, 5699.0, 5672.0, 5272.0, 5709.0, 5473.0, 5564.0, 5619.0, 5489.0, 5589.0, 5714.0, 5399.0, 5596.0, 5340.0, 5630.0, 5569.0, 5355.0, 5456.0, 5413.0, 5440.0, 5366.0, 5359.0, 5594.0, 5407.0, 5557.0, 5287.0, 5707.0, 5392.0, 5472.0, 5724.0, 5380.0, 5579.0, 5350.0, 5521.0, 5681.0, 5300.0, 5510.0, 5712.0, 5673.0, 5434.0, 5701.0, 5496.0, 5588.0, 5294.0, 5605.0, 5303.0, 5631.0, 5634.0 (number of hits: 2)
9	5520.0	9	1.0	333	1	5471.0, 5356.0, 5289.0, 5365.0, 5309.0, 5524.0, 5530.0, 5719.0, 5532.0, 5404.0, 5617.0, 5707.0, 5467.0, 5272.0, 5540.0, 5383.0, 5263.0, 5720.0, 5270.0, 5374.0, 5588.0, 5491.0, 5432.0, 5375.0, 5586.0, 5463.0, 5276.0, 5662.0, 5384.0, 5436.0, 5281.0, 5279.0, 5403.0, 5494.0, 5605.0, 5634.0, 5435.0, 5562.0, 5447.0, 5620.0, 5377.0, 5313.0, 5626.0, 5644.0, 5660.0, 5252.0, 5722.0, 5406.0, 5599.0, 5690.0, 5581.0, 5658.0, 5392.0, 5348.0, 5615.0, 5256.0, 5693.0, 5687.0, 5469.0, 5306.0, 5546.0, 5413.0, 5640.0, 5657.0, 5277.0,

						5382.0, 5430.0, 5635.0, 5567.0, 5538.0, 5653.0, 5487.0, 5347.0, 5350.0, 5534.0, 5502.0, 5472.0, 5523.0, 5613.0, 5477.0, 5622.0, 5649.0, 5258.0, 5685.0, 5498.0, 5397.0, 5490.0, 5387.0, 5337.0, 5470.0, 5305.0, 5280.0, 5273.0, 5357.0, 5598.0, 5503.0, 5434.0, 5584.0, 5577.0, 5386.0 (number of hits: 2)
10	5520.0	9	1.0	333	1	5596.0, 5272.0, 5466.0, 5644.0, 5558.0, 5253.0, 5690.0, 5324.0, 5331.0, 5310.0, 5571.0, 5621.0, 5614.0, 5392.0, 5276.0, 5350.0, 5564.0, 5551.0, 5692.0, 5511.0, 5679.0, 5340.0, 5361.0, 5668.0, 5524.0, 5278.0, 5494.0, 5315.0, 5319.0, 5708.0, 5514.0, 5448.0, 5469.0, 5423.0, 5429.0, 5631.0, 5540.0, 5321.0, 5293.0, 5603.0, 5470.0, 5505.0, 5320.0, 5482.0, 5684.0, 5269.0, 5364.0, 5640.0, 5513.0, 5661.0, 5380.0, 5391.0, 5372.0, 5428.0, 5483.0, 5502.0, 5488.0, 5549.0, 5519.0, 5438.0, 5510.0, 5356.0, 5686.0, 5446.0, 5594.0, 5615.0, 5487.0, 5460.0, 5567.0, 5672.0, 5688.0, 5434.0, 5337.0, 5602.0, 5322.0, 5575.0, 5296.0, 5611.0, 5711.0, 5705.0, 5548.0, 5541.0, 5654.0, 5633.0, 5256.0, 5616.0, 5436.0, 5352.0, 5527.0, 5538.0, 5394.0, 5623.0, 5484.0, 5287.0, 5699.0, 5312.0, 5400.0, 5649.0, 5665.0, 5626.0 (number of hits: 6)
11	5520.0	9	1.0	333	1	5452.0, 5282.0, 5422.0, 5292.0, 5361.0, 5643.0, 5431.0, 5305.0, 5509.0, 5523.0, 5592.0, 5670.0, 5299.0, 5348.0, 5334.0, 5597.0, 5524.0, 5714.0, 5418.0, 5569.0, 5700.0, 5658.0, 5581.0, 5633.0, 5651.0, 5575.0, 5666.0, 5391.0, 5716.0, 5712.0, 5530.0, 5432.0, 5699.0, 5471.0, 5484.0, 5290.0, 5573.0, 5577.0, 5625.0, 5464.0, 5630.0, 5281.0, 5543.0, 5326.0, 5541.0, 5459.0, 5571.0, 5407.0, 5441.0, 5492.0, 5450.0, 5551.0, 5555.0, 5602.0, 5693.0, 5560.0, 5552.0, 5598.0, 5277.0, 5420.0, 5272.0, 5475.0, 5694.0, 5399.0, 5260.0, 5559.0, 5687.0, 5520.0, 5511.0, 5421.0, 5344.0, 5467.0, 5715.0, 5634.0, 5477.0, 5641.0, 5275.0, 5302.0, 5674.0, 5250.0, 5427.0, 5461.0, 5352.0, 5266.0, 5286.0, 5719.0, 5329.0, 5678.0, 5451.0, 5494.0, 5285.0, 5410.0, 5393.0, 5356.0, 5562.0, 5284.0, 5544.0, 5380.0, 5618.0, 5331.0 (number of hits: 4)
12	5520.0	9	1.0	333	1	5275.0, 5500.0, 5269.0, 5692.0, 5416.0, 5300.0, 5604.0, 5418.0, 5664.0, 5532.0, 5535.0, 5615.0, 5288.0, 5599.0, 5360.0, 5557.0, 5481.0, 5582.0, 5499.0, 5417.0, 5661.0, 5296.0, 5363.0, 5679.0, 5431.0, 5407.0, 5477.0, 5629.0, 5548.0, 5316.0, 5523.0, 5649.0, 5438.0, 5263.0, 5594.0, 5621.0, 5295.0, 5450.0, 5568.0, 5376.0, 5394.0, 5583.0, 5432.0, 5581.0, 5590.0, 5433.0, 5514.0, 5494.0, 5579.0, 5696.0, 5455.0, 5501.0, 5564.0, 5286.0, 5412.0, 5600.0, 5253.0, 5311.0, 5578.0, 5690.0,

						5685.0, 5495.0, 5403.0, 5445.0, 5628.0, 5689.0, 5515.0, 5324.0, 5614.0, 5408.0, 5369.0, 5553.0, 5519.0, 5287.0, 5379.0, 5601.0, 5640.0, 5359.0, 5434.0, 5678.0, 5551.0, 5411.0, 5491.0, 5544.0, 5319.0, 5642.0, 5484.0, 5409.0, 5302.0, 5309.0, 5265.0, 5606.0, 5338.0, 5540.0, 5562.0, 5401.0, 5390.0, 5375.0, 5576.0, 5290.0 (number of hits: 4)
13	5520.0	9	1.0	333	1	5485.0, 5277.0, 5699.0, 5684.0, 5672.0, 5402.0, 5278.0, 5677.0, 5461.0, 5585.0, 5371.0, 5589.0, 5331.0, 5596.0, 5320.0, 5316.0, 5520.0, 5522.0, 5628.0, 5683.0, 5386.0, 5381.0, 5568.0, 5494.0, 5409.0, 5698.0, 5626.0, 5339.0, 5417.0, 5357.0, 5308.0, 5449.0, 5629.0, 5602.0, 5535.0, 5318.0, 5336.0, 5580.0, 5600.0, 5474.0, 5326.0, 5390.0, 5349.0, 5692.0, 5443.0, 5258.0, 5618.0, 5558.0, 5342.0, 5293.0, 5720.0, 5662.0, 5527.0, 5612.0, 5373.0, 5444.0, 5412.0, 5654.0, 5358.0, 5571.0, 5305.0, 5592.0, 5504.0, 5363.0, 5709.0, 5384.0, 5633.0, 5505.0, 5343.0, 5321.0, 5476.0, 5267.0, 5257.0, 5309.0, 5407.0, 5526.0, 5279.0, 5490.0, 5483.0, 5723.0, 5496.0, 5291.0, 5366.0, 5708.0, 5567.0, 5604.0, 5469.0, 5385.0, 5396.0, 5625.0, 5713.0, 5401.0, 5332.0, 5452.0, 5438.0, 5681.0, 5418.0, 5263.0, 5718.0, 5408.0 (number of hits: 4)
14	5520.0	9	1.0	333	1	5360.0, 5260.0, 5539.0, 5433.0, 5495.0, 5343.0, 5407.0, 5451.0, 5693.0, 5619.0, 5573.0, 5506.0, 5668.0, 5459.0, 5255.0, 5258.0, 5633.0, 5602.0, 5683.0, 5548.0, 5642.0, 5442.0, 5722.0, 5540.0, 5707.0, 5479.0, 5493.0, 5597.0, 5448.0, 5409.0, 5419.0, 5374.0, 5253.0, 5618.0, 5466.0, 5590.0, 5520.0, 5503.0, 5533.0, 5403.0, 5329.0, 5660.0, 5572.0, 5641.0, 5353.0, 5502.0, 5663.0, 5649.0, 5397.0, 5557.0, 5413.0, 5467.0, 5515.0, 5354.0, 5406.0, 5424.0, 5418.0, 5645.0, 5561.0, 5328.0, 5676.0, 5684.0, 5445.0, 5319.0, 5483.0, 5357.0, 5525.0, 5366.0, 5435.0, 5304.0, 5420.0, 5578.0, 5480.0, 5285.0, 5552.0, 5307.0, 5444.0, 5278.0, 5368.0, 5395.0, 5332.0, 5482.0, 5705.0, 5341.0, 5600.0, 5620.0, 5508.0, 5416.0, 5455.0, 5698.0, 5605.0, 5563.0, 5586.0, 5345.0, 5599.0, 5541.0, 5492.0, 5457.0, 5584.0, 5470.0 (number of hits: 3)
15	5520.0	9	1.0	333	1	5650.0, 5526.0, 5508.0, 5355.0, 5394.0, 5296.0, 5369.0, 5411.0, 5281.0, 5521.0, 5645.0, 5651.0, 5364.0, 5389.0, 5317.0, 5714.0, 5370.0, 5415.0, 5627.0, 5487.0, 5603.0, 5697.0, 5703.0, 5434.0, 5598.0, 5412.0, 5563.0, 5548.0, 5453.0, 5289.0, 5361.0, 5646.0, 5377.0, 5671.0, 5491.0, 5594.0, 5613.0, 5721.0, 5407.0, 5343.0, 5452.0, 5340.0, 5307.0, 5414.0, 5493.0, 5312.0, 5565.0, 5422.0, 5688.0, 5371.0, 5272.0, 5530.0, 5406.0, 5668.0, 5578.0,

						5362.0, 5418.0, 5576.0, 5686.0, 5641.0, 5649.0, 5316.0, 5480.0, 5501.0, 5644.0, 5689.0, 5293.0, 5545.0, 5263.0, 5428.0, 5372.0, 5268.0, 5512.0, 5383.0, 5454.0, 5330.0, 5385.0, 5676.0, 5630.0, 5401.0, 5490.0, 5335.0, 5409.0, 5533.0, 5423.0, 5634.0, 5601.0, 5273.0, 5473.0, 5348.0, 5298.0, 5503.0, 5670.0, 5469.0, 5574.0, 5528.0, 5368.0, 5590.0, 5706.0, 5589.0 (number of hits: 4)
16	5520.0	9	1.0	333	1	5656.0, 5482.0, 5262.0, 5317.0, 5520.0, 5446.0, 5380.0, 5584.0, 5551.0, 5439.0, 5523.0, 5378.0, 5416.0, 5592.0, 5451.0, 5665.0, 5517.0, 5307.0, 5363.0, 5287.0, 5278.0, 5652.0, 5513.0, 5545.0, 5295.0, 5581.0, 5538.0, 5696.0, 5635.0, 5394.0, 5687.0, 5349.0, 5274.0, 5539.0, 5338.0, 5388.0, 5347.0, 5530.0, 5589.0, 5611.0, 5369.0, 5634.0, 5703.0, 5301.0, 5710.0, 5633.0, 5298.0, 5502.0, 5622.0, 5570.0, 5603.0, 5429.0, 5615.0, 5476.0, 5375.0, 5479.0, 5702.0, 5552.0, 5483.0, 5294.0, 5311.0, 5418.0, 5332.0, 5426.0, 5366.0, 5636.0, 5497.0, 5424.0, 5511.0, 5571.0, 5373.0, 5568.0, 5469.0, 5659.0, 5518.0, 5624.0, 5718.0, 5504.0, 5664.0, 5384.0, 5550.0, 5450.0, 5319.0, 5681.0, 5505.0, 5554.0, 5704.0, 5382.0, 5580.0, 5512.0, 5259.0, 5445.0, 5415.0, 5263.0, 5296.0, 5401.0, 5364.0, 5273.0, 5515.0, 5327.0 (number of hits: 8)
17	5520.0	9	1.0	333	1	5318.0, 5645.0, 5456.0, 5312.0, 5703.0, 5276.0, 5668.0, 5535.0, 5402.0, 5499.0, 5628.0, 5284.0, 5408.0, 5500.0, 5325.0, 5599.0, 5295.0, 5335.0, 5348.0, 5354.0, 5481.0, 5486.0, 5349.0, 5337.0, 5567.0, 5702.0, 5401.0, 5584.0, 5361.0, 5435.0, 5528.0, 5704.0, 5492.0, 5449.0, 5321.0, 5479.0, 5508.0, 5343.0, 5330.0, 5698.0, 5633.0, 5484.0, 5514.0, 5598.0, 5518.0, 5634.0, 5583.0, 5623.0, 5425.0, 5666.0, 5385.0, 5476.0, 5569.0, 5280.0, 5328.0, 5676.0, 5495.0, 5719.0, 5297.0, 5291.0, 5693.0, 5448.0, 5616.0, 5552.0, 5632.0, 5446.0, 5520.0, 5675.0, 5711.0, 5609.0, 5505.0, 5644.0, 5323.0, 5532.0, 5398.0, 5266.0, 5541.0, 5564.0, 5546.0, 5444.0, 5303.0, 5490.0, 5282.0, 5542.0, 5352.0, 5445.0, 5647.0, 5277.0, 5694.0, 5594.0, 5696.0, 5269.0, 5659.0, 5610.0, 5331.0, 5557.0, 5672.0, 5342.0, 5643.0, 5662.0 (number of hits: 4)
18	5520.0	9	1.0	333	1	5671.0, 5260.0, 5560.0, 5517.0, 5518.0, 5544.0, 5549.0, 5353.0, 5475.0, 5371.0, 5631.0, 5539.0, 5430.0, 5495.0, 5382.0, 5270.0, 5399.0, 5647.0, 5650.0, 5656.0, 5387.0, 5261.0, 5327.0, 5406.0, 5292.0, 5428.0, 5694.0, 5355.0, 5665.0, 5587.0, 5407.0, 5307.0, 5471.0, 5420.0, 5359.0, 5326.0, 5282.0, 5414.0, 5379.0, 5623.0, 5627.0, 5575.0, 5505.0, 5337.0, 5254.0, 5715.0, 5427.0, 5275.0, 5708.0, 5277.0,

						5542.0, 5634.0, 5510.0, 5369.0, 5271.0, 5298.0, 5561.0, 5378.0, 5316.0, 5354.0, 5344.0, 5269.0, 5635.0, 5655.0, 5629.0, 5599.0, 5712.0, 5658.0, 5418.0, 5651.0, 5457.0, 5447.0, 5619.0, 5319.0, 5521.0, 5693.0, 5258.0, 5604.0, 5486.0, 5424.0, 5266.0, 5402.0, 5494.0, 5484.0, 5317.0, 5667.0, 5654.0, 5541.0, 5342.0, 5315.0, 5391.0, 5451.0, 5686.0, 5293.0, 5622.0, 5547.0, 5264.0, 5592.0, 5469.0, 5489.0 (number of hits: 3)
19	5520.0	9	1.0	333	1	5265.0, 5408.0, 5633.0, 5526.0, 5667.0, 5324.0, 5336.0, 5615.0, 5541.0, 5579.0, 5271.0, 5337.0, 5478.0, 5602.0, 5327.0, 5363.0, 5387.0, 5320.0, 5528.0, 5347.0, 5575.0, 5606.0, 5277.0, 5453.0, 5280.0, 5710.0, 5558.0, 5298.0, 5335.0, 5514.0, 5299.0, 5332.0, 5527.0, 5339.0, 5636.0, 5372.0, 5623.0, 5565.0, 5674.0, 5597.0, 5628.0, 5448.0, 5413.0, 5587.0, 5629.0, 5475.0, 5329.0, 5330.0, 5294.0, 5595.0, 5281.0, 5719.0, 5420.0, 5382.0, 5550.0, 5285.0, 5288.0, 5563.0, 5422.0, 5590.0, 5681.0, 5464.0, 5638.0, 5498.0, 5640.0, 5703.0, 5378.0, 5331.0, 5492.0, 5473.0, 5485.0, 5301.0, 5296.0, 5688.0, 5428.0, 5671.0, 5322.0, 5540.0, 5707.0, 5593.0, 5484.0, 5272.0, 5479.0, 5283.0, 5472.0, 5532.0, 5449.0, 5509.0, 5656.0, 5262.0, 5343.0, 5268.0, 5300.0, 5480.0, 5692.0, 5547.0, 5562.0, 5539.0, 5351.0, 5415.0 (number of hits: 4)
20	5520.0	9	1.0	333	1	5326.0, 5563.0, 5255.0, 5262.0, 5463.0, 5269.0, 5586.0, 5596.0, 5535.0, 5504.0, 5551.0, 5614.0, 5423.0, 5252.0, 5681.0, 5292.0, 5615.0, 5277.0, 5704.0, 5338.0, 5558.0, 5514.0, 5290.0, 5552.0, 5617.0, 5384.0, 5566.0, 5479.0, 5578.0, 5286.0, 5711.0, 5305.0, 5365.0, 5471.0, 5357.0, 5557.0, 5418.0, 5377.0, 5579.0, 5700.0, 5446.0, 5441.0, 5390.0, 5448.0, 5637.0, 5407.0, 5412.0, 5625.0, 5567.0, 5315.0, 5647.0, 5468.0, 5373.0, 5611.0, 5589.0, 5683.0, 5598.0, 5524.0, 5574.0, 5505.0, 5650.0, 5653.0, 5633.0, 5401.0, 5606.0, 5701.0, 5303.0, 5268.0, 5335.0, 5638.0, 5486.0, 5624.0, 5485.0, 5493.0, 5710.0, 5416.0, 5684.0, 5519.0, 5366.0, 5311.0, 5655.0, 5612.0, 5666.0, 5600.0, 5573.0, 5434.0, 5395.0, 5422.0, 5568.0, 5720.0, 5621.0, 5435.0, 5336.0, 5415.0, 5694.0, 5721.0, 5676.0, 5532.0, 5518.0, 5476.0 (number of hits: 4)
21	5520.0	9	1.0	333	1	5495.0, 5542.0, 5255.0, 5330.0, 5559.0, 5647.0, 5252.0, 5362.0, 5256.0, 5688.0, 5418.0, 5522.0, 5576.0, 5521.0, 5292.0, 5360.0, 5690.0, 5310.0, 5518.0, 5323.0, 5553.0, 5289.0, 5316.0, 5365.0, 5578.0, 5477.0, 5511.0, 5635.0, 5473.0, 5710.0, 5519.0, 5682.0, 5527.0, 5436.0, 5460.0, 5300.0, 5314.0, 5454.0, 5603.0, 5617.0, 5660.0, 5453.0, 5695.0, 5677.0, 5597.0,

						5285.0, 5523.0, 5583.0, 5468.0, 5335.0, 5387.0, 5354.0, 5331.0, 5630.0, 5329.0, 5579.0, 5370.0, 5377.0, 5675.0, 5622.0, 5698.0, 5556.0, 5266.0, 5293.0, 5650.0, 5268.0, 5455.0, 5481.0, 5564.0, 5599.0, 5406.0, 5621.0, 5254.0, 5294.0, 5341.0, 5563.0, 5258.0, 5620.0, 5537.0, 5431.0, 5640.0, 5386.0, 5493.0, 5320.0, 5414.0, 5508.0, 5443.0, 5718.0, 5657.0, 5577.0, 5311.0, 5459.0, 5533.0, 5424.0, 5663.0, 5678.0, 5590.0, 5483.0, 5422.0, 5680.0 (number of hits: 7)
22	5520.0	9	1.0	333	1	5651.0, 5628.0, 5685.0, 5342.0, 5637.0, 5383.0, 5265.0, 5664.0, 5328.0, 5702.0, 5549.0, 5445.0, 5290.0, 5470.0, 5588.0, 5690.0, 5696.0, 5662.0, 5360.0, 5495.0, 5671.0, 5680.0, 5486.0, 5688.0, 5719.0, 5325.0, 5350.0, 5399.0, 5619.0, 5711.0, 5438.0, 5348.0, 5703.0, 5402.0, 5611.0, 5297.0, 5285.0, 5569.0, 5675.0, 5381.0, 5448.0, 5505.0, 5315.0, 5528.0, 5269.0, 5286.0, 5411.0, 5586.0, 5522.0, 5376.0, 5572.0, 5676.0, 5501.0, 5713.0, 5327.0, 5564.0, 5454.0, 5485.0, 5627.0, 5531.0, 5466.0, 5654.0, 5379.0, 5635.0, 5291.0, 5412.0, 5359.0, 5457.0, 5598.0, 5393.0, 5545.0, 5579.0, 5616.0, 5295.0, 5532.0, 5300.0, 5722.0, 5356.0, 5317.0, 5407.0, 5339.0, 5503.0, 5631.0, 5660.0, 5252.0, 5440.0, 5499.0, 5612.0, 5673.0, 5498.0, 5471.0, 5624.0, 5566.0, 5529.0, 5321.0, 5273.0, 5670.0, 5543.0, 5618.0, 5307.0 (number of hits: 2)
23	5520.0	9	1.0	333	1	5503.0, 5287.0, 5497.0, 5313.0, 5447.0, 5272.0, 5351.0, 5362.0, 5644.0, 5311.0, 5640.0, 5424.0, 5716.0, 5381.0, 5345.0, 5347.0, 5453.0, 5568.0, 5614.0, 5675.0, 5481.0, 5707.0, 5530.0, 5703.0, 5288.0, 5303.0, 5621.0, 5542.0, 5649.0, 5421.0, 5408.0, 5540.0, 5464.0, 5544.0, 5638.0, 5405.0, 5487.0, 5557.0, 5411.0, 5395.0, 5300.0, 5306.0, 5700.0, 5475.0, 5423.0, 5686.0, 5324.0, 5416.0, 5560.0, 5593.0, 5627.0, 5594.0, 5664.0, 5348.0, 5463.0, 5484.0, 5445.0, 5282.0, 5608.0, 5410.0, 5343.0, 5642.0, 5372.0, 5581.0, 5420.0, 5615.0, 5470.0, 5569.0, 5714.0, 5673.0, 5588.0, 5533.0, 5681.0, 5374.0, 5721.0, 5490.0, 5394.0, 5693.0, 5255.0, 5539.0, 5344.0, 5407.0, 5413.0, 5256.0, 5322.0, 5617.0, 5549.0, 5259.0, 5341.0, 5639.0, 5547.0, 5625.0, 5400.0, 5419.0, 5312.0, 5340.0, 5379.0, 5438.0, 5361.0, 5514.0 (number of hits: 1)
24	5520.0	9	1.0	333	1	5568.0, 5650.0, 5573.0, 5690.0, 5695.0, 5552.0, 5292.0, 5349.0, 5579.0, 5664.0, 5691.0, 5546.0, 5492.0, 5644.0, 5547.0, 5478.0, 5538.0, 5623.0, 5310.0, 5283.0, 5524.0, 5380.0, 5721.0, 5615.0, 5371.0, 5476.0, 5428.0, 5263.0, 5620.0, 5412.0, 5473.0, 5417.0, 5449.0, 5613.0, 5612.0, 5336.0, 5418.0, 5718.0, 5332.0, 5338.0,

						5543.0, 5360.0, 5402.0, 5273.0, 5284.0, 5582.0, 5530.0, 5578.0, 5269.0, 5443.0, 5277.0, 5585.0, 5499.0, 5403.0, 5619.0, 5376.0, 5373.0, 5446.0, 5314.0, 5590.0, 5399.0, 5397.0, 5588.0, 5551.0, 5679.0, 5450.0, 5581.0, 5686.0, 5680.0, 5574.0, 5713.0, 5703.0, 5495.0, 5571.0, 5326.0, 5481.0, 5688.0, 5708.0, 5639.0, 5489.0, 5379.0, 5594.0, 5533.0, 5459.0, 5302.0, 5616.0, 5303.0, 5545.0, 5553.0, 5335.0, 5682.0, 5368.0, 5330.0, 5668.0, 5299.0, 5367.0, 5561.0, 5646.0, 5460.0, 5712.0 (number of hits: 1)
25	5520.0	9	1.0	333	1	5448.0, 5489.0, 5473.0, 5523.0, 5330.0, 5391.0, 5555.0, 5522.0, 5579.0, 5403.0, 5554.0, 5706.0, 5635.0, 5333.0, 5562.0, 5430.0, 5563.0, 5703.0, 5289.0, 5586.0, 5409.0, 5723.0, 5382.0, 5377.0, 5524.0, 5699.0, 5251.0, 5255.0, 5364.0, 5332.0, 5541.0, 5599.0, 5264.0, 5552.0, 5529.0, 5429.0, 5538.0, 5342.0, 5478.0, 5417.0, 5401.0, 5405.0, 5258.0, 5644.0, 5525.0, 5696.0, 5452.0, 5470.0, 5491.0, 5701.0, 5455.0, 5652.0, 5260.0, 5361.0, 5286.0, 5272.0, 5597.0, 5266.0, 5582.0, 5363.0, 5532.0, 5431.0, 5709.0, 5619.0, 5414.0, 5595.0, 5297.0, 5493.0, 5704.0, 5640.0, 5324.0, 5708.0, 5290.0, 5680.0, 5715.0, 5284.0, 5384.0, 5410.0, 5537.0, 5659.0, 5607.0, 5424.0, 5433.0, 5624.0, 5601.0, 5281.0, 5309.0, 5254.0, 5670.0, 5259.0, 5499.0, 5689.0, 5301.0, 5668.0, 5335.0, 5466.0, 5270.0, 5530.0, 5540.0, 5533.0 (number of hits: 4)
26	5520.0	9	1.0	333	1	5587.0, 5379.0, 5485.0, 5289.0, 5681.0, 5308.0, 5636.0, 5651.0, 5543.0, 5433.0, 5259.0, 5619.0, 5596.0, 5329.0, 5536.0, 5595.0, 5394.0, 5516.0, 5567.0, 5561.0, 5626.0, 5452.0, 5541.0, 5374.0, 5551.0, 5704.0, 5610.0, 5425.0, 5466.0, 5454.0, 5491.0, 5300.0, 5388.0, 5580.0, 5563.0, 5432.0, 5663.0, 5609.0, 5364.0, 5719.0, 5594.0, 5571.0, 5648.0, 5692.0, 5698.0, 5299.0, 5312.0, 5383.0, 5519.0, 5703.0, 5683.0, 5467.0, 5287.0, 5645.0, 5323.0, 5350.0, 5602.0, 5660.0, 5276.0, 5363.0, 5304.0, 5581.0, 5724.0, 5429.0, 5592.0, 5674.0, 5586.0, 5664.0, 5537.0, 5690.0, 5371.0, 5341.0, 5679.0, 5345.0, 5378.0, 5620.0, 5328.0, 5600.0, 5355.0, 5644.0, 5292.0, 5414.0, 5255.0, 5477.0, 5562.0, 5297.0, 5691.0, 5357.0, 5441.0, 5461.0, 5372.0, 5521.0, 5254.0, 5514.0, 5327.0, 5416.0, 5458.0, 5381.0, 5556.0, 5291.0 (number of hits: 4)
27	5520.0	9	1.0	333	1	5415.0, 5253.0, 5435.0, 5372.0, 5587.0, 5592.0, 5300.0, 5665.0, 5298.0, 5340.0, 5653.0, 5363.0, 5388.0, 5538.0, 5552.0, 5296.0, 5457.0, 5394.0, 5395.0, 5452.0, 5675.0, 5361.0, 5351.0, 5402.0, 5486.0, 5721.0, 5269.0, 5268.0, 5299.0, 5447.0, 5656.0, 5543.0, 5347.0, 5718.0, 5723.0,

						5323.0, 5331.0, 5576.0, 5488.0, 5698.0, 5594.0, 5263.0, 5467.0, 5578.0, 5657.0, 5583.0, 5511.0, 5409.0, 5660.0, 5647.0, 5465.0, 5343.0, 5403.0, 5301.0, 5724.0, 5254.0, 5634.0, 5565.0, 5391.0, 5349.0, 5389.0, 5706.0, 5560.0, 5270.0, 5399.0, 5418.0, 5255.0, 5377.0, 5593.0, 5407.0, 5472.0, 5267.0, 5396.0, 5654.0, 5561.0, 5481.0, 5536.0, 5275.0, 5619.0, 5489.0, 5311.0, 5533.0, 5310.0, 5478.0, 5669.0, 5385.0, 5378.0, 5353.0, 5651.0, 5547.0, 5504.0, 5683.0, 5558.0, 5464.0, 5474.0, 5521.0, 5589.0, 5512.0, 5426.0, 5515.0 (number of hits: 4)
28	5520.0	9	1.0	333	1	5695.0, 5254.0, 5292.0, 5260.0, 5576.0, 5261.0, 5618.0, 5263.0, 5398.0, 5591.0, 5295.0, 5374.0, 5506.0, 5680.0, 5302.0, 5270.0, 5272.0, 5502.0, 5582.0, 5455.0, 5595.0, 5563.0, 5387.0, 5677.0, 5588.0, 5497.0, 5266.0, 5711.0, 5623.0, 5527.0, 5634.0, 5580.0, 5601.0, 5718.0, 5540.0, 5604.0, 5378.0, 5573.0, 5536.0, 5559.0, 5372.0, 5637.0, 5686.0, 5499.0, 5567.0, 5625.0, 5514.0, 5460.0, 5325.0, 5412.0, 5670.0, 5364.0, 5399.0, 5612.0, 5654.0, 5367.0, 5352.0, 5678.0, 5355.0, 5511.0, 5279.0, 5521.0, 5461.0, 5258.0, 5665.0, 5550.0, 5296.0, 5319.0, 5448.0, 5529.0, 5698.0, 5701.0, 5415.0, 5429.0, 5643.0, 5389.0, 5313.0, 5454.0, 5517.0, 5354.0, 5330.0, 5524.0, 5569.0, 5450.0, 5526.0, 5615.0, 5531.0, 5627.0, 5441.0, 5394.0, 5291.0, 5647.0, 5585.0, 5505.0, 5533.0, 5496.0, 5611.0, 5314.0, 5435.0, 5414.0 (number of hits: 7)
29	5520.0	9	1.0	333	0	
30	5520.0	9	1.0	333	1	5267.0, 5266.0, 5695.0, 5341.0, 5514.0, 5586.0, 5405.0, 5557.0, 5642.0, 5621.0, 5527.0, 5649.0, 5643.0, 5491.0, 5437.0, 5447.0, 5284.0, 5343.0, 5365.0, 5623.0, 5265.0, 5523.0, 5303.0, 5333.0, 5257.0, 5703.0, 5282.0, 5446.0, 5570.0, 5713.0, 5459.0, 5629.0, 5495.0, 5571.0, 5590.0, 5388.0, 5408.0, 5288.0, 5425.0, 5250.0, 5454.0, 5269.0, 5671.0, 5606.0, 5331.0, 5385.0, 5350.0, 5407.0, 5361.0, 5518.0, 5544.0, 5383.0, 5484.0, 5657.0, 5687.0, 5568.0, 5481.0, 5260.0, 5465.0, 5578.0, 5373.0, 5662.0, 5680.0, 5413.0, 5424.0, 5682.0, 5348.0, 5390.0, 5625.0, 5391.0, 5603.0, 5667.0, 5441.0, 5538.0, 5716.0, 5543.0, 5674.0, 5321.0, 5298.0, 5486.0, 5268.0, 5604.0, 5325.0, 5369.0, 5344.0, 5580.0, 5384.0, 5535.0, 5689.0, 5492.0, 5556.0, 5627.0, 5616.0, 5374.0, 5473.0, 5485.0, 5315.0, 5471.0, 5525.0, 5366.0 (number of hits: 5)

Master Mode

5550 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	96.7 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7%	80%	Pass
Type 5	30	96.7 %	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 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	86	1.0	618	1
2	68	1.0	778	1
3	78	1.0	678	1
4	67	1.0	798	1
5	74	1.0	718	1
6	76	1.0	698	1
7	62	1.0	858	1
8	72	1.0	738	1
9	70	1.0	758	1
10	63	1.0	838	1
11	57	1.0	938	1
12	65	1.0	818	1
13	92	1.0	578	1
14	89	1.0	598	1
15	81	1.0	658	1
16	23	1.0	2394	1
17	93	1.0	570	1
18	60	1.0	886	1
19	20	1.0	2713	1
20	36	1.0	1489	1
21	86	1.0	617	1
22	41	1.0	1300	1
23	34	1.0	1577	1
24	92	1.0	575	1
25	79	1.0	670	1
26	40	1.0	1331	1
27	20	1.0	2723	1
28	29	1.0	1830	1
29	23	1.0	2304	1
30	44	1.0	1215	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	29	4.4	160	0
2	28	3.9	225	1
3	23	2.6	220	1
4	27	4.1	221	1
5	23	2.0	224	1
6	24	2.3	178	1
7	26	4.8	172	0
8	24	3.5	175	1
9	23	1.0	178	1
10	23	3.2	167	1
11	29	2.3	230	1
12	25	2.7	219	1
13	24	2.4	227	1
14	25	4.7	220	0
15	27	4.7	187	1
16	26	1.1	165	1
17	26	1.1	167	1
18	27	3.7	158	1
19	29	1.1	186	1
20	26	3.2	157	1
21	25	3.7	196	1
22	28	4.0	193	1
23	25	1.2	210	1
24	27	2.5	165	1
25	27	3.7	205	0
26	27	1.8	200	1
27	26	1.5	167	1
28	26	2.3	220	1
29	29	3.4	188	1
30	23	1.0	218	0
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.7	229	1
2	16	7.5	500	1
3	16	9.4	402	1
4	16	9.9	493	1
5	17	6.3	358	1
6	17	6.2	203	1
7	18	6.1	320	1
8	18	7.5	384	1
9	17	6.6	269	1
10	18	6.5	354	1
11	16	9.0	233	1
12	16	6.7	317	1
13	16	9.5	416	1
14	18	7.4	452	1
15	17	6.3	410	1
16	16	9.7	357	1
17	17	8.3	460	1
18	17	9.7	286	1
19	17	6.0	349	1
20	17	9.0	388	1
21	16	7.0	229	1
22	18	7.1	234	1
23	16	8.6	402	1
24	18	8.6	219	1
25	18	7.3	243	1
26	17	7.3	308	1
27	16	9.9	481	0
28	16	7.5	362	1
29	18	7.7	345	1
30	16	7.8	347	1
Detection Percentage: 96.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	18.3	380	1
2	14	13.9	206	1
3	15	19.8	278	0
4	12	18.5	500	1
5	16	16.4	456	1
6	12	11.0	311	1
7	16	11.9	277	1
8	15	13.5	467	1
9	16	19.1	370	1
10	12	17.2	355	1
11	16	19.2	414	1
12	14	14.6	295	1
13	15	16.8	206	1
14	13	13.8	251	1
15	16	14.8	396	1
16	16	15.6	333	1
17	12	14.8	221	1
18	15	15.2	283	1
19	15	16.1	490	1
20	13	19.2	348	1
21	15	12.4	472	1
22	14	12.7	269	1
23	13	17.5	455	1
24	13	18.3	450	0
25	14	20.0	480	0
26	15	14.1	357	1
27	16	15.2	275	1
28	16	19.4	305	0
29	13	16.2	419	1
30	16	11.6	497	1
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5550	1
2	5550	1
3	5550	1
4	5550	1
5	5550	1
6	5550	1
7	5550	1
8	5550	1
9	5550	1
10	5550	1
11	5534.6	1
12	5537.8	0
13	5538.9	1
14	5537.4	1
15	5533.8	1
16	5535.8	1
17	5536.1	1
18	5534.1	1
19	5536.9	1
20	5536.6	1
21	5563.1	1
22	5563.1	1
23	5563.4	1
24	5563.9	1
25	5561.9	1
26	5560.2	1
27	5564.6	1
28	5565.4	1
29	5565.9	1
30	5563.1	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	98.7	1298		0.045699	
1	2	12	74.8	1521		1.540943	
2	1	12	76.9			2.317547	
3	1	12	63.4			2.613808	
4	1	12	55.5			3.520044	
5	2	12	71.7	1383		4.028228	
6	2	12	83.9	1699		5.173660	
7	1	12	63.4			6.350493	1
8	3	12	99.1	1856	1440	7.037259	
9	2	12	67.4	1971		7.693027	
10	2	12	56.3	1105		8.513433	
11	1	12	70.3			9.258960	
12	2	12	72.6	1447		9.687206	
13	2	12	83.6	1523		10.642223	
14	2	12	72.5	1153		11.439873	

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	15	65.9	1921		0.745858	
1	2	15	94.7	1229		1.013215	
2	2	15	58.0	1806		1.819703	
3	1	15	71.1			2.425567	
4	3	15	63.0	1313	1770	3.316780	
5	2	15	89.4	1928		4.445901	
6	1	15	66.0			5.376960	
7	1	15	89.8			6.071464	1
8	3	15	89.6	1057	1928	7.184047	
9	2	15	89.3	1167		7.600348	
10	1	15	71.3			8.355146	
11	3	15	60.8	1808	1796	9.348188	
12	1	15	84.0			9.641402	
13	3	15	65.5	1442	1290	10.442716	
14	1	15	86.0			11.287777	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	92.6			0.292755	1
1	1	10	73.6			1.051303	
2	1	10	66.2			1.794582	
3	2	10	69.5	1816		2.583859	
4	2	10	91.4	1933		3.159431	
5	2	10	89.0	1013		3.978382	
6	2	10	92.8	1003		4.318225	
7	1	10	80.1			5.209134	
8	3	10	86.6	1569	1969	5.520037	
9	2	10	91.9	1658		6.127348	
10	2	10	87.1	1568		6.753353	
11	2	10	91.9	1536		7.484108	
12	2	10	89.0	1275		8.338479	
13	1	10	54.4			8.977401	
14	3	10	69.9	1500	1403	9.900494	
15	2	10	74.9	1209		10.090745	
16	2	10	94.9	1523		11.034286	
17	2	10	93.8	1717		11.787189	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	66.6	1068		0.452808	1
1	2	9	91.9	1562		1.320476	
2	2	9	95.8	1769		1.894645	
3	2	9	66.9	1702		2.299188	
4	1	9	51.2			3.372450	
5	1	9	57.8			4.307401	
6	1	9	60.7			4.745616	
7	3	9	96.9	1026	1378	5.637550	
8	3	9	92.1	1337	1557	6.653188	
9	2	9	90.4	1139		6.941809	
10	1	9	58.4			7.606851	
11	1	9	83.1			8.589248	
12	2	9	91.4	1887		9.036064	
13	3	9	86.4	1004	1146	10.072541	
14	2	9	84.5	1469		10.704277	
15	1	9	94.8			11.838920	

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	11	88.0	1568		0.187154	1
1	1	11	59.1			1.473427	
2	2	11	73.5	1115		2.171119	
3	1	11	70.1			2.631215	
4	3	11	76.2	1894	1785	3.616810	
5	3	11	80.5	1925	1213	4.386184	
6	2	11	84.2	1264		4.638679	
7	1	11	83.9			5.525426	
8	3	11	91.0	1864	1490	6.301019	
9	2	11	93.3	1766		7.410106	
10	2	11	53.4	1993		7.711380	
11	1	11	97.9			8.744426	
12	2	11	100.0	1238		9.248696	
13	1	11	72.1			9.793027	
14	1	11	95.5			10.928471	
15	1	11	60.8			11.573305	

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	8	55.4			0.285150	1
1	1	8	84.0			0.753146	
2	3	8	87.4	1020	1769	2.048292	
3	2	8	77.6	1888		2.794861	
4	2	8	81.8	1761		3.242931	
5	2	8	65.1	1636		3.786451	
6	3	8	60.7	1456	1789	4.754796	
7	1	8	77.0			5.007062	
8	1	8	55.2			5.820442	
9	2	8	99.9	1997		6.462906	
10	3	8	64.0	1663	1286	7.625423	
11	1	8	94.2			7.768576	
12	2	8	98.5	1751		9.028617	
13	2	8	99.4	1423		9.256923	
14	2	8	57.2	1551		10.031459	
15	1	8	60.2			10.706664	
16	1	8	84.8			11.341647	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	88.7	1952		0.353964	1
1	2	10	72.6	1164		1.188539	
2	2	10	50.2	1928		1.433518	
3	1	10	54.9			1.918034	
4	2	10	55.1	1818		2.582312	
5	2	10	87.7	1747		3.439039	
6	1	10	70.6			4.084832	
7	1	10	63.6			4.248192	
8	1	10	73.9			5.181676	
9	2	10	60.2	1706		5.752767	
10	2	10	51.2	1785		6.475522	
11	3	10	62.4	1840	1266	6.657390	
12	3	10	93.0	1553	1948	7.540054	
13	1	10	68.6			8.014314	
14	2	10	65.4	1190		8.849030	
15	2	10	64.2	1043		9.122520	
16	2	10	77.9	1498		10.119666	
17	2	10	60.6	1165		10.740031	
18	1	10	63.7			11.143936	
19	2	10	63.9	1183		11.419378	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	94.6	1469		0.314734	
1	2	8	87.0	1928		1.001538	
2	2	8	77.8	1049		1.221039	
3	2	8	95.3	1846		2.187065	
4	2	8	74.6	1254		2.497504	
5	2	8	90.9	1476		3.374017	
6	2	8	79.9	1424		4.147521	
7	2	8	61.5	1645		4.309671	
8	2	8	86.7	1073		4.852317	
9	3	8	54.1	1078	1325	5.846564	1
10	3	8	52.6	1760	1101	6.578184	
11	3	8	65.6	1415	1707	7.035453	
12	2	8	77.3	1324		7.776163	
13	2	8	96.5	1177		8.354932	
14	2	8	54.2	1985		8.542721	
15	2	8	72.0	1132		9.437436	
16	2	8	95.9	1990		9.994861	
17	2	8	70.2	1357		10.772822	
18	2	8	54.6	1362		11.226896	
19	1	8	62.1			11.685070	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	50.8	1329		0.718807	1
1	1	13	70.5			1.676086	
2	2	13	91.7	1397		2.613608	
3	2	13	82.2	1068		3.072234	
4	2	13	85.3	1346		4.304788	
5	2	13	78.6	1538		5.302720	
6	2	13	53.1	1364		6.015539	
7	2	13	54.2	1691		7.886791	
8	2	13	90.0	1407		8.092774	
9	2	13	55.1	1172		9.558556	
10	2	13	64.2	1636		10.668060	
11	1	13	51.5			11.090108	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	51.4	1666	1695	0.160307	1
1	1	10	52.0			1.421973	
2	1	10	83.7			2.309580	
3	1	10	75.3			3.950831	
4	1	10	56.8			4.532277	
5	2	10	83.0	1603		5.308630	
6	2	10	54.9	1408		6.649897	
7	2	10	63.8	1697		7.563391	
8	3	10	78.1	1405	1105	8.397349	
9	2	10	98.9	1098		9.306928	
10	1	10	68.3			10.880515	
11	3	10	64.7	1782	1568	11.566910	

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	95.1			0.010317	1
1	2	7	89.2	1058		1.445985	
2	3	7	96.8	1103	1732	2.271162	
3	1	7	77.5			2.828386	
4	2	7	70.1	1817		3.716740	
5	3	7	78.5	1077	1959	4.665236	
6	1	7	63.3			5.699344	
7	2	7	71.2	1956		6.317897	
8	2	7	66.0	1896		7.451813	
9	2	7	95.6	1091		8.470837	
10	2	7	80.8	1434		8.878548	
11	2	7	99.4	1501		9.509792	
12	2	7	77.6	1820		10.596556	
13	2	7	93.7	1294		11.369418	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	95.1	1572		0.038492	0
1	2	15	70.4	1608		2.009664	
2	1	15	81.9			2.690546	
3	1	15	54.6			3.436823	
4	3	15	85.0	1342	1811	5.202680	
5	3	15	70.8	1473	1233	6.069399	
6	3	15	69.7	1569	1933	7.327380	
7	1	15	55.9			8.584420	
8	1	15	98.7			8.896201	
9	2	15	97.4	1375		10.256945	
10	2	15	63.9	1465		11.405263	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	54.1	1484		0.401468	
1	3	18	82.8	1884	1487	0.817544	
2	1	18	58.2			1.423208	
3	2	18	96.1	1536		2.230054	
4	2	18	85.7	1409		2.654216	
5	1	18	66.8			3.426742	
6	1	18	52.2			3.839584	
7	2	18	69.0	1708		4.962848	
8	2	18	71.2	1977		5.674610	
9	2	18	59.3	1841		5.914777	1
10	3	18	62.2	1657	1530	6.750430	
11	3	18	58.9	1474	1595	7.128610	
12	1	18	59.5			8.134873	
13	2	18	84.5	1015		8.694306	
14	1	18	74.9			8.966487	
15	2	18	54.6	1195		9.571448	
16	2	18	93.0	1838		10.447991	
17	2	18	58.0	1244		10.863215	
18	1	18	58.1			11.428159	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	76.3	1034		0.430926	
1	3	14	74.3	1530	1330	0.989341	
2	2	14	74.8	1912		2.221590	
3	2	14	84.7	1076		3.156592	
4	1	14	65.8			4.529464	
5	1	14	63.5			5.179609	
6	2	14	99.9	1272		6.344031	1
7	2	14	50.1	1073		6.985889	
8	1	14	69.0			8.148321	
9	3	14	60.0	1363	1697	8.436589	
10	1	14	74.7			9.580427	
11	2	14	77.9	1745		10.792447	
12	3	14	56.6	1799	1860	11.943132	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	73.7			0.438391	1
1	1	5	97.3			1.201073	
2	1	5	99.0			2.211700	
3	3	5	89.4	1263	1585	3.485751	
4	2	5	82.9	1145		4.406687	
5	1	5	61.4			5.262622	
6	1	5	90.4			6.977041	
7	3	5	64.3	1172	1653	7.179288	
8	2	5	77.9	1305		8.983716	
9	1	5	66.2			9.533441	
10	2	5	94.4	1116		10.076906	
11	2	5	75.1	1358		11.774194	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	57.0	1608		0.434520	1
1	2	10	81.8	1419		1.381746	
2	1	10	69.6			2.409505	
3	1	10	72.4			3.061970	
4	2	10	90.5	1071		3.490475	
5	1	10	98.5			4.461232	
6	3	10	51.3	1441	1478	5.690865	
7	2	10	69.5	1847		6.142238	
8	1	10	65.1			6.894839	
9	2	10	77.9	1197		8.048332	
10	3	10	66.3	1920	1126	8.847142	
11	3	10	56.2	1947	1332	9.533428	
12	2	10	98.7	1493		10.918480	
13	2	10	54.7	1311		11.913674	

