FCC PART 15.407
IC RSS-247, ISSUE 1, MAY 2015
DYNAMIC FREQUENCY SELECTION
TEST AND MEASUREMENT REPORT

For

Fortinet, Inc.

899 Kifer Road,

Sunnyvale, CA 94086, USA

FCC ID: TVE-28166011
IC: 7280B-28166011

Report Type:	Product Type:
Original Report	Secured Wireless Access Point

Prepared By:	Xiao Lin Test Engineer	
Report Number:	R1609293-DFS	
Report Date:	2016-11-28	
Reviewed By:	Bo Li RF Supervisor	

Bay Area Compliance Laboratories Corporation (BACL)
1274 Anvilwood Avenue,
Sunnyvale, CA 94089, USA
Tel: 1 (408) 732-9162
Fax: 1 (408) 732-9164

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1609293-DFS	Original	2016-11-28

1   General Description

1.1   Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of the *Fortinet, Inc.* and their product Models: FORTIAP-421E, FortiAP 421E, FAP-421E, FORTIAP-423E, FortiAP 423E, FAP-423E which will henceforth be referred to as the EUT (Equipment under Test). The EUT is an Secured Wireless Access Point.

1.2   Mechanical Description of EUT

The EUT (*FAP-423E/FAP-421E*) measures approximately 213 (L) x 213(W) x 50(H) mm without external antenna. It weighs approximately 1.2kg.

The data gathered are from production sample provided by the manufacturer, serial number: R1609293-1, assigned by BACL.

1.3   Objective

This report is prepared on behalf of *Fortinet, Inc*. in accordance with FCC CFR47 §15.407 (h) & RSS 247 §6.3 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

1.4   Related Submittal(s)/Grant(s)

N/A

1.5   Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

RSS 247 §6.3

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 17025:2005 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 17025:2005 Scope of Accreditation includes all of the Test Method Standards and/or the Product Family Standards detailed in this Test Report..

BACL's ISO/IEC 17025:2005 Scope of Accreditation includes a comprehensive suite of EMC Emissions, EMC Immunity, Radio, RF Exposure, Safety and wireline Telecommunications test methods applicable to a wide range of product categories. These product categories include Central Office Telecommunications Equipment [including NEBS - Network Equipment Building Systems], Unlicensed and Licensed Wireless and RF devices, Information Technology Equipment (ITE); Telecommunications Terminal Equipment (TTE); Medical Electrical Equipment; Industrial, Scientific and Medical Test Equipment; Professional Audio and Video Equipment; Industrial and Scientific Instruments and Laboratory Apparatus; Cable Distribution Systems, and Energy Efficient Lighting.

B- *A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 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: (Industry Canada - IC) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
    o BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;
    o NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
    o EMC Directive 2014/30/EC US-EU EMC & Telecom MRA CAB
    o Radio & Teleterminal Equipment (R&TTE) Directive 1995/5/EC
        US -EU EMC & Telecom MRA CAB
  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 Development Authority - IDA) APEC Tel MRA -Phase I & Phase II;
- Japan: VCCI - Voluntary Control Council for Interference US-Japan Telecom Treaty VCCI Side Letter-
- USA:
    o ENERGY STAR Recognized Test Laboratory – US EPA
    o Telecommunications Certification Body (TCB) – US FCC;
- Vietnam: APEC Tel MRA -Phase I;

2   EUT Test Configuration

2.1   Justification

The EUT was configured for testing according to FCC CFR47 §15.407 (h) & RSS 247 §6.3, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

2.2   EUT Exercise Software

The software used to control the EUT was FOS version 5.0

2.3   Equipment Modifications

N/A

2.4   Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell Inc.	Laptop	E6410	N/A
Fortinet	Controller	FWF-60D	FWF60D4614012915

2.5   Interface Ports and Cables

Cable Description	Length (M)	From	To
RJ 45 (CAT 5)	< 3	Controller	POE
RJ 45 (CAT 5)	<3	Supporting Laptop	Controller
RJ 45 (CAT 5)	<3	AP	POE
Serial Cable	<3	AP	Supporting Laptop

2.6   Power Supply and Line Filters

Manufacturer	Description	Model	Part Number
N/A	POE injector	N/A	N/A

3   Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h) & RSS 247 §6.3, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02. This report is to update from KDB: 905462 D02 UNII DFS Compliance Procedures Old rules v01 to KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

4   Applicable Standards

4.1   DFS Requirement

FCC CFR47 §15.407 (h) & RSS 247 §6.3, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

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

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

Table 4: DFS Response Requirement Values

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

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

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

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

Table 5: Short Pulse Radar Test Waveforms

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

Table 6: Long Pulse Radar Test Signal

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

Table 7: Frequency Hopping Radar Test Signal

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

4.2   DFS Measurement System

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

4.3   System Block Diagram
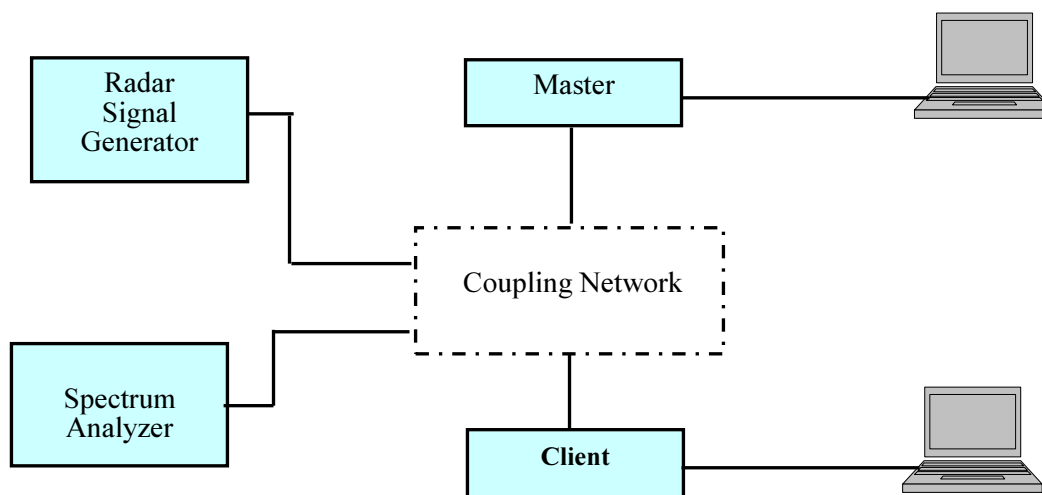
4.4   Conducted Method
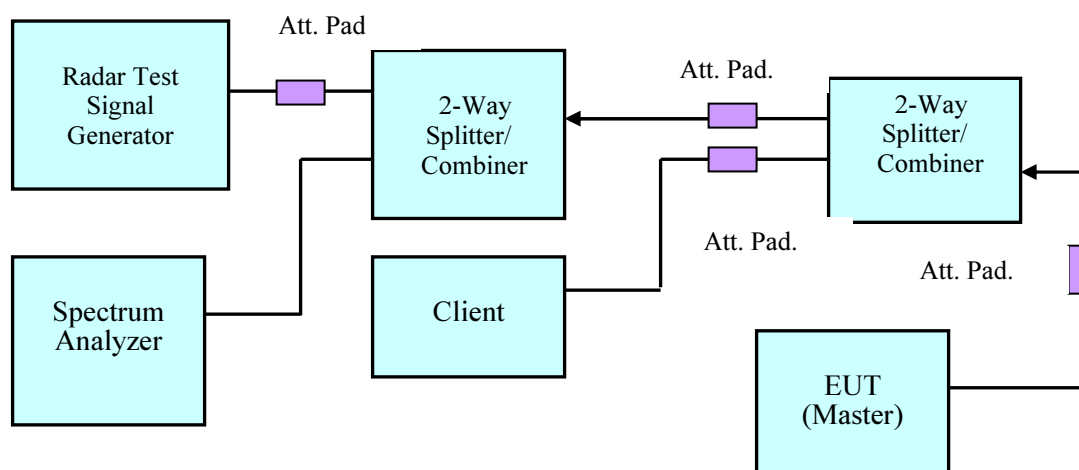
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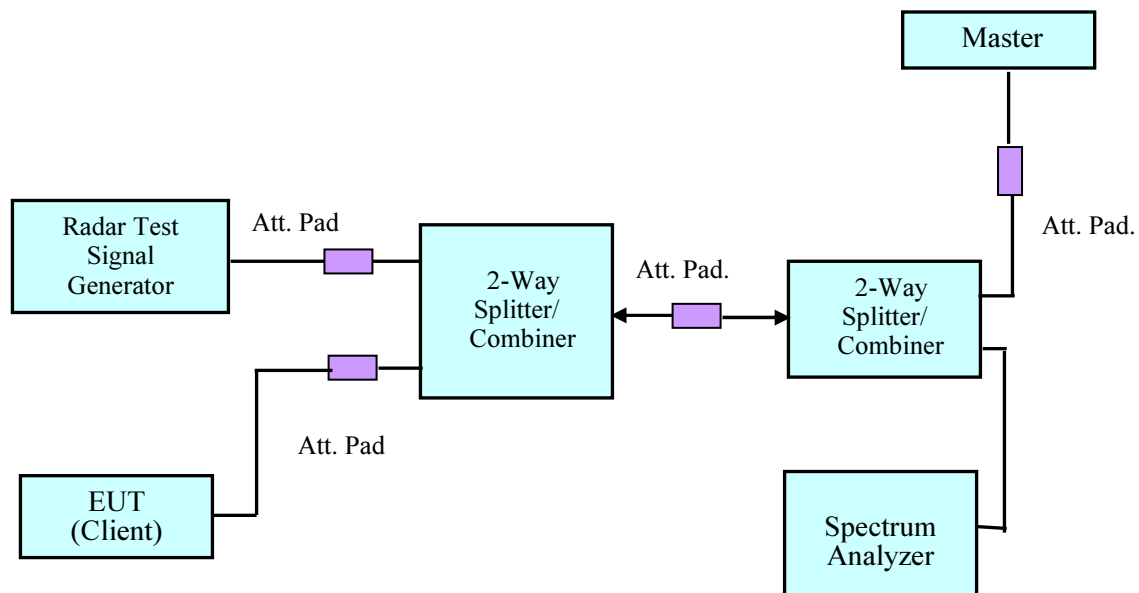
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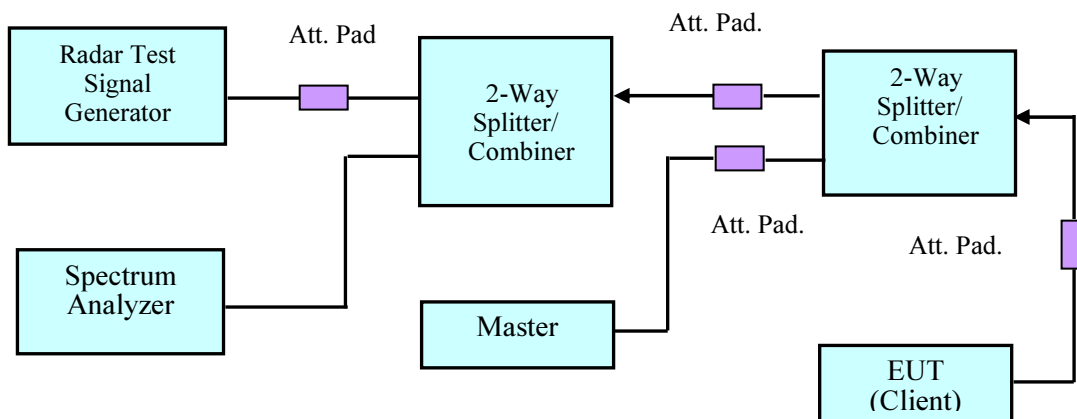
Setup for Client with injection at the Client

4.5   Radiated Method
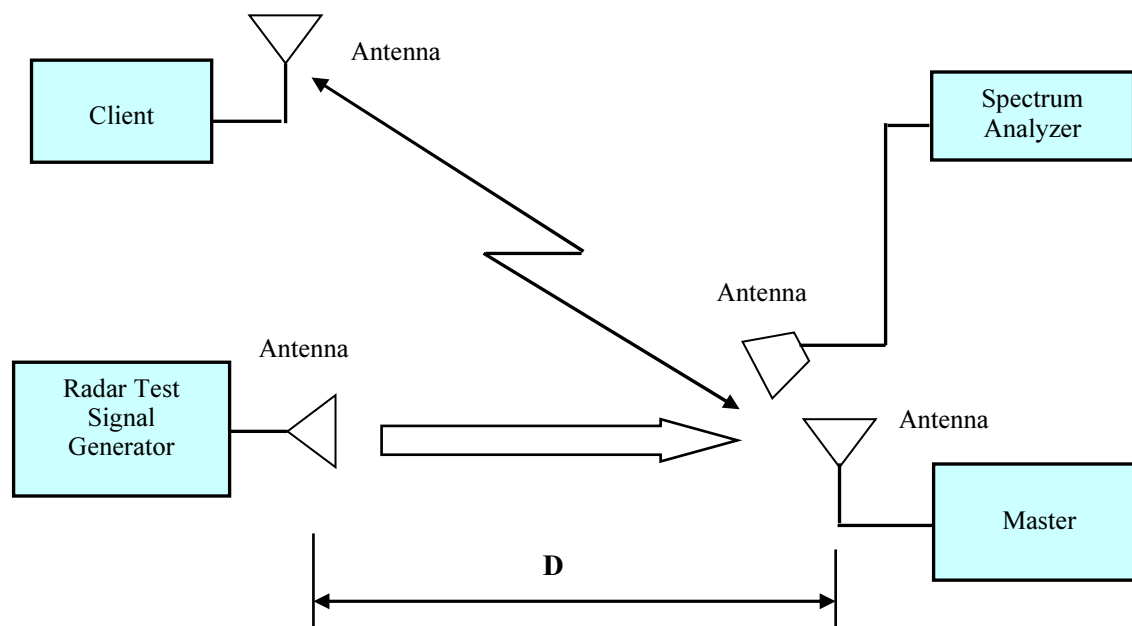
4.6   Test Procedure

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

5   Test Results

5.1   Description of EUT

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

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

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

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

The EUT (FAP-423E) was tested with the 3.18dBi gain antenna.

5.2   Antenna Description

Model	Antenna Type	Antenna Gain (dBi) @ 5 GHz
FAP-423E	Dipole	3.18
FAP-421E	Dipole	5.84

5.3   Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A	N/A
Agilent	Analyzer, Spectrum	E4440A	US45303156	2016-01-19	1 year
A.R.A.	Antenna Horn	DRG-118/A	1132	2016-01-29	2 years
EMCO	Antenna Horn	3115	9511-4627	2015-10-17	2 years
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	N/A	N/A
Narda	Splitter/Combiner	4326B-2	03514	N/A	N/A
Midwest	Attenuator	290-30	N/A	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A	N/A

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

5.4   Radar Waveform Calibration
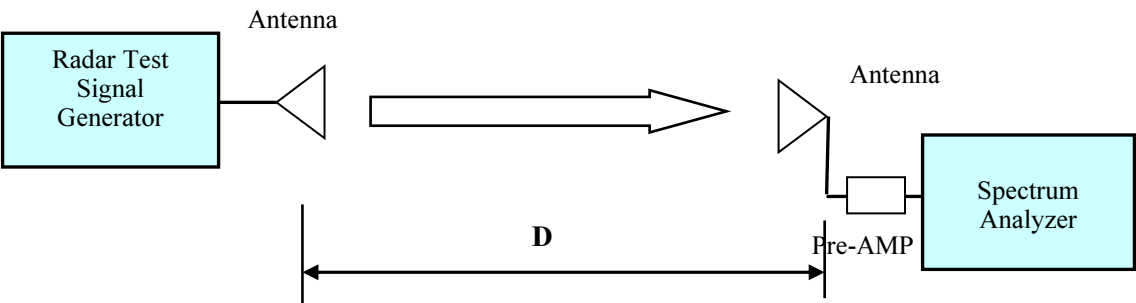
Radiated Calibration Setup Block Diagram

5.5   Test Environmental Conditions

Temperature:	23-25° C
Relative Humidity:	37-42 %
ATM Pressure:	101.5 kPa

Testing performed by Xiao Lin and Kevin Wang from 2016-10-17 to 2016-10-19 at DFS testing site.

Plots of Radar Waveforms

5280 MHz

Radar Type 0
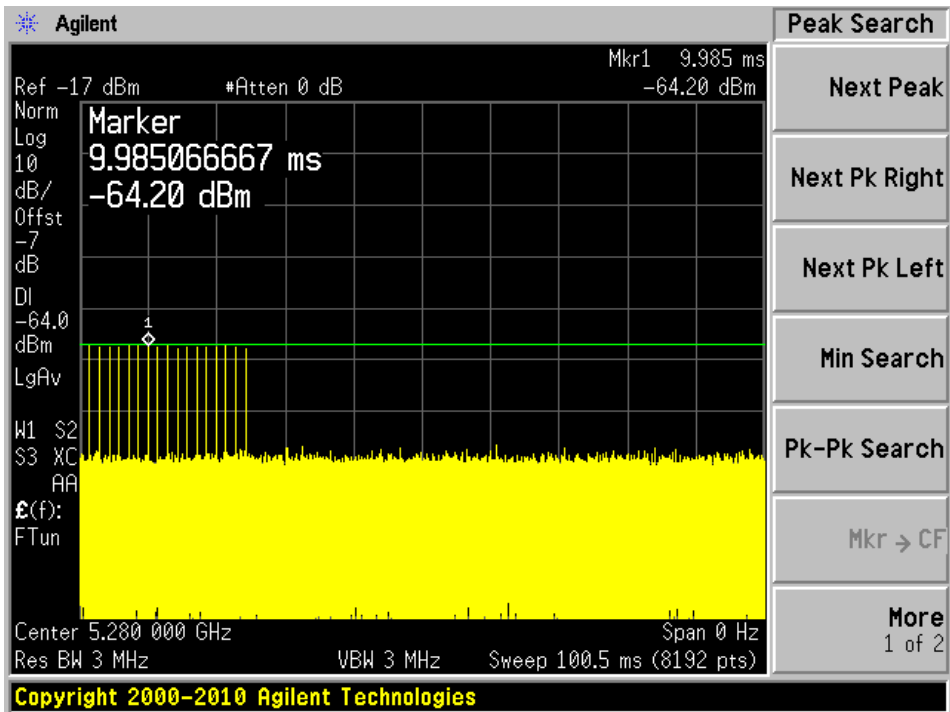
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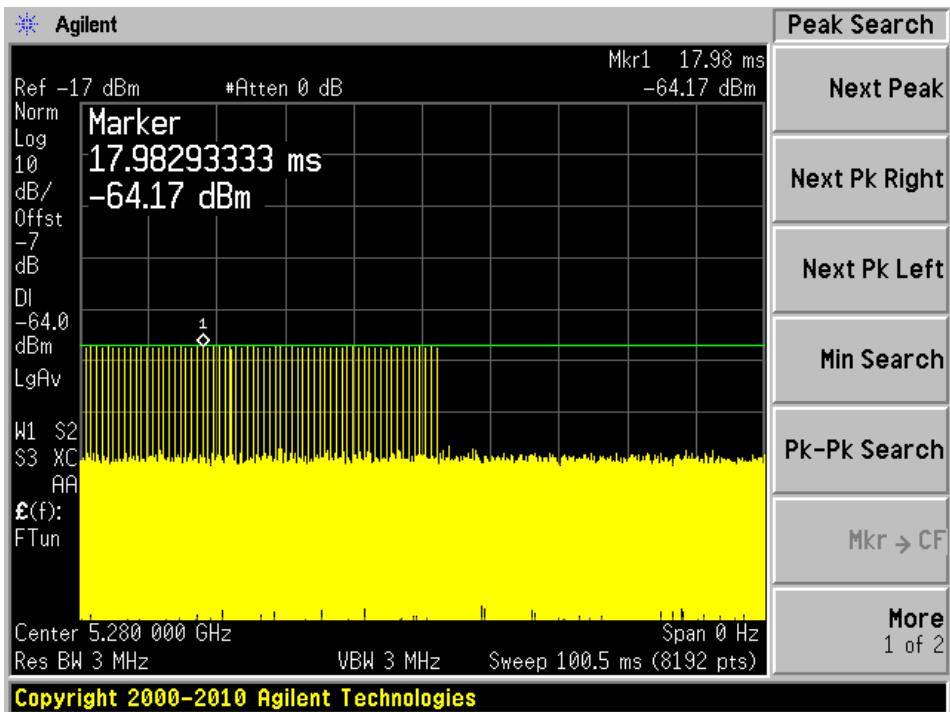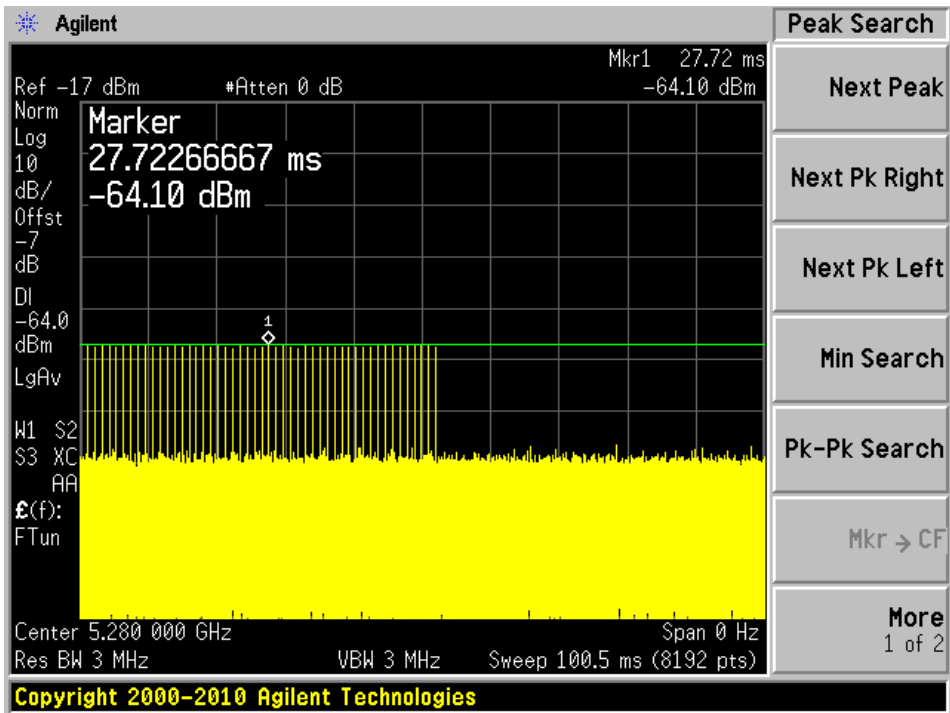
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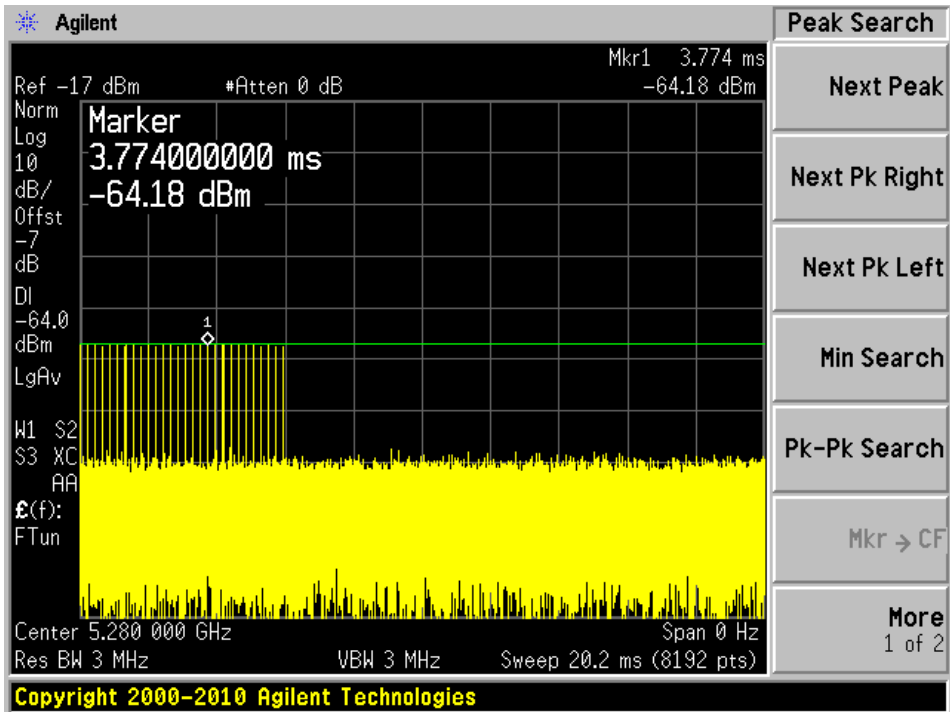
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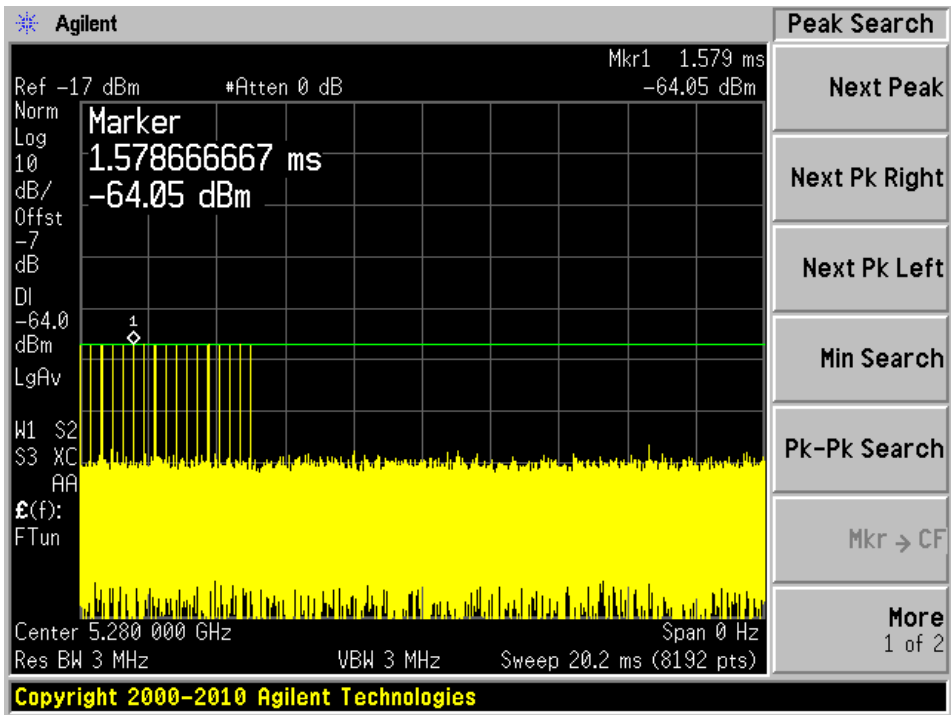
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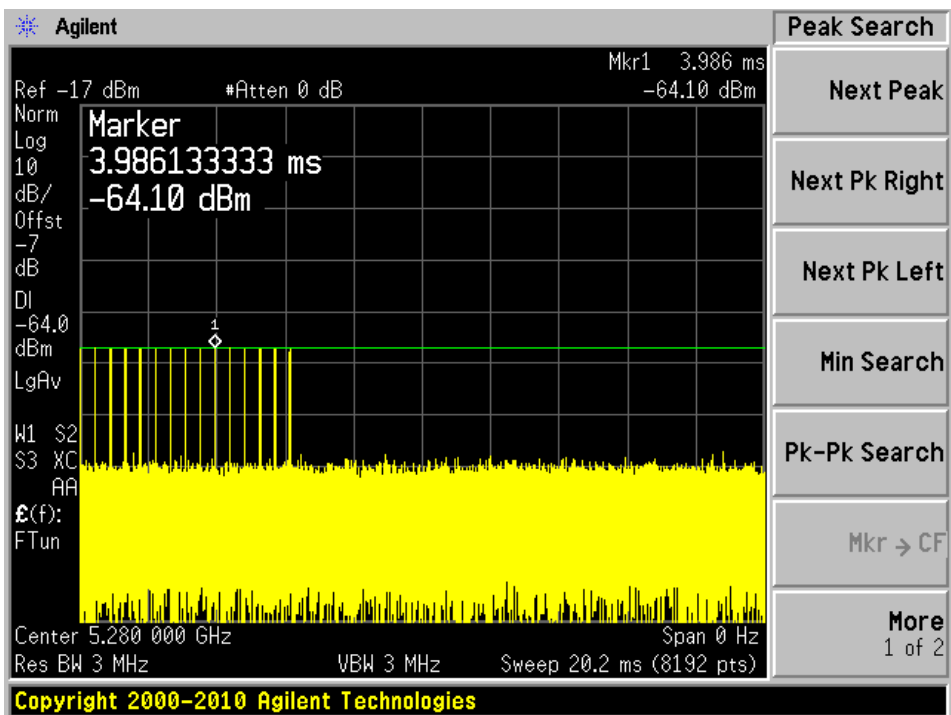
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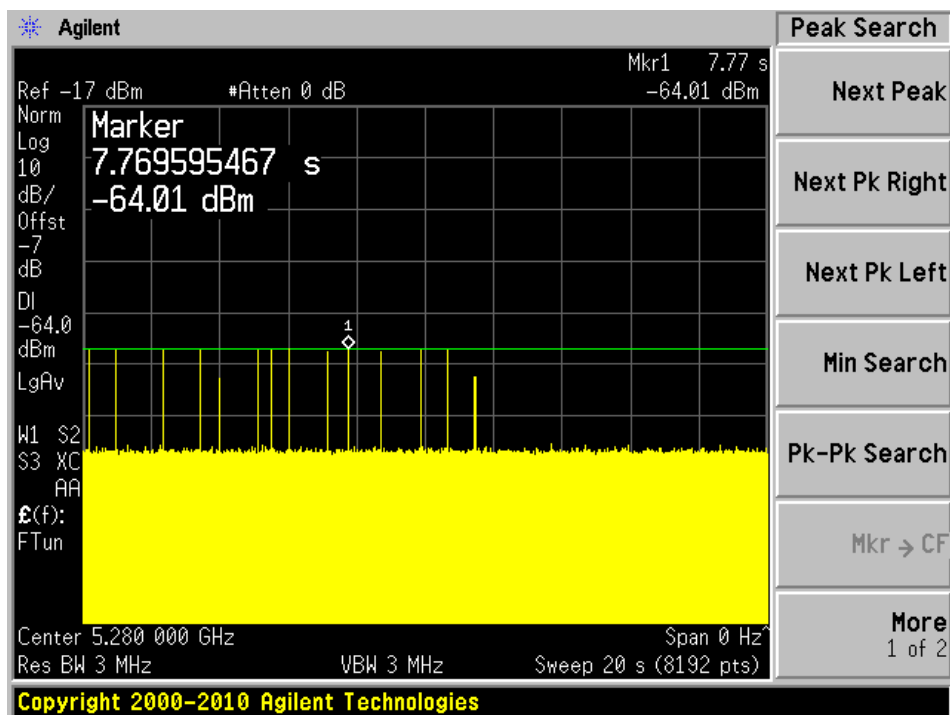
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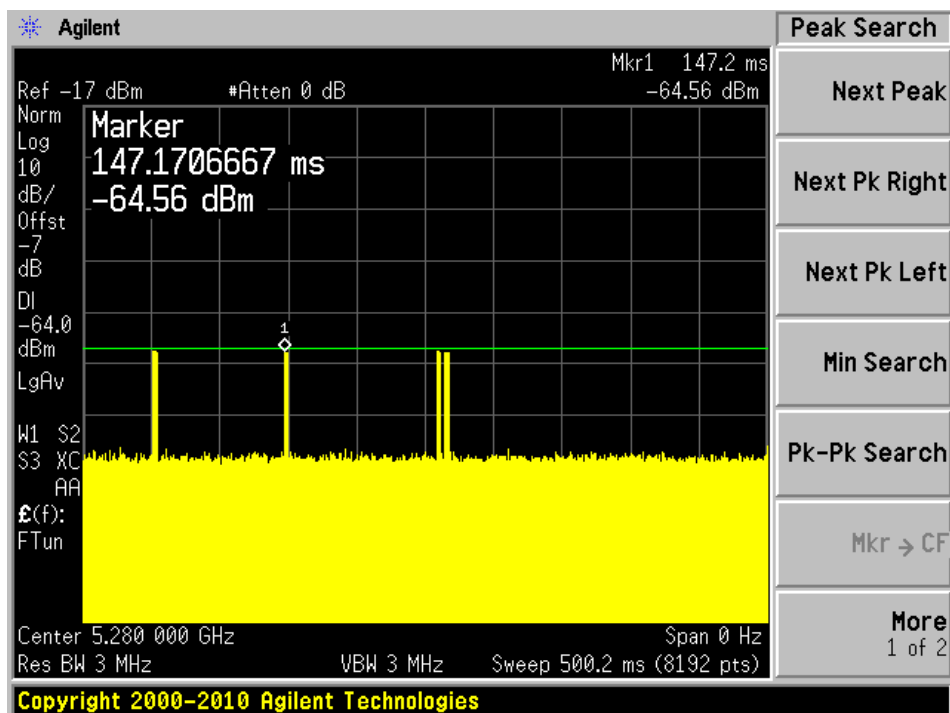
Radar Type 6

5540 MHz

Radar Type 0
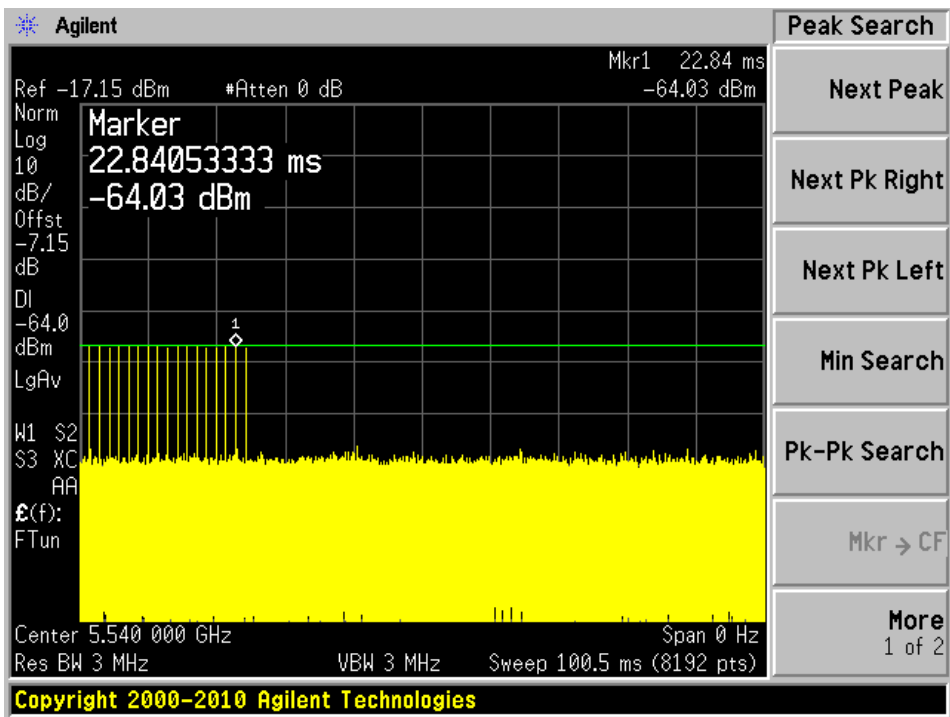
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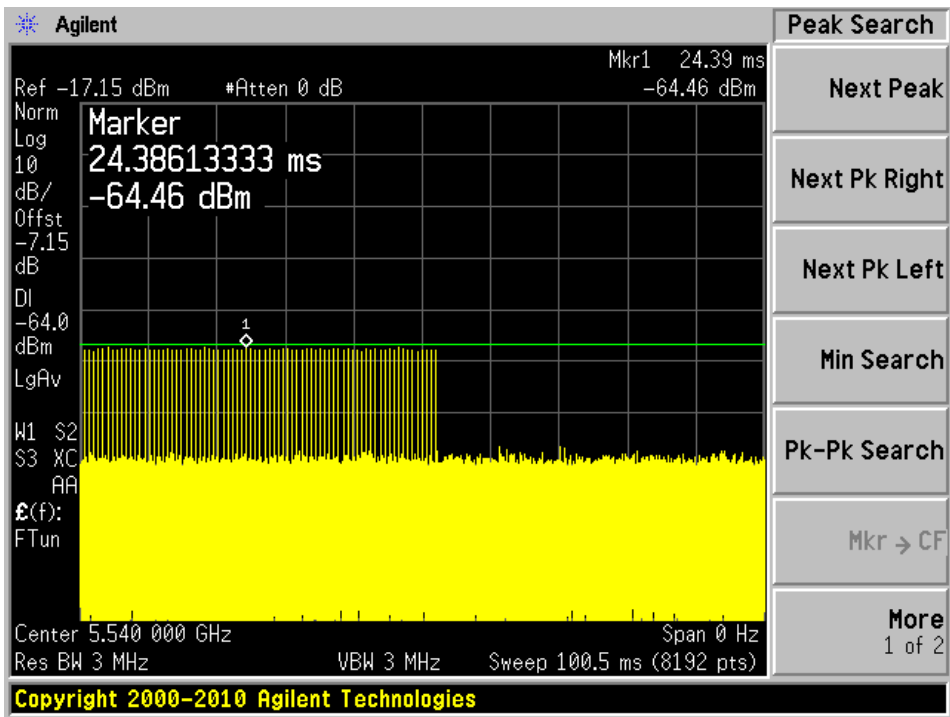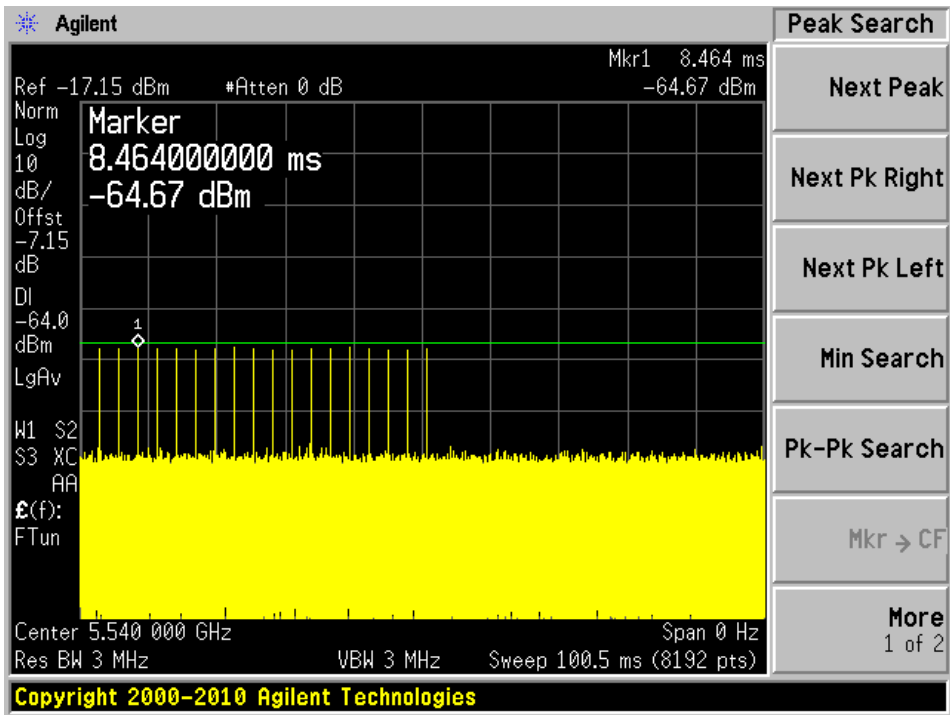
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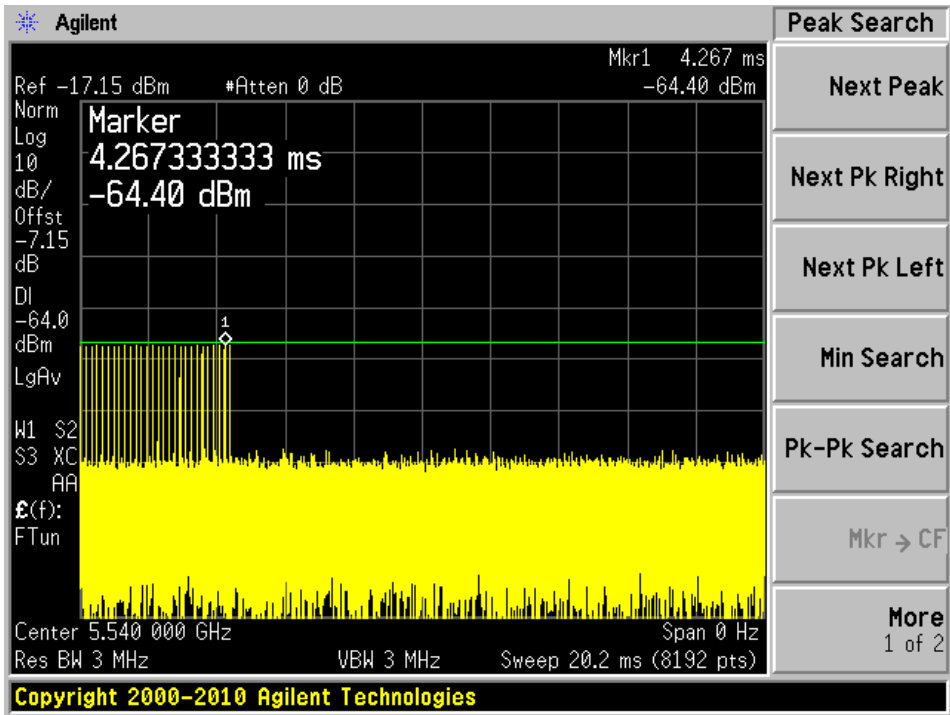
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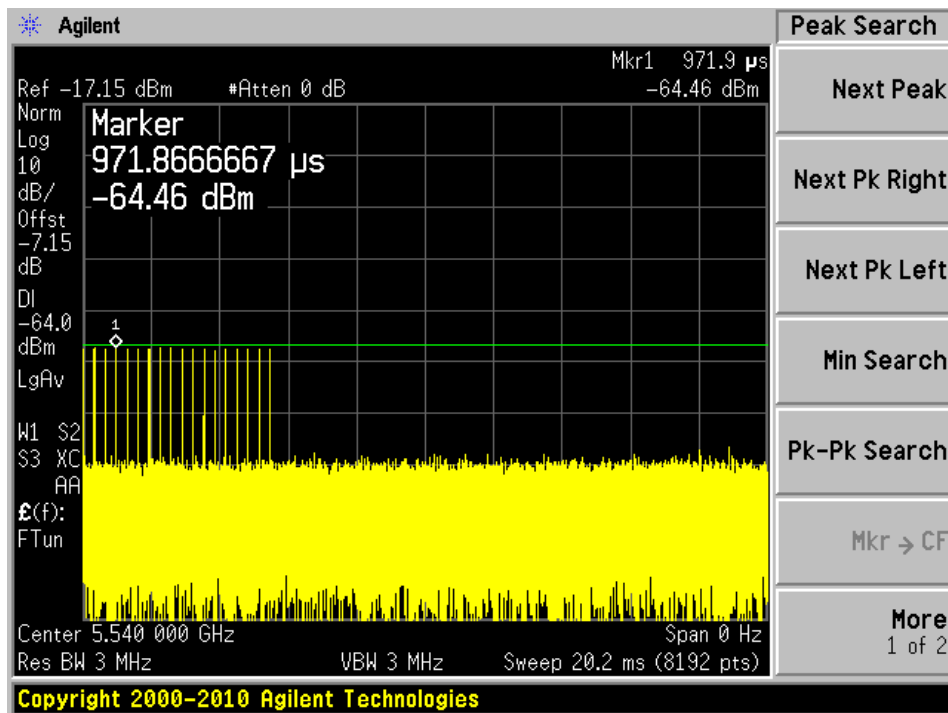
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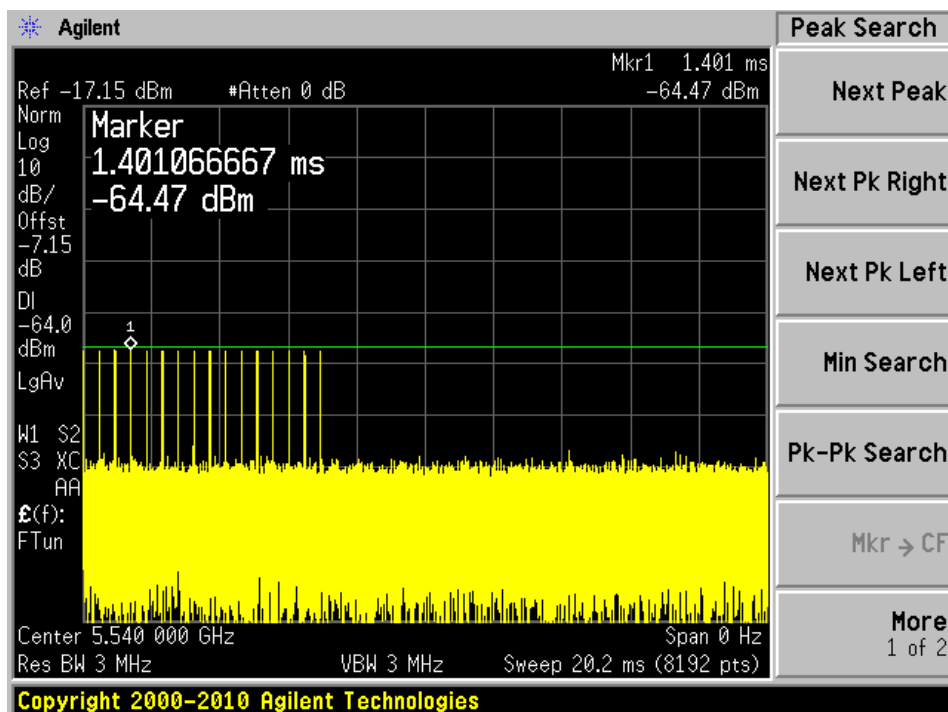
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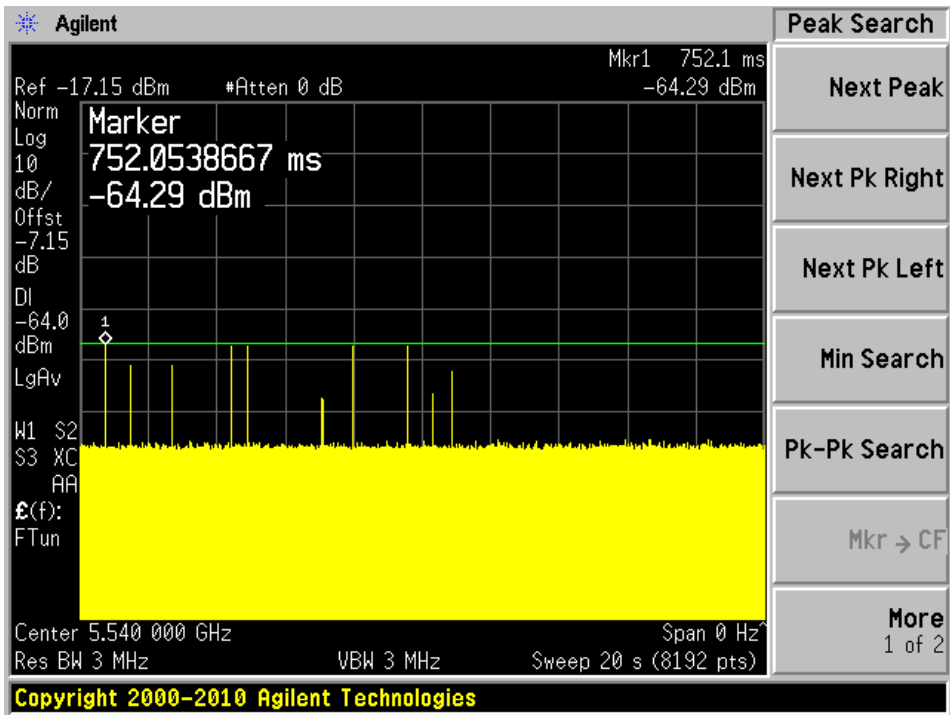
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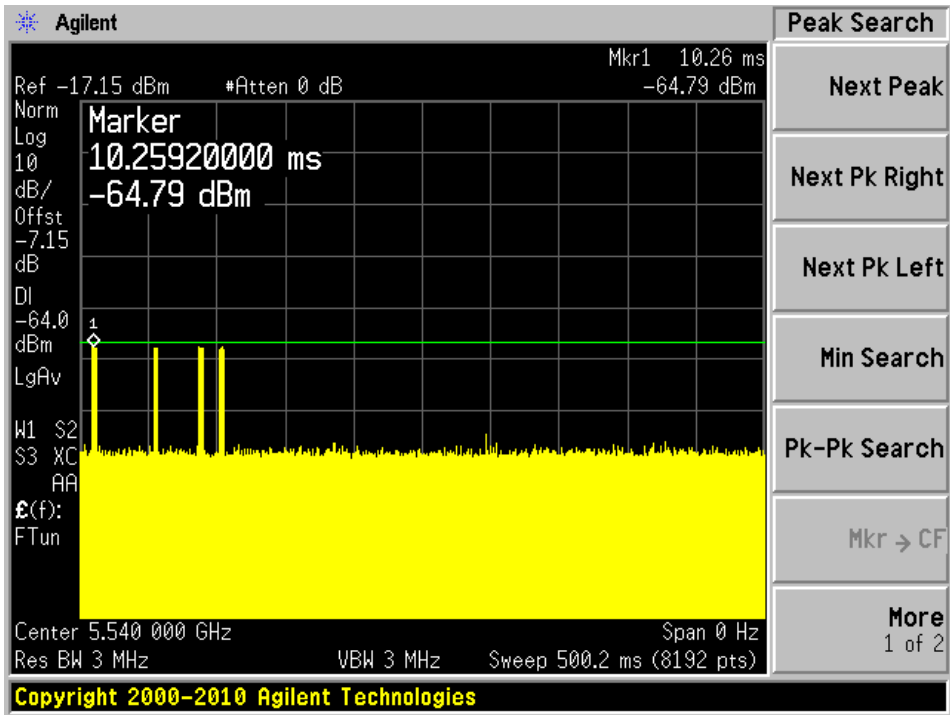
Radar Type 6

5270 MHz

Radar Type 0
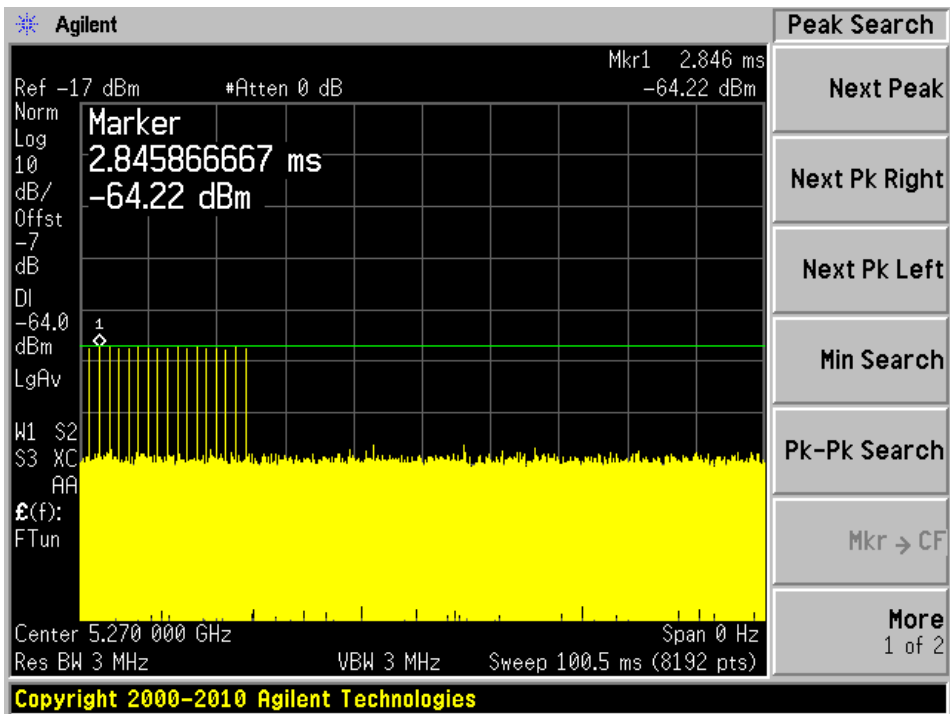
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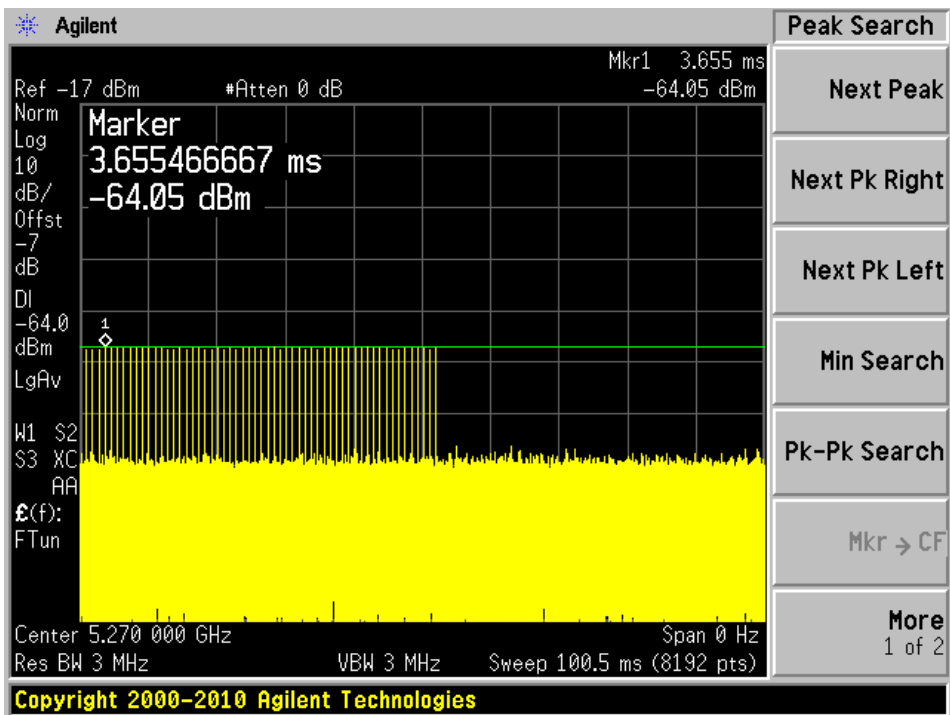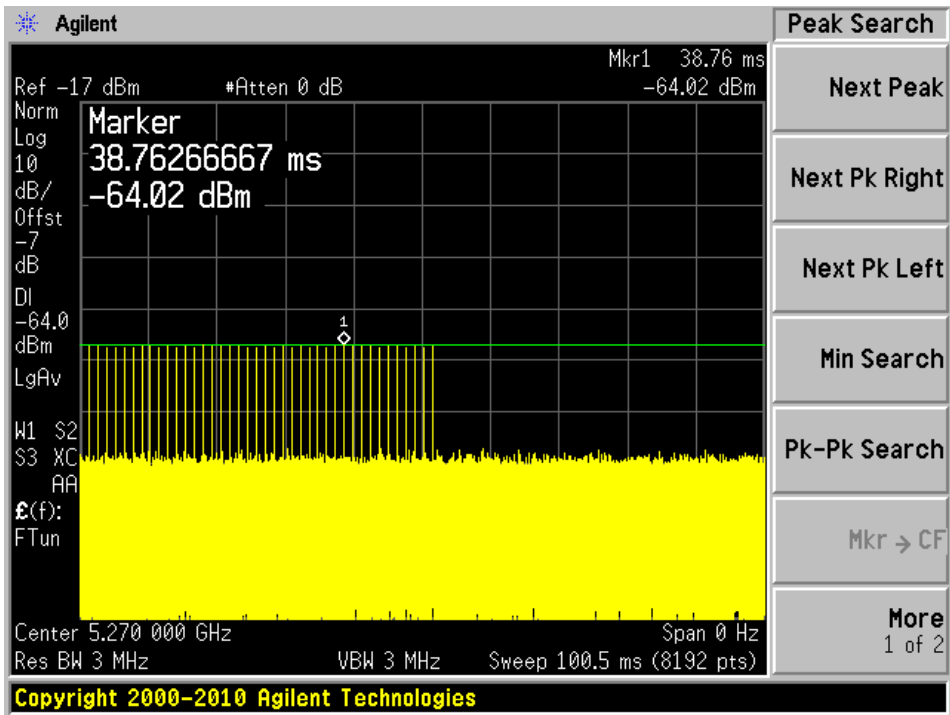
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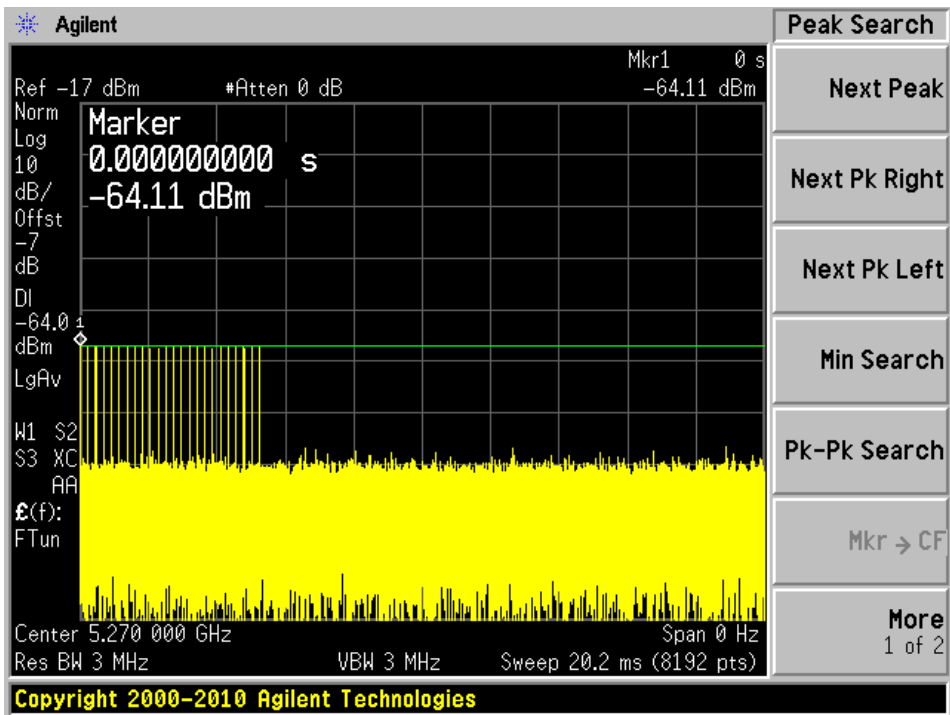
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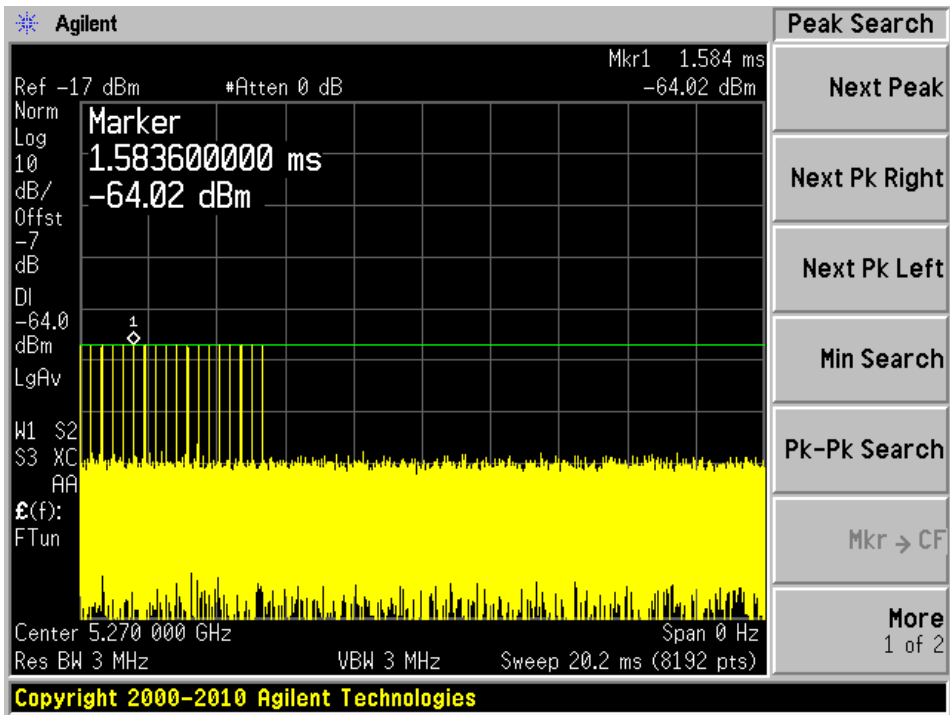
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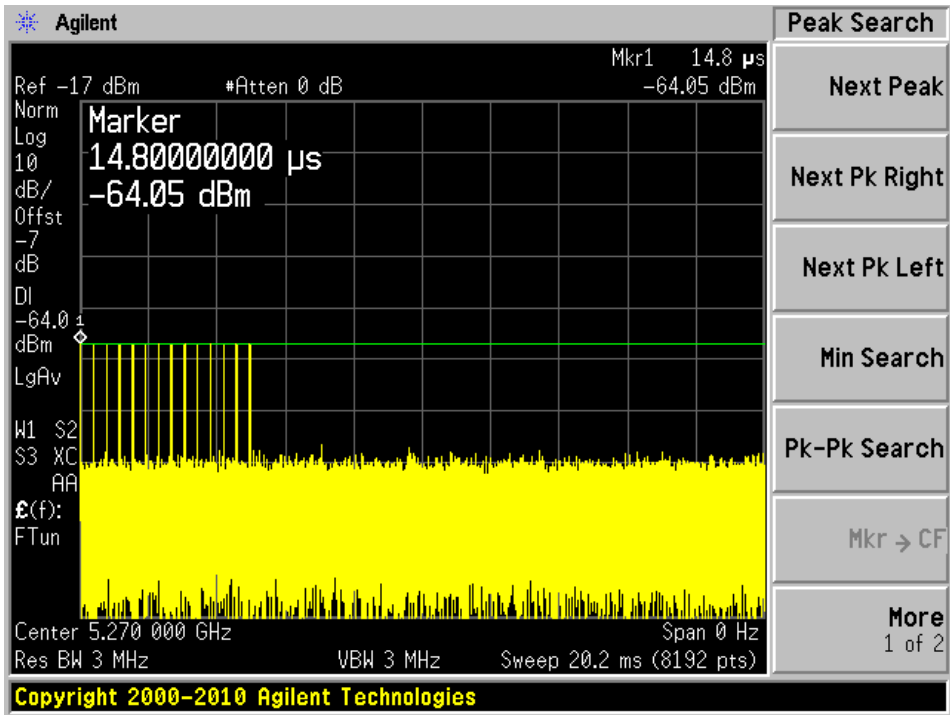
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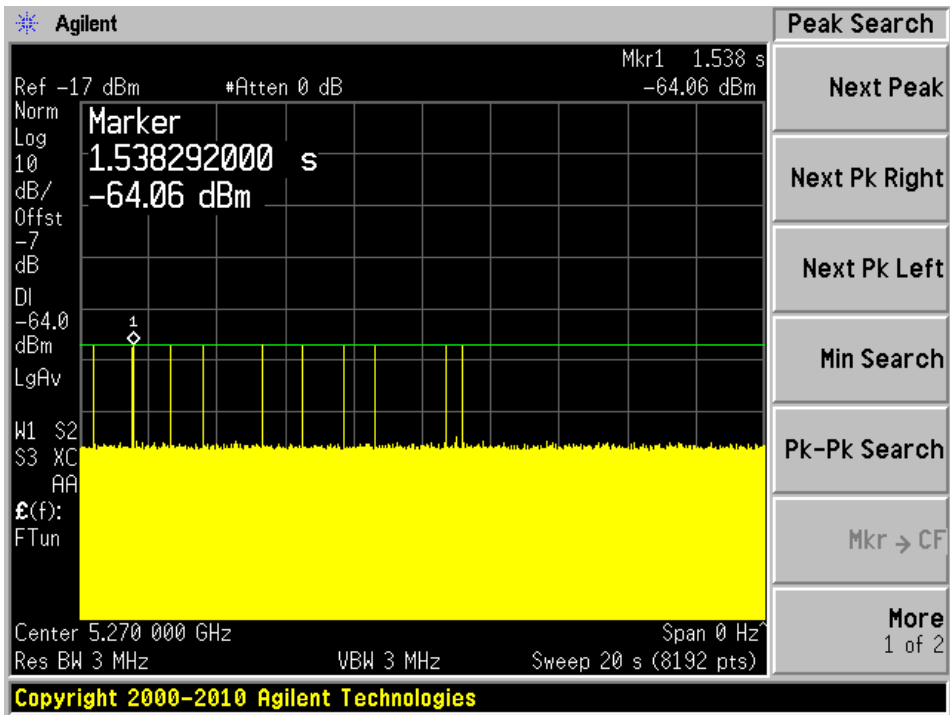
Radar Type 5
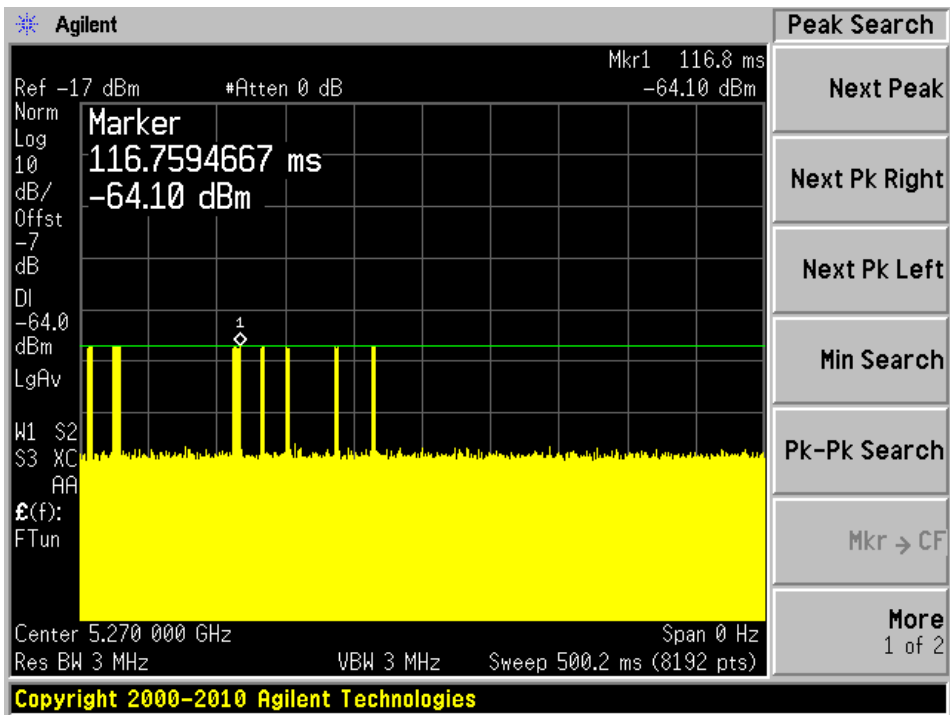
Radar Type 6

5550 MHz

Radar Type 0
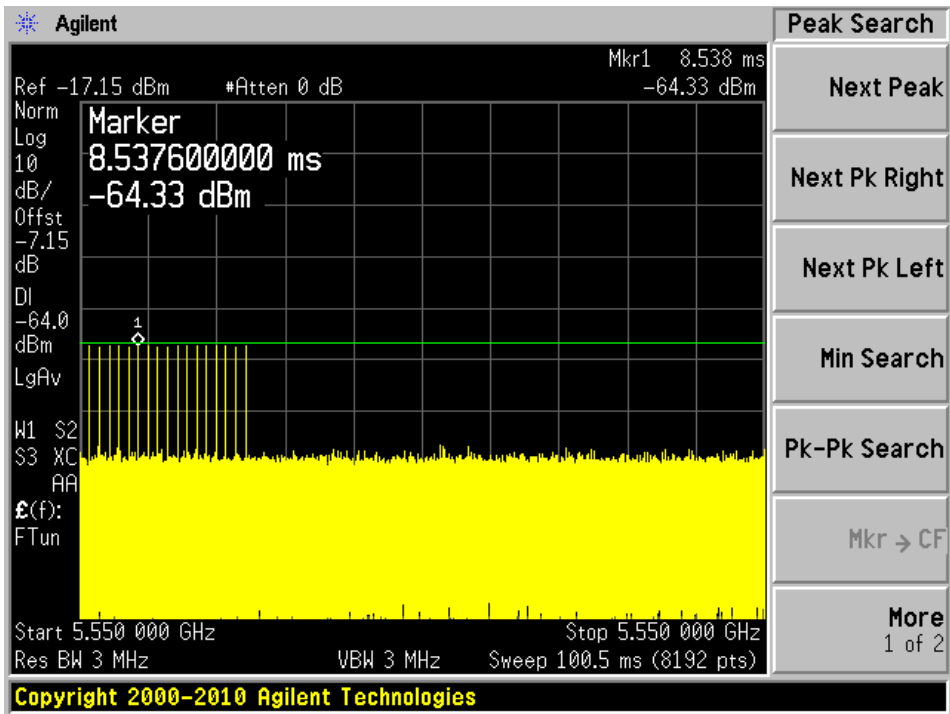
Radar Type 1A
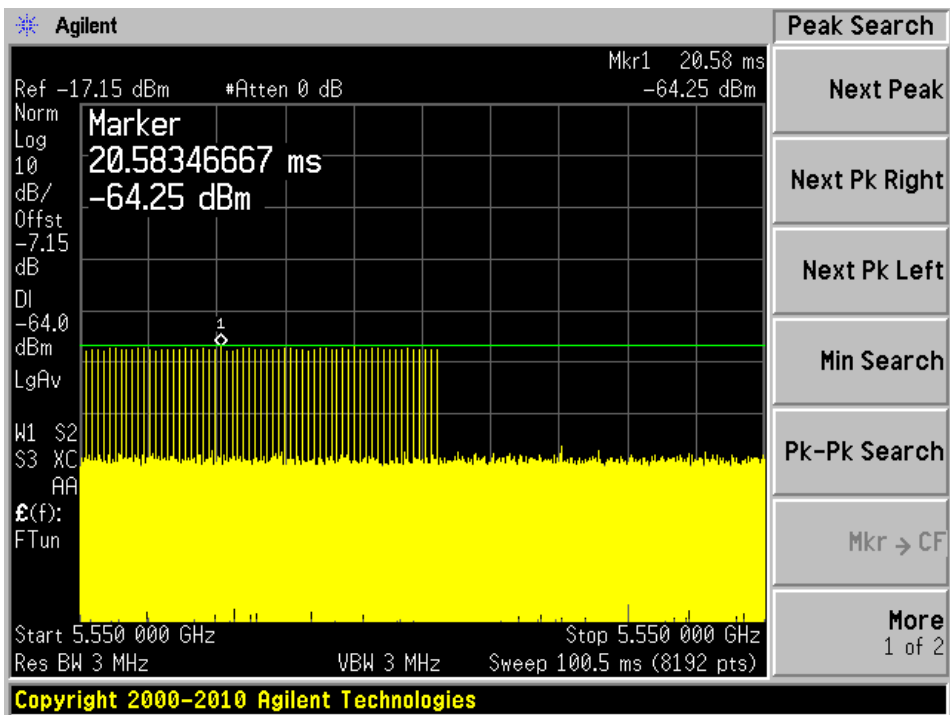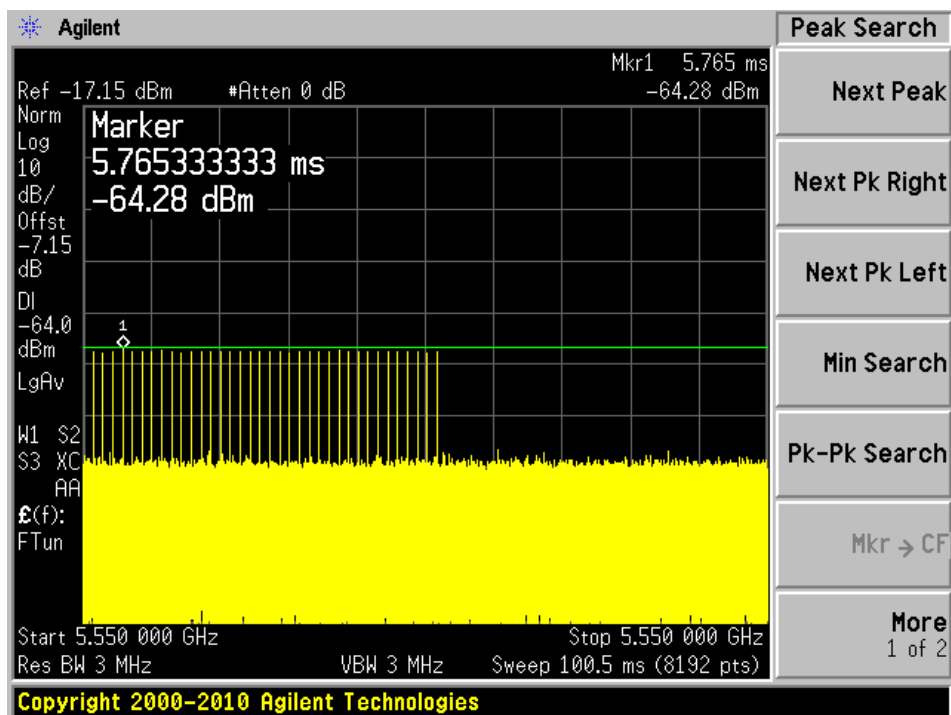
Radar Type 1B
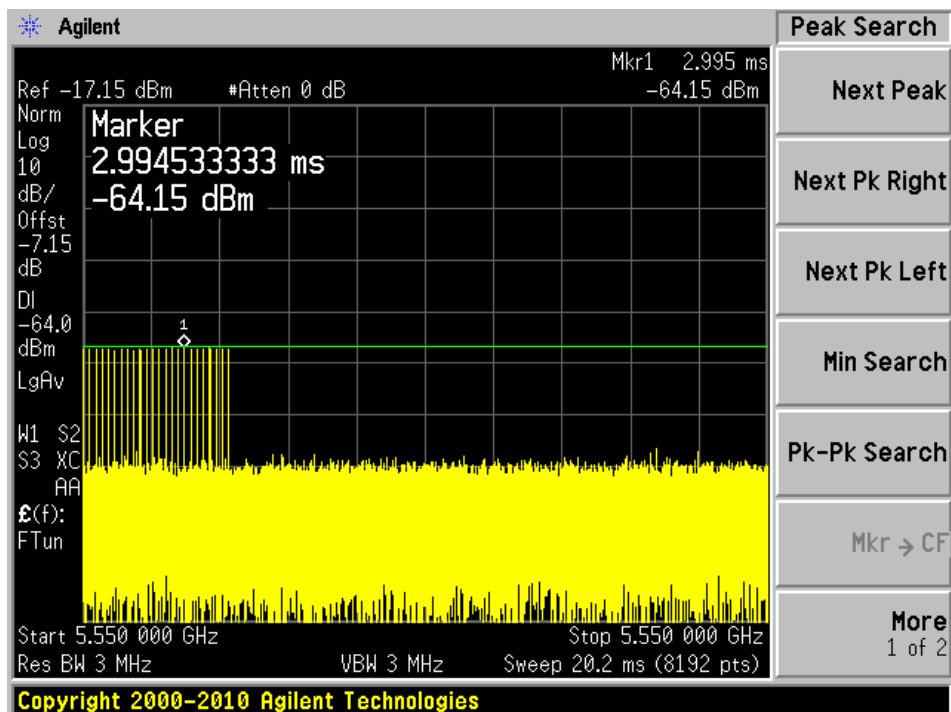
Radar Type 2
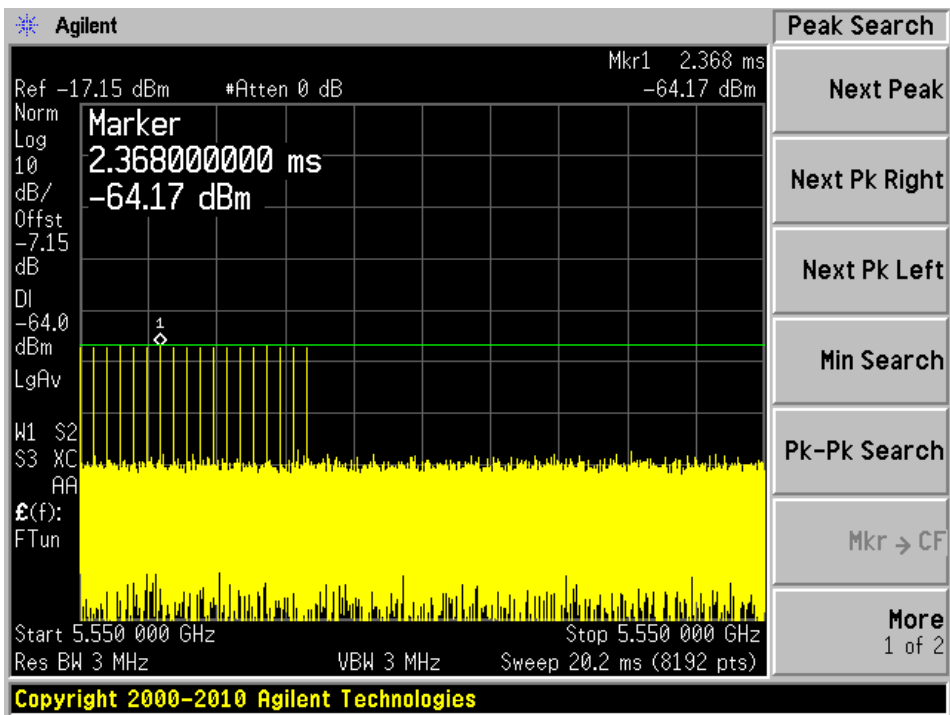
Radar Type 3
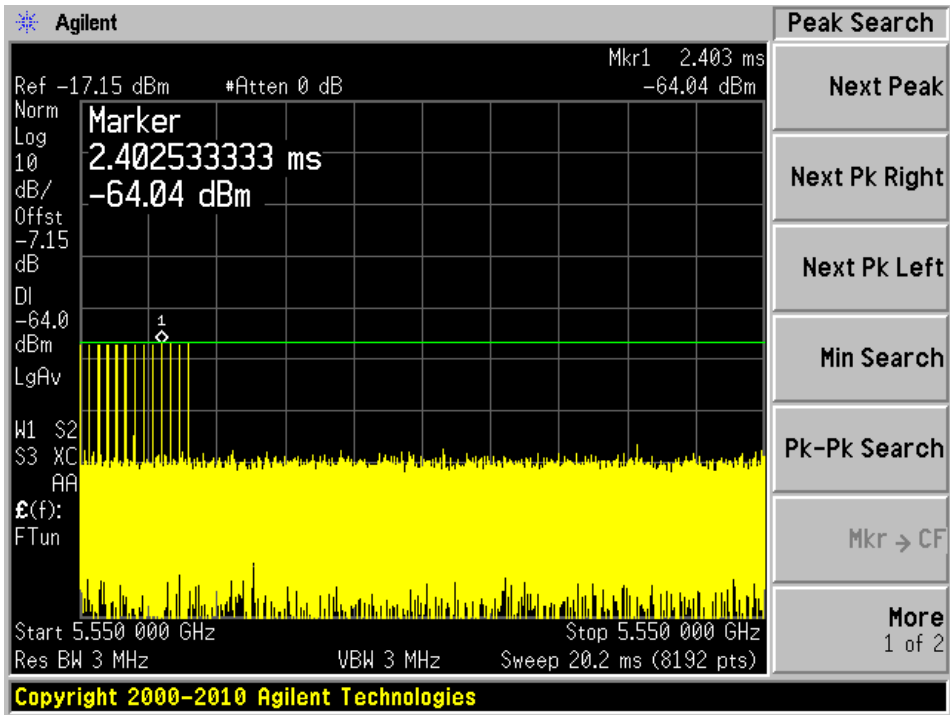
Radar Type 4
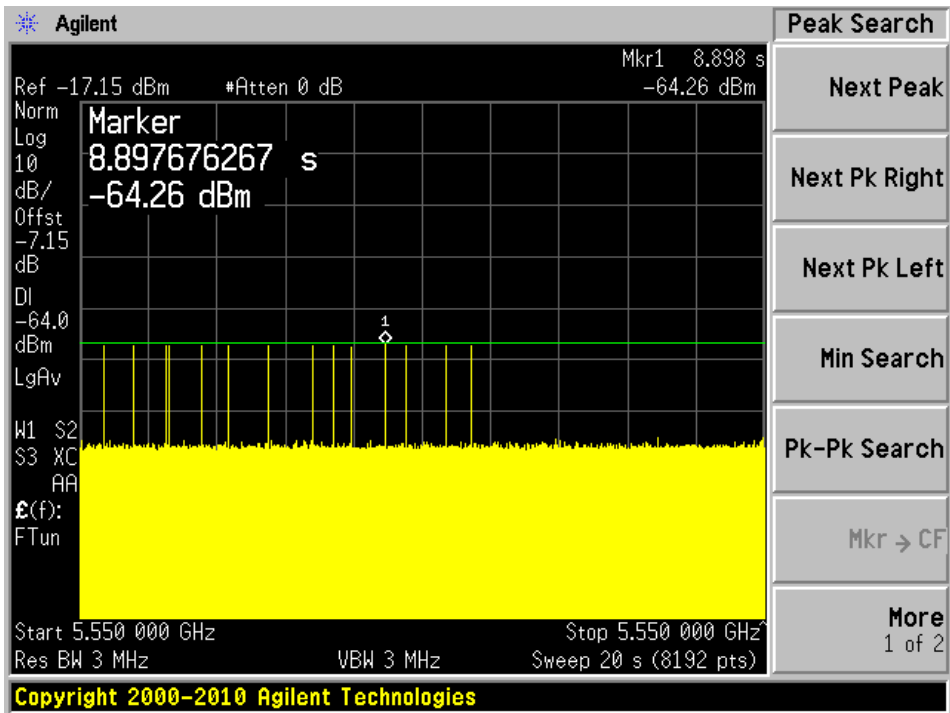
Radar Type 5
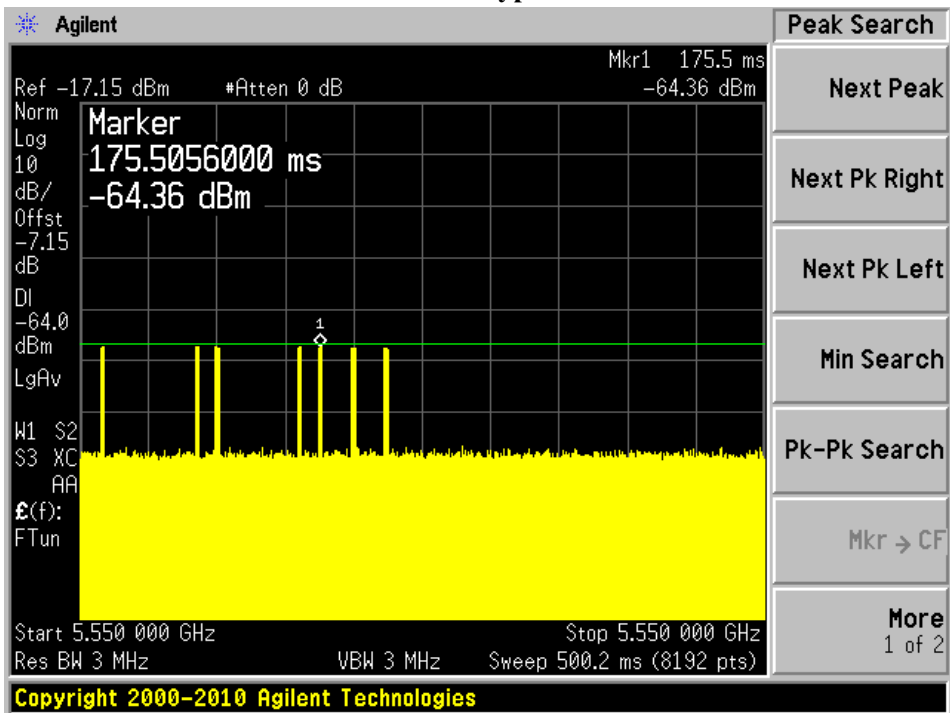
Radar Type 6