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	11	70.3	1820		0.422428	1
1	2	11	95.4	1135		0.908474	
2	2	11	85.5	1535		1.919578	
3	2	11	91.1	1688		2.501817	
4	2	11	56.2	1021		2.836769	
5	2	11	82.9	1605		3.610801	
6	2	11	93.7	1036		4.364149	
7	3	11	81.9	1417	1131	5.040988	
8	1	11	67.5			5.521655	
9	1	11	98.7			6.414772	
10	2	11	68.5	1509		7.297554	
11	1	11	96.5			7.347581	
12	2	11	72.0	1567		8.261058	
13	2	11	54.6	1278		9.025281	
14	2	11	69.9	1283		9.509667	
15	2	11	57.3	1881		10.436010	
16	2	11	79.9	1219		11.264061	
17	3	11	93.6	1901	1810	11.873439	

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	59.9	1692		0.445329	
1	3	6	72.3	1489	1715	1.160068	
2	2	6	50.4	1477		1.453728	
3	2	6	73.6	1085		1.864668	
4	3	6	53.5	1783	1969	2.437716	
5	2	6	60.3	1276		3.381051	
6	2	6	57.6	1374		3.870139	
7	1	6	85.8			4.350247	
8	2	6	64.8	1212		5.165119	
9	2	6	59.2	1183		5.857225	1
10	3	6	58.0	1811	1737	6.132035	
11	2	6	53.7	1235		6.756835	
12	3	6	75.7	1141	1536	7.359597	
13	2	6	84.6	1248		7.812722	
14	2	6	51.9	1432		8.431309	
15	1	6	71.9			9.563197	
16	3	6	76.7	1376	1420	10.036819	
17	3	6	81.3	1349	1424	10.324849	
18	3	6	64.1	1599	1070	11.356171	
19	1	6	63.6			11.796706	

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	13	69.6	1062	1553	0.663566	1
1	2	13	79.1	1134		1.380938	
2	2	13	63.6	1718		2.069781	
3	2	13	83.5	1863		3.299715	
4	2	13	63.6	1827		4.115576	
5	3	13	96.1	1238	1937	4.696974	
6	3	13	91.4	1704	1582	5.651148	
7	2	13	51.8	1593		6.754334	
8	3	13	94.7	1204	1743	6.932000	
9	2	13	94.9	1750		8.241976	
10	2	13	98.9	1326		9.242892	
11	1	13	69.5			9.881736	
12	2	13	55.6	1817		10.508804	
13	2	13	70.9	1391		11.523516	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	79.2	1328		0.843307	1
1	2	12	80.9	1801		1.720192	
2	1	12	68.6			2.268849	
3	3	12	67.9	1255	1719	3.103084	
4	1	12	88.3			3.807673	
5	1	12	90.9			4.925326	
6	3	12	60.7	1243	1145	6.204226	
7	2	12	51.2	1981		7.329844	
8	2	12	93.4	1640		7.666371	
9	3	12	86.8	1378	1495	8.365399	
10	3	12	68.7	1510	1779	9.366429	
11	3	12	97.3	1587	1135	10.523901	
12	3	12	60.6	1960	1547	11.153522	

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	13	77.1	1816		0.084883	1
1	1	13	86.7			1.399165	
2	1	13	79.0			2.763640	
3	3	13	75.3	1712	1128	4.501899	
4	2	13	82.7	1992		5.361662	
5	2	13	51.3	1843		7.058043	
6	1	13	90.6			8.110564	
7	2	13	57.6	1467		8.836655	
8	3	13	74.3	1245	1873	10.472013	
9	2	13	86.3	1288		11.327133	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	74.0			0.124705	1
1	2	13	99.8	1140		1.194071	
2	1	13	52.9			1.476056	
3	1	13	54.3			2.542987	
4	1	13	65.2			3.300011	
5	1	13	69.9			3.974872	
6	1	13	76.1			4.491496	
7	3	13	61.1	1869	1497	4.727322	
8	3	13	95.1	1786	1677	5.546231	
9	3	13	51.1	1962	1876	6.463893	
10	3	13	61.1	1894	1675	7.295162	
11	2	13	93.4	1597		7.892348	
12	3	13	95.2	1422	1452	8.209795	
13	3	13	53.8	1329	1894	9.221793	
14	3	13	64.6	1133	1884	9.379101	
15	1	13	51.1			10.266859	
16	1	13	63.2			10.913084	
17	3	13	63.1	1243	1373	11.563111	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	50.9	1766		0.502549	
1	1	12	87.5			0.991551	
2	1	12	64.9			1.687286	
3	3	12	67.8	1930	1193	2.205428	
4	2	12	88.3	1132		2.989350	
5	1	12	83.0			3.258106	
6	3	12	85.0	1306	1278	3.985571	
7	2	12	77.3	1107		4.825531	
8	2	12	55.5	1600		5.412860	
9	1	12	78.7			6.227346	1
10	2	12	88.2	1533		6.878492	
11	2	12	69.0	1225		7.322507	
12	3	12	51.6	1642	1274	8.010175	
13	2	12	69.3	1451		8.679363	
14	2	12	90.7	1781		9.159164	
15	1	12	70.3			9.590704	
16	1	12	58.3			10.701940	
17	2	12	95.0	1585		11.310119	
18	3	12	69.9	1491	1672	11.564492	

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	11	78.0	1716	1288	0.767263	
1	2	11	99.1	1050		1.547950	
2	2	11	53.4	1849		2.391915	
3	2	11	54.5	1395		3.346627	
4	2	11	97.5	1511		4.267518	
5	1	11	71.2			5.333512	
6	3	11	78.7	1669	1592	5.758840	1
7	1	11	88.6			6.603346	
8	2	11	51.1	1250		7.905907	
9	3	11	67.1	1726	1830	8.845164	
10	2	11	99.5	1609		10.008022	
11	2	11	85.8	1418		10.831303	
12	3	11	88.8	1578	1453	11.168541	

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	16	64.0			0.740821	
1	1	16	52.0			1.411231	
2	3	16	57.4	1212	1122	2.213435	
3	2	16	56.2	1845		4.314735	
4	3	16	82.4	1122	1653	5.370644	
5	3	16	72.6	1767	1857	5.705944	1
6	2	16	93.4	1754		7.397126	
7	1	16	80.6			8.222412	
8	2	16	89.1	1900		8.873546	
9	2	16	59.6	1275		10.890209	
10	2	16	85.6	1918		11.391522	

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	20	81.7	1513	1734	0.707351	
1	2	20	95.1	1681		1.754329	
2	2	20	54.3	1900		3.107970	
3	3	20	51.3	1554	1124	5.218343	
4	2	20	73.3	1474		6.545400	1
5	3	20	70.1	1872	1923	6.926217	
6	2	20	93.1	1258		8.988292	
7	1	20	73.2			10.027159	
8	1	20	63.0			11.941540	

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	9	77.6	1799		0.054636	
1	1	9	85.6			0.707252	
2	2	9	92.9	1230		1.827345	
3	2	9	69.4	1687		2.108093	
4	2	9	63.0	1558		2.706519	
5	1	9	76.4			3.188796	
6	3	9	56.9	1904	1751	4.334233	
7	2	9	99.9	1206		4.612905	
8	1	9	98.2			5.588024	
9	1	9	64.8			5.919749	1
10	2	9	81.7	1566		6.325833	
11	3	9	51.9	1608	1603	7.273627	
12	3	9	82.8	1284	1336	8.153615	
13	1	9	90.9			8.335938	
14	1	9	65.6			9.238560	
15	3	9	97.1	1874	1360	9.485319	
16	2	9	59.5	1126		10.210302	
17	2	9	66.6	1568		10.900912	
18	1	9	54.2			11.874619	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	80.9	1435		0.062854	
1	2	7	76.1	1691		1.363171	
2	3	7	67.3	1004	1996	3.008657	
3	3	7	87.9	1387	1084	4.665979	
4	3	7	91.9	1673	1089	5.810760	1
5	2	7	61.4	1217		7.434030	
6	2	7	72.9	1356		8.699061	
7	2	7	65.4	1600		9.744968	
8	2	7	60.7	1168		10.879810	

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	6	84.4	1328		0.677662	1
1	2	6	52.8	1215		1.498482	
2	2	6	58.2	1036		1.815727	
3	3	6	70.9	1921	1242	2.638413	
4	2	6	50.8	1148		3.212402	
5	2	6	87.6	1320		4.053166	
6	2	6	65.2	1999		5.445253	
7	2	6	64.4	1402		5.640868	
8	2	6	94.0	1089		6.862253	
9	3	6	89.5	1593	1626	7.536682	
10	2	6	58.1	1076		8.238066	
11	2	6	78.6	1101		9.203667	
12	2	6	90.1	1935		10.371540	
13	3	6	57.1	1117	1095	11.033958	
14	2	6	72.2	1917		11.259666	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	68.8			0.573247	1
1	2	13	62.7	1781		1.011424	
2	1	13	69.8			1.742258	
3	2	13	84.3	1199		1.985808	
4	2	13	98.0	1292		2.749927	
5	3	13	71.9	1608	1222	3.774893	
6	1	13	71.9			3.845825	
7	1	13	72.8			4.535719	
8	1	13	77.8			5.062179	
9	2	13	82.8	1776		5.770082	
10	2	13	89.1	1124		6.730830	
11	3	13	91.1	1432	1639	6.993843	
12	2	13	58.9	1464		7.929072	
13	1	13	68.4			8.580611	
14	2	13	86.3	1909		8.885919	
15	1	13	72.5			10.070532	
16	2	13	78.7	1478		10.139393	
17	1	13	88.7			11.287106	
18	1	13	81.0			11.398698	

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	5550.0	9	1.0	333	1	5601.0, 5491.0, 5571.0, 5499.0, 5296.0, 5524.0, 5386.0, 5317.0, 5280.0, 5552.0, 5681.0, 5691.0, 5390.0, 5645.0, 5433.0, 5631.0, 5434.0, 5401.0, 5381.0, 5700.0, 5278.0, 5423.0, 5642.0, 5464.0, 5351.0, 5512.0, 5537.0, 5268.0, 5363.0, 5486.0, 5621.0, 5509.0, 5671.0, 5437.0, 5277.0, 5545.0, 5716.0, 5328.0, 5343.0, 5542.0, 5340.0, 5641.0, 5633.0, 5447.0, 5360.0, 5525.0, 5500.0, 5708.0, 5567.0, 5534.0, 5289.0, 5592.0, 5563.0, 5256.0, 5323.0, 5487.0, 5531.0, 5715.0, 5364.0, 5622.0, 5253.0, 5466.0, 5652.0, 5356.0, 5699.0, 5448.0, 5446.0, 5596.0, 5597.0, 5554.0, 5677.0, 5439.0, 5290.0, 5697.0, 5468.0, 5395.0, 5651.0, 5413.0, 5254.0, 5636.0, 5536.0, 5397.0, 5606.0, 5345.0, 5259.0, 5504.0, 5655.0, 5586.0, 5429.0, 5286.0, 5560.0, 5669.0, 5490.0, 5461.0, 5420.0, 5358.0, 5706.0, 5498.0, 5267.0, 5674.0 (number of hits: 10)
2	5550.0	9	1.0	333	1	5568.0, 5615.0, 5338.0, 5662.0, 5525.0, 5586.0, 5414.0, 5306.0, 5385.0, 5295.0, 5639.0, 5429.0, 5372.0, 5465.0, 5439.0, 5420.0, 5598.0, 5397.0, 5305.0, 5273.0, 5606.0, 5674.0, 5268.0, 5441.0, 5442.0, 5709.0, 5433.0, 5534.0, 5611.0, 5449.0, 5650.0, 5411.0, 5537.0, 5528.0, 5617.0, 5328.0, 5671.0, 5699.0, 5555.0, 5280.0, 5630.0, 5263.0, 5517.0, 5284.0, 5502.0, 5493.0, 5667.0, 5565.0, 5486.0, 5262.0, 5629.0, 5458.0, 5613.0, 5604.0, 5575.0, 5314.0, 5591.0, 5464.0, 5691.0, 5293.0, 5334.0, 5573.0, 5580.0, 5605.0, 5461.0, 5417.0, 5646.0, 5401.0, 5321.0, 5612.0, 5488.0, 5350.0, 5587.0, 5393.0, 5330.0, 5277.0, 5462.0, 5592.0, 5684.0, 5294.0, 5585.0, 5560.0, 5343.0, 5624.0, 5413.0, 5438.0, 5693.0, 5687.0, 5445.0, 5402.0, 5554.0, 5288.0, 5278.0, 5459.0, 5631.0, 5286.0, 5337.0, 5570.0, 5255.0, 5319.0 (number of hits: 6)
3	5550.0	9	1.0	333	1	5623.0, 5555.0, 5563.0, 5468.0, 5417.0, 5434.0, 5694.0, 5457.0, 5628.0, 5411.0, 5413.0, 5719.0, 5442.0, 5498.0, 5590.0, 5656.0, 5420.0, 5396.0, 5671.0, 5516.0, 5547.0, 5548.0, 5304.0, 5647.0, 5438.0, 5388.0, 5630.0, 5501.0, 5389.0, 5470.0, 5288.0, 5668.0, 5488.0, 5602.0, 5596.0, 5310.0, 5561.0, 5723.0, 5443.0, 5626.0, 5526.0, 5392.0, 5530.0, 5536.0, 5660.0, 5631.0, 5418.0, 5278.0, 5582.0, 5298.0, 5505.0, 5439.0, 5464.0, 5384.0, 5352.0, 5276.0, 5350.0, 5375.0, 5482.0, 5258.0, 5545.0, 5264.0, 5356.0, 5517.0, 5295.0, 5340.0, 5426.0, 5531.0, 5452.0, 5711.0,

						5316.0, 5317.0, 5595.0, 5445.0, 5551.0, 5518.0, 5267.0, 5557.0, 5659.0, 5305.0, 5520.0, 5280.0, 5404.0, 5398.0, 5676.0, 5296.0, 5300.0, 5454.0, 5272.0, 5658.0, 5504.0, 5717.0, 5600.0, 5645.0, 5423.0, 5447.0, 5251.0, 5436.0, 5394.0, 5615.0 (number of hits: 9)
4	5550.0	9	1.0	333	1	5555.0, 5547.0, 5452.0, 5512.0, 5384.0, 5619.0, 5260.0, 5404.0, 5479.0, 5486.0, 5329.0, 5473.0, 5607.0, 5501.0, 5602.0, 5669.0, 5387.0, 5368.0, 5572.0, 5299.0, 5308.0, 5448.0, 5708.0, 5482.0, 5592.0, 5596.0, 5566.0, 5403.0, 5271.0, 5693.0, 5348.0, 5577.0, 5700.0, 5251.0, 5298.0, 5585.0, 5509.0, 5601.0, 5683.0, 5563.0, 5720.0, 5556.0, 5519.0, 5296.0, 5468.0, 5429.0, 5641.0, 5711.0, 5491.0, 5521.0, 5467.0, 5456.0, 5268.0, 5535.0, 5665.0, 5275.0, 5663.0, 5343.0, 5604.0, 5561.0, 5560.0, 5674.0, 5525.0, 5264.0, 5564.0, 5530.0, 5699.0, 5668.0, 5497.0, 5453.0, 5287.0, 5724.0, 5545.0, 5259.0, 5255.0, 5417.0, 5277.0, 5537.0, 5280.0, 5550.0, 5631.0, 5714.0, 5393.0, 5369.0, 5508.0, 5371.0, 5534.0, 5579.0, 5578.0, 5414.0, 5290.0, 5600.0, 5489.0, 5318.0, 5505.0, 5269.0, 5399.0, 5507.0, 5643.0, 5405.0 (number of hits: 13)
5	5550.0	9	1.0	333	1	5416.0, 5623.0, 5635.0, 5520.0, 5323.0, 5685.0, 5463.0, 5640.0, 5477.0, 5612.0, 5292.0, 5272.0, 5394.0, 5516.0, 5278.0, 5663.0, 5431.0, 5517.0, 5311.0, 5488.0, 5342.0, 5389.0, 5495.0, 5521.0, 5563.0, 5482.0, 5501.0, 5586.0, 5504.0, 5550.0, 5333.0, 5641.0, 5472.0, 5364.0, 5559.0, 5693.0, 5322.0, 5438.0, 5367.0, 5430.0, 5456.0, 5529.0, 5282.0, 5610.0, 5423.0, 5547.0, 5531.0, 5314.0, 5654.0, 5454.0, 5421.0, 5369.0, 5716.0, 5269.0, 5317.0, 5651.0, 5316.0, 5587.0, 5475.0, 5573.0, 5609.0, 5492.0, 5398.0, 5481.0, 5434.0, 5440.0, 5296.0, 5410.0, 5480.0, 5514.0, 5258.0, 5507.0, 5251.0, 5525.0, 5370.0, 5460.0, 5568.0, 5451.0, 5441.0, 5570.0, 5351.0, 5474.0, 5603.0, 5706.0, 5325.0, 5645.0, 5604.0, 5690.0, 5404.0, 5435.0, 5649.0, 5599.0, 5270.0, 5592.0, 5608.0, 5580.0, 5565.0, 5667.0, 5518.0, 5590.0 (number of hits: 5)
6	5550.0	9	1.0	333	1	5596.0, 5368.0, 5338.0, 5662.0, 5469.0, 5484.0, 5664.0, 5487.0, 5687.0, 5441.0, 5570.0, 5463.0, 5519.0, 5421.0, 5703.0, 5583.0, 5479.0, 5294.0, 5340.0, 5567.0, 5661.0, 5466.0, 5612.0, 5475.0, 5482.0, 5443.0, 5284.0, 5648.0, 5571.0, 5414.0, 5668.0, 5273.0, 5530.0, 5288.0, 5593.0, 5591.0, 5674.0, 5356.0, 5669.0, 5720.0, 5658.0, 5344.0, 5290.0, 5522.0, 5302.0, 5681.0, 5313.0, 5635.0, 5264.0, 5334.0, 5329.0, 5260.0, 5683.0, 5511.0, 5448.0, 5598.0, 5690.0, 5286.0, 5671.0, 5724.0, 5715.0, 5392.0, 5251.0, 5723.0, 5576.0,

						5310.0, 5651.0, 5413.0, 5280.0, 5426.0, 5562.0, 5459.0, 5692.0, 5528.0, 5417.0, 5590.0, 5436.0, 5405.0, 5697.0, 5299.0, 5619.0, 5341.0, 5361.0, 5370.0, 5684.0, 5447.0, 5403.0, 5416.0, 5360.0, 5705.0, 5491.0, 5453.0, 5568.0, 5402.0, 5255.0, 5512.0, 5373.0, 5488.0, 5618.0, 5559.0 (number of hits: 3)
7	5550.0	9	1.0	333	1	5263.0, 5448.0, 5623.0, 5341.0, 5251.0, 5377.0, 5611.0, 5465.0, 5523.0, 5633.0, 5295.0, 5453.0, 5322.0, 5504.0, 5452.0, 5698.0, 5389.0, 5484.0, 5630.0, 5250.0, 5544.0, 5474.0, 5702.0, 5463.0, 5335.0, 5370.0, 5693.0, 5649.0, 5264.0, 5716.0, 5720.0, 5657.0, 5655.0, 5629.0, 5293.0, 5718.0, 5294.0, 5564.0, 5707.0, 5617.0, 5603.0, 5281.0, 5326.0, 5280.0, 5425.0, 5388.0, 5467.0, 5609.0, 5327.0, 5404.0, 5482.0, 5697.0, 5286.0, 5424.0, 5531.0, 5374.0, 5509.0, 5383.0, 5521.0, 5610.0, 5372.0, 5711.0, 5328.0, 5300.0, 5313.0, 5464.0, 5422.0, 5343.0, 5606.0, 5519.0, 5585.0, 5671.0, 5437.0, 5541.0, 5480.0, 5724.0, 5387.0, 5268.0, 5652.0, 5303.0, 5417.0, 5683.0, 5486.0, 5571.0, 5301.0, 5492.0, 5412.0, 5676.0, 5535.0, 5663.0, 5597.0, 5376.0, 5689.0, 5400.0, 5432.0, 5375.0, 5284.0, 5530.0, 5273.0, 5379.0 (number of hits: 4)
8	5550.0	9	1.0	333	1	5468.0, 5343.0, 5310.0, 5332.0, 5372.0, 5315.0, 5277.0, 5643.0, 5256.0, 5284.0, 5496.0, 5636.0, 5667.0, 5389.0, 5704.0, 5556.0, 5314.0, 5646.0, 5451.0, 5485.0, 5417.0, 5503.0, 5381.0, 5658.0, 5432.0, 5440.0, 5359.0, 5631.0, 5491.0, 5394.0, 5533.0, 5540.0, 5653.0, 5420.0, 5303.0, 5253.0, 5518.0, 5411.0, 5712.0, 5336.0, 5572.0, 5407.0, 5370.0, 5583.0, 5376.0, 5349.0, 5562.0, 5633.0, 5483.0, 5638.0, 5439.0, 5353.0, 5364.0, 5546.0, 5507.0, 5329.0, 5401.0, 5360.0, 5350.0, 5405.0, 5514.0, 5470.0, 5618.0, 5378.0, 5509.0, 5324.0, 5255.0, 5680.0, 5612.0, 5625.0, 5285.0, 5701.0, 5606.0, 5431.0, 5279.0, 5458.0, 5515.0, 5575.0, 5402.0, 5560.0, 5587.0, 5723.0, 5586.0, 5693.0, 5374.0, 5434.0, 5512.0, 5403.0, 5567.0, 5574.0, 5522.0, 5523.0, 5460.0, 5368.0, 5259.0, 5291.0, 5472.0, 5716.0, 5272.0, 5384.0 (number of hits: 7)
9	5550.0	9	1.0	333	1	5305.0, 5581.0, 5463.0, 5348.0, 5621.0, 5453.0, 5380.0, 5701.0, 5381.0, 5290.0, 5350.0, 5425.0, 5566.0, 5676.0, 5568.0, 5638.0, 5442.0, 5302.0, 5519.0, 5706.0, 5371.0, 5457.0, 5502.0, 5434.0, 5709.0, 5411.0, 5504.0, 5702.0, 5467.0, 5660.0, 5686.0, 5266.0, 5717.0, 5679.0, 5335.0, 5465.0, 5678.0, 5325.0, 5289.0, 5654.0, 5631.0, 5481.0, 5523.0, 5640.0, 5268.0, 5288.0, 5447.0, 5370.0, 5522.0, 5577.0, 5390.0, 5596.0, 5388.0, 5515.0, 5356.0, 5561.0, 5351.0, 5603.0, 5545.0, 5449.0,

						5441.0, 5650.0, 5270.0, 5296.0, 5610.0, 5362.0, 5328.0, 5400.0, 5403.0, 5642.0, 5529.0, 5376.0, 5594.0, 5597.0, 5669.0, 5323.0, 5578.0, 5517.0, 5319.0, 5680.0, 5414.0, 5406.0, 5677.0, 5716.0, 5444.0, 5421.0, 5643.0, 5408.0, 5585.0, 5579.0, 5322.0, 5697.0, 5600.0, 5466.0, 5530.0, 5598.0, 5535.0, 5484.0, 5265.0, 5703.0 (number of hits: 4)
10	5550.0	9	1.0	333	1	5285.0, 5556.0, 5568.0, 5516.0, 5515.0, 5649.0, 5408.0, 5684.0, 5482.0, 5697.0, 5563.0, 5448.0, 5495.0, 5451.0, 5329.0, 5681.0, 5604.0, 5712.0, 5669.0, 5658.0, 5574.0, 5267.0, 5546.0, 5674.0, 5265.0, 5259.0, 5382.0, 5632.0, 5309.0, 5319.0, 5577.0, 5711.0, 5545.0, 5314.0, 5636.0, 5431.0, 5418.0, 5432.0, 5617.0, 5506.0, 5443.0, 5444.0, 5557.0, 5720.0, 5374.0, 5291.0, 5474.0, 5292.0, 5581.0, 5659.0, 5665.0, 5560.0, 5441.0, 5664.0, 5399.0, 5573.0, 5323.0, 5311.0, 5355.0, 5442.0, 5484.0, 5627.0, 5367.0, 5570.0, 5327.0, 5621.0, 5436.0, 5251.0, 5619.0, 5615.0, 5575.0, 5706.0, 5417.0, 5414.0, 5533.0, 5499.0, 5280.0, 5348.0, 5384.0, 5653.0, 5606.0, 5423.0, 5411.0, 5718.0, 5547.0, 5580.0, 5587.0, 5306.0, 5395.0, 5481.0, 5690.0, 5500.0, 5657.0, 5644.0, 5527.0, 5455.0, 5502.0, 5433.0, 5682.0, 5396.0 (number of hits: 8)
11	5550.0	9	1.0	333	1	5505.0, 5513.0, 5662.0, 5421.0, 5258.0, 5500.0, 5680.0, 5565.0, 5312.0, 5492.0, 5434.0, 5482.0, 5589.0, 5603.0, 5693.0, 5616.0, 5326.0, 5563.0, 5379.0, 5393.0, 5377.0, 5656.0, 5549.0, 5542.0, 5291.0, 5620.0, 5433.0, 5387.0, 5720.0, 5442.0, 5544.0, 5707.0, 5669.0, 5526.0, 5625.0, 5470.0, 5359.0, 5289.0, 5717.0, 5484.0, 5691.0, 5667.0, 5264.0, 5380.0, 5523.0, 5305.0, 5453.0, 5278.0, 5459.0, 5255.0, 5604.0, 5527.0, 5425.0, 5408.0, 5456.0, 5429.0, 5575.0, 5608.0, 5598.0, 5348.0, 5592.0, 5342.0, 5317.0, 5639.0, 5388.0, 5552.0, 5423.0, 5564.0, 5723.0, 5384.0, 5654.0, 5702.0, 5502.0, 5574.0, 5554.0, 5536.0, 5507.0, 5594.0, 5452.0, 5600.0, 5561.0, 5643.0, 5321.0, 5424.0, 5709.0, 5435.0, 5645.0, 5682.0, 5686.0, 5445.0, 5354.0, 5583.0, 5577.0, 5302.0, 5605.0, 5548.0, 5347.0, 5325.0, 5271.0, 5373.0 (number of hits: 11)
12	5550.0	9	1.0	333	1	5683.0, 5437.0, 5468.0, 5454.0, 5390.0, 5307.0, 5576.0, 5266.0, 5396.0, 5288.0, 5687.0, 5312.0, 5405.0, 5321.0, 5384.0, 5565.0, 5360.0, 5551.0, 5479.0, 5368.0, 5662.0, 5585.0, 5347.0, 5371.0, 5466.0, 5680.0, 5552.0, 5327.0, 5391.0, 5609.0, 5369.0, 5675.0, 5449.0, 5486.0, 5586.0, 5691.0, 5508.0, 5495.0, 5546.0, 5716.0, 5591.0, 5690.0, 5666.0, 5272.0, 5607.0, 5477.0, 5507.0, 5280.0, 5490.0, 5367.0, 5259.0, 5669.0, 5537.0, 5553.0, 5684.0,

						5264.0, 5506.0, 5640.0, 5569.0, 5295.0, 5278.0, 5320.0, 5453.0, 5594.0, 5528.0, 5438.0, 5632.0, 5315.0, 5556.0, 5343.0, 5673.0, 5331.0, 5441.0, 5414.0, 5471.0, 5460.0, 5475.0, 5621.0, 5329.0, 5493.0, 5610.0, 5335.0, 5497.0, 5672.0, 5605.0, 5645.0, 5655.0, 5374.0, 5600.0, 5400.0, 5338.0, 5611.0, 5433.0, 5461.0, 5721.0, 5332.0, 5712.0, 5614.0, 5578.0, 5545.0 (number of hits: 8)
13	5550.0	9	1.0	333	1	5574.0, 5472.0, 5277.0, 5365.0, 5479.0, 5432.0, 5642.0, 5331.0, 5660.0, 5346.0, 5715.0, 5251.0, 5688.0, 5261.0, 5577.0, 5319.0, 5555.0, 5613.0, 5422.0, 5566.0, 5615.0, 5290.0, 5284.0, 5684.0, 5370.0, 5503.0, 5485.0, 5677.0, 5327.0, 5387.0, 5379.0, 5575.0, 5307.0, 5447.0, 5662.0, 5646.0, 5436.0, 5547.0, 5703.0, 5609.0, 5484.0, 5338.0, 5467.0, 5391.0, 5371.0, 5382.0, 5351.0, 5695.0, 5487.0, 5394.0, 5676.0, 5358.0, 5659.0, 5463.0, 5461.0, 5543.0, 5444.0, 5409.0, 5364.0, 5593.0, 5545.0, 5699.0, 5689.0, 5419.0, 5450.0, 5416.0, 5525.0, 5564.0, 5451.0, 5691.0, 5601.0, 5654.0, 5685.0, 5431.0, 5291.0, 5438.0, 5602.0, 5524.0, 5366.0, 5639.0, 5470.0, 5352.0, 5323.0, 5499.0, 5580.0, 5449.0, 5696.0, 5317.0, 5594.0, 5597.0, 5268.0, 5407.0, 5600.0, 5471.0, 5271.0, 5625.0, 5286.0, 5611.0, 5262.0, 5673.0 (number of hits: 6)
14	5550.0	9	1.0	333	1	5316.0, 5312.0, 5607.0, 5683.0, 5724.0, 5356.0, 5616.0, 5663.0, 5535.0, 5563.0, 5277.0, 5274.0, 5266.0, 5405.0, 5336.0, 5301.0, 5651.0, 5722.0, 5448.0, 5710.0, 5666.0, 5283.0, 5494.0, 5638.0, 5256.0, 5532.0, 5599.0, 5365.0, 5475.0, 5354.0, 5361.0, 5407.0, 5395.0, 5636.0, 5582.0, 5314.0, 5606.0, 5541.0, 5257.0, 5337.0, 5498.0, 5272.0, 5520.0, 5648.0, 5580.0, 5617.0, 5260.0, 5496.0, 5464.0, 5548.0, 5562.0, 5374.0, 5691.0, 5261.0, 5650.0, 5394.0, 5382.0, 5349.0, 5568.0, 5363.0, 5514.0, 5527.0, 5645.0, 5575.0, 5591.0, 5673.0, 5655.0, 5712.0, 5379.0, 5297.0, 5442.0, 5372.0, 5560.0, 5608.0, 5309.0, 5366.0, 5387.0, 5631.0, 5626.0, 5674.0, 5368.0, 5696.0, 5676.0, 5251.0, 5682.0, 5259.0, 5367.0, 5353.0, 5657.0, 5612.0, 5460.0, 5289.0, 5474.0, 5328.0, 5534.0, 5457.0, 5315.0, 5265.0, 5384.0, 5503.0 (number of hits: 8)
15	5550.0	9	1.0	333	1	5581.0, 5552.0, 5411.0, 5534.0, 5651.0, 5584.0, 5458.0, 5347.0, 5382.0, 5488.0, 5494.0, 5321.0, 5314.0, 5539.0, 5697.0, 5580.0, 5407.0, 5622.0, 5316.0, 5700.0, 5517.0, 5463.0, 5267.0, 5499.0, 5713.0, 5706.0, 5712.0, 5270.0, 5566.0, 5467.0, 5606.0, 5325.0, 5669.0, 5422.0, 5605.0, 5429.0, 5408.0, 5577.0, 5567.0, 5721.0, 5452.0, 5259.0, 5689.0, 5450.0, 5318.0, 5541.0, 5349.0, 5495.0, 5501.0, 5523.0,

						5616.0, 5324.0, 5486.0, 5600.0, 5288.0, 5647.0, 5291.0, 5663.0, 5456.0, 5276.0, 5500.0, 5610.0, 5353.0, 5594.0, 5604.0, 5656.0, 5365.0, 5285.0, 5376.0, 5514.0, 5366.0, 5479.0, 5609.0, 5690.0, 5688.0, 5482.0, 5667.0, 5649.0, 5287.0, 5358.0, 5565.0, 5619.0, 5681.0, 5698.0, 5310.0, 5337.0, 5634.0, 5660.0, 5578.0, 5272.0, 5643.0, 5426.0, 5417.0, 5644.0, 5664.0, 5630.0, 5268.0, 5652.0, 5396.0, 5410.0 (number of hits: 7)
16	5550.0	9	1.0	333	1	5315.0, 5703.0, 5317.0, 5381.0, 5351.0, 5382.0, 5691.0, 5490.0, 5498.0, 5448.0, 5685.0, 5677.0, 5619.0, 5469.0, 5520.0, 5255.0, 5284.0, 5287.0, 5647.0, 5470.0, 5429.0, 5473.0, 5532.0, 5476.0, 5286.0, 5586.0, 5311.0, 5368.0, 5308.0, 5283.0, 5406.0, 5706.0, 5426.0, 5481.0, 5400.0, 5407.0, 5623.0, 5530.0, 5450.0, 5396.0, 5523.0, 5612.0, 5699.0, 5322.0, 5437.0, 5521.0, 5325.0, 5663.0, 5482.0, 5257.0, 5280.0, 5545.0, 5577.0, 5296.0, 5624.0, 5694.0, 5390.0, 5704.0, 5483.0, 5471.0, 5651.0, 5424.0, 5416.0, 5562.0, 5363.0, 5354.0, 5327.0, 5447.0, 5607.0, 5584.0, 5441.0, 5543.0, 5323.0, 5350.0, 5319.0, 5347.0, 5439.0, 5593.0, 5310.0, 5335.0, 5626.0, 5410.0, 5641.0, 5495.0, 5292.0, 5700.0, 5360.0, 5459.0, 5361.0, 5544.0, 5714.0, 5681.0, 5507.0, 5436.0, 5580.0, 5440.0, 5367.0, 5491.0, 5504.0, 5627.0 (number of hits: 5)
17	5550.0	9	1.0	333	1	5378.0, 5445.0, 5553.0, 5416.0, 5532.0, 5514.0, 5440.0, 5533.0, 5572.0, 5719.0, 5600.0, 5410.0, 5446.0, 5482.0, 5393.0, 5429.0, 5385.0, 5696.0, 5671.0, 5556.0, 5373.0, 5316.0, 5539.0, 5677.0, 5384.0, 5529.0, 5700.0, 5485.0, 5313.0, 5652.0, 5453.0, 5676.0, 5557.0, 5527.0, 5388.0, 5489.0, 5601.0, 5318.0, 5294.0, 5435.0, 5250.0, 5331.0, 5695.0, 5425.0, 5387.0, 5480.0, 5578.0, 5581.0, 5519.0, 5713.0, 5536.0, 5396.0, 5279.0, 5363.0, 5484.0, 5554.0, 5487.0, 5662.0, 5598.0, 5448.0, 5343.0, 5261.0, 5339.0, 5573.0, 5515.0, 5611.0, 5466.0, 5330.0, 5278.0, 5353.0, 5673.0, 5659.0, 5479.0, 5597.0, 5409.0, 5341.0, 5281.0, 5498.0, 5471.0, 5308.0, 5311.0, 5442.0, 5426.0, 5349.0, 5697.0, 5284.0, 5394.0, 5417.0, 5543.0, 5640.0, 5643.0, 5374.0, 5624.0, 5620.0, 5717.0, 5325.0, 5698.0, 5609.0, 5263.0, 5262.0 (number of hits: 9)
18	5550.0	9	1.0	333	1	5393.0, 5604.0, 5658.0, 5427.0, 5263.0, 5636.0, 5505.0, 5434.0, 5398.0, 5594.0, 5279.0, 5534.0, 5589.0, 5302.0, 5682.0, 5435.0, 5309.0, 5407.0, 5553.0, 5714.0, 5419.0, 5293.0, 5557.0, 5630.0, 5702.0, 5693.0, 5478.0, 5689.0, 5706.0, 5681.0, 5372.0, 5564.0, 5551.0, 5312.0, 5305.0, 5351.0, 5383.0, 5439.0, 5390.0, 5299.0, 5469.0, 5382.0, 5613.0, 5458.0, 5510.0,

						5462.0, 5481.0, 5292.0, 5426.0, 5294.0, 5667.0, 5442.0, 5471.0, 5673.0, 5708.0, 5465.0, 5537.0, 5273.0, 5449.0, 5524.0, 5637.0, 5369.0, 5380.0, 5516.0, 5300.0, 5531.0, 5709.0, 5677.0, 5313.0, 5411.0, 5593.0, 5252.0, 5501.0, 5251.0, 5331.0, 5274.0, 5552.0, 5368.0, 5474.0, 5269.0, 5288.0, 5365.0, 5373.0, 5483.0, 5507.0, 5286.0, 5391.0, 5258.0, 5536.0, 5343.0, 5410.0, 5525.0, 5264.0, 5616.0, 5530.0, 5631.0, 5571.0, 5666.0, 5326.0, 5611.0 (number of hits: 8)
19	5550.0	9	1.0	333	1	5308.0, 5636.0, 5605.0, 5387.0, 5591.0, 5497.0, 5641.0, 5700.0, 5294.0, 5287.0, 5364.0, 5529.0, 5610.0, 5266.0, 5457.0, 5349.0, 5495.0, 5334.0, 5273.0, 5535.0, 5621.0, 5436.0, 5505.0, 5488.0, 5293.0, 5500.0, 5397.0, 5486.0, 5696.0, 5305.0, 5415.0, 5623.0, 5721.0, 5442.0, 5533.0, 5471.0, 5405.0, 5538.0, 5374.0, 5306.0, 5477.0, 5327.0, 5265.0, 5659.0, 5699.0, 5352.0, 5580.0, 5557.0, 5455.0, 5437.0, 5330.0, 5283.0, 5586.0, 5548.0, 5381.0, 5684.0, 5335.0, 5427.0, 5523.0, 5462.0, 5628.0, 5390.0, 5496.0, 5295.0, 5447.0, 5309.0, 5527.0, 5671.0, 5468.0, 5459.0, 5502.0, 5478.0, 5561.0, 5355.0, 5444.0, 5646.0, 5577.0, 5373.0, 5674.0, 5579.0, 5367.0, 5281.0, 5297.0, 5589.0, 5668.0, 5407.0, 5592.0, 5558.0, 5608.0, 5410.0, 5713.0, 5717.0, 5630.0, 5545.0, 5404.0, 5508.0, 5680.0, 5666.0, 5525.0, 5416.0 (number of hits: 8)
20	5550.0	9	1.0	333	1	5591.0, 5697.0, 5722.0, 5394.0, 5558.0, 5600.0, 5368.0, 5536.0, 5367.0, 5318.0, 5708.0, 5329.0, 5360.0, 5550.0, 5454.0, 5664.0, 5606.0, 5696.0, 5386.0, 5490.0, 5590.0, 5511.0, 5361.0, 5472.0, 5532.0, 5514.0, 5685.0, 5580.0, 5298.0, 5582.0, 5630.0, 5402.0, 5526.0, 5317.0, 5275.0, 5377.0, 5586.0, 5464.0, 5493.0, 5469.0, 5341.0, 5599.0, 5629.0, 5676.0, 5486.0, 5425.0, 5379.0, 5631.0, 5294.0, 5381.0, 5711.0, 5313.0, 5603.0, 5430.0, 5343.0, 5539.0, 5371.0, 5721.0, 5653.0, 5339.0, 5522.0, 5446.0, 5577.0, 5462.0, 5655.0, 5373.0, 5283.0, 5355.0, 5621.0, 5719.0, 5369.0, 5285.0, 5592.0, 5302.0, 5535.0, 5672.0, 5457.0, 5517.0, 5604.0, 5717.0, 5262.0, 5531.0, 5693.0, 5345.0, 5482.0, 5256.0, 5380.0, 5720.0, 5310.0, 5588.0, 5295.0, 5701.0, 5616.0, 5549.0, 5362.0, 5450.0, 5602.0, 5449.0, 5418.0, 5438.0 (number of hits: 7)
21	5550.0	9	1.0	333	1	5383.0, 5382.0, 5387.0, 5479.0, 5576.0, 5311.0, 5358.0, 5338.0, 5366.0, 5306.0, 5252.0, 5678.0, 5300.0, 5414.0, 5416.0, 5642.0, 5587.0, 5614.0, 5548.0, 5522.0, 5489.0, 5675.0, 5394.0, 5512.0, 5700.0, 5359.0, 5624.0, 5600.0, 5699.0, 5269.0, 5278.0, 5335.0, 5620.0, 5520.0, 5329.0, 5441.0, 5455.0, 5565.0, 5539.0, 5506.0,

						5307.0, 5288.0, 5676.0, 5698.0, 5688.0, 5287.0, 5469.0, 5681.0, 5662.0, 5492.0, 5399.0, 5710.0, 5554.0, 5470.0, 5651.0, 5547.0, 5562.0, 5432.0, 5611.0, 5401.0, 5395.0, 5626.0, 5667.0, 5606.0, 5579.0, 5598.0, 5553.0, 5368.0, 5617.0, 5319.0, 5701.0, 5603.0, 5635.0, 5474.0, 5475.0, 5691.0, 5655.0, 5294.0, 5424.0, 5568.0, 5558.0, 5270.0, 5485.0, 5322.0, 5256.0, 5521.0, 5526.0, 5674.0, 5367.0, 5377.0, 5586.0, 5645.0, 5704.0, 5585.0, 5298.0, 5575.0, 5544.0, 5570.0, 5465.0, 5354.0 (number of hits: 9)
22	5550.0	9	1.0	333	1	5687.0, 5714.0, 5603.0, 5316.0, 5307.0, 5597.0, 5502.0, 5370.0, 5267.0, 5695.0, 5497.0, 5578.0, 5424.0, 5436.0, 5459.0, 5469.0, 5581.0, 5458.0, 5305.0, 5511.0, 5649.0, 5466.0, 5611.0, 5707.0, 5486.0, 5550.0, 5319.0, 5475.0, 5329.0, 5539.0, 5308.0, 5504.0, 5722.0, 5635.0, 5577.0, 5524.0, 5477.0, 5350.0, 5251.0, 5280.0, 5556.0, 5290.0, 5292.0, 5297.0, 5462.0, 5390.0, 5703.0, 5658.0, 5270.0, 5543.0, 5266.0, 5255.0, 5256.0, 5445.0, 5554.0, 5254.0, 5569.0, 5404.0, 5625.0, 5708.0, 5406.0, 5655.0, 5264.0, 5392.0, 5478.0, 5457.0, 5606.0, 5480.0, 5300.0, 5685.0, 5652.0, 5347.0, 5454.0, 5546.0, 5583.0, 5534.0, 5650.0, 5473.0, 5568.0, 5600.0, 5460.0, 5724.0, 5682.0, 5327.0, 5683.0, 5441.0, 5449.0, 5525.0, 5624.0, 5435.0, 5548.0, 5453.0, 5363.0, 5723.0, 5452.0, 5627.0, 5619.0, 5349.0, 5261.0, 5591.0 (number of hits: 8)
23	5550.0	9	1.0	333	1	5443.0, 5333.0, 5679.0, 5566.0, 5680.0, 5347.0, 5489.0, 5414.0, 5575.0, 5371.0, 5591.0, 5288.0, 5608.0, 5252.0, 5305.0, 5637.0, 5536.0, 5495.0, 5674.0, 5445.0, 5350.0, 5360.0, 5343.0, 5552.0, 5601.0, 5389.0, 5666.0, 5690.0, 5721.0, 5283.0, 5426.0, 5257.0, 5375.0, 5295.0, 5539.0, 5470.0, 5673.0, 5364.0, 5687.0, 5579.0, 5285.0, 5686.0, 5580.0, 5626.0, 5678.0, 5643.0, 5418.0, 5501.0, 5324.0, 5557.0, 5403.0, 5593.0, 5473.0, 5543.0, 5400.0, 5341.0, 5635.0, 5481.0, 5297.0, 5645.0, 5553.0, 5710.0, 5361.0, 5344.0, 5354.0, 5331.0, 5516.0, 5506.0, 5387.0, 5688.0, 5520.0, 5531.0, 5617.0, 5439.0, 5538.0, 5382.0, 5524.0, 5509.0, 5409.0, 5428.0, 5264.0, 5623.0, 5296.0, 5381.0, 5433.0, 5701.0, 5279.0, 5504.0, 5622.0, 5326.0, 5461.0, 5551.0, 5684.0, 5494.0, 5582.0, 5513.0, 5534.0, 5498.0, 5271.0, 5330.0 (number of hits: 10)
24	5550.0	9	1.0	333	1	5252.0, 5417.0, 5516.0, 5299.0, 5314.0, 5666.0, 5510.0, 5335.0, 5337.0, 5523.0, 5579.0, 5535.0, 5424.0, 5601.0, 5619.0, 5670.0, 5362.0, 5370.0, 5429.0, 5303.0, 5411.0, 5722.0, 5679.0, 5430.0, 5313.0, 5667.0, 5707.0, 5632.0, 5279.0, 5352.0, 5518.0, 5389.0, 5599.0, 5613.0, 5288.0,

						5255.0, 5498.0, 5610.0, 5653.0, 5358.0, 5681.0, 5682.0, 5355.0, 5575.0, 5317.0, 5571.0, 5379.0, 5593.0, 5570.0, 5494.0, 5562.0, 5442.0, 5547.0, 5444.0, 5426.0, 5404.0, 5712.0, 5435.0, 5565.0, 5664.0, 5714.0, 5420.0, 5410.0, 5530.0, 5673.0, 5630.0, 5342.0, 5445.0, 5506.0, 5409.0, 5685.0, 5526.0, 5287.0, 5374.0, 5361.0, 5708.0, 5628.0, 5709.0, 5497.0, 5603.0, 5432.0, 5336.0, 5519.0, 5678.0, 5364.0, 5469.0, 5397.0, 5250.0, 5490.0, 5600.0, 5636.0, 5422.0, 5702.0, 5470.0, 5375.0, 5699.0, 5320.0, 5663.0, 5597.0, 5495.0 (number of hits: 4)
25	5550.0	9	1.0	333	1	5264.0, 5454.0, 5577.0, 5386.0, 5600.0, 5445.0, 5361.0, 5609.0, 5522.0, 5336.0, 5645.0, 5575.0, 5686.0, 5582.0, 5504.0, 5561.0, 5681.0, 5563.0, 5592.0, 5473.0, 5590.0, 5698.0, 5492.0, 5268.0, 5578.0, 5306.0, 5544.0, 5663.0, 5615.0, 5261.0, 5283.0, 5483.0, 5529.0, 5627.0, 5320.0, 5585.0, 5565.0, 5516.0, 5546.0, 5310.0, 5517.0, 5270.0, 5558.0, 5443.0, 5397.0, 5352.0, 5580.0, 5434.0, 5570.0, 5363.0, 5588.0, 5274.0, 5302.0, 5513.0, 5481.0, 5508.0, 5548.0, 5366.0, 5342.0, 5626.0, 5599.0, 5334.0, 5384.0, 5534.0, 5416.0, 5267.0, 5717.0, 5503.0, 5318.0, 5441.0, 5581.0, 5440.0, 5455.0, 5714.0, 5640.0, 5537.0, 5535.0, 5396.0, 5689.0, 5723.0, 5367.0, 5500.0, 5622.0, 5449.0, 5646.0, 5708.0, 5409.0, 5405.0, 5662.0, 5532.0, 5605.0, 5316.0, 5610.0, 5304.0, 5639.0, 5422.0, 5512.0, 5417.0, 5293.0, 5670.0 (number of hits: 11)
26	5550.0	9	1.0	333	1	5519.0, 5581.0, 5621.0, 5664.0, 5269.0, 5460.0, 5635.0, 5442.0, 5470.0, 5252.0, 5373.0, 5598.0, 5471.0, 5382.0, 5283.0, 5254.0, 5329.0, 5594.0, 5486.0, 5691.0, 5494.0, 5267.0, 5575.0, 5256.0, 5360.0, 5523.0, 5311.0, 5429.0, 5510.0, 5572.0, 5450.0, 5599.0, 5405.0, 5461.0, 5473.0, 5640.0, 5334.0, 5272.0, 5408.0, 5518.0, 5536.0, 5406.0, 5692.0, 5459.0, 5637.0, 5299.0, 5339.0, 5660.0, 5666.0, 5356.0, 5363.0, 5352.0, 5298.0, 5661.0, 5293.0, 5489.0, 5404.0, 5465.0, 5667.0, 5392.0, 5472.0, 5332.0, 5432.0, 5416.0, 5434.0, 5354.0, 5501.0, 5474.0, 5650.0, 5700.0, 5263.0, 5477.0, 5533.0, 5612.0, 5654.0, 5721.0, 5290.0, 5317.0, 5696.0, 5443.0, 5340.0, 5482.0, 5708.0, 5665.0, 5564.0, 5381.0, 5573.0, 5380.0, 5313.0, 5391.0, 5672.0, 5430.0, 5563.0, 5565.0, 5590.0, 5294.0, 5425.0, 5353.0, 5376.0, 5707.0 (number of hits: 5)
27	5550.0	9	1.0	333	1	5337.0, 5468.0, 5587.0, 5625.0, 5542.0, 5651.0, 5444.0, 5693.0, 5344.0, 5664.0, 5471.0, 5649.0, 5425.0, 5353.0, 5576.0, 5486.0, 5499.0, 5300.0, 5714.0, 5311.0, 5666.0, 5464.0, 5521.0, 5543.0, 5365.0, 5269.0, 5642.0, 5310.0, 5612.0, 5457.0,

						5602.0, 5438.0, 5500.0, 5273.0, 5681.0, 5519.0, 5455.0, 5560.0, 5255.0, 5518.0, 5380.0, 5501.0, 5604.0, 5618.0, 5325.0, 5492.0, 5584.0, 5646.0, 5473.0, 5648.0, 5339.0, 5277.0, 5545.0, 5677.0, 5431.0, 5278.0, 5368.0, 5416.0, 5582.0, 5312.0, 5424.0, 5590.0, 5421.0, 5447.0, 5254.0, 5586.0, 5489.0, 5643.0, 5655.0, 5408.0, 5398.0, 5291.0, 5494.0, 5532.0, 5711.0, 5609.0, 5319.0, 5482.0, 5685.0, 5539.0, 5434.0, 5578.0, 5493.0, 5623.0, 5513.0, 5335.0, 5617.0, 5628.0, 5552.0, 5561.0, 5579.0, 5320.0, 5593.0, 5382.0, 5524.0, 5446.0, 5409.0, 5439.0, 5279.0, 5338.0 (number of hits: 8)
28	5550.0	9	1.0	333	1	5483.0, 5698.0, 5498.0, 5419.0, 5620.0, 5519.0, 5689.0, 5568.0, 5654.0, 5662.0, 5399.0, 5251.0, 5663.0, 5473.0, 5450.0, 5496.0, 5421.0, 5319.0, 5652.0, 5676.0, 5411.0, 5287.0, 5639.0, 5351.0, 5477.0, 5312.0, 5642.0, 5363.0, 5321.0, 5482.0, 5678.0, 5301.0, 5632.0, 5532.0, 5630.0, 5686.0, 5387.0, 5339.0, 5324.0, 5412.0, 5347.0, 5478.0, 5397.0, 5672.0, 5551.0, 5571.0, 5410.0, 5430.0, 5540.0, 5406.0, 5667.0, 5297.0, 5308.0, 5279.0, 5338.0, 5307.0, 5517.0, 5521.0, 5449.0, 5605.0, 5378.0, 5535.0, 5544.0, 5577.0, 5601.0, 5574.0, 5271.0, 5603.0, 5311.0, 5711.0, 5638.0, 5541.0, 5432.0, 5489.0, 5353.0, 5259.0, 5583.0, 5295.0, 5556.0, 5607.0, 5591.0, 5350.0, 5618.0, 5581.0, 5527.0, 5317.0, 5648.0, 5715.0, 5257.0, 5712.0, 5697.0, 5365.0, 5260.0, 5704.0, 5588.0, 5370.0, 5495.0, 5467.0, 5595.0, 5468.0 (number of hits: 7)
29	5550.0	9	1.0	333	1	5312.0, 5601.0, 5406.0, 5673.0, 5700.0, 5360.0, 5252.0, 5496.0, 5643.0, 5285.0, 5488.0, 5647.0, 5570.0, 5628.0, 5370.0, 5447.0, 5410.0, 5514.0, 5431.0, 5505.0, 5275.0, 5702.0, 5612.0, 5352.0, 5688.0, 5428.0, 5679.0, 5611.0, 5579.0, 5604.0, 5440.0, 5494.0, 5383.0, 5263.0, 5532.0, 5435.0, 5468.0, 5549.0, 5597.0, 5658.0, 5387.0, 5394.0, 5281.0, 5334.0, 5546.0, 5425.0, 5303.0, 5316.0, 5696.0, 5527.0, 5657.0, 5528.0, 5550.0, 5507.0, 5668.0, 5418.0, 5626.0, 5520.0, 5277.0, 5589.0, 5645.0, 5331.0, 5385.0, 5703.0, 5459.0, 5547.0, 5662.0, 5582.0, 5595.0, 5455.0, 5561.0, 5551.0, 5269.0, 5363.0, 5325.0, 5313.0, 5471.0, 5530.0, 5322.0, 5508.0, 5636.0, 5253.0, 5412.0, 5656.0, 5461.0, 5441.0, 5257.0, 5495.0, 5491.0, 5646.0, 5515.0, 5483.0, 5512.0, 5525.0, 5448.0, 5666.0, 5710.0, 5513.0, 5463.0, 5433.0 (number of hits: 7)
30	5550.0	9	1.0	333	1	5512.0, 5276.0, 5532.0, 5337.0, 5439.0, 5691.0, 5555.0, 5507.0, 5627.0, 5269.0, 5489.0, 5624.0, 5667.0, 5666.0, 5441.0, 5353.0, 5406.0, 5593.0, 5584.0, 5588.0, 5626.0, 5674.0, 5620.0, 5533.0, 5494.0,

						5605.0, 5446.0, 5368.0, 5649.0, 5351.0, 5561.0, 5715.0, 5361.0, 5587.0, 5262.0, 5294.0, 5536.0, 5491.0, 5653.0, 5596.0, 5312.0, 5433.0, 5303.0, 5280.0, 5707.0, 5564.0, 5284.0, 5534.0, 5344.0, 5444.0, 5266.0, 5258.0, 5427.0, 5259.0, 5324.0, 5253.0, 5520.0, 5306.0, 5618.0, 5552.0, 5524.0, 5630.0, 5474.0, 5603.0, 5403.0, 5490.0, 5379.0, 5617.0, 5472.0, 5506.0, 5364.0, 5416.0, 5636.0, 5393.0, 5292.0, 5643.0, 5535.0, 5426.0, 5413.0, 5340.0, 5575.0, 5677.0, 5595.0, 5419.0, 5664.0, 5357.0, 5397.0, 5372.0, 5342.0, 5277.0, 5485.0, 5336.0, 5274.0, 5566.0, 5540.0, 5309.0, 5541.0, 5278.0, 5332.0, 5322.0 (number of hits: 12)

Client Mode

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	73.3 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	80%	Pass
Type 5	30	86.7 %	80%	Pass
Type 6	30	96.7 %	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	99	1.0	538	1
2	92	1.0	578	1
3	89	1.0	598	1
4	70	1.0	758	1
5	58	1.0	918	1
6	95	1.0	558	1
7	61	1.0	878	1
8	74	1.0	718	1
9	65	1.0	818	1
10	63	1.0	838	1
11	67	1.0	798	1
12	59	1.0	898	1
13	76	1.0	698	1
14	62	1.0	858	1
15	57	1.0	938	1
16	32	1.0	1657	1
17	92	1.0	577	1
18	29	1.0	1873	1
19	24	1.0	2251	1
20	21	1.0	2633	1
21	26	1.0	2037	1
22	18	1.0	3019	1
23	30	1.0	1797	1
24	24	1.0	2236	1
25	25	1.0	2118	1
26	63	1.0	844	1
27	23	1.0	2303	1
28	22	1.0	2453	1
29	26	1.0	2090	1
30	21	1.0	2554	1
Detection Percentage: 100 % (>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	2.5	219	1
2	23	1.8	225	1
3	27	1.8	226	1
4	27	3.2	223	1
5	27	1.9	162	1
6	29	4.9	181	0
7	29	1.8	202	1
8	29	4.2	213	0
9	24	3.5	182	1
10	28	4.7	181	0
11	28	3.1	154	1
12	27	2.4	173	1
13	24	1.5	182	1
14	29	4.8	162	0
15	28	2.8	183	0
16	23	1.4	189	1
17	23	2.4	178	1
18	27	2.3	158	1
19	24	1.3	219	0
20	28	1.3	222	1
21	29	2.9	176	1
22	25	4.7	216	1
23	25	2.0	207	1
24	25	5.0	222	1
25	28	2.3	177	1
26	26	1.9	229	1
27	24	3.0	210	0
28	27	4.0	186	1
29	24	4.8	179	0
30	24	3.5	230	1
Detection Percentage: 73.3% (>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	18	6.5	271	1
2	18	6.8	390	1
3	18	7.4	281	1
4	16	9.1	382	0
5	18	6.6	457	1
6	16	7.8	384	1
7	18	9.2	306	1
8	18	7.4	415	1
9	18	9.2	238	1
10	16	6.9	410	0
11	18	9.7	423	1
12	17	8.0	450	0
13	16	6.0	276	0
14	18	8.7	493	1
15	18	8.7	241	1
16	18	9.4	358	0
17	18	7.6	201	1
18	17	7.0	480	0
19	16	6.6	346	1
20	16	7.2	272	0
21	17	7.9	405	0
22	16	7.1	418	1
23	18	9.3	325	1
24	18	7.1	234	1
25	16	7.5	276	1
26	17	6.2	453	1
27	18	6.0	432	1
28	18	6.7	217	1
29	18	6.3	439	1
30	16	9.6	480	1
Detection Percentage: 73.3 % (>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	13	11.6	304	1
2	15	16.3	346	1
3	14	16.3	293	1
4	13	15.3	369	1
5	12	19.2	491	1
6	16	13.4	300	1
7	13	15.3	360	1
8	12	17.4	305	1
9	14	15.7	296	1
10	13	12.1	254	1
11	14	16.0	336	1
12	14	16.6	249	1
13	14	16.5	277	1
14	13	11.1	288	1
15	13	15.5	334	1
16	13	17.0	317	1
17	15	13.1	411	1
18	13	15.1	205	1
19	14	15.4	394	1
20	13	13.1	211	1
21	13	14.4	441	1
22	12	18.7	475	0
23	15	13.0	274	1
24	15	17.0	220	1
25	14	11.6	437	1
26	16	11.7	327	1
27	13	18.4	427	1
28	12	15.2	366	1
29	12	16.8	428	1
30	14	18.0	354	1
Detection Percentage: 96.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500	1
2	5500	1
3	5500	1
4	5500	1
5	5500	1
6	5500	1
7	5500	1
8	5500	0
9	5500	1
10	5500	1
11	5498.3	0
12	5498.3	1
13	5496.3	1
14	5497.1	1
15	5494.7	1
16	5494.3	1
17	5497.1	1
18	5496.3	1
19	5497.1	1
20	5494.7	1
21	5502.5	1
22	5506.1	1
23	5503.7	0
24	5505.7	1
25	5503.3	1
26	5505.7	1
27	5502.5	1
28	5502.9	0
29	5502.9	1
30	5505.7	1
Detection Percentage: 86.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	93.5			0.540015	1
1	3	6	68.1	1134	1700	1.700897	
2	2	6	86.7	1799		1.912700	
3	1	6	97.0			3.148855	
4	2	6	80.1	1809		3.698083	
5	1	6	93.4			5.364826	
6	2	6	81.9	1208		6.366654	
7	2	6	68.9	1039		7.090483	
8	2	6	61.6	1022		8.149663	
9	3	6	75.5	1928	1576	8.403886	
10	2	6	68.7	1984		9.749410	
11	3	6	96.0	1402	1318	10.586200	
12	2	6	64.3	1135		11.456509	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	88.6	1583		0.004558	1
1	3	9	61.0	1276	1518	0.716471	
2	2	9	60.1	1502		1.934508	
3	2	9	76.2	1895		2.633551	
4	2	9	60.2	1864		3.258010	
5	2	9	56.2	1966		3.409797	
6	3	9	82.8	1505	1091	4.578570	
7	1	9	57.1			4.833801	
8	2	9	71.7	1166		5.758312	
9	3	9	98.5	1707	1019	6.527566	
10	3	9	85.7	1896	1254	6.889837	
11	1	9	89.5			7.532334	
12	3	9	73.1	1733	1396	8.160415	
13	2	9	73.1	1882		8.944868	
14	2	9	90.9	1508		9.383750	
15	1	9	80.1			10.348714	
16	3	9	94.2	1546	1466	10.912963	
17	2	9	66.2	1496		11.933660	

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	8	75.1	1430		0.620333	
1	2	8	61.3	1666		1.113936	
2	1	8	72.8			2.009019	
3	3	8	75.0	1821	1192	3.048534	
4	2	8	86.6	1577		3.421519	
5	1	8	92.6			4.192261	
6	2	8	99.3	1013		4.942514	
7	3	8	68.8	1785	1797	6.245828	1
8	3	8	85.9	1276	1209	6.947308	
9	3	8	86.8	1244	1697	7.448632	
10	3	8	94.1	1177	1488	8.359776	
11	2	8	58.8	1102		9.044272	
12	2	8	63.6	1591		10.316525	
13	1	8	80.3			11.053018	
14	3	8	63.4	1219	1388	11.631949	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	92.5	1460		0.045113	
1	1	9	56.9			1.485103	
2	2	9	50.8	1539		1.994054	
3	2	9	64.0	1385		3.537178	
4	2	9	97.3	1585		4.184563	
5	2	9	51.3	1170		4.619833	
6	2	9	75.3	1802		6.390043	1
7	2	9	71.0	1717		6.539240	
8	1	9	88.3			7.568936	
9	1	9	51.6			8.601525	
10	1	9	81.9			10.102305	
11	2	9	55.4	1225		10.402286	
12	2	9	68.8	1974		11.767148	

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	7	53.4	1719	1659	0.075027	1
1	3	7	84.1	1352	1568	0.881415	
2	1	7	50.5			1.759324	
3	2	7	63.7	1100		2.325651	
4	2	7	63.2	1416		2.679143	
5	1	7	62.1			3.525211	
6	1	7	63.5			4.031483	
7	1	7	98.6			4.871416	
8	2	7	70.4	1540		5.557948	
9	3	7	63.2	1498	1540	6.454975	
10	3	7	63.5	1750	1480	7.246942	
11	1	7	92.6			7.612402	
12	1	7	54.5			8.334161	
13	1	7	72.1			8.761517	
14	2	7	57.3	1598		9.990002	
15	3	7	90.0	1702	1460	10.301127	
16	2	7	75.5	1126		10.883866	
17	2	7	99.9	1686		11.593515	

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	10	57.8	1549		0.478745	
1	2	10	97.2	1889		0.739813	
2	2	10	60.0	1376		1.473982	
3	1	10	92.3			2.083091	
4	1	10	68.6			2.726961	
5	2	10	61.9	1368		3.246821	
6	2	10	99.2	1204		3.976513	
7	1	10	60.7			4.431658	
8	1	10	99.2			5.352035	
9	1	10	67.1			6.054790	1
10	2	10	61.1	1615		6.774780	
11	2	10	69.1	1685		7.174271	
12	1	10	68.2			7.664310	
13	3	10	66.1	1764	1556	8.316856	
14	2	10	72.0	1312		9.350214	
15	3	10	59.5	1590	1957	9.782711	
16	3	10	63.6	1600	1427	10.470047	
17	2	10	96.3	1023		11.203455	
18	3	10	72.9	1549	1138	11.496287	

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	7	62.1	1376		0.802270	
1	2	7	70.3	1029		1.151517	
2	1	7	63.3			2.720930	
3	2	7	89.6	1613		3.884008	
4	2	7	72.2	1274		4.698057	
5	3	7	58.7	1559	1274	5.544298	1
6	2	7	85.9	1696		7.579406	
7	2	7	70.8	1335		8.405699	
8	1	7	92.4			9.612145	
9	2	7	53.9	1135		10.242737	
10	2	7	68.0	1751		11.667347	

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	67.4	1203	1525	0.279306	0
1	1	6	94.4			2.247599	
2	3	6	93.5	1456	1846	2.950134	
3	2	6	79.1	1242		4.255230	
4	3	6	88.2	1024	1455	5.040627	
5	2	6	53.8	1110		6.726846	
6	3	6	68.4	1704	1634	7.542836	
7	2	6	73.9	1031		8.748688	
8	3	6	79.2	1314	1214	10.468122	
9	3	6	81.3	1962	1382	11.727187	

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	84.2	1071		0.101390	1
1	2	7	90.2	1295		1.146235	
2	2	7	93.1	1597		1.719419	
3	2	7	96.3	1280		2.368040	
4	3	7	65.9	1834	1063	3.267104	
5	2	7	80.0	1876		3.722836	
6	2	7	75.1	1752		4.476686	
7	2	7	62.8	1127		5.409762	
8	2	7	81.9	1635		5.832647	
9	2	7	88.5	1264		6.642272	
10	2	7	60.7	1732		7.567376	
11	3	7	70.3	1497	1198	8.199077	
12	2	7	73.6	1592		8.505543	
13	1	7	71.6			9.431811	
14	2	7	70.5	1479		10.519072	
15	3	7	92.1	1625	1111	10.668021	
16	3	7	62.0	1547	1536	11.943523	

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	51.1	1511		0.376930	1
1	2	10	56.7	1645		1.364223	
2	2	10	67.0	1591		2.070172	
3	1	10	82.7			3.105679	
4	2	10	83.2	1251		4.594124	
5	2	10	67.0	1372		5.448869	
6	2	10	53.7	1946		6.024819	
7	2	10	95.3	1926		7.036611	
8	1	10	85.8			7.460426	
9	2	10	61.4	1577		8.878100	
10	3	10	66.4	1632	1735	9.593086	
11	2	10	61.4	1344		10.590065	
12	2	10	69.8	1051		11.402863	

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	17	67.7	1794		0.716984	0
1	2	17	84.3	1696		2.931578	
2	2	17	74.3	1711		4.470051	
3	2	17	56.9	1230		5.662773	
4	3	17	56.1	1070	1013	7.489853	
5	2	17	65.1	1627		8.173302	
6	2	17	63.5	1201		9.392919	
7	2	17	86.6	1111		11.713166	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	87.2	1964		0.562915	1
1	3	17	87.6	1859	1229	1.305982	
2	3	17	56.7	1033	1596	2.508678	
3	3	17	94.1	1134	1213	3.374298	
4	3	17	79.2	1529	1823	4.274368	
5	1	17	83.2			5.084054	
6	2	17	94.8	1555		5.886388	
7	1	17	69.9			6.392534	
8	1	17	51.4			7.095313	
9	1	17	80.3			7.718702	
10	1	17	57.7			9.011038	
11	2	17	74.4	1403		9.813953	
12	1	17	74.8			10.759167	
13	2	17	77.9	1252		11.223423	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	81.5	1290		0.835863	1
1	1	12	54.8			0.995134	
2	1	12	76.1			2.396399	
3	2	12	58.7	1133		3.117048	
4	2	12	83.2	1087		3.618858	
5	1	12	55.9			4.685388	
6	1	12	92.2			5.955726	
7	2	12	90.1	1085		6.083514	
8	2	12	88.0	1223		6.977424	
9	3	12	64.5	1070	1298	8.191368	
10	2	12	73.7	1842		9.282375	
11	3	12	92.1	1085	1229	10.158573	
12	3	12	99.6	1537	1979	10.873411	
13	1	12	69.5			11.576877	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	80.9	1179		0.118452	
1	2	14	59.2	1705		1.905256	
2	1	14	90.0			3.145191	
3	2	14	64.4	1473		3.315540	
4	2	14	56.9	1330		5.331127	
5	2	14	90.8	1225		5.938782	1
6	2	14	56.4	1063		6.677628	
7	3	14	69.8	1271	1789	8.315333	
8	2	14	56.3	1010		8.910345	
9	2	14	54.6	1230		10.158304	
10	2	14	51.5	1146		11.665241	

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	62.6	1153		0.429114	
1	3	8	90.0	1225	1252	0.864795	
2	1	8	61.7			1.640345	
3	3	8	97.5	1889	1494	2.789662	
4	3	8	90.0	1270	1297	3.049962	
5	3	8	59.8	1235	1643	3.814902	
6	1	8	71.0			4.444988	
7	2	8	58.0	1727		5.287686	
8	2	8	55.7	1691		5.737866	1
9	1	8	86.8			7.034967	
10	3	8	96.2	1626	1431	7.439110	
11	3	8	73.1	1765	1461	8.259913	
12	1	8	53.4			8.924562	
13	2	8	58.3	1656		9.448371	
14	3	8	58.2	1740	1228	10.178561	
15	1	8	99.3			11.168569	
16	3	8	62.9	1223	1005	11.904291	

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	7	78.9			0.366917	
1	2	7	62.8	1979		1.036970	
2	2	7	59.6	1607		2.357684	
3	1	7	62.1			3.058439	
4	2	7	63.3	1616		3.941750	
5	2	7	87.9	1901		4.735325	
6	2	7	70.6	1134		5.516787	
7	2	7	55.2	1300		5.897103	1
8	1	7	87.8			7.140573	
9	2	7	56.2	1371		7.761280	
10	1	7	83.9			8.233953	
11	2	7	70.4	1008		9.055903	
12	3	7	54.5	1156	1480	10.092753	
13	1	7	52.7			10.452859	
14	2	7	63.7	1357		11.414672	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	88.3	1262		0.171261	
1	2	14	74.7	1425		1.498778	
2	2	14	84.2	1439		2.625320	
3	2	14	95.3	1252		3.476808	
4	2	14	88.5	1554		5.033065	
5	2	14	54.2	1597		5.584002	1
6	1	14	50.0			6.722958	
7	3	14	71.9	1339	1205	8.558923	
8	1	14	94.6			8.939432	
9	2	14	68.1	1957		10.396161	
10	2	14	78.6	1244		11.515225	

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	12	90.8	1787		0.226180	
1	1	12	57.9			0.903954	
2	1	12	81.3			1.872411	
3	2	12	68.3	1497		2.105218	
4	2	12	83.7	1788		2.874885	
5	3	12	50.0	1923	1427	3.167863	
6	3	12	66.7	1859	1845	3.794792	
7	1	12	80.3			4.692990	
8	3	12	54.9	1432	1403	5.246067	
9	1	12	97.3			5.993012	1
10	2	12	86.4	1781		6.338597	
11	1	12	73.8			7.225530	
12	2	12	51.2	1800		7.669061	
13	2	12	94.5	1546		8.267115	
14	2	12	93.3	1118		9.034655	
15	2	12	53.0	1224		9.886898	
16	2	12	89.4	1167		10.155169	
17	2	12	58.2	1382		11.262986	
18	2	12	65.0	1575		11.957443	

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	98.0	1857		0.234220	
1	2	14	88.3	1788		2.158461	
2	2	14	59.1	1165		3.415574	
3	3	14	74.1	1320	1177	4.167304	
4	2	14	64.5	1166		5.957206	1
5	2	14	51.5	1748		6.724290	
6	1	14	55.7			8.428457	
7	2	14	54.0	1594		10.106104	
8	1	14	67.8			11.995170	

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	8	62.4	1645		0.934685	1
1	3	8	74.0	1477	1591	1.826293	
2	1	8	91.8			2.966821	
3	3	8	91.1	1263	1980	3.988667	
4	2	8	77.0	1358		4.872717	
5	2	8	58.6	1469		5.826742	
6	2	8	95.4	1415		6.403027	
7	2	8	83.2	1350		7.235847	
8	3	8	67.4	1166	1954	8.277154	
9	2	8	99.5	1198		9.168801	
10	1	8	86.1			10.199018	
11	2	8	53.0	1121		11.626789	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	98.5	1017	1068	0.847843	1
1	3	15	50.0	1525	1905	2.237867	
2	2	15	60.1	1710		2.744496	
3	2	15	72.4	1107		5.126442	
4	3	15	50.4	1457	1063	5.730104	
5	1	15	58.9			7.291041	
6	2	15	75.2	1677		8.436230	
7	2	15	70.2	1776		9.437968	
8	1	15	88.4			11.344009	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	66.8	1958		0.394580	
1	2	6	61.4	1772		1.190756	
2	2	6	97.9	1700		1.424036	
3	2	6	76.6	1738		2.478210	
4	3	6	75.2	1185	1514	2.727510	
5	3	6	96.4	1809	1105	3.296994	
6	2	6	61.5	1096		3.991366	
7	2	6	70.6	1667		4.509051	
8	3	6	51.8	1722	1056	5.075741	
9	2	6	94.3	1585		5.707054	1
10	3	6	83.9	1379	1908	6.379485	
11	2	6	86.6	1617		7.019510	
12	1	6	53.2			7.918677	
13	2	6	69.0	1221		8.658391	
14	1	6	60.5			8.854597	
15	3	6	70.8	1915	1890	9.669929	
16	2	6	80.5	1677		10.123996	
17	2	6	84.2	1779		10.876572	
18	1	6	91.4			11.824895	

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	12	53.3			0.025755	
1	1	12	97.9			0.765651	
2	3	12	92.9	1337	1653	1.906257	
3	3	12	84.4	1898	1322	2.342417	
4	1	12	89.5			2.895951	
5	2	12	86.5	1938		3.654300	
6	2	12	54.5	1597		4.908258	
7	3	12	77.8	1524	1795	5.521776	
8	1	12	95.2			5.693550	0
9	1	12	58.8			6.658226	
10	2	12	95.9	1558		7.719742	
11	2	12	71.3	1110		8.090090	
12	3	12	57.0	1724	1502	8.620767	
13	1	12	63.0			9.847390	
14	2	12	97.4	1067		10.404451	
15	2	12	72.6	1685		10.953938	
16	2	12	63.7	1385		11.986163	

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	7	65.9	1425		1.031778	
1	1	7	80.6			1.215642	
2	2	7	77.9	1858		2.335076	
3	2	7	89.3	1463		3.541741	
4	2	7	72.1	1127		4.906906	
5	2	7	99.7	1470		6.152138	1
6	1	7	86.2			6.650256	
7	2	7	65.4	1885		7.741754	
8	2	7	88.6	1054		9.175956	
9	3	7	78.8	1620	1228	10.685589	
10	2	7	55.8	1574		11.877039	

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	13	89.7	1768		0.392909	
1	1	13	75.5			1.087607	
2	3	13	88.6	1697	1994	2.468191	
3	2	13	85.9	1596		3.149712	
4	2	13	62.4	1227		4.066357	
5	3	13	61.6	1668	1548	5.060907	
6	3	13	98.0	1311	1600	5.651935	1
7	2	13	99.9	1676		6.915286	
8	2	13	60.6	1753		7.752100	
9	2	13	95.0	1596		8.479158	
10	2	13	62.6	1740		9.969841	
11	3	13	64.3	1103	1474	10.235961	
12	2	13	66.1	1620		11.238777	

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	7	63.2	1733		0.465151	
1	2	7	98.1	1125		1.175984	
2	1	7	54.9			1.805966	
3	1	7	73.2			2.509052	
4	2	7	77.2	1300		2.865873	
5	2	7	53.1	1295		3.852372	
6	2	7	68.2	1870		4.021866	
7	3	7	94.6	1321	1589	5.168084	
8	2	7	88.7	1283		5.858777	
9	1	7	77.5			6.425237	1
10	2	7	98.1	1434		7.294100	
11	2	7	96.8	1251		7.565356	
12	3	7	78.6	1658	1557	8.200063	
13	1	7	72.7			8.981475	
14	3	7	78.5	1279	1970	9.579932	
15	2	7	77.7	1380		10.524350	
16	1	7	73.8			11.075848	
17	1	7	67.1			11.683025	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	63.6	1193		0.499446	
1	2	15	99.9	1420		0.754847	
2	1	15	68.2			1.868554	
3	1	15	92.6			2.580893	
4	2	15	61.3	1806		3.143972	
5	1	15	92.9			3.719147	
6	3	15	67.8	1156	1943	4.485553	
7	2	15	76.5	1072		5.575799	
8	1	15	50.8			5.823681	1
9	2	15	51.3	1393		6.859281	
10	1	15	79.5			7.308680	
11	1	15	87.3			7.990307	
12	1	15	76.0			9.109289	
13	1	15	51.6			9.320191	
14	3	15	87.5	1056	1420	10.395875	
15	2	15	80.9	1188		10.654218	
16	3	15	82.2	1041	1002	11.412405	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	63.9	1044		0.816267	
1	2	14	94.8	1634		1.692289	
2	2	14	63.4	1296		2.275012	
3	1	14	83.7			3.219036	
4	2	14	59.1	1310		4.171462	
5	1	14	65.7			5.729572	0
6	3	14	95.0	1943	1325	6.011507	
7	3	14	74.7	1203	1696	7.041348	
8	2	14	51.4	1100		8.888372	
9	3	14	72.4	1170	1195	9.062855	
10	2	14	99.1	1198		10.121496	
11	2	14	95.4	1120		11.835460	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	85.2			0.667278	1
1	2	14	97.5	1031		1.767891	
2	1	14	91.1			3.321843	
3	2	14	93.0	1568		3.739865	
4	2	14	76.6	1701		5.502125	
5	3	14	81.9	1206	1430	6.331595	
6	2	14	88.3	1389		8.287693	
7	1	14	60.0			9.121355	
8	1	14	77.5			9.742709	
9	2	14	51.8	1406		10.982785	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	96.5	1715		0.079368	1
1	1	7	91.7			2.182297	
2	1	7	91.9			2.842546	
3	2	7	70.1	1112		3.639521	
4	1	7	93.6			5.619250	
5	3	7	91.2	1914	1105	6.089388	
6	2	7	83.7	1364		8.307932	
7	1	7	91.4			8.672200	
8	2	7	83.3	1267		9.637619	
9	3	7	90.2	1774	1190	11.586124	

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	5526.0, 5692.0, 5289.0, 5545.0, 5646.0, 5370.0, 5697.0, 5337.0, 5364.0, 5666.0, 5313.0, 5455.0, 5486.0, 5380.0, 5695.0, 5564.0, 5309.0, 5591.0, 5398.0, 5318.0, 5384.0, 5342.0, 5652.0, 5252.0, 5533.0, 5642.0, 5502.0, 5483.0, 5275.0, 5333.0, 5290.0, 5453.0, 5664.0, 5393.0, 5682.0, 5376.0, 5504.0, 5543.0, 5608.0, 5325.0, 5487.0, 5489.0, 5415.0, 5643.0, 5565.0, 5324.0, 5598.0, 5541.0, 5625.0, 5596.0, 5410.0, 5466.0, 5654.0, 5262.0, 5303.0, 5672.0, 5707.0, 5429.0, 5623.0, 5544.0, 5473.0, 5406.0, 5651.0, 5347.0, 5563.0, 5340.0, 5524.0, 5477.0, 5300.0, 5497.0, 5624.0, 5311.0, 5409.0, 5332.0, 5253.0, 5446.0, 5462.0, 5603.0, 5704.0, 5250.0, 5510.0, 5385.0, 5266.0, 5658.0, 5644.0, 5584.0, 5445.0, 5513.0, 5636.0, 5630.0, 5356.0, 5586.0, 5382.0, 5516.0, 5261.0, 5587.0, 5401.0, 5574.0, 5435.0, 5657.0 (number of hits: 3)
2	5500.0	9	1.0	333	1	5633.0, 5318.0, 5406.0, 5381.0, 5307.0, 5663.0, 5300.0, 5646.0, 5263.0, 5505.0, 5419.0, 5670.0, 5537.0, 5396.0, 5718.0, 5585.0, 5634.0, 5407.0, 5284.0, 5715.0, 5269.0, 5255.0, 5296.0, 5413.0, 5705.0, 5496.0, 5315.0, 5260.0, 5584.0, 5682.0, 5490.0, 5471.0, 5657.0, 5589.0, 5716.0, 5614.0, 5433.0, 5451.0, 5424.0, 5504.0, 5696.0, 5674.0, 5494.0, 5388.0, 5379.0, 5581.0, 5435.0, 5354.0, 5710.0, 5668.0, 5453.0, 5530.0, 5625.0, 5578.0, 5345.0, 5455.0, 5548.0, 5480.0, 5703.0, 5477.0, 5512.0, 5673.0, 5647.0, 5497.0, 5511.0, 5340.0, 5356.0, 5332.0, 5661.0, 5299.0, 5579.0, 5685.0, 5658.0, 5327.0, 5450.0, 5627.0, 5373.0, 5540.0, 5400.0, 5432.0, 5422.0, 5478.0, 5502.0, 5631.0, 5719.0, 5304.0, 5695.0, 5364.0, 5369.0, 5671.0, 5564.0, 5644.0, 5688.0, 5475.0, 5427.0, 5665.0, 5607.0, 5570.0, 5659.0, 5438.0 (number of hits: 6)
3	5500.0	9	1.0	333	1	5529.0, 5472.0, 5583.0, 5479.0, 5403.0, 5695.0, 5349.0, 5602.0, 5625.0, 5560.0, 5716.0, 5414.0, 5312.0, 5411.0, 5631.0, 5526.0, 5670.0, 5615.0, 5582.0, 5626.0, 5449.0, 5463.0, 5260.0, 5627.0, 5355.0, 5658.0, 5357.0, 5690.0, 5664.0, 5705.0, 5551.0, 5451.0, 5471.0, 5350.0, 5644.0, 5430.0, 5341.0, 5500.0, 5678.0, 5468.0, 5321.0, 5488.0, 5351.0, 5718.0, 5311.0, 5444.0, 5290.0, 5433.0, 5581.0, 5284.0, 5294.0, 5610.0, 5638.0, 5265.0, 5482.0, 5579.0, 5256.0, 5584.0, 5574.0, 5251.0, 5696.0, 5448.0, 5589.0, 5366.0, 5398.0, 5458.0, 5395.0, 5597.0, 5340.0, 5334.0,

						5261.0, 5641.0, 5386.0, 5326.0, 5628.0, 5517.0, 5601.0, 5408.0, 5267.0, 5372.0, 5569.0, 5360.0, 5537.0, 5654.0, 5381.0, 5327.0, 5566.0, 5318.0, 5257.0, 5490.0, 5512.0, 5622.0, 5674.0, 5686.0, 5277.0, 5279.0, 5272.0, 5423.0, 5645.0, 5283.0 (number of hits: 1)
4	5500.0	9	1.0	333	1	5291.0, 5327.0, 5367.0, 5681.0, 5267.0, 5352.0, 5539.0, 5502.0, 5589.0, 5447.0, 5511.0, 5302.0, 5366.0, 5479.0, 5357.0, 5509.0, 5478.0, 5659.0, 5721.0, 5505.0, 5560.0, 5348.0, 5324.0, 5471.0, 5254.0, 5430.0, 5464.0, 5692.0, 5548.0, 5407.0, 5322.0, 5363.0, 5612.0, 5383.0, 5257.0, 5279.0, 5387.0, 5412.0, 5423.0, 5630.0, 5438.0, 5570.0, 5676.0, 5702.0, 5666.0, 5373.0, 5413.0, 5660.0, 5396.0, 5623.0, 5457.0, 5633.0, 5446.0, 5562.0, 5695.0, 5583.0, 5690.0, 5266.0, 5554.0, 5688.0, 5634.0, 5301.0, 5669.0, 5622.0, 5410.0, 5629.0, 5613.0, 5443.0, 5653.0, 5284.0, 5564.0, 5419.0, 5720.0, 5290.0, 5566.0, 5647.0, 5700.0, 5418.0, 5588.0, 5569.0, 5489.0, 5683.0, 5399.0, 5385.0, 5531.0, 5341.0, 5540.0, 5581.0, 5262.0, 5640.0, 5664.0, 5600.0, 5493.0, 5449.0, 5530.0, 5345.0, 5682.0, 5620.0, 5632.0, 5445.0 (number of hits: 3)
5	5500.0	9	1.0	333	1	5562.0, 5408.0, 5534.0, 5376.0, 5406.0, 5302.0, 5722.0, 5322.0, 5298.0, 5549.0, 5491.0, 5288.0, 5396.0, 5426.0, 5698.0, 5588.0, 5556.0, 5259.0, 5608.0, 5544.0, 5518.0, 5592.0, 5341.0, 5422.0, 5297.0, 5548.0, 5715.0, 5559.0, 5436.0, 5489.0, 5686.0, 5612.0, 5338.0, 5362.0, 5684.0, 5695.0, 5303.0, 5374.0, 5365.0, 5287.0, 5286.0, 5282.0, 5358.0, 5723.0, 5486.0, 5690.0, 5277.0, 5262.0, 5354.0, 5701.0, 5523.0, 5636.0, 5339.0, 5307.0, 5500.0, 5334.0, 5627.0, 5599.0, 5368.0, 5456.0, 5625.0, 5667.0, 5647.0, 5295.0, 5327.0, 5332.0, 5639.0, 5423.0, 5434.0, 5653.0, 5533.0, 5584.0, 5614.0, 5413.0, 5616.0, 5433.0, 5353.0, 5497.0, 5569.0, 5530.0, 5717.0, 5521.0, 5516.0, 5644.0, 5709.0, 5712.0, 5641.0, 5438.0, 5467.0, 5487.0, 5292.0, 5526.0, 5691.0, 5383.0, 5634.0, 5535.0, 5587.0, 5271.0, 5448.0, 5658.0 (number of hits: 2)
6	5500.0	9	1.0	333	1	5516.0, 5696.0, 5259.0, 5556.0, 5312.0, 5303.0, 5700.0, 5305.0, 5719.0, 5316.0, 5665.0, 5287.0, 5517.0, 5670.0, 5542.0, 5460.0, 5444.0, 5399.0, 5432.0, 5288.0, 5279.0, 5472.0, 5441.0, 5703.0, 5641.0, 5718.0, 5254.0, 5416.0, 5697.0, 5722.0, 5683.0, 5562.0, 5338.0, 5669.0, 5661.0, 5650.0, 5705.0, 5689.0, 5667.0, 5339.0, 5623.0, 5715.0, 5265.0, 5404.0, 5387.0, 5524.0, 5290.0, 5315.0, 5550.0, 5413.0, 5636.0, 5680.0, 5698.0, 5676.0, 5672.0, 5314.0, 5402.0, 5664.0, 5639.0, 5554.0, 5541.0, 5309.0, 5334.0, 5344.0, 5394.0,

						5723.0, 5580.0, 5462.0, 5614.0, 5362.0, 5270.0, 5307.0, 5578.0, 5643.0, 5520.0, 5266.0, 5390.0, 5652.0, 5566.0, 5654.0, 5403.0, 5257.0, 5489.0, 5424.0, 5448.0, 5557.0, 5633.0, 5601.0, 5523.0, 5551.0, 5553.0, 5673.0, 5629.0, 5640.0, 5330.0, 5451.0, 5401.0, 5426.0, 5522.0, 5492.0 (number of hits: 1)
7	5500.0	9	1.0	333	1	5611.0, 5651.0, 5587.0, 5540.0, 5353.0, 5510.0, 5717.0, 5662.0, 5293.0, 5475.0, 5405.0, 5291.0, 5396.0, 5284.0, 5679.0, 5513.0, 5430.0, 5642.0, 5270.0, 5279.0, 5424.0, 5612.0, 5498.0, 5260.0, 5344.0, 5458.0, 5442.0, 5252.0, 5262.0, 5315.0, 5629.0, 5530.0, 5558.0, 5503.0, 5543.0, 5269.0, 5613.0, 5455.0, 5533.0, 5415.0, 5596.0, 5422.0, 5460.0, 5474.0, 5468.0, 5331.0, 5603.0, 5493.0, 5303.0, 5715.0, 5645.0, 5632.0, 5345.0, 5666.0, 5278.0, 5699.0, 5486.0, 5495.0, 5685.0, 5312.0, 5440.0, 5465.0, 5254.0, 5459.0, 5317.0, 5479.0, 5365.0, 5412.0, 5620.0, 5382.0, 5305.0, 5457.0, 5561.0, 5477.0, 5454.0, 5637.0, 5641.0, 5531.0, 5500.0, 5348.0, 5381.0, 5420.0, 5566.0, 5489.0, 5661.0, 5697.0, 5448.0, 5433.0, 5295.0, 5357.0, 5394.0, 5693.0, 5289.0, 5423.0, 5577.0, 5669.0, 5719.0, 5622.0, 5705.0, 5523.0 (number of hits: 5)
8	5500.0	9	1.0	333	1	5542.0, 5309.0, 5274.0, 5452.0, 5641.0, 5324.0, 5354.0, 5393.0, 5457.0, 5260.0, 5417.0, 5252.0, 5315.0, 5327.0, 5628.0, 5519.0, 5700.0, 5551.0, 5530.0, 5269.0, 5273.0, 5289.0, 5420.0, 5487.0, 5332.0, 5449.0, 5657.0, 5719.0, 5508.0, 5587.0, 5544.0, 5456.0, 5520.0, 5438.0, 5293.0, 5437.0, 5483.0, 5395.0, 5585.0, 5399.0, 5352.0, 5568.0, 5403.0, 5338.0, 5583.0, 5715.0, 5474.0, 5415.0, 5677.0, 5566.0, 5423.0, 5549.0, 5261.0, 5268.0, 5310.0, 5297.0, 5532.0, 5414.0, 5497.0, 5496.0, 5704.0, 5687.0, 5367.0, 5427.0, 5631.0, 5350.0, 5593.0, 5557.0, 5511.0, 5434.0, 5383.0, 5391.0, 5618.0, 5594.0, 5513.0, 5326.0, 5258.0, 5311.0, 5426.0, 5614.0, 5619.0, 5408.0, 5489.0, 5638.0, 5451.0, 5378.0, 5287.0, 5620.0, 5381.0, 5328.0, 5612.0, 5494.0, 5357.0, 5453.0, 5632.0, 5722.0, 5407.0, 5629.0, 5607.0, 5624.0 (number of hits: 3)
9	5500.0	9	1.0	333	1	5666.0, 5709.0, 5700.0, 5274.0, 5351.0, 5277.0, 5651.0, 5316.0, 5720.0, 5307.0, 5524.0, 5626.0, 5444.0, 5352.0, 5293.0, 5412.0, 5621.0, 5252.0, 5334.0, 5489.0, 5596.0, 5678.0, 5370.0, 5288.0, 5584.0, 5396.0, 5376.0, 5694.0, 5427.0, 5259.0, 5693.0, 5498.0, 5436.0, 5421.0, 5440.0, 5373.0, 5405.0, 5714.0, 5606.0, 5520.0, 5536.0, 5381.0, 5429.0, 5302.0, 5500.0, 5679.0, 5262.0, 5464.0, 5695.0, 5660.0, 5425.0, 5438.0, 5266.0, 5568.0, 5512.0, 5273.0, 5722.0, 5383.0, 5271.0, 5473.0,