5290 MHz

Radar Type 0
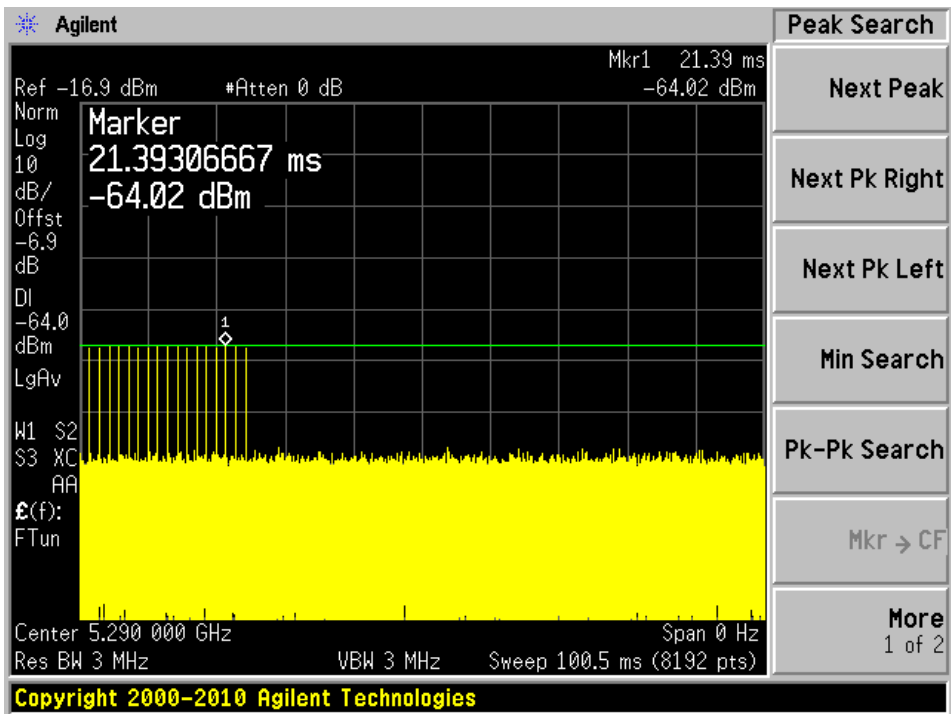
Radar Type 1A
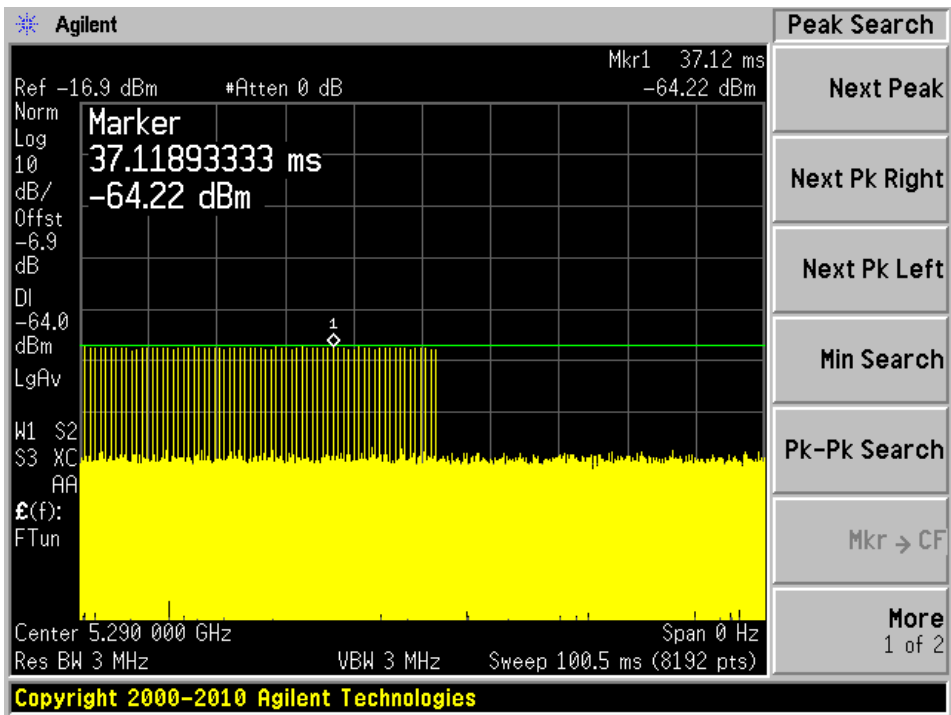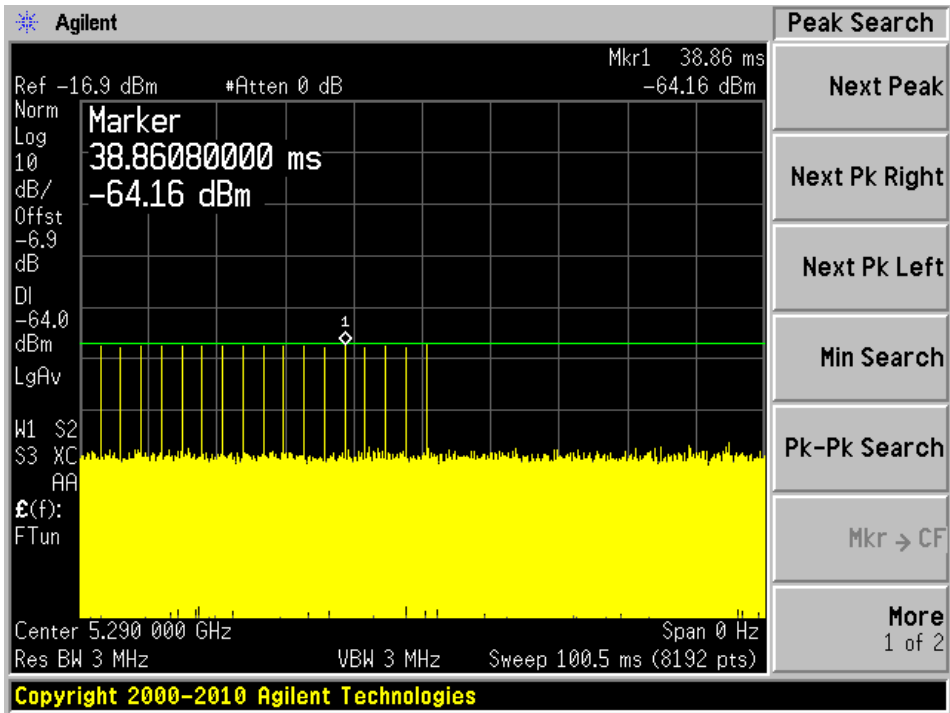
Radar Type 1B
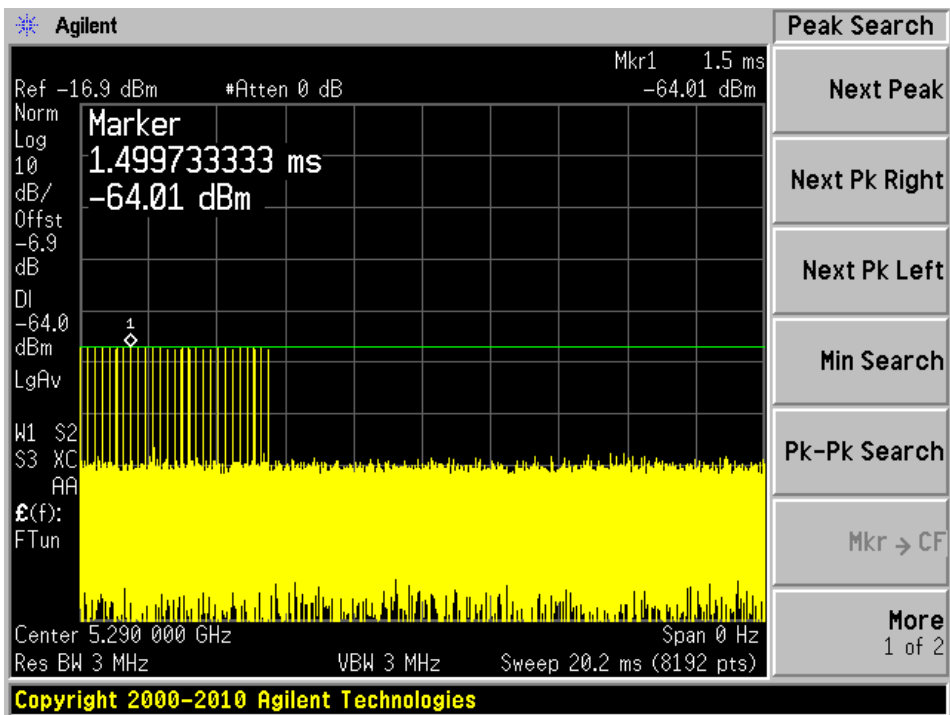
Radar Type 2
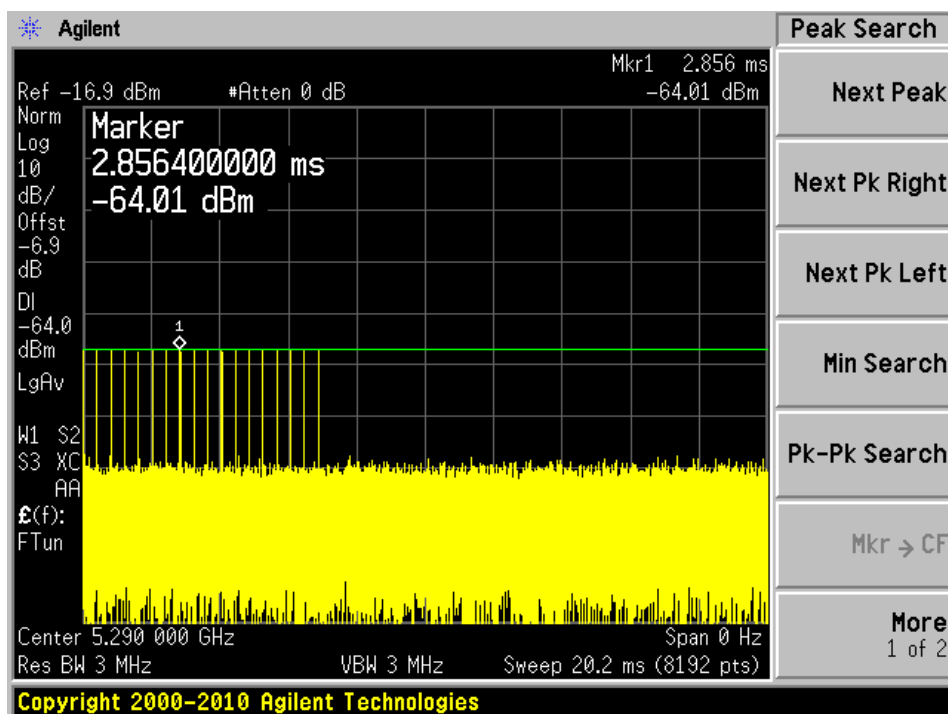
Radar Type 3
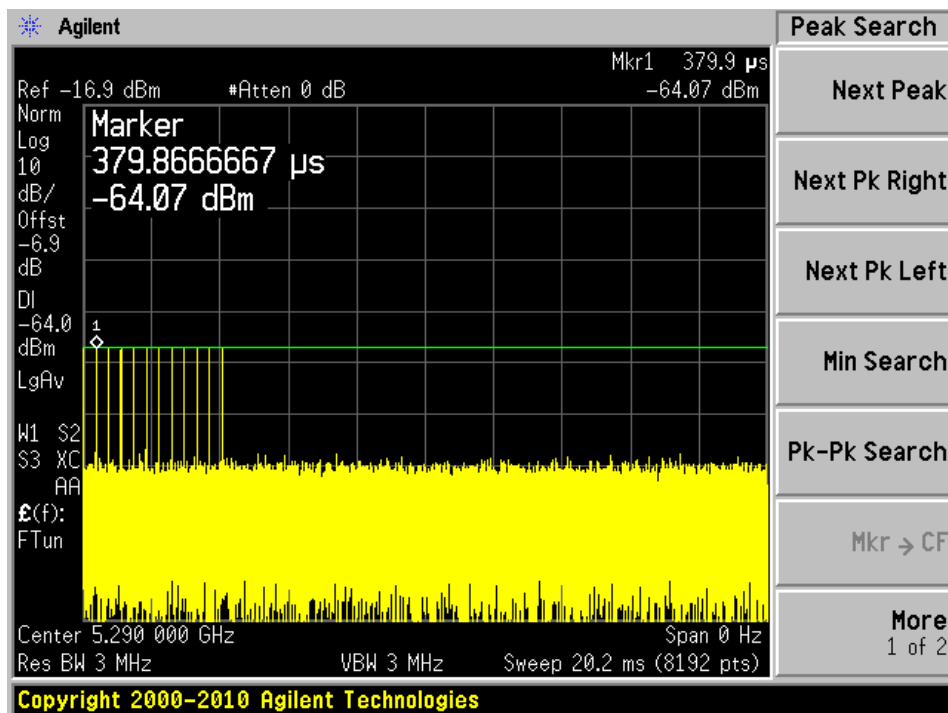
Radar Type 4
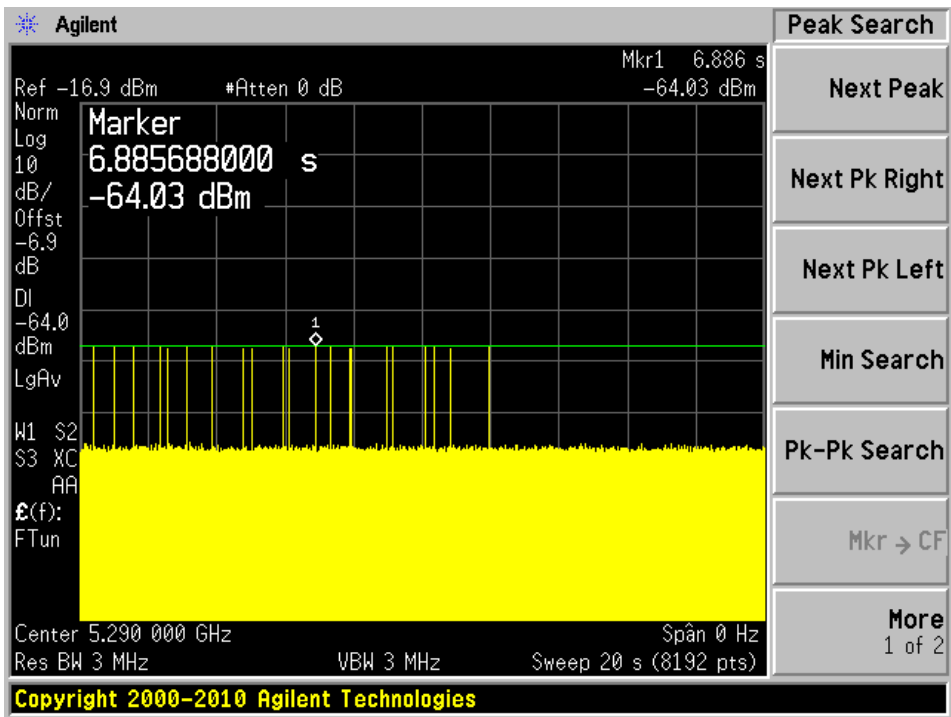
Radar Type 5
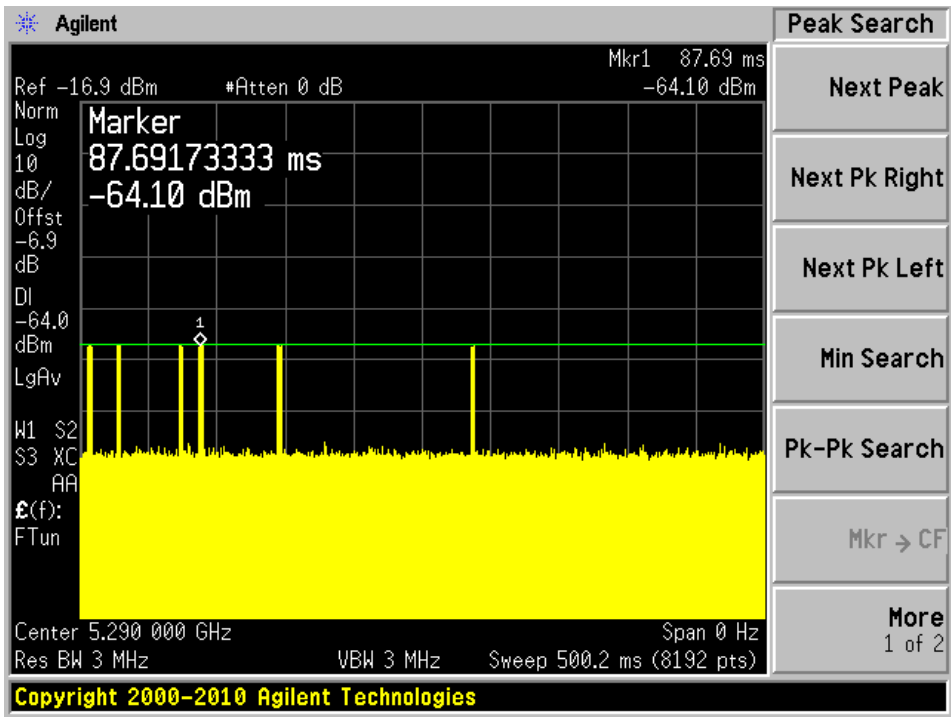
Radar Type 6

5530 MHz

Radar Type 0
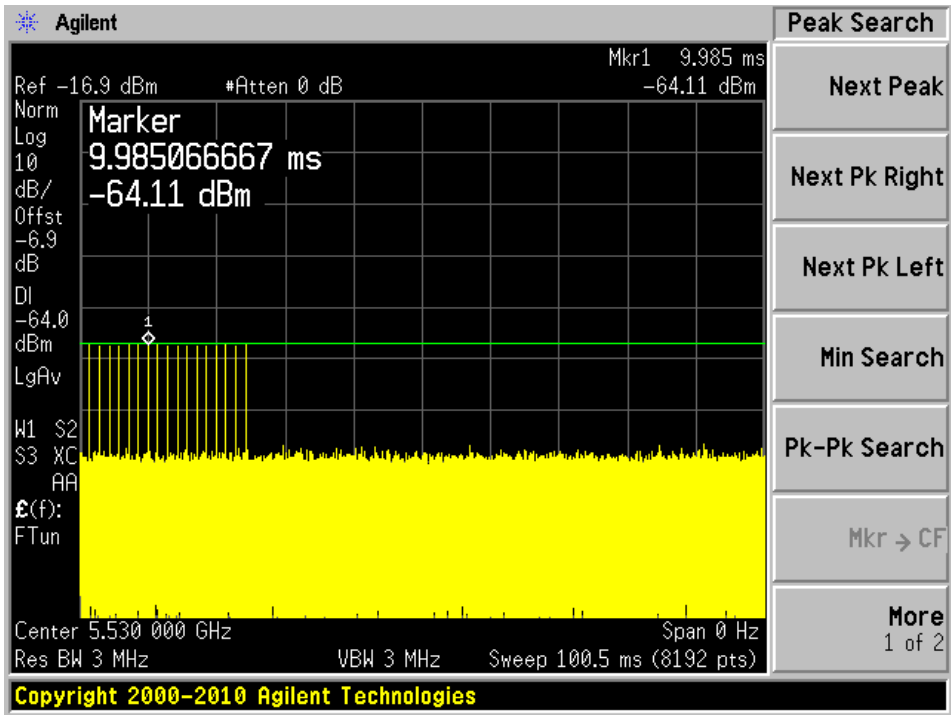
Radar Type 1A
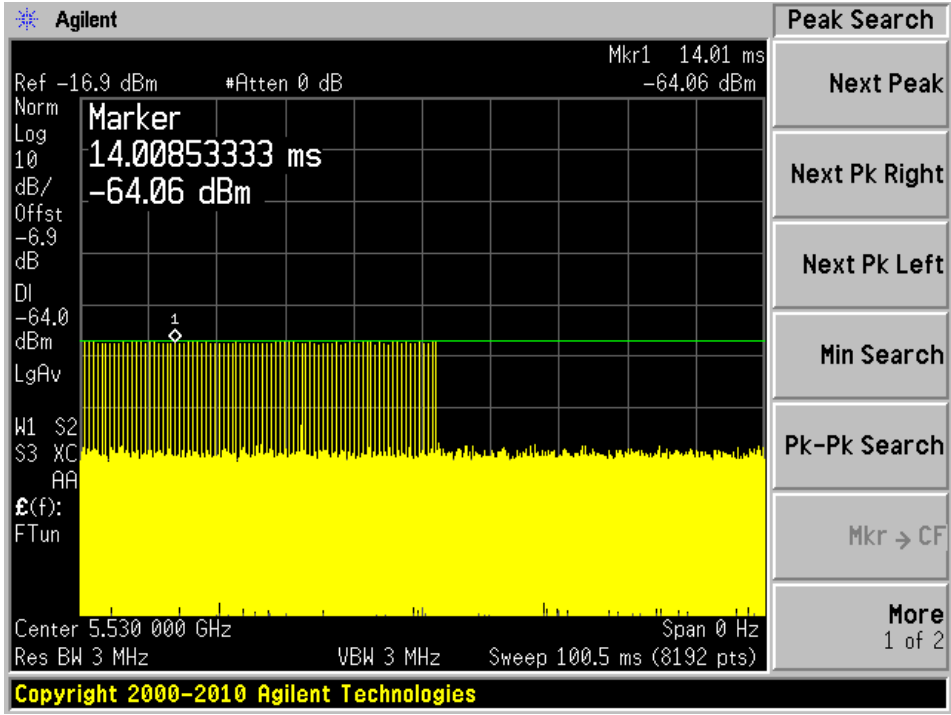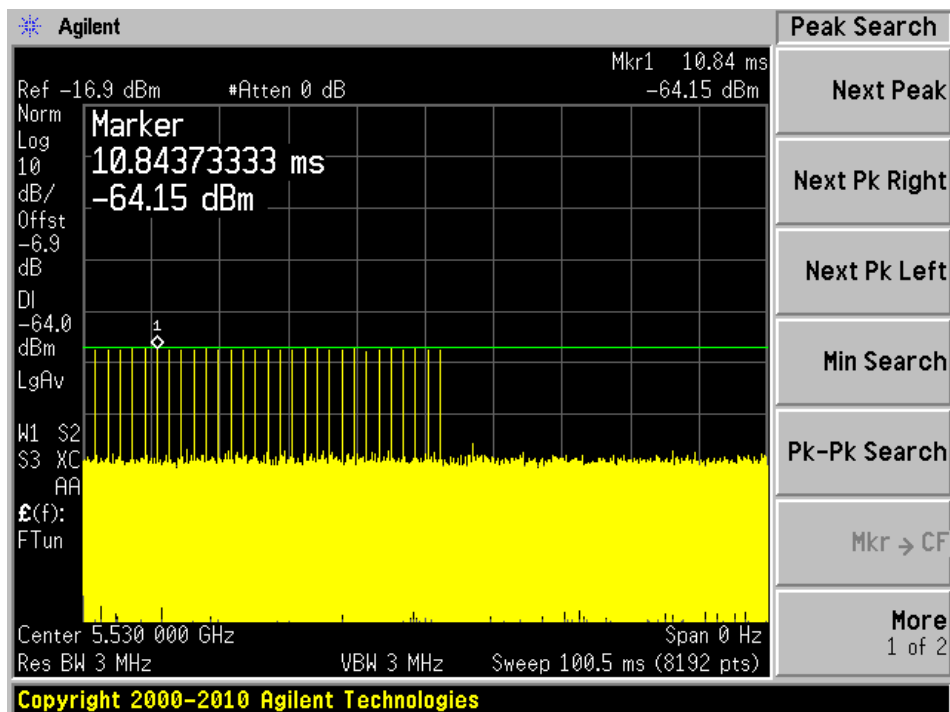
Radar Type 1B
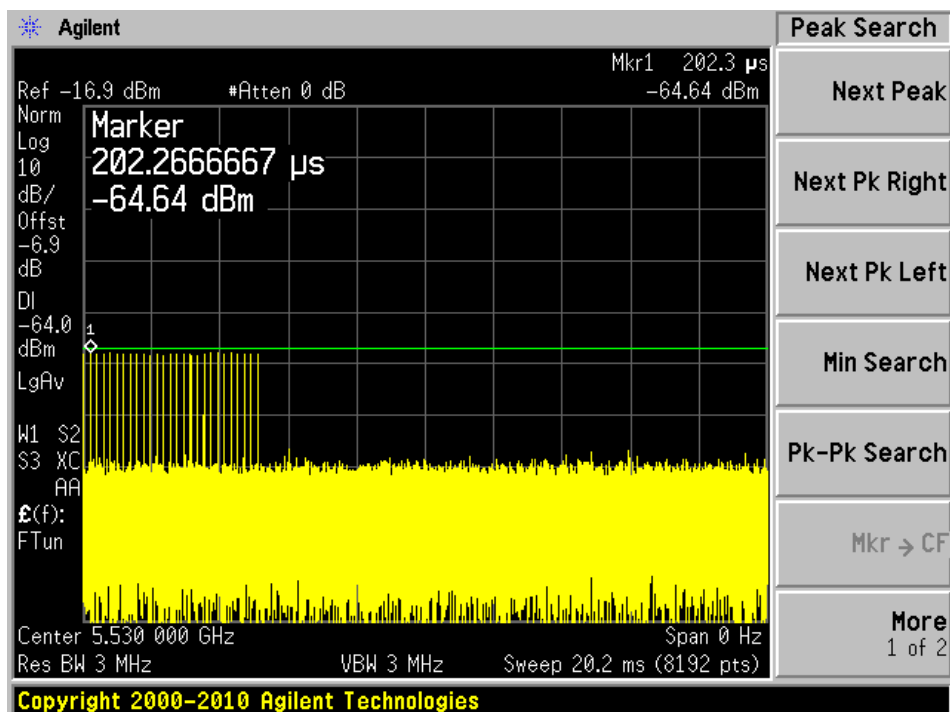
Radar Type 2
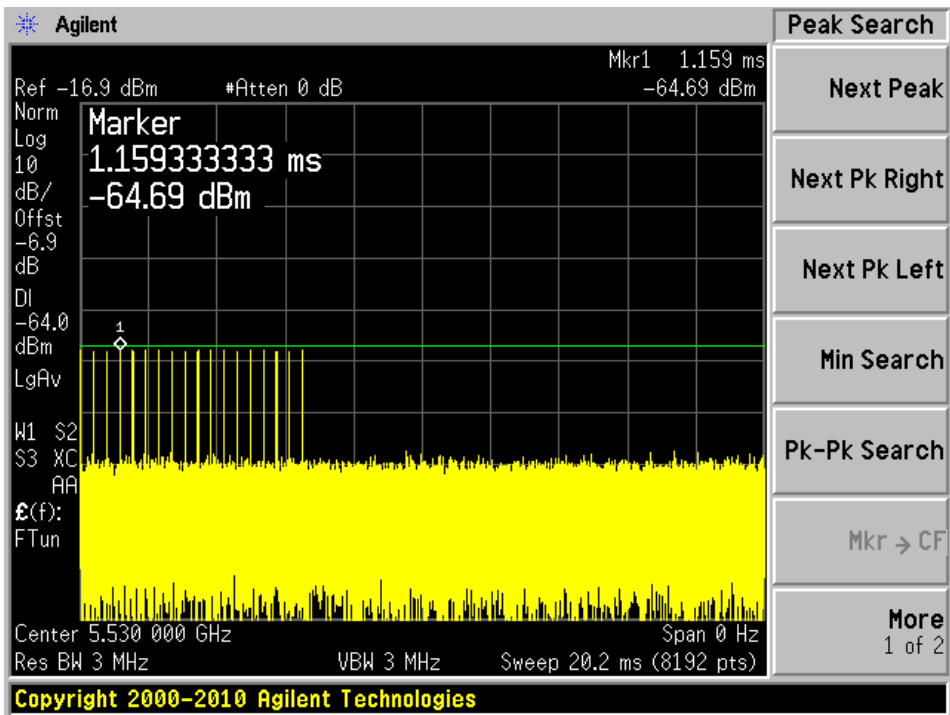
Radar Type 3
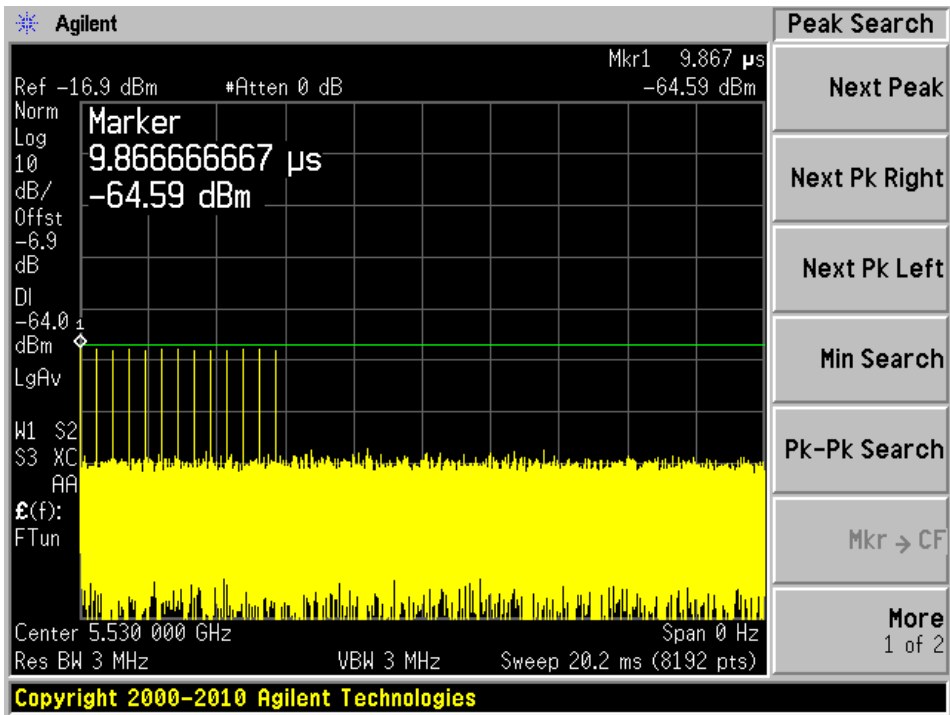
Radar Type 4
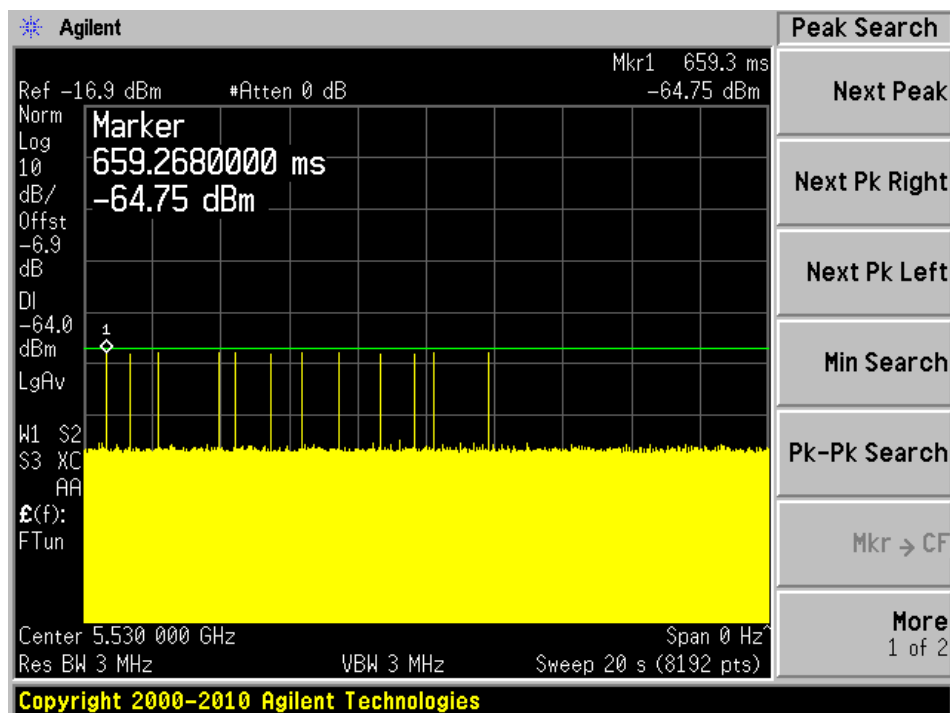
Radar Type 5

Radar Type 6
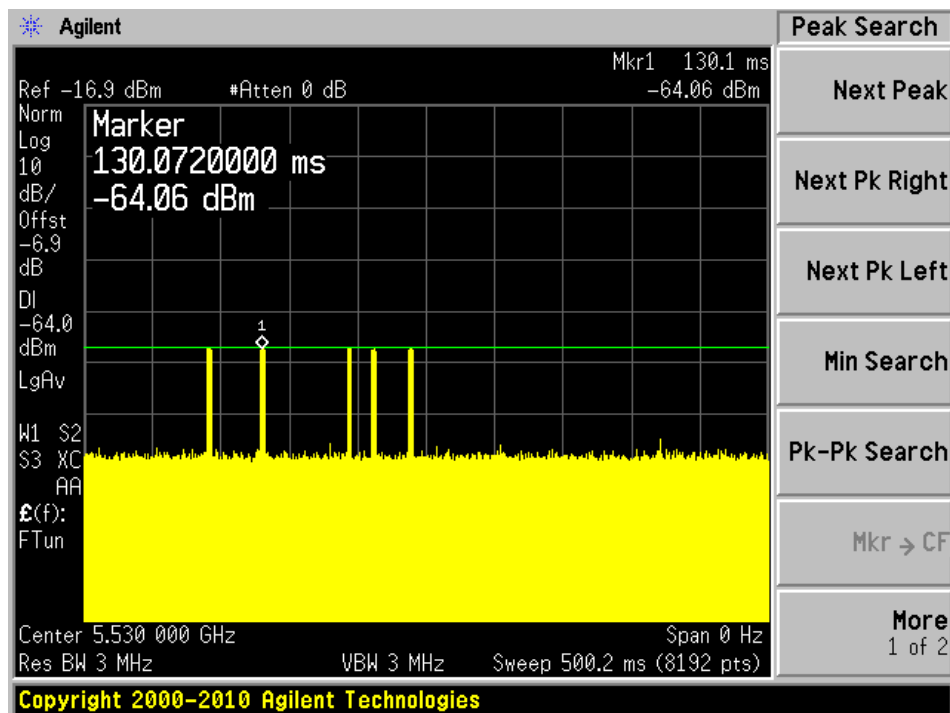
6   Channel Availability Check Time (CAC)

6.1   Test Procedure

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

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

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

EUT Initial power-up Cycle Time

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

Results:

Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Transmission begin after power-up cycle +62 seconds CAC	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

Note: The CAC test is with the Radar type 0.

5280 MHz

Plot of without Radar signal applied
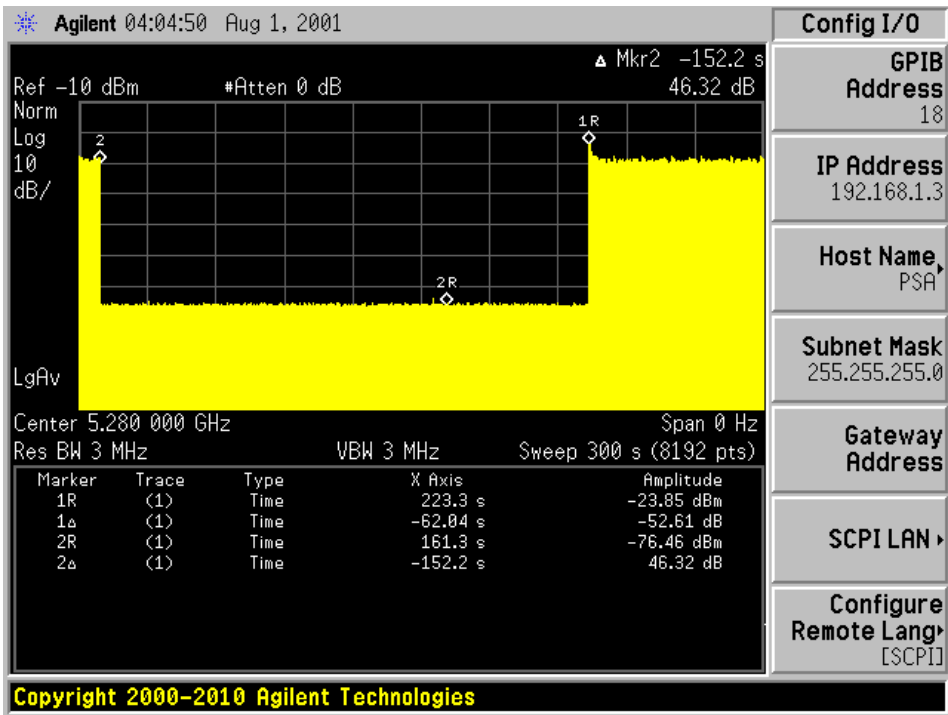
Plot of Radar signal applied within 6 seconds of start of CAC
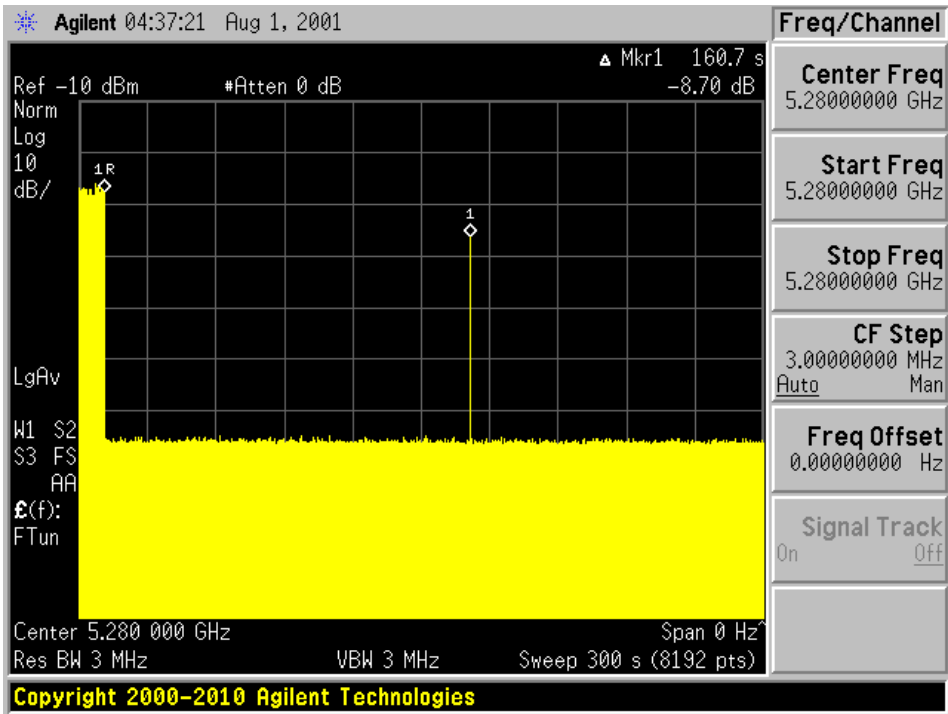
No transmissions found after radar signal applied.

Plot of Radar signal applied at the end of 6 seconds of CAC
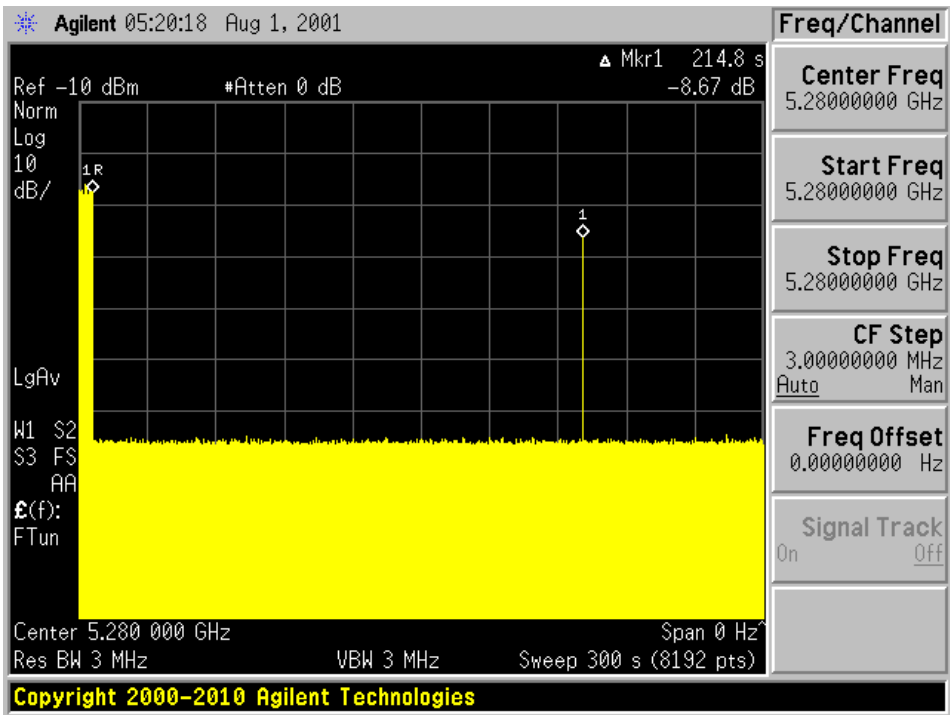
No transmissions found after radar signal applied.

5540 MHz

Plot of without Radar signal applied
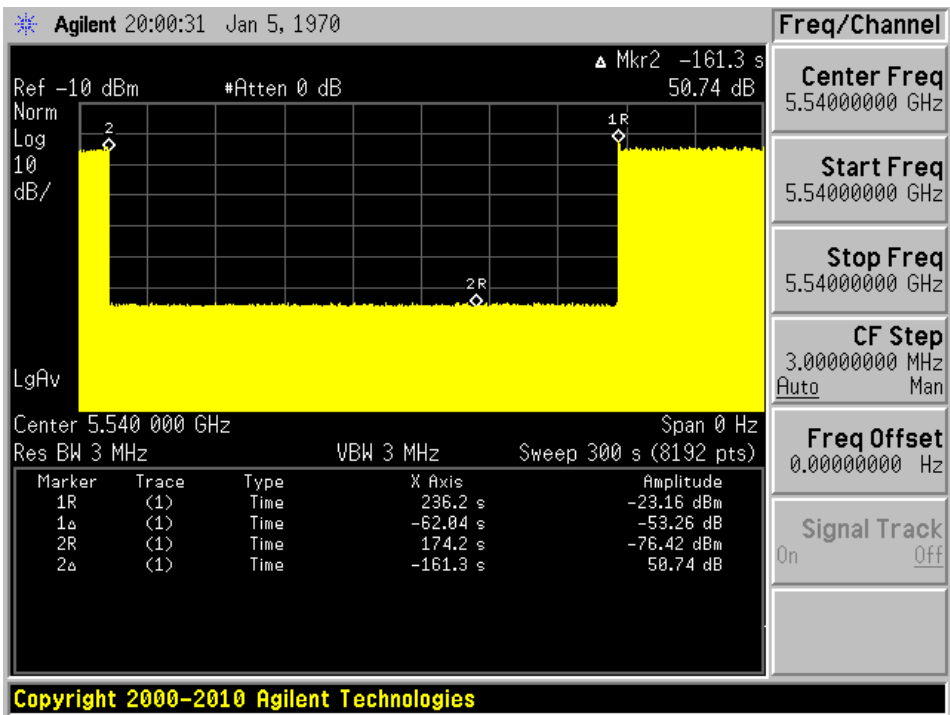
Plot of Radar signal applied within 6 seconds of start of CAC
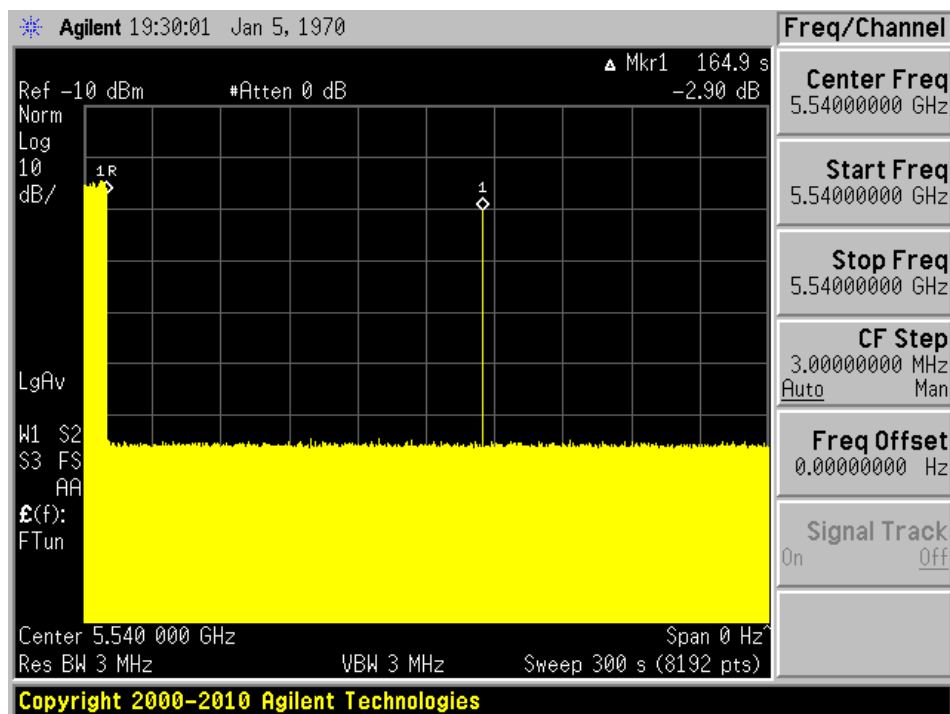
No transmissions found after radar signal applied.