						5509.0, 5474.0, 5501.0, 5502.0, 5353.0, 5263.0, 5518.0, 5269.0, 5638.0, 5656.0, 5511.0, 5275.0, 5467.0, 5336.0, 5663.0, 5616.0, 5393.0, 5692.0, 5487.0, 5665.0, 5278.0, 5479.0, 5514.0, 5461.0, 5431.0, 5313.0, 5251.0, 5309.0, 5458.0, 5697.0, 5450.0, 5345.0, 5417.0, 5680.0, 5366.0, 5553.0, 5469.0, 5454.0, 5482.0, 5582.0 (number of hits: 4)
10	5500.0	9	1.0	333	1	5394.0, 5533.0, 5425.0, 5487.0, 5370.0, 5321.0, 5578.0, 5687.0, 5374.0, 5452.0, 5607.0, 5662.0, 5671.0, 5691.0, 5667.0, 5375.0, 5454.0, 5254.0, 5560.0, 5272.0, 5617.0, 5629.0, 5690.0, 5416.0, 5557.0, 5660.0, 5673.0, 5639.0, 5351.0, 5677.0, 5577.0, 5545.0, 5469.0, 5304.0, 5294.0, 5334.0, 5562.0, 5256.0, 5318.0, 5327.0, 5364.0, 5260.0, 5540.0, 5308.0, 5252.0, 5342.0, 5381.0, 5661.0, 5295.0, 5492.0, 5307.0, 5659.0, 5286.0, 5625.0, 5489.0, 5502.0, 5426.0, 5386.0, 5618.0, 5458.0, 5438.0, 5597.0, 5610.0, 5504.0, 5278.0, 5603.0, 5481.0, 5399.0, 5268.0, 5501.0, 5594.0, 5608.0, 5664.0, 5355.0, 5467.0, 5596.0, 5402.0, 5563.0, 5387.0, 5284.0, 5635.0, 5602.0, 5520.0, 5358.0, 5483.0, 5357.0, 5547.0, 5337.0, 5436.0, 5253.0, 5276.0, 5627.0, 5534.0, 5451.0, 5488.0, 5605.0, 5441.0, 5692.0, 5384.0, 5250.0 (number of hits: 4)
11	5500.0	9	1.0	333	1	5612.0, 5707.0, 5323.0, 5523.0, 5589.0, 5677.0, 5493.0, 5334.0, 5306.0, 5609.0, 5664.0, 5526.0, 5565.0, 5625.0, 5540.0, 5708.0, 5445.0, 5328.0, 5392.0, 5426.0, 5433.0, 5567.0, 5606.0, 5292.0, 5593.0, 5272.0, 5706.0, 5298.0, 5414.0, 5333.0, 5275.0, 5594.0, 5545.0, 5398.0, 5691.0, 5384.0, 5590.0, 5640.0, 5331.0, 5419.0, 5273.0, 5592.0, 5520.0, 5632.0, 5262.0, 5521.0, 5564.0, 5321.0, 5251.0, 5694.0, 5373.0, 5600.0, 5668.0, 5336.0, 5432.0, 5289.0, 5412.0, 5713.0, 5684.0, 5588.0, 5442.0, 5688.0, 5388.0, 5469.0, 5479.0, 5543.0, 5499.0, 5573.0, 5259.0, 5720.0, 5418.0, 5257.0, 5709.0, 5427.0, 5484.0, 5641.0, 5528.0, 5443.0, 5324.0, 5581.0, 5315.0, 5570.0, 5448.0, 5716.0, 5255.0, 5339.0, 5548.0, 5439.0, 5403.0, 5282.0, 5297.0, 5722.0, 5651.0, 5561.0, 5359.0, 5441.0, 5401.0, 5532.0, 5635.0, 5431.0 (number of hits: 2)
12	5500.0	9	1.0	333	1	5540.0, 5464.0, 5259.0, 5709.0, 5474.0, 5515.0, 5392.0, 5688.0, 5522.0, 5318.0, 5458.0, 5426.0, 5262.0, 5682.0, 5306.0, 5254.0, 5273.0, 5454.0, 5263.0, 5699.0, 5386.0, 5455.0, 5567.0, 5557.0, 5510.0, 5691.0, 5390.0, 5602.0, 5418.0, 5689.0, 5514.0, 5628.0, 5330.0, 5611.0, 5499.0, 5627.0, 5431.0, 5600.0, 5356.0, 5344.0, 5720.0, 5267.0, 5375.0, 5331.0, 5586.0, 5507.0, 5670.0, 5268.0, 5599.0, 5460.0, 5282.0, 5583.0, 5613.0, 5312.0, 5345.0,

						5609.0, 5373.0, 5416.0, 5395.0, 5465.0, 5632.0, 5447.0, 5578.0, 5558.0, 5457.0, 5291.0, 5339.0, 5614.0, 5380.0, 5506.0, 5427.0, 5302.0, 5530.0, 5404.0, 5327.0, 5517.0, 5570.0, 5340.0, 5553.0, 5376.0, 5564.0, 5590.0, 5325.0, 5659.0, 5329.0, 5479.0, 5597.0, 5467.0, 5605.0, 5516.0, 5389.0, 5309.0, 5289.0, 5405.0, 5446.0, 5575.0, 5618.0, 5660.0, 5621.0, 5403.0 (number of hits: 3)
13	5500.0	9	1.0	333	1	5593.0, 5626.0, 5458.0, 5678.0, 5653.0, 5615.0, 5389.0, 5325.0, 5270.0, 5701.0, 5339.0, 5417.0, 5424.0, 5521.0, 5342.0, 5427.0, 5651.0, 5355.0, 5408.0, 5501.0, 5648.0, 5286.0, 5261.0, 5442.0, 5329.0, 5327.0, 5420.0, 5502.0, 5519.0, 5566.0, 5385.0, 5548.0, 5515.0, 5509.0, 5419.0, 5565.0, 5410.0, 5312.0, 5287.0, 5520.0, 5335.0, 5703.0, 5577.0, 5393.0, 5550.0, 5584.0, 5485.0, 5720.0, 5381.0, 5291.0, 5513.0, 5480.0, 5666.0, 5707.0, 5445.0, 5391.0, 5527.0, 5284.0, 5598.0, 5311.0, 5275.0, 5599.0, 5623.0, 5531.0, 5540.0, 5587.0, 5472.0, 5610.0, 5282.0, 5388.0, 5644.0, 5718.0, 5318.0, 5503.0, 5596.0, 5645.0, 5675.0, 5692.0, 5392.0, 5379.0, 5313.0, 5377.0, 5303.0, 5576.0, 5324.0, 5268.0, 5302.0, 5452.0, 5380.0, 5348.0, 5349.0, 5700.0, 5294.0, 5567.0, 5264.0, 5278.0, 5723.0, 5362.0, 5487.0, 5556.0 (number of hits: 3)
14	5500.0	9	1.0	333	1	5502.0, 5664.0, 5672.0, 5646.0, 5462.0, 5500.0, 5477.0, 5332.0, 5704.0, 5591.0, 5505.0, 5644.0, 5627.0, 5410.0, 5605.0, 5506.0, 5439.0, 5548.0, 5327.0, 5720.0, 5625.0, 5562.0, 5320.0, 5390.0, 5536.0, 5337.0, 5594.0, 5345.0, 5571.0, 5615.0, 5330.0, 5679.0, 5392.0, 5319.0, 5471.0, 5359.0, 5457.0, 5282.0, 5707.0, 5403.0, 5309.0, 5481.0, 5293.0, 5385.0, 5311.0, 5674.0, 5466.0, 5415.0, 5499.0, 5478.0, 5348.0, 5698.0, 5440.0, 5517.0, 5305.0, 5606.0, 5307.0, 5609.0, 5508.0, 5334.0, 5639.0, 5588.0, 5455.0, 5404.0, 5568.0, 5399.0, 5648.0, 5252.0, 5559.0, 5702.0, 5288.0, 5662.0, 5285.0, 5671.0, 5434.0, 5470.0, 5595.0, 5655.0, 5540.0, 5564.0, 5515.0, 5468.0, 5620.0, 5690.0, 5641.0, 5418.0, 5275.0, 5266.0, 5277.0, 5491.0, 5584.0, 5493.0, 5680.0, 5268.0, 5465.0, 5560.0, 5321.0, 5695.0, 5521.0, 5289.0 (number of hits: 6)
15	5500.0	9	1.0	333	1	5293.0, 5340.0, 5260.0, 5303.0, 5466.0, 5525.0, 5615.0, 5588.0, 5407.0, 5706.0, 5314.0, 5438.0, 5439.0, 5523.0, 5465.0, 5571.0, 5482.0, 5557.0, 5694.0, 5625.0, 5402.0, 5504.0, 5609.0, 5404.0, 5652.0, 5433.0, 5687.0, 5651.0, 5604.0, 5573.0, 5360.0, 5254.0, 5636.0, 5418.0, 5420.0, 5331.0, 5428.0, 5454.0, 5578.0, 5563.0, 5711.0, 5556.0, 5403.0, 5419.0, 5702.0, 5535.0, 5322.0, 5666.0, 5596.0, 5294.0,

						5270.0, 5585.0, 5344.0, 5339.0, 5663.0, 5287.0, 5315.0, 5409.0, 5653.0, 5355.0, 5292.0, 5286.0, 5354.0, 5514.0, 5358.0, 5395.0, 5530.0, 5570.0, 5447.0, 5272.0, 5478.0, 5291.0, 5320.0, 5423.0, 5606.0, 5267.0, 5661.0, 5709.0, 5509.0, 5529.0, 5495.0, 5484.0, 5296.0, 5628.0, 5491.0, 5284.0, 5701.0, 5310.0, 5288.0, 5611.0, 5679.0, 5262.0, 5313.0, 5411.0, 5460.0, 5583.0, 5507.0, 5307.0, 5302.0, 5672.0 (number of hits: 3)
16	5500.0	9	1.0	333	1	5262.0, 5724.0, 5328.0, 5702.0, 5354.0, 5460.0, 5301.0, 5635.0, 5693.0, 5644.0, 5660.0, 5396.0, 5353.0, 5555.0, 5277.0, 5626.0, 5390.0, 5554.0, 5664.0, 5474.0, 5606.0, 5349.0, 5613.0, 5513.0, 5711.0, 5445.0, 5699.0, 5479.0, 5270.0, 5653.0, 5526.0, 5342.0, 5700.0, 5710.0, 5609.0, 5634.0, 5570.0, 5715.0, 5428.0, 5470.0, 5588.0, 5435.0, 5310.0, 5598.0, 5675.0, 5304.0, 5618.0, 5436.0, 5319.0, 5454.0, 5422.0, 5593.0, 5419.0, 5514.0, 5340.0, 5458.0, 5299.0, 5412.0, 5614.0, 5646.0, 5369.0, 5645.0, 5707.0, 5327.0, 5596.0, 5387.0, 5714.0, 5625.0, 5636.0, 5463.0, 5701.0, 5505.0, 5292.0, 5577.0, 5451.0, 5425.0, 5482.0, 5583.0, 5361.0, 5541.0, 5584.0, 5414.0, 5426.0, 5475.0, 5560.0, 5558.0, 5395.0, 5295.0, 5682.0, 5601.0, 5652.0, 5339.0, 5616.0, 5360.0, 5657.0, 5668.0, 5255.0, 5662.0, 5400.0, 5325.0 (number of hits: 1)
17	5500.0	9	1.0	333	0	
18	5500.0	9	1.0	333	1	5295.0, 5429.0, 5425.0, 5566.0, 5435.0, 5352.0, 5263.0, 5393.0, 5490.0, 5353.0, 5451.0, 5478.0, 5298.0, 5639.0, 5337.0, 5362.0, 5388.0, 5476.0, 5550.0, 5539.0, 5420.0, 5572.0, 5720.0, 5627.0, 5544.0, 5473.0, 5671.0, 5331.0, 5402.0, 5403.0, 5277.0, 5443.0, 5617.0, 5611.0, 5574.0, 5537.0, 5293.0, 5259.0, 5522.0, 5419.0, 5624.0, 5306.0, 5622.0, 5258.0, 5649.0, 5360.0, 5452.0, 5374.0, 5390.0, 5356.0, 5361.0, 5676.0, 5380.0, 5284.0, 5389.0, 5430.0, 5518.0, 5697.0, 5401.0, 5693.0, 5586.0, 5589.0, 5547.0, 5266.0, 5474.0, 5251.0, 5573.0, 5336.0, 5618.0, 5301.0, 5437.0, 5466.0, 5691.0, 5487.0, 5375.0, 5571.0, 5290.0, 5603.0, 5304.0, 5321.0, 5641.0, 5489.0, 5684.0, 5311.0, 5278.0, 5593.0, 5475.0, 5570.0, 5551.0, 5469.0, 5359.0, 5526.0, 5256.0, 5406.0, 5252.0, 5480.0, 5719.0, 5309.0, 5308.0, 5498.0 (number of hits: 1)
19	5500.0	9	1.0	333	1	5513.0, 5650.0, 5644.0, 5657.0, 5531.0, 5345.0, 5354.0, 5499.0, 5365.0, 5686.0, 5352.0, 5303.0, 5404.0, 5299.0, 5337.0, 5678.0, 5563.0, 5386.0, 5707.0, 5430.0, 5350.0, 5269.0, 5275.0, 5349.0, 5403.0, 5423.0, 5491.0, 5659.0, 5696.0, 5497.0, 5595.0, 5374.0, 5475.0, 5591.0, 5640.0, 5264.0, 5297.0, 5568.0, 5669.0, 5284.0,

						5515.0, 5581.0, 5416.0, 5452.0, 5309.0, 5629.0, 5490.0, 5674.0, 5384.0, 5636.0, 5432.0, 5328.0, 5371.0, 5339.0, 5298.0, 5390.0, 5646.0, 5717.0, 5602.0, 5539.0, 5721.0, 5654.0, 5451.0, 5421.0, 5316.0, 5469.0, 5724.0, 5628.0, 5622.0, 5308.0, 5495.0, 5296.0, 5260.0, 5559.0, 5407.0, 5330.0, 5656.0, 5572.0, 5310.0, 5254.0, 5632.0, 5319.0, 5426.0, 5619.0, 5399.0, 5599.0, 5382.0, 5338.0, 5347.0, 5583.0, 5641.0, 5582.0, 5714.0, 5356.0, 5292.0, 5331.0, 5579.0, 5409.0, 5647.0, 5442.0 (number of hits: 3)
20	5500.0	9	1.0	333	1	5320.0, 5502.0, 5722.0, 5431.0, 5509.0, 5564.0, 5646.0, 5494.0, 5503.0, 5342.0, 5330.0, 5351.0, 5262.0, 5678.0, 5598.0, 5276.0, 5560.0, 5451.0, 5485.0, 5380.0, 5396.0, 5265.0, 5459.0, 5389.0, 5290.0, 5477.0, 5530.0, 5446.0, 5556.0, 5523.0, 5406.0, 5326.0, 5498.0, 5660.0, 5640.0, 5566.0, 5319.0, 5610.0, 5506.0, 5296.0, 5637.0, 5608.0, 5562.0, 5533.0, 5702.0, 5424.0, 5625.0, 5450.0, 5602.0, 5543.0, 5486.0, 5333.0, 5690.0, 5375.0, 5635.0, 5277.0, 5609.0, 5284.0, 5555.0, 5484.0, 5596.0, 5539.0, 5398.0, 5616.0, 5334.0, 5455.0, 5287.0, 5274.0, 5259.0, 5291.0, 5460.0, 5324.0, 5384.0, 5701.0, 5611.0, 5467.0, 5696.0, 5367.0, 5417.0, 5647.0, 5568.0, 5546.0, 5378.0, 5675.0, 5440.0, 5545.0, 5517.0, 5693.0, 5649.0, 5680.0, 5436.0, 5349.0, 5472.0, 5595.0, 5432.0, 5687.0, 5692.0, 5573.0, 5536.0, 5707.0 (number of hits: 5)
21	5500.0	9	1.0	333	1	5510.0, 5642.0, 5593.0, 5713.0, 5429.0, 5376.0, 5566.0, 5445.0, 5603.0, 5391.0, 5528.0, 5344.0, 5637.0, 5608.0, 5256.0, 5700.0, 5714.0, 5553.0, 5379.0, 5636.0, 5260.0, 5431.0, 5306.0, 5514.0, 5688.0, 5723.0, 5326.0, 5481.0, 5721.0, 5582.0, 5425.0, 5303.0, 5462.0, 5347.0, 5407.0, 5550.0, 5684.0, 5498.0, 5607.0, 5555.0, 5590.0, 5517.0, 5297.0, 5539.0, 5618.0, 5332.0, 5707.0, 5399.0, 5428.0, 5290.0, 5546.0, 5703.0, 5624.0, 5482.0, 5312.0, 5689.0, 5408.0, 5669.0, 5548.0, 5694.0, 5295.0, 5488.0, 5578.0, 5595.0, 5320.0, 5659.0, 5345.0, 5501.0, 5573.0, 5298.0, 5617.0, 5342.0, 5427.0, 5369.0, 5521.0, 5467.0, 5494.0, 5275.0, 5360.0, 5558.0, 5606.0, 5455.0, 5724.0, 5534.0, 5310.0, 5610.0, 5372.0, 5422.0, 5544.0, 5492.0, 5487.0, 5538.0, 5389.0, 5463.0, 5495.0, 5450.0, 5518.0, 5649.0, 5472.0, 5513.0 (number of hits: 5)
22	5500.0	9	1.0	333	1	5720.0, 5566.0, 5489.0, 5619.0, 5404.0, 5426.0, 5501.0, 5702.0, 5403.0, 5522.0, 5716.0, 5677.0, 5498.0, 5575.0, 5299.0, 5517.0, 5270.0, 5695.0, 5370.0, 5449.0, 5314.0, 5390.0, 5681.0, 5568.0, 5373.0, 5475.0, 5285.0, 5653.0, 5263.0, 5293.0, 5717.0, 5670.0, 5496.0, 5673.0, 5432.0,

						5687.0, 5707.0, 5612.0, 5709.0, 5529.0, 5415.0, 5323.0, 5441.0, 5411.0, 5644.0, 5480.0, 5253.0, 5591.0, 5618.0, 5307.0, 5622.0, 5377.0, 5414.0, 5254.0, 5513.0, 5450.0, 5544.0, 5549.0, 5589.0, 5463.0, 5601.0, 5689.0, 5317.0, 5439.0, 5371.0, 5331.0, 5684.0, 5657.0, 5380.0, 5706.0, 5350.0, 5710.0, 5600.0, 5412.0, 5502.0, 5519.0, 5651.0, 5474.0, 5645.0, 5590.0, 5298.0, 5550.0, 5715.0, 5452.0, 5623.0, 5435.0, 5349.0, 5634.0, 5524.0, 5444.0, 5347.0, 5469.0, 5341.0, 5387.0, 5473.0, 5389.0, 5705.0, 5617.0, 5456.0, 5454.0 (number of hits: 4)
23	5500.0	9	1.0	333	1	5350.0, 5448.0, 5499.0, 5636.0, 5493.0, 5545.0, 5475.0, 5438.0, 5405.0, 5367.0, 5570.0, 5631.0, 5614.0, 5640.0, 5616.0, 5622.0, 5703.0, 5657.0, 5556.0, 5653.0, 5492.0, 5708.0, 5288.0, 5637.0, 5286.0, 5307.0, 5323.0, 5289.0, 5329.0, 5510.0, 5467.0, 5552.0, 5515.0, 5349.0, 5414.0, 5569.0, 5561.0, 5391.0, 5470.0, 5512.0, 5266.0, 5594.0, 5422.0, 5521.0, 5446.0, 5489.0, 5412.0, 5550.0, 5324.0, 5318.0, 5420.0, 5530.0, 5538.0, 5468.0, 5522.0, 5697.0, 5437.0, 5620.0, 5336.0, 5472.0, 5610.0, 5579.0, 5321.0, 5501.0, 5710.0, 5453.0, 5365.0, 5276.0, 5575.0, 5285.0, 5656.0, 5335.0, 5447.0, 5407.0, 5711.0, 5293.0, 5628.0, 5554.0, 5553.0, 5440.0, 5587.0, 5486.0, 5685.0, 5341.0, 5355.0, 5406.0, 5609.0, 5629.0, 5458.0, 5543.0, 5254.0, 5396.0, 5694.0, 5652.0, 5280.0, 5409.0, 5363.0, 5451.0, 5371.0, 5260.0 (number of hits: 4)
24	5500.0	9	1.0	333	1	5653.0, 5399.0, 5433.0, 5564.0, 5709.0, 5623.0, 5403.0, 5369.0, 5479.0, 5352.0, 5647.0, 5383.0, 5571.0, 5356.0, 5611.0, 5455.0, 5474.0, 5499.0, 5268.0, 5483.0, 5338.0, 5494.0, 5262.0, 5317.0, 5715.0, 5327.0, 5529.0, 5267.0, 5376.0, 5471.0, 5501.0, 5598.0, 5644.0, 5698.0, 5678.0, 5410.0, 5257.0, 5541.0, 5359.0, 5425.0, 5517.0, 5254.0, 5560.0, 5386.0, 5306.0, 5617.0, 5315.0, 5691.0, 5342.0, 5628.0, 5549.0, 5667.0, 5430.0, 5441.0, 5524.0, 5252.0, 5614.0, 5305.0, 5557.0, 5464.0, 5357.0, 5490.0, 5265.0, 5696.0, 5432.0, 5278.0, 5422.0, 5669.0, 5481.0, 5300.0, 5465.0, 5658.0, 5551.0, 5487.0, 5554.0, 5661.0, 5677.0, 5324.0, 5660.0, 5264.0, 5604.0, 5413.0, 5485.0, 5308.0, 5452.0, 5708.0, 5583.0, 5504.0, 5457.0, 5572.0, 5643.0, 5559.0, 5273.0, 5421.0, 5316.0, 5497.0, 5329.0, 5380.0, 5607.0, 5547.0 (number of hits: 5)
25	5500.0	9	1.0	333	1	5489.0, 5454.0, 5277.0, 5301.0, 5296.0, 5383.0, 5694.0, 5529.0, 5391.0, 5543.0, 5457.0, 5605.0, 5294.0, 5486.0, 5501.0, 5374.0, 5412.0, 5267.0, 5474.0, 5583.0, 5464.0, 5717.0, 5637.0, 5585.0, 5549.0, 5631.0, 5281.0, 5527.0, 5665.0, 5507.0,

						5446.0, 5690.0, 5666.0, 5509.0, 5283.0, 5587.0, 5523.0, 5349.0, 5664.0, 5550.0, 5618.0, 5341.0, 5632.0, 5380.0, 5528.0, 5376.0, 5377.0, 5582.0, 5680.0, 5538.0, 5298.0, 5703.0, 5403.0, 5289.0, 5448.0, 5611.0, 5620.0, 5552.0, 5400.0, 5449.0, 5586.0, 5455.0, 5646.0, 5682.0, 5306.0, 5506.0, 5451.0, 5547.0, 5488.0, 5478.0, 5299.0, 5566.0, 5466.0, 5433.0, 5262.0, 5714.0, 5379.0, 5581.0, 5394.0, 5293.0, 5480.0, 5406.0, 5629.0, 5366.0, 5616.0, 5627.0, 5702.0, 5476.0, 5471.0, 5345.0, 5357.0, 5414.0, 5459.0, 5335.0, 5562.0, 5351.0, 5300.0, 5268.0, 5257.0, 5516.0 (number of hits: 3)
26	5500.0	9	1.0	333	1	5365.0, 5361.0, 5608.0, 5506.0, 5718.0, 5277.0, 5558.0, 5416.0, 5487.0, 5342.0, 5472.0, 5625.0, 5460.0, 5264.0, 5396.0, 5497.0, 5402.0, 5544.0, 5273.0, 5282.0, 5592.0, 5350.0, 5457.0, 5602.0, 5616.0, 5700.0, 5401.0, 5304.0, 5705.0, 5684.0, 5448.0, 5581.0, 5689.0, 5286.0, 5417.0, 5300.0, 5329.0, 5440.0, 5259.0, 5383.0, 5706.0, 5296.0, 5261.0, 5498.0, 5507.0, 5567.0, 5696.0, 5400.0, 5375.0, 5683.0, 5305.0, 5454.0, 5463.0, 5601.0, 5369.0, 5377.0, 5355.0, 5335.0, 5469.0, 5547.0, 5597.0, 5461.0, 5372.0, 5316.0, 5663.0, 5496.0, 5485.0, 5606.0, 5707.0, 5659.0, 5399.0, 5562.0, 5613.0, 5379.0, 5405.0, 5719.0, 5648.0, 5432.0, 5260.0, 5362.0, 5660.0, 5332.0, 5431.0, 5680.0, 5614.0, 5576.0, 5631.0, 5318.0, 5654.0, 5353.0, 5288.0, 5550.0, 5328.0, 5617.0, 5538.0, 5559.0, 5462.0, 5637.0, 5420.0, 5465.0 (number of hits: 5)
27	5500.0	9	1.0	333	1	5430.0, 5666.0, 5535.0, 5641.0, 5306.0, 5545.0, 5360.0, 5530.0, 5412.0, 5425.0, 5475.0, 5593.0, 5562.0, 5619.0, 5499.0, 5350.0, 5643.0, 5383.0, 5572.0, 5527.0, 5595.0, 5687.0, 5610.0, 5440.0, 5255.0, 5603.0, 5362.0, 5388.0, 5373.0, 5354.0, 5462.0, 5395.0, 5402.0, 5524.0, 5359.0, 5629.0, 5609.0, 5386.0, 5611.0, 5427.0, 5525.0, 5653.0, 5338.0, 5684.0, 5507.0, 5496.0, 5385.0, 5421.0, 5423.0, 5396.0, 5624.0, 5517.0, 5656.0, 5506.0, 5444.0, 5293.0, 5655.0, 5269.0, 5408.0, 5401.0, 5387.0, 5686.0, 5682.0, 5498.0, 5514.0, 5625.0, 5646.0, 5479.0, 5378.0, 5605.0, 5579.0, 5563.0, 5450.0, 5709.0, 5554.0, 5683.0, 5597.0, 5371.0, 5715.0, 5358.0, 5324.0, 5644.0, 5265.0, 5594.0, 5419.0, 5284.0, 5723.0, 5557.0, 5457.0, 5340.0, 5447.0, 5346.0, 5486.0, 5460.0, 5694.0, 5626.0, 5544.0, 5510.0, 5446.0, 5454.0 (number of hits: 5)
28	5500.0	9	1.0	333	1	5508.0, 5584.0, 5475.0, 5493.0, 5374.0, 5377.0, 5550.0, 5613.0, 5333.0, 5561.0, 5336.0, 5567.0, 5407.0, 5624.0, 5339.0, 5326.0, 5695.0, 5264.0, 5453.0, 5278.0, 5434.0, 5654.0, 5560.0, 5661.0, 5572.0,

						5622.0, 5719.0, 5620.0, 5685.0, 5346.0, 5533.0, 5663.0, 5415.0, 5425.0, 5393.0, 5577.0, 5547.0, 5337.0, 5311.0, 5619.0, 5317.0, 5416.0, 5545.0, 5440.0, 5691.0, 5443.0, 5464.0, 5615.0, 5539.0, 5296.0, 5556.0, 5549.0, 5496.0, 5413.0, 5363.0, 5707.0, 5290.0, 5438.0, 5350.0, 5447.0, 5505.0, 5302.0, 5353.0, 5266.0, 5605.0, 5639.0, 5552.0, 5597.0, 5594.0, 5384.0, 5694.0, 5479.0, 5465.0, 5335.0, 5459.0, 5344.0, 5283.0, 5609.0, 5626.0, 5484.0, 5648.0, 5554.0, 5679.0, 5722.0, 5497.0, 5417.0, 5638.0, 5268.0, 5406.0, 5688.0, 5635.0, 5301.0, 5489.0, 5498.0, 5262.0, 5581.0, 5588.0, 5499.0, 5515.0, 5460.0 (number of hits: 6)
29	5500.0	9	1.0	333	1	5306.0, 5392.0, 5708.0, 5620.0, 5475.0, 5274.0, 5504.0, 5403.0, 5598.0, 5579.0, 5625.0, 5694.0, 5623.0, 5568.0, 5523.0, 5398.0, 5500.0, 5721.0, 5647.0, 5277.0, 5442.0, 5472.0, 5334.0, 5583.0, 5578.0, 5439.0, 5255.0, 5404.0, 5563.0, 5626.0, 5604.0, 5650.0, 5581.0, 5616.0, 5270.0, 5402.0, 5346.0, 5552.0, 5631.0, 5494.0, 5484.0, 5521.0, 5679.0, 5605.0, 5684.0, 5525.0, 5538.0, 5572.0, 5428.0, 5324.0, 5524.0, 5533.0, 5516.0, 5609.0, 5512.0, 5474.0, 5586.0, 5459.0, 5302.0, 5592.0, 5357.0, 5469.0, 5480.0, 5298.0, 5291.0, 5675.0, 5485.0, 5663.0, 5681.0, 5554.0, 5624.0, 5271.0, 5264.0, 5464.0, 5601.0, 5467.0, 5319.0, 5272.0, 5383.0, 5314.0, 5537.0, 5635.0, 5560.0, 5513.0, 5347.0, 5587.0, 5297.0, 5611.0, 5612.0, 5703.0, 5305.0, 5591.0, 5669.0, 5629.0, 5447.0, 5329.0, 5299.0, 5661.0, 5435.0, 5613.0 (number of hits: 3)
30	5500.0	9	1.0	333	1	5718.0, 5397.0, 5265.0, 5342.0, 5608.0, 5532.0, 5401.0, 5552.0, 5701.0, 5518.0, 5621.0, 5662.0, 5493.0, 5347.0, 5704.0, 5632.0, 5475.0, 5719.0, 5272.0, 5451.0, 5481.0, 5338.0, 5425.0, 5495.0, 5570.0, 5687.0, 5421.0, 5333.0, 5384.0, 5454.0, 5553.0, 5419.0, 5649.0, 5449.0, 5491.0, 5439.0, 5430.0, 5266.0, 5513.0, 5660.0, 5605.0, 5599.0, 5326.0, 5330.0, 5571.0, 5352.0, 5470.0, 5368.0, 5685.0, 5589.0, 5437.0, 5500.0, 5550.0, 5386.0, 5456.0, 5435.0, 5611.0, 5398.0, 5509.0, 5405.0, 5354.0, 5362.0, 5396.0, 5268.0, 5536.0, 5301.0, 5431.0, 5541.0, 5675.0, 5260.0, 5348.0, 5473.0, 5505.0, 5631.0, 5602.0, 5684.0, 5596.0, 5485.0, 5465.0, 5626.0, 5361.0, 5565.0, 5458.0, 5256.0, 5676.0, 5410.0, 5699.0, 5447.0, 5317.0, 5583.0, 5479.0, 5538.0, 5358.0, 5371.0, 5380.0, 5276.0, 5340.0, 5356.0, 5587.0, 5353.0 (number of hits: 4)

Client Mode

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100.0 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	88.3 %	80%	Pass
Type 5	30	83.3 %	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	68	1.0	778	1
2	18	1.0	3066	1
3	86	1.0	618	1
4	74	1.0	718	1
5	61	1.0	878	1
6	72	1.0	738	1
7	83	1.0	638	1
8	62	1.0	858	1
9	59	1.0	898	1
10	81	1.0	658	1
11	57	1.0	938	1
12	95	1.0	558	1
13	67	1.0	798	1
14	63	1.0	838	1
15	92	1.0	578	1
16	32	1.0	1664	1
17	59	1.0	896	1
18	20	1.0	2745	1
19	21	1.0	2581	1
20	23	1.0	2311	1
21	22	1.0	2495	1
22	19	1.0	2864	1
23	59	1.0	900	1
24	34	1.0	1557	1
25	74	1.0	721	1
26	21	1.0	2545	1
27	33	1.0	1635	1
28	32	1.0	1688	1
29	28	1.0	1900	1
30	28	1.0	1921	1
Detection Percentage: 100.0% (>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	3.9	214	1
2	29	1.4	228	1
3	29	1.6	162	1
4	23	2.5	152	1
5	26	2.1	172	1
6	25	4.4	207	0
7	27	1.4	204	1
8	23	4.3	176	0
9	25	1.0	212	1
10	24	2.6	165	1
11	27	1.5	192	1
12	27	2.2	208	1
13	28	1.9	197	1
14	29	2.2	165	1
15	24	1.1	221	1
16	28	2.9	154	1
17	23	2.6	229	1
18	28	3.8	157	1
19	24	1.4	230	1
20	29	4.5	164	1
21	28	4.0	214	1
22	26	4.3	167	0
23	25	1.8	186	1
24	25	4.0	207	0
25	25	4.0	186	0
26	23	2.0	195	0
27	28	1.5	183	1
28	29	3.8	187	1
29	25	4.4	177	0
30	27	2.8	230	1
Detection Percentage: 76.7 % (>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	6.5	493	1
2	17	8.2	216	1
3	16	6.2	291	1
4	18	7.0	294	0
5	16	9.1	424	1
6	18	9.2	240	1
7	16	6.1	223	1
8	17	8.2	239	1
9	16	9.2	363	1
10	16	7.7	237	1
11	17	7.1	415	1
12	17	6.8	479	1
13	17	6.4	271	1
14	18	7.2	416	1
15	18	7.0	250	1
16	18	8.2	335	1
17	18	6.6	273	1
18	16	7.8	222	0
19	16	8.8	489	1
20	17	7.8	322	1
21	17	7.4	352	1
22	18	7.0	330	1
23	17	9.0	473	1
24	18	7.6	359	1
25	17	7.8	339	1
26	17	9.0	374	1
27	18	6.9	327	1
28	17	8.6	333	1
29	17	9.0	352	1
30	16	7.2	270	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	13	14.7	472	1
2	12	11.1	420	1
3	13	18.0	310	1
4	13	15.8	443	1
5	16	18.3	346	1
6	14	18.9	224	1
7	12	19.0	249	1
8	15	19.8	489	1
9	13	17.0	404	1
10	12	11.6	481	1
11	16	11.5	366	0
12	15	11.0	487	1
13	16	15.7	394	0
14	14	11.5	404	1
15	15	11.1	415	1
16	16	16.4	424	1
17	16	17.2	490	1
18	12	19.6	306	0
19	16	14.7	444	1
20	12	15.6	307	1
21	16	13.9	463	1
22	14	12.2	478	1
23	16	17.0	421	1
24	13	11.3	417	1
25	15	19.0	280	1
26	15	12.3	357	1
27	13	12.7	352	0
28	14	18.3	371	1
29	14	11.7	202	1
30	12	17.0	428	0
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	0
3	5510	1
4	5510	1
5	5510	0
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	0
11	5496.4	1
12	5495.2	1
13	5496.4	1
14	5494.0	1
15	5497.2	1
16	5494.8	1
17	5495.2	1
18	5495.2	1
19	5498.8	1
20	5496.8	0
21	5524.8	1
22	5522.0	1
23	5524.8	1
24	5525.2	1
25	5522.8	1
26	5520.8	1
27	5522.8	1
28	5526.0	1
29	5520.8	0
30	5520.8	1
Detection Percentage: 83.3 % (>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	16	76.7	1394	1395	0.829963	1
1	2	16	94.6	1971		1.926714	
2	2	16	90.7	1683		2.118021	
3	1	16	56.5			3.891606	
4	1	16	95.4			4.441343	
5	2	16	71.5	1972		5.124596	
6	1	16	88.2			6.234184	
7	2	16	68.8	1213		7.622600	
8	2	16	81.8	1593		8.820689	
9	3	16	98.7	1170	1700	9.478826	
10	3	16	73.4	1337	1244	10.931648	
11	3	16	88.7	1605	1107	11.002986	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	84.7	1058	1005	0.277683	0
1	2	13	92.3	1406		1.179274	
2	2	13	86.2	1701		1.468175	
3	1	13	70.8			2.020998	
4	3	13	77.1	1549	1699	2.654250	
5	1	13	96.2			3.493731	
6	2	13	57.8	1004		3.751757	
7	2	13	63.2	1480		4.606635	
8	1	13	54.3			5.226190	
9	3	13	65.5	1045	1316	5.854345	
10	2	13	98.3	1106		6.077318	
11	1	13	57.5			6.964797	
12	2	13	98.6	1432		7.746246	
13	1	13	68.5			7.978766	
14	3	13	63.1	1624	1184	8.513275	
15	3	13	51.1	1876	1186	9.188004	
16	2	13	83.9	1475		9.688641	
17	3	13	70.1	1816	1098	10.503726	
18	1	13	78.6			11.219955	
19	2	13	85.2	1252		11.709293	

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	73.0	1396	1455	0.086482	
1	2	11	74.2	1034		1.140054	
2	2	11	61.5	1153		2.315640	
3	3	11	50.0	1829	1612	3.313935	
4	1	11	50.2			4.784781	
5	3	11	88.1	1078	1698	6.254030	1
6	2	11	85.1	1487		7.063418	
7	1	11	88.5			8.344826	
8	1	11	79.0			9.372441	
9	2	11	65.6	1128		10.266894	
10	3	11	84.5	1769	1621	11.117790	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	86.2	1220	1239	0.046139	
1	2	9	78.3	1103		2.470506	
2	2	9	55.8	1003		3.926555	
3	2	9	89.2	1010		4.274792	
4	2	9	61.6	1135		6.213238	1
5	1	9	96.0			6.730943	
6	3	9	54.2	1161	1648	8.177263	
7	2	9	56.0	1279		10.593444	
8	1	9	57.2			11.434084	

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	10	73.7	1198		0.914150	0
1	1	10	86.6			1.300103	
2	1	10	95.0			2.777830	
3	2	10	68.1	1060		4.285521	
4	2	10	88.6	1995		5.781706	
5	3	10	78.3	1747	1350	6.015711	
6	2	10	99.0	1893		7.786457	
7	3	10	55.9	1165	1892	9.546755	
8	2	10	87.0	1584		9.655633	
9	3	10	57.9	1101	1044	11.125579	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	83.9	1699	1815	0.676760	1
1	1	6	83.1			1.284875	
2	2	6	75.4	1005		1.729582	
3	2	6	57.0	1869		2.869332	
4	1	6	58.3			3.800644	
5	1	6	73.7			4.707211	
6	2	6	86.4	1877		5.339842	
7	3	6	68.4	1196	1321	5.727717	
8	3	6	89.1	1776	1259	7.165397	
9	2	6	84.1	1863		7.644573	
10	3	6	81.7	1003	1794	8.594747	
11	3	6	89.9	1941	1569	9.361890	
12	1	6	84.3			9.962070	
13	2	6	79.4	1991		11.083448	
14	1	6	99.6			11.436413	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	69.6	1730		0.229349	1
1	3	11	65.9	1497	1599	2.610670	
2	2	11	99.6	1655		3.181333	
3	1	11	74.3			4.763304	
4	3	11	84.1	1404	1763	5.585713	
5	3	11	63.5	1095	1927	7.958532	
6	2	11	83.1	1996		8.041149	
7	1	11	79.8			10.005005	
8	3	11	87.9	1010	1980	11.499740	

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	68.1	1091		0.754842	1
1	3	15	89.7	1151	1194	1.781440	
2	2	15	81.5	1648		2.760638	
3	2	15	51.7	1986		4.173209	
4	2	15	54.9	1683		5.865717	
5	2	15	68.5	1413		6.832749	
6	3	15	79.3	1941	1649	8.352361	
7	1	15	73.9			8.891832	
8	2	15	84.0	1172		10.129368	
9	2	15	61.2	1353		10.968030	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	98.4			1.036351	1
1	3	12	91.5	1019	1251	1.691484	
2	2	12	58.1	1300		2.836392	
3	3	12	62.8	1765	1909	3.802974	
4	1	12	77.9			5.211055	
5	1	12	65.3			5.782449	
6	1	12	69.8			7.137657	
7	2	12	55.8	1413		8.178244	
8	1	12	95.7			8.997726	
9	1	12	85.6			10.256131	
10	3	12	75.4	1248	1337	11.641532	

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	65.5	1388		0.198300	0
1	3	8	97.4	1011	1193	2.305601	
2	2	8	55.3	1459		2.736061	
3	1	8	82.1			4.257031	
4	3	8	85.1	1060	1806	5.652586	
5	2	8	98.5	1748		6.764952	
6	3	8	85.1	1123	1706	8.371722	
7	3	8	86.6	1570	1251	8.740896	
8	2	8	79.4	1567		9.866050	
9	1	8	50.8			11.976345	

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	12	75.4	1364		0.566812	
1	2	12	97.7	1663		0.793200	
2	2	12	56.8	1074		1.417749	
3	2	12	94.1	1009		2.177153	
4	2	12	73.6	1172		3.018257	
5	2	12	73.5	1314		3.387623	
6	2	12	56.3	1808		4.178000	
7	1	12	51.5			4.911156	
8	3	12	69.4	1138	1483	5.548044	
9	2	12	82.3	1327		6.034771	1
10	2	12	98.3	1870		6.584751	
11	3	12	54.7	1802	1403	7.428639	
12	3	12	89.0	1483	1321	7.703099	
13	3	12	70.0	1923	1897	8.527590	
14	2	12	50.0	1661		8.974857	
15	2	12	99.2	1803		9.803002	
16	1	12	95.4			10.586998	
17	3	12	65.2	1466	1891	10.937458	
18	2	12	87.7	1880		11.687436	

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	9	92.2	1534		0.490057	
1	1	9	82.6			1.530734	
2	1	9	75.6			2.421019	
3	2	9	99.1	1588		3.208550	
4	3	9	91.3	1969	1445	4.040236	
5	1	9	87.6			4.721976	
6	2	9	83.8	1686		5.859766	1
7	3	9	98.9	1237	1145	6.779838	
8	2	9	51.0	1796		7.675918	
9	3	9	57.4	1134	1698	9.028113	
10	3	9	90.9	1723	1773	9.697631	
11	3	9	55.0	1554	1741	10.906670	
12	1	9	57.9			11.908675	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	50.4			0.885915	1
1	2	12	55.1	1233		1.893402	
2	2	12	76.8	1294		3.709107	
3	2	12	85.2	1540		5.075092	
4	1	12	59.8			6.311872	
5	1	12	92.2			7.917750	
6	2	12	51.3	1537		8.626962	
7	1	12	52.8			9.610223	
8	2	12	58.4	1385		11.113900	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	66.6	1543		0.274477	1
1	2	6	95.4	1142		1.737000	
2	2	6	72.2	1754		2.631900	
3	2	6	60.4	1728		3.501262	
4	2	6	69.2	1919		5.351362	
5	3	6	72.6	1694	1685	6.375894	
6	2	6	82.0	1043		6.568683	
7	3	6	94.5	1051	1088	8.668933	
8	2	6	95.6	1791		9.015613	
9	2	6	53.8	1212		10.221456	
10	2	6	52.2	1237		11.564592	

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	14	79.9	1277		0.299696	
1	2	14	62.2	1525		0.686998	
2	2	14	87.9	1015		1.391651	
3	1	14	74.1			2.102605	
4	2	14	75.7	1163		2.632465	
5	1	14	80.7			3.558283	
6	3	14	66.4	1362	1188	4.329959	
7	2	14	77.5	1444		4.879022	
8	3	14	51.4	1683	1555	5.249911	
9	2	14	98.4	1308		6.156029	1
10	2	14	62.8	1103		6.897545	
11	2	14	63.0	1212		7.292735	
12	3	14	78.9	1817	1357	7.778816	
13	1	14	71.1			8.779011	
14	2	14	71.2	1648		9.283924	
15	1	14	51.6			9.684994	
16	2	14	74.3	1514		10.453873	
17	2	14	91.5	1502		11.055124	
18	2	14	51.7	1130		11.802047	

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	8	61.3	1848	1686	0.180847	
1	2	8	93.0	1714		0.814131	
2	3	8	95.9	1107	1411	1.918665	
3	1	8	58.3			2.595404	
4	2	8	87.2	1619		3.072876	
5	3	8	66.9	1075	1005	3.699031	
6	1	8	96.3			4.934227	
7	2	8	96.2	1755		5.152973	
8	2	8	59.5	1312		6.253341	1
9	3	8	94.0	1383	1058	6.617583	
10	2	8	60.4	1183		7.269512	
11	3	8	81.6	1043	1451	8.007159	
12	2	8	74.1	1538		8.982926	
13	3	8	76.7	1903	1007	9.796868	
14	2	8	95.1	1690		10.042849	
15	1	8	71.7			10.651079	
16	2	8	54.0	1610		11.627252	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	91.3	1274		0.571103	1
1	2	9	99.8	1967		1.637142	
2	2	9	65.5	1379		2.306595	
3	2	9	74.5	1943		2.941546	
4	2	9	85.9	1629		3.984525	
5	3	9	59.8	1535	1606	5.051451	
6	3	9	59.7	1316	1682	5.602167	
7	3	9	54.3	1114	1844	6.227600	
8	2	9	55.8	1669		7.153662	
9	2	9	93.2	1963		8.287335	
10	3	9	82.3	1862	1294	9.029015	
11	1	9	96.9			9.497288	
12	2	9	91.2	1062		10.392490	
13	2	9	85.8	1714		11.955725	

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	9	75.1	1634	1633	0.483897	1
1	2	9	51.1	1753		1.102442	
2	1	9	63.4			1.457666	
3	2	9	84.2	1865		2.328755	
4	3	9	80.7	1929	1143	3.062802	
5	1	9	84.3			3.642497	
6	1	9	50.2			4.493472	
7	1	9	74.3			5.117673	
8	3	9	79.3	1600	1085	5.821419	
9	2	9	70.5	1638		6.364804	
10	3	9	73.2	1229	1819	6.769945	
11	2	9	93.0	1001		7.485729	
12	2	9	63.2	1744		8.315446	
13	1	9	81.8			8.746080	
14	3	9	57.9	1995	1467	9.953495	
15	2	9	87.4	1843		10.631262	
16	2	9	82.4	1308		11.013309	
17	2	9	60.4	1291		11.611818	

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	18	55.2	1610		0.340727	
1	2	18	53.0	1961		0.769897	
2	2	18	82.3	1136		1.554948	
3	2	18	71.5	1750		2.329772	
4	2	18	85.3	1274		2.637641	
5	3	18	70.5	1495	1204	3.688338	
6	2	18	92.2	1194		3.836920	
7	2	18	89.8	1108		4.760375	
8	2	18	99.7	1509		5.506772	
9	2	18	82.9	1488		5.793173	1
10	2	18	89.5	1095		6.517867	
11	3	18	87.3	1975	1761	6.958963	
12	2	18	96.1	1353		8.052806	
13	1	18	73.4			8.315484	
14	2	18	79.6	1825		8.883945	
15	2	18	73.2	1669		9.573572	
16	3	18	67.9	1793	1590	10.471690	
17	2	18	79.2	1226		11.328957	
18	1	18	59.9			11.470906	

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	74.0	1742		0.707293	
1	2	13	88.4	1803		1.521326	
2	2	13	88.9	1769		2.727555	
3	3	13	79.2	1108	1396	3.530642	
4	2	13	50.8	1200		5.336035	
5	3	13	94.8	1537	1855	5.780225	0
6	2	13	78.3	1803		6.694903	
7	1	13	78.5			7.698871	
8	3	13	86.4	1658	1057	9.618337	
9	3	13	58.1	1898	1403	10.881867	
10	1	13	94.8			11.946395	

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	9	75.6	1832		0.097699	1
1	1	9	68.7			2.163642	
2	2	9	69.7	1345		4.362276	
3	3	9	82.0	1138	1500	4.827855	
4	2	9	67.6	1884		7.185807	
5	2	9	61.2	1293		8.622781	
6	1	9	77.8			9.289318	
7	3	9	61.7	1234	1523	10.618443	

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	16	86.9	1891		0.695616	1
1	2	16	78.2	1395		0.967920	
2	3	16	59.1	1203	1646	1.926297	
3	1	16	58.8			2.859503	
4	2	16	50.9	1641		3.622496	
5	1	16	81.4			4.187071	
6	3	16	77.0	1383	1815	5.159951	
7	1	16	93.1			5.488352	
8	1	16	63.4			6.382664	
9	2	16	96.9	1954		7.267411	
10	2	16	50.4	1675		7.790664	
11	3	16	99.4	1085	1270	8.553204	
12	3	16	53.2	1231	1502	9.733556	
13	3	16	98.5	1553	1008	9.986949	
14	2	16	84.7	1875		11.077497	
15	3	16	63.1	1708	1728	11.532070	

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	9	84.1	1443		0.173448	1
1	2	9	56.4	1596		1.266438	
2	2	9	83.9	1365		1.530802	
3	3	9	74.3	1226	1033	2.426016	
4	1	9	74.3			3.138593	
5	3	9	85.3	1038	1673	3.723947	
6	1	9	63.8			4.330477	
7	2	9	61.1	1489		4.863726	
8	1	9	65.5			5.853078	
9	2	9	86.7	1643		6.127338	
10	3	9	72.4	1632	1132	7.213586	
11	2	9	51.1	1885		7.448093	
12	3	9	74.7	1334	1674	8.316261	
13	2	9	74.4	1550		8.905237	
14	1	9	58.9			9.487173	
15	2	9	51.0	1879		10.596979	
16	3	9	75.8	1038	1654	11.203664	
17	3	9	92.7	1623	1505	11.973967	

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	8	98.3			0.295951	1
1	1	8	68.3			1.235730	
2	3	8	72.2	1778	1204	1.710813	
3	3	8	58.0	1153	1002	2.555448	
4	3	8	86.9	1200	1925	3.206745	
5	2	8	88.1	1588		4.239832	
6	2	8	80.4	1959		4.895510	
7	3	8	88.9	1964	1168	5.872308	
8	2	8	60.4	1536		6.697949	
9	2	8	65.0	1484		6.960846	
10	2	8	56.9	1006		8.157765	
11	3	8	71.1	1391	1568	8.436473	
12	2	8	84.0	1881		9.508208	
13	2	8	81.9	1991		10.046255	
14	1	8	70.3			11.118145	
15	2	8	83.7	1120		11.740221	

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	14	63.8	1779		0.117675	
1	1	14	71.5			1.656007	
2	2	14	62.8	1494		1.899079	
3	2	14	88.6	1402		3.142748	
4	2	14	74.1	1693		4.065341	
5	2	14	99.0	1630		4.633130	
6	3	14	76.3	1674	1194	6.133525	1
7	1	14	72.2			6.960295	
8	1	14	50.2			7.739979	
9	2	14	61.3	1325		8.739813	
10	2	14	87.4	1062		9.878765	
11	3	14	87.6	1681	1853	10.715068	
12	3	14	98.3	1989	1138	11.775966	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	83.8	1490		0.404406	
1	3	19	68.6	1584	1149	1.077384	
2	3	19	56.3	1743	1355	1.712069	
3	1	19	51.3			1.946395	
4	2	19	69.7	1828		2.946530	
5	3	19	93.8	1751	1550	3.205506	
6	1	19	98.2			3.936147	
7	3	19	83.1	1098	1832	4.852559	
8	1	19	60.1			5.403897	
9	1	19	92.5			5.907895	1
10	2	19	57.1	1535		6.850345	
11	2	19	63.7	1769		7.548202	
12	2	19	77.6	1289		7.601698	
13	2	19	91.5	1090		8.324092	
14	2	19	76.3	1927		9.235882	
15	2	19	58.8	1957		10.077860	
16	1	19	86.6			10.530977	
17	2	19	60.4	1495		10.791245	
18	2	19	73.1	1713		11.857181	

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	99.3	1130	1474	0.650220	1
1	2	14	64.0	1263		1.245163	
2	2	14	67.0	1963		1.714603	
3	1	14	53.6			2.469244	
4	3	14	70.3	1949	1281	3.130037	
5	2	14	76.9	1335		3.874612	
6	2	14	83.5	1437		4.824838	
7	3	14	83.4	1048	1383	5.496055	
8	2	14	72.0	1901		6.285459	
9	1	14	96.4			7.440197	
10	2	14	57.0	1447		7.602444	
11	1	14	95.7			8.556887	
12	3	14	61.9	1092	1903	9.566001	
13	1	14	81.5			9.895987	
14	1	14	98.8			10.821733	
15	2	14	86.2	1971		11.838447	

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	60.1	1698	1200	0.905448	1
1	3	6	71.5	1839	1862	1.091996	
2	2	6	78.7	1424		2.639566	
3	2	6	51.1	1624		2.992446	
4	3	6	95.5	1268	1156	4.106302	
5	1	6	96.7			4.829333	
6	1	6	90.7			5.745021	
7	3	6	94.1	1934	1565	7.237218	
8	1	6	75.9			7.676810	
9	2	6	87.0	1532		8.813829	
10	2	6	52.2	1484		9.397152	
11	3	6	68.8	1080	1487	10.931849	
12	3	6	75.5	1195	1558	11.949213	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	63.0			0.806004	0
1	1	19	62.1			1.442078	
2	1	19	74.0			2.820760	
3	3	19	56.5	1026	1070	3.638986	
4	2	19	71.1	1635		4.959347	
5	1	19	61.4			6.468863	
6	2	19	96.5	1424		7.948559	
7	2	19	59.4	1343		9.469061	
8	1	19	62.6			10.130844	
9	2	19	57.3	1343		11.064541	

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	19	52.7	1813		0.684131	1
1	2	19	90.8	1742		1.583036	
2	2	19	60.5	1172		1.724942	
3	1	19	50.4			2.913460	
4	3	19	69.6	1760	1213	3.814367	
5	2	19	84.3	1367		4.750214	
6	2	19	56.3	1888		5.168306	
7	1	19	86.7			6.061048	
8	1	19	96.3			7.531634	
9	2	19	50.1	1850		8.092520	
10	1	19	71.1			8.660431	
11	1	19	60.7			9.633096	
12	2	19	60.4	1263		10.865749	
13	1	19	77.1			11.332297	

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	5279.0, 5466.0, 5614.0, 5580.0, 5708.0, 5339.0, 5687.0, 5686.0, 5657.0, 5640.0, 5383.0, 5277.0, 5366.0, 5628.0, 5276.0, 5263.0, 5274.0, 5445.0, 5299.0, 5296.0, 5609.0, 5610.0, 5604.0, 5362.0, 5321.0, 5711.0, 5410.0, 5575.0, 5439.0, 5721.0, 5699.0, 5511.0, 5542.0, 5417.0, 5311.0, 5585.0, 5314.0, 5365.0, 5496.0, 5569.0, 5630.0, 5443.0, 5421.0, 5667.0, 5401.0, 5660.0, 5462.0, 5588.0, 5359.0, 5420.0, 5662.0, 5452.0, 5327.0, 5565.0, 5643.0, 5298.0, 5599.0, 5576.0, 5573.0, 5413.0, 5552.0, 5649.0, 5504.0, 5566.0, 5541.0, 5460.0, 5286.0, 5455.0, 5612.0, 5718.0, 5364.0, 5497.0, 5476.0, 5700.0, 5380.0, 5378.0, 5419.0, 5547.0, 5509.0, 5267.0, 5506.0, 5487.0, 5622.0, 5625.0, 5354.0, 5534.0, 5633.0, 5458.0, 5641.0, 5330.0, 5521.0, 5653.0, 5345.0, 5676.0, 5463.0, 5661.0, 5502.0, 5672.0, 5482.0, 5690.0 (number of hits: 8)
2	5510.0	9	1.0	333	1	5688.0, 5683.0, 5588.0, 5716.0, 5333.0, 5443.0, 5283.0, 5506.0, 5449.0, 5496.0, 5260.0, 5427.0, 5354.0, 5491.0, 5267.0, 5445.0, 5288.0, 5508.0, 5325.0, 5461.0, 5671.0, 5366.0, 5672.0, 5452.0, 5307.0, 5692.0, 5368.0, 5619.0, 5573.0, 5579.0, 5272.0, 5548.0, 5646.0, 5605.0, 5321.0, 5558.0, 5563.0, 5372.0, 5583.0, 5686.0, 5599.0, 5343.0, 5437.0, 5471.0, 5305.0, 5360.0, 5403.0, 5402.0, 5516.0, 5454.0, 5292.0, 5527.0, 5502.0, 5504.0, 5608.0, 5536.0, 5262.0, 5531.0, 5450.0, 5620.0, 5691.0, 5486.0, 5695.0, 5545.0, 5337.0, 5392.0, 5259.0, 5539.0, 5680.0, 5344.0, 5630.0, 5464.0, 5277.0, 5431.0, 5652.0, 5704.0, 5523.0, 5495.0, 5613.0, 5657.0, 5575.0, 5626.0, 5375.0, 5355.0, 5380.0, 5459.0, 5528.0, 5722.0, 5638.0, 5713.0, 5436.0, 5584.0, 5439.0, 5629.0, 5690.0, 5387.0, 5647.0, 5650.0, 5298.0, 5353.0 (number of hits: 9)
3	5510.0	9	1.0	333	1	5518.0, 5631.0, 5328.0, 5383.0, 5714.0, 5305.0, 5718.0, 5539.0, 5567.0, 5355.0, 5573.0, 5614.0, 5352.0, 5688.0, 5388.0, 5703.0, 5399.0, 5587.0, 5282.0, 5696.0, 5542.0, 5400.0, 5659.0, 5623.0, 5535.0, 5366.0, 5473.0, 5562.0, 5490.0, 5676.0, 5706.0, 5552.0, 5345.0, 5361.0, 5411.0, 5428.0, 5673.0, 5359.0, 5300.0, 5565.0, 5643.0, 5635.0, 5252.0, 5723.0, 5405.0, 5314.0, 5593.0, 5707.0, 5640.0, 5509.0, 5690.0, 5335.0, 5555.0, 5255.0, 5348.0, 5594.0, 5306.0, 5466.0, 5507.0, 5326.0, 5712.0, 5437.0, 5360.0, 5607.0, 5426.0, 5418.0, 5385.0, 5350.0, 5430.0, 5257.0, 5611.0, 5302.0, 5438.0, 5470.0, 5250.0, 5333.0, 5462.0, 5375.0, 5349.0, 5574.0, 5337.0, 5445.0, 5451.0, 5298.0, 5363.0, 5577.0, 5704.0, 5661.0, 5506.0, 5379.0, 5371.0, 5441.0, 5498.0, 5663.0, 5561.0, 5290.0, 5395.0, 5313.0, 5459.0, 5699.0 (number of hits: 5)
4	5510.0	9	1.0	333	1	5259.0, 5361.0, 5415.0, 5610.0, 5612.0, 5261.0, 5393.0, 5648.0, 5293.0, 5300.0, 5691.0, 5358.0, 5447.0, 5372.0, 5723.0, 5352.0, 5356.0, 5295.0, 5640.0, 5678.0, 5275.0, 5443.0, 5686.0, 5652.0, 5633.0, 5665.0, 5589.0, 5357.0, 5428.0, 5308.0, 5395.0, 5390.0, 5647.0, 5262.0, 5492.0, 5476.0, 5455.0, 5517.0, 5627.0, 5315.0, 5398.0, 5266.0, 5527.0, 5614.0, 5457.0, 5339.0, 5530.0, 5385.0, 5463.0, 5446.0, 5495.0, 5651.0, 5679.0, 5349.0, 5653.0, 5549.0, 5498.0, 5347.0, 5405.0, 5542.0, 5616.0, 5277.0, 5510.0, 5540.0, 5374.0, 5379.0, 5469.0, 5466.0, 5269.0, 5344.0,

						5535.0, 5403.0, 5550.0, 5435.0, 5709.0, 5267.0, 5416.0, 5668.0, 5689.0, 5333.0, 5449.0, 5503.0, 5603.0, 5713.0, 5318.0, 5445.0, 5684.0, 5314.0, 5468.0, 5583.0, 5253.0, 5371.0, 5631.0, 5458.0, 5534.0, 5564.0, 5722.0, 5375.0, 5483.0, 5516.0 (number of hits: 8)
5	5510.0	9	1.0	333	1	5721.0, 5683.0, 5289.0, 5313.0, 5251.0, 5656.0, 5513.0, 5661.0, 5386.0, 5309.0, 5380.0, 5446.0, 5619.0, 5492.0, 5381.0, 5459.0, 5306.0, 5441.0, 5621.0, 5473.0, 5257.0, 5482.0, 5379.0, 5516.0, 5558.0, 5336.0, 5394.0, 5410.0, 5297.0, 5314.0, 5511.0, 5431.0, 5603.0, 5520.0, 5537.0, 5709.0, 5254.0, 5691.0, 5646.0, 5307.0, 5694.0, 5299.0, 5639.0, 5292.0, 5385.0, 5540.0, 5478.0, 5711.0, 5275.0, 5283.0, 5654.0, 5563.0, 5331.0, 5705.0, 5447.0, 5507.0, 5539.0, 5406.0, 5454.0, 5636.0, 5461.0, 5610.0, 5477.0, 5587.0, 5655.0, 5622.0, 5632.0, 5333.0, 5345.0, 5506.0, 5595.0, 5659.0, 5637.0, 5358.0, 5403.0, 5677.0, 5302.0, 5321.0, 5465.0, 5669.0, 5271.0, 5534.0, 5270.0, 5401.0, 5652.0, 5456.0, 5462.0, 5559.0, 5412.0, 5640.0, 5484.0, 5405.0, 5485.0, 5578.0, 5390.0, 5597.0, 5378.0, 5320.0, 5698.0, 5718.0 (number of hits: 7)
6	5510.0	9	1.0	333	1	5715.0, 5675.0, 5475.0, 5566.0, 5403.0, 5717.0, 5396.0, 5514.0, 5503.0, 5453.0, 5543.0, 5260.0, 5428.0, 5508.0, 5577.0, 5385.0, 5550.0, 5358.0, 5372.0, 5274.0, 5282.0, 5343.0, 5542.0, 5701.0, 5368.0, 5634.0, 5524.0, 5439.0, 5302.0, 5562.0, 5699.0, 5268.0, 5612.0, 5559.0, 5695.0, 5639.0, 5694.0, 5339.0, 5327.0, 5587.0, 5272.0, 5597.0, 5407.0, 5538.0, 5388.0, 5654.0, 5647.0, 5563.0, 5463.0, 5434.0, 5602.0, 5301.0, 5628.0, 5616.0, 5502.0, 5329.0, 5630.0, 5526.0, 5578.0, 5608.0, 5534.0, 5677.0, 5278.0, 5410.0, 5474.0, 5565.0, 5680.0, 5316.0, 5408.0, 5349.0, 5693.0, 5595.0, 5594.0, 5599.0, 5470.0, 5401.0, 5286.0, 5468.0, 5330.0, 5552.0, 5496.0, 5300.0, 5255.0, 5333.0, 5623.0, 5265.0, 5437.0, 5357.0, 5546.0, 5585.0, 5464.0, 5303.0, 5361.0, 5646.0, 5661.0, 5581.0, 5588.0, 5315.0, 5462.0, 5631.0 (number of hits: 7)
7	5510.0	9	1.0	333	1	5350.0, 5655.0, 5647.0, 5378.0, 5377.0, 5554.0, 5389.0, 5278.0, 5518.0, 5339.0, 5368.0, 5711.0, 5486.0, 5456.0, 5298.0, 5600.0, 5346.0, 5626.0, 5658.0, 5426.0, 5445.0, 5660.0, 5585.0, 5558.0, 5593.0, 5567.0, 5704.0, 5472.0, 5584.0, 5540.0, 5562.0, 5362.0, 5709.0, 5489.0, 5283.0, 5717.0, 5439.0, 5599.0, 5289.0, 5382.0, 5601.0, 5512.0, 5349.0, 5317.0, 5274.0, 5586.0, 5710.0, 5370.0, 5398.0, 5532.0, 5482.0, 5447.0, 5571.0, 5351.0, 5544.0, 5468.0, 5466.0, 5407.0, 5693.0, 5690.0, 5670.0, 5428.0, 5607.0, 5589.0, 5390.0, 5438.0, 5284.0, 5459.0, 5507.0, 5535.0, 5506.0, 5412.0, 5312.0, 5615.0, 5617.0, 5596.0, 5623.0, 5508.0, 5306.0, 5638.0, 5580.0, 5493.0, 5631.0, 5433.0, 5657.0, 5477.0, 5606.0, 5386.0, 5523.0, 5432.0, 5591.0, 5516.0, 5294.0, 5299.0, 5352.0, 5682.0, 5636.0, 5707.0, 5322.0, 5565.0 (number of hits: 8)
8	5510.0	9	1.0	333	1	5420.0, 5385.0, 5531.0, 5281.0, 5715.0, 5407.0, 5707.0, 5486.0, 5336.0, 5632.0, 5656.0, 5685.0, 5641.0, 5638.0, 5429.0, 5631.0, 5722.0, 5343.0, 5415.0, 5498.0, 5536.0, 5565.0, 5494.0, 5425.0, 5660.0, 5300.0, 5411.0, 5661.0, 5511.0, 5430.0, 5377.0, 5274.0, 5572.0, 5653.0, 5615.0, 5500.0, 5398.0, 5477.0, 5403.0, 5314.0, 5350.0, 5335.0, 5265.0, 5271.0, 5392.0, 5563.0, 5383.0, 5552.0, 5698.0, 5495.0, 5652.0, 5417.0, 5484.0, 5611.0, 5649.0, 5299.0, 5367.0, 5456.0, 5502.0, 5354.0, 5440.0, 5359.0, 5341.0, 5706.0, 5431.0, 5384.0, 5566.0, 5629.0, 5576.0, 5269.0, 5521.0, 5459.0, 5709.0, 5466.0, 5518.0, 5457.0, 5557.0, 5609.0, 5381.0, 5378.0, 5718.0, 5366.0, 5562.0, 5316.0,

						5550.0, 5578.0, 5468.0, 5554.0, 5614.0, 5547.0, 5604.0, 5647.0, 5720.0, 5410.0, 5270.0, 5266.0, 5676.0, 5628.0, 5333.0, 5448.0 (number of hits: 8)
9	5510.0	9	1.0	333	1	5333.0, 5611.0, 5316.0, 5355.0, 5548.0, 5318.0, 5255.0, 5402.0, 5346.0, 5545.0, 5259.0, 5631.0, 5414.0, 5702.0, 5684.0, 5469.0, 5463.0, 5566.0, 5405.0, 5280.0, 5407.0, 5404.0, 5271.0, 5380.0, 5429.0, 5456.0, 5462.0, 5419.0, 5556.0, 5687.0, 5638.0, 5681.0, 5550.0, 5607.0, 5665.0, 5426.0, 5323.0, 5650.0, 5465.0, 5279.0, 5653.0, 5277.0, 5260.0, 5608.0, 5421.0, 5613.0, 5652.0, 5350.0, 5623.0, 5581.0, 5412.0, 5457.0, 5535.0, 5264.0, 5676.0, 5697.0, 5437.0, 5377.0, 5675.0, 5706.0, 5688.0, 5378.0, 5422.0, 5723.0, 5270.0, 5321.0, 5468.0, 5282.0, 5553.0, 5525.0, 5622.0, 5361.0, 5680.0, 5326.0, 5451.0, 5656.0, 5712.0, 5524.0, 5428.0, 5551.0, 5352.0, 5590.0, 5530.0, 5309.0, 5368.0, 5347.0, 5475.0, 5682.0, 5483.0, 5666.0, 5334.0, 5374.0, 5514.0, 5430.0, 5287.0, 5494.0, 5320.0, 5433.0, 5486.0, 5348.0 (number of hits: 4)
10	5510.0	9	1.0	333	1	5268.0, 5705.0, 5626.0, 5385.0, 5623.0, 5430.0, 5302.0, 5613.0, 5260.0, 5259.0, 5447.0, 5557.0, 5274.0, 5428.0, 5619.0, 5660.0, 5321.0, 5313.0, 5525.0, 5412.0, 5679.0, 5552.0, 5502.0, 5524.0, 5328.0, 5396.0, 5573.0, 5531.0, 5278.0, 5527.0, 5540.0, 5716.0, 5251.0, 5355.0, 5622.0, 5309.0, 5353.0, 5426.0, 5393.0, 5303.0, 5568.0, 5676.0, 5663.0, 5369.0, 5539.0, 5644.0, 5637.0, 5643.0, 5594.0, 5289.0, 5564.0, 5597.0, 5708.0, 5577.0, 5422.0, 5685.0, 5532.0, 5711.0, 5513.0, 5306.0, 5429.0, 5681.0, 5460.0, 5435.0, 5498.0, 5354.0, 5404.0, 5505.0, 5701.0, 5661.0, 5649.0, 5556.0, 5480.0, 5381.0, 5574.0, 5300.0, 5717.0, 5364.0, 5294.0, 5684.0, 5485.0, 5463.0, 5362.0, 5664.0, 5281.0, 5391.0, 5543.0, 5698.0, 5589.0, 5350.0, 5575.0, 5452.0, 5263.0, 5602.0, 5723.0, 5719.0, 5715.0, 5688.0, 5641.0, 5256.0 (number of hits: 7
11	5510.0	9	1.0	333	1	5358.0, 5650.0, 5527.0, 5638.0, 5487.0, 5369.0, 5454.0, 5603.0, 5472.0, 5645.0, 5604.0, 5419.0, 5333.0, 5496.0, 5355.0, 5446.0, 5510.0, 5462.0, 5256.0, 5393.0, 5654.0, 5719.0, 5436.0, 5272.0, 5539.0, 5401.0, 5295.0, 5362.0, 5653.0, 5646.0, 5651.0, 5640.0, 5443.0, 5661.0, 5258.0, 5365.0, 5327.0, 5530.0, 5657.0, 5397.0, 5668.0, 5544.0, 5564.0, 5410.0, 5264.0, 5581.0, 5382.0, 5449.0, 5536.0, 5317.0, 5413.0, 5506.0, 5424.0, 5542.0, 5553.0, 5684.0, 5702.0, 5391.0, 5302.0, 5304.0, 5330.0, 5455.0, 5395.0, 5439.0, 5460.0, 5444.0, 5432.0, 5343.0, 5552.0, 5390.0, 5488.0, 5720.0, 5556.0, 5380.0, 5574.0, 5334.0, 5665.0, 5421.0, 5708.0, 5412.0, 5447.0, 5687.0, 5714.0, 5621.0, 5511.0, 5705.0, 5383.0, 5641.0, 5277.0, 5554.0, 5547.0, 5405.0, 5540.0, 5265.0, 5647.0, 5347.0, 5481.0, 5652.0, 5428.0, 5483.0 (number of hits: 5)
12	5510.0	9	1.0	333	1	5591.0, 5661.0, 5408.0, 5587.0, 5716.0, 5530.0, 5631.0, 5397.0, 5694.0, 5417.0, 5313.0, 5502.0, 5509.0, 5299.0, 5677.0, 5410.0, 5619.0, 5303.0, 5708.0, 5555.0, 5465.0, 5254.0, 5286.0, 5316.0, 5315.0, 5714.0, 5571.0, 5482.0, 5437.0, 5486.0, 5522.0, 5281.0, 5706.0, 5568.0, 5416.0, 5685.0, 5505.0, 5618.0, 5707.0, 5531.0, 5479.0, 5576.0, 5391.0, 5646.0, 5463.0, 5317.0, 5251.0, 5339.0, 5551.0, 5592.0, 5615.0, 5541.0, 5364.0, 5634.0, 5358.0, 5627.0, 5659.0, 5405.0, 5302.0, 5689.0, 5409.0, 5356.0, 5556.0, 5376.0, 5665.0, 5705.0, 5586.0, 5695.0, 5418.0, 5469.0, 5259.0, 5371.0, 5363.0, 5483.0, 5684.0, 5338.0, 5466.0, 5713.0, 5331.0, 5300.0, 5617.0, 5456.0, 5629.0, 5396.0, 5419.0, 5445.0, 5672.0, 5566.0, 5542.0, 5600.0, 5411.0, 5559.0, 5452.0, 5348.0, 5554.0, 5515.0, 5404.0, 5284.0,

						5402.0, 5641.0 (number of hits: 5)
13	5510.0	9	1.0	333	1	5516.0, 5567.0, 5377.0, 5596.0, 5473.0, 5361.0, 5464.0, 5646.0, 5403.0, 5276.0, 5467.0, 5279.0, 5476.0, 5340.0, 5613.0, 5620.0, 5656.0, 5376.0, 5383.0, 5270.0, 5543.0, 5630.0, 5599.0, 5446.0, 5319.0, 5314.0, 5296.0, 5510.0, 5689.0, 5559.0, 5277.0, 5318.0, 5474.0, 5710.0, 5484.0, 5315.0, 5541.0, 5505.0, 5537.0, 5286.0, 5498.0, 5350.0, 5275.0, 5519.0, 5637.0, 5680.0, 5451.0, 5528.0, 5352.0, 5569.0, 5520.0, 5527.0, 5564.0, 5572.0, 5305.0, 5542.0, 5605.0, 5659.0, 5696.0, 5404.0, 5544.0, 5591.0, 5700.0, 5722.0, 5417.0, 5272.0, 5518.0, 5342.0, 5254.0, 5396.0, 5661.0, 5686.0, 5436.0, 5583.0, 5677.0, 5274.0, 5607.0, 5289.0, 5398.0, 5501.0, 5265.0, 5300.0, 5420.0, 5642.0, 5711.0, 5702.0, 5526.0, 5397.0, 5566.0, 5372.0, 5513.0, 5387.0, 5502.0, 5672.0, 5264.0, 5488.0, 5457.0, 5546.0, 5648.0, 5266.0 (number of hits: 12)
14	5510.0	9	1.0	333	1	5324.0, 5601.0, 5366.0, 5672.0, 5473.0, 5624.0, 5329.0, 5489.0, 5420.0, 5377.0, 5492.0, 5560.0, 5478.0, 5679.0, 5347.0, 5604.0, 5379.0, 5467.0, 5462.0, 5389.0, 5516.0, 5402.0, 5506.0, 5380.0, 5411.0, 5689.0, 5307.0, 5413.0, 5337.0, 5512.0, 5498.0, 5503.0, 5405.0, 5254.0, 5367.0, 5351.0, 5463.0, 5468.0, 5475.0, 5396.0, 5508.0, 5527.0, 5511.0, 5346.0, 5704.0, 5287.0, 5276.0, 5289.0, 5669.0, 5305.0, 5482.0, 5588.0, 5675.0, 5442.0, 5273.0, 5687.0, 5655.0, 5602.0, 5315.0, 5266.0, 5427.0, 5495.0, 5312.0, 5558.0, 5698.0, 5566.0, 5570.0, 5344.0, 5510.0, 5325.0, 5617.0, 5609.0, 5445.0, 5370.0, 5383.0, 5547.0, 5409.0, 5550.0, 5438.0, 5306.0, 5577.0, 5319.0, 5677.0, 5283.0, 5267.0, 5517.0, 5663.0, 5658.0, 5282.0, 5653.0, 5374.0, 5403.0, 5548.0, 5421.0, 5519.0, 5318.0, 5480.0, 5363.0, 5453.0, 5686.0 (number of hits: 13)
15	5510.0	9	1.0	333	1	5363.0, 5448.0, 5610.0, 5641.0, 5336.0, 5637.0, 5677.0, 5353.0, 5707.0, 5414.0, 5598.0, 5296.0, 5374.0, 5283.0, 5351.0, 5303.0, 5425.0, 5312.0, 5256.0, 5501.0, 5649.0, 5462.0, 5675.0, 5412.0, 5368.0, 5683.0, 5273.0, 5354.0, 5404.0, 5421.0, 5629.0, 5332.0, 5472.0, 5348.0, 5344.0, 5689.0, 5658.0, 5646.0, 5491.0, 5633.0, 5364.0, 5272.0, 5607.0, 5701.0, 5575.0, 5635.0, 5308.0, 5288.0, 5489.0, 5611.0, 5526.0, 5547.0, 5295.0, 5337.0, 5690.0, 5356.0, 5318.0, 5266.0, 5275.0, 5300.0, 5503.0, 5496.0, 5329.0, 5505.0, 5372.0, 5420.0, 5313.0, 5338.0, 5269.0, 5418.0, 5710.0, 5255.0, 5286.0, 5267.0, 5442.0, 5487.0, 5498.0, 5349.0, 5574.0, 5307.0, 5642.0, 5573.0, 5481.0, 5358.0, 5717.0, 5617.0, 5643.0, 5270.0, 5676.0, 5553.0, 5595.0, 5619.0, 5509.0, 5558.0, 5289.0, 5538.0, 5554.0, 5436.0, 5537.0, 5393.0 (number of hits: 7)
16	5510.0	9	1.0	333	1	5610.0, 5643.0, 5326.0, 5601.0, 5615.0, 5510.0, 5263.0, 5709.0, 5530.0, 5336.0, 5694.0, 5494.0, 5566.0, 5679.0, 5502.0, 5640.0, 5371.0, 5455.0, 5291.0, 5718.0, 5434.0, 5636.0, 5272.0, 5338.0, 5720.0, 5394.0, 5602.0, 5436.0, 5554.0, 5480.0, 5613.0, 5423.0, 5700.0, 5451.0, 5466.0, 5543.0, 5310.0, 5402.0, 5339.0, 5460.0, 5429.0, 5393.0, 5684.0, 5376.0, 5372.0, 5555.0, 5467.0, 5706.0, 5662.0, 5685.0, 5252.0, 5482.0, 5531.0, 5446.0, 5321.0, 5529.0, 5624.0, 5552.0, 5689.0, 5332.0, 5253.0, 5426.0, 5567.0, 5671.0, 5335.0, 5421.0, 5498.0, 5441.0, 5345.0, 5273.0, 5311.0, 5526.0, 5585.0, 5714.0, 5608.0, 5667.0, 5622.0, 5404.0, 5284.0, 5703.0, 5508.0, 5424.0, 5592.0, 5562.0, 5313.0, 5470.0, 5696.0, 5449.0, 5705.0, 5425.0, 5427.0,

						5654.0, 5411.0, 5437.0, 5511.0, 5548.0, 5719.0, 5532.0, 5573.0, 5476.0 (number of hits: 7)
17	5510.0	9	1.0	333	1	5369.0, 5585.0, 5662.0, 5541.0, 5297.0, 5683.0, 5411.0, 5576.0, 5323.0, 5395.0, 5440.0, 5675.0, 5480.0, 5336.0, 5316.0, 5305.0, 5361.0, 5537.0, 5635.0, 5509.0, 5562.0, 5481.0, 5464.0, 5340.0, 5358.0, 5443.0, 5353.0, 5324.0, 5657.0, 5618.0, 5584.0, 5691.0, 5514.0, 5310.0, 5329.0, 5615.0, 5495.0, 5474.0, 5377.0, 5529.0, 5275.0, 5350.0, 5459.0, 5586.0, 5531.0, 5572.0, 5346.0, 5256.0, 5575.0, 5284.0, 5552.0, 5579.0, 5293.0, 5593.0, 5444.0, 5494.0, 5294.0, 5614.0, 5290.0, 5598.0, 5314.0, 5387.0, 5327.0, 5276.0, 5261.0, 5581.0, 5704.0, 5485.0, 5653.0, 5701.0, 5286.0, 5646.0, 5306.0, 5486.0, 5410.0, 5355.0, 5332.0, 5674.0, 5719.0, 5454.0, 5520.0, 5605.0, 5354.0, 5320.0, 5473.0, 5710.0, 5639.0, 5412.0, 5259.0, 5595.0, 5490.0, 5600.0, 5449.0, 5445.0, 5539.0, 5592.0, 5680.0, 5498.0, 5587.0, 5420.0 (number of hits: 6)
18	5510.0	9	1.0	333	1	5488.0, 5607.0, 5342.0, 5584.0, 5562.0, 5614.0, 5404.0, 5325.0, 5465.0, 5632.0, 5628.0, 5558.0, 5681.0, 5432.0, 5505.0, 5588.0, 5679.0, 5286.0, 5638.0, 5533.0, 5524.0, 5706.0, 5308.0, 5470.0, 5335.0, 5315.0, 5460.0, 5324.0, 5698.0, 5377.0, 5519.0, 5617.0, 5431.0, 5391.0, 5382.0, 5354.0, 5253.0, 5318.0, 5689.0, 5686.0, 5521.0, 5433.0, 5589.0, 5383.0, 5475.0, 5307.0, 5374.0, 5573.0, 5603.0, 5594.0, 5561.0, 5723.0, 5263.0, 5453.0, 5633.0, 5469.0, 5571.0, 5567.0, 5682.0, 5687.0, 5575.0, 5334.0, 5428.0, 5283.0, 5261.0, 5620.0, 5580.0, 5641.0, 5299.0, 5693.0, 5595.0, 5330.0, 5467.0, 5492.0, 5448.0, 5349.0, 5717.0, 5427.0, 5459.0, 5550.0, 5514.0, 5716.0, 5376.0, 5572.0, 5369.0, 5592.0, 5251.0, 5390.0, 5508.0, 5527.0, 5406.0, 5703.0, 5430.0, 5260.0, 5396.0, 5643.0, 5310.0, 5338.0, 5306.0, 5530.0 (number of hits: 8)
19	5510.0	9	1.0	333	1	5260.0, 5689.0, 5272.0, 5512.0, 5711.0, 5363.0, 5430.0, 5655.0, 5692.0, 5543.0, 5304.0, 5414.0, 5332.0, 5416.0, 5722.0, 5565.0, 5688.0, 5491.0, 5580.0, 5528.0, 5527.0, 5636.0, 5634.0, 5686.0, 5526.0, 5574.0, 5618.0, 5374.0, 5707.0, 5666.0, 5401.0, 5522.0, 5396.0, 5705.0, 5566.0, 5395.0, 5516.0, 5523.0, 5449.0, 5586.0, 5567.0, 5665.0, 5283.0, 5596.0, 5322.0, 5630.0, 5453.0, 5678.0, 5581.0, 5385.0, 5350.0, 5443.0, 5675.0, 5658.0, 5419.0, 5577.0, 5463.0, 5507.0, 5673.0, 5603.0, 5451.0, 5645.0, 5627.0, 5330.0, 5501.0, 5476.0, 5259.0, 5303.0, 5698.0, 5425.0, 5559.0, 5394.0, 5582.0, 5465.0, 5368.0, 5298.0, 5324.0, 5619.0, 5270.0, 5458.0, 5353.0, 5509.0, 5723.0, 5320.0, 5278.0, 5423.0, 5301.0, 5372.0, 5382.0, 5676.0, 5614.0, 5584.0, 5284.0, 5371.0, 5457.0, 5269.0, 5623.0, 5690.0, 5514.0, 5671.0 (number of hits: 10)
20	5510.0	9	1.0	333	1	5543.0, 5461.0, 5655.0, 5343.0, 5516.0, 5375.0, 5492.0, 5447.0, 5499.0, 5672.0, 5396.0, 5694.0, 5711.0, 5635.0, 5440.0, 5290.0, 5418.0, 5404.0, 5504.0, 5355.0, 5713.0, 5314.0, 5689.0, 5679.0, 5322.0, 5650.0, 5313.0, 5319.0, 5560.0, 5401.0, 5432.0, 5633.0, 5462.0, 5559.0, 5280.0, 5575.0, 5309.0, 5620.0, 5501.0, 5380.0, 5431.0, 5581.0, 5645.0, 5524.0, 5312.0, 5324.0, 5696.0, 5674.0, 5478.0, 5686.0, 5390.0, 5318.0, 5590.0, 5508.0, 5258.0, 5364.0, 5302.0, 5439.0, 5695.0, 5274.0, 5374.0, 5676.0, 5664.0, 5341.0, 5611.0, 5385.0, 5589.0, 5495.0, 5540.0, 5269.0, 5472.0, 5389.0, 5377.0, 5328.0, 5720.0, 5607.0, 5522.0, 5331.0, 5705.0, 5534.0, 5621.0, 5599.0, 5250.0, 5529.0, 5419.0, 5723.0, 5578.0, 5640.0, 5279.0, 5702.0, 5356.0, 5474.0, 5577.0, 5487.0, 5550.0, 5517.0, 5405.0, 5586.0, 5407.0, 5628.0 (number of hits: 10)

21	5510.0	9	1.0	333	1	5654.0, 5513.0, 5543.0, 5598.0, 5253.0, 5486.0, 5405.0, 5294.0, 5713.0, 5393.0, 5604.0, 5308.0, 5538.0, 5529.0, 5504.0, 5375.0, 5495.0, 5344.0, 5473.0, 5709.0, 5579.0, 5672.0, 5346.0, 5551.0, 5427.0, 5292.0, 5676.0, 5377.0, 5387.0, 5456.0, 5407.0, 5507.0, 5478.0, 5262.0, 5699.0, 5266.0, 5464.0, 5336.0, 5435.0, 5457.0, 5368.0, 5450.0, 5588.0, 5446.0, 5402.0, 5396.0, 5522.0, 5634.0, 5542.0, 5652.0, 5322.0, 5673.0, 5601.0, 5313.0, 5261.0, 5724.0, 5608.0, 5287.0, 5536.0, 5406.0, 5462.0, 5527.0, 5532.0, 5264.0, 5357.0, 5252.0, 5620.0, 5648.0, 5441.0, 5351.0, 5564.0, 5470.0, 5503.0, 5318.0, 5626.0, 5600.0, 5347.0, 5358.0, 5339.0, 5537.0, 5589.0, 5282.0, 5397.0, 5508.0, 5643.0, 5518.0, 5342.0, 5577.0, 5707.0, 5485.0, 5311.0, 5569.0, 5502.0, 5389.0, 5379.0, 5452.0, 5586.0, 5315.0, 5444.0, 5642.0 (number of hits: 10)
22	5510.0	9	1.0	333	1	5431.0, 5335.0, 5649.0, 5531.0, 5677.0, 5543.0, 5547.0, 5295.0, 5660.0, 5491.0, 5697.0, 5403.0, 5613.0, 5448.0, 5704.0, 5318.0, 5285.0, 5478.0, 5699.0, 5389.0, 5446.0, 5378.0, 5326.0, 5265.0, 5304.0, 5505.0, 5687.0, 5338.0, 5375.0, 5413.0, 5291.0, 5577.0, 5421.0, 5689.0, 5392.0, 5537.0, 5617.0, 5380.0, 5592.0, 5452.0, 5711.0, 5665.0, 5572.0, 5400.0, 5462.0, 5671.0, 5499.0, 5463.0, 5408.0, 5579.0, 5641.0, 5581.0, 5372.0, 5585.0, 5523.0, 5316.0, 5343.0, 5262.0, 5656.0, 5382.0, 5594.0, 5436.0, 5394.0, 5549.0, 5666.0, 5664.0, 5648.0, 5584.0, 5708.0, 5345.0, 5655.0, 5560.0, 5352.0, 5419.0, 5402.0, 5334.0, 5562.0, 5545.0, 5368.0, 5298.0, 5709.0, 5447.0, 5681.0, 5324.0, 5296.0, 5388.0, 5519.0, 5705.0, 5542.0, 5453.0, 5366.0, 5302.0, 5433.0, 5303.0, 5509.0, 5487.0, 5328.0, 5719.0, 5632.0, 5578.0 (number of hits: 5)
23	5510.0	9	1.0	333	1	5531.0, 5503.0, 5496.0, 5647.0, 5373.0, 5291.0, 5714.0, 5414.0, 5305.0, 5565.0, 5691.0, 5297.0, 5330.0, 5662.0, 5339.0, 5485.0, 5703.0, 5288.0, 5474.0, 5637.0, 5476.0, 5493.0, 5595.0, 5337.0, 5505.0, 5324.0, 5463.0, 5490.0, 5285.0, 5362.0, 5576.0, 5606.0, 5369.0, 5375.0, 5326.0, 5344.0, 5555.0, 5506.0, 5354.0, 5334.0, 5527.0, 5530.0, 5633.0, 5269.0, 5567.0, 5602.0, 5374.0, 5566.0, 5270.0, 5394.0, 5676.0, 5626.0, 5273.0, 5484.0, 5364.0, 5537.0, 5272.0, 5260.0, 5525.0, 5392.0, 5489.0, 5694.0, 5252.0, 5444.0, 5516.0, 5454.0, 5486.0, 5553.0, 5625.0, 5705.0, 5523.0, 5635.0, 5365.0, 5277.0, 5589.0, 5360.0, 5303.0, 5479.0, 5379.0, 5543.0, 5307.0, 5631.0, 5295.0, 5376.0, 5548.0, 5678.0, 5586.0, 5680.0, 5588.0, 5673.0, 5397.0, 5367.0, 5718.0, 5551.0, 5400.0, 5256.0, 5301.0, 5507.0, 5461.0, 5338.0 (number of hits: 10)
24	5510.0	9	1.0	333	1	5431.0, 5258.0, 5355.0, 5306.0, 5476.0, 5412.0, 5535.0, 5335.0, 5718.0, 5707.0, 5585.0, 5711.0, 5417.0, 5518.0, 5653.0, 5621.0, 5377.0, 5366.0, 5279.0, 5478.0, 5459.0, 5485.0, 5542.0, 5424.0, 5326.0, 5630.0, 5556.0, 5606.0, 5640.0, 5315.0, 5302.0, 5632.0, 5301.0, 5334.0, 5419.0, 5427.0, 5309.0, 5465.0, 5418.0, 5272.0, 5532.0, 5492.0, 5598.0, 5680.0, 5620.0, 5691.0, 5486.0, 5438.0, 5671.0, 5307.0, 5705.0, 5625.0, 5475.0, 5723.0, 5599.0, 5588.0, 5703.0, 5285.0, 5482.0, 5686.0, 5527.0, 5589.0, 5349.0, 5603.0, 5712.0, 5639.0, 5623.0, 5259.0, 5682.0, 5587.0, 5487.0, 5287.0, 5460.0, 5666.0, 5516.0, 5573.0, 5351.0, 5706.0, 5552.0, 5286.0, 5353.0, 5696.0, 5363.0, 5548.0, 5519.0, 5270.0, 5555.0, 5321.0, 5382.0, 5469.0, 5416.0, 5260.0, 5544.0, 5722.0, 5636.0, 5627.0, 5656.0, 5690.0, 5435.0, 5624.0 (number of hits: 5)
25	5510.0	9	1.0	333	1	5306.0, 5506.0, 5392.0, 5349.0, 5396.0, 5559.0, 5308.0, 5289.0, 5293.0, 5501.0, 5715.0, 5466.0, 5360.0, 5484.0,

						5459.0, 5402.0, 5288.0, 5395.0, 5416.0, 5709.0, 5317.0, 5626.0, 5504.0, 5516.0, 5637.0, 5704.0, 5677.0, 5256.0, 5681.0, 5662.0, 5592.0, 5353.0, 5367.0, 5711.0, 5322.0, 5382.0, 5548.0, 5387.0, 5386.0, 5313.0, 5329.0, 5676.0, 5525.0, 5438.0, 5621.0, 5481.0, 5550.0, 5526.0, 5467.0, 5574.0, 5401.0, 5707.0, 5545.0, 5547.0, 5319.0, 5269.0, 5703.0, 5449.0, 5628.0, 5527.0, 5363.0, 5331.0, 5436.0, 5409.0, 5573.0, 5443.0, 5724.0, 5318.0, 5502.0, 5266.0, 5373.0, 5274.0, 5394.0, 5260.0, 5591.0, 5327.0, 5623.0, 5379.0, 5602.0, 5421.0, 5346.0, 5571.0, 5275.0, 5453.0, 5371.0, 5338.0, 5496.0, 5384.0, 5594.0, 5615.0, 5307.0, 5538.0, 5608.0, 5651.0, 5583.0, 5452.0, 5468.0, 5694.0, 5572.0, 5265.0 (number of hits: 9)
26	5510.0	9	1.0	333	1	5699.0, 5574.0, 5419.0, 5463.0, 5284.0, 5563.0, 5642.0, 5412.0, 5330.0, 5556.0, 5498.0, 5344.0, 5411.0, 5505.0, 5623.0, 5640.0, 5697.0, 5438.0, 5393.0, 5628.0, 5703.0, 5683.0, 5569.0, 5717.0, 5705.0, 5379.0, 5660.0, 5386.0, 5536.0, 5457.0, 5445.0, 5591.0, 5383.0, 5522.0, 5652.0, 5434.0, 5680.0, 5594.0, 5601.0, 5665.0, 5638.0, 5565.0, 5712.0, 5328.0, 5649.0, 5312.0, 5441.0, 5503.0, 5331.0, 5260.0, 5416.0, 5633.0, 5253.0, 5572.0, 5428.0, 5675.0, 5487.0, 5578.0, 5320.0, 5626.0, 5358.0, 5342.0, 5686.0, 5462.0, 5306.0, 5280.0, 5597.0, 5366.0, 5497.0, 5290.0, 5692.0, 5283.0, 5362.0, 5390.0, 5367.0, 5671.0, 5582.0, 5452.0, 5689.0, 5302.0, 5606.0, 5323.0, 5541.0, 5714.0, 5287.0, 5278.0, 5464.0, 5558.0, 5524.0, 5589.0, 5673.0, 5476.0, 5681.0, 5650.0, 5716.0, 5460.0, 5521.0, 5340.0, 5609.0, 5586.0 (number of hits: 7)
27	5510.0	9	1.0	333	1	5523.0, 5716.0, 5483.0, 5657.0, 5596.0, 5310.0, 5424.0, 5268.0, 5637.0, 5679.0, 5562.0, 5375.0, 5382.0, 5504.0, 5520.0, 5405.0, 5604.0, 5363.0, 5397.0, 5396.0, 5640.0, 5676.0, 5256.0, 5549.0, 5650.0, 5335.0, 5714.0, 5500.0, 5259.0, 5533.0, 5592.0, 5476.0, 5348.0, 5402.0, 5404.0, 5292.0, 5359.0, 5547.0, 5582.0, 5322.0, 5526.0, 5376.0, 5707.0, 5518.0, 5488.0, 5594.0, 5307.0, 5503.0, 5627.0, 5663.0, 5591.0, 5535.0, 5305.0, 5403.0, 5724.0, 5677.0, 5708.0, 5575.0, 5422.0, 5563.0, 5585.0, 5680.0, 5438.0, 5432.0, 5723.0, 5254.0, 5398.0, 5661.0, 5300.0, 5447.0, 5313.0, 5343.0, 5505.0, 5718.0, 5643.0, 5624.0, 5421.0, 5487.0, 5270.0, 5444.0, 5361.0, 5493.0, 5507.0, 5517.0, 5357.0, 5462.0, 5325.0, 5571.0, 5456.0, 5315.0, 5600.0, 5490.0, 5389.0, 5568.0, 5537.0, 5460.0, 5629.0, 5683.0, 5252.0, 5685.0 (number of hits: 11)
28	5510.0	9	1.0	333	1	5651.0, 5695.0, 5371.0, 5451.0, 5390.0, 5322.0, 5455.0, 5637.0, 5656.0, 5311.0, 5436.0, 5315.0, 5399.0, 5665.0, 5373.0, 5405.0, 5560.0, 5313.0, 5659.0, 5319.0, 5467.0, 5337.0, 5539.0, 5581.0, 5276.0, 5335.0, 5602.0, 5505.0, 5690.0, 5669.0, 5257.0, 5591.0, 5407.0, 5349.0, 5402.0, 5425.0, 5422.0, 5367.0, 5497.0, 5491.0, 5406.0, 5327.0, 5444.0, 5638.0, 5715.0, 5270.0, 5700.0, 5258.0, 5252.0, 5531.0, 5294.0, 5281.0, 5481.0, 5657.0, 5522.0, 5279.0, 5661.0, 5606.0, 5582.0, 5266.0, 5719.0, 5644.0, 5351.0, 5457.0, 5370.0, 5693.0, 5687.0, 5459.0, 5453.0, 5382.0, 5255.0, 5681.0, 5622.0, 5429.0, 5596.0, 5707.0, 5666.0, 5556.0, 5306.0, 5320.0, 5309.0, 5355.0, 5516.0, 5254.0, 5324.0, 5366.0, 5386.0, 5484.0, 5292.0, 5310.0, 5410.0, 5611.0, 5464.0, 5431.0, 5532.0, 5650.0, 5545.0, 5291.0, 5615.0, 5477.0 (number of hits: 4)
29	5510.0	9	1.0	333	1	5665.0, 5552.0, 5287.0, 5714.0, 5505.0, 5257.0, 5361.0, 5529.0, 5683.0, 5579.0, 5549.0, 5569.0, 5395.0, 5641.0, 5426.0, 5498.0, 5680.0, 5610.0, 5513.0, 5723.0, 5514.0, 5326.0, 5259.0, 5332.0, 5484.0, 5698.0, 5661.0, 5452.0,