Plot of Radar signal applied at the end of 6 seconds of CAC
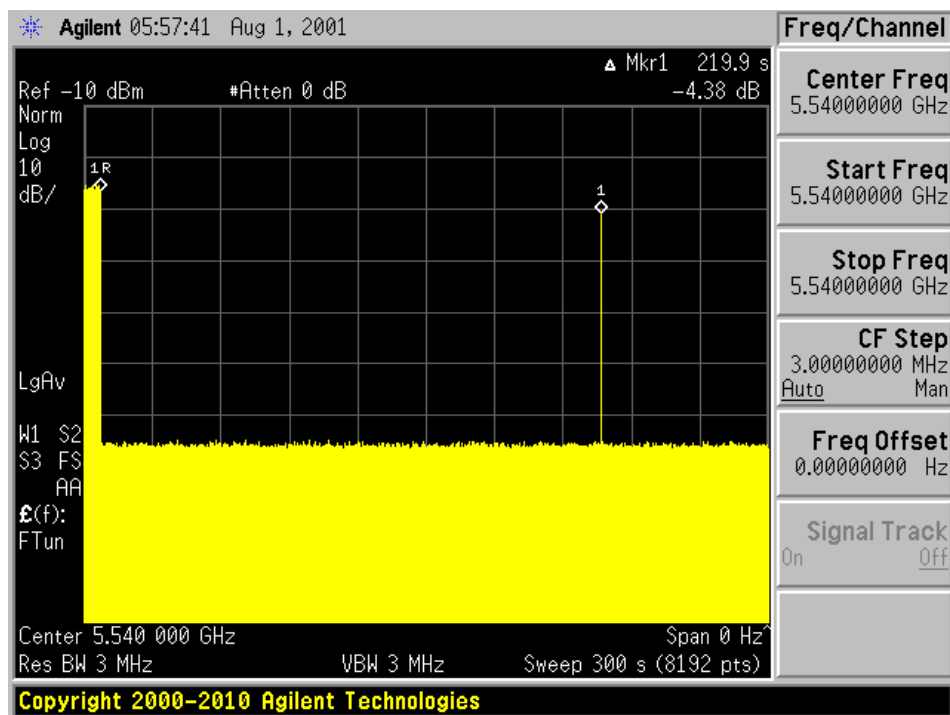
No transmissions found after radar signal applied.

7   Channel Move Time and Channel Closing Transmission Time

7.1   Test Procedure

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

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N * Dwell Time

N is the number of spectrum analyzer bins showing a device transmission
Dwell Time is the dwell time per bin (i.e. Dwell Time = S/B, S is the sweep time and B is the number of bin, i.e. 8192)

7.2   Test Results

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

Please refer to the following tables and plots.

5290 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
19.53	260	Pass
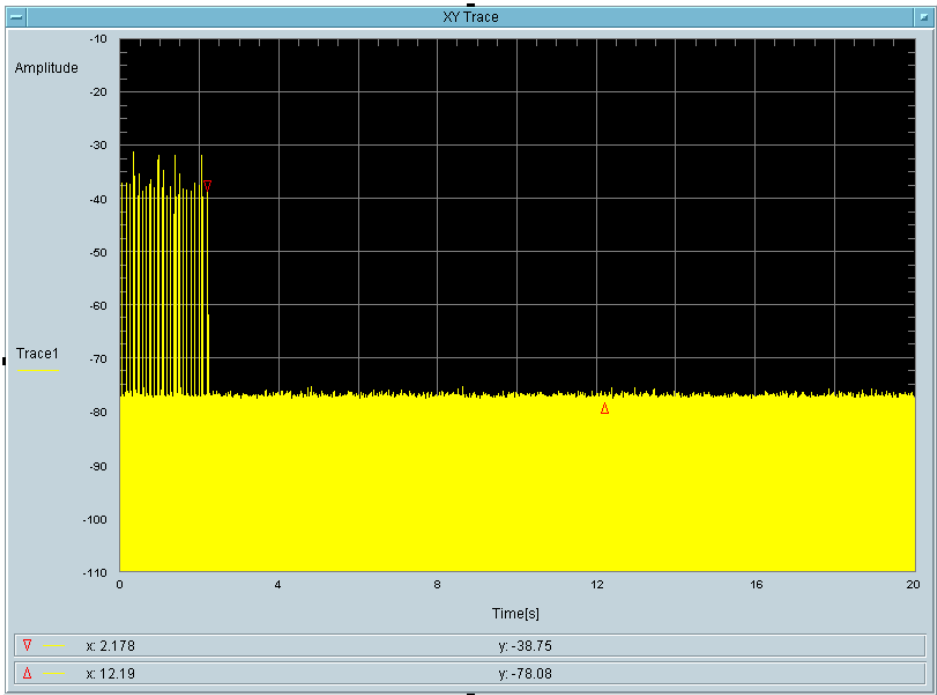
5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
15.87	260	Pass
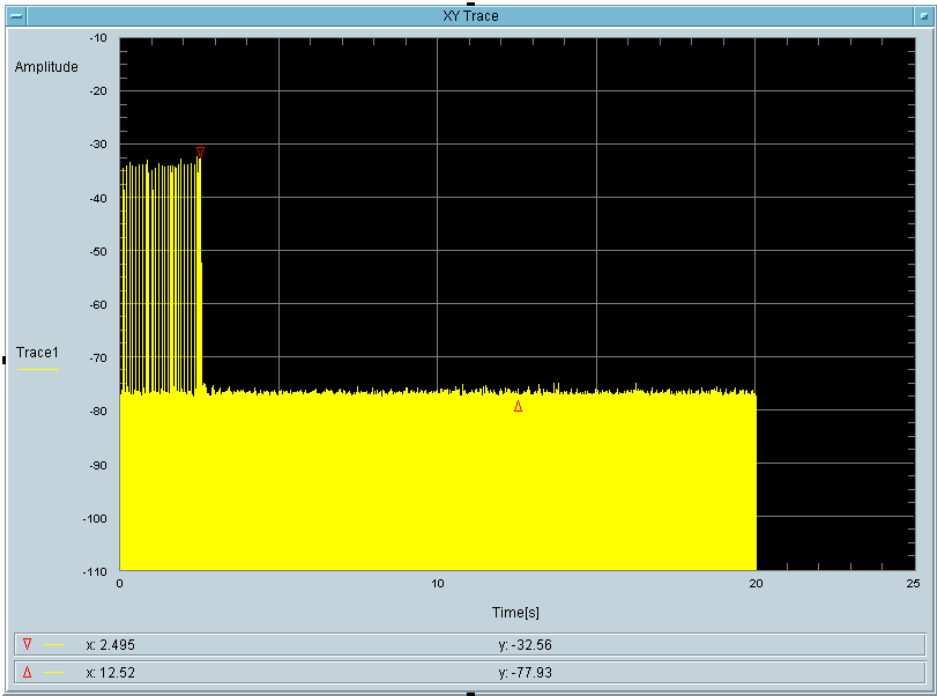
8   Non-Occupancy Period

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

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5270	40	No transmission within 30 minutes
5550	40	No transmission within 30 minutes

Please refer to the following plots.

5270 MHz, Bandwidth 40 MHz
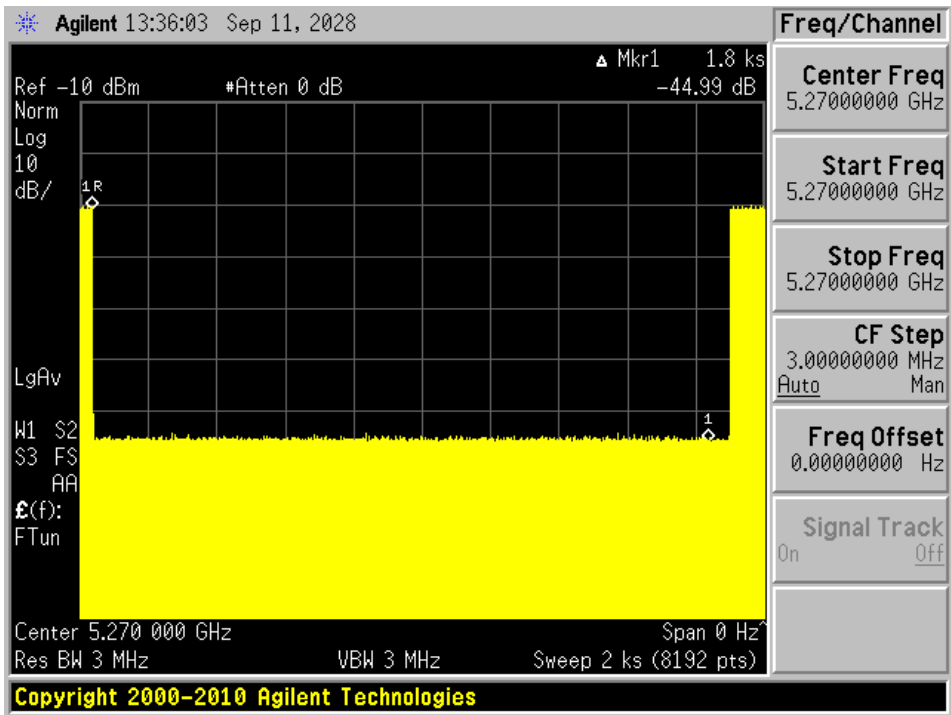
5550 MHz, Bandwidth 40 MHz
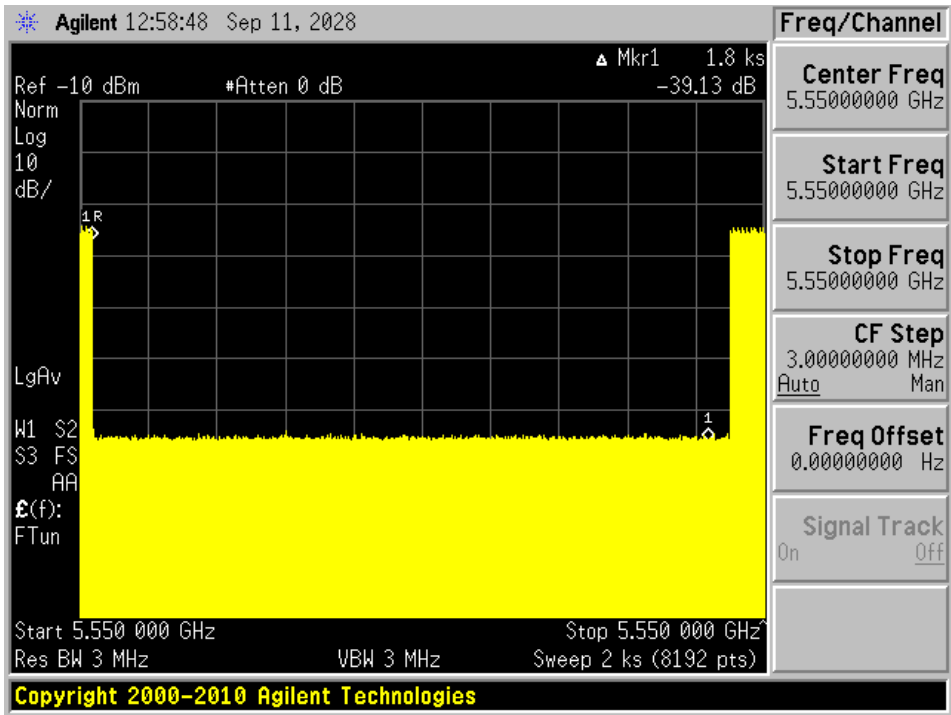
9   Radar Detection Bandwidth & Radar Detection Performance Check

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

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5270	5250	5290	40	100%	Compliance
5280	5270	5290	20	100%	Compliance
5290	5250	5330	80	100%	Compliance
5530	5490	5570	80	100%	Compliance
5540	5530	5550	20	100%	Compliance
5550	5530	5570	40	100%	Compliance

Please refer to the following tables.

Results of Detection Bandwidth:

EUT Frequency = 5280 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5269	0	0	0	0	0	0	0	0	0	0	0 %
5270(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5291	0	0	0	0	0	0	0	0	0	0	0 %

Detection Bandwidth = $F_H - F_L$=5290-5270=20 MHz

EUT 99% OBW = 17.60 MHz; 17.60 x 100% = 17.60 MHz   **Result:**   Pass

EUT Frequency = 5540 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5529	0	0	0	0	0	0	0	0	0	0	0 %
5530(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5551	0	0	0	0	0	0	0	0	0	0	0 %

Detection Bandwidth = $F_H - F_L$=5550-5530=20 MHz

EUT 99% OBW = 17.60 MHz; 17.60 x 100% = 17.60 MHz   **Result:**   Pass

Results of Detection Bandwidth:

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

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

EUT 99% OBW = 36.01 MHz; 36.01 x 100% = 36.01 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 (%)
5529	0	0	0	0	0	0	0	0	0	0	0 %
5530(F$_L$)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550(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 %
5570(F$_H$)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %

Detection Bandwidth = $F_H - F_L$=5570-5530=40 MHz

EUT 99% OBW = 35.89 MHz; 35.89 x 100% = 35.89 MHz   **Result:**   Pass

Results of Detection Bandwidth:

EUT Frequency = 5290 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5291	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H – F_L$=5330-5250=80 MHz										
EUT 99% OBW = 75.48 MHz; 75.48 x 100% = 75.48 MHz **Result:** Pass										

EUT Frequency = 5530 MHz										
DFS Detection Trials (1 = Detected, 0 = No Detected)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz										
EUT 99% OBW = 75.72 MHz; 75.72 x 100% = 75.72 MHz **Result:** Pass										

9.2   Radar Detection Performance Check

Procedure:

Stream MPEG file from master to slave
Generate radar waveform
Record whether or not the waveform was detected
At least 30 trials are applied for each radar type
      For radar types with randomized parameters, each trial uses a unique waveform
Perform with each of the radar types 1-6

Confirm that the detection rate for each radar type meets the minimum requirement
      Type 1A&1B, 2, 3, 4: 60% each
      Type 5: 80%
      Type 6: 70%
Confirm that the mean of the rates for radar types 1 through 4 meets the requirement of 80%

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

Test Results:

5280 MHz, 20 MHz Bandwidth

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

Please refer to the following statistical tables:

5280 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	59	1	898	1
2	5280	92	1	578	1
3	5280	68	1	778	1
4	5280	62	1	858	1
5	5280	99	1	538	1
6	5280	81	1	658	1
7	5280	63	1	838	1
8	5280	78	1	678	1
9	5280	18	1	3066	1
10	5280	61	1	878	1
11	5280	95	1	558	1
12	5280	70	1	758	1
13	5280	65	1	818	1
14	5280	67	1	798	1
15	5280	72	1	738	1
16	5280	65	1	817	1
17	5280	75	1	705	1
18	5280	59	1	906	1
19	5280	51	1	1039	1
20	5280	19	1	2826	1
21	5280	43	1	1254	1
22	5280	65	1	820	1
23	5280	21	1	2573	1
24	5280	24	1	2209	1
25	5280	25	1	2130	1
26	5280	47	1	1128	1
27	5280	28	1	1928	1
28	5280	21	1	2588	1
29	5280	20	1	2763	1
30	5280	22	1	2468	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5280	23	1.5	180	1
2	5280	23	4	171	1
3	5280	29	1.2	154	1
4	5280	29	4.3	195	1
5	5280	29	3.2	157	1
6	5280	27	1.5	212	1
7	5280	28	4.5	199	1
8	5280	23	1.4	230	1
9	5280	23	2.8	169	1
10	5280	26	4.4	157	1
11	5280	28	2	207	1
12	5280	28	3	159	1
13	5280	25	2.6	188	1
14	5280	28	4.6	197	1
15	5280	26	1.5	154	1
16	5280	24	3	170	1
17	5280	28	1.5	206	1
18	5280	28	3.4	202	1
19	5280	28	3.8	162	1
20	5280	29	4.4	197	1
21	5280	28	4.9	175	1
22	5280	23	2.4	193	1
23	5280	24	4.2	208	1
24	5280	29	3.7	200	1
25	5280	29	2.2	177	1
26	5280	27	3.5	171	1
27	5280	23	4.4	165	1
28	5280	28	3.6	189	1
29	5280	26	3.7	165	1
30	5280	23	4	154	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	16	7	363	1
2	5280	17	6.6	284	1
3	5280	17	8.3	201	1
4	5280	18	6.1	361	1
5	5280	18	7.6	341	1
6	5280	18	6.4	228	1
7	5280	17	8	373	1
8	5280	16	6.3	418	1
9	5280	18	9	391	1
10	5280	18	7.8	354	1
11	5280	16	6.9	458	1
12	5280	17	7	303	1
13	5280	16	6.1	312	1
14	5280	17	7.9	482	1
15	5280	17	7.7	264	1
16	5280	18	7.3	459	1
17	5280	18	9.7	310	1
18	5280	18	8	332	1
19	5280	18	7.5	495	1
20	5280	17	6.2	271	1
21	5280	16	9	300	1
22	5280	18	9.9	267	1
23	5280	18	6	243	1
24	5280	17	8.2	485	1
25	5280	17	6.2	373	1
26	5280	16	7.8	413	1
27	5280	18	6	491	1
28	5280	18	8.4	441	1
29	5280	16	8.1	413	1
30	5280	18	9.7	432	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	13	13.7	459	1
2	5280	12	16.6	253	1
3	5280	14	14	240	1
4	5280	16	14.4	302	1
5	5280	14	17.4	442	1
6	5280	16	14	354	1
7	5280	12	11.4	338	1
8	5280	14	17.7	415	1
9	5280	15	15.6	386	1
10	5280	12	20	463	1
11	5280	12	16.1	446	1
12	5280	12	19.5	265	1
13	5280	14	12.4	257	1
14	5280	14	18.4	334	1
15	5280	15	17	278	1
16	5280	14	12.6	480	1
17	5280	16	17.3	397	1
18	5280	14	19.2	234	1
19	5280	14	17.3	235	1
20	5280	12	17.4	325	1
21	5280	12	19	400	1
22	5280	13	16.3	257	1
23	5280	12	18	474	1
24	5280	13	11.1	373	1
25	5280	14	11.5	331	1
26	5280	14	12.8	224	1
27	5280	14	15.2	308	1
28	5280	15	11.8	351	1
29	5280	12	19.9	326	1
30	5280	15	20	277	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5280	1
2	5280	1
3	5280	1
4	5280	1
5	5280	0
6	5280	1
7	5280	1
8	5280	1
9	5280	1
10	5280	1
11	5278.2	1
12	5276.2	1
13	5278.2	0
14	5277.4	1
15	5276.6	1
16	5273	1
17	5273.8	1
18	5277	1
19	5274.2	1
20	5279	0
21	5285.4	1
22	5285	1
23	5283	1
24	5284.2	1
25	5286.2	1
26	5282.2	0
27	5282.2	1
28	5284.6	1
29	5282.6	1
30	5285.8	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	2	8	58.5	1949		0.9692	
1	3	8	62.4	1896	1847	2.260549	
2	1	8	83.3			2.967088	
3	3	8	76.1	1126	1995	4.988573	
4	2	8	66.5	1199		6.006167	1
5	3	8	60.3	1247	1022	6.945491	
6	1	8	53.5			9.120423	
7	3	8	56.6	1655	1076	9.662122	
8	1	8	79.5			11.744713	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	73.3	1792		0.154203	
1	1	8	68.5			1.01829	
2	2	8	97.1	1404		1.643839	
3	2	8	98.4	1817		2.013864	
4	1	8	77.9			2.568804	
5	2	8	54.4	1654		3.380308	
6	2	8	56.6	1663		4.201731	
7	3	8	93.9	1311	1194	4.840685	
8	2	8	91.4	1592		5.243593	
9	2	8	51.5	1203		5.717684	1
10	1	8	86.4			6.861599	
11	3	8	53.5	1747	1082	7.41044	
12	2	8	87.7	1131		8.08937	
13	2	8	56.3	1042		8.342505	
14	1	8	67.5			9.374708	
15	3	8	62.5	1437	1628	9.763695	
16	2	8	91.2	1142		10.35327	
17	3	8	92.1	1710	1474	10.921073	
18	2	8	92.6	1780		11.444694	

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	7	67.5	1722		0.856897	
1	3	7	60.5	1669	1235	1.67929	
2	2	7	61.6	1281		1.887797	
3	3	7	58.5	1575	1313	2.947365	
4	2	7	69.3	1149		4.229223	
5	1	7	87.4			4.856686	
6	1	7	98.3			6.199347	1
7	3	7	64.5	1790	1598	7.318121	
8	3	7	95.8	1157	1376	7.919017	
9	2	7	80.6	1997		8.65257	
10	2	7	56.7	1122		9.471675	
11	2	7	89.4	1842		10.994113	
12	2	7	85.9	1374		11.61312	

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	59.6	1240		0.809256	
1	3	9	93.6	1814	1362	1.691908	
2	2	9	77.8	1468		3.848355	
3	1	9	87.6			5.295886	1
4	1	9	83.4			7.294788	
5	2	9	60.3	1727		8.382344	
6	2	9	57.7	1092		10.414679	
7	2	9	83.8	1863		11.806751	

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	12	72.9	1724		0.414845	
1	3	12	97.9	1918	1813	1.788384	
2	2	12	83.6	1873		2.400008	
3	1	12	96.7			2.830018	
4	1	12	93.8			4.358885	
5	2	12	73.7	1026		5.205448	
6	2	12	55.5	1938		5.700069	0
7	1	12	85.1			6.872125	
8	1	12	84.3			7.797848	
9	2	12	86.2	1805		8.392284	
10	2	12	82.7	1691		9.927334	
11	1	12	77			10.746078	
12	3	12	53.9	1476	1836	11.934828	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	95.5			0.302167	
1	3	10	99.5	1286	1653	0.717413	
2	2	10	59.7	1324		1.627744	
3	3	10	67.1	1999	1644	2.500624	
4	2	10	73.7	1301		2.679922	
5	2	10	73.9	1495		3.396907	
6	1	10	58.4			4.155069	
7	2	10	70	1363		4.910255	
8	3	10	60.4	1214	1139	5.344856	
9	2	10	93.2	1036		6.167894	1
10	1	10	73.6			6.869987	
11	2	10	77.4	1028		7.491692	
12	3	10	94.7	1401	1434	8.200933	
13	3	10	69.7	1270	1209	8.793905	
14	2	10	76.3	1447		8.94059	
15	2	10	59.5	1537		10.024792	
16	1	10	59.7			10.564526	
17	2	10	57.7	1713		11.268046	
18	2	10	64.2	1381		11.483714	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	64.4	1278	1990	0.590921	
1	3	9	70.1	1762	1408	2.170847	
2	2	9	97	1444		3.867054	
3	3	9	94.5	1574	1727	5.584539	1
4	2	9	51.9	1528		7.205144	
5	2	9	50.4	1906		8.670142	
6	1	9	83.7			9.313008	
7	2	9	76	1405		10.757706	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	77			0.155722	
1	3	9	92.6	1713	1321	1.316211	
2	2	9	90.2	1887		1.538405	
3	2	9	79.2	1861		2.118623	
4	3	9	82.2	1163	1843	3.413964	
5	3	9	64.5	1351	1729	4.144966	
6	1	9	97.2			4.324104	
7	2	9	71.5	1752		5.073925	
8	2	9	55.7	1800		6.173416	1
9	2	9	50.1	1406		6.974455	
10	1	9	58.7			7.719842	
11	3	9	85.1	1727	1361	8.262204	
12	1	9	83.9			8.918425	
13	2	9	77.1	1519		9.760976	
14	1	9	58.4			10.374052	
15	2	9	95.6	1524		10.647492	
16	3	9	99.9	1783	1713	11.398948	

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	11	92.7	1828	1872	0.447611	
1	1	11	76.7			1.356189	
2	3	11	59.8	1540	1872	2.442254	
3	3	11	63.7	1396	1211	3.696461	
4	2	11	78.9	1688		4.475649	
5	1	11	90.4			5.588309	
6	2	11	82.5	1970		6.059626	1
7	3	11	90.8	1415	1775	7.09572	
8	2	11	87.2	1424		8.444678	
9	3	11	89.8	1998	1975	9.852108	
10	2	11	74	1567		10.212141	
11	1	11	80.4			11.231096	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	90.2	1311		0.651916	
1	2	7	81.5	1349		1.257447	
2	2	7	64.3	1868		2.989386	
3	2	7	84.3	1973		3.868886	
4	2	7	73.5	1266		4.422613	
5	1	7	83.2			6.30836	1
6	1	7	50.7			7.503155	
7	1	7	63.1			8.269388	
8	3	7	65.6	1404	1859	9.33825	
9	2	7	70.4	1065		10.343176	
10	3	7	54.9	1997	1176	11.119155	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	82.1	1160		0.483929	
1	2	18	93.7	1541		1.61554	
2	2	18	82.2	1727		2.772739	
3	2	18	51.1	1047		3.717589	
4	1	18	73.5			4.450953	
5	2	18	73.1	1545		5.865483	
6	3	18	57.2	1394	1783	6.204622	1
7	2	18	50.7	1512		7.744876	
8	2	18	66.8	1378		8.711203	
9	1	18	91.6			9.311814	
10	2	18	94.2	1547		10.599772	
11	3	18	82.5	1696	1076	11.04698	

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	13	73.7			0.640061	
1	1	13	88.4			0.990204	
2	3	13	93	1575	1952	1.761064	
3	2	13	94.2	1441		3.41361	
4	2	13	68.5	1779		4.280368	
5	3	13	80.7	1243	1714	4.303224	
6	3	13	52	1432	1757	5.149183	
7	2	13	78.9	1336		6.355338	1
8	2	13	72.9	1437		7.199874	
9	2	13	53.2	1707		8.498279	
10	2	13	95.2	1743		9.281285	
11	1	13	77.8			10.159029	
12	1	13	74.5			10.365309	
13	1	13	94.5			11.944249	

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	55.9	1697		0.903003	
1	3	18	69.3	1468	1400	1.377771	
2	3	18	54.7	1093	1907	2.868611	
3	2	18	66.4	1824		3.961392	
4	1	18	99.3			5.943126	
5	2	18	80.9	1309		6.742606	0
6	1	18	81.3			7.440347	
7	1	18	71.8			9.374207	
8	2	18	54.5	1828		10.647362	
9	2	18	58.2	1913		11.940102	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	81.4	1752		0.013073	
1	3	16	55.7	1084	1436	1.449509	
2	1	16	68.1			1.859909	
3	1	16	93			2.754637	
4	2	16	82.2	1563		3.25995	
5	2	16	75.1	1009		4.366043	
6	2	16	93.2	1571		5.030602	
7	1	16	50.4			5.354577	
8	1	16	83.1			6.066423	1
9	1	16	61.4			7.483674	
10	2	16	53.3	1601		8.225817	
11	1	16	99.6			8.741328	
12	3	16	80	1259	1904	9.427298	
13	3	16	96.5	1423	1496	9.984719	
14	3	16	84.7	1163	1610	11.094434	
15	2	16	67.5	1847		11.534945	

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	98.1	1080		0.037084	
1	2	14	98.8	1133		0.797606	
2	2	14	76.8	1751		1.635413	
3	2	14	55.5	1724		2.228994	
4	3	14	91.8	1190	1521	2.900178	
5	2	14	87.8	1202		4.112897	
6	2	14	84.2	1721		4.837876	
7	3	14	81.3	1293	1349	5.48727	
8	2	14	61.2	1646		6.237334	1
9	2	14	87.6	1410		6.984212	
10	1	14	90.9			7.343575	
11	3	14	70.2	1797	1930	8.194725	
12	2	14	86.3	1304		8.588034	
13	1	14	76.4			9.619028	
14	2	14	67.1	1852		10.547016	
15	2	14	70.2	1828		11.001898	
16	2	14	76.7	1977		11.813713	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	59.2	1379		0.238772	
1	2	5	76.5	1749		2.178044	
2	2	5	95.6	1001		3.14754	
3	1	5	81.1			5.270349	
4	1	5	88.9			5.504279	1
5	1	5	71.4			7.75859	
6	1	5	76.5			8.858416	
7	3	5	72.7	1065	1004	10.625309	
8	2	5	85.5	1249		11.972581	

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	7	54.7			0.113396	
1	3	7	96	1862	1823	0.864546	
2	1	7	76			2.235505	
3	1	7	70			2.901002	
4	3	7	73.4	1838	1318	3.204204	
5	2	7	86.7	1002		3.999126	
6	2	7	65	1718		5.215536	
7	3	7	92.9	1702	1665	5.920603	
8	3	7	79.5	1006	1939	6.606354	1
9	2	7	77.8	1839		7.303731	
10	2	7	70.6	1730		7.78321	
11	2	7	93.2	1260		8.517701	
12	2	7	71	1386		9.100764	
13	2	7	80.1	1109		9.750534	
14	2	7	85.3	1618		10.774835	
15	1	7	78.1			11.699987	

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	15	71	1818		0.795485	
1	2	15	87.5	1101		1.779206	
2	3	15	93.2	1837	1974	4.26259	
3	2	15	70.3	1803		4.529612	1
4	2	15	85.9	1422		6.418076	
5	1	15	66.2			7.971346	
6	2	15	76.1	1557		9.282674	
7	1	15	67.1			11.268859	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	76.7	1085		0.494745	
1	1	8	100			0.944417	
2	1	8	91.2			2.183897	
3	1	8	52.2			2.588872	
4	3	8	75.4	1004	1346	3.54436	
5	1	8	82.8			5.047238	
6	2	8	73.5	1371		5.288895	
7	1	8	52.4			6.445644	0
8	1	8	98			7.077558	
9	1	8	53.7			8.315534	
10	2	8	95.4	1974		9.289932	
11	2	8	56.7	1788		10.044135	
12	3	8	71.6	1347	1761	11.074282	
13	1	8	54.6			11.317079	

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	20	79.6			0.246653	
1	2	20	68	1365		0.9578	
2	2	20	91.6	1727		2.201639	
3	2	20	97.8	1654		2.489274	
4	2	20	92.3	1012		3.317278	
5	1	20	92.5			4.270766	
6	2	20	63.6	1441		4.668246	
7	1	20	71.4			5.368474	
8	2	20	98.4	1329		6.519651	0
9	1	20	84.7			6.773604	
10	3	20	88.5	1544	1812	7.799484	
11	3	20	51.9	1169	1496	8.869767	
12	2	20	85.4	1986		9.574871	
13	1	20	68.5			10.22187	
14	2	20	82.6	1644		11.215259	
15	2	20	83.4	1714		11.536626	

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	73.9	1468		0.682221	
1	2	9	58.6	1761		0.938532	
2	1	9	91.4			2.276559	
3	2	9	72.3	1389		2.633898	
4	2	9	57.9	1716		3.28455	
5	2	9	51.7	1479		4.399623	
6	1	9	83.6			5.07383	
7	1	9	70.6			6.257362	1
8	1	9	87.9			6.572493	
9	2	9	67.2	1020		7.83728	
10	1	9	70.9			8.270846	
11	2	9	50.2	1860		9.014321	
12	1	9	54.1			10.347984	
13	2	9	50.1	1313		10.954271	
14	2	9	70.4	1939		11.68141	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	83.4	1136	1781	0.487483	
1	2	10	83.9	1330		1.766859	
2	3	10	88.2	1817	1878	3.158474	
3	2	10	84.2	1575		3.59283	
4	2	10	66.2	1809		4.506318	
5	2	10	86.5	1165		5.506477	1
6	3	10	81.8	1100	1831	6.559594	
7	2	10	79.2	1633		7.889737	
8	2	10	90.5	1050		9.564704	
9	2	10	80.3	1986		9.939837	
10	2	10	71.5	1394		11.813647	

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	15	77.1	1096		0.175916	
1	2	15	88.8	1754		0.846056	
2	2	15	95.1	1760		1.457313	
3	2	15	89.4	1209		2.234857	
4	2	15	62.9	1573		2.461017	
5	2	15	94.9	1006		3.199486	
6	1	15	71.9			3.876705	
7	1	15	79.7			4.686697	
8	2	15	88.4	1480		4.803787	
9	2	15	87.7	1362		5.83288	
10	1	15	92.3			6.528776	1
11	2	15	85	1576		6.877305	
12	3	15	56.5	1915	1931	7.234947	
13	1	15	92.5			8.010022	
14	3	15	91.8	1950	1409	8.75463	
15	2	15	61.4	1607		9.336131	
16	1	15	86.9			9.630494	
17	2	15	69.7	1534		10.660778	
18	1	15	76.2			11.142569	
19	2	15	88.6	1873		11.771341	

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	12	96	1749		0.7588	
1	1	12	53.1			1.600987	
2	2	12	65.7	1537		3.951587	
3	1	12	91.3			5.975359	1
4	2	12	78.6	1461		6.282796	
5	1	12	72.9			8.129908	
6	2	12	61.6	1540		9.45388	
7	3	12	73.4	1190	1018	11.870671	

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	7	57.7	1802		1.095314	
1	2	7	62.6	1166		2.38419	
2	1	7	91.3			2.636705	
3	2	7	82.6	1645		4.7634	
4	1	7	74.6			5.454084	
5	1	7	57.2			6.657147	1
6	3	7	78.6	1692	1127	7.337243	
7	2	7	52	1033		8.938248	
8	2	7	66.4	1564		10.060575	
9	2	7	59.5	1067		11.547563	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	67.4			0.265803	
1	2	17	84	1059		0.928463	
2	2	17	89	1689		1.455206	
3	2	17	61.7	1239		2.748661	
4	2	17	87.3	1181		3.127858	
5	3	17	95.2	1420	1064	4.210402	
6	3	17	92.1	1088	1589	4.589421	
7	3	17	97.8	1063	1605	5.426887	
8	2	17	71.6	1403		5.783596	0
9	2	17	97.4	1793		6.378067	
10	2	17	56.8	1816		7.607297	
11	1	17	95.3			8.284213	
12	1	17	59			8.853826	
13	1	17	90			9.467268	
14	2	17	89.8	1665		10.103506	
15	1	17	54.5			11.042751	
16	3	17	55.8	1898	1173	11.299301	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	95			0.001141	
1	1	17	65.2			1.540487	
2	3	17	56.3	1194	1744	2.066807	
3	3	17	78.7	1374	1515	3.675195	
4	3	17	87	1808	1176	4.406204	
5	2	17	72.3	1706		5.262496	
6	2	17	66	1960		6.11833	1
7	1	17	73.1			7.198148	
8	2	17	83.9	1750		7.678853	
9	2	17	50.3	1431		9.080494	
10	2	17	75.7	1820		9.447819	
11	3	17	75.1	1752	1844	10.619244	
12	3	17	60.7	1952	1579	11.799878	

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	11	70.2	1435		0.742526	
1	2	11	84.5	1545		2.425749	
2	2	11	72.9	1721		3.483668	
3	2	11	91.4	1874		5.597173	1
4	2	11	56.3	1434		7.449728	
5	2	11	51.2	1946		7.710199	
6	2	11	57.1	1933		9.63106	
7	1	11	65.9			11.780004	

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	75.9	1832		0.853631	
1	2	16	83.8	1961		1.245809	
2	1	16	98.4			2.412068	
3	2	16	68.7	1067		3.857227	
4	2	16	66	1001		5.157809	
5	2	16	51.2	1842		6.351822	1
6	3	16	96.9	1308	1409	6.587356	
7	2	16	82.5	1694		8.354827	
8	1	16	97.3			8.842721	
9	1	16	53.1			10.33079	
10	1	16	66.6			11.653528	

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	8	61.7			0.369616	
1	2	8	77.6	1144		1.140246	
2	2	8	53.4	1256		2.708625	
3	3	8	62	1122	1558	3.716187	
4	2	8	50.8	1952		5.053766	
5	2	8	87	1376		5.823301	1
6	2	8	66.7	1214		7.454733	
7	2	8	83.5	1569		8.613289	
8	3	8	80.8	1953	1134	9.175941	
9	2	8	52	1395		10.043613	
10	1	8	91.4			11.353257	

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	5280	9	1	333	1	5485.0, 5708.0, 5394.0, 5487.0, 5596.0, 5365.0, 5694.0, 5716.0, 5322.0, 5437.0, 5632.0, 5604.0, 5292.0, 5318.0, 5374.0, 5482.0, 5706.0, 5432.0, 5372.0, 5400.0, 5295.0, 5407.0, 5429.0, 5550.0, 5661.0, 5415.0, 5591.0, 5453.0, 5309.0, 5606.0, 5440.0, 5307.0, 5425.0, 5371.0, 5603.0, 5634.0, 5579.0, 5572.0, 5297.0, 5462.0, 5274.0, 5502.0, 5385.0, 5653.0, 5593.0, 5388.0, 5479.0, 5258.0, 5598.0, 5607.0, 5327.0, 5355.0, 5393.0, 5402.0, 5460.0, 5583.0, 5470.0, 5340.0, 5597.0, 5478.0, 5522.0, 5664.0, 5556.0, 5269.0, 5642.0, 5701.0, 5314.0, 5675.0, 5657.0, 5459.0, 5494.0, 5362.0, 5568.0, 5655.0, 5313.0, 5264.0, 5616.0, 5696.0, 5315.0, 5272.0, 5434.0, 5325.0, 5283.0, 5285.0, 5516.0, 5562.0, 5384.0, 5625.0, 5549.0, 5695.0, 5489.0, 5667.0, 5405.0, 5692.0, 5330.0, 5511.0, 5323.0, 5555.0, 5458.0, 5305.0 (number of hits: 4)
2	5280	9	1	333	1	5523.0, 5652.0, 5341.0, 5385.0, 5658.0, 5617.0, 5375.0, 5653.0, 5621.0, 5662.0, 5701.0, 5312.0, 5254.0, 5443.0, 5602.0, 5348.0, 5650.0, 5586.0, 5564.0, 5689.0, 5692.0, 5474.0, 5327.0, 5331.0, 5360.0, 5275.0, 5356.0, 5430.0, 5660.0, 5705.0, 5515.0, 5628.0, 5488.0, 5271.0, 5607.0, 5403.0, 5447.0, 5647.0, 5532.0, 5661.0, 5259.0, 5388.0, 5613.0, 5480.0, 5514.0, 5415.0, 5565.0, 5448.0, 5703.0, 5559.0, 5257.0, 5417.0, 5683.0, 5349.0, 5376.0, 5300.0, 5533.0, 5687.0, 5255.0, 5704.0, 5263.0, 5506.0, 5513.0, 5639.0, 5471.0, 5334.0, 5603.0, 5668.0, 5277.0, 5264.0, 5493.0, 5497.0, 5307.0, 5319.0, 5722.0, 5368.0, 5393.0, 5558.0, 5310.0, 5539.0, 5638.0, 5670.0, 5591.0, 5329.0, 5637.0, 5285.0, 5298.0, 5293.0, 5316.0, 5593.0, 5519.0, 5405.0, 5544.0, 5397.0, 5394.0, 5546.0, 5659.0, 5459.0, 5536.0, 5503.0 (number of hits: 4)
3	5280	9	1	333	1	5504.0, 5641.0, 5717.0, 5548.0, 5600.0, 5699.0, 5655.0, 5688.0, 5411.0, 5461.0, 5295.0, 5592.0, 5594.0, 5418.0, 5689.0, 5682.0, 5388.0, 5257.0, 5368.0, 5570.0, 5556.0, 5500.0, 5545.0, 5376.0, 5439.0, 5412.0, 5541.0, 5631.0, 5710.0, 5350.0, 5464.0, 5567.0, 5438.0, 5470.0, 5287.0, 5433.0, 5524.0, 5330.0, 5597.0, 5297.0, 5465.0, 5269.0, 5415.0, 5312.0, 5392.0, 5599.0, 5434.0, 5589.0, 5537.0, 5546.0, 5529.0, 5280.0, 5505.0, 5319.0, 5471.0,

						5517.0, 5353.0, 5701.0, 5291.0, 5306.0, 5616.0, 5342.0, 5558.0, 5331.0, 5354.0, 5294.0, 5494.0, 5523.0, 5648.0, 5307.0, 5709.0, 5440.0, 5410.0, 5401.0, 5254.0, 5375.0, 5511.0, 5275.0, 5462.0, 5695.0, 5272.0, 5255.0, 5447.0, 5652.0, 5335.0, 5429.0, 5579.0, 5258.0, 5271.0, 5687.0, 5720.0, 5634.0, 5340.0, 5363.0, 5436.0, 5539.0, 5667.0, 5563.0, 5547.0, 5496.0 (number of hits: 5)
4	5280	9	1	333	1	5585.0, 5300.0, 5612.0, 5614.0, 5428.0, 5446.0, 5565.0, 5690.0, 5498.0, 5622.0, 5378.0, 5382.0, 5312.0, 5547.0, 5595.0, 5663.0, 5603.0, 5397.0, 5435.0, 5526.0, 5520.0, 5427.0, 5370.0, 5253.0, 5616.0, 5654.0, 5274.0, 5342.0, 5635.0, 5696.0, 5418.0, 5448.0, 5451.0, 5385.0, 5601.0, 5658.0, 5567.0, 5581.0, 5720.0, 5649.0, 5694.0, 5369.0, 5518.0, 5494.0, 5420.0, 5500.0, 5318.0, 5305.0, 5634.0, 5723.0, 5258.0, 5405.0, 5409.0, 5340.0, 5356.0, 5629.0, 5350.0, 5434.0, 5267.0, 5467.0, 5712.0, 5560.0, 5497.0, 5541.0, 5607.0, 5666.0, 5496.0, 5461.0, 5403.0, 5456.0, 5700.0, 5534.0, 5281.0, 5366.0, 5351.0, 5283.0, 5379.0, 5636.0, 5443.0, 5697.0, 5591.0, 5517.0, 5501.0, 5301.0, 5573.0, 5256.0, 5459.0, 5570.0, 5268.0, 5484.0, 5284.0, 5717.0, 5522.0, 5703.0, 5355.0, 5577.0, 5605.0, 5384.0, 5343.0, 5444.0 (number of hits: 4)
5	5280	9	1	333	1	5581.0, 5700.0, 5449.0, 5511.0, 5448.0, 5374.0, 5599.0, 5539.0, 5262.0, 5472.0, 5300.0, 5426.0, 5593.0, 5663.0, 5367.0, 5686.0, 5392.0, 5559.0, 5403.0, 5309.0, 5719.0, 5638.0, 5622.0, 5437.0, 5269.0, 5552.0, 5578.0, 5335.0, 5417.0, 5685.0, 5329.0, 5321.0, 5668.0, 5431.0, 5582.0, 5654.0, 5343.0, 5500.0, 5626.0, 5327.0, 5606.0, 5661.0, 5691.0, 5544.0, 5320.0, 5414.0, 5353.0, 5482.0, 5284.0, 5620.0, 5384.0, 5362.0, 5359.0, 5434.0, 5623.0, 5672.0, 5687.0, 5650.0, 5580.0, 5718.0, 5504.0, 5312.0, 5363.0, 5635.0, 5334.0, 5676.0, 5388.0, 5411.0, 5458.0, 5288.0, 5324.0, 5401.0, 5563.0, 5583.0, 5301.0, 5360.0, 5617.0, 5350.0, 5571.0, 5645.0, 5684.0, 5556.0, 5373.0, 5396.0, 5348.0, 5416.0, 5496.0, 5365.0, 5549.0, 5299.0, 5643.0, 5258.0, 5537.0, 5430.0, 5682.0, 5385.0, 5372.0, 5646.0, 5469.0, 5567.0 (number of hits: 2)
6	5280	9	1	333	1	5566.0, 5476.0, 5394.0, 5570.0, 5428.0, 5475.0, 5258.0, 5319.0, 5295.0, 5357.0, 5539.0, 5422.0, 5707.0, 5255.0, 5675.0, 5412.0, 5635.0, 5406.0, 5554.0, 5458.0, 5474.0, 5695.0, 5360.0, 5597.0, 5289.0, 5306.0, 5625.0, 5389.0, 5582.0, 5650.0, 5671.0, 5661.0, 5348.0, 5298.0, 5291.0,

						5660.0, 5341.0, 5313.0, 5417.0, 5327.0, 5353.0, 5527.0, 5384.0, 5468.0, 5594.0, 5606.0, 5339.0, 5510.0, 5377.0, 5250.0, 5700.0, 5316.0, 5323.0, 5431.0, 5350.0, 5552.0, 5515.0, 5498.0, 5284.0, 5288.0, 5577.0, 5464.0, 5608.0, 5550.0, 5371.0, 5345.0, 5518.0, 5721.0, 5286.0, 5307.0, 5505.0, 5576.0, 5427.0, 5508.0, 5654.0, 5616.0, 5391.0, 5531.0, 5456.0, 5305.0, 5528.0, 5573.0, 5647.0, 5561.0, 5447.0, 5399.0, 5466.0, 5624.0, 5477.0, 5683.0, 5378.0, 5435.0, 5356.0, 5312.0, 5329.0, 5649.0, 5373.0, 5297.0, 5658.0, 5415.0 (number of hits: 4)
7	5280	9	1	333	1	5384.0, 5584.0, 5446.0, 5591.0, 5391.0, 5261.0, 5421.0, 5371.0, 5345.0, 5302.0, 5287.0, 5644.0, 5632.0, 5513.0, 5626.0, 5451.0, 5431.0, 5282.0, 5329.0, 5359.0, 5654.0, 5366.0, 5627.0, 5667.0, 5275.0, 5491.0, 5610.0, 5697.0, 5350.0, 5270.0, 5488.0, 5295.0, 5254.0, 5332.0, 5420.0, 5453.0, 5664.0, 5688.0, 5537.0, 5713.0, 5355.0, 5378.0, 5715.0, 5342.0, 5500.0, 5363.0, 5665.0, 5666.0, 5435.0, 5445.0, 5567.0, 5672.0, 5680.0, 5695.0, 5570.0, 5427.0, 5555.0, 5438.0, 5528.0, 5578.0, 5300.0, 5430.0, 5310.0, 5291.0, 5481.0, 5375.0, 5401.0, 5525.0, 5403.0, 5290.0, 5307.0, 5507.0, 5614.0, 5550.0, 5406.0, 5558.0, 5642.0, 5412.0, 5722.0, 5611.0, 5289.0, 5419.0, 5681.0, 5557.0, 5467.0, 5423.0, 5598.0, 5315.0, 5503.0, 5368.0, 5673.0, 5344.0, 5523.0, 5640.0, 5370.0, 5322.0, 5596.0, 5542.0, 5519.0, 5258.0 (number of hits: 5)
8	5280	9	1	333	1	5507.0, 5468.0, 5498.0, 5534.0, 5413.0, 5539.0, 5452.0, 5408.0, 5433.0, 5373.0, 5475.0, 5454.0, 5620.0, 5530.0, 5385.0, 5307.0, 5363.0, 5375.0, 5378.0, 5666.0, 5646.0, 5411.0, 5523.0, 5671.0, 5407.0, 5350.0, 5364.0, 5308.0, 5331.0, 5365.0, 5677.0, 5316.0, 5349.0, 5278.0, 5402.0, 5297.0, 5685.0, 5325.0, 5387.0, 5604.0, 5602.0, 5577.0, 5263.0, 5639.0, 5642.0, 5558.0, 5284.0, 5579.0, 5711.0, 5535.0, 5285.0, 5626.0, 5658.0, 5493.0, 5500.0, 5459.0, 5629.0, 5397.0, 5586.0, 5384.0, 5570.0, 5269.0, 5504.0, 5682.0, 5545.0, 5713.0, 5252.0, 5381.0, 5254.0, 5322.0, 5281.0, 5601.0, 5662.0, 5392.0, 5337.0, 5595.0, 5529.0, 5314.0, 5627.0, 5566.0, 5719.0, 5291.0, 5695.0, 5369.0, 5311.0, 5287.0, 5335.0, 5333.0, 5551.0, 5326.0, 5427.0, 5295.0, 5636.0, 5513.0, 5633.0, 5661.0, 5721.0, 5256.0, 5622.0, 5286.0 (number of hits: 6)
9	5280	9	1	333	1	5531.0, 5679.0, 5574.0, 5593.0, 5517.0, 5316.0, 5251.0, 5337.0, 5377.0, 5698.0, 5671.0, 5389.0, 5640.0, 5390.0, 5718.0,

						5472.0, 5572.0, 5689.0, 5583.0, 5471.0, 5356.0, 5645.0, 5271.0, 5491.0, 5721.0, 5452.0, 5388.0, 5345.0, 5657.0, 5364.0, 5374.0, 5667.0, 5691.0, 5348.0, 5300.0, 5675.0, 5479.0, 5610.0, 5349.0, 5436.0, 5584.0, 5403.0, 5501.0, 5460.0, 5328.0, 5450.0, 5665.0, 5280.0, 5577.0, 5673.0, 5553.0, 5427.0, 5706.0, 5649.0, 5376.0, 5252.0, 5431.0, 5440.0, 5358.0, 5607.0, 5422.0, 5455.0, 5512.0, 5266.0, 5492.0, 5659.0, 5709.0, 5477.0, 5277.0, 5339.0, 5322.0, 5273.0, 5346.0, 5448.0, 5464.0, 5321.0, 5392.0, 5570.0, 5395.0, 5483.0, 5677.0, 5658.0, 5444.0, 5535.0, 5633.0, 5646.0, 5500.0, 5367.0, 5319.0, 5682.0, 5723.0, 5250.0, 5284.0, 5685.0, 5352.0, 5342.0, 5424.0, 5329.0, 5332.0, 5435.0 (number of hits: 5)
10	5280	9	1	333	1	5462.0, 5286.0, 5392.0, 5380.0, 5579.0, 5345.0, 5463.0, 5300.0, 5445.0, 5263.0, 5336.0, 5449.0, 5510.0, 5481.0, 5456.0, 5506.0, 5310.0, 5388.0, 5340.0, 5707.0, 5543.0, 5538.0, 5708.0, 5405.0, 5585.0, 5578.0, 5324.0, 5329.0, 5535.0, 5669.0, 5269.0, 5431.0, 5315.0, 5295.0, 5373.0, 5497.0, 5268.0, 5710.0, 5574.0, 5305.0, 5545.0, 5572.0, 5580.0, 5348.0, 5644.0, 5444.0, 5287.0, 5289.0, 5411.0, 5601.0, 5339.0, 5355.0, 5553.0, 5490.0, 5564.0, 5675.0, 5419.0, 5702.0, 5677.0, 5631.0, 5557.0, 5546.0, 5292.0, 5368.0, 5393.0, 5425.0, 5254.0, 5562.0, 5361.0, 5511.0, 5458.0, 5532.0, 5575.0, 5556.0, 5436.0, 5554.0, 5457.0, 5607.0, 5308.0, 5713.0, 5624.0, 5629.0, 5330.0, 5622.0, 5311.0, 5567.0, 5640.0, 5494.0, 5633.0, 5522.0, 5661.0, 5639.0, 5379.0, 5360.0, 5451.0, 5668.0, 5314.0, 5337.0, 5349.0, 5483.0 (number of hits: 3)
11	5280	9	1	333	1	5624.0, 5451.0, 5464.0, 5604.0, 5519.0, 5444.0, 5486.0, 5323.0, 5657.0, 5334.0, 5640.0, 5684.0, 5574.0, 5442.0, 5653.0, 5556.0, 5687.0, 5537.0, 5345.0, 5680.0, 5702.0, 5427.0, 5347.0, 5637.0, 5528.0, 5535.0, 5328.0, 5254.0, 5456.0, 5689.0, 5613.0, 5288.0, 5264.0, 5575.0, 5498.0, 5332.0, 5359.0, 5704.0, 5340.0, 5523.0, 5690.0, 5461.0, 5698.0, 5396.0, 5705.0, 5266.0, 5696.0, 5707.0, 5515.0, 5466.0, 5409.0, 5514.0, 5648.0, 5267.0, 5369.0, 5533.0, 5630.0, 5310.0, 5656.0, 5446.0, 5269.0, 5508.0, 5308.0, 5518.0, 5387.0, 5414.0, 5436.0, 5708.0, 5426.0, 5379.0, 5511.0, 5329.0, 5693.0, 5383.0, 5571.0, 5492.0, 5253.0, 5397.0, 5460.0, 5585.0, 5428.0, 5271.0, 5614.0, 5277.0, 5591.0, 5546.0, 5286.0, 5673.0, 5354.0, 5495.0, 5284.0, 5642.0, 5346.0, 5380.0, 5483.0, 5605.0, 5625.0, 5465.0, 5576.0, 5713.0

						(number of hits: 5)
12	5280	9	1	333	1	5705.0, 5671.0, 5494.0, 5583.0, 5640.0, 5262.0, 5614.0, 5662.0, 5533.0, 5606.0, 5616.0, 5712.0, 5280.0, 5655.0, 5402.0, 5573.0, 5467.0, 5459.0, 5250.0, 5643.0, 5689.0, 5415.0, 5523.0, 5633.0, 5356.0, 5468.0, 5274.0, 5693.0, 5676.0, 5518.0, 5490.0, 5629.0, 5472.0, 5493.0, 5325.0, 5364.0, 5683.0, 5464.0, 5480.0, 5266.0, 5289.0, 5420.0, 5711.0, 5554.0, 5259.0, 5261.0, 5410.0, 5361.0, 5724.0, 5582.0, 5405.0, 5294.0, 5618.0, 5455.0, 5283.0, 5411.0, 5470.0, 5290.0, 5440.0, 5442.0, 5677.0, 5304.0, 5598.0, 5399.0, 5595.0, 5501.0, 5696.0, 5670.0, 5540.0, 5559.0, 5563.0, 5717.0, 5657.0, 5509.0, 5441.0, 5506.0, 5413.0, 5531.0, 5382.0, 5530.0, 5610.0, 5394.0, 5719.0, 5328.0, 5300.0, 5558.0, 5326.0, 5538.0, 5682.0, 5358.0, 5615.0, 5553.0, 5664.0, 5426.0, 5542.0, 5588.0, 5388.0, 5272.0, 5695.0, 5591.0
						(number of hits: 5)
13	5280	9	1	333	1	5507.0, 5516.0, 5320.0, 5489.0, 5348.0, 5461.0, 5568.0, 5484.0, 5633.0, 5311.0, 5254.0, 5532.0, 5500.0, 5250.0, 5414.0, 5575.0, 5711.0, 5688.0, 5418.0, 5332.0, 5600.0, 5699.0, 5405.0, 5455.0, 5296.0, 5425.0, 5523.0, 5591.0, 5715.0, 5453.0, 5426.0, 5697.0, 5693.0, 5412.0, 5467.0, 5459.0, 5703.0, 5552.0, 5440.0, 5402.0, 5273.0, 5695.0, 5537.0, 5482.0, 5627.0, 5664.0, 5717.0, 5716.0, 5495.0, 5710.0, 5651.0, 5430.0, 5520.0, 5286.0, 5411.0, 5275.0, 5561.0, 5587.0, 5478.0, 5499.0, 5607.0, 5648.0, 5583.0, 5465.0, 5712.0, 5437.0, 5441.0, 5534.0, 5616.0, 5442.0, 5341.0, 5515.0, 5266.0, 5322.0, 5468.0, 5294.0, 5517.0, 5422.0, 5656.0, 5346.0, 5647.0, 5417.0, 5383.0, 5381.0, 5590.0, 5658.0, 5498.0, 5283.0, 5431.0, 5698.0, 5657.0, 5524.0, 5463.0, 5282.0, 5659.0, 5625.0, 5429.0, 5522.0, 5586.0, 5330.0
						(number of hits: 5)
14	5280	9	1	333	1	5613.0, 5592.0, 5488.0, 5654.0, 5320.0, 5264.0, 5267.0, 5361.0, 5398.0, 5571.0, 5619.0, 5707.0, 5349.0, 5439.0, 5418.0, 5276.0, 5667.0, 5282.0, 5719.0, 5670.0, 5365.0, 5432.0, 5495.0, 5513.0, 5552.0, 5500.0, 5635.0, 5558.0, 5323.0, 5602.0, 5251.0, 5535.0, 5593.0, 5648.0, 5356.0, 5450.0, 5321.0, 5254.0, 5347.0, 5549.0, 5388.0, 5426.0, 5263.0, 5315.0, 5384.0, 5531.0, 5457.0, 5570.0, 5359.0, 5716.0, 5646.0, 5661.0, 5261.0, 5253.0, 5492.0, 5672.0, 5346.0, 5528.0, 5660.0, 5662.0, 5544.0, 5584.0, 5609.0, 5585.0, 5671.0, 5443.0, 5455.0, 5459.0, 5477.0, 5390.0, 5614.0, 5522.0, 5342.0, 5255.0, 5617.0, 5310.0, 5358.0, 5336.0, 5389.0, 5673.0,

						5395.0, 5266.0, 5273.0, 5311.0, 5325.0, 5640.0, 5467.0, 5574.0, 5668.0, 5277.0, 5508.0, 5401.0, 5274.0, 5606.0, 5293.0, 5589.0, 5666.0, 5301.0, 5286.0, 5608.0 (number of hits: 6)
15	5280	9	1	333	1	5436.0, 5632.0, 5705.0, 5273.0, 5280.0, 5418.0, 5377.0, 5362.0, 5475.0, 5361.0, 5717.0, 5405.0, 5644.0, 5648.0, 5411.0, 5711.0, 5292.0, 5385.0, 5554.0, 5425.0, 5298.0, 5537.0, 5510.0, 5530.0, 5281.0, 5518.0, 5501.0, 5598.0, 5412.0, 5369.0, 5503.0, 5686.0, 5451.0, 5574.0, 5720.0, 5590.0, 5465.0, 5636.0, 5499.0, 5626.0, 5597.0, 5473.0, 5344.0, 5443.0, 5668.0, 5528.0, 5652.0, 5352.0, 5531.0, 5561.0, 5575.0, 5609.0, 5330.0, 5523.0, 5573.0, 5723.0, 5676.0, 5408.0, 5269.0, 5357.0, 5254.0, 5479.0, 5641.0, 5277.0, 5500.0, 5268.0, 5677.0, 5654.0, 5311.0, 5335.0, 5263.0, 5460.0, 5642.0, 5552.0, 5509.0, 5274.0, 5713.0, 5433.0, 5724.0, 5395.0, 5287.0, 5368.0, 5507.0, 5474.0, 5404.0, 5397.0, 5522.0, 5544.0, 5407.0, 5637.0, 5326.0, 5578.0, 5589.0, 5482.0, 5715.0, 5256.0, 5661.0, 5432.0, 5423.0, 5463.0 (number of hits: 6)
16	5280	9	1	333	1	5693.0, 5665.0, 5601.0, 5530.0, 5676.0, 5537.0, 5301.0, 5260.0, 5412.0, 5344.0, 5484.0, 5504.0, 5431.0, 5516.0, 5539.0, 5465.0, 5392.0, 5341.0, 5595.0, 5707.0, 5556.0, 5379.0, 5400.0, 5666.0, 5286.0, 5659.0, 5455.0, 5410.0, 5670.0, 5287.0, 5646.0, 5681.0, 5563.0, 5587.0, 5473.0, 5686.0, 5258.0, 5647.0, 5552.0, 5592.0, 5406.0, 5528.0, 5649.0, 5560.0, 5289.0, 5551.0, 5550.0, 5717.0, 5356.0, 5688.0, 5535.0, 5627.0, 5418.0, 5695.0, 5706.0, 5496.0, 5481.0, 5408.0, 5626.0, 5543.0, 5505.0, 5288.0, 5310.0, 5259.0, 5434.0, 5515.0, 5458.0, 5623.0, 5650.0, 5440.0, 5489.0, 5351.0, 5718.0, 5640.0, 5615.0, 5389.0, 5570.0, 5362.0, 5482.0, 5708.0, 5654.0, 5291.0, 5645.0, 5604.0, 5368.0, 5580.0, 5600.0, 5334.0, 5407.0, 5657.0, 5679.0, 5590.0, 5576.0, 5321.0, 5420.0, 5577.0, 5265.0, 5658.0, 5367.0, 5474.0 (number of hits: 4)
17	5280	9	1	333	1	5494.0, 5543.0, 5307.0, 5304.0, 5616.0, 5431.0, 5297.0, 5651.0, 5273.0, 5251.0, 5292.0, 5640.0, 5337.0, 5623.0, 5258.0, 5374.0, 5705.0, 5275.0, 5488.0, 5484.0, 5490.0, 5466.0, 5331.0, 5709.0, 5414.0, 5567.0, 5467.0, 5529.0, 5636.0, 5335.0, 5712.0, 5578.0, 5285.0, 5635.0, 5615.0, 5363.0, 5355.0, 5493.0, 5479.0, 5443.0, 5437.0, 5513.0, 5333.0, 5272.0, 5462.0, 5645.0, 5495.0, 5714.0, 5439.0, 5532.0, 5332.0, 5624.0, 5290.0, 5469.0, 5425.0, 5277.0, 5511.0, 5504.0, 5684.0, 5697.0,

						5720.0, 5584.0, 5598.0, 5677.0, 5540.0, 5534.0, 5313.0, 5359.0, 5698.0, 5420.0, 5558.0, 5500.0, 5454.0, 5577.0, 5607.0, 5569.0, 5575.0, 5320.0, 5281.0, 5555.0, 5366.0, 5317.0, 5676.0, 5324.0, 5630.0, 5613.0, 5403.0, 5675.0, 5585.0, 5261.0, 5442.0, 5549.0, 5519.0, 5316.0, 5702.0, 5482.0, 5699.0, 5365.0, 5514.0, 5612.0 (number of hits: 6)
18	5280	9	1	333	1	5588.0, 5687.0, 5491.0, 5584.0, 5631.0, 5696.0, 5465.0, 5259.0, 5382.0, 5458.0, 5261.0, 5672.0, 5535.0, 5297.0, 5530.0, 5323.0, 5563.0, 5393.0, 5574.0, 5409.0, 5313.0, 5677.0, 5652.0, 5457.0, 5445.0, 5656.0, 5459.0, 5651.0, 5699.0, 5441.0, 5370.0, 5473.0, 5319.0, 5430.0, 5346.0, 5609.0, 5309.0, 5455.0, 5269.0, 5559.0, 5555.0, 5650.0, 5462.0, 5414.0, 5525.0, 5548.0, 5599.0, 5335.0, 5368.0, 5258.0, 5386.0, 5299.0, 5566.0, 5629.0, 5669.0, 5721.0, 5706.0, 5422.0, 5612.0, 5575.0, 5500.0, 5594.0, 5322.0, 5616.0, 5516.0, 5321.0, 5317.0, 5557.0, 5526.0, 5374.0, 5538.0, 5437.0, 5615.0, 5630.0, 5603.0, 5719.0, 5657.0, 5257.0, 5675.0, 5590.0, 5506.0, 5613.0, 5305.0, 5507.0, 5534.0, 5682.0, 5541.0, 5649.0, 5679.0, 5359.0, 5554.0, 5695.0, 5621.0, 5619.0, 5369.0, 5503.0, 5701.0, 5641.0, 5517.0, 5285.0 (number of hits: 1)
19	5280	9	1	333	1	5579.0, 5306.0, 5590.0, 5530.0, 5325.0, 5474.0, 5650.0, 5674.0, 5397.0, 5513.0, 5384.0, 5406.0, 5546.0, 5378.0, 5616.0, 5350.0, 5480.0, 5653.0, 5565.0, 5658.0, 5606.0, 5265.0, 5425.0, 5382.0, 5656.0, 5571.0, 5718.0, 5452.0, 5525.0, 5497.0, 5566.0, 5301.0, 5303.0, 5365.0, 5410.0, 5695.0, 5719.0, 5631.0, 5355.0, 5267.0, 5408.0, 5362.0, 5589.0, 5716.0, 5443.0, 5437.0, 5682.0, 5688.0, 5610.0, 5551.0, 5591.0, 5588.0, 5702.0, 5553.0, 5710.0, 5491.0, 5498.0, 5484.0, 5298.0, 5435.0, 5472.0, 5511.0, 5560.0, 5628.0, 5339.0, 5615.0, 5369.0, 5577.0, 5310.0, 5690.0, 5417.0, 5623.0, 5567.0, 5455.0, 5457.0, 5622.0, 5648.0, 5528.0, 5264.0, 5330.0, 5534.0, 5504.0, 5672.0, 5689.0, 5540.0, 5386.0, 5376.0, 5680.0, 5602.0, 5600.0, 5427.0, 5614.0, 5272.0, 5461.0, 5654.0, 5517.0, 5423.0, 5321.0, 5609.0, 5439.0 (number of hits: 1)
20	5280	9	1	333	1	5317.0, 5569.0, 5614.0, 5363.0, 5508.0, 5321.0, 5316.0, 5306.0, 5723.0, 5649.0, 5422.0, 5615.0, 5386.0, 5545.0, 5483.0, 5682.0, 5556.0, 5271.0, 5602.0, 5434.0, 5447.0, 5353.0, 5260.0, 5263.0, 5343.0, 5440.0, 5450.0, 5437.0, 5458.0, 5606.0, 5304.0, 5719.0, 5532.0, 5639.0, 5594.0, 5272.0, 5425.0, 5533.0, 5541.0, 5519.0,

						5626.0, 5651.0, 5537.0, 5700.0, 5477.0, 5710.0, 5713.0, 5335.0, 5586.0, 5264.0, 5478.0, 5441.0, 5515.0, 5349.0, 5258.0, 5698.0, 5549.0, 5448.0, 5313.0, 5395.0, 5488.0, 5428.0, 5296.0, 5487.0, 5361.0, 5584.0, 5696.0, 5347.0, 5294.0, 5631.0, 5490.0, 5495.0, 5512.0, 5507.0, 5459.0, 5288.0, 5612.0, 5400.0, 5278.0, 5443.0, 5633.0, 5518.0, 5293.0, 5415.0, 5638.0, 5486.0, 5627.0, 5645.0, 5538.0, 5466.0, 5314.0, 5476.0, 5307.0, 5511.0, 5299.0, 5497.0, 5534.0, 5384.0, 5592.0, 5646.0 (number of hits: 4)
21	5280	9	1	333	1	5360.0, 5419.0, 5379.0, 5275.0, 5337.0, 5383.0, 5432.0, 5359.0, 5547.0, 5268.0, 5644.0, 5640.0, 5412.0, 5529.0, 5683.0, 5512.0, 5672.0, 5324.0, 5517.0, 5271.0, 5499.0, 5606.0, 5629.0, 5366.0, 5621.0, 5593.0, 5647.0, 5710.0, 5312.0, 5620.0, 5302.0, 5392.0, 5444.0, 5686.0, 5595.0, 5306.0, 5665.0, 5395.0, 5280.0, 5466.0, 5491.0, 5542.0, 5558.0, 5355.0, 5420.0, 5693.0, 5331.0, 5385.0, 5532.0, 5435.0, 5259.0, 5654.0, 5363.0, 5370.0, 5327.0, 5601.0, 5482.0, 5564.0, 5493.0, 5694.0, 5609.0, 5407.0, 5290.0, 5299.0, 5511.0, 5618.0, 5323.0, 5426.0, 5453.0, 5552.0, 5469.0, 5661.0, 5545.0, 5641.0, 5255.0, 5718.0, 5471.0, 5610.0, 5261.0, 5344.0, 5431.0, 5619.0, 5318.0, 5295.0, 5637.0, 5528.0, 5571.0, 5308.0, 5311.0, 5576.0, 5264.0, 5305.0, 5454.0, 5367.0, 5403.0, 5251.0, 5625.0, 5429.0, 5456.0, 5675.0 (number of hits: 3)
22	5280	9	1	333	1	5294.0, 5554.0, 5263.0, 5474.0, 5706.0, 5722.0, 5717.0, 5696.0, 5594.0, 5261.0, 5634.0, 5254.0, 5693.0, 5605.0, 5498.0, 5713.0, 5704.0, 5291.0, 5464.0, 5522.0, 5550.0, 5469.0, 5618.0, 5455.0, 5523.0, 5501.0, 5319.0, 5460.0, 5680.0, 5494.0, 5476.0, 5332.0, 5511.0, 5277.0, 5709.0, 5349.0, 5303.0, 5656.0, 5527.0, 5300.0, 5683.0, 5650.0, 5510.0, 5702.0, 5692.0, 5354.0, 5667.0, 5360.0, 5563.0, 5710.0, 5477.0, 5260.0, 5520.0, 5465.0, 5302.0, 5380.0, 5458.0, 5312.0, 5547.0, 5505.0, 5592.0, 5613.0, 5629.0, 5457.0, 5273.0, 5353.0, 5276.0, 5574.0, 5616.0, 5682.0, 5646.0, 5480.0, 5429.0, 5383.0, 5632.0, 5512.0, 5301.0, 5283.0, 5297.0, 5285.0, 5416.0, 5351.0, 5497.0, 5411.0, 5578.0, 5468.0, 5602.0, 5327.0, 5556.0, 5543.0, 5493.0, 5334.0, 5622.0, 5604.0, 5573.0, 5519.0, 5338.0, 5428.0, 5504.0, 5552.0 (number of hits: 5)
23	5280	9	1	333	1	5685.0, 5310.0, 5614.0, 5354.0, 5324.0, 5413.0, 5675.0, 5359.0, 5613.0, 5376.0, 5391.0, 5471.0, 5644.0, 5594.0, 5525.0, 5377.0, 5462.0, 5299.0, 5372.0, 5548.0,

						5596.0, 5255.0, 5336.0, 5521.0, 5260.0, 5328.0, 5543.0, 5514.0, 5375.0, 5348.0, 5489.0, 5331.0, 5516.0, 5646.0, 5467.0, 5559.0, 5615.0, 5322.0, 5338.0, 5662.0, 5279.0, 5656.0, 5475.0, 5285.0, 5323.0, 5584.0, 5454.0, 5677.0, 5507.0, 5681.0, 5259.0, 5312.0, 5593.0, 5306.0, 5291.0, 5539.0, 5458.0, 5560.0, 5437.0, 5698.0, 5708.0, 5281.0, 5340.0, 5283.0, 5533.0, 5301.0, 5446.0, 5419.0, 5707.0, 5266.0, 5308.0, 5625.0, 5251.0, 5715.0, 5356.0, 5395.0, 5293.0, 5352.0, 5424.0, 5262.0, 5445.0, 5498.0, 5327.0, 5392.0, 5421.0, 5257.0, 5350.0, 5461.0, 5585.0, 5321.0, 5396.0, 5629.0, 5355.0, 5577.0, 5524.0, 5640.0, 5450.0, 5513.0, 5284.0, 5433.0 (number of hits: 5)
24	5280	9	1	333	1	5263.0, 5722.0, 5651.0, 5453.0, 5650.0, 5529.0, 5548.0, 5328.0, 5273.0, 5325.0, 5335.0, 5478.0, 5382.0, 5418.0, 5426.0, 5646.0, 5645.0, 5570.0, 5669.0, 5710.0, 5268.0, 5503.0, 5296.0, 5407.0, 5365.0, 5608.0, 5583.0, 5276.0, 5483.0, 5439.0, 5496.0, 5288.0, 5389.0, 5704.0, 5438.0, 5480.0, 5471.0, 5497.0, 5424.0, 5472.0, 5610.0, 5504.0, 5269.0, 5449.0, 5506.0, 5542.0, 5591.0, 5611.0, 5281.0, 5352.0, 5353.0, 5474.0, 5437.0, 5383.0, 5492.0, 5519.0, 5486.0, 5454.0, 5585.0, 5260.0, 5617.0, 5712.0, 5321.0, 5419.0, 5699.0, 5588.0, 5482.0, 5499.0, 5698.0, 5462.0, 5415.0, 5432.0, 5391.0, 5693.0, 5567.0, 5494.0, 5655.0, 5697.0, 5560.0, 5493.0, 5477.0, 5468.0, 5491.0, 5516.0, 5675.0, 5563.0, 5695.0, 5305.0, 5387.0, 5290.0, 5367.0, 5363.0, 5612.0, 5720.0, 5356.0, 5681.0, 5265.0, 5420.0, 5631.0, 5554.0 (number of hits: 4)
25	5280	9	1	333	1	5301.0, 5354.0, 5507.0, 5600.0, 5628.0, 5440.0, 5572.0, 5695.0, 5571.0, 5286.0, 5590.0, 5658.0, 5489.0, 5679.0, 5389.0, 5567.0, 5694.0, 5325.0, 5446.0, 5613.0, 5607.0, 5414.0, 5659.0, 5634.0, 5657.0, 5307.0, 5514.0, 5637.0, 5358.0, 5603.0, 5384.0, 5517.0, 5560.0, 5721.0, 5621.0, 5421.0, 5570.0, 5287.0, 5388.0, 5445.0, 5447.0, 5427.0, 5627.0, 5635.0, 5353.0, 5327.0, 5253.0, 5461.0, 5624.0, 5282.0, 5410.0, 5667.0, 5605.0, 5699.0, 5340.0, 5524.0, 5531.0, 5308.0, 5692.0, 5502.0, 5697.0, 5508.0, 5363.0, 5655.0, 5641.0, 5437.0, 5585.0, 5597.0, 5352.0, 5544.0, 5602.0, 5573.0, 5474.0, 5333.0, 5464.0, 5665.0, 5418.0, 5275.0, 5645.0, 5545.0, 5350.0, 5338.0, 5631.0, 5274.0, 5707.0, 5511.0, 5566.0, 5674.0, 5356.0, 5258.0, 5404.0, 5672.0, 5320.0, 5715.0, 5279.0, 5711.0, 5470.0, 5305.0, 5569.0, 5563.0 (number of hits: 6)

26	5280	9	1	333	1	5346.0, 5492.0, 5481.0, 5300.0, 5498.0, 5597.0, 5680.0, 5461.0, 5563.0, 5545.0, 5423.0, 5624.0, 5272.0, 5569.0, 5302.0, 5332.0, 5608.0, 5417.0, 5331.0, 5566.0, 5292.0, 5522.0, 5395.0, 5507.0, 5285.0, 5426.0, 5377.0, 5715.0, 5364.0, 5701.0, 5555.0, 5419.0, 5275.0, 5485.0, 5603.0, 5541.0, 5585.0, 5528.0, 5536.0, 5604.0, 5546.0, 5486.0, 5441.0, 5438.0, 5348.0, 5677.0, 5470.0, 5657.0, 5326.0, 5496.0, 5333.0, 5650.0, 5396.0, 5287.0, 5722.0, 5322.0, 5664.0, 5494.0, 5632.0, 5367.0, 5409.0, 5579.0, 5421.0, 5435.0, 5276.0, 5576.0, 5449.0, 5464.0, 5544.0, 5440.0, 5703.0, 5520.0, 5477.0, 5525.0, 5388.0, 5297.0, 5453.0, 5614.0, 5273.0, 5263.0, 5450.0, 5685.0, 5467.0, 5619.0, 5342.0, 5560.0, 5550.0, 5265.0, 5514.0, 5310.0, 5706.0, 5501.0, 5719.0, 5568.0, 5399.0, 5376.0, 5313.0, 5487.0, 5548.0, 5387.0 (number of hits: 6)
27	5280	9	1	333	1	5295.0, 5529.0, 5503.0, 5498.0, 5667.0, 5381.0, 5285.0, 5652.0, 5690.0, 5678.0, 5336.0, 5321.0, 5645.0, 5517.0, 5504.0, 5633.0, 5685.0, 5692.0, 5630.0, 5617.0, 5297.0, 5432.0, 5306.0, 5526.0, 5419.0, 5279.0, 5458.0, 5626.0, 5702.0, 5522.0, 5479.0, 5298.0, 5264.0, 5535.0, 5417.0, 5575.0, 5590.0, 5579.0, 5453.0, 5429.0, 5518.0, 5436.0, 5326.0, 5666.0, 5342.0, 5362.0, 5485.0, 5309.0, 5445.0, 5589.0, 5509.0, 5573.0, 5563.0, 5505.0, 5536.0, 5404.0, 5284.0, 5387.0, 5355.0, 5486.0, 5286.0, 5629.0, 5651.0, 5691.0, 5586.0, 5699.0, 5566.0, 5252.0, 5600.0, 5407.0, 5672.0, 5583.0, 5456.0, 5354.0, 5639.0, 5548.0, 5471.0, 5700.0, 5385.0, 5707.0, 5317.0, 5668.0, 5305.0, 5708.0, 5594.0, 5449.0, 5386.0, 5499.0, 5530.0, 5671.0, 5597.0, 5554.0, 5539.0, 5574.0, 5609.0, 5291.0, 5581.0, 5684.0, 5710.0, 5389.0 (number of hits: 4)
28	5280	9	1	333	1	5580.0, 5312.0, 5359.0, 5351.0, 5649.0, 5570.0, 5398.0, 5377.0, 5354.0, 5666.0, 5517.0, 5550.0, 5523.0, 5299.0, 5676.0, 5424.0, 5431.0, 5352.0, 5379.0, 5326.0, 5585.0, 5544.0, 5541.0, 5664.0, 5410.0, 5496.0, 5694.0, 5332.0, 5654.0, 5446.0, 5708.0, 5597.0, 5599.0, 5671.0, 5324.0, 5583.0, 5539.0, 5647.0, 5487.0, 5703.0, 5425.0, 5500.0, 5563.0, 5383.0, 5439.0, 5554.0, 5659.0, 5721.0, 5603.0, 5399.0, 5445.0, 5421.0, 5619.0, 5296.0, 5287.0, 5584.0, 5396.0, 5559.0, 5646.0, 5556.0, 5320.0, 5529.0, 5723.0, 5633.0, 5279.0, 5259.0, 5660.0, 5462.0, 5681.0, 5502.0, 5691.0, 5485.0, 5286.0, 5588.0, 5392.0, 5347.0, 5406.0, 5357.0, 5685.0, 5372.0, 5675.0, 5476.0, 5665.0, 5384.0, 5467.0,

						5526.0, 5594.0, 5542.0, 5516.0, 5263.0, 5598.0, 5613.0, 5565.0, 5301.0, 5322.0, 5415.0, 5525.0, 5361.0, 5668.0, 5697.0 (number of hits: 3)
29	5280	9	1	333	1	5476.0, 5320.0, 5464.0, 5499.0, 5543.0, 5317.0, 5721.0, 5296.0, 5392.0, 5475.0, 5429.0, 5419.0, 5346.0, 5644.0, 5520.0, 5325.0, 5537.0, 5655.0, 5383.0, 5547.0, 5487.0, 5467.0, 5681.0, 5355.0, 5576.0, 5669.0, 5649.0, 5311.0, 5643.0, 5703.0, 5424.0, 5306.0, 5415.0, 5577.0, 5267.0, 5486.0, 5525.0, 5308.0, 5369.0, 5496.0, 5291.0, 5546.0, 5312.0, 5281.0, 5532.0, 5713.0, 5473.0, 5485.0, 5460.0, 5657.0, 5514.0, 5254.0, 5509.0, 5413.0, 5682.0, 5263.0, 5446.0, 5494.0, 5580.0, 5707.0, 5625.0, 5398.0, 5324.0, 5569.0, 5328.0, 5445.0, 5527.0, 5298.0, 5420.0, 5512.0, 5403.0, 5724.0, 5607.0, 5633.0, 5612.0, 5340.0, 5353.0, 5286.0, 5718.0, 5259.0, 5571.0, 5699.0, 5439.0, 5513.0, 5528.0, 5626.0, 5497.0, 5609.0, 5685.0, 5361.0, 5545.0, 5653.0, 5344.0, 5470.0, 5702.0, 5583.0, 5457.0, 5632.0, 5680.0, 5357.0 (number of hits: 2)
30	5280	9	1	333	1	5618.0, 5600.0, 5518.0, 5354.0, 5609.0, 5486.0, 5432.0, 5616.0, 5376.0, 5698.0, 5446.0, 5681.0, 5644.0, 5476.0, 5678.0, 5355.0, 5331.0, 5573.0, 5633.0, 5639.0, 5319.0, 5471.0, 5642.0, 5371.0, 5608.0, 5437.0, 5449.0, 5496.0, 5562.0, 5543.0, 5411.0, 5602.0, 5535.0, 5431.0, 5494.0, 5654.0, 5295.0, 5271.0, 5307.0, 5625.0, 5487.0, 5291.0, 5264.0, 5694.0, 5610.0, 5706.0, 5498.0, 5440.0, 5292.0, 5528.0, 5390.0, 5347.0, 5293.0, 5675.0, 5442.0, 5709.0, 5692.0, 5378.0, 5701.0, 5311.0, 5545.0, 5312.0, 5279.0, 5521.0, 5690.0, 5472.0, 5380.0, 5509.0, 5513.0, 5333.0, 5541.0, 5470.0, 5665.0, 5551.0, 5571.0, 5255.0, 5269.0, 5316.0, 5558.0, 5634.0, 5611.0, 5250.0, 5505.0, 5624.0, 5402.0, 5580.0, 5544.0, 5435.0, 5683.0, 5273.0, 5508.0, 5458.0, 5336.0, 5460.0, 5667.0, 5637.0, 5288.0, 5352.0, 5329.0, 5570.0 (number of hits: 4)

5270 MHz, 40 MHz Bandwidth

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

Please refer to the following statistical tables:

5270 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	57	1	938	1
2	5270	67	1	798	1
3	5270	89	1	598	1
4	5270	81	1	658	1
5	5270	68	1	778	1
6	5270	102	1	518	1
7	5270	86	1	618	1
8	5270	72	1	738	1
9	5270	65	1	818	1
10	5270	62	1	858	1
11	5270	18	1	3066	1
12	5270	83	1	638	1
13	5270	99	1	538	1
14	5270	70	1	758	1
15	5270	63	1	838	1
16	5270	19	1	2849	1
17	5270	20	1	2752	1
18	5270	19	1	2804	1
19	5270	42	1	1276	1
20	5270	19	1	2888	1
21	5270	24	1	2213	1
22	5270	87	1	613	1
23	5270	20	1	2771	1
24	5270	21	1	2566	1
25	5270	26	1	2053	1
26	5270	25	1	2199	1
27	5270	23	1	2398	1
28	5270	46	1	1171	1
29	5270	80	1	663	1
30	5270	19	1	2800	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	27	1.3	204	1
2	5270	24	3	174	1
3	5270	24	4.4	154	1
4	5270	26	2.1	209	1
5	5270	27	4.8	187	1
6	5270	24	4.7	162	1
7	5270	25	4.2	221	1
8	5270	24	1.1	152	1
9	5270	24	2.3	166	1
10	5270	23	4.1	159	1
11	5270	25	4	205	1
12	5270	29	1.5	184	1
13	5270	23	3.6	199	1
14	5270	27	1.1	155	1
15	5270	28	2	203	1
16	5270	27	4.8	226	1
17	5270	25	3.8	175	1
18	5270	23	4.9	165	1
19	5270	28	2.2	181	1
20	5270	24	4.9	155	1
21	5270	25	2.9	183	1
22	5270	25	1.2	212	1
23	5270	29	1.4	213	1
24	5270	26	4.2	189	1
25	5270	24	1	158	1
26	5270	28	1.8	207	1
27	5270	28	2.8	150	1
28	5270	26	1.7	180	1
29	5270	24	1	151	1
30	5270	27	3.9	156	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	17	10	270	1
2	5270	18	6	420	1
3	5270	18	8.6	359	1
4	5270	16	8.7	456	1
5	5270	18	9.9	473	1
6	5270	17	8.7	395	1
7	5270	17	9.4	363	1
8	5270	16	7.4	377	1
9	5270	16	7.1	402	1
10	5270	17	6.7	491	1
11	5270	16	8.6	310	1
12	5270	17	9.4	408	1
13	5270	17	6.9	416	1
14	5270	16	8.4	259	1
15	5270	16	7.7	401	1
16	5270	16	9.8	344	1
17	5270	16	9.4	480	1
18	5270	18	9.8	389	1
19	5270	16	10	444	1
20	5270	18	7.1	346	1
21	5270	18	6.8	294	1
22	5270	18	8.2	325	1
23	5270	16	8.4	485	1
24	5270	16	8.3	323	1
25	5270	17	9.6	353	1
26	5270	16	7.5	498	1
27	5270	17	6.5	254	1
28	5270	16	7.1	483	1
29	5270	18	7.2	261	1
30	5270	17	8.4	322	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	15	19.6	350	1
2	5270	13	19.1	247	1
3	5270	14	18.9	476	1
4	5270	15	15.4	445	1
5	5270	14	12.4	468	1
6	5270	16	13.5	269	1
7	5270	12	15	444	1
8	5270	13	11.7	295	1
9	5270	15	11.6	224	1
10	5270	15	15.5	360	1
11	5270	13	17.7	311	1
12	5270	16	11.8	442	1
13	5270	16	16.2	342	1
14	5270	13	14	484	1
15	5270	16	11.2	392	1
16	5270	13	14.8	376	1
17	5270	12	11.2	380	1
18	5270	13	14	338	1
19	5270	16	19.6	227	1
20	5270	12	15.3	309	1
21	5270	13	18.9	434	1
22	5270	15	15.7	466	1
23	5270	16	18.8	402	1
24	5270	15	11	416	1
25	5270	12	17.6	292	1
26	5270	14	16.3	301	1
27	5270	16	16.4	207	1
28	5270	15	18.3	422	1
29	5270	12	15.5	311	1
30	5270	12	18.7	223	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5270	1
2	5270	1
3	5270	1
4	5270	1
5	5270	1
6	5270	1
7	5270	1
8	5270	1
9	5270	1
10	5270	1
11	5265.8	1
12	5265.8	0
13	5266.2	1
14	5263.4	1
15	5268.6	1
16	5263.4	1
17	5263.4	1
18	5264.2	0
19	5264.2	1
20	5264.6	1
21	5275	1
22	5275.4	1
23	5277	1
24	5274.6	0
25	5275	1
26	5276.6	1
27	5277	1
28	5272.2	1
29	5275.8	1
30	5274.6	1
Detection Percentage: 90 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	88.7	1260	1730	0.36439	
1	2	14	57.7	1107		1.831128	
2	2	14	82	1139		2.664043	
3	2	14	68.1	1683		3.625864	
4	2	14	99.4	1936		3.703514	
5	1	14	95			4.638483	
6	1	14	71.8			6.443814	1
7	2	14	76.6	1172		6.990665	
8	3	14	66	1374	1306	7.439557	
9	3	14	80	1057	1921	9.085133	
10	2	14	61.7	1446		10.111407	
11	3	14	91.1	1571	1039	10.745637	
12	2	14	57.4	1831		11.191802	