						5274.0, 5474.0, 5647.0, 5627.0, 5497.0, 5412.0, 5530.0, 5436.0, 5512.0, 5304.0, 5462.0, 5622.0, 5671.0, 5523.0, 5312.0, 5663.0, 5466.0, 5286.0, 5616.0, 5305.0, 5662.0, 5689.0, 5293.0, 5675.0, 5593.0, 5306.0, 5372.0, 5373.0, 5621.0, 5545.0, 5333.0, 5595.0, 5658.0, 5602.0, 5460.0, 5348.0, 5410.0, 5353.0, 5283.0, 5643.0, 5568.0, 5544.0, 5265.0, 5489.0, 5546.0, 5309.0, 5457.0, 5282.0, 5605.0, 5307.0, 5252.0, 5669.0, 5375.0, 5289.0, 5509.0, 5607.0, 5619.0, 5271.0, 5502.0, 5656.0, 5461.0, 5432.0, 5266.0, 5360.0, 5592.0, 5281.0, 5313.0, 5681.0, 5390.0, 5710.0, 5550.0, 5533.0 (number of hits: 9)
30	5510.0	9	1.0	333	1	5378.0, 5398.0, 5290.0, 5408.0, 5469.0, 5615.0, 5390.0, 5478.0, 5689.0, 5464.0, 5479.0, 5582.0, 5296.0, 5320.0, 5344.0, 5482.0, 5555.0, 5675.0, 5313.0, 5686.0, 5324.0, 5303.0, 5387.0, 5438.0, 5491.0, 5544.0, 5359.0, 5705.0, 5281.0, 5262.0, 5256.0, 5520.0, 5499.0, 5486.0, 5687.0, 5653.0, 5339.0, 5321.0, 5717.0, 5681.0, 5419.0, 5305.0, 5548.0, 5507.0, 5489.0, 5674.0, 5590.0, 5435.0, 5547.0, 5611.0, 5412.0, 5404.0, 5543.0, 5288.0, 5273.0, 5362.0, 5294.0, 5614.0, 5411.0, 5269.0, 5455.0, 5293.0, 5574.0, 5334.0, 5330.0, 5437.0, 5255.0, 5625.0, 5353.0, 5286.0, 5392.0, 5620.0, 5599.0, 5657.0, 5332.0, 5668.0, 5712.0, 5677.0, 5710.0, 5559.0, 5516.0, 5637.0, 5470.0, 5699.0, 5261.0, 5578.0, 5260.0, 5680.0, 5467.0, 5417.0, 5425.0, 5285.0, 5400.0, 5346.0, 5631.0, 5700.0, 5594.0, 5295.0, 5451.0, 5319.0 (number of hits: 4)

Auto Mode

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	88.3 %	80%	Pass
Type 5	30	90 %	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	78	1.0	678	1
2	72	1.0	738	1
3	67	1.0	798	1
4	81	1.0	658	1
5	59	1.0	898	1
6	83	1.0	638	1
7	58	1.0	918	1
8	99	1.0	538	1
9	68	1.0	778	1
10	63	1.0	838	1
11	65	1.0	818	1
12	61	1.0	878	1
13	70	1.0	758	1
14	62	1.0	858	1
15	76	1.0	698	1
16	21	1.0	2578	1
17	20	1.0	2690	1
18	53	1.0	1009	1
19	18	1.0	3042	1
20	86	1.0	620	1
21	21	1.0	2581	1
22	28	1.0	1905	1
23	57	1.0	931	1
24	19	1.0	2834	1
25	36	1.0	1480	1
26	38	1.0	1425	1
27	53	1.0	1003	1
28	54	1.0	983	1
29	29	1.0	1832	1
30	75	1.0	708	1
Detection Percentage: 100 % (>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	2.8	201	1
2	23	3.1	197	1
3	28	2.2	165	1
4	27	2.4	193	1
5	27	3.7	177	1
6	28	2.7	223	1
7	25	1.3	215	1
8	23	2.5	200	1
9	24	1.4	164	1
10	23	4.8	209	1
11	24	4.6	204	0
12	24	3.9	185	1
13	29	2.8	220	1
14	24	3.2	179	1
15	24	3.0	162	1
16	23	4.5	224	1
17	24	2.9	194	0
18	27	2.3	208	1
19	27	3.0	213	1
20	26	4.0	163	1
21	25	3.0	223	1
22	28	1.6	164	1
23	25	2.2	229	1
24	29	2.4	181	1
25	25	2.3	179	0
26	28	2.8	165	1
27	28	3.8	212	1
28	28	4.3	198	0
29	26	1.3	181	0
30	24	4.6	225	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	7.7	237	1
2	16	8.6	359	1
3	17	7.3	314	1
4	18	7.6	225	1
5	16	8.0	410	1
6	16	10.0	444	1
7	18	6.3	368	1
8	18	9.3	362	0
9	16	8.1	264	1
10	16	8.9	377	1
11	18	8.5	242	1
12	16	7.8	252	1
13	16	7.6	260	1
14	17	8.2	412	1
15	18	10.0	348	1
16	16	8.0	498	1
17	17	8.1	213	1
18	16	9.1	456	1
19	17	6.8	221	1
20	17	6.7	434	1
21	16	8.2	395	1
22	18	8.2	370	0
23	16	9.7	249	1
24	18	6.0	404	1
25	18	6.7	419	1
26	16	9.3	308	1
27	16	7.4	273	1
28	17	6.6	284	1
29	18	9.5	465	1
30	17	6.0	269	1
Detection Percentage: 93.3 % (>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	12.4	347	1
2	15	17.8	336	0
3	14	14.8	472	0
4	16	18.4	481	1
5	16	14.9	249	1
6	16	14.0	433	0
7	16	16.1	286	1
8	14	19.3	204	1
9	12	18.4	387	1
10	12	14.0	288	0
11	16	12.4	373	1
12	14	13.4	470	1
13	14	15.7	261	1
14	16	12.0	328	1
15	15	15.7	267	1
16	15	15.1	241	1
17	14	19.1	379	1
18	14	17.8	411	1
19	15	12.3	302	1
20	12	19.6	456	0
21	12	15.9	327	1
22	14	13.6	395	1
23	15	16.4	414	1
24	15	16.8	445	1
25	16	14.7	222	1
26	16	19.6	341	0
27	12	19.4	319	1
28	14	14.0	426	1
29	13	14.0	309	0
30	12	13.7	414	1
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	0
10	5500	1
11	5497.4	1
12	5496.6	1
13	5494.6	1
14	5499.0	1
15	5496.6	1
16	5497.0	1
17	5494.6	1
18	5497.8	1
19	5495.4	1
20	5497.4	1
21	5504.6	1
22	5502.2	0
23	5502.2	1
24	5507.0	1
25	5501.4	1
26	5501.8	0
27	5501.8	1
28	5504.2	1
29	5505.0	1
30	5501.8	1
Detection Percentage: 90 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	81.7	1809		0.045201	1
1	3	13	95.0	1887	1975	1.004156	
2	2	13	76.6	1867		2.080242	
3	2	13	52.0	1180		2.537613	
4	2	13	50.9	1875		3.451354	
5	2	13	53.7	1125		4.187004	
6	1	13	81.9			5.040416	
7	2	13	67.9	1993		5.834142	
8	2	13	82.6	1824		7.194264	
9	3	13	96.1	1192	1492	7.881813	
10	1	13	57.4			8.245031	
11	1	13	97.7			8.848440	
12	2	13	75.2	1019		10.383599	
13	3	13	70.8	1698	1740	10.772035	
14	1	13	76.3			11.776170	

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	7	82.3	1997		0.053009	1
1	2	7	53.7	1601		1.049229	
2	2	7	93.2	1842		1.834083	
3	3	7	93.8	1508	1283	2.950022	
4	1	7	100.0			4.125571	
5	2	7	78.7	1039		4.897543	
6	2	7	52.0	1199		5.750840	
7	2	7	89.7	1882		6.778351	
8	1	7	86.3			7.307721	
9	1	7	96.6			8.090213	
10	2	7	76.7	1928		9.036279	
11	3	7	84.4	1759	1676	9.872846	
12	3	7	69.3	1406	1019	10.512666	
13	2	7	85.7	1943		11.836569	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	51.0			0.744133	1
1	2	6	58.4	1982		1.133807	
2	2	6	95.3	1826		2.267694	
3	1	6	62.1			3.410431	
4	1	6	90.0			3.903158	
5	2	6	62.5	1388		5.220606	
6	1	6	86.9			5.976348	
7	3	6	69.9	1335	1306	7.281750	
8	3	6	61.6	1746	1587	8.297683	
9	1	6	72.9			9.044940	
10	3	6	84.3	1092	1103	9.299176	
11	2	6	98.2	1949		10.903074	
12	1	6	70.8			11.860041	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	67.3	1646		0.521745	1
1	2	9	73.9	1553		0.915592	
2	2	9	74.1	1189		1.801804	
3	2	9	88.7	1882		2.355556	
4	2	9	79.8	1463		3.608014	
5	3	9	88.3	1693	1436	4.389561	
6	2	9	59.3	1020		4.958118	
7	3	9	56.5	1550	1375	5.467970	
8	2	9	76.2	1695		6.589133	
9	3	9	50.5	1688	1149	7.277911	
10	1	9	75.9			7.833843	
11	2	9	54.0	1952		8.252506	
12	2	9	52.0	1493		9.330086	
13	1	9	80.5			9.986716	
14	2	9	88.9	1070		10.836949	
15	3	9	97.9	1727	1148	11.739022	

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	5	52.0			0.136808	
1	3	5	85.4	1879	1073	0.786015	
2	3	5	82.4	1208	1575	1.604632	
3	2	5	57.9	1099		2.274897	
4	3	5	96.3	1824	1892	2.993470	
5	1	5	60.9			3.841056	
6	1	5	50.9			4.389552	
7	1	5	79.9			5.124349	
8	2	5	80.1	1927		5.729594	1
9	1	5	76.0			7.006503	
10	2	5	64.3	1657		7.431944	
11	3	5	53.2	1311	1531	8.323346	
12	1	5	97.9			9.052613	
13	2	5	71.0	1342		9.705516	
14	2	5	71.6	1600		10.491656	
15	2	5	65.5	1581		10.940310	
16	2	5	72.9	1342		11.796150	

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	10	83.7	1432		0.169902	
1	2	10	63.2	1902		1.357161	
2	2	10	94.4	1961		2.042695	
3	2	10	92.4	1806		2.159697	
4	2	10	74.3	1541		3.299426	
5	1	10	65.1			3.842468	
6	2	10	76.8	1648		4.357749	
7	2	10	58.1	1583		5.204775	
8	2	10	93.3	1475		5.993744	1
9	2	10	83.8	1657		6.633620	
10	3	10	80.5	1514	1979	7.169853	
11	1	10	60.5			8.125635	
12	2	10	88.5	1034		8.522206	
13	1	10	61.5			9.267157	
14	1	10	63.5			10.240074	
15	1	10	80.6			11.123869	
16	2	10	56.9	1674		11.738490	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	82.6	1315		0.375007	
1	2	10	76.1	1411		1.385633	
2	2	10	63.1	1818		2.290452	
3	2	10	56.6	1234		2.693290	
4	2	10	71.3	1786		3.210294	
5	1	10	62.7			4.127651	
6	3	10	63.1	1724	1966	5.356226	
7	1	10	77.4			6.259624	1
8	1	10	93.2			7.117957	
9	3	10	74.7	1667	1493	7.961042	
10	1	10	99.7			8.549818	
11	1	10	85.0			9.207521	
12	2	10	75.0	1949		10.057332	
13	1	10	54.3			11.052493	
14	2	10	54.0	1125		11.418443	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	87.1	1490	1944	0.036304	
1	1	7	57.8			0.901891	
2	2	7	54.8	1083		1.526641	
3	2	7	96.2	1132		2.953660	
4	3	7	53.0	1877	1366	3.564131	
5	2	7	71.8	1080		4.314557	
6	2	7	78.2	1294		5.017351	
7	2	7	93.3	1232		5.727336	
8	3	7	56.4	1151	1632	6.013398	1
9	2	7	64.0	1524		6.970983	
10	2	7	86.7	2000		8.135430	
11	3	7	81.9	1193	1797	8.370192	
12	1	7	52.3			9.162823	
13	3	7	99.4	1611	1581	10.120927	
14	3	7	90.3	1043	1531	11.075954	
15	1	7	87.3			11.374996	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	86.1			0.288141	0
1	2	10	77.5	1181		1.746119	
2	2	10	67.6	1279		3.087085	
3	3	10	68.4	1618	1753	4.428772	
4	2	10	90.1	1139		5.136673	
5	1	10	96.4			6.424392	
6	1	10	68.7			7.609456	
7	2	10	61.6	1032		8.527638	
8	2	10	51.2	1859		9.863861	
9	1	10	57.2			11.596452	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	56.9	1713		0.443985	1
1	1	12	87.0			1.544828	
2	2	12	57.5	1414		2.137674	
3	2	12	92.9	1711		3.579660	
4	2	12	83.9	1766		4.705039	
5	2	12	80.2	1114		5.217552	
6	2	12	76.6	1809		6.434750	
7	2	12	96.7	1192		7.955466	
8	2	12	69.1	1865		8.140012	
9	2	12	82.3	1376		9.028809	
10	3	12	57.7	1348	1623	10.394315	
11	1	12	90.6			11.809877	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	99.7	1852	1016	0.478056	1
1	2	16	87.1	1143		1.213255	
2	2	16	53.8	1241		2.142219	
3	2	16	56.8	1050		2.544012	
4	2	16	84.6	1399		3.454522	
5	2	16	75.9	1126		3.859510	
6	2	16	57.4	1314		5.101345	
7	3	16	60.6	1619	1814	5.921816	
8	3	16	98.9	1604	1977	6.349230	
9	2	16	78.3	1213		7.016828	
10	2	16	79.2	1397		7.883087	
11	1	16	85.4			8.528067	
12	3	16	60.4	1976	1536	9.113737	
13	2	16	80.7	1624		10.312224	
14	3	16	88.5	1302	1158	10.519664	
15	3	16	88.7	1809	1453	11.830318	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	100.0	1671		0.233012	1
1	2	14	89.7	1071		0.748150	
2	2	14	64.1	1359		1.915046	
3	2	14	67.8	1410		2.071879	
4	3	14	57.2	1520	1682	2.942865	
5	2	14	65.3	1764		3.669229	
6	2	14	75.6	1517		4.475376	
7	2	14	61.5	1217		4.975062	
8	2	14	51.9	1488		5.938706	
9	2	14	71.9	1640		6.016747	
10	3	14	91.9	1587	1652	6.728483	
11	1	14	57.1			7.778748	
12	1	14	86.2			8.245478	
13	3	14	71.5	1259	1970	9.119665	
14	2	14	96.7	1881		9.349864	
15	2	14	65.7	1535		10.119273	
16	3	14	90.4	1199	1220	10.858960	
17	1	14	53.5			11.795362	

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	9	77.0	1585	1724	0.133873	1
1	2	9	68.4	1763		0.720337	
2	2	9	53.9	1900		1.460010	
3	3	9	52.6	1915	1876	2.598815	
4	1	9	52.9			2.755039	
5	1	9	86.2			3.552019	
6	2	9	99.6	1056		4.421531	
7	1	9	57.3			4.788316	
8	3	9	55.9	1068	1751	5.499221	
9	2	9	83.2	1480		6.553451	
10	1	9	51.3			7.009858	
11	3	9	98.0	1812	1093	7.590821	
12	2	9	90.3	1903		8.343412	
13	3	9	75.0	1768	1626	8.724621	
14	2	9	89.3	1995		9.810716	
15	1	9	89.7			10.096016	
16	1	9	85.0			11.155717	
17	1	9	78.6			11.873776	

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	20	70.6	1940		1.044198	1
1	3	20	68.0	1358	1719	2.433006	
2	2	20	97.2	1392		2.675454	
3	1	20	93.8			4.832779	
4	3	20	55.6	1304	1680	5.879059	
5	2	20	73.0	1134		7.516078	
6	1	20	66.8			8.744013	
7	3	20	84.0	1114	1485	9.438078	
8	2	20	59.5	1021		11.391972	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	73.1	1063		0.641729	1
1	3	14	55.2	1653	1380	1.336318	
2	1	14	71.8			1.976509	
3	2	14	68.0	1597		2.817011	
4	1	14	67.1			4.204166	
5	2	14	87.3	1316		4.608751	
6	2	14	88.3	1545		5.239812	
7	2	14	70.3	1445		6.575373	
8	2	14	81.7	1910		7.099575	
9	1	14	83.4			8.343297	
10	3	14	93.8	1355	1172	8.820195	
11	2	14	96.4	1774		9.438148	
12	3	14	65.0	1949	1356	10.955749	
13	2	14	84.3	1480		11.552882	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	81.4	1947	1069	0.960828	1
1	2	15	93.9	1405		1.356581	
2	1	15	86.5			2.674859	
3	2	15	88.6	1499		3.182918	
4	1	15	54.3			4.225977	
5	2	15	91.8	1756		5.644401	
6	3	15	84.0	1957	1288	6.847637	
7	3	15	70.0	1431	1167	7.127832	
8	3	15	81.2	1397	1177	8.084434	
9	1	15	98.7			9.988744	
10	3	15	97.2	1446	1521	10.382048	
11	2	15	74.2	1114		11.888422	

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	9	53.3			0.719063	1
1	2	9	95.0	1494		2.070812	
2	2	9	88.8	1984		3.241941	
3	3	9	95.0	1012	1084	4.551176	
4	2	9	60.8	1797		4.928182	
5	1	9	64.4			6.775805	
6	3	9	70.6	1091	1314	7.484391	
7	2	9	90.2	1109		8.486907	
8	3	9	76.1	1137	1984	10.074051	
9	3	9	84.8	1770	1352	11.468068	

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	17	80.5	1716	1210	1.226946	1
1	3	17	79.7	1933	1139	2.384768	
2	1	17	52.0			2.859914	
3	2	17	70.8	1253		4.363863	
4	2	17	68.3	1004		5.358100	
5	2	17	81.3	1625		7.159011	
6	2	17	66.0	1439		9.138059	
7	3	17	56.4	1317	1891	9.438940	
8	3	17	78.9	1584	1814	11.689818	

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	11	58.8	1447		0.284694	1
1	3	11	78.1	1128	1990	1.127282	
2	3	11	78.7	1576	1767	2.137652	
3	1	11	94.4			2.756803	
4	1	11	84.4			3.291131	
5	1	11	75.9			4.473526	
6	3	11	80.9	1364	1687	5.025680	
7	2	11	63.4	1889		5.749723	
8	3	11	86.7	1706	1694	6.172154	
9	2	11	83.9	1950		7.473748	
10	2	11	66.1	1183		7.926513	
11	1	11	91.1			8.717519	
12	2	11	82.9	1468		9.003225	
13	2	11	90.3	1587		10.084173	
14	2	11	65.7	1506		10.577823	
15	3	11	64.6	1387	1687	11.550456	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	94.5	1615		0.760230	1
1	2	16	52.7	1855		1.126586	
2	2	16	92.7	1359		2.133980	
3	2	16	55.6	1679		3.758001	
4	2	16	51.3	1479		4.154607	
5	2	16	54.9	1759		5.077527	
6	3	16	64.1	1621	1245	6.676587	
7	2	16	55.5	1758		7.472254	
8	2	16	92.7	1839		8.449252	
9	3	16	59.8	1661	1713	9.004306	
10	1	16	94.1			10.279054	
11	2	16	68.5	1559		11.106487	

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	11	66.3	1733		0.384866	1
1	1	11	59.8			0.981979	
2	2	11	87.1	1632		1.747322	
3	3	11	59.1	1079	1130	1.897664	
4	2	11	55.2	1979		2.683276	
5	3	11	51.2	1312	1899	3.349224	
6	1	11	68.0			4.019459	
7	2	11	97.1	1097		4.334705	
8	2	11	70.9	1705		4.880290	
9	2	11	84.7	1229		5.743595	
10	3	11	82.8	1429	1677	6.293234	
11	2	11	54.5	1813		7.170634	
12	2	11	86.0	1840		7.743036	
13	2	11	94.3	1408		8.391727	
14	3	11	50.3	1457	1268	8.442875	
15	3	11	75.0	1946	1765	9.145560	
16	1	11	69.1			10.162055	
17	1	11	85.8			10.245838	
18	2	11	86.6	1995		11.054178	
19	1	11	65.6			11.427471	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	54.3	1112	1859	0.397712	0
1	2	17	72.5	1281		1.124603	
2	3	17	78.0	1985	1900	1.936249	
3	1	17	54.4			2.508749	
4	3	17	73.8	1564	1781	3.481772	
5	3	17	51.8	1308	1765	4.027629	
6	2	17	50.9	1014		5.495868	
7	3	17	73.9	1711	1436	6.210548	
8	2	17	88.9	1091		6.423131	
9	1	17	94.7			7.501960	
10	2	17	57.0	1949		8.505134	
11	3	17	75.2	1250	1642	9.269856	
12	2	17	92.3	1931		10.191912	
13	2	17	93.0	1761		10.436341	
14	3	17	94.8	1055	1965	11.485255	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	69.7			0.724243	1
1	1	17	74.4			1.879475	
2	3	17	92.2	1102	1996	3.349075	
3	3	17	93.8	1849	1764	3.761040	
4	2	17	67.4	1537		5.562963	
5	2	17	53.6	1292		6.974505	
6	1	17	81.6			7.331757	
7	1	17	84.7			8.629691	
8	2	17	89.2	1042		10.284659	
9	3	17	91.1	1784	1315	10.886161	

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	5	51.8	1597		0.658727	1
1	3	5	80.0	1586	1422	1.280334	
2	1	5	81.4			2.892241	
3	2	5	53.6	1881		3.657434	
4	2	5	91.0	1357		4.249703	
5	1	5	94.8			5.482975	
6	2	5	70.7	1306		6.324476	
7	1	5	85.7			7.252828	
8	3	5	53.2	1651	1240	8.076629	
9	1	5	60.7			9.835825	
10	3	5	61.0	1860	1827	10.729077	
11	2	5	77.1	1319		11.161101	

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	19	66.2	1708		0.667139	1
1	2	19	53.2	1921		1.987372	
2	2	19	86.4	1149		4.375266	
3	2	19	61.1	1244		5.101466	
4	2	19	84.7	1642		6.613556	
5	2	19	72.2	1556		8.886942	
6	3	19	52.0	1863	1555	9.480396	
7	2	19	89.7	1715		11.829066	

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	18	60.5			0.358517	0
1	1	18	67.5			1.538625	
2	1	18	90.3			2.434831	
3	2	18	87.7	1951		3.985424	
4	3	18	97.2	1819	1327	4.514089	
5	3	18	79.3	1499	1425	5.928306	
6	3	18	54.8	1376	1308	6.427934	
7	3	18	71.5	1300	1237	7.987298	
8	1	18	55.8			8.527724	
9	2	18	95.2	1799		9.000852	
10	2	18	78.8	1436		10.947904	
11	1	18	52.0			11.344957	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	74.4			0.004867	
1	2	18	93.2	1887		0.697090	
2	1	18	94.9			1.564830	
3	2	18	74.7	1205		2.442121	
4	2	18	70.7	1133		2.721408	
5	2	18	95.7	1945		3.702754	
6	1	18	78.8			3.955589	
7	1	18	85.0			4.778116	
8	2	18	72.2	1460		5.608872	
9	2	18	88.9	1939		6.158434	
10	3	18	83.4	1117	1994	6.678250	1
11	2	18	85.2	1217		7.169688	
12	3	18	56.1	1344	1246	8.012588	
13	2	18	70.3	1233		8.820782	
14	3	18	69.2	1452	1692	9.418321	
15	1	18	54.0			9.981675	
16	2	18	51.6	1336		10.632814	
17	1	18	62.8			10.828985	
18	2	18	65.7	1575		11.925213	
0	1	18	74.4			0.004867	
1	2	18	93.2	1887		0.697090	

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	12	94.9	1561	1604	0.064886	
1	3	12	56.1	1620	1899	1.611711	
2	1	12	84.0			2.072556	
3	3	12	80.9	1038	1363	2.804432	
4	2	12	54.5	1924		4.006174	
5	1	12	77.0			4.867310	
6	3	12	60.1	1134	1344	5.775971	1
7	1	12	75.8			6.537865	
8	2	12	75.1	1272		7.704314	
9	2	12	76.2	1789		8.109073	
10	2	12	76.5	1309		9.410861	
11	2	12	90.0	1504		10.060631	
12	2	12	62.6	1862		10.959410	
13	2	12	86.5	1315		11.824738	

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	10	66.9	1429		0.742449	1
1	3	10	57.1	1164	1211	1.524307	
2	2	10	97.2	1538		2.106273	
3	2	10	64.1	1264		3.122835	
4	3	10	99.5	1801	1740	3.881990	
5	1	10	86.5			5.028320	
6	3	10	85.1	1291	1671	5.380421	
7	2	10	92.6	1027		6.673473	
8	2	10	77.1	1829		6.975321	
9	2	10	50.2	1904		7.721842	
10	1	10	64.7			8.772565	
11	3	10	88.1	1638	1111	9.466764	
12	2	10	55.8	1170		10.858550	
13	2	10	67.6	1293		11.600931	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	67.5	1412		0.211057	1
1	2	18	90.9	1920		1.754565	
2	3	18	57.8	1368	1026	2.779205	
3	3	18	65.6	1819	1238	3.587587	
4	2	18	57.3	1187		4.325150	
5	2	18	61.4	1841		5.557960	
6	1	18	61.1			6.466591	
7	2	18	65.0	1176		7.972122	
8	3	18	92.2	1576	1765	8.477402	
9	2	18	93.1	1371		9.778734	
10	2	18	83.8	1958		10.651125	
11	1	18	76.2			11.843038	

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	5569.0, 5331.0, 5444.0, 5460.0, 5604.0, 5520.0, 5696.0, 5314.0, 5278.0, 5530.0, 5384.0, 5606.0, 5704.0, 5642.0, 5477.0, 5713.0, 5611.0, 5281.0, 5619.0, 5475.0, 5376.0, 5501.0, 5318.0, 5708.0, 5391.0, 5700.0, 5377.0, 5440.0, 5368.0, 5457.0, 5626.0, 5270.0, 5557.0, 5364.0, 5367.0, 5351.0, 5551.0, 5632.0, 5635.0, 5418.0, 5471.0, 5438.0, 5722.0, 5507.0, 5459.0, 5485.0, 5625.0, 5287.0, 5257.0, 5702.0, 5655.0, 5347.0, 5571.0, 5568.0, 5250.0, 5279.0, 5721.0, 5657.0, 5567.0, 5349.0, 5268.0, 5717.0, 5502.0, 5602.0, 5656.0, 5610.0, 5566.0, 5446.0, 5309.0, 5658.0, 5296.0, 5686.0, 5388.0, 5428.0, 5481.0, 5325.0, 5591.0, 5381.0, 5482.0, 5703.0, 5386.0, 5615.0, 5385.0, 5711.0, 5332.0, 5587.0, 5434.0, 5555.0, 5545.0, 5308.0, 5480.0, 5301.0, 5538.0, 5452.0, 5516.0, 5489.0, 5476.0, 5519.0, 5499.0, 5379.0 (number of hits: 4)
2	5500.0	9	1.0	333	1	5475.0, 5282.0, 5414.0, 5531.0, 5608.0, 5446.0, 5381.0, 5618.0, 5642.0, 5269.0, 5482.0, 5458.0, 5296.0, 5626.0, 5692.0, 5384.0, 5335.0, 5635.0, 5569.0, 5566.0, 5551.0, 5290.0, 5499.0, 5697.0, 5285.0, 5376.0, 5327.0, 5639.0, 5280.0, 5300.0, 5358.0, 5546.0, 5716.0, 5403.0, 5700.0, 5339.0, 5366.0, 5657.0, 5331.0, 5486.0, 5676.0, 5699.0, 5678.0, 5454.0, 5653.0, 5718.0, 5548.0, 5424.0, 5377.0, 5545.0, 5443.0, 5691.0, 5488.0, 5375.0, 5334.0, 5336.0, 5265.0, 5496.0, 5386.0, 5512.0, 5559.0, 5478.0, 5411.0, 5432.0, 5441.0, 5368.0, 5661.0, 5473.0, 5717.0, 5535.0, 5719.0, 5501.0, 5523.0, 5275.0, 5409.0, 5607.0, 5630.0, 5542.0, 5549.0, 5679.0, 5462.0, 5471.0, 5681.0, 5378.0, 5651.0, 5645.0, 5263.0, 5724.0, 5667.0, 5421.0, 5541.0, 5311.0, 5590.0, 5540.0, 5293.0, 5380.0, 5573.0, 5696.0, 5340.0, 5698.0 (number of hits: 3)
3	5500.0	9	1.0	333	1	5266.0, 5640.0, 5518.0, 5452.0, 5345.0, 5642.0, 5542.0, 5340.0, 5269.0, 5577.0, 5468.0, 5561.0, 5476.0, 5346.0, 5439.0, 5643.0, 5603.0, 5401.0, 5370.0, 5319.0, 5477.0, 5323.0, 5448.0, 5668.0, 5284.0, 5675.0, 5659.0, 5360.0, 5655.0, 5257.0, 5421.0, 5535.0, 5357.0, 5276.0, 5605.0, 5491.0, 5519.0, 5660.0, 5506.0, 5644.0, 5426.0, 5501.0, 5526.0, 5663.0, 5649.0, 5499.0, 5679.0, 5391.0, 5661.0, 5262.0, 5650.0, 5589.0, 5321.0, 5700.0, 5639.0, 5552.0, 5435.0, 5398.0, 5486.0, 5617.0, 5613.0, 5462.0, 5718.0, 5316.0, 5576.0, 5475.0, 5607.0, 5393.0, 5522.0, 5445.0,

						5317.0, 5425.0, 5723.0, 5460.0, 5635.0, 5368.0, 5707.0, 5263.0, 5455.0, 5595.0, 5536.0, 5691.0, 5271.0, 5411.0, 5549.0, 5634.0, 5443.0, 5456.0, 5719.0, 5392.0, 5637.0, 5369.0, 5615.0, 5505.0, 5494.0, 5469.0, 5311.0, 5654.0, 5444.0, 5308.0 (number of hits: 6)
4	5500.0	9	1.0	333	1	5322.0, 5604.0, 5698.0, 5666.0, 5713.0, 5533.0, 5382.0, 5311.0, 5716.0, 5557.0, 5285.0, 5310.0, 5600.0, 5283.0, 5602.0, 5503.0, 5293.0, 5657.0, 5500.0, 5573.0, 5325.0, 5366.0, 5357.0, 5616.0, 5287.0, 5370.0, 5541.0, 5398.0, 5260.0, 5346.0, 5638.0, 5301.0, 5448.0, 5395.0, 5596.0, 5353.0, 5597.0, 5562.0, 5274.0, 5281.0, 5457.0, 5401.0, 5646.0, 5455.0, 5452.0, 5575.0, 5633.0, 5645.0, 5589.0, 5414.0, 5624.0, 5383.0, 5465.0, 5482.0, 5697.0, 5554.0, 5391.0, 5625.0, 5549.0, 5470.0, 5433.0, 5641.0, 5429.0, 5610.0, 5701.0, 5705.0, 5475.0, 5417.0, 5394.0, 5524.0, 5412.0, 5340.0, 5256.0, 5467.0, 5679.0, 5699.0, 5586.0, 5361.0, 5326.0, 5483.0, 5683.0, 5706.0, 5570.0, 5292.0, 5297.0, 5522.0, 5622.0, 5599.0, 5299.0, 5445.0, 5567.0, 5662.0, 5670.0, 5587.0, 5648.0, 5703.0, 5462.0, 5708.0, 5427.0, 5516.0 (number of hits: 2)
5	5500.0	9	1.0	333	1	5364.0, 5446.0, 5480.0, 5701.0, 5290.0, 5718.0, 5501.0, 5452.0, 5634.0, 5389.0, 5664.0, 5562.0, 5645.0, 5429.0, 5674.0, 5589.0, 5687.0, 5513.0, 5291.0, 5323.0, 5316.0, 5276.0, 5557.0, 5707.0, 5343.0, 5650.0, 5372.0, 5413.0, 5682.0, 5369.0, 5299.0, 5437.0, 5332.0, 5669.0, 5375.0, 5705.0, 5328.0, 5425.0, 5612.0, 5337.0, 5547.0, 5273.0, 5711.0, 5715.0, 5535.0, 5559.0, 5484.0, 5302.0, 5555.0, 5585.0, 5662.0, 5672.0, 5333.0, 5517.0, 5632.0, 5377.0, 5253.0, 5665.0, 5625.0, 5317.0, 5426.0, 5391.0, 5416.0, 5305.0, 5694.0, 5255.0, 5680.0, 5579.0, 5588.0, 5304.0, 5278.0, 5410.0, 5509.0, 5721.0, 5465.0, 5292.0, 5388.0, 5382.0, 5402.0, 5599.0, 5510.0, 5489.0, 5307.0, 5696.0, 5325.0, 5666.0, 5679.0, 5321.0, 5495.0, 5267.0, 5379.0, 5433.0, 5342.0, 5345.0, 5340.0, 5360.0, 5443.0, 5660.0, 5370.0, 5483.0 (number of hits: 2)
6	5500.0	9	1.0	333	1	5312.0, 5562.0, 5492.0, 5504.0, 5365.0, 5560.0, 5575.0, 5451.0, 5573.0, 5592.0, 5439.0, 5577.0, 5695.0, 5702.0, 5668.0, 5608.0, 5427.0, 5464.0, 5627.0, 5688.0, 5301.0, 5551.0, 5460.0, 5548.0, 5661.0, 5630.0, 5286.0, 5340.0, 5622.0, 5484.0, 5610.0, 5568.0, 5583.0, 5570.0, 5545.0, 5715.0, 5595.0, 5646.0, 5557.0, 5328.0, 5546.0, 5486.0, 5723.0, 5527.0, 5585.0, 5262.0, 5503.0, 5699.0, 5636.0, 5260.0, 5654.0, 5531.0, 5295.0, 5536.0, 5559.0, 5292.0, 5283.0, 5323.0, 5650.0, 5334.0, 5701.0, 5497.0, 5655.0, 5297.0, 5387.0,

						5565.0, 5378.0, 5679.0, 5318.0, 5534.0, 5457.0, 5400.0, 5367.0, 5390.0, 5381.0, 5485.0, 5361.0, 5456.0, 5264.0, 5374.0, 5438.0, 5694.0, 5311.0, 5652.0, 5410.0, 5270.0, 5412.0, 5678.0, 5648.0, 5309.0, 5666.0, 5330.0, 5453.0, 5436.0, 5258.0, 5634.0, 5533.0, 5544.0, 5386.0, 5532.0 (number of hits: 4)
7	5500.0	9	1.0	333	1	5378.0, 5597.0, 5518.0, 5542.0, 5480.0, 5509.0, 5442.0, 5503.0, 5591.0, 5701.0, 5281.0, 5287.0, 5459.0, 5482.0, 5609.0, 5413.0, 5628.0, 5667.0, 5282.0, 5441.0, 5499.0, 5684.0, 5451.0, 5653.0, 5466.0, 5520.0, 5337.0, 5645.0, 5277.0, 5401.0, 5637.0, 5626.0, 5575.0, 5495.0, 5532.0, 5687.0, 5540.0, 5362.0, 5262.0, 5433.0, 5525.0, 5488.0, 5551.0, 5502.0, 5385.0, 5570.0, 5326.0, 5722.0, 5460.0, 5663.0, 5607.0, 5676.0, 5566.0, 5679.0, 5695.0, 5717.0, 5408.0, 5291.0, 5297.0, 5512.0, 5339.0, 5490.0, 5723.0, 5700.0, 5513.0, 5523.0, 5342.0, 5354.0, 5284.0, 5383.0, 5584.0, 5529.0, 5286.0, 5443.0, 5693.0, 5506.0, 5476.0, 5527.0, 5283.0, 5471.0, 5608.0, 5526.0, 5399.0, 5400.0, 5273.0, 5314.0, 5271.0, 5622.0, 5485.0, 5276.0, 5552.0, 5714.0, 5710.0, 5252.0, 5472.0, 5260.0, 5450.0, 5675.0, 5618.0, 5304.0 (number of hits: 5)
8	5500.0	9	1.0	333	1	5589.0, 5388.0, 5475.0, 5432.0, 5473.0, 5334.0, 5544.0, 5531.0, 5577.0, 5264.0, 5674.0, 5283.0, 5712.0, 5567.0, 5310.0, 5437.0, 5453.0, 5601.0, 5532.0, 5630.0, 5324.0, 5526.0, 5540.0, 5492.0, 5703.0, 5451.0, 5587.0, 5270.0, 5570.0, 5347.0, 5617.0, 5288.0, 5313.0, 5602.0, 5397.0, 5296.0, 5262.0, 5255.0, 5525.0, 5286.0, 5497.0, 5393.0, 5678.0, 5541.0, 5709.0, 5474.0, 5358.0, 5499.0, 5679.0, 5605.0, 5468.0, 5402.0, 5449.0, 5658.0, 5515.0, 5530.0, 5457.0, 5638.0, 5251.0, 5445.0, 5518.0, 5552.0, 5574.0, 5307.0, 5547.0, 5349.0, 5633.0, 5496.0, 5516.0, 5378.0, 5441.0, 5506.0, 5335.0, 5495.0, 5369.0, 5482.0, 5659.0, 5538.0, 5411.0, 5293.0, 5338.0, 5323.0, 5621.0, 5465.0, 5484.0, 5301.0, 5563.0, 5414.0, 5555.0, 5295.0, 5575.0, 5385.0, 5715.0, 5604.0, 5620.0, 5436.0, 5450.0, 5476.0, 5704.0, 5267.0 (number of hits: 6)
9	5500.0	9	1.0	333	1	5313.0, 5563.0, 5656.0, 5611.0, 5502.0, 5536.0, 5353.0, 5630.0, 5382.0, 5448.0, 5252.0, 5265.0, 5659.0, 5640.0, 5465.0, 5610.0, 5675.0, 5597.0, 5677.0, 5681.0, 5594.0, 5483.0, 5409.0, 5711.0, 5469.0, 5588.0, 5713.0, 5440.0, 5329.0, 5467.0, 5716.0, 5481.0, 5572.0, 5486.0, 5552.0, 5682.0, 5674.0, 5704.0, 5639.0, 5541.0, 5634.0, 5605.0, 5612.0, 5582.0, 5431.0, 5666.0, 5632.0, 5364.0, 5356.0, 5567.0, 5284.0, 5504.0, 5373.0, 5645.0, 5715.0, 5432.0, 5623.0, 5602.0, 5694.0, 5530.0,

						5669.0, 5434.0, 5456.0, 5398.0, 5471.0, 5598.0, 5352.0, 5326.0, 5492.0, 5661.0, 5560.0, 5377.0, 5576.0, 5261.0, 5717.0, 5685.0, 5719.0, 5646.0, 5462.0, 5283.0, 5484.0, 5600.0, 5435.0, 5531.0, 5683.0, 5430.0, 5395.0, 5520.0, 5367.0, 5710.0, 5384.0, 5607.0, 5657.0, 5442.0, 5621.0, 5488.0, 5650.0, 5348.0, 5577.0, 5525.0 (number of hits: 3)
10	5500.0	9	1.0	333	1	5699.0, 5492.0, 5569.0, 5553.0, 5689.0, 5440.0, 5490.0, 5350.0, 5556.0, 5646.0, 5694.0, 5256.0, 5314.0, 5513.0, 5264.0, 5359.0, 5509.0, 5330.0, 5436.0, 5431.0, 5512.0, 5369.0, 5413.0, 5253.0, 5315.0, 5425.0, 5659.0, 5643.0, 5284.0, 5481.0, 5538.0, 5372.0, 5649.0, 5332.0, 5302.0, 5347.0, 5462.0, 5391.0, 5366.0, 5305.0, 5531.0, 5593.0, 5446.0, 5685.0, 5652.0, 5616.0, 5612.0, 5289.0, 5310.0, 5673.0, 5688.0, 5273.0, 5524.0, 5511.0, 5464.0, 5654.0, 5561.0, 5351.0, 5392.0, 5572.0, 5611.0, 5313.0, 5543.0, 5429.0, 5379.0, 5317.0, 5621.0, 5637.0, 5491.0, 5677.0, 5448.0, 5433.0, 5686.0, 5682.0, 5393.0, 5550.0, 5291.0, 5711.0, 5287.0, 5615.0, 5722.0, 5713.0, 5432.0, 5333.0, 5467.0, 5479.0, 5700.0, 5702.0, 5574.0, 5470.0, 5653.0, 5648.0, 5255.0, 5565.0, 5373.0, 5295.0, 5260.0, 5476.0, 5655.0, 5644.0 (number of hits: 2)
11	5500.0	9	1.0	333	1	5440.0, 5693.0, 5356.0, 5295.0, 5414.0, 5614.0, 5514.0, 5278.0, 5417.0, 5544.0, 5593.0, 5535.0, 5547.0, 5676.0, 5310.0, 5502.0, 5260.0, 5670.0, 5422.0, 5286.0, 5424.0, 5679.0, 5722.0, 5633.0, 5276.0, 5581.0, 5720.0, 5415.0, 5530.0, 5251.0, 5640.0, 5303.0, 5688.0, 5696.0, 5707.0, 5508.0, 5596.0, 5373.0, 5709.0, 5537.0, 5406.0, 5624.0, 5332.0, 5529.0, 5435.0, 5443.0, 5370.0, 5487.0, 5338.0, 5466.0, 5616.0, 5543.0, 5351.0, 5413.0, 5602.0, 5717.0, 5515.0, 5675.0, 5419.0, 5291.0, 5265.0, 5587.0, 5580.0, 5334.0, 5697.0, 5566.0, 5692.0, 5271.0, 5509.0, 5524.0, 5388.0, 5412.0, 5458.0, 5323.0, 5519.0, 5496.0, 5341.0, 5377.0, 5319.0, 5454.0, 5495.0, 5636.0, 5565.0, 5253.0, 5400.0, 5715.0, 5701.0, 5671.0, 5463.0, 5586.0, 5462.0, 5642.0, 5255.0, 5690.0, 5375.0, 5503.0, 5574.0, 5432.0, 5538.0, 5622.0 (number of hits: 5)
12	5500.0	9	1.0	333	1	5484.0, 5488.0, 5656.0, 5446.0, 5473.0, 5512.0, 5324.0, 5646.0, 5350.0, 5456.0, 5535.0, 5563.0, 5474.0, 5340.0, 5504.0, 5493.0, 5659.0, 5660.0, 5700.0, 5673.0, 5420.0, 5715.0, 5663.0, 5721.0, 5467.0, 5555.0, 5346.0, 5496.0, 5605.0, 5576.0, 5610.0, 5253.0, 5260.0, 5278.0, 5543.0, 5457.0, 5650.0, 5380.0, 5545.0, 5498.0, 5612.0, 5514.0, 5364.0, 5595.0, 5343.0, 5710.0, 5589.0, 5383.0, 5483.0, 5470.0, 5424.0, 5480.0, 5593.0, 5670.0, 5642.0,