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	14	52.7	1319		0.15458	
1	2	14	97.5	1879		2.655811	
2	2	14	65.8	1122		2.72412	
3	3	14	75.3	1694	1178	5.180793	
4	2	14	98.3	1685		6.096516	1
5	3	14	68.5	1302	1526	7.298477	
6	3	14	66.8	1502	1552	8.606955	
7	2	14	60	1881		9.909335	
8	2	14	67.1	1585		10.687376	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	65.4	1269		0.160033	
1	2	10	54.8	1095		1.237255	
2	2	10	82	1828		2.036698	
3	1	10	97.9			2.78555	
4	2	10	55.5	1130		2.978919	
5	1	10	65.3			3.765685	
6	1	10	99.7			4.930608	
7	3	10	66.6	1703	1930	5.411789	
8	1	10	87.7			6.059048	1
9	1	10	86.4			6.786109	
10	2	10	72.6	1063		7.724506	
11	1	10	75.7			8.172708	
12	1	10	69.4			8.803229	
13	3	10	83.2	1783	1549	9.847421	
14	2	10	91.6	1260		9.996725	
15	1	10	92.1			10.888464	
16	1	10	79			11.399701	

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	55.4	1554		0.402072	
1	3	8	57.7	1874	1648	1.32291	
2	2	8	80.1	1641		1.959567	
3	2	8	95.1	1377		2.191096	
4	2	8	91.1	1154		3.18873	
5	2	8	91.4	1873		4.215976	
6	2	8	67.2	1983		4.358517	
7	3	8	85.2	1811	1915	5.40282	
8	3	8	69.9	1435	1682	6.282487	1
9	3	8	85.5	1694	1606	7.042517	
10	2	8	74.6	1890		7.073507	
11	2	8	61.6	1144		8.295693	
12	2	8	97	1228		8.531932	
13	3	8	56.5	1575	1584	9.562302	
14	3	8	86.8	1701	1541	10.36119	
15	3	8	60.1	1110	1218	10.633789	
16	2	8	83.8	1087		11.861321	

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	12	54.4	1674		0.089808	
1	3	12	90.4	1332	1635	1.067944	
2	3	12	91.4	1987	1270	2.623012	
3	1	12	84.8			2.956169	
4	1	12	87.1			4.356503	
5	1	12	97.8			5.325018	
6	3	12	98.2	1296	1214	6.406393	1
7	2	12	69	1618		7.377251	
8	1	12	93.6			8.259926	
9	2	12	61	1590		8.678546	
10	2	12	74.9	1860		9.673055	
11	2	12	59.8	1238		11.069316	
12	1	12	74.2			11.827207	

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	13	88.1			0.275868	
1	2	13	80.3	1508		1.08257	
2	3	13	62.7	1471	1557	2.344346	
3	3	13	66.5	1664	1028	3.165521	
4	2	13	84.3	1348		3.745143	
5	2	13	53.6	1743		4.481861	
6	1	13	97.1			5.711013	
7	3	13	55.3	1148	1350	6.523034	1
8	1	13	83.3			7.639512	
9	3	13	51	1308	1650	7.957776	
10	3	13	83	1024	1761	8.78924	
11	1	13	85.7			10.170142	
12	2	13	71.7	1190		11.014873	
13	2	13	92.2	1394		11.436788	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	67.5	1217	1521	0.409492	1
1	2	7	69.5	1222		0.712418	
2	1	7	73.8			1.444399	
3	2	7	58	1053		2.042165	
4	1	7	68.5			2.7679	
5	2	7	95.6	1965		3.38759	
6	1	7	53.9			4.247941	
7	1	7	86.7			4.560599	
8	1	7	56.4			5.582661	
9	2	7	73.3	1629		5.7425	
10	2	7	53.8	1286		6.899705	
11	2	7	73.4	1772		6.996817	
12	1	7	56.2			7.907095	
13	3	7	86.3	1379	1056	8.295041	
14	3	7	63.2	1929	1689	9.362617	
15	2	7	81.4	1735		9.828201	
16	2	7	64.3	1966		10.592313	
17	2	7	53.3	1394		10.951732	
18	2	7	65.7	1057		11.565621	

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	10	76.1	1641		0.887556	1
1	1	10	77			1.556915	
2	3	10	77.4	1951	1487	2.377392	
3	1	10	71.3			3.941376	
4	3	10	66.4	1206	1528	5.364781	
5	3	10	86.6	1130	1666	6.365462	
6	2	10	73.4	1845		7.19412	
7	1	10	72.6			7.680913	
8	2	10	72.7	1424		9.527057	
9	1	10	96.2			10.52392	
10	2	10	80.4	1788		11.915716	

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	9	97.1	1263		0.212905	
1	1	9	64			0.887449	
2	2	9	98.6	1837		2.331706	
3	3	9	62.8	1378	1717	2.913215	
4	3	9	98.3	1893	1487	3.919134	
5	1	9	94.6			4.640681	
6	3	9	72.4	1408	1168	5.407136	
7	3	9	66.3	1098	1167	6.151339	1
8	3	9	55.5	1678	1464	6.508247	
9	1	9	53.1			7.474191	
10	3	9	86.9	1000	1875	8.078093	
11	2	9	79.9	1823		8.963785	
12	3	9	93.6	1020	1773	9.666159	
13	1	9	71.9			10.680581	
14	2	9	55.2	1427		11.612163	

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	6	70.2	1517	1979	1.009432	
1	1	6	75			1.8596	
2	2	6	94.5	1505		3.001547	
3	2	6	89.5	1493		4.045846	
4	2	6	99.4	1695		4.762711	
5	1	6	78.8			6.086337	1
6	2	6	51.3	1565		7.128268	
7	2	6	61.8	1709		8.236172	
8	2	6	64.8	1117		9.006874	
9	2	6	57.7	1517		9.928222	
10	1	6	54.4			11.078852	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	93.2	1327	1791	0.648722	
1	3	12	68.7	1385	1791	1.240516	
2	2	12	86.5	1016		1.414615	
3	2	12	68	1415		2.114159	
4	1	12	90.5			2.720541	
5	3	12	64.2	1195	1008	3.977022	
6	1	12	67.4			4.282392	
7	3	12	94.7	1271	1857	5.111412	
8	1	12	86.2			5.338034	
9	2	12	73.2	1509		6.53857	1
10	3	12	95.4	1290	1067	7.261579	
11	2	12	58	1628		7.67989	
12	1	12	90.3			8.641735	
13	2	12	50.1	1903		9.027609	
14	2	12	73.1	1740		9.521186	
15	1	12	88.9			10.484354	
16	1	12	87.5			11.187892	
17	3	12	85.9	1771	1381	11.580683	

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	12	60.6	1078		0.357497	
1	2	12	99	1577		1.318421	
2	2	12	57.1	1166		2.192615	
3	1	12	94			2.440588	
4	3	12	87.9	1723	1388	3.739933	
5	2	12	88.7	1992		4.203448	
6	2	12	74.5	1063		5.11655	
7	1	12	56.6			5.614486	
8	2	12	57.8	1596		6.487214	0
9	2	12	52.7	1569		6.913004	
10	1	12	62.9			8.190893	
11	2	12	52.5	1251		8.843466	
12	2	12	63.1	1560		9.731027	
13	2	12	54.1	1030		10.476334	
14	3	12	62.7	1700	1869	11.092111	
15	1	12	91.8			11.700464	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	79	1505		0.088609	
1	3	13	79.7	1153	1528	1.292643	
2	2	13	89	1057		3.143926	
3	1	13	83.1			4.008987	
4	2	13	72.7	1470		4.873401	
5	1	13	53.5			7.134252	1
6	3	13	86.3	1289	1026	8.269412	
7	3	13	61.5	1097	1429	9.244458	
8	1	13	89.8			9.709282	
9	2	13	69.2	1567		11.228312	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	96.1			0.016051	
1	2	6	55.9	1605		0.810828	
2	3	6	71.5	1170	1127	1.461564	
3	1	6	88.9			1.9117	
4	1	6	97.5			2.85269	
5	2	6	78.2	1240		3.452777	
6	1	6	96.5			4.315501	
7	2	6	59.3	1947		4.989195	
8	3	6	74.5	1944	1274	5.118763	
9	2	6	55.4	1302		6.063326	1
10	2	6	50.9	1777		6.597814	
11	2	6	53.1	1592		7.448294	
12	3	6	97.9	1349	1764	7.670071	
13	1	6	70.3			8.303864	
14	3	6	81.7	1812	1065	8.875849	
15	1	6	74.2			9.612169	
16	2	6	97.5	1058		10.318808	
17	1	6	66.9			11.015843	
18	2	6	69.9	1976		11.397819	

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	92.4	1798		0.244008	
1	2	19	66.7	1256		1.79217	
2	3	19	70.5	1222	1560	2.717884	
3	1	19	63.1			3.61825	
4	1	19	60.4			4.961922	
5	2	19	61.4	1563		5.410514	
6	2	19	63.4	1698		6.871218	1
7	3	19	84.9	1517	1341	7.464337	
8	1	19	73.3			8.55909	
9	1	19	91.1			9.139901	
10	2	19	64.4	1332		10.817692	
11	2	19	89.2	1119		11.0028	

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	6	77	1372		0.500541	
1	2	6	77.6	1344		1.383847	
2	2	6	97	1533		2.57346	
3	2	6	68.3	1765		3.509574	
4	2	6	98.3	1763		4.560361	
5	2	6	60.1	1597		5.032146	
6	2	6	73.5	1850		6.383013	1
7	3	6	63	1792	1382	6.883988	
8	2	6	90.6	1703		8.174306	
9	2	6	98.8	1062		8.634611	
10	2	6	87.6	1076		9.627292	
11	1	6	53.2			10.547124	
12	2	6	64.7	1058		11.618638	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	82.1	1665		0.461895	
1	1	6	55.7			1.139837	
2	2	6	94.4	1440		1.350063	
3	2	6	81.1	1917		2.581257	
4	2	6	79.6	1355		3.078848	
5	1	6	87.4			3.5802	
6	3	6	68.8	1081	1625	4.204865	
7	1	6	55.1			5.164269	
8	3	6	65.9	1028	1347	5.842028	1
9	2	6	97.5	1927		6.375012	
10	3	6	51.5	1506	1245	6.895595	
11	1	6	97.4			7.953966	
12	2	6	69.7	1811		8.122843	
13	1	6	61.9			9.203744	
14	2	6	76.2	1804		9.901308	
15	1	6	52.7			10.435486	
16	1	6	74			11.226472	
17	2	6	71.3	1700		11.869209	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	50.4	1411		0.429642	
1	3	8	81.1	1900	1363	0.82885	
2	2	8	70.2	1453		1.882221	
3	3	8	96.2	1324	1397	2.304305	
4	3	8	74.9	1344	1888	2.648922	
5	2	8	69.9	1798		3.541916	
6	2	8	63.6	1925		4.291175	
7	1	8	98.9			5.003053	
8	2	8	85.8	1448		5.429517	
9	1	8	92.3			5.690291	0
10	2	8	56.6	1302		6.494705	
11	2	8	90.6	1038		7.109299	
12	1	8	86.9			7.723328	
13	1	8	70.8			8.759168	
14	3	8	81.1	1859	1746	8.983012	
15	2	8	75.7	1284		9.531976	
16	3	8	61.9	1331	1463	10.173971	
17	1	8	57.7			11.206993	
18	2	8	58.7	1692		11.596878	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	52.5	1303		0.307671	
1	2	8	65.9	1412		1.517234	
2	3	8	94.9	1999	1750	1.903193	
3	1	8	54.7			2.928664	
4	1	8	55.5			3.693313	
5	2	8	67.5	1133		4.954987	
6	3	8	70.9	1505	1471	5.724671	
7	3	8	79.7	1373	1613	6.466816	1
8	1	8	68.5			6.989111	
9	3	8	63.5	1821	1632	8.026656	
10	3	8	92.8	1925	1058	9.189771	
11	3	8	75.2	1865	1334	9.848729	
12	2	8	94.4	1533		10.634544	
13	3	8	66.8	1343	1628	11.143436	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	66.7	1268		0.154493	
1	2	9	51.7	1451		1.170389	
2	3	9	51.6	1048	1565	2.08584	
3	3	9	78.5	1062	1308	3.762157	
4	3	9	65.8	1274	1515	4.638805	
5	2	9	74.5	1062		5.292469	
6	1	9	52.7			6.038854	1
7	1	9	60.9			7.604905	
8	2	9	60.1	1250		8.24313	
9	1	9	98.1			9.20506	
10	1	9	52.7			10.809267	
11	2	9	95.7	1903		11.182435	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	98.8			0.298328	
1	3	10	50.8	1931	1390	1.204135	
2	1	10	97.4			3.58436	
3	2	10	88.4	1202		4.143162	
4	3	10	91.7	1705	1542	5.84021	
5	2	10	69.3	1312		6.74836	1
6	1	10	88.7			7.92547	
7	3	10	65.5	1928	1586	9.401618	
8	1	10	55.4			10.74398	
9	2	10	97.4	1331		10.828656	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	51.7	1152		0.566582	
1	2	9	59.7	1259		1.120596	
2	2	9	99.3	1788		2.354419	
3	2	9	54	1791		2.557851	
4	1	9	63.3			3.860385	
5	3	9	51.6	1797	1517	4.147714	
6	1	9	63.7			4.821569	
7	3	9	81.7	1694	1788	5.90171	1
8	2	9	80.5	1606		7.166208	
9	1	9	86.9			7.284029	
10	2	9	98.5	1207		8.207003	
11	1	9	87.5			8.868097	
12	2	9	71	1710		9.815542	
13	3	9	78.9	1228	1560	10.65852	
14	1	9	91.8			11.351697	

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	5	59.1	1672		0.725358	
1	2	5	84.8	1383		1.830655	
2	2	5	78.7	1776		3.19156	
3	2	5	69.7	1919		4.128592	
4	2	5	66	1738		6.310256	1
5	2	5	68	1422		7.826779	
6	2	5	55.1	1630		9.023068	
7	2	5	62.5	1738		9.647494	
8	1	5	50.8			11.330985	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	75.1	1540		0.033566	
1	2	11	73.9	1011		1.166519	
2	2	11	98.9	1047		1.453326	
3	3	11	62.5	1666	1136	2.111283	
4	2	11	74.9	1180		3.261575	
5	2	11	50.8	1532		3.417182	
6	1	11	73.4			4.30872	
7	2	11	89.7	1582		5.261529	
8	2	11	59.7	1844		5.530472	
9	2	11	92.3	1929		6.209497	1
10	1	11	84.7			7.046621	
11	1	11	62.5			7.496909	
12	3	11	66	1743	1972	8.07842	
13	3	11	59.2	1480	1753	8.866742	
14	2	11	87	1567		9.792729	
15	1	11	87.1			10.511957	
16	1	11	85.1			10.96781	
17	2	11	70.1	1073		11.611048	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	65.1	1631		0.517084	
1	3	10	88.1	1912	1034	0.766584	
2	1	10	90.4			1.516525	
3	2	10	74.3	1915		2.372667	
4	1	10	94.6			3.535115	
5	2	10	56.3	1824		4.12987	
6	1	10	56.1			4.729497	
7	3	10	93.6	1905	1455	5.839522	1
8	1	10	56			6.556098	
9	2	10	70.8	1275		7.236094	
10	1	10	65.6			7.682428	
11	2	10	89.3	1158		8.694976	
12	2	10	67.9	1383		9.460444	
13	1	10	78			9.785516	
14	2	10	72.9	1247		10.64693	
15	2	10	82.8	1284		11.421992	

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	6	90.7	1114		0.828613	
1	1	6	65.6			1.50331	
2	3	6	51	1776	1430	2.040329	
3	2	6	76.7	1501		2.578915	
4	2	6	78.7	1847		3.966318	
5	2	6	95.2	1946		4.476043	
6	1	6	85.7			5.473286	1
7	3	6	50.1	1596	1034	6.295954	
8	3	6	70	1915	1509	7.441037	
9	1	6	78.2			8.511664	
10	1	6	76.7			8.860182	
11	2	6	73.6	1255		10.116733	
12	1	6	59.9			10.585233	
13	2	6	91.5	1339		11.840466	

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	5	98.1	1469		0.964709	
1	2	5	94.4	1162		2.266758	
2	1	5	66.6			3.190248	
3	3	5	70.6	1326	1545	4.084266	
4	1	5	99.6			5.453895	
5	1	5	98			6.018564	1
6	2	5	92.4	1791		8.105368	
7	2	5	81.7	1261		9.512656	
8	2	5	75.7	1846		10.250213	
9	2	5	59.2	1789		11.251145	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	70.6	1661		0.613402	
1	1	17	72.4			0.960684	
2	3	17	75.5	1145	1022	2.035459	
3	2	17	83.5	1196		2.253407	
4	2	17	86.8	1938		3.433785	
5	3	17	98.3	1432	1149	4.041467	
6	2	17	83	1480		4.868729	
7	1	17	66.4			5.253262	
8	1	17	89.5			5.820693	1
9	2	17	81.8	1708		6.748083	
10	3	17	54.1	1958	1206	7.38495	
11	3	17	52.8	1270	1831	8.103478	
12	3	17	63.8	1858	1029	8.862613	
13	3	17	99.5	1498	1992	9.44973	
14	2	17	90.5	1155		10.500812	
15	1	17	71.7			10.934987	
16	2	17	75.3	1346		11.989576	

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	8	57.9	1354		0.594837	
1	3	8	97.2	1446	1158	1.653971	
2	2	8	88.5	1589		1.913998	
3	2	8	67.2	1270		3.194388	
4	3	8	94.4	1696	1754	4.035352	
5	2	8	80.2	1614		4.895637	
6	2	8	58.3	1523		5.741682	
7	2	8	57.7	1027		6.620688	1
8	2	8	67.5	1068		7.60169	
9	2	8	59.1	1822		8.012852	
10	1	8	61.8			9.108424	
11	3	8	91.8	1000	1502	10.017131	
12	2	8	69.3	1260		10.408503	
13	3	8	82.2	1405	1210	11.910245	

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	11	90.5	1266	1245	1.13665	
1	2	11	95.5	1461		1.363652	
2	2	11	59.1	1896		2.644507	
3	1	11	92.8			4.552058	
4	3	11	90.8	1482	1505	5.895743	1
5	2	11	52.6	1001		6.601848	
6	1	11	98.4			8.264461	
7	2	11	79.3	1472		9.081764	
8	2	11	84.7	1088		10.322989	
9	3	11	94.3	1329	1501	11.437766	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5270	9	1	333	1	5336.0, 5396.0, 5717.0, 5264.0, 5566.0, 5626.0, 5346.0, 5488.0, 5258.0, 5676.0, 5359.0, 5704.0, 5586.0, 5275.0, 5374.0, 5493.0, 5412.0, 5348.0, 5688.0, 5638.0, 5706.0, 5428.0, 5540.0, 5345.0, 5360.0, 5337.0, 5364.0, 5671.0, 5420.0, 5483.0, 5325.0, 5600.0, 5672.0, 5363.0, 5269.0, 5384.0, 5643.0, 5279.0, 5378.0, 5668.0, 5584.0, 5700.0, 5490.0, 5602.0, 5530.0, 5385.0, 5640.0, 5471.0, 5572.0, 5617.0, 5440.0, 5697.0, 5651.0, 5489.0, 5673.0, 5535.0, 5303.0, 5419.0, 5648.0, 5666.0, 5406.0, 5527.0, 5313.0, 5695.0, 5282.0, 5659.0, 5332.0, 5487.0, 5699.0, 5351.0, 5312.0, 5552.0, 5252.0, 5662.0, 5692.0, 5298.0, 5342.0, 5628.0, 5718.0, 5496.0, 5675.0, 5437.0, 5632.0, 5601.0, 5286.0, 5328.0, 5687.0, 5317.0, 5519.0, 5334.0, 5508.0, 5451.0, 5251.0, 5494.0, 5482.0, 5509.0, 5576.0, 5606.0, 5664.0, 5652.0 (number of hits: 9)
2	5270	9	1	333	1	5596.0, 5326.0, 5580.0, 5453.0, 5547.0, 5264.0, 5476.0, 5281.0, 5589.0, 5468.0, 5495.0, 5375.0, 5591.0, 5458.0, 5447.0, 5424.0, 5636.0, 5272.0, 5289.0, 5392.0, 5382.0, 5307.0, 5463.0, 5440.0, 5588.0, 5680.0, 5499.0, 5654.0, 5475.0, 5489.0, 5647.0, 5376.0, 5442.0, 5646.0, 5409.0, 5275.0, 5567.0, 5648.0, 5631.0, 5316.0, 5570.0, 5260.0, 5324.0, 5373.0, 5336.0, 5252.0, 5724.0, 5261.0, 5620.0, 5561.0, 5357.0, 5677.0, 5350.0, 5448.0, 5445.0, 5390.0, 5331.0, 5710.0, 5399.0, 5335.0, 5712.0, 5270.0, 5459.0, 5565.0, 5496.0, 5662.0, 5464.0, 5358.0, 5627.0, 5554.0, 5254.0, 5557.0, 5502.0, 5283.0, 5642.0, 5323.0, 5649.0, 5310.0, 5650.0, 5303.0, 5481.0, 5308.0, 5306.0, 5492.0, 5429.0, 5621.0, 5406.0, 5345.0, 5483.0, 5528.0, 5634.0, 5675.0, 5615.0, 5355.0, 5533.0, 5515.0, 5436.0, 5478.0, 5585.0, 5527.0 (number of hits: 11)
3	5270	9	1	333	1	5367.0, 5687.0, 5664.0, 5708.0, 5608.0, 5698.0, 5413.0, 5575.0, 5499.0, 5614.0, 5537.0, 5445.0, 5629.0, 5257.0, 5541.0, 5632.0, 5609.0, 5260.0, 5631.0, 5568.0, 5551.0, 5320.0, 5542.0, 5404.0, 5287.0, 5513.0, 5563.0, 5577.0, 5326.0, 5583.0, 5421.0, 5540.0, 5586.0, 5368.0, 5356.0, 5620.0, 5613.0, 5597.0, 5521.0, 5345.0, 5624.0, 5595.0, 5380.0, 5504.0, 5342.0, 5653.0, 5549.0, 5425.0, 5602.0, 5303.0, 5627.0, 5417.0, 5315.0, 5581.0, 5419.0,

						5688.0, 5452.0, 5453.0, 5616.0, 5528.0, 5637.0, 5461.0, 5584.0, 5562.0, 5547.0, 5674.0, 5630.0, 5409.0, 5286.0, 5678.0, 5450.0, 5709.0, 5308.0, 5414.0, 5700.0, 5411.0, 5590.0, 5293.0, 5573.0, 5369.0, 5509.0, 5658.0, 5395.0, 5355.0, 5591.0, 5255.0, 5296.0, 5604.0, 5667.0, 5333.0, 5341.0, 5388.0, 5290.0, 5463.0, 5298.0, 5534.0, 5384.0, 5498.0, 5258.0, 5294.0 (number of hits: 6)
4	5270	9	1	333	1	5472.0, 5330.0, 5506.0, 5498.0, 5331.0, 5674.0, 5403.0, 5724.0, 5553.0, 5431.0, 5675.0, 5711.0, 5333.0, 5418.0, 5361.0, 5402.0, 5283.0, 5721.0, 5392.0, 5408.0, 5634.0, 5371.0, 5546.0, 5639.0, 5346.0, 5391.0, 5260.0, 5487.0, 5281.0, 5278.0, 5466.0, 5709.0, 5631.0, 5425.0, 5532.0, 5359.0, 5379.0, 5597.0, 5428.0, 5561.0, 5540.0, 5680.0, 5381.0, 5495.0, 5694.0, 5528.0, 5338.0, 5707.0, 5441.0, 5581.0, 5312.0, 5386.0, 5589.0, 5656.0, 5445.0, 5313.0, 5632.0, 5277.0, 5489.0, 5343.0, 5451.0, 5618.0, 5302.0, 5429.0, 5633.0, 5573.0, 5499.0, 5272.0, 5432.0, 5265.0, 5623.0, 5299.0, 5640.0, 5512.0, 5468.0, 5591.0, 5268.0, 5688.0, 5635.0, 5720.0, 5327.0, 5556.0, 5571.0, 5372.0, 5376.0, 5251.0, 5582.0, 5531.0, 5452.0, 5550.0, 5502.0, 5510.0, 5513.0, 5663.0, 5378.0, 5578.0, 5538.0, 5602.0, 5713.0, 5340.0 (number of hits: 9)
5	5270	9	1	333	1	5479.0, 5684.0, 5457.0, 5417.0, 5697.0, 5674.0, 5675.0, 5303.0, 5528.0, 5443.0, 5273.0, 5403.0, 5512.0, 5474.0, 5543.0, 5519.0, 5633.0, 5706.0, 5366.0, 5445.0, 5338.0, 5705.0, 5348.0, 5634.0, 5436.0, 5409.0, 5579.0, 5582.0, 5707.0, 5641.0, 5335.0, 5418.0, 5427.0, 5379.0, 5507.0, 5341.0, 5649.0, 5282.0, 5388.0, 5679.0, 5659.0, 5592.0, 5426.0, 5261.0, 5304.0, 5284.0, 5410.0, 5307.0, 5709.0, 5439.0, 5446.0, 5626.0, 5325.0, 5451.0, 5545.0, 5635.0, 5275.0, 5316.0, 5454.0, 5481.0, 5384.0, 5302.0, 5407.0, 5298.0, 5465.0, 5472.0, 5546.0, 5714.0, 5252.0, 5681.0, 5513.0, 5651.0, 5585.0, 5423.0, 5601.0, 5625.0, 5666.0, 5453.0, 5470.0, 5516.0, 5632.0, 5383.0, 5330.0, 5328.0, 5471.0, 5636.0, 5469.0, 5503.0, 5647.0, 5349.0, 5285.0, 5572.0, 5272.0, 5350.0, 5515.0, 5591.0, 5589.0, 5671.0, 5395.0, 5506.0 (number of hits: 8)
6	5270	9	1	333	1	5266.0, 5270.0, 5587.0, 5454.0, 5671.0, 5682.0, 5648.0, 5522.0, 5257.0, 5711.0, 5513.0, 5404.0, 5332.0, 5327.0, 5444.0, 5298.0, 5661.0, 5334.0, 5532.0, 5278.0, 5700.0, 5704.0, 5311.0, 5276.0, 5457.0, 5255.0, 5409.0, 5630.0, 5272.0, 5678.0, 5649.0, 5361.0, 5363.0, 5502.0, 5360.0,

						5299.0, 5445.0, 5304.0, 5333.0, 5723.0, 5573.0, 5338.0, 5433.0, 5515.0, 5715.0, 5608.0, 5623.0, 5659.0, 5566.0, 5607.0, 5400.0, 5355.0, 5651.0, 5635.0, 5314.0, 5396.0, 5639.0, 5285.0, 5554.0, 5387.0, 5491.0, 5301.0, 5405.0, 5568.0, 5494.0, 5474.0, 5538.0, 5392.0, 5721.0, 5504.0, 5722.0, 5340.0, 5424.0, 5277.0, 5493.0, 5436.0, 5413.0, 5475.0, 5473.0, 5280.0, 5666.0, 5259.0, 5369.0, 5258.0, 5620.0, 5699.0, 5590.0, 5367.0, 5291.0, 5412.0, 5531.0, 5621.0, 5558.0, 5562.0, 5507.0, 5416.0, 5544.0, 5697.0, 5401.0, 5465.0 (number of hits: 12)
7	5270	9	1	333	1	5589.0, 5320.0, 5588.0, 5274.0, 5527.0, 5445.0, 5572.0, 5702.0, 5615.0, 5526.0, 5277.0, 5596.0, 5383.0, 5594.0, 5657.0, 5710.0, 5555.0, 5675.0, 5374.0, 5469.0, 5499.0, 5685.0, 5258.0, 5538.0, 5410.0, 5255.0, 5431.0, 5316.0, 5501.0, 5273.0, 5514.0, 5403.0, 5699.0, 5575.0, 5407.0, 5310.0, 5413.0, 5432.0, 5568.0, 5719.0, 5343.0, 5667.0, 5443.0, 5275.0, 5300.0, 5394.0, 5378.0, 5454.0, 5371.0, 5666.0, 5328.0, 5338.0, 5502.0, 5420.0, 5718.0, 5304.0, 5646.0, 5532.0, 5641.0, 5531.0, 5262.0, 5688.0, 5523.0, 5692.0, 5364.0, 5474.0, 5632.0, 5368.0, 5341.0, 5475.0, 5267.0, 5625.0, 5256.0, 5361.0, 5521.0, 5529.0, 5439.0, 5442.0, 5610.0, 5307.0, 5654.0, 5724.0, 5321.0, 5524.0, 5462.0, 5576.0, 5254.0, 5650.0, 5563.0, 5388.0, 5533.0, 5263.0, 5441.0, 5612.0, 5485.0, 5433.0, 5484.0, 5660.0, 5577.0, 5330.0 (number of hits: 11)
8	5270	9	1	333	1	5354.0, 5454.0, 5571.0, 5480.0, 5671.0, 5355.0, 5455.0, 5544.0, 5582.0, 5502.0, 5443.0, 5422.0, 5285.0, 5449.0, 5683.0, 5280.0, 5418.0, 5607.0, 5498.0, 5287.0, 5573.0, 5652.0, 5694.0, 5584.0, 5613.0, 5643.0, 5589.0, 5522.0, 5709.0, 5347.0, 5629.0, 5515.0, 5364.0, 5663.0, 5300.0, 5489.0, 5592.0, 5614.0, 5606.0, 5394.0, 5581.0, 5625.0, 5279.0, 5657.0, 5644.0, 5511.0, 5576.0, 5567.0, 5439.0, 5503.0, 5513.0, 5696.0, 5303.0, 5461.0, 5575.0, 5448.0, 5690.0, 5632.0, 5392.0, 5597.0, 5601.0, 5591.0, 5278.0, 5377.0, 5611.0, 5518.0, 5324.0, 5368.0, 5560.0, 5609.0, 5283.0, 5363.0, 5456.0, 5704.0, 5427.0, 5276.0, 5339.0, 5255.0, 5329.0, 5526.0, 5269.0, 5530.0, 5299.0, 5435.0, 5545.0, 5647.0, 5505.0, 5572.0, 5440.0, 5462.0, 5379.0, 5536.0, 5434.0, 5623.0, 5482.0, 5371.0, 5450.0, 5481.0, 5433.0, 5679.0 (number of hits: 9)
9	5270	9	1	333	1	5539.0, 5564.0, 5288.0, 5547.0, 5667.0, 5514.0, 5493.0, 5255.0, 5259.0, 5464.0, 5642.0, 5626.0, 5410.0, 5453.0, 5348.0,

						5346.0, 5699.0, 5467.0, 5291.0, 5261.0, 5615.0, 5605.0, 5528.0, 5414.0, 5359.0, 5598.0, 5440.0, 5270.0, 5570.0, 5350.0, 5529.0, 5262.0, 5709.0, 5313.0, 5431.0, 5322.0, 5513.0, 5694.0, 5684.0, 5486.0, 5713.0, 5373.0, 5628.0, 5448.0, 5548.0, 5324.0, 5672.0, 5310.0, 5691.0, 5650.0, 5280.0, 5400.0, 5408.0, 5658.0, 5293.0, 5254.0, 5326.0, 5312.0, 5507.0, 5683.0, 5482.0, 5521.0, 5492.0, 5289.0, 5578.0, 5278.0, 5398.0, 5629.0, 5696.0, 5388.0, 5283.0, 5510.0, 5337.0, 5444.0, 5576.0, 5429.0, 5660.0, 5515.0, 5419.0, 5523.0, 5711.0, 5560.0, 5704.0, 5526.0, 5380.0, 5718.0, 5399.0, 5587.0, 5686.0, 5279.0, 5618.0, 5479.0, 5265.0, 5541.0, 5296.0, 5535.0, 5674.0, 5534.0, 5413.0, 5250.0 (number of hits: 14)
10	5270	9	1	333	1	5704.0, 5599.0, 5648.0, 5716.0, 5575.0, 5664.0, 5452.0, 5361.0, 5634.0, 5640.0, 5405.0, 5391.0, 5430.0, 5533.0, 5336.0, 5425.0, 5327.0, 5449.0, 5496.0, 5585.0, 5366.0, 5407.0, 5338.0, 5520.0, 5476.0, 5360.0, 5551.0, 5268.0, 5295.0, 5266.0, 5352.0, 5259.0, 5320.0, 5587.0, 5703.0, 5571.0, 5461.0, 5261.0, 5414.0, 5598.0, 5518.0, 5581.0, 5592.0, 5398.0, 5385.0, 5677.0, 5367.0, 5404.0, 5569.0, 5417.0, 5601.0, 5491.0, 5512.0, 5622.0, 5256.0, 5438.0, 5487.0, 5423.0, 5603.0, 5568.0, 5470.0, 5388.0, 5583.0, 5257.0, 5480.0, 5350.0, 5511.0, 5543.0, 5702.0, 5254.0, 5505.0, 5534.0, 5429.0, 5298.0, 5283.0, 5711.0, 5683.0, 5666.0, 5290.0, 5384.0, 5690.0, 5252.0, 5606.0, 5260.0, 5550.0, 5317.0, 5301.0, 5305.0, 5611.0, 5307.0, 5435.0, 5376.0, 5469.0, 5386.0, 5715.0, 5570.0, 5424.0, 5613.0, 5479.0, 5707.0 (number of hits: 10)
11	5270	9	1	333	1	5272.0, 5722.0, 5568.0, 5714.0, 5406.0, 5452.0, 5688.0, 5720.0, 5497.0, 5305.0, 5593.0, 5343.0, 5622.0, 5438.0, 5257.0, 5629.0, 5701.0, 5404.0, 5618.0, 5580.0, 5698.0, 5589.0, 5565.0, 5297.0, 5518.0, 5410.0, 5312.0, 5482.0, 5383.0, 5631.0, 5542.0, 5448.0, 5442.0, 5417.0, 5333.0, 5586.0, 5361.0, 5317.0, 5704.0, 5635.0, 5354.0, 5597.0, 5270.0, 5505.0, 5648.0, 5407.0, 5310.0, 5656.0, 5624.0, 5402.0, 5294.0, 5283.0, 5431.0, 5335.0, 5576.0, 5585.0, 5349.0, 5712.0, 5362.0, 5254.0, 5577.0, 5507.0, 5352.0, 5693.0, 5445.0, 5455.0, 5255.0, 5388.0, 5540.0, 5494.0, 5649.0, 5703.0, 5600.0, 5528.0, 5718.0, 5378.0, 5348.0, 5594.0, 5517.0, 5299.0, 5545.0, 5467.0, 5668.0, 5266.0, 5282.0, 5602.0, 5525.0, 5427.0, 5646.0, 5401.0, 5356.0, 5434.0, 5516.0, 5550.0, 5692.0, 5614.0, 5583.0, 5679.0, 5510.0, 5570.0

						(number of hits: 8)
12	5270	9	1	333	1	5533.0, 5300.0, 5349.0, 5624.0, 5447.0, 5695.0, 5429.0, 5318.0, 5507.0, 5485.0, 5547.0, 5425.0, 5579.0, 5647.0, 5266.0, 5455.0, 5276.0, 5593.0, 5571.0, 5256.0, 5498.0, 5601.0, 5585.0, 5594.0, 5653.0, 5465.0, 5496.0, 5506.0, 5343.0, 5476.0, 5536.0, 5710.0, 5567.0, 5717.0, 5470.0, 5583.0, 5437.0, 5430.0, 5491.0, 5570.0, 5338.0, 5273.0, 5375.0, 5262.0, 5659.0, 5379.0, 5677.0, 5299.0, 5310.0, 5464.0, 5552.0, 5486.0, 5602.0, 5617.0, 5327.0, 5272.0, 5556.0, 5526.0, 5396.0, 5402.0, 5286.0, 5620.0, 5535.0, 5494.0, 5260.0, 5304.0, 5449.0, 5454.0, 5438.0, 5492.0, 5311.0, 5592.0, 5474.0, 5646.0, 5264.0, 5652.0, 5632.0, 5665.0, 5590.0, 5553.0, 5445.0, 5566.0, 5504.0, 5377.0, 5604.0, 5580.0, 5563.0, 5363.0, 5711.0, 5435.0, 5674.0, 5382.0, 5258.0, 5284.0, 5554.0, 5499.0, 5398.0, 5484.0, 5401.0, 5459.0
						(number of hits: 11)
13	5270	9	1	333	1	5524.0, 5583.0, 5363.0, 5542.0, 5412.0, 5302.0, 5611.0, 5553.0, 5337.0, 5495.0, 5503.0, 5595.0, 5464.0, 5653.0, 5708.0, 5274.0, 5432.0, 5608.0, 5284.0, 5513.0, 5472.0, 5573.0, 5613.0, 5414.0, 5374.0, 5410.0, 5370.0, 5266.0, 5678.0, 5569.0, 5500.0, 5305.0, 5697.0, 5571.0, 5646.0, 5362.0, 5457.0, 5554.0, 5597.0, 5489.0, 5650.0, 5287.0, 5371.0, 5531.0, 5547.0, 5493.0, 5478.0, 5649.0, 5352.0, 5303.0, 5313.0, 5456.0, 5561.0, 5344.0, 5441.0, 5545.0, 5376.0, 5596.0, 5652.0, 5498.0, 5447.0, 5690.0, 5321.0, 5293.0, 5324.0, 5510.0, 5367.0, 5641.0, 5658.0, 5700.0, 5666.0, 5714.0, 5442.0, 5636.0, 5529.0, 5606.0, 5584.0, 5521.0, 5433.0, 5289.0, 5704.0, 5355.0, 5470.0, 5588.0, 5651.0, 5278.0, 5291.0, 5656.0, 5334.0, 5537.0, 5720.0, 5393.0, 5544.0, 5556.0, 5465.0, 5301.0, 5314.0, 5654.0, 5605.0, 5421.0
						(number of hits: 6)
14	5270	9	1	333	1	5336.0, 5478.0, 5653.0, 5510.0, 5572.0, 5721.0, 5511.0, 5330.0, 5519.0, 5450.0, 5576.0, 5574.0, 5617.0, 5295.0, 5538.0, 5559.0, 5305.0, 5376.0, 5644.0, 5419.0, 5554.0, 5429.0, 5268.0, 5329.0, 5662.0, 5452.0, 5647.0, 5561.0, 5298.0, 5638.0, 5276.0, 5688.0, 5403.0, 5704.0, 5479.0, 5594.0, 5448.0, 5611.0, 5379.0, 5297.0, 5520.0, 5386.0, 5623.0, 5273.0, 5686.0, 5408.0, 5385.0, 5467.0, 5577.0, 5391.0, 5698.0, 5570.0, 5322.0, 5639.0, 5471.0, 5415.0, 5684.0, 5517.0, 5290.0, 5423.0, 5353.0, 5436.0, 5392.0, 5454.0, 5714.0, 5710.0, 5602.0, 5459.0, 5515.0, 5342.0, 5539.0, 5706.0, 5449.0, 5643.0, 5434.0, 5468.0, 5375.0, 5463.0, 5626.0, 5579.0,

						5557.0, 5422.0, 5472.0, 5584.0, 5672.0, 5649.0, 5588.0, 5482.0, 5534.0, 5284.0, 5406.0, 5300.0, 5531.0, 5691.0, 5369.0, 5432.0, 5402.0, 5590.0, 5697.0, 5367.0 (number of hits: 4)
15	5270	9	1	333	1	5429.0, 5371.0, 5272.0, 5311.0, 5704.0, 5559.0, 5506.0, 5278.0, 5637.0, 5439.0, 5660.0, 5503.0, 5514.0, 5309.0, 5356.0, 5322.0, 5578.0, 5717.0, 5393.0, 5546.0, 5445.0, 5591.0, 5352.0, 5420.0, 5368.0, 5295.0, 5363.0, 5577.0, 5699.0, 5655.0, 5496.0, 5674.0, 5289.0, 5542.0, 5443.0, 5389.0, 5274.0, 5697.0, 5723.0, 5411.0, 5490.0, 5353.0, 5600.0, 5301.0, 5714.0, 5705.0, 5321.0, 5305.0, 5253.0, 5548.0, 5524.0, 5292.0, 5544.0, 5252.0, 5701.0, 5545.0, 5251.0, 5449.0, 5380.0, 5440.0, 5313.0, 5520.0, 5370.0, 5582.0, 5426.0, 5493.0, 5455.0, 5373.0, 5711.0, 5385.0, 5700.0, 5472.0, 5409.0, 5640.0, 5671.0, 5613.0, 5605.0, 5534.0, 5508.0, 5308.0, 5453.0, 5401.0, 5594.0, 5706.0, 5408.0, 5498.0, 5312.0, 5669.0, 5405.0, 5259.0, 5667.0, 5374.0, 5557.0, 5360.0, 5672.0, 5415.0, 5547.0, 5320.0, 5361.0, 5580.0 (number of hits: 8)
16	5270	9	1	333	1	5672.0, 5290.0, 5378.0, 5377.0, 5358.0, 5328.0, 5434.0, 5280.0, 5316.0, 5613.0, 5424.0, 5444.0, 5283.0, 5551.0, 5351.0, 5490.0, 5474.0, 5494.0, 5619.0, 5617.0, 5325.0, 5416.0, 5503.0, 5252.0, 5710.0, 5592.0, 5436.0, 5296.0, 5392.0, 5530.0, 5634.0, 5363.0, 5643.0, 5261.0, 5442.0, 5386.0, 5694.0, 5644.0, 5298.0, 5701.0, 5637.0, 5262.0, 5448.0, 5505.0, 5669.0, 5615.0, 5610.0, 5528.0, 5560.0, 5695.0, 5362.0, 5269.0, 5584.0, 5311.0, 5288.0, 5715.0, 5507.0, 5437.0, 5716.0, 5466.0, 5558.0, 5456.0, 5407.0, 5533.0, 5395.0, 5555.0, 5622.0, 5387.0, 5455.0, 5691.0, 5698.0, 5511.0, 5678.0, 5282.0, 5707.0, 5512.0, 5463.0, 5631.0, 5626.0, 5506.0, 5310.0, 5303.0, 5423.0, 5700.0, 5722.0, 5460.0, 5502.0, 5270.0, 5630.0, 5621.0, 5281.0, 5352.0, 5302.0, 5480.0, 5655.0, 5703.0, 5524.0, 5568.0, 5607.0, 5398.0 (number of hits: 10)
17	5270	9	1	333	1	5326.0, 5291.0, 5506.0, 5275.0, 5459.0, 5686.0, 5537.0, 5665.0, 5556.0, 5381.0, 5255.0, 5366.0, 5442.0, 5629.0, 5684.0, 5407.0, 5271.0, 5524.0, 5296.0, 5292.0, 5674.0, 5660.0, 5458.0, 5443.0, 5656.0, 5288.0, 5432.0, 5365.0, 5385.0, 5530.0, 5662.0, 5378.0, 5697.0, 5352.0, 5308.0, 5479.0, 5321.0, 5335.0, 5644.0, 5581.0, 5713.0, 5670.0, 5302.0, 5362.0, 5299.0, 5349.0, 5621.0, 5401.0, 5342.0, 5609.0, 5514.0, 5696.0, 5509.0, 5445.0, 5511.0, 5428.0, 5613.0, 5298.0, 5322.0, 5334.0,

						5650.0, 5318.0, 5268.0, 5262.0, 5564.0, 5390.0, 5368.0, 5386.0, 5570.0, 5331.0, 5270.0, 5539.0, 5389.0, 5393.0, 5664.0, 5567.0, 5693.0, 5521.0, 5312.0, 5572.0, 5474.0, 5426.0, 5503.0, 5704.0, 5408.0, 5617.0, 5505.0, 5519.0, 5612.0, 5421.0, 5361.0, 5467.0, 5681.0, 5703.0, 5633.0, 5683.0, 5590.0, 5356.0, 5295.0, 5598.0 (number of hits: 7)
18	5270	9	1	333	1	5465.0, 5575.0, 5611.0, 5513.0, 5718.0, 5450.0, 5503.0, 5639.0, 5638.0, 5304.0, 5496.0, 5596.0, 5420.0, 5494.0, 5517.0, 5546.0, 5459.0, 5514.0, 5251.0, 5463.0, 5369.0, 5281.0, 5379.0, 5290.0, 5689.0, 5579.0, 5550.0, 5722.0, 5325.0, 5470.0, 5506.0, 5592.0, 5395.0, 5453.0, 5558.0, 5430.0, 5705.0, 5537.0, 5456.0, 5660.0, 5377.0, 5693.0, 5582.0, 5720.0, 5323.0, 5500.0, 5279.0, 5618.0, 5481.0, 5374.0, 5488.0, 5351.0, 5560.0, 5640.0, 5658.0, 5610.0, 5652.0, 5686.0, 5566.0, 5696.0, 5539.0, 5408.0, 5438.0, 5427.0, 5663.0, 5467.0, 5654.0, 5516.0, 5505.0, 5390.0, 5717.0, 5460.0, 5399.0, 5612.0, 5273.0, 5462.0, 5484.0, 5382.0, 5485.0, 5719.0, 5448.0, 5645.0, 5255.0, 5263.0, 5434.0, 5349.0, 5607.0, 5554.0, 5583.0, 5629.0, 5384.0, 5357.0, 5466.0, 5329.0, 5356.0, 5268.0, 5406.0, 5350.0, 5376.0, 5584.0 (number of hits: 7)
19	5270	9	1	333	1	5356.0, 5567.0, 5520.0, 5714.0, 5547.0, 5656.0, 5347.0, 5259.0, 5515.0, 5644.0, 5257.0, 5696.0, 5314.0, 5295.0, 5639.0, 5427.0, 5342.0, 5436.0, 5617.0, 5301.0, 5634.0, 5509.0, 5571.0, 5286.0, 5588.0, 5572.0, 5583.0, 5350.0, 5590.0, 5578.0, 5430.0, 5283.0, 5702.0, 5476.0, 5555.0, 5270.0, 5306.0, 5369.0, 5282.0, 5720.0, 5330.0, 5660.0, 5423.0, 5493.0, 5717.0, 5299.0, 5440.0, 5398.0, 5524.0, 5514.0, 5601.0, 5570.0, 5685.0, 5531.0, 5413.0, 5391.0, 5309.0, 5456.0, 5471.0, 5396.0, 5300.0, 5343.0, 5478.0, 5337.0, 5329.0, 5595.0, 5279.0, 5262.0, 5410.0, 5517.0, 5658.0, 5322.0, 5687.0, 5527.0, 5649.0, 5701.0, 5383.0, 5633.0, 5374.0, 5304.0, 5564.0, 5594.0, 5277.0, 5581.0, 5319.0, 5315.0, 5518.0, 5358.0, 5409.0, 5681.0, 5355.0, 5665.0, 5637.0, 5675.0, 5253.0, 5394.0, 5364.0, 5629.0, 5589.0, 5331.0 (number of hits: 10)
20	5270	9	1	333	1	5327.0, 5470.0, 5592.0, 5544.0, 5638.0, 5550.0, 5325.0, 5534.0, 5349.0, 5423.0, 5697.0, 5706.0, 5445.0, 5487.0, 5301.0, 5409.0, 5626.0, 5280.0, 5564.0, 5308.0, 5293.0, 5453.0, 5701.0, 5581.0, 5670.0, 5689.0, 5440.0, 5650.0, 5336.0, 5663.0, 5341.0, 5574.0, 5692.0, 5708.0, 5410.0, 5655.0, 5562.0, 5494.0, 5279.0, 5379.0,

						5720.0, 5491.0, 5319.0, 5669.0, 5300.0, 5471.0, 5350.0, 5417.0, 5538.0, 5421.0, 5304.0, 5452.0, 5413.0, 5329.0, 5451.0, 5270.0, 5535.0, 5606.0, 5431.0, 5458.0, 5664.0, 5719.0, 5430.0, 5390.0, 5434.0, 5533.0, 5405.0, 5348.0, 5548.0, 5524.0, 5466.0, 5566.0, 5514.0, 5418.0, 5627.0, 5386.0, 5647.0, 5298.0, 5602.0, 5609.0, 5361.0, 5639.0, 5496.0, 5717.0, 5598.0, 5709.0, 5306.0, 5426.0, 5610.0, 5620.0, 5292.0, 5392.0, 5354.0, 5662.0, 5333.0, 5498.0, 5338.0, 5454.0, 5671.0, 5651.0 (number of hits: 3)
21	5270	9	1	333	1	5591.0, 5275.0, 5718.0, 5659.0, 5326.0, 5391.0, 5647.0, 5557.0, 5494.0, 5303.0, 5448.0, 5443.0, 5682.0, 5625.0, 5339.0, 5451.0, 5350.0, 5607.0, 5441.0, 5721.0, 5411.0, 5636.0, 5491.0, 5452.0, 5558.0, 5424.0, 5697.0, 5660.0, 5471.0, 5291.0, 5455.0, 5546.0, 5334.0, 5531.0, 5255.0, 5569.0, 5459.0, 5720.0, 5561.0, 5595.0, 5640.0, 5365.0, 5266.0, 5376.0, 5600.0, 5277.0, 5260.0, 5398.0, 5612.0, 5282.0, 5515.0, 5475.0, 5688.0, 5386.0, 5574.0, 5315.0, 5669.0, 5519.0, 5400.0, 5283.0, 5472.0, 5622.0, 5264.0, 5517.0, 5476.0, 5318.0, 5444.0, 5666.0, 5696.0, 5671.0, 5299.0, 5702.0, 5555.0, 5439.0, 5614.0, 5485.0, 5663.0, 5628.0, 5587.0, 5483.0, 5534.0, 5535.0, 5616.0, 5456.0, 5403.0, 5563.0, 5416.0, 5346.0, 5539.0, 5499.0, 5359.0, 5709.0, 5271.0, 5521.0, 5321.0, 5715.0, 5690.0, 5269.0, 5605.0, 5631.0 (number of hits: 10)
22	5270	9	1	333	1	5433.0, 5691.0, 5474.0, 5480.0, 5541.0, 5509.0, 5473.0, 5266.0, 5459.0, 5434.0, 5561.0, 5385.0, 5337.0, 5722.0, 5489.0, 5504.0, 5709.0, 5585.0, 5704.0, 5382.0, 5423.0, 5672.0, 5519.0, 5645.0, 5629.0, 5290.0, 5631.0, 5327.0, 5594.0, 5610.0, 5636.0, 5668.0, 5469.0, 5464.0, 5378.0, 5447.0, 5535.0, 5291.0, 5554.0, 5640.0, 5326.0, 5602.0, 5420.0, 5485.0, 5358.0, 5404.0, 5263.0, 5321.0, 5421.0, 5713.0, 5338.0, 5693.0, 5552.0, 5505.0, 5418.0, 5523.0, 5405.0, 5584.0, 5603.0, 5712.0, 5250.0, 5492.0, 5531.0, 5280.0, 5315.0, 5518.0, 5304.0, 5349.0, 5569.0, 5398.0, 5637.0, 5302.0, 5309.0, 5508.0, 5566.0, 5475.0, 5351.0, 5698.0, 5646.0, 5649.0, 5592.0, 5707.0, 5281.0, 5551.0, 5462.0, 5659.0, 5396.0, 5583.0, 5399.0, 5501.0, 5393.0, 5369.0, 5289.0, 5650.0, 5366.0, 5362.0, 5565.0, 5389.0, 5277.0, 5384.0 (number of hits: 7)
23	5270	9	1	333	1	5504.0, 5479.0, 5465.0, 5685.0, 5557.0, 5469.0, 5712.0, 5604.0, 5439.0, 5721.0, 5691.0, 5309.0, 5430.0, 5539.0, 5710.0, 5531.0, 5636.0, 5578.0, 5280.0, 5368.0,

						5537.0, 5496.0, 5659.0, 5352.0, 5637.0, 5417.0, 5723.0, 5323.0, 5288.0, 5337.0, 5499.0, 5528.0, 5622.0, 5456.0, 5420.0, 5555.0, 5475.0, 5549.0, 5677.0, 5283.0, 5632.0, 5426.0, 5631.0, 5332.0, 5292.0, 5687.0, 5542.0, 5564.0, 5724.0, 5510.0, 5602.0, 5382.0, 5364.0, 5462.0, 5266.0, 5506.0, 5541.0, 5396.0, 5419.0, 5338.0, 5625.0, 5567.0, 5634.0, 5568.0, 5369.0, 5674.0, 5444.0, 5480.0, 5294.0, 5315.0, 5492.0, 5341.0, 5692.0, 5357.0, 5720.0, 5586.0, 5285.0, 5400.0, 5493.0, 5358.0, 5497.0, 5651.0, 5470.0, 5603.0, 5366.0, 5645.0, 5255.0, 5438.0, 5606.0, 5597.0, 5612.0, 5540.0, 5277.0, 5384.0, 5415.0, 5530.0, 5407.0, 5676.0, 5260.0, 5383.0 (number of hits: 8)
24	5270	9	1	333	1	5572.0, 5584.0, 5577.0, 5441.0, 5266.0, 5553.0, 5304.0, 5628.0, 5697.0, 5684.0, 5449.0, 5263.0, 5699.0, 5644.0, 5606.0, 5417.0, 5323.0, 5279.0, 5316.0, 5520.0, 5517.0, 5621.0, 5293.0, 5633.0, 5657.0, 5540.0, 5575.0, 5658.0, 5703.0, 5522.0, 5286.0, 5343.0, 5321.0, 5702.0, 5659.0, 5593.0, 5307.0, 5372.0, 5706.0, 5434.0, 5334.0, 5609.0, 5396.0, 5618.0, 5536.0, 5642.0, 5408.0, 5445.0, 5654.0, 5714.0, 5710.0, 5687.0, 5693.0, 5383.0, 5448.0, 5377.0, 5354.0, 5512.0, 5411.0, 5499.0, 5616.0, 5539.0, 5371.0, 5305.0, 5367.0, 5365.0, 5558.0, 5357.0, 5299.0, 5466.0, 5666.0, 5497.0, 5484.0, 5578.0, 5472.0, 5487.0, 5494.0, 5352.0, 5639.0, 5695.0, 5409.0, 5440.0, 5541.0, 5610.0, 5474.0, 5513.0, 5340.0, 5328.0, 5289.0, 5496.0, 5596.0, 5429.0, 5488.0, 5491.0, 5607.0, 5412.0, 5398.0, 5384.0, 5421.0, 5715.0 (number of hits: 5)
25	5270	9	1	333	1	5379.0, 5705.0, 5615.0, 5660.0, 5523.0, 5544.0, 5347.0, 5687.0, 5512.0, 5384.0, 5303.0, 5354.0, 5336.0, 5609.0, 5487.0, 5665.0, 5594.0, 5535.0, 5585.0, 5507.0, 5305.0, 5497.0, 5274.0, 5531.0, 5414.0, 5345.0, 5645.0, 5319.0, 5477.0, 5360.0, 5608.0, 5473.0, 5309.0, 5578.0, 5378.0, 5633.0, 5702.0, 5557.0, 5457.0, 5489.0, 5380.0, 5522.0, 5437.0, 5367.0, 5532.0, 5577.0, 5440.0, 5693.0, 5616.0, 5441.0, 5550.0, 5363.0, 5599.0, 5302.0, 5397.0, 5492.0, 5642.0, 5410.0, 5621.0, 5465.0, 5277.0, 5629.0, 5569.0, 5619.0, 5686.0, 5267.0, 5717.0, 5294.0, 5490.0, 5536.0, 5308.0, 5486.0, 5385.0, 5663.0, 5407.0, 5598.0, 5387.0, 5503.0, 5273.0, 5537.0, 5527.0, 5695.0, 5509.0, 5696.0, 5688.0, 5417.0, 5357.0, 5571.0, 5382.0, 5674.0, 5699.0, 5710.0, 5556.0, 5291.0, 5337.0, 5260.0, 5650.0, 5451.0, 5299.0, 5637.0 (number of hits: 5)

26	5270	9	1	333	1	5539.0, 5639.0, 5647.0, 5482.0, 5541.0, 5361.0, 5346.0, 5290.0, 5388.0, 5578.0, 5391.0, 5279.0, 5694.0, 5635.0, 5338.0, 5684.0, 5531.0, 5430.0, 5366.0, 5588.0, 5319.0, 5620.0, 5512.0, 5718.0, 5545.0, 5463.0, 5622.0, 5264.0, 5299.0, 5506.0, 5273.0, 5634.0, 5638.0, 5523.0, 5646.0, 5372.0, 5673.0, 5499.0, 5400.0, 5697.0, 5691.0, 5507.0, 5418.0, 5433.0, 5333.0, 5633.0, 5613.0, 5569.0, 5709.0, 5280.0, 5410.0, 5313.0, 5358.0, 5317.0, 5404.0, 5384.0, 5421.0, 5547.0, 5660.0, 5352.0, 5426.0, 5289.0, 5519.0, 5577.0, 5504.0, 5677.0, 5390.0, 5393.0, 5368.0, 5385.0, 5409.0, 5461.0, 5601.0, 5258.0, 5678.0, 5466.0, 5711.0, 5382.0, 5599.0, 5292.0, 5502.0, 5486.0, 5581.0, 5359.0, 5701.0, 5715.0, 5626.0, 5261.0, 5524.0, 5632.0, 5389.0, 5618.0, 5515.0, 5275.0, 5473.0, 5457.0, 5362.0, 5685.0, 5616.0, 5607.0 (number of hits: 8)
27	5270	9	1	333	1	5643.0, 5554.0, 5509.0, 5572.0, 5567.0, 5680.0, 5468.0, 5374.0, 5672.0, 5426.0, 5720.0, 5280.0, 5256.0, 5600.0, 5714.0, 5367.0, 5335.0, 5364.0, 5278.0, 5356.0, 5286.0, 5452.0, 5712.0, 5461.0, 5422.0, 5292.0, 5606.0, 5588.0, 5419.0, 5532.0, 5705.0, 5265.0, 5645.0, 5264.0, 5722.0, 5297.0, 5287.0, 5339.0, 5603.0, 5443.0, 5580.0, 5493.0, 5403.0, 5398.0, 5504.0, 5630.0, 5610.0, 5475.0, 5370.0, 5337.0, 5641.0, 5463.0, 5681.0, 5469.0, 5616.0, 5359.0, 5377.0, 5622.0, 5449.0, 5400.0, 5530.0, 5700.0, 5591.0, 5301.0, 5607.0, 5548.0, 5345.0, 5309.0, 5571.0, 5360.0, 5354.0, 5489.0, 5583.0, 5326.0, 5541.0, 5642.0, 5414.0, 5490.0, 5557.0, 5503.0, 5698.0, 5555.0, 5654.0, 5349.0, 5343.0, 5348.0, 5636.0, 5284.0, 5637.0, 5355.0, 5436.0, 5303.0, 5495.0, 5376.0, 5250.0, 5628.0, 5269.0, 5358.0, 5488.0, 5347.0 (number of hits: 10)
28	5270	9	1	333	1	5366.0, 5546.0, 5669.0, 5594.0, 5534.0, 5517.0, 5638.0, 5611.0, 5588.0, 5265.0, 5264.0, 5641.0, 5307.0, 5599.0, 5507.0, 5348.0, 5379.0, 5558.0, 5622.0, 5667.0, 5528.0, 5633.0, 5674.0, 5351.0, 5593.0, 5704.0, 5434.0, 5346.0, 5465.0, 5274.0, 5619.0, 5404.0, 5506.0, 5360.0, 5631.0, 5270.0, 5536.0, 5604.0, 5403.0, 5372.0, 5353.0, 5398.0, 5605.0, 5320.0, 5361.0, 5716.0, 5350.0, 5628.0, 5718.0, 5374.0, 5259.0, 5463.0, 5637.0, 5273.0, 5289.0, 5699.0, 5468.0, 5545.0, 5301.0, 5719.0, 5461.0, 5446.0, 5659.0, 5627.0, 5623.0, 5305.0, 5325.0, 5388.0, 5543.0, 5429.0, 5260.0, 5694.0, 5275.0, 5376.0, 5541.0, 5407.0, 5532.0, 5430.0, 5437.0, 5651.0, 5318.0, 5498.0, 5512.0, 5688.0, 5647.0,

						5263.0, 5565.0, 5448.0, 5711.0, 5423.0, 5516.0, 5555.0, 5393.0, 5382.0, 5408.0, 5574.0, 5559.0, 5332.0, 5333.0, 5598.0 (number of hits: 10)
29	5270	9	1	333	1	5367.0, 5639.0, 5566.0, 5361.0, 5397.0, 5329.0, 5613.0, 5655.0, 5555.0, 5680.0, 5486.0, 5545.0, 5279.0, 5375.0, 5336.0, 5531.0, 5255.0, 5456.0, 5668.0, 5698.0, 5560.0, 5638.0, 5360.0, 5700.0, 5632.0, 5435.0, 5411.0, 5596.0, 5433.0, 5357.0, 5665.0, 5275.0, 5258.0, 5455.0, 5573.0, 5554.0, 5506.0, 5366.0, 5345.0, 5672.0, 5284.0, 5430.0, 5377.0, 5536.0, 5582.0, 5619.0, 5635.0, 5316.0, 5720.0, 5273.0, 5707.0, 5447.0, 5399.0, 5578.0, 5627.0, 5323.0, 5643.0, 5469.0, 5339.0, 5340.0, 5331.0, 5276.0, 5617.0, 5453.0, 5475.0, 5428.0, 5355.0, 5577.0, 5519.0, 5478.0, 5378.0, 5693.0, 5510.0, 5547.0, 5289.0, 5679.0, 5629.0, 5614.0, 5412.0, 5263.0, 5533.0, 5490.0, 5418.0, 5299.0, 5291.0, 5513.0, 5654.0, 5509.0, 5497.0, 5491.0, 5653.0, 5562.0, 5439.0, 5302.0, 5420.0, 5358.0, 5626.0, 5324.0, 5288.0, 5548.0 (number of hits: 10)
30	5270	9	1	333	1	5445.0, 5637.0, 5411.0, 5531.0, 5693.0, 5716.0, 5698.0, 5645.0, 5540.0, 5278.0, 5665.0, 5671.0, 5617.0, 5669.0, 5257.0, 5639.0, 5435.0, 5372.0, 5436.0, 5711.0, 5451.0, 5677.0, 5624.0, 5598.0, 5369.0, 5392.0, 5282.0, 5428.0, 5619.0, 5602.0, 5357.0, 5315.0, 5318.0, 5706.0, 5668.0, 5575.0, 5506.0, 5339.0, 5477.0, 5670.0, 5605.0, 5538.0, 5608.0, 5682.0, 5518.0, 5429.0, 5717.0, 5673.0, 5512.0, 5686.0, 5351.0, 5500.0, 5585.0, 5398.0, 5683.0, 5361.0, 5472.0, 5300.0, 5513.0, 5599.0, 5431.0, 5695.0, 5493.0, 5382.0, 5594.0, 5505.0, 5497.0, 5409.0, 5405.0, 5478.0, 5521.0, 5707.0, 5542.0, 5610.0, 5336.0, 5705.0, 5623.0, 5560.0, 5293.0, 5404.0, 5440.0, 5588.0, 5591.0, 5536.0, 5699.0, 5570.0, 5638.0, 5713.0, 5675.0, 5490.0, 5271.0, 5420.0, 5269.0, 5415.0, 5390.0, 5304.0, 5547.0, 5486.0, 5474.0, 5568.0 (number of hits: 5)

5290 MHz, 80 MHz Bandwidth

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

Please refer to the following statistical tables:

5290 MHz, 80 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	70	1	758	1
2	5290	72	1	738	1
3	5290	61	1	878	1
4	5290	92	1	578	1
5	5290	63	1	838	1
6	5290	58	1	918	1
7	5290	99	1	538	1
8	5290	81	1	658	1
9	5290	89	1	598	1
10	5290	76	1	698	1
11	5290	78	1	678	1
12	5290	67	1	798	1
13	5290	102	1	518	1
14	5290	65	1	818	1
15	5290	86	1	618	1
16	5290	27	1	2003	1
17	5290	25	1	2185	1
18	5290	36	1	1503	1
19	5290	21	1	2637	1
20	5290	44	1	1223	1
21	5290	23	1	2309	1
22	5290	25	1	2199	1
23	5290	20	1	2678	1
24	5290	40	1	1346	1
25	5290	26	1	2034	1
26	5290	19	1	2867	1
27	5290	33	1	1603	1
28	5290	39	1	1388	1
29	5290	33	1	1602	1
30	5290	39	1	1370	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	28	4.8	179	1
2	5290	26	2.6	175	1
3	5290	26	1.7	187	1
4	5290	28	4.3	205	1
5	5290	26	3	222	1
6	5290	24	2.7	219	1
7	5290	29	4.7	175	1
8	5290	23	4.9	206	1
9	5290	25	4.8	213	1
10	5290	27	1.9	219	1
11	5290	23	3.5	215	1
12	5290	25	1.7	223	1
13	5290	23	5	163	1
14	5290	23	4.7	200	1
15	5290	24	4.8	151	1
16	5290	28	1.4	154	1
17	5290	27	3	212	1
18	5290	28	2.3	209	1
19	5290	28	3.4	198	1
20	5290	28	2.6	199	1
21	5290	27	2	215	1
22	5290	26	1.6	210	1
23	5290	28	1.7	200	1
24	5290	25	3.9	157	1
25	5290	23	2.9	152	1
26	5290	29	1.6	223	1
27	5290	28	3	174	1
28	5290	26	1.3	167	1
29	5290	26	3.1	150	1
30	5290	23	3.7	213	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	17	7.3	332	1
2	5290	16	6.5	271	1
3	5290	17	8.1	241	1
4	5290	17	9.8	420	1
5	5290	16	7.3	294	1
6	5290	17	9.4	216	1
7	5290	18	6.8	492	1
8	5290	18	7.2	488	1
9	5290	18	9.9	279	1
10	5290	17	7.8	453	1
11	5290	18	7.2	368	1
12	5290	16	6.1	452	1
13	5290	16	9.3	450	1
14	5290	16	9.8	342	1
15	5290	18	8.2	203	1
16	5290	17	9.3	326	1
17	5290	17	7.4	302	1
18	5290	17	6	414	1
19	5290	17	9.3	489	1
20	5290	18	8.9	259	1
21	5290	17	9.3	207	1
22	5290	18	7.5	317	1
23	5290	18	8.5	393	1
24	5290	16	8.9	280	1
25	5290	18	8	354	1
26	5290	16	8.2	482	1
27	5290	17	8.1	390	1
28	5290	18	7.7	207	1
29	5290	16	7.7	462	1
30	5290	18	7.1	358	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	15	19.6	302	1
2	5290	12	14.1	490	1
3	5290	13	11.8	431	1
4	5290	14	15.7	350	1
5	5290	12	16.4	264	1
6	5290	13	15.3	431	1
7	5290	12	14.6	464	1
8	5290	12	16.3	478	1
9	5290	16	19.5	220	1
10	5290	15	15.8	216	1
11	5290	13	13.9	214	1
12	5290	13	16.9	312	1
13	5290	14	19.3	286	1
14	5290	14	18.1	403	1
15	5290	13	16.5	420	1
16	5290	13	19.8	368	1
17	5290	13	19.7	233	1
18	5290	14	14.6	345	1
19	5290	12	18.5	282	1
20	5290	16	15.1	449	1
21	5290	12	16.8	261	1
22	5290	14	16.7	328	1
23	5290	13	11.1	493	1
24	5290	15	18.9	250	1
25	5290	13	17.5	477	1
26	5290	12	17.9	345	1
27	5290	14	12.8	341	1
28	5290	13	19.5	329	1
29	5290	14	20	384	1
30	5290	15	13.7	498	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5290	1
2	5290	0
3	5290	1
4	5290	1
5	5290	1
6	5290	1
7	5290	1
8	5290	1
9	5290	1
10	5290	1
11	5288.2	1
12	5283.8	1
13	5283.8	1
14	5283.4	1
15	5287	1
16	5285	1
17	5283.4	1
18	5287.4	1
19	5253.4	1
20	5283.8	1
21	5294.6	1
22	5295	0
23	5295.4	1
24	5296.2	1
25	5295	1
26	5294.6	1
27	5292.6	1
28	5291.4	1
29	5293	1
30	5293	1
Detection Percentage: 93.3 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	73.5	1912	1930	0.016979	
1	2	11	66	1039		1.197383	
2	3	11	77.7	1871	1516	1.486318	
3	3	11	67.1	1157	1312	2.495523	
4	3	11	89.3	1363	1039	2.88835	
5	2	11	73.9	1533		3.82439	
6	2	11	74.1	1513		4.365136	
7	3	11	97.3	1473	1037	4.915528	
8	2	11	64.9	1984		5.990838	1
9	2	11	65.9	1437		6.035364	
10	2	11	62.3	1279		7.073844	
11	2	11	86.9	1716		7.512298	
12	2	11	59.3	1062		8.270568	
13	1	11	89.6			9.233448	
14	2	11	75.6	1919		9.651146	
15	2	11	55.3	1414		10.588116	
16	2	11	94.4	1692		10.978257	
17	2	11	86.4	1041		11.980751	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	52.2	1914		0.3745	
1	1	6	86			1.285003	
2	3	6	97.4	1039	1001	1.617157	
3	2	6	91.4	1856		2.498937	
4	1	6	92.1			3.6734	
5	2	6	88.8	1917		4.276625	
6	2	6	66.9	1203		5.166218	
7	2	6	64.1	1002		5.890932	
8	2	6	86.9	1210		6.38345	0
9	1	6	84.4			6.827507	
10	2	6	84.7	1812		7.67052	
11	2	6	54.6	1720		8.983805	
12	2	6	71.4	1821		9.501288	
13	2	6	78.1	1857		10.005449	
14	2	6	75.9	1447		10.663903	
15	1	6	90.4			11.791107	

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	7	93.7	1893		0.140562	
1	3	7	92.2	1851	1971	0.907489	
2	2	7	54.6	1771		1.926856	
3	2	7	72.4	1466		2.68307	
4	3	7	51.9	1106	1571	3.806496	
5	3	7	88.1	1804	1108	4.024744	
6	3	7	61.8	1169	1317	5.503796	
7	1	7	60.5			6.342226	1
8	3	7	66.9	1438	1127	6.934803	
9	2	7	53.6	1991		7.467481	
10	2	7	50.7	1255		8.389845	
11	2	7	65.2	1212		9.006213	
12	2	7	52.7	1735		10.347639	
13	1	7	92.6			10.907712	
14	2	7	73.4	1170		11.957222	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	58.2	1095		0.236774	
1	3	7	97.9	1873	1933	0.872923	
2	1	7	80.4			1.759518	
3	2	7	81.1	1127		2.408814	
4	2	7	58.5	1464		2.640733	
5	2	7	94.9	1504		3.71988	
6	2	7	63	1829		4.16915	
7	3	7	58.2	1300	1435	4.662944	
8	2	7	70.6	1581		5.37374	
9	1	7	93.1			5.840624	1
10	2	7	50.5	1070		6.725985	
11	3	7	74.4	1566	1676	6.975889	
12	1	7	76.1			7.77741	
13	2	7	94.2	1073		8.419617	
14	2	7	59.4	1796		9.267213	
15	2	7	60.4	1314		9.671222	
16	2	7	85.3	1470		10.424689	
17	2	7	77	1615		10.977535	
18	2	7	50.6	1824		11.802997	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	52.5	1914		0.164667	
1	1	7	73.4			1.37423	
2	2	7	89.3	1733		2.359001	
3	2	7	86.8	1594		2.748214	
4	2	7	54.8	1814		4.102192	
5	1	7	73			4.463061	
6	3	7	68.3	1603	1181	5.870498	1
7	3	7	91.3	1673	1790	6.434763	
8	3	7	54.2	1195	1851	7.599289	
9	2	7	93.9	1850		7.846211	
10	2	7	72.2	1082		8.750882	
11	2	7	78.8	1806		9.740803	
12	1	7	98.5			10.815342	
13	1	7	77.9			11.385383	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	54.9	1333		0.384053	
1	1	7	62.4			1.083054	
2	1	7	60.2			1.646449	
3	2	7	97	1157		2.307233	
4	3	7	81.9	1960	1743	2.771658	
5	2	7	77	1753		3.075585	
6	1	7	75.2			4.067747	
7	1	7	98.8			4.48509	
8	2	7	88.8	1005		4.876964	
9	1	7	87.8			5.748524	
10	3	7	64.1	1746	1145	6.105103	1
11	2	7	78.6	1719		6.765569	
12	2	7	76.2	1631		7.686575	
13	1	7	83.7			8.311655	
14	2	7	86.3	1845		8.807279	
15	1	7	61.8			9.376725	
16	2	7	67.6	1747		9.957575	
17	3	7	91	1173	1957	10.508995	
18	1	7	94.3			10.984574	
19	2	7	60.4	1048		11.827989	

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	59.4	1806		0.420808	
1	1	10	99.1			1.823782	
2	2	10	68	1519		3.045765	
3	2	10	61.5	1257		3.38646	
4	2	10	95.5	1875		5.249863	
5	2	10	93.2	1975		5.679185	1
6	2	10	50.5	1691		6.769883	
7	1	10	75			8.7053	
8	2	10	81.4	1659		8.849959	
9	1	10	88.6			9.923011	
10	2	10	87	1440		11.557479	

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	10	85.5	1902		0.899282	
1	2	10	68.1	1980		2.810891	
2	2	10	59	1474		3.774379	
3	1	10	71.6			4.758953	1
4	3	10	59.2	1428	1952	6.681771	
5	2	10	74.2	1007		8.309275	
6	2	10	97.8	1877		9.45104	
7	2	10	73.3	1039		11.279024	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	57.3	1581		0.033257	
1	1	14	56.4			0.924521	
2	3	14	95.9	1515	1719	1.740855	
3	1	14	70.3			2.142214	
4	3	14	97.4	1769	1362	2.934304	
5	2	14	79.3	1881		3.275881	
6	1	14	62.4			3.712913	
7	2	14	92.3	1218		4.243823	
8	2	14	93.9	1923		4.80916	
9	1	14	77			5.646057	
10	3	14	56.8	1088	1315	6.335085	1
11	2	14	60.2	1029		7.096425	
12	1	14	72			7.352691	
13	1	14	57.3			7.811853	
14	2	14	99.1	1118		8.541655	
15	3	14	76.4	1516	1400	9.098376	
16	2	14	67.2	1560		10.032985	
17	1	14	90.3			10.469759	
18	1	14	91.9			10.864027	
19	1	14	64.8			11.754141	

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	6	82.5	1816		0.667346	
1	1	6	57.6			1.664353	
2	3	6	85.9	1073	1143	2.042457	
3	2	6	98.7	1878		2.97091	
4	2	6	59.2	1811		3.586295	
5	3	6	70.6	1978	1585	4.975699	
6	2	6	74.6	1587		5.39073	
7	2	6	82.1	1294		6.096804	1
8	2	6	94.5	1773		7.197432	
9	2	6	68.7	1240		8.519434	
10	2	6	83.4	1377		8.665621	
11	1	6	71.6			9.833272	
12	2	6	56.3	1006		10.86809	
13	1	6	66			11.678702	

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	18	64.4	1954	1342	0.713663	
1	2	18	95.7	1143		1.573877	
2	1	18	65.9			2.198272	
3	1	18	88			3.209717	
4	1	18	77.1			4.537992	
5	1	18	62.9			4.989901	
6	2	18	65.3	1836		5.593645	1
7	2	18	83.7	1497		6.620783	
8	2	18	69	1086		7.604956	
9	2	18	54.6	1708		8.558987	
10	2	18	88.5	1613		10.147782	
11	3	18	73.9	1897	1788	10.99148	
12	2	18	63.8	1357		11.887769	

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	7	96.9			0.274158	
1	3	7	78.8	1464	1567	1.078445	
2	1	7	89.1			1.872214	
3	3	7	53.2	1096	1931	2.751947	
4	2	7	55.5	1743		3.025727	
5	2	7	83	1563		4.210481	
6	2	7	88.1	1369		4.526156	
7	1	7	77.1			5.614685	
8	3	7	67.5	1662	1372	6.141222	1
9	2	7	51.4	1740		6.630587	
10	3	7	90.2	1523	1130	7.29647	
11	1	7	52			8.046414	
12	2	7	97.6	1410		8.716475	
13	3	7	57.3	1690	1729	9.668651	
14	1	7	52			10.032095	
15	1	7	71.1			10.742063	
16	2	7	74.5	1381		11.81274	

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	7	83.6			0.99873	
1	2	7	72.7	1655		1.480133	
2	2	7	84.3	1670		3.245587	
3	1	7	90.7			5.006645	
4	2	7	61.7	1105		6.14538	1
5	2	7	59.5	1272		6.987519	
6	2	7	77.7	1071		9.082132	
7	2	7	88.6	1299		10.092675	
8	2	7	54	1779		11.10653	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	62.2			0.010417	
1	3	6	95.8	1107	1314	0.700651	
2	3	6	72.3	1598	1146	1.37603	
3	2	6	62.4	1813		2.219093	
4	2	6	70.6	1985		2.617778	
5	2	6	67.1	1757		3.390049	
6	2	6	56.2	1357		3.87762	
7	3	6	79.9	1214	1235	4.751264	
8	2	6	99.2	1068		5.605586	
9	2	6	69.9	1997		6.266809	1
10	1	6	79.8			6.625934	
11	1	6	79.5			6.989238	
12	3	6	60.1	1444	1652	8.046733	
13	2	6	83.1	1179		8.296851	
14	2	6	87.9	1360		8.884634	
15	3	6	77.8	1550	1630	10.042013	
16	2	6	66.1	1849		10.1275	
17	3	6	91	1751	1795	10.916856	
18	2	6	94.8	1304		11.690638	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	67.5	1511	1318	0.680149	
1	2	15	73	1118		1.005174	
2	1	15	65			1.914902	
3	3	15	87.9	1831	1865	2.710504	
4	1	15	96.5			2.96324	
5	2	15	84.9	1894		4.1971	
6	1	15	78.5			4.504997	
7	1	15	65.1			5.515702	
8	2	15	96.5	1254		5.823174	1
9	1	15	69.3			6.5382	
10	3	15	81.3	1193	1617	7.675347	
11	3	15	56	1446	1090	8.173305	
12	1	15	65.8			8.972541	
13	1	15	69.5			9.474411	
14	2	15	92.7	1689		10.506533	
15	2	15	95.4	1544		10.845985	
16	1	15	83.7			11.692948	

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	10	62			0.416959	
1	1	10	61.5			1.031923	
2	1	10	89.2			2.068252	
3	2	10	63.7	1959		2.683074	
4	2	10	97.4	1778		3.488952	
5	2	10	82.8	1842		4.656651	
6	2	10	50.7	1924		5.407192	
7	2	10	51.3	1951		6.454242	1
8	1	10	73.9			7.571781	
9	2	10	65.4	1157		8.289149	
10	1	10	96.7			8.671466	
11	1	10	98.1			9.62442	
12	2	10	66.3	1284		10.554155	
13	2	10	59.8	1881		11.815648	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	70.2	1539		0.447543	
1	2	6	92.7	1960		0.954001	
2	1	6	64.3			1.668687	
3	2	6	74.2	1381		2.774483	
4	3	6	63.6	1421	1473	3.536975	
5	2	6	87.1	1871		4.279321	
6	1	6	93.1			4.539432	
7	3	6	71.2	1727	1748	5.812671	1
8	1	6	96.3			6.406067	
9	3	6	64.9	1305	1849	6.806108	
10	2	6	54.6	1211		7.592678	
11	2	6	52.9	1579		8.7296	
12	2	6	66.2	1616		9.665168	
13	3	6	52.7	1097	1615	10.106171	
14	1	6	73.1			11.001659	
15	2	6	79.1	1650		11.376339	

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	16	50.4	1572		0.728548	
1	1	16	56.2			0.939687	
2	3	16	93.6	1387	1410	2.246764	
3	3	16	59.8	1621	1993	2.681604	
4	2	16	60.4	1248		3.739687	
5	2	16	95.8	1110		4.889581	
6	2	16	85	1297		5.567395	
7	2	16	86.3	1087		6.781191	1
8	1	16	92.5			7.18936	
9	2	16	93.3	1369		8.040764	
10	1	16	61.2			8.613501	
11	2	16	63.1	1248		9.746793	
12	2	16	65.5	1311		10.623194	
13	2	16	82	1729		11.785462	

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	67.6	1916		0.117085	
1	2	6	75	1338		1.825362	
2	2	6	60.3	1359		2.284989	
3	1	6	91.5			3.658235	
4	3	6	65.6	1827	1287	4.16716	
5	2	6	74	1599		5.426962	
6	3	6	59	1223	1889	6.151215	1
7	2	6	67.4	1434		7.22007	
8	1	6	74.7			7.698874	
9	2	6	89.9	1841		8.784382	
10	3	6	86.1	1046	1750	9.634453	
11	2	6	62.5	1818		10.39763	
12	1	6	82.7			11.877951	

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	7	99.4			0.082992	
1	3	7	87.8	1241	1003	2.179483	
2	2	7	83.6	1675		2.674437	
3	1	7	74.9			4.535214	
4	1	7	95			6.603286	1
5	3	7	59.8	1433	1210	7.621991	
6	2	7	75.9	1338		9.125982	
7	2	7	53.8	1852		9.963796	
8	2	7	94.7	1466		11.189323	

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	84.7	1847		0.707897	
1	2	11	95.4	1948		1.967588	
2	3	11	82.9	1529	1483	3.155791	
3	1	11	92.5			4.308707	
4	2	11	92.1	1639		5.214623	
5	2	11	66.5	1324		6.753158	1
6	2	11	78.4	1269		7.831628	
7	2	11	86	1884		8.835672	
8	3	11	69.2	1282	1188	10.602415	
9	2	11	82.1	1655		11.980668	

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	10	73.5			1.318139	
1	1	10	96.1			2.205903	
2	3	10	77.8	1996	1480	4.431071	
3	2	10	88.6	1021		4.777805	0
4	2	10	92.8	1031		6.41848	
5	3	10	77.4	1077	1793	7.504355	
6	1	10	63.7			10.495321	
7	2	10	80.2	1547		11.578621	

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	57.3	1050		0.108461	
1	2	9	51.6	1117		1.066606	
2	1	9	73.1			2.052686	
3	1	9	92.1			3.377401	
4	2	9	64.5	1850		3.661889	
5	2	9	93.4	1408		4.760664	
6	2	9	57.2	1347		5.749102	1
7	2	9	89.2	1235		6.611437	
8	2	9	64	1437		7.117231	
9	2	9	63.9	1013		8.242334	
10	2	9	54	1220		9.035722	
11	3	9	97.6	1006	1118	9.741053	
12	2	9	78.5	1519		11.134038	
13	2	9	69.8	1156		11.240314	

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	60.7	1184		0.569193	
1	2	7	62.1	1268		1.251626	
2	2	7	51.9	1956		1.905052	
3	3	7	91.7	1940	1804	2.618963	
4	2	7	66.3	1553		4.190328	
5	3	7	56.6	1344	1792	4.70449	
6	2	7	94.1	1376		5.397677	
7	2	7	57.8	1917		6.394581	1
8	1	7	57.5			7.354754	
9	1	7	74.6			8.194629	
10	2	7	57	1561		8.729293	
11	3	7	54.1	1940	1766	9.75615	
12	2	7	58.6	1803		10.93648	
13	3	7	80	1656	1355	11.497048	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	68.4	1644		0.38085	
1	2	10	74.8	1772		1.068918	
2	2	10	52.3	1856		1.342975	
3	2	10	78.1	1059		2.08536	
4	2	10	95.3	1833		2.683867	
5	2	10	58.8	1834		3.69968	
6	1	10	93.2			4.339208	
7	1	10	58.7			4.956572	
8	2	10	59.1	1112		5.552098	
9	2	10	86.8	1545		5.927433	1
10	3	10	87.5	1993	1449	6.75118	
11	1	10	59.6			7.415108	
12	3	10	88	1173	1804	8.159101	
13	3	10	61	1188	1771	8.359651	
14	1	10	96.4			9.26608	
15	2	10	98.9	1080		9.955758	
16	2	10	67.2	1828		10.286585	
17	1	10	88.3			10.754925	
18	2	10	67.2	1452		11.470411	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	57.2	1999		0.121496	
1	2	11	98.2	1221		1.2608	
2	2	11	73.7	1117		2.144484	
3	3	11	80.1	1793	1836	3.079168	
4	1	11	70.2			3.58412	
5	2	11	52.2	1137		4.246476	
6	2	11	59.4	1510		5.446427	
7	3	11	94.3	1024	1976	6.138817	1
8	3	11	93.5	1631	1855	6.739011	
9	2	11	94.9	1653		7.253354	
10	3	11	74.9	1107	1510	8.625637	
11	1	11	95.3			9.549299	
12	3	11	53.8	1933	1892	9.903108	
13	2	11	95.1	1407		10.870834	
14	3	11	94.5	1365	1788	11.34854	

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	16	77.6	1013	1552	0.331307	
1	3	16	62	1203	1861	1.065968	
2	3	16	53.7	1924	1505	1.759349	
3	2	16	91.4	1074		2.461296	
4	2	16	93.4	1046		3.669598	
5	2	16	73.9	1458		4.24654	
6	2	16	79.2	1173		4.915247	
7	2	16	58.3	1593		5.34885	
8	2	16	72.9	1288		6.617657	1
9	1	16	70.7			6.799396	
10	1	16	75.6			8.212402	
11	3	16	87.2	1885	1597	8.749397	
12	2	16	50.2	1178		9.008323	
13	2	16	63.3	1847		10.177507	
14	2	16	51.3	1981		10.691923	
15	1	16	73.8			11.888174	