						5620.0, 5287.0, 5714.0, 5529.0, 5694.0, 5463.0, 5629.0, 5662.0, 5294.0, 5265.0, 5680.0, 5698.0, 5286.0, 5683.0, 5355.0, 5676.0, 5643.0, 5521.0, 5323.0, 5357.0, 5482.0, 5524.0, 5288.0, 5503.0, 5395.0, 5585.0, 5614.0, 5618.0, 5382.0, 5269.0, 5682.0, 5453.0, 5573.0, 5668.0, 5329.0, 5452.0, 5720.0, 5502.0, 5274.0, 5337.0, 5697.0, 5385.0, 5270.0, 5365.0, 5596.0 (number of hits: 6)
13	5500.0	9	1.0	333	1	5435.0, 5664.0, 5644.0, 5252.0, 5713.0, 5703.0, 5528.0, 5554.0, 5324.0, 5527.0, 5301.0, 5530.0, 5295.0, 5511.0, 5401.0, 5621.0, 5366.0, 5423.0, 5342.0, 5594.0, 5598.0, 5571.0, 5450.0, 5460.0, 5639.0, 5610.0, 5667.0, 5706.0, 5491.0, 5481.0, 5300.0, 5675.0, 5582.0, 5715.0, 5274.0, 5322.0, 5506.0, 5647.0, 5285.0, 5678.0, 5263.0, 5340.0, 5521.0, 5360.0, 5717.0, 5607.0, 5684.0, 5490.0, 5329.0, 5267.0, 5341.0, 5673.0, 5404.0, 5427.0, 5695.0, 5457.0, 5550.0, 5487.0, 5532.0, 5291.0, 5719.0, 5353.0, 5654.0, 5580.0, 5531.0, 5631.0, 5534.0, 5277.0, 5261.0, 5251.0, 5397.0, 5434.0, 5372.0, 5454.0, 5602.0, 5629.0, 5332.0, 5599.0, 5560.0, 5645.0, 5608.0, 5282.0, 5309.0, 5368.0, 5671.0, 5419.0, 5292.0, 5483.0, 5429.0, 5477.0, 5538.0, 5464.0, 5374.0, 5685.0, 5355.0, 5635.0, 5403.0, 5549.0, 5461.0, 5480.0 (number of hits: 2)
14	5500.0	9	1.0	333	1	5624.0, 5276.0, 5544.0, 5565.0, 5315.0, 5309.0, 5476.0, 5720.0, 5541.0, 5674.0, 5477.0, 5386.0, 5609.0, 5604.0, 5641.0, 5499.0, 5378.0, 5472.0, 5610.0, 5576.0, 5269.0, 5365.0, 5569.0, 5670.0, 5714.0, 5316.0, 5530.0, 5533.0, 5333.0, 5501.0, 5266.0, 5441.0, 5644.0, 5575.0, 5578.0, 5617.0, 5568.0, 5615.0, 5679.0, 5502.0, 5582.0, 5422.0, 5558.0, 5676.0, 5607.0, 5410.0, 5642.0, 5542.0, 5404.0, 5481.0, 5352.0, 5417.0, 5722.0, 5432.0, 5340.0, 5662.0, 5545.0, 5409.0, 5311.0, 5271.0, 5616.0, 5413.0, 5470.0, 5395.0, 5684.0, 5400.0, 5483.0, 5696.0, 5466.0, 5490.0, 5473.0, 5692.0, 5405.0, 5646.0, 5335.0, 5407.0, 5342.0, 5325.0, 5513.0, 5438.0, 5368.0, 5590.0, 5300.0, 5519.0, 5389.0, 5294.0, 5652.0, 5658.0, 5723.0, 5583.0, 5331.0, 5255.0, 5659.0, 5359.0, 5614.0, 5459.0, 5655.0, 5538.0, 5449.0, 5429.0 (number of hits: 3)
15	5500.0	9	1.0	333	1	5525.0, 5447.0, 5649.0, 5270.0, 5426.0, 5497.0, 5504.0, 5319.0, 5531.0, 5713.0, 5364.0, 5633.0, 5592.0, 5707.0, 5287.0, 5408.0, 5334.0, 5595.0, 5619.0, 5445.0, 5672.0, 5275.0, 5683.0, 5665.0, 5352.0, 5515.0, 5306.0, 5377.0, 5379.0, 5684.0, 5365.0, 5486.0, 5308.0, 5704.0, 5710.0, 5560.0, 5262.0, 5421.0, 5326.0, 5524.0, 5716.0, 5492.0, 5353.0, 5405.0, 5438.0, 5343.0, 5578.0, 5577.0, 5617.0, 5265.0,

						5286.0, 5660.0, 5696.0, 5335.0, 5603.0, 5677.0, 5399.0, 5671.0, 5253.0, 5329.0, 5371.0, 5330.0, 5428.0, 5466.0, 5519.0, 5298.0, 5422.0, 5291.0, 5675.0, 5629.0, 5579.0, 5625.0, 5409.0, 5711.0, 5449.0, 5282.0, 5680.0, 5647.0, 5607.0, 5415.0, 5258.0, 5692.0, 5314.0, 5561.0, 5348.0, 5441.0, 5723.0, 5534.0, 5569.0, 5598.0, 5252.0, 5272.0, 5554.0, 5570.0, 5562.0, 5503.0, 5337.0, 5434.0, 5276.0, 5623.0 (number of hits: 4)
16	5500.0	9	1.0	333	1	5588.0, 5356.0, 5495.0, 5591.0, 5396.0, 5465.0, 5670.0, 5271.0, 5667.0, 5690.0, 5647.0, 5353.0, 5493.0, 5252.0, 5496.0, 5502.0, 5386.0, 5372.0, 5264.0, 5517.0, 5620.0, 5571.0, 5305.0, 5471.0, 5314.0, 5359.0, 5593.0, 5379.0, 5360.0, 5713.0, 5382.0, 5354.0, 5514.0, 5699.0, 5327.0, 5671.0, 5602.0, 5712.0, 5684.0, 5500.0, 5625.0, 5633.0, 5466.0, 5663.0, 5470.0, 5293.0, 5363.0, 5721.0, 5708.0, 5442.0, 5557.0, 5332.0, 5534.0, 5285.0, 5615.0, 5617.0, 5511.0, 5692.0, 5522.0, 5326.0, 5304.0, 5664.0, 5618.0, 5595.0, 5300.0, 5251.0, 5560.0, 5381.0, 5336.0, 5267.0, 5388.0, 5503.0, 5642.0, 5401.0, 5576.0, 5257.0, 5405.0, 5487.0, 5445.0, 5678.0, 5574.0, 5283.0, 5321.0, 5556.0, 5672.0, 5527.0, 5718.0, 5467.0, 5301.0, 5484.0, 5334.0, 5436.0, 5688.0, 5272.0, 5660.0, 5483.0, 5454.0, 5697.0, 5390.0, 5448.0 (number of hits: 6)
17	5500.0	9	1.0	333	1	5502.0, 5526.0, 5487.0, 5473.0, 5717.0, 5583.0, 5616.0, 5373.0, 5320.0, 5496.0, 5704.0, 5323.0, 5352.0, 5325.0, 5696.0, 5447.0, 5665.0, 5682.0, 5316.0, 5690.0, 5284.0, 5437.0, 5332.0, 5723.0, 5559.0, 5565.0, 5714.0, 5721.0, 5424.0, 5662.0, 5547.0, 5706.0, 5341.0, 5523.0, 5554.0, 5703.0, 5267.0, 5439.0, 5404.0, 5512.0, 5310.0, 5250.0, 5582.0, 5402.0, 5381.0, 5283.0, 5633.0, 5649.0, 5427.0, 5379.0, 5592.0, 5618.0, 5566.0, 5273.0, 5291.0, 5318.0, 5394.0, 5256.0, 5567.0, 5298.0, 5420.0, 5274.0, 5663.0, 5446.0, 5302.0, 5279.0, 5548.0, 5499.0, 5452.0, 5684.0, 5697.0, 5679.0, 5521.0, 5317.0, 5486.0, 5657.0, 5557.0, 5415.0, 5311.0, 5260.0, 5313.0, 5579.0, 5254.0, 5475.0, 5485.0, 5303.0, 5615.0, 5312.0, 5328.0, 5666.0, 5375.0, 5655.0, 5695.0, 5713.0, 5641.0, 5369.0, 5673.0, 5546.0, 5702.0, 5469.0 (number of hits: 3)
18	5500.0	9	1.0	333	1	5675.0, 5603.0, 5591.0, 5431.0, 5524.0, 5566.0, 5562.0, 5482.0, 5637.0, 5404.0, 5564.0, 5510.0, 5463.0, 5385.0, 5635.0, 5254.0, 5305.0, 5504.0, 5525.0, 5384.0, 5351.0, 5415.0, 5344.0, 5478.0, 5654.0, 5458.0, 5473.0, 5388.0, 5674.0, 5470.0, 5330.0, 5434.0, 5488.0, 5348.0, 5720.0, 5614.0, 5474.0, 5650.0, 5427.0, 5333.0, 5435.0, 5546.0, 5558.0, 5492.0, 5663.0,

						5459.0, 5462.0, 5621.0, 5533.0, 5453.0, 5561.0, 5422.0, 5353.0, 5311.0, 5392.0, 5481.0, 5588.0, 5551.0, 5420.0, 5630.0, 5468.0, 5358.0, 5609.0, 5411.0, 5475.0, 5516.0, 5505.0, 5592.0, 5573.0, 5401.0, 5477.0, 5517.0, 5263.0, 5408.0, 5711.0, 5253.0, 5532.0, 5324.0, 5681.0, 5464.0, 5707.0, 5370.0, 5607.0, 5267.0, 5523.0, 5527.0, 5266.0, 5346.0, 5271.0, 5371.0, 5281.0, 5362.0, 5327.0, 5476.0, 5270.0, 5512.0, 5269.0, 5321.0, 5355.0, 5409.0 (number of hits: 3)
19	5500.0	9	1.0	333	1	5436.0, 5705.0, 5663.0, 5322.0, 5458.0, 5272.0, 5504.0, 5410.0, 5416.0, 5335.0, 5325.0, 5617.0, 5665.0, 5470.0, 5274.0, 5553.0, 5549.0, 5532.0, 5714.0, 5525.0, 5273.0, 5440.0, 5372.0, 5723.0, 5293.0, 5722.0, 5494.0, 5648.0, 5360.0, 5515.0, 5395.0, 5411.0, 5589.0, 5500.0, 5683.0, 5257.0, 5587.0, 5539.0, 5712.0, 5717.0, 5557.0, 5562.0, 5350.0, 5702.0, 5611.0, 5588.0, 5694.0, 5441.0, 5326.0, 5583.0, 5414.0, 5548.0, 5618.0, 5347.0, 5680.0, 5358.0, 5438.0, 5555.0, 5469.0, 5622.0, 5316.0, 5538.0, 5344.0, 5685.0, 5654.0, 5397.0, 5573.0, 5543.0, 5501.0, 5443.0, 5607.0, 5486.0, 5715.0, 5389.0, 5446.0, 5690.0, 5528.0, 5380.0, 5349.0, 5282.0, 5417.0, 5434.0, 5305.0, 5459.0, 5569.0, 5254.0, 5331.0, 5260.0, 5361.0, 5492.0, 5475.0, 5455.0, 5324.0, 5396.0, 5676.0, 5415.0, 5279.0, 5359.0, 5578.0, 5287.0 (number of hits: 5)
20	5500.0	9	1.0	333	1	5587.0, 5278.0, 5627.0, 5701.0, 5595.0, 5702.0, 5717.0, 5433.0, 5319.0, 5419.0, 5370.0, 5356.0, 5441.0, 5667.0, 5257.0, 5452.0, 5323.0, 5654.0, 5529.0, 5693.0, 5648.0, 5444.0, 5721.0, 5398.0, 5458.0, 5368.0, 5322.0, 5496.0, 5698.0, 5568.0, 5512.0, 5557.0, 5614.0, 5531.0, 5495.0, 5475.0, 5624.0, 5675.0, 5558.0, 5544.0, 5261.0, 5393.0, 5591.0, 5282.0, 5354.0, 5720.0, 5316.0, 5603.0, 5347.0, 5662.0, 5569.0, 5549.0, 5306.0, 5277.0, 5273.0, 5526.0, 5508.0, 5446.0, 5309.0, 5575.0, 5536.0, 5605.0, 5681.0, 5467.0, 5436.0, 5357.0, 5326.0, 5683.0, 5328.0, 5450.0, 5351.0, 5410.0, 5545.0, 5542.0, 5425.0, 5300.0, 5298.0, 5272.0, 5527.0, 5325.0, 5551.0, 5571.0, 5412.0, 5345.0, 5259.0, 5556.0, 5330.0, 5284.0, 5321.0, 5650.0, 5500.0, 5703.0, 5480.0, 5268.0, 5510.0, 5301.0, 5711.0, 5388.0, 5566.0, 5447.0 (number of hits: 4)
21	5500.0	9	1.0	333	1	5601.0, 5510.0, 5496.0, 5635.0, 5591.0, 5306.0, 5639.0, 5387.0, 5674.0, 5399.0, 5355.0, 5693.0, 5366.0, 5493.0, 5276.0, 5654.0, 5629.0, 5384.0, 5568.0, 5719.0, 5583.0, 5666.0, 5542.0, 5497.0, 5718.0, 5667.0, 5277.0, 5592.0, 5434.0, 5694.0, 5606.0, 5613.0, 5474.0, 5545.0, 5419.0, 5456.0, 5495.0, 5263.0, 5292.0, 5267.0,

						5619.0, 5396.0, 5340.0, 5672.0, 5298.0, 5634.0, 5281.0, 5265.0, 5261.0, 5709.0, 5377.0, 5643.0, 5343.0, 5589.0, 5365.0, 5450.0, 5547.0, 5406.0, 5710.0, 5492.0, 5503.0, 5698.0, 5437.0, 5424.0, 5464.0, 5533.0, 5299.0, 5664.0, 5546.0, 5363.0, 5470.0, 5380.0, 5615.0, 5417.0, 5506.0, 5459.0, 5581.0, 5680.0, 5383.0, 5477.0, 5551.0, 5270.0, 5563.0, 5620.0, 5502.0, 5257.0, 5626.0, 5413.0, 5430.0, 5428.0, 5665.0, 5553.0, 5640.0, 5520.0, 5550.0, 5454.0, 5313.0, 5400.0, 5670.0, 5338.0 (number of hits: 8)
22	5500.0	9	1.0	333	1	5697.0, 5441.0, 5261.0, 5673.0, 5499.0, 5624.0, 5307.0, 5413.0, 5689.0, 5365.0, 5571.0, 5358.0, 5479.0, 5294.0, 5566.0, 5508.0, 5588.0, 5537.0, 5587.0, 5528.0, 5271.0, 5332.0, 5568.0, 5442.0, 5542.0, 5370.0, 5634.0, 5544.0, 5716.0, 5350.0, 5410.0, 5323.0, 5638.0, 5432.0, 5502.0, 5618.0, 5530.0, 5395.0, 5513.0, 5504.0, 5449.0, 5354.0, 5554.0, 5282.0, 5384.0, 5665.0, 5658.0, 5576.0, 5661.0, 5357.0, 5515.0, 5593.0, 5562.0, 5621.0, 5424.0, 5586.0, 5582.0, 5551.0, 5269.0, 5454.0, 5311.0, 5331.0, 5691.0, 5382.0, 5380.0, 5592.0, 5692.0, 5703.0, 5610.0, 5496.0, 5529.0, 5325.0, 5461.0, 5451.0, 5714.0, 5722.0, 5663.0, 5688.0, 5633.0, 5693.0, 5459.0, 5718.0, 5700.0, 5295.0, 5541.0, 5319.0, 5567.0, 5429.0, 5517.0, 5464.0, 5640.0, 5666.0, 5717.0, 5659.0, 5583.0, 5324.0, 5302.0, 5712.0, 5411.0, 5512.0 (number of hits: 5)
23	5500.0	9	1.0	333	1	5288.0, 5489.0, 5322.0, 5586.0, 5266.0, 5600.0, 5385.0, 5715.0, 5278.0, 5346.0, 5340.0, 5556.0, 5290.0, 5377.0, 5542.0, 5261.0, 5302.0, 5332.0, 5323.0, 5319.0, 5309.0, 5651.0, 5614.0, 5699.0, 5564.0, 5361.0, 5369.0, 5345.0, 5370.0, 5501.0, 5389.0, 5257.0, 5545.0, 5533.0, 5622.0, 5349.0, 5422.0, 5469.0, 5444.0, 5461.0, 5674.0, 5254.0, 5425.0, 5303.0, 5631.0, 5407.0, 5517.0, 5645.0, 5413.0, 5405.0, 5438.0, 5371.0, 5473.0, 5293.0, 5562.0, 5263.0, 5445.0, 5366.0, 5464.0, 5531.0, 5483.0, 5703.0, 5395.0, 5458.0, 5583.0, 5429.0, 5424.0, 5353.0, 5342.0, 5588.0, 5300.0, 5563.0, 5696.0, 5610.0, 5327.0, 5652.0, 5449.0, 5536.0, 5717.0, 5399.0, 5602.0, 5648.0, 5354.0, 5535.0, 5612.0, 5492.0, 5331.0, 5348.0, 5448.0, 5616.0, 5700.0, 5537.0, 5509.0, 5338.0, 5384.0, 5707.0, 5587.0, 5305.0, 5264.0, 5477.0 (number of hits: 2)
24	5500.0	9	1.0	333	1	5343.0, 5495.0, 5659.0, 5492.0, 5496.0, 5553.0, 5600.0, 5353.0, 5305.0, 5652.0, 5420.0, 5720.0, 5375.0, 5367.0, 5614.0, 5708.0, 5269.0, 5630.0, 5355.0, 5462.0, 5714.0, 5370.0, 5377.0, 5556.0, 5404.0, 5283.0, 5393.0, 5369.0, 5384.0, 5460.0, 5332.0, 5522.0, 5479.0, 5391.0, 5382.0,

						5363.0, 5483.0, 5468.0, 5373.0, 5446.0, 5415.0, 5299.0, 5368.0, 5524.0, 5539.0, 5723.0, 5307.0, 5573.0, 5657.0, 5480.0, 5449.0, 5510.0, 5371.0, 5390.0, 5702.0, 5357.0, 5467.0, 5687.0, 5697.0, 5288.0, 5477.0, 5395.0, 5706.0, 5497.0, 5595.0, 5325.0, 5436.0, 5701.0, 5447.0, 5509.0, 5322.0, 5651.0, 5435.0, 5254.0, 5551.0, 5623.0, 5405.0, 5426.0, 5260.0, 5303.0, 5581.0, 5557.0, 5670.0, 5576.0, 5554.0, 5521.0, 5683.0, 5561.0, 5262.0, 5599.0, 5486.0, 5639.0, 5715.0, 5579.0, 5689.0, 5445.0, 5427.0, 5685.0, 5301.0, 5328.0 (number of hits: 4)
25	5500.0	9	1.0	333	1	5567.0, 5262.0, 5652.0, 5552.0, 5624.0, 5311.0, 5466.0, 5350.0, 5405.0, 5503.0, 5506.0, 5268.0, 5517.0, 5494.0, 5688.0, 5383.0, 5719.0, 5467.0, 5400.0, 5662.0, 5431.0, 5403.0, 5252.0, 5720.0, 5304.0, 5572.0, 5362.0, 5596.0, 5632.0, 5419.0, 5514.0, 5484.0, 5357.0, 5640.0, 5316.0, 5598.0, 5397.0, 5424.0, 5681.0, 5408.0, 5594.0, 5313.0, 5546.0, 5378.0, 5558.0, 5346.0, 5651.0, 5325.0, 5338.0, 5290.0, 5518.0, 5554.0, 5627.0, 5295.0, 5609.0, 5413.0, 5644.0, 5693.0, 5550.0, 5353.0, 5677.0, 5459.0, 5330.0, 5617.0, 5323.0, 5373.0, 5306.0, 5333.0, 5288.0, 5698.0, 5672.0, 5592.0, 5329.0, 5486.0, 5713.0, 5360.0, 5309.0, 5621.0, 5690.0, 5355.0, 5532.0, 5605.0, 5619.0, 5573.0, 5461.0, 5422.0, 5711.0, 5354.0, 5440.0, 5508.0, 5259.0, 5305.0, 5516.0, 5478.0, 5340.0, 5590.0, 5685.0, 5618.0, 5449.0, 5702.0 (number of hits: 4)
26	5500.0	9	1.0	333	1	5274.0, 5554.0, 5594.0, 5460.0, 5679.0, 5370.0, 5418.0, 5531.0, 5578.0, 5682.0, 5666.0, 5405.0, 5400.0, 5480.0, 5621.0, 5697.0, 5714.0, 5294.0, 5664.0, 5254.0, 5575.0, 5422.0, 5681.0, 5300.0, 5295.0, 5625.0, 5518.0, 5547.0, 5423.0, 5257.0, 5569.0, 5674.0, 5663.0, 5539.0, 5258.0, 5659.0, 5355.0, 5656.0, 5266.0, 5607.0, 5708.0, 5469.0, 5389.0, 5717.0, 5600.0, 5304.0, 5628.0, 5596.0, 5660.0, 5649.0, 5709.0, 5463.0, 5267.0, 5560.0, 5391.0, 5256.0, 5680.0, 5616.0, 5636.0, 5387.0, 5456.0, 5570.0, 5474.0, 5310.0, 5711.0, 5317.0, 5407.0, 5477.0, 5450.0, 5324.0, 5393.0, 5433.0, 5432.0, 5661.0, 5312.0, 5627.0, 5670.0, 5421.0, 5635.0, 5426.0, 5409.0, 5692.0, 5479.0, 5499.0, 5633.0, 5535.0, 5359.0, 5568.0, 5458.0, 5563.0, 5716.0, 5580.0, 5552.0, 5521.0, 5512.0, 5340.0, 5253.0, 5646.0, 5390.0, 5347.0 (number of hits: 1)
27	5500.0	9	1.0	333	0	
28	5500.0	9	1.0	333	1	5461.0, 5689.0, 5715.0, 5424.0, 5582.0, 5514.0, 5577.0, 5403.0, 5411.0, 5369.0, 5492.0, 5684.0, 5528.0, 5694.0, 5598.0, 5338.0, 5707.0, 5615.0, 5273.0, 5495.0, 5472.0, 5466.0, 5275.0, 5476.0, 5269.0,

						5690.0, 5518.0, 5580.0, 5699.0, 5464.0, 5291.0, 5522.0, 5712.0, 5260.0, 5669.0, 5288.0, 5431.0, 5270.0, 5562.0, 5555.0, 5614.0, 5349.0, 5360.0, 5416.0, 5663.0, 5334.0, 5437.0, 5479.0, 5588.0, 5683.0, 5341.0, 5675.0, 5691.0, 5415.0, 5618.0, 5531.0, 5468.0, 5572.0, 5299.0, 5343.0, 5695.0, 5542.0, 5484.0, 5364.0, 5711.0, 5628.0, 5377.0, 5350.0, 5339.0, 5708.0, 5502.0, 5605.0, 5630.0, 5272.0, 5520.0, 5536.0, 5256.0, 5627.0, 5335.0, 5602.0, 5682.0, 5289.0, 5717.0, 5308.0, 5497.0, 5344.0, 5413.0, 5367.0, 5685.0, 5515.0, 5264.0, 5345.0, 5395.0, 5509.0, 5590.0, 5556.0, 5384.0, 5584.0, 5718.0, 5483.0 (number of hits: 4)
29	5500.0	9	1.0	333	1	5308.0, 5457.0, 5307.0, 5314.0, 5699.0, 5659.0, 5621.0, 5427.0, 5370.0, 5546.0, 5262.0, 5504.0, 5436.0, 5382.0, 5358.0, 5269.0, 5617.0, 5289.0, 5361.0, 5446.0, 5710.0, 5444.0, 5559.0, 5523.0, 5593.0, 5717.0, 5476.0, 5529.0, 5652.0, 5320.0, 5721.0, 5395.0, 5556.0, 5387.0, 5425.0, 5479.0, 5701.0, 5386.0, 5564.0, 5441.0, 5595.0, 5430.0, 5516.0, 5677.0, 5603.0, 5396.0, 5410.0, 5720.0, 5362.0, 5403.0, 5698.0, 5632.0, 5551.0, 5366.0, 5384.0, 5599.0, 5517.0, 5544.0, 5306.0, 5280.0, 5385.0, 5354.0, 5691.0, 5508.0, 5582.0, 5651.0, 5275.0, 5496.0, 5598.0, 5495.0, 5611.0, 5590.0, 5381.0, 5500.0, 5641.0, 5656.0, 5426.0, 5667.0, 5412.0, 5615.0, 5709.0, 5401.0, 5695.0, 5661.0, 5547.0, 5681.0, 5541.0, 5501.0, 5301.0, 5264.0, 5322.0, 5343.0, 5486.0, 5286.0, 5637.0, 5355.0, 5491.0, 5304.0, 5459.0, 5628.0 (number of hits: 7)
30	5500.0	9	1.0	333	1	5537.0, 5442.0, 5406.0, 5716.0, 5272.0, 5497.0, 5409.0, 5310.0, 5301.0, 5704.0, 5629.0, 5276.0, 5489.0, 5321.0, 5614.0, 5458.0, 5426.0, 5256.0, 5328.0, 5339.0, 5719.0, 5397.0, 5450.0, 5616.0, 5718.0, 5473.0, 5296.0, 5352.0, 5454.0, 5286.0, 5424.0, 5655.0, 5330.0, 5647.0, 5452.0, 5622.0, 5490.0, 5369.0, 5479.0, 5493.0, 5366.0, 5693.0, 5577.0, 5686.0, 5588.0, 5519.0, 5303.0, 5667.0, 5696.0, 5654.0, 5320.0, 5564.0, 5322.0, 5437.0, 5598.0, 5252.0, 5626.0, 5427.0, 5530.0, 5281.0, 5545.0, 5391.0, 5596.0, 5305.0, 5268.0, 5518.0, 5528.0, 5529.0, 5488.0, 5674.0, 5634.0, 5381.0, 5692.0, 5463.0, 5314.0, 5375.0, 5520.0, 5524.0, 5274.0, 5499.0, 5552.0, 5694.0, 5572.0, 5371.0, 5575.0, 5270.0, 5610.0, 5558.0, 5327.0, 5403.0, 5373.0, 5264.0, 5633.0, 5342.0, 5498.0, 5714.0, 5591.0, 5306.0, 5377.0, 5334.0 (number of hits: 4)

Auto Mode

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	90.0 %	60%	Pass
Aggregate (Type1 to 4)	120	88.3 %	80%	Pass
Type 5	30	83.3 %	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	18	1.0	3066	1
2	92	1.0	578	1
3	74	1.0	718	1
4	78	1.0	678	1
5	70	1.0	758	1
6	72	1.0	738	1
7	83	1.0	638	1
8	62	1.0	858	1
9	76	1.0	698	1
10	89	1.0	598	1
11	81	1.0	658	1
12	99	1.0	538	1
13	95	1.0	558	1
14	58	1.0	918	1
15	67	1.0	798	1
16	25	1.0	2155	1
17	25	1.0	2178	1
18	23	1.0	2317	1
19	34	1.0	1593	1
20	90	1.0	587	1
21	21	1.0	2577	1
22	53	1.0	1010	1
23	23	1.0	2360	1
24	29	1.0	1829	1
25	21	1.0	2608	1
26	45	1.0	1184	1
27	46	1.0	1172	1
28	46	1.0	1170	1
29	53	1.0	1014	1
30	58	1.0	925	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	23	3.1	178	1
2	27	4.6	214	1
3	23	1.5	163	1
4	26	4.9	227	1
5	23	3.7	223	1
6	23	3.5	173	1
7	29	3.2	207	0
8	27	3.1	203	1
9	24	5.0	229	0
10	23	4.7	175	0
11	27	5.0	207	1
12	23	1.0	203	0
13	29	2.9	195	1
14	28	1.6	210	1
15	24	3.0	173	1
16	27	4.1	205	1
17	23	1.8	197	0
18	24	3.6	204	0
19	25	3.4	207	1
20	23	1.6	212	1
21	23	2.4	179	1
22	27	4.3	198	1
23	25	3.3	177	1
24	25	2.2	187	1
25	23	2.4	150	1
26	23	2.6	230	1
27	24	3.7	164	1
28	23	4.9	213	1
29	28	3.3	200	1
30	24	2.8	219	0
Detection Percentage: 76.7 % (>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	18	6.3	361	1
2	18	9.7	421	1
3	17	6.0	252	1
4	17	8.2	427	1
5	18	8.5	479	1
6	17	8.1	400	1
7	16	6.7	409	1
8	17	8.6	225	1
9	18	8.9	215	0
10	18	6.1	394	1
11	18	8.9	285	1
12	17	9.2	484	0
13	17	8.8	495	1
14	17	6.1	244	1
15	18	8.8	403	1
16	17	7.9	366	1
17	17	7.1	320	1
18	16	6.8	380	1
19	17	6.1	413	1
20	16	6.5	319	1
21	18	9.8	458	1
22	18	9.5	342	1
23	18	9.3	400	0
24	17	9.3	429	1
25	16	8.0	423	1
26	17	7.8	333	1
27	18	10.0	346	1
28	16	6.9	238	1
29	16	8.2	211	1
30	16	6.5	365	0
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	15	14.5	344	1
2	13	12.8	263	1
3	14	11.2	346	1
4	14	19.4	468	1
5	16	14.6	319	1
6	13	13.8	474	1
7	14	19.5	282	1
8	12	16.6	437	1
9	15	14.5	392	1
10	12	12.9	481	1
11	13	13.3	496	1
12	14	15.7	483	1
13	15	11.5	494	1
14	16	19.0	242	1
15	16	17.2	486	1
16	13	15.9	214	1
17	16	13.2	408	1
18	16	18.9	361	0
19	14	16.1	263	1
20	12	12.8	427	1
21	12	12.3	227	0
22	15	15.4	241	1
23	16	17.4	489	1
24	13	17.6	243	1
25	14	19.0	246	1
26	14	13.4	410	1
27	15	17.4	256	1
28	12	15.1	484	1
29	15	18.9	262	0
30	15	18.7	444	1
Detection Percentage: 90.0 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	0
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	5495.5	1
12	5496.7	1
13	5495.9	1
14	5493.9	1
15	5499.1	1
16	5496.3	0
17	5495.5	0
18	5499.1	1
19	5496.7	1
20	5496.7	1
21	5522.9	1
22	5520.9	1
23	5521.3	1
24	5522.9	1
25	5522.5	1
26	5524.1	0
27	5524.1	0
28	5522.9	1
29	5526.1	1
30	5526.1	1
Detection Percentage: 83.3 % (>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	2	10	84.6	1101		0.913901	0
1	2	10	69.3	1933		2.608299	
2	1	10	80.6			3.626567	
3	3	10	79.0	1320	1284	4.095548	
4	1	10	97.1			5.542501	
5	2	10	77.7	1388		7.624565	
6	3	10	67.6	1339	1189	8.672450	
7	2	10	72.8	1165		10.401016	
8	2	10	87.0	1667		11.881044	

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	14	70.2			0.776035	1
1	2	14	56.0	1445		2.649628	
2	2	14	82.8	1801		3.050791	
3	3	14	78.5	1602	1469	4.607336	
4	2	14	50.3	1464		6.213137	
5	2	14	97.6	1177		7.991891	
6	2	14	84.6	1242		9.211519	
7	2	14	99.7	1814		9.395308	
8	1	14	76.7			11.447775	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	79.6	1854		0.655788	1
1	2	11	51.1	1809		0.789767	
2	2	11	90.7	1479		2.149215	
3	3	11	64.2	1307	1305	2.838917	
4	2	11	51.8	1515		3.234070	
5	3	11	93.5	1513	1581	4.263124	
6	2	11	88.4	1198		5.025958	
7	1	11	82.5			5.268797	
8	2	11	61.7	1166		6.403255	
9	1	11	52.2			7.447275	
10	2	11	83.9	1570		8.238398	
11	2	11	57.3	1011		8.678261	
12	3	11	85.5	1227	1052	9.204363	
13	3	11	84.4	1861	1010	9.829127	
14	1	11	51.1			11.083981	
15	1	11	63.5			11.644601	

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	57.7			0.525371	1
1	2	11	98.9	1787		1.038089	
2	2	11	93.5	1915		1.745378	
3	1	11	75.3			1.809077	
4	2	11	94.9	1828		2.835571	
5	1	11	78.4			3.164858	
6	2	11	66.5	1562		4.002397	
7	2	11	96.8	1556		4.432350	
8	3	11	58.7	1654	1886	5.279095	
9	3	11	98.1	1579	1521	5.538254	
10	2	11	85.8	1105		6.201266	
11	3	11	96.5	1466	1133	6.855996	
12	2	11	95.1	1825		7.211351	
13	2	11	80.2	1679		8.390149	
14	3	11	67.9	1622	1317	8.967129	
15	2	11	67.2	1359		9.319039	
16	3	11	77.3	1307	1853	10.193004	
17	3	11	70.8	1942	1781	10.662696	
18	3	11	75.6	1433	1298	11.235118	
19	1	11	69.2			11.778957	

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	77.6			0.551693	
1	2	10	66.2	1483		0.823829	
2	3	10	53.3	1578	1850	1.429731	
3	3	10	74.3	1031	1609	2.427133	
4	2	10	89.5	1981		3.089609	
5	1	10	69.6			3.405846	
6	2	10	78.0	1962		4.054832	
7	3	10	64.0	1816	1394	5.057967	
8	2	10	54.4	1921		5.590400	
9	3	10	63.4	1530	1294	6.321864	1
10	3	10	61.8	1629	1380	7.134303	
11	1	10	93.0			7.416067	
12	3	10	81.6	1892	1328	8.289460	
13	3	10	98.0	1975	1295	9.184607	
14	3	10	84.3	1472	1076	9.829328	
15	2	10	55.4	1510		10.588014	
16	2	10	89.5	1573		10.958732	
17	1	10	64.2			11.618662	

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	7	78.9			0.955616	
1	2	7	92.0	1473		1.349013	
2	2	7	86.3	1123		2.847428	
3	2	7	52.3	1957		4.095143	
4	1	7	61.0			4.891796	
5	2	7	51.7	1769		6.319780	1
6	1	7	79.7			7.366015	
7	3	7	64.6	1413	1906	8.672431	
8	1	7	65.2			9.066152	
9	2	7	89.9	1063		10.045784	
10	1	7	89.2			11.497562	

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	58.2	1699		0.173601	
1	2	5	53.3	1123		1.550860	
2	3	5	87.9	1009	1170	2.470511	
3	3	5	95.5	1182	1177	3.534139	
4	2	5	85.9	1695		4.130625	
5	2	5	90.8	1563		5.173126	
6	2	5	62.9	1428		6.393210	1
7	1	5	63.2			6.601568	
8	2	5	83.8	1403		8.102464	
9	2	5	57.3	1671		8.687991	
10	1	5	99.7			9.937140	
11	3	5	57.6	1530	1754	10.886334	
12	3	5	55.2	1327	1100	11.819858	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	87.2	1585		0.879110	
1	3	13	53.3	1724	1880	2.115303	
2	2	13	57.4	1665		2.281898	
3	2	13	66.5	1732		4.112855	
4	1	13	73.8			5.259174	
5	1	13	85.6			5.534601	1
6	1	13	89.7			7.130076	
7	2	13	93.8	1387		8.312905	
8	2	13	73.0	1562		9.131401	
9	1	13	76.3			10.432216	
10	2	13	89.1	1228		11.776346	

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	7	96.3	1723	1139	0.016005	1
1	2	7	82.3	1028		1.559597	
2	1	7	54.1			2.217956	
3	2	7	91.8	1674		2.759498	
4	2	7	87.6	1890		3.540736	
5	2	7	93.9	1703		4.474029	
6	3	7	89.2	1889	1240	5.170405	
7	2	7	59.0	1847		6.013811	
8	1	7	56.8			6.700796	
9	1	7	81.0			7.857604	
10	2	7	64.1	1834		8.762633	
11	2	7	96.5	1237		9.240896	
12	1	7	75.0			10.290825	
13	3	7	58.8	1502	1128	10.671085	
14	2	7	71.9	1975		11.578622	

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	66.2	1808		0.956496	1
1	3	11	74.5	1458	1160	2.048530	
2	2	11	90.8	1184		3.464880	
3	2	11	88.5	1205		4.444616	
4	1	11	73.2			6.025800	
5	1	11	61.8			7.593961	
6	2	11	93.8	1190		8.806938	
7	1	11	70.9			9.462089	
8	2	11	95.7	1063		11.062666	

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	10	69.5	1102	1026	0.658412	1
1	1	10	97.4			1.791177	
2	2	10	91.7	1449		2.558174	
3	2	10	96.7	1617		3.502307	
4	1	10	50.2			4.651118	
5	2	10	75.1	1081		5.106813	
6	2	10	85.5	1195		6.020242	
7	2	10	53.3	1385		7.029569	
8	3	10	91.2	1522	1845	8.808544	
9	1	10	51.8			9.128100	
10	2	10	82.9	1356		10.893727	
11	2	10	89.0	1381		11.861832	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	89.9	1663		0.473233	1
1	1	13	71.6			1.245098	
2	2	13	57.6	1712		3.283831	
3	2	13	98.5	1212		4.155593	
4	3	13	59.5	1475	1680	5.256095	
5	1	13	72.4			6.782565	
6	2	13	79.2	1108		8.141202	
7	2	13	71.9	1450		9.081388	
8	1	13	85.5			10.608080	
9	2	13	61.2	1584		11.912192	

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	11	73.7			0.125258	
1	3	11	65.7	1343	1926	1.174807	
2	3	11	72.1	1687	1603	1.632968	
3	3	11	83.0	1323	1337	2.253291	
4	1	11	95.3			2.988061	
5	2	11	54.1	1171		3.472777	
6	2	11	58.2	1802		3.927965	
7	2	11	80.4	1190		4.936533	
8	1	11	78.4			5.324552	
9	3	11	76.7	1564	1252	5.833049	1
10	2	11	99.9	1203		6.479832	
11	1	11	60.6			7.052296	
12	2	11	91.9	1921		8.128382	
13	1	11	81.3			8.611159	
14	1	11	63.7			9.029026	
15	2	11	87.0	1030		9.480403	
16	2	11	76.8	1933		10.525371	
17	2	11	52.9	1097		10.985354	
18	2	11	70.0	1528		11.793037	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	94.9	1805		0.221674	
1	2	6	98.3	1668		1.425257	
2	2	6	84.5	1861		2.009499	
3	1	6	61.6			3.078233	
4	3	6	71.6	1131	1124	3.352817	
5	3	6	84.6	1422	1668	4.544700	
6	3	6	63.1	1969	1915	5.339544	
7	1	6	92.8			5.913308	1
8	1	6	70.3			6.979665	
9	1	6	68.0			7.296499	
10	2	6	72.0	1318		8.708996	
11	3	6	88.1	1810	1451	9.210145	
12	2	6	91.2	1021		9.888637	
13	2	6	72.6	1230		10.776183	
14	2	6	68.6	1235		11.464505	

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	19	55.0	1481		0.736356	1
1	2	19	72.0	1520		1.443447	
2	1	19	79.5			1.529989	
3	2	19	56.2	1232		2.382292	
4	2	19	84.1	1696		3.440287	
5	3	19	72.3	1183	1941	3.901262	
6	3	19	80.2	1789	1836	4.618367	
7	2	19	80.3	1581		5.438534	
8	2	19	95.9	1949		6.013857	
9	3	19	70.2	1903	1426	7.450243	
10	1	19	88.0			7.611947	
11	1	19	89.5			8.693718	
12	1	19	68.3			9.240681	
13	2	19	64.1	1446		9.755874	
14	1	19	69.0			11.017755	
15	2	19	72.3	1903		11.557074	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	73.1	1854		0.313718	0
1	3	12	74.7	1438	1891	1.329111	
2	2	12	80.3	1410		2.529008	
3	3	12	59.8	1967	1361	3.032297	
4	3	12	58.4	1968	1949	3.863926	
5	3	12	53.8	1769	1506	4.858403	
6	1	12	80.0			5.255297	
7	2	12	51.3	1160		6.464700	
8	2	12	81.6	1218		7.558390	
9	3	12	78.7	1096	1367	8.191911	
10	2	12	77.3	1669		9.322667	
11	1	12	76.7			9.983150	
12	2	12	62.2	1932		10.728890	
13	2	12	89.8	1617		11.521397	

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	97.6	1888		0.493912	0
1	1	10	77.4			1.273847	
2	2	10	94.2	1915		2.879615	
3	2	10	97.7	1108		3.796366	
4	3	10	58.0	1818	1239	5.059677	
5	2	10	76.7	1613		5.742170	
6	1	10	95.3			7.273716	
7	2	10	75.6	1890		8.336518	
8	3	10	63.8	1777	1758	9.777033	
9	2	10	54.3	1702		10.637301	
10	2	10	69.1	1555		11.116265	

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	19	57.5	1661		0.326359	1
1	2	19	55.5	1786		1.046855	
2	2	19	70.8	1185		1.962206	
3	1	19	51.0			2.609093	
4	3	19	54.4	1983	1144	2.717015	
5	3	19	80.0	1628	1518	3.497327	
6	2	19	94.4	1244		4.154457	
7	3	19	54.6	1882	1418	5.069796	
8	2	19	72.5	1853		5.979980	
9	3	19	92.1	1559	1922	6.510584	
10	2	19	60.1	1231		7.135196	
11	1	19	78.8			7.512006	
12	2	19	66.5	1873		8.397412	
13	3	19	68.9	1593	1356	9.316312	
14	2	19	57.6	1014		9.835548	
15	2	19	83.9	1333		10.438170	
16	3	19	79.5	1546	1126	10.689193	
17	2	19	96.8	1505		11.698084	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	64.3			0.584596	1
1	1	13	63.5			1.097832	
2	2	13	52.2	1799		2.526409	
3	2	13	99.6	1324		4.137478	
4	2	13	61.7	1897		4.490407	
5	3	13	90.6	1137	1431	5.917619	
6	1	13	58.9			7.260672	
7	2	13	57.1	1638		8.348761	
8	2	13	94.9	1722		9.519703	
9	1	13	58.2			10.141290	
10	2	13	80.7	1137		11.091551	

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	13	87.6			1.038666	1
1	1	13	94.4			1.467548	
2	2	13	51.4	1504		3.184339	
3	2	13	76.3	1048		4.191238	
4	2	13	76.3	1803		5.311268	
5	3	13	99.7	1481	1525	6.061892	
6	2	13	68.9	1458		8.033538	
7	1	13	66.2			8.830787	
8	2	13	53.8	1177		10.789394	
9	2	13	92.6	1363		10.921410	

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	14	97.1	1622		0.007975	
1	1	14	94.2			1.260736	
2	3	14	81.5	1653	1087	1.891170	
3	2	14	61.5	1162		3.078340	
4	2	14	99.1	1090		3.623922	
5	1	14	81.8			4.244082	
6	2	14	50.8	1406		5.120807	
7	3	14	77.9	1289	1373	5.909937	1
8	2	14	89.7	1036		6.816281	
9	2	14	70.1	1772		7.611277	
10	1	14	82.6			8.454719	
11	3	14	90.9	1403	1039	9.409009	
12	2	14	53.0	1794		9.606841	
13	1	14	97.0			11.078348	
14	2	14	67.3	1959		11.371032	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	59.3	1823		0.198260	1
1	2	19	74.4	1206		1.348322	
2	2	19	56.6	1325		1.840030	
3	2	19	90.3	1300		2.253712	
4	2	19	90.9	1910		3.703849	
5	2	19	55.9	1204		4.316592	
6	1	19	55.7			4.794418	
7	2	19	66.5	1038		5.812217	
8	2	19	59.9	1932		6.164827	
9	2	19	60.0	1616		7.446139	
10	3	19	85.3	1647	1441	8.057461	
11	2	19	68.8	1153		8.557102	
12	2	19	57.7	1713		9.224622	
13	2	19	54.2	1936		9.935388	
14	3	19	81.4	1293	1522	11.122436	
15	1	19	60.6			11.593989	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	83.1	1804		0.241155	1
1	2	18	70.5	1429		0.703465	
2	2	18	93.1	1714		1.533832	
3	2	18	99.8	1819		2.152670	
4	1	18	83.7			3.162685	
5	3	18	89.6	1304	1436	3.642694	
6	3	18	62.6	1002	1356	4.062365	
7	2	18	56.5	1839		4.947938	
8	1	18	96.7			5.467475	
9	2	18	76.4	1800		6.365987	
10	2	18	62.8	1941		6.857386	
11	3	18	58.4	1654	1565	7.984504	
12	1	18	72.7			8.243656	
13	3	18	98.2	1478	1877	8.699674	
14	2	18	89.3	1803		9.444078	
15	2	18	93.2	1160		10.544383	
16	1	18	88.5			11.324818	
17	2	18	79.7	1368		11.424465	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	62.0			1.283132	
1	2	14	71.9	1288		2.280328	
2	2	14	67.2	1452		3.237720	
3	3	14	92.3	1204	1038	4.898483	
4	1	14	53.5			5.673465	1
5	2	14	90.7	1025		6.697539	
6	1	14	67.7			8.536355	
7	2	14	80.9	1400		9.997806	
8	1	14	98.6			11.011760	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	74.9	1538	1432	0.128619	
1	1	15	93.9			1.009409	
2	2	15	57.9	1052		1.506416	
3	3	15	53.6	1366	1176	2.131161	
4	1	15	52.6			2.844041	
5	2	15	66.0	1875		3.635398	
6	3	15	91.2	1068	1332	3.820417	
7	2	15	68.3	1087		4.524205	
8	2	15	74.8	1602		5.620425	
9	2	15	63.6	1921		6.157466	1
10	2	15	85.6	1391		6.753410	
11	1	15	81.5			7.251328	
12	1	15	67.7			7.672892	
13	2	15	77.2	1008		8.377547	
14	1	15	56.6			9.446689	
15	1	15	73.3			9.806697	
16	1	15	97.9			10.425412	
17	3	15	51.1	1209	1523	11.143049	
18	3	15	94.7	1566	1439	11.725936	

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	11	98.5	1236	1738	0.401802	0
1	3	11	59.3	1413	1607	0.684269	
2	1	11	80.3			1.257921	
3	2	11	76.7	1091		2.283439	
4	3	11	86.8	1685	1683	2.752292	
5	2	11	94.2	1163		3.371508	
6	3	11	55.3	1041	1739	3.778743	
7	2	11	56.6	1199		4.629456	
8	2	11	73.1	1285		4.925786	
9	1	11	80.6			5.983948	
10	3	11	74.5	1891	1660	6.557946	
11	2	11	67.2	1387		6.922843	
12	2	11	76.1	1878		7.205518	
13	1	11	59.7			8.115234	
14	3	11	73.2	1339	1878	8.957094	
15	1	11	85.2			9.539828	
16	2	11	98.6	1492		9.975696	
17	1	11	99.9			10.594068	
18	3	11	62.3	1205	1397	11.260721	
19	3	11	67.9	1614	1653	11.623769	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	81.7	1034		0.502947	0
1	3	11	75.2	1947	1758	0.898188	
2	2	11	72.5	1614		2.157510	
3	2	11	59.6	1134		2.645313	
4	2	11	94.2	1319		3.776119	
5	2	11	56.4	1738		4.253901	
6	3	11	92.6	1729	1468	5.190195	
7	2	11	85.4	1171		5.707924	
8	2	11	71.0	1310		6.625945	
9	3	11	62.8	1101	1775	7.428074	
10	1	11	89.7			8.638577	
11	3	11	66.8	1971	1983	9.108116	
12	2	11	65.7	1021		10.319545	
13	1	11	87.2			11.027741	
14	2	11	54.3	1849		11.684538	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	79.6	1648		0.765839	
1	3	14	85.4	1453	1039	2.030482	
2	1	14	96.8			2.280589	
3	2	14	51.8	1775		3.470656	
4	2	14	95.7	1408		4.841455	
5	2	14	86.3	1541		5.738666	1
6	2	14	52.5	1379		6.611272	
7	1	14	96.0			8.136114	
8	2	14	77.2	1279		9.096545	
9	1	14	94.5			10.221281	
10	3	14	58.4	1685	1675	11.753556	

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	6	96.8	1522	1938	0.389725	
1	2	6	63.1	1347		1.125200	
2	3	6	52.9	1067	1934	1.260300	
3	3	6	77.8	1034	1677	2.149592	
4	2	6	53.1	1061		2.587137	
5	2	6	94.7	1275		3.404582	
6	2	6	71.5	1679		3.743384	
7	1	6	94.1			4.215767	
8	2	6	68.6	1363		5.384543	
9	2	6	60.4	1193		5.748597	
10	3	6	83.3	1037	1131	6.114288	1
11	2	6	77.5	1823		7.121991	
12	3	6	87.3	1106	1100	7.266614	
13	1	6	65.4			8.162980	
14	2	6	64.5	1496		8.424079	
15	3	6	81.2	1081	1980	9.478960	
16	3	6	91.7	1680	1357	9.966812	
17	1	6	79.4			10.247935	
18	1	6	94.8			11.106978	
19	3	6	84.2	1179	1796	11.649585	

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	6	86.1	1879	1736	0.269558	1
1	2	6	81.5	1467		1.102864	
2	2	6	62.9	1637		1.312387	
3	2	6	79.6	1034		2.115169	
4	2	6	66.1	1418		2.896178	
5	2	6	92.4	1321		3.378501	
6	1	6	59.5			3.896076	
7	2	6	83.0	1197		4.554683	
8	2	6	58.2	1895		5.318669	
9	2	6	78.6	1539		5.417917	
10	2	6	92.7	1928		6.245865	
11	1	6	69.3			6.685327	
12	2	6	77.6	1675		7.339962	
13	2	6	90.9	1087		7.829342	
14	3	6	99.0	1813	1648	8.858823	
15	1	6	78.7			9.132923	
16	1	6	98.0			10.027081	
17	2	6	81.6	1973		10.622833	
18	1	6	83.8			11.064498	
19	2	6	86.4	1064		11.718834	

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	5600.0, 5255.0, 5692.0, 5423.0, 5311.0, 5713.0, 5310.0, 5368.0, 5372.0, 5680.0, 5514.0, 5515.0, 5351.0, 5529.0, 5432.0, 5491.0, 5411.0, 5572.0, 5388.0, 5587.0, 5698.0, 5273.0, 5571.0, 5669.0, 5433.0, 5329.0, 5408.0, 5383.0, 5676.0, 5511.0, 5304.0, 5389.0, 5716.0, 5364.0, 5280.0, 5369.0, 5327.0, 5641.0, 5443.0, 5644.0, 5715.0, 5453.0, 5395.0, 5317.0, 5631.0, 5690.0, 5409.0, 5318.0, 5427.0, 5634.0, 5502.0, 5584.0, 5564.0, 5330.0, 5583.0, 5710.0, 5606.0, 5449.0, 5536.0, 5315.0, 5309.0, 5576.0, 5647.0, 5657.0, 5661.0, 5268.0, 5508.0, 5673.0, 5722.0, 5251.0, 5446.0, 5687.0, 5294.0, 5589.0, 5543.0, 5573.0, 5445.0, 5442.0, 5359.0, 5355.0, 5709.0, 5609.0, 5429.0, 5494.0, 5262.0, 5374.0, 5469.0, 5582.0, 5393.0, 5282.0, 5498.0, 5507.0, 5667.0, 5605.0, 5305.0, 5486.0, 5397.0, 5723.0, 5707.0, 5462.0 (number of hits: 8)
2	5510.0	9	1.0	333	1	5548.0, 5425.0, 5499.0, 5373.0, 5640.0, 5353.0, 5630.0, 5595.0, 5515.0, 5577.0, 5491.0, 5650.0, 5348.0, 5259.0, 5431.0, 5570.0, 5443.0, 5698.0, 5276.0, 5498.0, 5514.0, 5284.0, 5557.0, 5476.0, 5692.0, 5466.0, 5709.0, 5384.0, 5460.0, 5478.0, 5524.0, 5594.0, 5603.0, 5341.0, 5335.0, 5283.0, 5716.0, 5705.0, 5299.0, 5662.0, 5330.0, 5428.0, 5649.0, 5641.0, 5628.0, 5517.0, 5591.0, 5263.0, 5636.0, 5369.0, 5260.0, 5294.0, 5695.0, 5391.0, 5398.0, 5600.0, 5598.0, 5452.0, 5527.0, 5397.0, 5411.0, 5345.0, 5418.0, 5415.0, 5494.0, 5354.0, 5624.0, 5689.0, 5424.0, 5328.0, 5667.0, 5324.0, 5286.0, 5612.0, 5404.0, 5413.0, 5360.0, 5274.0, 5668.0, 5291.0, 5701.0, 5396.0, 5547.0, 5434.0, 5536.0, 5349.0, 5285.0, 5390.0, 5414.0, 5559.0, 5542.0, 5596.0, 5481.0, 5465.0, 5599.0, 5318.0, 5687.0, 5334.0, 5544.0, 5401.0 (number of hits: 8)
3	5510.0	9	1.0	333	1	5690.0, 5523.0, 5442.0, 5622.0, 5514.0, 5550.0, 5627.0, 5602.0, 5595.0, 5386.0, 5266.0, 5369.0, 5493.0, 5310.0, 5335.0, 5254.0, 5681.0, 5638.0, 5598.0, 5301.0, 5691.0, 5591.0, 5429.0, 5500.0, 5458.0, 5413.0, 5706.0, 5453.0, 5572.0, 5705.0, 5307.0, 5574.0, 5482.0, 5630.0, 5389.0, 5342.0, 5701.0, 5593.0, 5599.0, 5721.0, 5603.0, 5477.0, 5300.0, 5710.0, 5428.0, 5464.0, 5525.0, 5651.0, 5394.0, 5655.0, 5489.0, 5306.0, 5405.0, 5522.0, 5311.0, 5358.0, 5527.0, 5669.0, 5559.0, 5296.0, 5548.0, 5484.0, 5674.0, 5441.0, 5317.0, 5449.0, 5687.0, 5708.0, 5618.0, 5613.0, 5398.0, 5270.0, 5401.0, 5543.0, 5597.0, 5437.0, 5291.0, 5430.0, 5439.0, 5719.0, 5363.0, 5339.0, 5570.0, 5568.0, 5689.0, 5410.0, 5279.0, 5707.0, 5341.0, 5587.0, 5416.0, 5573.0, 5512.0, 5524.0, 5665.0, 5606.0, 5694.0, 5530.0, 5636.0, 5660.0 (number of hits: 9)
4	5510.0	9	1.0	333	1	5494.0, 5704.0, 5410.0, 5698.0, 5485.0, 5510.0, 5306.0, 5467.0, 5526.0, 5359.0, 5607.0, 5586.0, 5557.0, 5466.0, 5674.0, 5687.0, 5720.0, 5616.0, 5594.0, 5280.0, 5472.0, 5251.0, 5585.0, 5686.0, 5543.0, 5563.0, 5722.0, 5409.0, 5403.0, 5482.0, 5411.0, 5376.0, 5548.0, 5298.0, 5660.0, 5463.0, 5357.0, 5300.0, 5260.0, 5559.0, 5527.0, 5437.0, 5714.0, 5297.0, 5509.0, 5537.0, 5628.0, 5528.0, 5289.0, 5490.0, 5479.0, 5522.0, 5450.0, 5517.0, 5571.0, 5250.0, 5312.0, 5369.0, 5612.0, 5703.0, 5496.0, 5519.0, 5453.0, 5394.0, 5290.0, 5481.0, 5699.0, 5547.0, 5311.0, 5499.0, 5613.0, 5626.0, 5710.0, 5281.0, 5520.0, 5664.0, 5347.0, 5663.0, 5667.0, 5391.0, 5352.0, 5319.0, 5577.0, 5262.0, 5362.0, 5715.0, 5419.0, 5443.0, 5507.0, 5365.0, 5327.0, 5341.0, 5541.0, 5471.0, 5399.0, 5620.0, 5542.0, 5287.0, 5514.0, 5336.0 (number of hits: 13)
5	5510.0	9	1.0	333	1	5598.0, 5441.0, 5405.0, 5595.0, 5570.0, 5555.0, 5428.0, 5656.0, 5629.0, 5678.0, 5703.0, 5397.0, 5277.0, 5272.0, 5543.0, 5354.0, 5251.0, 5346.0, 5538.0, 5559.0, 5582.0, 5522.0, 5635.0, 5509.0, 5378.0, 5391.0, 5648.0, 5715.0, 5411.0, 5645.0, 5653.0, 5675.0,

						5359.0, 5528.0, 5705.0, 5457.0, 5720.0, 5621.0, 5342.0, 5401.0, 5513.0, 5382.0, 5586.0, 5439.0, 5517.0, 5721.0, 5453.0, 5318.0, 5319.0, 5281.0, 5483.0, 5308.0, 5371.0, 5551.0, 5417.0, 5379.0, 5355.0, 5444.0, 5546.0, 5531.0, 5331.0, 5612.0, 5663.0, 5527.0, 5668.0, 5529.0, 5647.0, 5599.0, 5593.0, 5427.0, 5370.0, 5317.0, 5421.0, 5572.0, 5561.0, 5442.0, 5505.0, 5611.0, 5380.0, 5389.0, 5292.0, 5683.0, 5402.0, 5540.0, 5347.0, 5662.0, 5333.0, 5639.0, 5466.0, 5424.0, 5657.0, 5394.0, 5416.0, 5562.0, 5532.0, 5640.0, 5284.0, 5335.0, 5443.0, 5667.0 (number of hits: 6)
6	5510.0	9	1.0	333	1	5451.0, 5411.0, 5623.0, 5530.0, 5453.0, 5470.0, 5270.0, 5514.0, 5265.0, 5486.0, 5559.0, 5607.0, 5383.0, 5645.0, 5621.0, 5378.0, 5566.0, 5554.0, 5423.0, 5437.0, 5581.0, 5289.0, 5565.0, 5679.0, 5371.0, 5285.0, 5363.0, 5400.0, 5397.0, 5385.0, 5407.0, 5523.0, 5605.0, 5339.0, 5563.0, 5703.0, 5593.0, 5428.0, 5520.0, 5516.0, 5280.0, 5603.0, 5649.0, 5498.0, 5450.0, 5483.0, 5521.0, 5434.0, 5394.0, 5262.0, 5461.0, 5415.0, 5694.0, 5502.0, 5381.0, 5533.0, 5535.0, 5384.0, 5452.0, 5653.0, 5443.0, 5637.0, 5654.0, 5537.0, 5417.0, 5721.0, 5612.0, 5406.0, 5303.0, 5304.0, 5651.0, 5361.0, 5408.0, 5317.0, 5492.0, 5493.0, 5690.0, 5572.0, 5588.0, 5266.0, 5484.0, 5666.0, 5374.0, 5362.0, 5709.0, 5379.0, 5261.0, 5585.0, 5490.0, 5392.0, 5473.0, 5627.0, 5312.0, 5319.0, 5597.0, 5353.0, 5614.0, 5504.0, 5447.0, 5718.0 (number of hits: 10)
7	5510.0	9	1.0	333	1	5534.0, 5627.0, 5712.0, 5290.0, 5361.0, 5346.0, 5467.0, 5700.0, 5273.0, 5382.0, 5349.0, 5390.0, 5562.0, 5552.0, 5344.0, 5252.0, 5311.0, 5659.0, 5509.0, 5601.0, 5411.0, 5592.0, 5357.0, 5676.0, 5435.0, 5342.0, 5547.0, 5282.0, 5613.0, 5503.0, 5604.0, 5379.0, 5556.0, 5445.0, 5692.0, 5307.0, 5605.0, 5476.0, 5504.0, 5444.0, 5500.0, 5278.0, 5288.0, 5536.0, 5338.0, 5512.0, 5724.0, 5558.0, 5602.0, 5292.0, 5254.0, 5599.0, 5719.0, 5619.0, 5511.0, 5484.0, 5421.0, 5406.0, 5555.0, 5672.0, 5505.0, 5284.0, 5433.0, 5610.0, 5285.0, 5261.0, 5533.0, 5396.0, 5516.0, 5612.0, 5264.0, 5704.0, 5515.0, 5268.0, 5709.0, 5350.0, 5702.0, 5573.0, 5362.0, 5334.0, 5370.0, 5698.0, 5595.0, 5525.0, 5308.0, 5600.0, 5259.0, 5473.0, 5451.0, 5262.0, 5257.0, 5528.0, 5413.0, 5682.0, 5632.0, 5315.0, 5501.0, 5446.0, 5335.0, 5291.0 (number of hits: 11)
8	5510.0	9	1.0	333	1	5356.0, 5340.0, 5433.0, 5505.0, 5352.0, 5645.0, 5501.0, 5479.0, 5330.0, 5288.0, 5447.0, 5571.0, 5534.0, 5380.0, 5436.0, 5360.0, 5518.0, 5487.0, 5259.0, 5509.0, 5590.0, 5318.0, 5365.0, 5699.0, 5483.0, 5528.0, 5282.0, 5624.0, 5499.0, 5522.0, 5295.0, 5362.0, 5394.0, 5493.0, 5296.0, 5416.0, 5290.0, 5324.0, 5585.0, 5708.0, 5258.0, 5308.0, 5257.0, 5467.0, 5317.0, 5529.0, 5675.0, 5278.0, 5707.0, 5252.0, 5478.0, 5653.0, 5679.0, 5364.0, 5658.0, 5500.0, 5702.0, 5616.0, 5383.0, 5621.0, 5434.0, 5513.0, 5686.0, 5454.0, 5350.0, 5489.0, 5305.0, 5379.0, 5628.0, 5525.0, 5361.0, 5390.0, 5711.0, 5648.0, 5378.0, 5508.0, 5268.0, 5543.0, 5555.0, 5674.0, 5706.0, 5410.0, 5545.0, 5572.0, 5351.0, 5504.0, 5631.0, 5326.0, 5466.0, 5468.0, 5388.0, 5495.0, 5299.0, 5440.0, 5538.0, 5406.0, 5334.0, 5262.0, 5452.0, 5637.0 (number of hits: 13)
9	5510.0	9	1.0	333	1	5363.0, 5626.0, 5482.0, 5432.0, 5375.0, 5705.0, 5420.0, 5632.0, 5352.0, 5703.0, 5680.0, 5374.0, 5427.0, 5317.0, 5304.0, 5512.0, 5428.0, 5507.0, 5678.0, 5609.0, 5625.0, 5596.0, 5588.0, 5696.0, 5434.0, 5337.0, 5416.0, 5537.0, 5698.0, 5655.0, 5423.0, 5533.0, 5551.0, 5557.0, 5573.0, 5528.0, 5615.0, 5300.0, 5544.0, 5702.0, 5708.0, 5299.0, 5699.0, 5717.0, 5382.0, 5331.0, 5460.0, 5651.0, 5594.0, 5386.0, 5365.0, 5369.0, 5296.0, 5673.0, 5258.0, 5712.0, 5440.0, 5407.0, 5652.0, 5670.0, 5472.0, 5289.0, 5562.0, 5348.0, 5320.0, 5581.0, 5282.0, 5350.0, 5301.0, 5710.0, 5325.0, 5567.0, 5721.0, 5444.0, 5339.0, 5483.0, 5476.0, 5384.0, 5418.0, 5397.0, 5391.0, 5370.0, 5453.0, 5349.0, 5395.0, 5564.0, 5385.0, 5364.0, 5477.0, 5343.0, 5341.0, 5623.0, 5353.0, 5527.0, 5619.0, 5412.0, 5322.0, 5647.0, 5505.0, 5262.0 (number of hits: 4)
10	5510.0	9	1.0	333	1	5450.0, 5360.0, 5254.0, 5441.0, 5308.0, 5343.0, 5573.0, 5442.0,

						5643.0, 5630.0, 5338.0, 5556.0, 5640.0, 5471.0, 5651.0, 5309.0, 5625.0, 5411.0, 5541.0, 5700.0, 5291.0, 5447.0, 5662.0, 5260.0, 5713.0, 5670.0, 5268.0, 5323.0, 5339.0, 5721.0, 5424.0, 5513.0, 5488.0, 5297.0, 5346.0, 5496.0, 5698.0, 5300.0, 5663.0, 5489.0, 5293.0, 5493.0, 5302.0, 5614.0, 5520.0, 5390.0, 5716.0, 5397.0, 5719.0, 5491.0, 5592.0, 5667.0, 5595.0, 5400.0, 5449.0, 5577.0, 5280.0, 5499.0, 5283.0, 5718.0, 5604.0, 5586.0, 5612.0, 5478.0, 5591.0, 5557.0, 5694.0, 5282.0, 5430.0, 5508.0, 5382.0, 5707.0, 5354.0, 5457.0, 5656.0, 5359.0, 5627.0, 5535.0, 5418.0, 5619.0, 5641.0, 5352.0, 5616.0, 5395.0, 5582.0, 5373.0, 5292.0, 5683.0, 5267.0, 5301.0, 5466.0, 5548.0, 5402.0, 5689.0, 5461.0, 5681.0, 5314.0, 5597.0, 5602.0, 5304.0 (number of hits: 6)
11	5510.0	9	1.0	333	1	5379.0, 5510.0, 5410.0, 5702.0, 5278.0, 5638.0, 5581.0, 5596.0, 5613.0, 5274.0, 5621.0, 5560.0, 5341.0, 5324.0, 5556.0, 5319.0, 5721.0, 5465.0, 5471.0, 5424.0, 5395.0, 5364.0, 5311.0, 5501.0, 5455.0, 5694.0, 5565.0, 5250.0, 5430.0, 5343.0, 5482.0, 5490.0, 5458.0, 5722.0, 5467.0, 5362.0, 5264.0, 5653.0, 5559.0, 5606.0, 5294.0, 5593.0, 5632.0, 5291.0, 5543.0, 5276.0, 5618.0, 5497.0, 5591.0, 5597.0, 5711.0, 5285.0, 5604.0, 5707.0, 5537.0, 5676.0, 5616.0, 5569.0, 5689.0, 5674.0, 5594.0, 5541.0, 5640.0, 5657.0, 5598.0, 5420.0, 5321.0, 5672.0, 5450.0, 5267.0, 5673.0, 5399.0, 5439.0, 5397.0, 5355.0, 5663.0, 5521.0, 5499.0, 5414.0, 5584.0, 5388.0, 5296.0, 5534.0, 5479.0, 5548.0, 5394.0, 5708.0, 5415.0, 5333.0, 5557.0, 5383.0, 5703.0, 5316.0, 5265.0, 5650.0, 5628.0, 5716.0, 5298.0, 5275.0, 5310.0 (number of hits: 5)
12	5510.0	9	1.0	333	1	5293.0, 5450.0, 5551.0, 5263.0, 5292.0, 5684.0, 5607.0, 5321.0, 5687.0, 5638.0, 5417.0, 5266.0, 5306.0, 5412.0, 5556.0, 5488.0, 5324.0, 5479.0, 5270.0, 5521.0, 5367.0, 5705.0, 5411.0, 5372.0, 5449.0, 5495.0, 5289.0, 5467.0, 5617.0, 5578.0, 5437.0, 5355.0, 5549.0, 5353.0, 5577.0, 5526.0, 5383.0, 5626.0, 5671.0, 5354.0, 5444.0, 5330.0, 5603.0, 5660.0, 5421.0, 5470.0, 5713.0, 5402.0, 5287.0, 5373.0, 5707.0, 5579.0, 5392.0, 5547.0, 5401.0, 5407.0, 5543.0, 5493.0, 5516.0, 5403.0, 5379.0, 5251.0, 5643.0, 5447.0, 5290.0, 5408.0, 5414.0, 5345.0, 5510.0, 5360.0, 5453.0, 5658.0, 5673.0, 5571.0, 5605.0, 5327.0, 5642.0, 5381.0, 5507.0, 5631.0, 5520.0, 5496.0, 5714.0, 5538.0, 5443.0, 5680.0, 5486.0, 5590.0, 5615.0, 5588.0, 5667.0, 5689.0, 5464.0, 5285.0, 5541.0, 5319.0, 5651.0, 5258.0, 5442.0, 5425.0 (number of hits: 9)
13	5510.0	9	1.0	333	1	5388.0, 5671.0, 5680.0, 5698.0, 5524.0, 5567.0, 5317.0, 5480.0, 5477.0, 5514.0, 5338.0, 5281.0, 5386.0, 5580.0, 5560.0, 5565.0, 5697.0, 5508.0, 5509.0, 5297.0, 5447.0, 5269.0, 5308.0, 5381.0, 5665.0, 5684.0, 5403.0, 5261.0, 5410.0, 5364.0, 5345.0, 5373.0, 5520.0, 5330.0, 5292.0, 5624.0, 5558.0, 5483.0, 5518.0, 5488.0, 5481.0, 5277.0, 5368.0, 5331.0, 5634.0, 5252.0, 5334.0, 5635.0, 5404.0, 5411.0, 5646.0, 5497.0, 5584.0, 5279.0, 5512.0, 5265.0, 5318.0, 5353.0, 5668.0, 5592.0, 5293.0, 5394.0, 5527.0, 5712.0, 5296.0, 5271.0, 5326.0, 5409.0, 5406.0, 5595.0, 5371.0, 5640.0, 5286.0, 5351.0, 5625.0, 5650.0, 5422.0, 5432.0, 5250.0, 5722.0, 5301.0, 5298.0, 5337.0, 5329.0, 5440.0, 5610.0, 5631.0, 5510.0, 5688.0, 5407.0, 5476.0, 5464.0, 5621.0, 5487.0, 5427.0, 5456.0, 5498.0, 5714.0, 5413.0, 5702.0 (number of hits: 11)
14	5510.0	9	1.0	333	1	5635.0, 5664.0, 5316.0, 5281.0, 5608.0, 5409.0, 5698.0, 5431.0, 5505.0, 5463.0, 5302.0, 5420.0, 5348.0, 5590.0, 5486.0, 5498.0, 5678.0, 5349.0, 5252.0, 5665.0, 5434.0, 5454.0, 5300.0, 5311.0, 5397.0, 5491.0, 5537.0, 5492.0, 5601.0, 5334.0, 5620.0, 5274.0, 5606.0, 5714.0, 5561.0, 5358.0, 5504.0, 5481.0, 5684.0, 5423.0, 5619.0, 5455.0, 5475.0, 5488.0, 5512.0, 5435.0, 5305.0, 5681.0, 5467.0, 5592.0, 5627.0, 5668.0, 5556.0, 5519.0, 5371.0, 5607.0, 5345.0, 5715.0, 5322.0, 5542.0, 5315.0, 5624.0, 5709.0, 5377.0, 5688.0, 5558.0, 5546.0, 5632.0, 5691.0, 5299.0, 5651.0, 5672.0, 5379.0, 5626.0, 5287.0, 5450.0, 5321.0, 5327.0, 5367.0, 5692.0, 5699.0, 5586.0, 5574.0, 5657.0, 5480.0, 5674.0, 5652.0, 5275.0,

						5690.0, 5333.0, 5447.0, 5438.0, 5544.0, 5422.0, 5271.0, 5712.0, 5516.0, 5317.0, 5392.0, 5530.0 (number of hits: 7)
15	5510.0	9	1.0	333	1	5556.0, 5325.0, 5712.0, 5268.0, 5657.0, 5408.0, 5513.0, 5530.0, 5362.0, 5464.0, 5544.0, 5500.0, 5484.0, 5421.0, 5282.0, 5450.0, 5496.0, 5422.0, 5266.0, 5275.0, 5361.0, 5568.0, 5374.0, 5471.0, 5457.0, 5300.0, 5523.0, 5330.0, 5424.0, 5707.0, 5719.0, 5720.0, 5596.0, 5661.0, 5477.0, 5488.0, 5549.0, 5524.0, 5252.0, 5404.0, 5510.0, 5550.0, 5535.0, 5386.0, 5478.0, 5614.0, 5570.0, 5407.0, 5564.0, 5621.0, 5315.0, 5572.0, 5676.0, 5519.0, 5337.0, 5675.0, 5713.0, 5439.0, 5586.0, 5575.0, 5626.0, 5588.0, 5489.0, 5668.0, 5709.0, 5648.0, 5658.0, 5503.0, 5334.0, 5618.0, 5688.0, 5627.0, 5359.0, 5506.0, 5446.0, 5501.0, 5396.0, 5443.0, 5347.0, 5402.0, 5436.0, 5379.0, 5498.0, 5250.0, 5573.0, 5293.0, 5509.0, 5401.0, 5526.0, 5377.0, 5376.0, 5338.0, 5473.0, 5485.0, 5364.0, 5600.0, 5429.0, 5410.0, 5289.0, 5511.0 (number of hits: 14)
16	5510.0	9	1.0	333	1	5376.0, 5558.0, 5258.0, 5631.0, 5457.0, 5437.0, 5517.0, 5361.0, 5526.0, 5267.0, 5667.0, 5606.0, 5337.0, 5413.0, 5277.0, 5449.0, 5718.0, 5285.0, 5287.0, 5322.0, 5492.0, 5387.0, 5484.0, 5391.0, 5441.0, 5597.0, 5359.0, 5290.0, 5367.0, 5559.0, 5632.0, 5273.0, 5370.0, 5428.0, 5535.0, 5415.0, 5482.0, 5706.0, 5406.0, 5365.0, 5654.0, 5461.0, 5458.0, 5664.0, 5254.0, 5350.0, 5423.0, 5724.0, 5311.0, 5658.0, 5593.0, 5716.0, 5434.0, 5485.0, 5609.0, 5537.0, 5699.0, 5445.0, 5710.0, 5596.0, 5380.0, 5628.0, 5576.0, 5335.0, 5645.0, 5521.0, 5393.0, 5688.0, 5662.0, 5673.0, 5552.0, 5272.0, 5312.0, 5363.0, 5621.0, 5412.0, 5585.0, 5656.0, 5496.0, 5513.0, 5320.0, 5518.0, 5326.0, 5551.0, 5407.0, 5550.0, 5505.0, 5472.0, 5703.0, 5554.0, 5568.0, 5711.0, 5571.0, 5336.0, 5264.0, 5468.0, 5436.0, 5607.0, 5618.0, 5268.0 (number of hits: 8)
17	5510.0	9	1.0	333	1	5513.0, 5522.0, 5448.0, 5455.0, 5273.0, 5340.0, 5254.0, 5572.0, 5678.0, 5277.0, 5598.0, 5461.0, 5634.0, 5650.0, 5604.0, 5593.0, 5384.0, 5318.0, 5405.0, 5441.0, 5573.0, 5561.0, 5270.0, 5670.0, 5617.0, 5521.0, 5720.0, 5615.0, 5396.0, 5525.0, 5517.0, 5633.0, 5507.0, 5687.0, 5319.0, 5423.0, 5618.0, 5456.0, 5412.0, 5714.0, 5322.0, 5354.0, 5724.0, 5275.0, 5511.0, 5694.0, 5418.0, 5691.0, 5628.0, 5504.0, 5404.0, 5554.0, 5378.0, 5518.0, 5398.0, 5520.0, 5505.0, 5481.0, 5296.0, 5497.0, 5308.0, 5480.0, 5708.0, 5472.0, 5666.0, 5403.0, 5464.0, 5303.0, 5488.0, 5450.0, 5542.0, 5265.0, 5570.0, 5639.0, 5581.0, 5712.0, 5574.0, 5475.0, 5619.0, 5713.0, 5306.0, 5323.0, 5401.0, 5501.0, 5515.0, 5327.0, 5452.0, 5402.0, 5414.0, 5454.0, 5623.0, 5662.0, 5342.0, 5529.0, 5289.0, 5294.0, 5645.0, 5391.0, 5266.0, 5514.0 (number of hits: 15)
18	5510.0	9	1.0	333	1	5588.0, 5683.0, 5460.0, 5658.0, 5699.0, 5299.0, 5615.0, 5253.0, 5610.0, 5290.0, 5384.0, 5573.0, 5448.0, 5608.0, 5644.0, 5397.0, 5544.0, 5338.0, 5414.0, 5432.0, 5534.0, 5462.0, 5561.0, 5366.0, 5377.0, 5314.0, 5352.0, 5583.0, 5599.0, 5472.0, 5251.0, 5546.0, 5505.0, 5328.0, 5335.0, 5330.0, 5364.0, 5721.0, 5318.0, 5486.0, 5271.0, 5527.0, 5677.0, 5670.0, 5427.0, 5389.0, 5488.0, 5591.0, 5713.0, 5538.0, 5324.0, 5521.0, 5513.0, 5386.0, 5601.0, 5385.0, 5688.0, 5305.0, 5400.0, 5455.0, 5712.0, 5709.0, 5394.0, 5399.0, 5254.0, 5473.0, 5555.0, 5256.0, 5574.0, 5493.0, 5295.0, 5294.0, 5393.0, 5665.0, 5556.0, 5477.0, 5592.0, 5607.0, 5609.0, 5283.0, 5526.0, 5640.0, 5718.0, 5510.0, 5458.0, 5485.0, 5519.0, 5518.0, 5463.0, 5702.0, 5523.0, 5539.0, 5593.0, 5269.0, 5690.0, 5354.0, 5359.0, 5277.0, 5686.0, 5560.0 (number of hits: 10)
19	5510.0	9	1.0	333	1	5511.0, 5574.0, 5411.0, 5493.0, 5488.0, 5561.0, 5250.0, 5441.0, 5539.0, 5342.0, 5648.0, 5418.0, 5472.0, 5471.0, 5572.0, 5460.0, 5419.0, 5332.0, 5680.0, 5616.0, 5671.0, 5500.0, 5718.0, 5640.0, 5388.0, 5623.0, 5563.0, 5534.0, 5627.0, 5622.0, 5496.0, 5369.0, 5717.0, 5286.0, 5601.0, 5341.0, 5660.0, 5446.0, 5281.0, 5506.0, 5370.0, 5452.0, 5395.0, 5283.0, 5532.0, 5650.0, 5670.0, 5484.0, 5276.0, 5612.0, 5533.0, 5565.0, 5681.0, 5291.0, 5543.0, 5350.0, 5575.0, 5368.0, 5545.0, 5305.0, 5314.0, 5340.0, 5270.0, 5337.0,

						5331.0, 5664.0, 5313.0, 5501.0, 5269.0, 5296.0, 5403.0, 5298.0, 5554.0, 5614.0, 5666.0, 5449.0, 5437.0, 5307.0, 5295.0, 5351.0, 5609.0, 5431.0, 5577.0, 5668.0, 5406.0, 5615.0, 5334.0, 5525.0, 5459.0, 5475.0, 5642.0, 5654.0, 5711.0, 5336.0, 5584.0, 5416.0, 5447.0, 5537.0, 5309.0, 5262.0 (number of hits: 7)
20	5510.0	9	1.0	333	1	5600.0, 5667.0, 5295.0, 5658.0, 5470.0, 5455.0, 5442.0, 5481.0, 5473.0, 5334.0, 5362.0, 5460.0, 5269.0, 5281.0, 5330.0, 5681.0, 5377.0, 5695.0, 5423.0, 5572.0, 5433.0, 5299.0, 5279.0, 5408.0, 5579.0, 5706.0, 5300.0, 5267.0, 5670.0, 5567.0, 5639.0, 5478.0, 5384.0, 5310.0, 5341.0, 5319.0, 5617.0, 5266.0, 5689.0, 5283.0, 5619.0, 5593.0, 5393.0, 5293.0, 5385.0, 5662.0, 5466.0, 5694.0, 5626.0, 5723.0, 5367.0, 5285.0, 5618.0, 5476.0, 5592.0, 5335.0, 5607.0, 5595.0, 5622.0, 5432.0, 5624.0, 5671.0, 5484.0, 5395.0, 5656.0, 5352.0, 5462.0, 5690.0, 5674.0, 5713.0, 5719.0, 5337.0, 5604.0, 5397.0, 5541.0, 5458.0, 5399.0, 5500.0, 5431.0, 5608.0, 5382.0, 5638.0, 5316.0, 5535.0, 5415.0, 5515.0, 5514.0, 5575.0, 5635.0, 5554.0, 5421.0, 5378.0, 5357.0, 5479.0, 5705.0, 5256.0, 5410.0, 5564.0, 5348.0, 5405.0 (number of hits: 3)
21	5510.0	9	1.0	333	1	5553.0, 5422.0, 5406.0, 5498.0, 5497.0, 5547.0, 5405.0, 5504.0, 5392.0, 5309.0, 5486.0, 5711.0, 5718.0, 5603.0, 5687.0, 5502.0, 5685.0, 5688.0, 5297.0, 5263.0, 5704.0, 5265.0, 5517.0, 5495.0, 5716.0, 5629.0, 5407.0, 5567.0, 5335.0, 5670.0, 5681.0, 5361.0, 5609.0, 5607.0, 5475.0, 5577.0, 5565.0, 5705.0, 5503.0, 5435.0, 5428.0, 5684.0, 5640.0, 5271.0, 5378.0, 5339.0, 5425.0, 5634.0, 5327.0, 5448.0, 5519.0, 5286.0, 5303.0, 5471.0, 5280.0, 5257.0, 5643.0, 5595.0, 5627.0, 5494.0, 5267.0, 5285.0, 5383.0, 5659.0, 5440.0, 5487.0, 5511.0, 5416.0, 5457.0, 5689.0, 5678.0, 5642.0, 5394.0, 5438.0, 5576.0, 5466.0, 5346.0, 5304.0, 5641.0, 5385.0, 5702.0, 5493.0, 5551.0, 5381.0, 5545.0, 5693.0, 5523.0, 5633.0, 5561.0, 5453.0, 5571.0, 5268.0, 5444.0, 5665.0, 5516.0, 5391.0, 5692.0, 5579.0, 5399.0, 5479.0 (number of hits: 13)
22	5510.0	9	1.0	333	1	5517.0, 5354.0, 5572.0, 5403.0, 5537.0, 5638.0, 5339.0, 5574.0, 5394.0, 5347.0, 5604.0, 5685.0, 5292.0, 5717.0, 5573.0, 5648.0, 5686.0, 5681.0, 5539.0, 5618.0, 5295.0, 5640.0, 5276.0, 5593.0, 5384.0, 5415.0, 5564.0, 5524.0, 5326.0, 5322.0, 5312.0, 5577.0, 5688.0, 5356.0, 5659.0, 5372.0, 5333.0, 5719.0, 5404.0, 5406.0, 5311.0, 5402.0, 5377.0, 5315.0, 5438.0, 5671.0, 5676.0, 5320.0, 5259.0, 5665.0, 5338.0, 5471.0, 5389.0, 5605.0, 5446.0, 5538.0, 5628.0, 5540.0, 5457.0, 5683.0, 5380.0, 5253.0, 5527.0, 5530.0, 5439.0, 5472.0, 5441.0, 5484.0, 5371.0, 5288.0, 5600.0, 5545.0, 5674.0, 5260.0, 5558.0, 5694.0, 5663.0, 5302.0, 5518.0, 5654.0, 5327.0, 5411.0, 5603.0, 5461.0, 5534.0, 5660.0, 5650.0, 5679.0, 5433.0, 5265.0, 5285.0, 5419.0, 5335.0, 5280.0, 5452.0, 5715.0, 5331.0, 5257.0, 5353.0, 5521.0 (number of hits: 5)
23	5510.0	9	1.0	333	1	5290.0, 5358.0, 5709.0, 5628.0, 5587.0, 5655.0, 5309.0, 5337.0, 5575.0, 5330.0, 5281.0, 5315.0, 5391.0, 5680.0, 5656.0, 5332.0, 5443.0, 5711.0, 5591.0, 5501.0, 5547.0, 5665.0, 5705.0, 5563.0, 5686.0, 5307.0, 5576.0, 5564.0, 5385.0, 5267.0, 5723.0, 5674.0, 5396.0, 5592.0, 5595.0, 5718.0, 5354.0, 5604.0, 5684.0, 5299.0, 5713.0, 5485.0, 5261.0, 5435.0, 5469.0, 5578.0, 5461.0, 5319.0, 5362.0, 5558.0, 5603.0, 5700.0, 5384.0, 5371.0, 5350.0, 5548.0, 5367.0, 5482.0, 5567.0, 5694.0, 5693.0, 5387.0, 5677.0, 5632.0, 5689.0, 5353.0, 5624.0, 5638.0, 5481.0, 5527.0, 5601.0, 5642.0, 5321.0, 5432.0, 5719.0, 5413.0, 5412.0, 5663.0, 5473.0, 5275.0, 5635.0, 5557.0, 5293.0, 5646.0, 5284.0, 5512.0, 5314.0, 5460.0, 5464.0, 5659.0, 5395.0, 5608.0, 5535.0, 5616.0, 5376.0, 5382.0, 5433.0, 5636.0, 5554.0, 5619.0 (number of hits: 3)
24	5510.0	9	1.0	333	1	5659.0, 5343.0, 5632.0, 5491.0, 5346.0, 5254.0, 5394.0, 5303.0, 5452.0, 5398.0, 5670.0, 5477.0, 5369.0, 5713.0, 5417.0, 5278.0, 5273.0, 5441.0, 5501.0, 5493.0, 5407.0, 5634.0, 5345.0, 5628.0, 5251.0, 5386.0, 5380.0, 5280.0, 5408.0, 5355.0, 5651.0, 5531.0, 5476.0, 5571.0, 5631.0, 5288.0, 5696.0, 5636.0, 5600.0, 5592.0,

						5365.0, 5402.0, 5715.0, 5384.0, 5314.0, 5678.0, 5647.0, 5323.0, 5620.0, 5446.0, 5512.0, 5645.0, 5570.0, 5257.0, 5517.0, 5502.0, 5672.0, 5270.0, 5435.0, 5604.0, 5325.0, 5664.0, 5329.0, 5525.0, 5483.0, 5392.0, 5268.0, 5424.0, 5661.0, 5671.0, 5307.0, 5683.0, 5617.0, 5335.0, 5552.0, 5694.0, 5308.0, 5327.0, 5412.0, 5261.0, 5591.0, 5290.0, 5699.0, 5569.0, 5267.0, 5475.0, 5673.0, 5716.0, 5638.0, 5513.0, 5663.0, 5414.0, 5521.0, 5277.0, 5614.0, 5622.0, 5665.0, 5305.0, 5722.0, 5514.0 (number of hits: 9)
25	5510.0	9	1.0	333	1	5707.0, 5549.0, 5668.0, 5350.0, 5390.0, 5547.0, 5377.0, 5488.0, 5388.0, 5714.0, 5389.0, 5662.0, 5601.0, 5519.0, 5551.0, 5260.0, 5613.0, 5446.0, 5379.0, 5339.0, 5475.0, 5401.0, 5436.0, 5620.0, 5633.0, 5405.0, 5450.0, 5268.0, 5713.0, 5482.0, 5481.0, 5530.0, 5606.0, 5659.0, 5280.0, 5432.0, 5695.0, 5403.0, 5500.0, 5465.0, 5597.0, 5619.0, 5674.0, 5282.0, 5283.0, 5406.0, 5706.0, 5463.0, 5672.0, 5281.0, 5590.0, 5473.0, 5545.0, 5586.0, 5715.0, 5637.0, 5501.0, 5330.0, 5396.0, 5600.0, 5562.0, 5383.0, 5718.0, 5419.0, 5563.0, 5324.0, 5528.0, 5556.0, 5535.0, 5689.0, 5305.0, 5304.0, 5593.0, 5300.0, 5508.0, 5505.0, 5640.0, 5614.0, 5327.0, 5476.0, 5503.0, 5708.0, 5325.0, 5369.0, 5502.0, 5709.0, 5323.0, 5580.0, 5611.0, 5376.0, 5299.0, 5319.0, 5270.0, 5494.0, 5385.0, 5262.0, 5641.0, 5346.0, 5256.0, 5253.0 (number of hits: 8)
26	5510.0	9	1.0	333	1	5264.0, 5702.0, 5348.0, 5461.0, 5449.0, 5541.0, 5675.0, 5509.0, 5665.0, 5686.0, 5390.0, 5516.0, 5650.0, 5465.0, 5514.0, 5533.0, 5329.0, 5618.0, 5690.0, 5697.0, 5374.0, 5337.0, 5381.0, 5499.0, 5484.0, 5428.0, 5517.0, 5413.0, 5529.0, 5266.0, 5455.0, 5701.0, 5542.0, 5497.0, 5482.0, 5711.0, 5720.0, 5281.0, 5391.0, 5540.0, 5523.0, 5288.0, 5673.0, 5283.0, 5255.0, 5407.0, 5445.0, 5336.0, 5600.0, 5631.0, 5508.0, 5278.0, 5625.0, 5401.0, 5379.0, 5601.0, 5667.0, 5493.0, 5703.0, 5365.0, 5300.0, 5560.0, 5696.0, 5580.0, 5272.0, 5480.0, 5506.0, 5367.0, 5554.0, 5611.0, 5568.0, 5253.0, 5581.0, 5677.0, 5640.0, 5324.0, 5363.0, 5666.0, 5432.0, 5692.0, 5495.0, 5284.0, 5290.0, 5358.0, 5544.0, 5323.0, 5372.0, 5645.0, 5369.0, 5364.0, 5669.0, 5386.0, 5586.0, 5630.0, 5647.0, 5259.0, 5315.0, 5679.0, 5510.0, 5594.0 (number of hits: 12)
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28	5510.0	9	1.0	333	1	5608.0, 5658.0, 5491.0, 5437.0, 5344.0, 5372.0, 5474.0, 5597.0, 5492.0, 5660.0, 5324.0, 5410.0, 5642.0, 5429.0, 5691.0, 5290.0, 5592.0, 5713.0, 5349.0, 5333.0, 5314.0, 5603.0, 5362.0, 5532.0, 5258.0, 5643.0, 5657.0, 5677.0, 5650.0, 5661.0, 5361.0, 5340.0, 5403.0, 5263.0, 5678.0, 5488.0, 5281.0, 5584.0, 5399.0, 5376.0, 5257.0, 5647.0, 5428.0, 5611.0, 5397.0, 5275.0, 5412.0, 5549.0, 5336.0, 5645.0, 5465.0, 5468.0, 5554.0, 5625.0, 5354.0, 5569.0, 5706.0, 5329.0, 5595.0, 5624.0, 5697.0, 5712.0, 5440.0, 5535.0, 5272.0, 5557.0, 5389.0, 5613.0, 5424.0, 5572.0, 5674.0, 5446.0, 5315.0, 5296.0, 5682.0, 5367.0, 5351.0, 5659.0, 5377.0, 5654.0, 5628.0, 5591.0, 5485.0, 5317.0, 5430.0, 5553.0, 5379.0, 5414.0, 5517.0, 5501.0, 5294.0, 5436.0, 5449.0, 5633.0, 5544.0, 5381.0, 5683.0, 5634.0, 5583.0, 5694.0 (number of hits: 3)
29	5510.0	9	1.0	333	1	5422.0, 5686.0, 5578.0, 5421.0, 5697.0, 5617.0, 5691.0, 5648.0, 5446.0, 5408.0, 5313.0, 5317.0, 5593.0, 5449.0, 5566.0, 5474.0,

						5517.0, 5375.0, 5363.0, 5457.0, 5619.0, 5334.0, 5535.0, 5283.0, 5309.0, 5466.0, 5336.0, 5621.0, 5653.0, 5665.0, 5345.0, 5514.0, 5550.0, 5614.0, 5712.0, 5307.0, 5597.0, 5486.0, 5487.0, 5461.0, 5527.0, 5456.0, 5331.0, 5567.0, 5649.0, 5337.0, 5319.0, 5591.0, 5522.0, 5631.0, 5558.0, 5508.0, 5420.0, 5468.0, 5664.0, 5565.0, 5592.0, 5584.0, 5721.0, 5677.0, 5605.0, 5714.0, 5635.0, 5545.0, 5442.0, 5538.0, 5646.0, 5557.0, 5268.0, 5481.0, 5294.0, 5497.0, 5364.0, 5390.0, 5311.0, 5713.0, 5413.0, 5347.0, 5275.0, 5615.0, 5510.0, 5532.0, 5280.0, 5506.0, 5253.0, 5551.0, 5623.0, 5385.0, 5630.0, 5515.0, 5608.0, 5428.0, 5257.0, 5633.0, 5384.0, 5278.0, 5450.0, 5338.0, 5400.0, 5471.0 (number of hits: 9)
30	5510.0	9	1.0	333	1	5584.0, 5527.0, 5658.0, 5284.0, 5576.0, 5622.0, 5403.0, 5374.0, 5587.0, 5600.0, 5474.0, 5529.0, 5282.0, 5377.0, 5438.0, 5704.0, 5539.0, 5650.0, 5331.0, 5319.0, 5355.0, 5444.0, 5503.0, 5440.0, 5505.0, 5425.0, 5336.0, 5599.0, 5276.0, 5673.0, 5435.0, 5428.0, 5482.0, 5389.0, 5692.0, 5718.0, 5351.0, 5450.0, 5625.0, 5347.0, 5671.0, 5431.0, 5326.0, 5624.0, 5716.0, 5275.0, 5660.0, 5623.0, 5678.0, 5603.0, 5390.0, 5668.0, 5685.0, 5303.0, 5256.0, 5349.0, 5475.0, 5717.0, 5295.0, 5430.0, 5618.0, 5264.0, 5400.0, 5575.0, 5484.0, 5619.0, 5512.0, 5259.0, 5679.0, 5423.0, 5291.0, 5472.0, 5340.0, 5501.0, 5300.0, 5419.0, 5561.0, 5657.0, 5615.0, 5263.0, 5494.0, 5533.0, 5396.0, 5695.0, 5391.0, 5628.0, 5316.0, 5306.0, 5385.0, 5627.0, 5594.0, 5366.0, 5253.0, 5656.0, 5519.0, 5506.0, 5644.0, 5393.0, 5323.0, 5697.0 (number of hits: 8)

10 Annex A - EUT DFS Setup Photographs

Please refer to the attachment

11 Annex B (Normative) - A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets A2LA R222 - *Specific Requirements EPA ENERGY STAR Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 10th day of March 2021.

Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3297.02
Valid to December 31, 2022
Revised November 15, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

Please follow the web link below for a full ISO 17025 scope

https://www.a2la.org/scopepdf/3297-02.pdf

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