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	19	61.4	1881		0.287646	
1	2	19	72.7	1156		1.691547	
2	3	19	58.6	1300	1140	2.922888	
3	2	19	55.7	1606		3.831299	
4	3	19	54.3	1702	1969	4.928014	
5	2	19	64.4	1367		6.203115	1
6	3	19	91.6	1809	1955	6.998326	
7	2	19	54.6	1516		8.173243	
8	2	19	77.2	1732		9.355624	
9	2	19	83	1718		10.679659	
10	2	19	52	1534		11.417126	

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	15	71.6			0.54112	
1	1	15	68.4			1.870188	
2	3	15	88.4	1388	1671	2.656685	
3	3	15	87.5	1403	1964	3.639054	
4	3	15	72.3	1152	1871	4.627598	
5	2	15	53.7	1409		5.281485	1
6	2	15	73.6	1176		6.4272	
7	2	15	82.9	1755		7.583453	
8	1	15	73.6			8.975492	
9	2	15	98.8	1448		9.016332	
10	1	15	77.5			10.578862	
11	1	15	67.4			11.246738	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	92.5	1333	1889	0.304044	
1	3	15	75.1	1161	1749	1.024482	
2	2	15	79.8	1559		1.573757	
3	2	15	95.9	1626		2.575849	
4	1	15	77.5			3.321324	
5	2	15	89.5	1194		3.589878	
6	2	15	53.5	1774		4.421515	
7	1	15	62.1			5.062219	
8	3	15	77.4	1067	1406	5.725981	
9	2	15	51	1161		6.442054	1
10	3	15	73.8	1891	1637	7.070647	
11	2	15	58.2	1811		7.82302	
12	1	15	86.4			8.04624	
13	2	15	78.4	1569		9.110931	
14	2	15	75.8	1110		9.476542	
15	2	15	63.8	1861		10.631329	
16	2	15	78.2	1517		10.897689	
17	2	15	53.3	1449		11.477818	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5290	9	1	333	1	5714.0, 5460.0, 5251.0, 5316.0, 5315.0, 5526.0, 5545.0, 5717.0, 5723.0, 5694.0, 5552.0, 5690.0, 5504.0, 5612.0, 5451.0, 5534.0, 5265.0, 5663.0, 5559.0, 5575.0, 5438.0, 5373.0, 5556.0, 5516.0, 5407.0, 5685.0, 5264.0, 5298.0, 5629.0, 5700.0, 5720.0, 5538.0, 5568.0, 5325.0, 5399.0, 5281.0, 5254.0, 5682.0, 5500.0, 5385.0, 5478.0, 5326.0, 5627.0, 5309.0, 5359.0, 5351.0, 5633.0, 5452.0, 5362.0, 5691.0, 5371.0, 5272.0, 5656.0, 5680.0, 5302.0, 5334.0, 5715.0, 5453.0, 5514.0, 5458.0, 5482.0, 5543.0, 5520.0, 5555.0, 5259.0, 5502.0, 5558.0, 5573.0, 5716.0, 5318.0, 5364.0, 5660.0, 5395.0, 5671.0, 5280.0, 5377.0, 5450.0, 5468.0, 5668.0, 5305.0, 5352.0, 5363.0, 5624.0, 5706.0, 5625.0, 5616.0, 5341.0, 5486.0, 5425.0, 5412.0, 5475.0, 5253.0, 5260.0, 5467.0, 5445.0, 5271.0, 5525.0, 5645.0, 5481.0, 5632.0 (number of hits: 20)
2	5290	9	1	333	1	5380.0, 5281.0, 5521.0, 5531.0, 5569.0, 5364.0, 5479.0, 5480.0, 5493.0, 5483.0, 5506.0, 5280.0, 5476.0, 5287.0, 5529.0, 5648.0, 5617.0, 5612.0, 5525.0, 5663.0, 5358.0, 5696.0, 5300.0, 5329.0, 5411.0, 5615.0, 5311.0, 5399.0, 5304.0, 5692.0, 5621.0, 5528.0, 5368.0, 5627.0, 5333.0, 5454.0, 5643.0, 5362.0, 5439.0, 5490.0, 5722.0, 5684.0, 5423.0, 5494.0, 5404.0, 5467.0, 5644.0, 5272.0, 5666.0, 5580.0, 5267.0, 5255.0, 5322.0, 5463.0, 5604.0, 5522.0, 5297.0, 5670.0, 5513.0, 5495.0, 5511.0, 5296.0, 5274.0, 5291.0, 5504.0, 5359.0, 5562.0, 5558.0, 5344.0, 5575.0, 5547.0, 5559.0, 5302.0, 5354.0, 5577.0, 5314.0, 5440.0, 5645.0, 5606.0, 5694.0, 5270.0, 5602.0, 5429.0, 5340.0, 5258.0, 5640.0, 5671.0, 5298.0, 5367.0, 5356.0, 5713.0, 5410.0, 5524.0, 5588.0, 5408.0, 5332.0, 5268.0, 5496.0, 5701.0, 5641.0 (number of hits: 21)
3	5290	9	1	333	1	5305.0, 5485.0, 5567.0, 5632.0, 5356.0, 5653.0, 5393.0, 5429.0, 5330.0, 5629.0, 5322.0, 5514.0, 5639.0, 5466.0, 5469.0, 5645.0, 5458.0, 5286.0, 5370.0, 5633.0, 5515.0, 5529.0, 5422.0, 5383.0, 5707.0, 5611.0, 5582.0, 5454.0, 5309.0, 5347.0, 5524.0, 5381.0, 5254.0, 5453.0, 5723.0, 5679.0, 5359.0, 5364.0, 5335.0, 5481.0, 5380.0, 5688.0, 5721.0, 5375.0, 5379.0, 5446.0, 5465.0, 5677.0, 5431.0, 5251.0, 5346.0, 5336.0, 5565.0, 5310.0, 5491.0,

						5411.0, 5522.0, 5587.0, 5358.0, 5267.0, 5460.0, 5352.0, 5426.0, 5361.0, 5496.0, 5609.0, 5503.0, 5377.0, 5328.0, 5402.0, 5271.0, 5459.0, 5599.0, 5598.0, 5281.0, 5483.0, 5329.0, 5388.0, 5647.0, 5462.0, 5516.0, 5655.0, 5528.0, 5284.0, 5570.0, 5382.0, 5641.0, 5698.0, 5478.0, 5323.0, 5625.0, 5548.0, 5683.0, 5648.0, 5384.0, 5540.0, 5538.0, 5513.0, 5720.0, 5430.0 (number of hits: 14)
4	5290	9	1	333	1	5296.0, 5635.0, 5468.0, 5620.0, 5651.0, 5262.0, 5478.0, 5710.0, 5593.0, 5387.0, 5715.0, 5698.0, 5677.0, 5287.0, 5646.0, 5403.0, 5345.0, 5713.0, 5366.0, 5587.0, 5316.0, 5326.0, 5678.0, 5382.0, 5639.0, 5483.0, 5419.0, 5690.0, 5361.0, 5443.0, 5331.0, 5548.0, 5254.0, 5609.0, 5650.0, 5418.0, 5615.0, 5394.0, 5479.0, 5461.0, 5410.0, 5597.0, 5618.0, 5687.0, 5561.0, 5318.0, 5484.0, 5407.0, 5576.0, 5663.0, 5543.0, 5506.0, 5391.0, 5515.0, 5553.0, 5374.0, 5476.0, 5341.0, 5445.0, 5592.0, 5657.0, 5450.0, 5544.0, 5472.0, 5378.0, 5431.0, 5574.0, 5638.0, 5708.0, 5372.0, 5291.0, 5261.0, 5624.0, 5530.0, 5533.0, 5457.0, 5300.0, 5251.0, 5542.0, 5659.0, 5390.0, 5440.0, 5596.0, 5717.0, 5529.0, 5691.0, 5562.0, 5444.0, 5385.0, 5673.0, 5452.0, 5352.0, 5547.0, 5695.0, 5360.0, 5600.0, 5674.0, 5397.0, 5601.0, 5330.0 (number of hits: 11)
5	5290	9	1	333	1	5560.0, 5474.0, 5533.0, 5442.0, 5582.0, 5293.0, 5519.0, 5562.0, 5529.0, 5502.0, 5477.0, 5412.0, 5319.0, 5655.0, 5475.0, 5318.0, 5521.0, 5294.0, 5332.0, 5393.0, 5564.0, 5539.0, 5337.0, 5691.0, 5669.0, 5316.0, 5361.0, 5548.0, 5587.0, 5585.0, 5645.0, 5310.0, 5722.0, 5557.0, 5254.0, 5333.0, 5597.0, 5369.0, 5428.0, 5480.0, 5252.0, 5253.0, 5679.0, 5478.0, 5517.0, 5416.0, 5647.0, 5417.0, 5277.0, 5541.0, 5508.0, 5427.0, 5390.0, 5391.0, 5641.0, 5324.0, 5329.0, 5559.0, 5311.0, 5672.0, 5256.0, 5262.0, 5720.0, 5479.0, 5522.0, 5623.0, 5347.0, 5554.0, 5455.0, 5429.0, 5551.0, 5634.0, 5269.0, 5395.0, 5678.0, 5652.0, 5423.0, 5572.0, 5520.0, 5342.0, 5308.0, 5263.0, 5452.0, 5467.0, 5415.0, 5410.0, 5580.0, 5499.0, 5323.0, 5721.0, 5704.0, 5376.0, 5695.0, 5382.0, 5505.0, 5359.0, 5363.0, 5570.0, 5677.0, 5635.0 (number of hits: 19)
6	5290	9	1	333	1	5543.0, 5409.0, 5694.0, 5517.0, 5666.0, 5277.0, 5255.0, 5375.0, 5544.0, 5711.0, 5686.0, 5523.0, 5287.0, 5300.0, 5566.0, 5479.0, 5416.0, 5567.0, 5385.0, 5433.0, 5334.0, 5525.0, 5400.0, 5399.0, 5530.0, 5487.0, 5402.0, 5641.0, 5491.0, 5623.0, 5656.0, 5311.0, 5263.0, 5614.0, 5412.0,

						5389.0, 5673.0, 5401.0, 5589.0, 5345.0, 5655.0, 5299.0, 5672.0, 5462.0, 5542.0, 5604.0, 5387.0, 5642.0, 5649.0, 5698.0, 5344.0, 5259.0, 5364.0, 5268.0, 5337.0, 5386.0, 5502.0, 5346.0, 5602.0, 5588.0, 5611.0, 5437.0, 5608.0, 5312.0, 5701.0, 5706.0, 5474.0, 5629.0, 5366.0, 5308.0, 5646.0, 5562.0, 5688.0, 5251.0, 5568.0, 5565.0, 5578.0, 5592.0, 5275.0, 5563.0, 5693.0, 5620.0, 5609.0, 5316.0, 5377.0, 5630.0, 5667.0, 5351.0, 5685.0, 5329.0, 5391.0, 5584.0, 5554.0, 5617.0, 5322.0, 5709.0, 5276.0, 5295.0, 5478.0, 5612.0 (number of hits: 18)
7	5290	9	1	333	1	5325.0, 5427.0, 5634.0, 5694.0, 5285.0, 5426.0, 5696.0, 5438.0, 5332.0, 5266.0, 5513.0, 5267.0, 5353.0, 5274.0, 5561.0, 5623.0, 5717.0, 5271.0, 5568.0, 5597.0, 5291.0, 5466.0, 5333.0, 5533.0, 5384.0, 5331.0, 5695.0, 5582.0, 5525.0, 5544.0, 5715.0, 5684.0, 5699.0, 5642.0, 5456.0, 5276.0, 5280.0, 5360.0, 5310.0, 5339.0, 5522.0, 5633.0, 5481.0, 5313.0, 5321.0, 5412.0, 5260.0, 5334.0, 5388.0, 5365.0, 5550.0, 5433.0, 5615.0, 5363.0, 5692.0, 5621.0, 5601.0, 5636.0, 5273.0, 5475.0, 5611.0, 5417.0, 5385.0, 5635.0, 5594.0, 5719.0, 5483.0, 5279.0, 5639.0, 5407.0, 5435.0, 5344.0, 5663.0, 5319.0, 5315.0, 5366.0, 5357.0, 5316.0, 5627.0, 5673.0, 5454.0, 5530.0, 5578.0, 5576.0, 5649.0, 5702.0, 5723.0, 5656.0, 5572.0, 5495.0, 5646.0, 5499.0, 5693.0, 5641.0, 5713.0, 5335.0, 5581.0, 5340.0, 5704.0, 5523.0 (number of hits: 18)
8	5290	9	1	333	1	5263.0, 5284.0, 5636.0, 5565.0, 5318.0, 5476.0, 5354.0, 5557.0, 5600.0, 5404.0, 5568.0, 5698.0, 5488.0, 5669.0, 5474.0, 5291.0, 5286.0, 5549.0, 5625.0, 5321.0, 5558.0, 5649.0, 5650.0, 5448.0, 5582.0, 5300.0, 5471.0, 5499.0, 5353.0, 5253.0, 5357.0, 5400.0, 5418.0, 5306.0, 5687.0, 5424.0, 5679.0, 5596.0, 5384.0, 5608.0, 5266.0, 5480.0, 5319.0, 5564.0, 5716.0, 5330.0, 5525.0, 5586.0, 5417.0, 5393.0, 5689.0, 5666.0, 5553.0, 5305.0, 5631.0, 5656.0, 5497.0, 5298.0, 5301.0, 5519.0, 5390.0, 5254.0, 5490.0, 5396.0, 5567.0, 5521.0, 5563.0, 5543.0, 5365.0, 5258.0, 5630.0, 5500.0, 5456.0, 5473.0, 5682.0, 5376.0, 5509.0, 5447.0, 5375.0, 5331.0, 5370.0, 5648.0, 5544.0, 5662.0, 5374.0, 5709.0, 5430.0, 5294.0, 5295.0, 5486.0, 5667.0, 5629.0, 5420.0, 5507.0, 5310.0, 5464.0, 5695.0, 5683.0, 5627.0, 5455.0 (number of hits: 19)
9	5290	9	1	333	1	5521.0, 5391.0, 5336.0, 5416.0, 5353.0, 5699.0, 5434.0, 5338.0, 5576.0, 5470.0, 5584.0, 5517.0, 5345.0, 5600.0, 5275.0,

						5270.0, 5406.0, 5464.0, 5350.0, 5693.0, 5691.0, 5630.0, 5615.0, 5294.0, 5433.0, 5363.0, 5494.0, 5536.0, 5276.0, 5525.0, 5638.0, 5287.0, 5665.0, 5449.0, 5687.0, 5333.0, 5399.0, 5533.0, 5393.0, 5566.0, 5385.0, 5636.0, 5683.0, 5279.0, 5365.0, 5480.0, 5262.0, 5612.0, 5291.0, 5329.0, 5425.0, 5302.0, 5437.0, 5695.0, 5274.0, 5558.0, 5706.0, 5346.0, 5255.0, 5372.0, 5264.0, 5374.0, 5625.0, 5332.0, 5440.0, 5633.0, 5667.0, 5574.0, 5369.0, 5620.0, 5317.0, 5652.0, 5284.0, 5451.0, 5260.0, 5479.0, 5704.0, 5257.0, 5553.0, 5684.0, 5318.0, 5547.0, 5542.0, 5594.0, 5436.0, 5712.0, 5411.0, 5578.0, 5463.0, 5292.0, 5469.0, 5483.0, 5435.0, 5487.0, 5671.0, 5409.0, 5320.0, 5632.0, 5263.0, 5351.0 (number of hits: 21)
10	5290	9	1	333	1	5542.0, 5571.0, 5456.0, 5700.0, 5615.0, 5369.0, 5630.0, 5346.0, 5485.0, 5286.0, 5579.0, 5424.0, 5616.0, 5477.0, 5464.0, 5487.0, 5527.0, 5576.0, 5610.0, 5614.0, 5718.0, 5658.0, 5298.0, 5520.0, 5709.0, 5501.0, 5719.0, 5692.0, 5523.0, 5330.0, 5678.0, 5449.0, 5260.0, 5337.0, 5314.0, 5490.0, 5383.0, 5543.0, 5562.0, 5597.0, 5533.0, 5254.0, 5386.0, 5281.0, 5622.0, 5521.0, 5647.0, 5307.0, 5442.0, 5403.0, 5282.0, 5635.0, 5460.0, 5704.0, 5573.0, 5255.0, 5465.0, 5376.0, 5455.0, 5317.0, 5453.0, 5283.0, 5557.0, 5641.0, 5672.0, 5264.0, 5293.0, 5723.0, 5306.0, 5392.0, 5500.0, 5372.0, 5539.0, 5498.0, 5365.0, 5338.0, 5271.0, 5607.0, 5653.0, 5528.0, 5342.0, 5548.0, 5580.0, 5625.0, 5287.0, 5624.0, 5427.0, 5605.0, 5594.0, 5289.0, 5278.0, 5592.0, 5445.0, 5452.0, 5603.0, 5335.0, 5494.0, 5250.0, 5661.0, 5596.0 (number of hits: 19)
11	5290	9	1	333	1	5369.0, 5440.0, 5375.0, 5556.0, 5349.0, 5601.0, 5400.0, 5426.0, 5334.0, 5312.0, 5365.0, 5667.0, 5501.0, 5561.0, 5261.0, 5413.0, 5560.0, 5593.0, 5439.0, 5516.0, 5255.0, 5300.0, 5356.0, 5582.0, 5527.0, 5509.0, 5283.0, 5622.0, 5678.0, 5391.0, 5523.0, 5583.0, 5311.0, 5315.0, 5688.0, 5595.0, 5680.0, 5575.0, 5454.0, 5569.0, 5668.0, 5449.0, 5720.0, 5589.0, 5615.0, 5270.0, 5706.0, 5623.0, 5606.0, 5357.0, 5477.0, 5650.0, 5625.0, 5519.0, 5476.0, 5475.0, 5387.0, 5540.0, 5653.0, 5496.0, 5518.0, 5351.0, 5329.0, 5280.0, 5594.0, 5602.0, 5268.0, 5605.0, 5251.0, 5547.0, 5464.0, 5393.0, 5389.0, 5420.0, 5551.0, 5376.0, 5598.0, 5442.0, 5385.0, 5308.0, 5655.0, 5304.0, 5285.0, 5634.0, 5644.0, 5554.0, 5383.0, 5652.0, 5532.0, 5572.0, 5642.0, 5328.0, 5520.0, 5417.0, 5698.0, 5471.0, 5296.0, 5714.0, 5531.0, 5722.0

						(number of hits: 17)
12	5290	9	1	333	1	5345.0, 5664.0, 5679.0, 5312.0, 5393.0, 5558.0, 5519.0, 5368.0, 5351.0, 5265.0, 5363.0, 5284.0, 5396.0, 5333.0, 5550.0, 5379.0, 5596.0, 5347.0, 5323.0, 5468.0, 5549.0, 5670.0, 5601.0, 5623.0, 5521.0, 5527.0, 5586.0, 5433.0, 5470.0, 5723.0, 5306.0, 5502.0, 5631.0, 5491.0, 5630.0, 5485.0, 5610.0, 5518.0, 5469.0, 5254.0, 5595.0, 5646.0, 5534.0, 5492.0, 5600.0, 5653.0, 5583.0, 5341.0, 5453.0, 5395.0, 5626.0, 5420.0, 5684.0, 5697.0, 5463.0, 5513.0, 5635.0, 5717.0, 5319.0, 5262.0, 5561.0, 5667.0, 5677.0, 5499.0, 5311.0, 5421.0, 5437.0, 5628.0, 5661.0, 5478.0, 5459.0, 5291.0, 5480.0, 5364.0, 5409.0, 5636.0, 5274.0, 5590.0, 5424.0, 5272.0, 5400.0, 5281.0, 5353.0, 5451.0, 5613.0, 5524.0, 5505.0, 5414.0, 5594.0, 5302.0, 5439.0, 5465.0, 5716.0, 5652.0, 5303.0, 5296.0, 5657.0, 5562.0, 5425.0, 5340.0
						(number of hits: 16)
13	5290	9	1	333	1	5426.0, 5351.0, 5381.0, 5405.0, 5333.0, 5287.0, 5608.0, 5647.0, 5497.0, 5281.0, 5317.0, 5582.0, 5644.0, 5382.0, 5435.0, 5289.0, 5461.0, 5538.0, 5599.0, 5328.0, 5622.0, 5695.0, 5253.0, 5411.0, 5379.0, 5456.0, 5401.0, 5492.0, 5687.0, 5603.0, 5677.0, 5532.0, 5372.0, 5488.0, 5714.0, 5337.0, 5541.0, 5539.0, 5652.0, 5720.0, 5654.0, 5508.0, 5498.0, 5312.0, 5579.0, 5443.0, 5715.0, 5256.0, 5402.0, 5613.0, 5683.0, 5712.0, 5545.0, 5458.0, 5614.0, 5551.0, 5396.0, 5633.0, 5623.0, 5297.0, 5336.0, 5323.0, 5457.0, 5645.0, 5664.0, 5594.0, 5367.0, 5319.0, 5501.0, 5685.0, 5678.0, 5518.0, 5421.0, 5485.0, 5628.0, 5486.0, 5615.0, 5706.0, 5580.0, 5620.0, 5690.0, 5528.0, 5419.0, 5251.0, 5536.0, 5517.0, 5387.0, 5578.0, 5636.0, 5511.0, 5473.0, 5554.0, 5392.0, 5646.0, 5362.0, 5624.0, 5450.0, 5384.0, 5716.0, 5559.0
						(number of hits: 12)
14	5290	9	1	333	1	5506.0, 5304.0, 5574.0, 5295.0, 5655.0, 5531.0, 5662.0, 5275.0, 5312.0, 5398.0, 5719.0, 5647.0, 5380.0, 5616.0, 5367.0, 5549.0, 5356.0, 5348.0, 5387.0, 5618.0, 5311.0, 5587.0, 5483.0, 5705.0, 5288.0, 5369.0, 5648.0, 5661.0, 5720.0, 5537.0, 5603.0, 5505.0, 5341.0, 5297.0, 5665.0, 5416.0, 5545.0, 5601.0, 5656.0, 5474.0, 5711.0, 5260.0, 5629.0, 5534.0, 5328.0, 5332.0, 5318.0, 5540.0, 5324.0, 5619.0, 5500.0, 5522.0, 5358.0, 5379.0, 5302.0, 5605.0, 5280.0, 5329.0, 5707.0, 5421.0, 5594.0, 5255.0, 5477.0, 5525.0, 5419.0, 5604.0, 5396.0, 5516.0, 5696.0, 5690.0, 5290.0, 5272.0, 5496.0, 5595.0, 5481.0, 5448.0, 5286.0, 5406.0, 5620.0, 5340.0,

						5703.0, 5624.0, 5575.0, 5652.0, 5691.0, 5308.0, 5395.0, 5504.0, 5381.0, 5539.0, 5444.0, 5320.0, 5442.0, 5717.0, 5667.0, 5309.0, 5322.0, 5576.0, 5676.0, 5489.0 (number of hits: 22)
15	5290	9	1	333	1	5265.0, 5488.0, 5542.0, 5589.0, 5673.0, 5695.0, 5282.0, 5650.0, 5668.0, 5688.0, 5522.0, 5274.0, 5464.0, 5552.0, 5395.0, 5640.0, 5449.0, 5477.0, 5497.0, 5296.0, 5540.0, 5721.0, 5329.0, 5598.0, 5387.0, 5696.0, 5448.0, 5512.0, 5661.0, 5544.0, 5388.0, 5592.0, 5597.0, 5491.0, 5306.0, 5693.0, 5486.0, 5430.0, 5371.0, 5631.0, 5346.0, 5361.0, 5312.0, 5587.0, 5369.0, 5571.0, 5393.0, 5261.0, 5700.0, 5262.0, 5499.0, 5421.0, 5615.0, 5469.0, 5629.0, 5352.0, 5614.0, 5446.0, 5377.0, 5266.0, 5545.0, 5694.0, 5680.0, 5507.0, 5641.0, 5343.0, 5607.0, 5435.0, 5685.0, 5558.0, 5586.0, 5649.0, 5683.0, 5322.0, 5710.0, 5684.0, 5509.0, 5536.0, 5511.0, 5573.0, 5426.0, 5538.0, 5368.0, 5348.0, 5443.0, 5574.0, 5568.0, 5706.0, 5417.0, 5468.0, 5632.0, 5519.0, 5476.0, 5472.0, 5323.0, 5357.0, 5363.0, 5501.0, 5267.0, 5654.0 (number of hits: 13)
16	5290	9	1	333	1	5583.0, 5595.0, 5619.0, 5452.0, 5387.0, 5463.0, 5604.0, 5416.0, 5483.0, 5341.0, 5284.0, 5621.0, 5613.0, 5471.0, 5445.0, 5597.0, 5350.0, 5717.0, 5611.0, 5255.0, 5320.0, 5581.0, 5448.0, 5569.0, 5422.0, 5714.0, 5412.0, 5370.0, 5491.0, 5532.0, 5362.0, 5541.0, 5629.0, 5461.0, 5534.0, 5706.0, 5288.0, 5698.0, 5675.0, 5513.0, 5436.0, 5334.0, 5283.0, 5277.0, 5383.0, 5355.0, 5397.0, 5622.0, 5294.0, 5272.0, 5674.0, 5434.0, 5357.0, 5721.0, 5336.0, 5433.0, 5311.0, 5665.0, 5530.0, 5531.0, 5310.0, 5490.0, 5315.0, 5508.0, 5638.0, 5268.0, 5702.0, 5465.0, 5713.0, 5625.0, 5673.0, 5325.0, 5478.0, 5403.0, 5292.0, 5681.0, 5603.0, 5271.0, 5410.0, 5579.0, 5655.0, 5345.0, 5335.0, 5251.0, 5281.0, 5519.0, 5517.0, 5648.0, 5339.0, 5647.0, 5278.0, 5509.0, 5423.0, 5296.0, 5430.0, 5701.0, 5493.0, 5261.0, 5459.0, 5682.0 (number of hits: 20)
17	5290	9	1	333	1	5251.0, 5417.0, 5263.0, 5613.0, 5674.0, 5474.0, 5534.0, 5540.0, 5605.0, 5282.0, 5407.0, 5705.0, 5637.0, 5550.0, 5538.0, 5339.0, 5302.0, 5541.0, 5327.0, 5356.0, 5576.0, 5669.0, 5650.0, 5386.0, 5449.0, 5471.0, 5353.0, 5670.0, 5319.0, 5568.0, 5723.0, 5441.0, 5631.0, 5522.0, 5619.0, 5363.0, 5296.0, 5420.0, 5295.0, 5370.0, 5584.0, 5388.0, 5675.0, 5257.0, 5406.0, 5459.0, 5321.0, 5564.0, 5531.0, 5399.0, 5484.0, 5439.0, 5475.0, 5413.0, 5546.0, 5258.0, 5523.0, 5442.0, 5306.0, 5397.0,

						5434.0, 5699.0, 5628.0, 5642.0, 5624.0, 5712.0, 5487.0, 5511.0, 5635.0, 5358.0, 5547.0, 5596.0, 5494.0, 5467.0, 5695.0, 5515.0, 5653.0, 5663.0, 5599.0, 5514.0, 5273.0, 5328.0, 5428.0, 5436.0, 5455.0, 5585.0, 5400.0, 5598.0, 5450.0, 5608.0, 5677.0, 5443.0, 5500.0, 5676.0, 5333.0, 5376.0, 5697.0, 5645.0, 5579.0, 5566.0 (number of hits: 14)
18	5290	9	1	333	1	5610.0, 5378.0, 5712.0, 5422.0, 5270.0, 5609.0, 5630.0, 5505.0, 5418.0, 5285.0, 5280.0, 5544.0, 5338.0, 5409.0, 5637.0, 5256.0, 5309.0, 5705.0, 5581.0, 5459.0, 5436.0, 5670.0, 5498.0, 5456.0, 5646.0, 5487.0, 5362.0, 5489.0, 5695.0, 5447.0, 5485.0, 5556.0, 5363.0, 5351.0, 5369.0, 5537.0, 5588.0, 5641.0, 5706.0, 5510.0, 5724.0, 5389.0, 5273.0, 5359.0, 5717.0, 5333.0, 5405.0, 5642.0, 5425.0, 5348.0, 5393.0, 5669.0, 5372.0, 5513.0, 5411.0, 5390.0, 5388.0, 5307.0, 5443.0, 5531.0, 5631.0, 5623.0, 5424.0, 5332.0, 5559.0, 5457.0, 5386.0, 5598.0, 5452.0, 5465.0, 5252.0, 5690.0, 5654.0, 5462.0, 5543.0, 5375.0, 5455.0, 5477.0, 5475.0, 5536.0, 5584.0, 5707.0, 5308.0, 5518.0, 5656.0, 5330.0, 5681.0, 5490.0, 5277.0, 5421.0, 5567.0, 5284.0, 5602.0, 5572.0, 5260.0, 5677.0, 5257.0, 5294.0, 5715.0, 5600.0 (number of hits: 14)
19	5290	9	1	333	1	5422.0, 5636.0, 5490.0, 5469.0, 5381.0, 5667.0, 5426.0, 5285.0, 5580.0, 5305.0, 5361.0, 5710.0, 5684.0, 5429.0, 5525.0, 5692.0, 5254.0, 5420.0, 5515.0, 5457.0, 5492.0, 5575.0, 5463.0, 5344.0, 5579.0, 5502.0, 5252.0, 5379.0, 5298.0, 5535.0, 5403.0, 5357.0, 5641.0, 5350.0, 5653.0, 5683.0, 5538.0, 5695.0, 5475.0, 5661.0, 5353.0, 5258.0, 5425.0, 5662.0, 5378.0, 5500.0, 5414.0, 5622.0, 5628.0, 5624.0, 5606.0, 5454.0, 5559.0, 5654.0, 5634.0, 5346.0, 5309.0, 5410.0, 5270.0, 5332.0, 5547.0, 5358.0, 5561.0, 5382.0, 5508.0, 5419.0, 5447.0, 5289.0, 5708.0, 5461.0, 5362.0, 5347.0, 5256.0, 5509.0, 5651.0, 5569.0, 5316.0, 5524.0, 5283.0, 5334.0, 5339.0, 5574.0, 5555.0, 5506.0, 5355.0, 5593.0, 5478.0, 5560.0, 5519.0, 5696.0, 5257.0, 5630.0, 5563.0, 5301.0, 5300.0, 5292.0, 5359.0, 5707.0, 5625.0, 5319.0 (number of hits: 17)
20	5290	9	1	333	1	5271.0, 5595.0, 5360.0, 5724.0, 5444.0, 5303.0, 5478.0, 5691.0, 5451.0, 5330.0, 5648.0, 5438.0, 5322.0, 5428.0, 5496.0, 5610.0, 5587.0, 5450.0, 5660.0, 5470.0, 5472.0, 5693.0, 5665.0, 5353.0, 5709.0, 5423.0, 5475.0, 5422.0, 5673.0, 5527.0, 5649.0, 5689.0, 5671.0, 5270.0, 5295.0, 5294.0, 5466.0, 5440.0, 5533.0, 5267.0,

						5395.0, 5538.0, 5668.0, 5344.0, 5502.0, 5465.0, 5449.0, 5618.0, 5394.0, 5628.0, 5311.0, 5351.0, 5564.0, 5518.0, 5603.0, 5359.0, 5421.0, 5661.0, 5391.0, 5643.0, 5442.0, 5482.0, 5696.0, 5338.0, 5566.0, 5490.0, 5347.0, 5663.0, 5573.0, 5365.0, 5456.0, 5390.0, 5653.0, 5597.0, 5321.0, 5544.0, 5296.0, 5487.0, 5486.0, 5356.0, 5548.0, 5639.0, 5505.0, 5320.0, 5681.0, 5571.0, 5405.0, 5378.0, 5345.0, 5666.0, 5417.0, 5384.0, 5616.0, 5613.0, 5542.0, 5348.0, 5549.0, 5506.0, 5644.0, 5409.0 (number of hits: 11)
21	5290	9	1	333	1	5384.0, 5459.0, 5501.0, 5315.0, 5323.0, 5269.0, 5680.0, 5281.0, 5371.0, 5417.0, 5383.0, 5298.0, 5684.0, 5313.0, 5321.0, 5332.0, 5519.0, 5339.0, 5265.0, 5255.0, 5658.0, 5616.0, 5526.0, 5294.0, 5610.0, 5537.0, 5443.0, 5331.0, 5423.0, 5561.0, 5430.0, 5608.0, 5570.0, 5350.0, 5280.0, 5523.0, 5639.0, 5345.0, 5643.0, 5667.0, 5271.0, 5543.0, 5479.0, 5623.0, 5467.0, 5338.0, 5276.0, 5668.0, 5333.0, 5496.0, 5336.0, 5641.0, 5293.0, 5587.0, 5690.0, 5707.0, 5447.0, 5268.0, 5399.0, 5617.0, 5400.0, 5279.0, 5720.0, 5694.0, 5611.0, 5674.0, 5395.0, 5585.0, 5551.0, 5628.0, 5618.0, 5365.0, 5369.0, 5575.0, 5573.0, 5554.0, 5565.0, 5701.0, 5346.0, 5490.0, 5571.0, 5494.0, 5698.0, 5712.0, 5612.0, 5450.0, 5663.0, 5646.0, 5664.0, 5518.0, 5451.0, 5462.0, 5656.0, 5275.0, 5295.0, 5602.0, 5654.0, 5589.0, 5676.0, 5542.0 (number of hits: 18)
22	5290	9	1	333	1	5600.0, 5552.0, 5441.0, 5690.0, 5504.0, 5345.0, 5256.0, 5594.0, 5616.0, 5317.0, 5273.0, 5318.0, 5254.0, 5577.0, 5516.0, 5546.0, 5624.0, 5494.0, 5601.0, 5309.0, 5377.0, 5475.0, 5384.0, 5513.0, 5390.0, 5276.0, 5394.0, 5283.0, 5284.0, 5545.0, 5707.0, 5626.0, 5668.0, 5697.0, 5558.0, 5691.0, 5414.0, 5364.0, 5446.0, 5645.0, 5663.0, 5319.0, 5674.0, 5464.0, 5462.0, 5604.0, 5404.0, 5722.0, 5378.0, 5426.0, 5563.0, 5606.0, 5634.0, 5314.0, 5502.0, 5362.0, 5385.0, 5532.0, 5588.0, 5569.0, 5635.0, 5721.0, 5625.0, 5322.0, 5522.0, 5453.0, 5459.0, 5531.0, 5405.0, 5519.0, 5403.0, 5619.0, 5294.0, 5381.0, 5579.0, 5553.0, 5659.0, 5543.0, 5455.0, 5665.0, 5418.0, 5671.0, 5514.0, 5264.0, 5484.0, 5360.0, 5700.0, 5267.0, 5713.0, 5547.0, 5660.0, 5329.0, 5526.0, 5650.0, 5672.0, 5438.0, 5358.0, 5411.0, 5643.0, 5669.0 (number of hits: 16)
23	5290	9	1	333	1	5531.0, 5506.0, 5444.0, 5561.0, 5441.0, 5366.0, 5427.0, 5637.0, 5408.0, 5486.0, 5458.0, 5557.0, 5319.0, 5492.0, 5560.0, 5632.0, 5646.0, 5320.0, 5564.0, 5706.0,

						5570.0, 5361.0, 5263.0, 5722.0, 5663.0, 5677.0, 5282.0, 5490.0, 5652.0, 5633.0, 5442.0, 5356.0, 5338.0, 5406.0, 5666.0, 5585.0, 5393.0, 5456.0, 5697.0, 5682.0, 5695.0, 5329.0, 5309.0, 5389.0, 5634.0, 5422.0, 5350.0, 5255.0, 5440.0, 5548.0, 5334.0, 5299.0, 5643.0, 5711.0, 5402.0, 5281.0, 5387.0, 5383.0, 5272.0, 5460.0, 5715.0, 5536.0, 5487.0, 5589.0, 5721.0, 5478.0, 5678.0, 5377.0, 5434.0, 5552.0, 5264.0, 5649.0, 5301.0, 5622.0, 5696.0, 5367.0, 5628.0, 5534.0, 5473.0, 5530.0, 5423.0, 5314.0, 5331.0, 5324.0, 5280.0, 5551.0, 5388.0, 5690.0, 5315.0, 5475.0, 5397.0, 5415.0, 5662.0, 5621.0, 5684.0, 5316.0, 5437.0, 5625.0, 5605.0, 5596.0 (number of hits: 17)
24	5290	9	1	333	1	5343.0, 5383.0, 5291.0, 5541.0, 5387.0, 5271.0, 5350.0, 5447.0, 5543.0, 5422.0, 5636.0, 5469.0, 5487.0, 5376.0, 5465.0, 5669.0, 5310.0, 5460.0, 5670.0, 5498.0, 5499.0, 5639.0, 5564.0, 5332.0, 5643.0, 5553.0, 5407.0, 5382.0, 5521.0, 5536.0, 5380.0, 5389.0, 5258.0, 5491.0, 5322.0, 5603.0, 5570.0, 5649.0, 5596.0, 5518.0, 5400.0, 5279.0, 5573.0, 5664.0, 5693.0, 5480.0, 5691.0, 5449.0, 5549.0, 5609.0, 5585.0, 5682.0, 5514.0, 5658.0, 5336.0, 5453.0, 5282.0, 5392.0, 5673.0, 5618.0, 5427.0, 5386.0, 5365.0, 5335.0, 5366.0, 5657.0, 5697.0, 5255.0, 5292.0, 5423.0, 5283.0, 5461.0, 5684.0, 5696.0, 5554.0, 5266.0, 5478.0, 5504.0, 5689.0, 5273.0, 5522.0, 5287.0, 5519.0, 5577.0, 5582.0, 5524.0, 5412.0, 5587.0, 5489.0, 5253.0, 5614.0, 5565.0, 5525.0, 5661.0, 5535.0, 5494.0, 5345.0, 5706.0, 5464.0, 5385.0 (number of hits: 14)
25	5290	9	1	333	1	5718.0, 5381.0, 5594.0, 5689.0, 5502.0, 5540.0, 5709.0, 5527.0, 5523.0, 5701.0, 5367.0, 5412.0, 5376.0, 5526.0, 5566.0, 5678.0, 5306.0, 5714.0, 5549.0, 5600.0, 5503.0, 5541.0, 5275.0, 5305.0, 5467.0, 5519.0, 5365.0, 5486.0, 5373.0, 5640.0, 5314.0, 5419.0, 5606.0, 5475.0, 5711.0, 5665.0, 5460.0, 5659.0, 5601.0, 5430.0, 5644.0, 5693.0, 5609.0, 5612.0, 5382.0, 5370.0, 5455.0, 5613.0, 5660.0, 5384.0, 5621.0, 5316.0, 5520.0, 5372.0, 5494.0, 5321.0, 5487.0, 5450.0, 5369.0, 5267.0, 5406.0, 5588.0, 5427.0, 5544.0, 5684.0, 5466.0, 5626.0, 5593.0, 5318.0, 5459.0, 5338.0, 5313.0, 5285.0, 5378.0, 5580.0, 5530.0, 5651.0, 5445.0, 5669.0, 5280.0, 5536.0, 5587.0, 5334.0, 5545.0, 5562.0, 5518.0, 5473.0, 5320.0, 5686.0, 5403.0, 5405.0, 5692.0, 5269.0, 5471.0, 5630.0, 5563.0, 5611.0, 5307.0, 5581.0, 5401.0 (number of hits: 14)

26	5290	9	1	333	1	5281.0, 5721.0, 5308.0, 5405.0, 5620.0, 5657.0, 5304.0, 5521.0, 5264.0, 5359.0, 5474.0, 5447.0, 5697.0, 5550.0, 5398.0, 5539.0, 5551.0, 5491.0, 5604.0, 5518.0, 5424.0, 5413.0, 5261.0, 5294.0, 5419.0, 5683.0, 5691.0, 5327.0, 5649.0, 5671.0, 5619.0, 5646.0, 5617.0, 5538.0, 5430.0, 5309.0, 5255.0, 5337.0, 5543.0, 5645.0, 5567.0, 5662.0, 5574.0, 5648.0, 5715.0, 5321.0, 5279.0, 5336.0, 5499.0, 5312.0, 5606.0, 5601.0, 5316.0, 5403.0, 5412.0, 5559.0, 5650.0, 5622.0, 5629.0, 5614.0, 5568.0, 5340.0, 5325.0, 5542.0, 5435.0, 5385.0, 5618.0, 5438.0, 5624.0, 5344.0, 5273.0, 5506.0, 5289.0, 5720.0, 5401.0, 5635.0, 5378.0, 5332.0, 5496.0, 5513.0, 5488.0, 5714.0, 5358.0, 5693.0, 5580.0, 5578.0, 5588.0, 5355.0, 5501.0, 5375.0, 5272.0, 5534.0, 5368.0, 5514.0, 5631.0, 5319.0, 5665.0, 5329.0, 5448.0, 5293.0 (number of hits: 20)
27	5290	9	1	333	1	5414.0, 5567.0, 5508.0, 5388.0, 5393.0, 5543.0, 5493.0, 5265.0, 5405.0, 5446.0, 5370.0, 5364.0, 5670.0, 5338.0, 5716.0, 5348.0, 5386.0, 5412.0, 5583.0, 5499.0, 5568.0, 5631.0, 5316.0, 5693.0, 5340.0, 5550.0, 5652.0, 5411.0, 5271.0, 5714.0, 5445.0, 5689.0, 5613.0, 5682.0, 5464.0, 5611.0, 5266.0, 5440.0, 5496.0, 5353.0, 5390.0, 5546.0, 5484.0, 5473.0, 5524.0, 5312.0, 5371.0, 5506.0, 5560.0, 5430.0, 5341.0, 5394.0, 5657.0, 5308.0, 5314.0, 5471.0, 5368.0, 5702.0, 5435.0, 5721.0, 5269.0, 5324.0, 5427.0, 5472.0, 5344.0, 5536.0, 5468.0, 5502.0, 5647.0, 5603.0, 5433.0, 5354.0, 5570.0, 5418.0, 5574.0, 5383.0, 5456.0, 5563.0, 5376.0, 5512.0, 5580.0, 5382.0, 5345.0, 5572.0, 5253.0, 5517.0, 5678.0, 5451.0, 5452.0, 5549.0, 5480.0, 5380.0, 5362.0, 5358.0, 5696.0, 5717.0, 5720.0, 5415.0, 5643.0, 5485.0 (number of hits: 10)
28	5290	9	1	333	1	5682.0, 5699.0, 5602.0, 5654.0, 5497.0, 5300.0, 5297.0, 5492.0, 5406.0, 5592.0, 5360.0, 5499.0, 5291.0, 5652.0, 5333.0, 5374.0, 5488.0, 5560.0, 5441.0, 5403.0, 5680.0, 5285.0, 5390.0, 5292.0, 5472.0, 5722.0, 5409.0, 5327.0, 5561.0, 5666.0, 5484.0, 5621.0, 5437.0, 5715.0, 5411.0, 5253.0, 5689.0, 5381.0, 5277.0, 5596.0, 5723.0, 5678.0, 5626.0, 5384.0, 5703.0, 5645.0, 5511.0, 5402.0, 5354.0, 5322.0, 5446.0, 5284.0, 5478.0, 5566.0, 5372.0, 5498.0, 5370.0, 5526.0, 5628.0, 5454.0, 5459.0, 5537.0, 5669.0, 5396.0, 5653.0, 5515.0, 5701.0, 5597.0, 5574.0, 5380.0, 5416.0, 5347.0, 5545.0, 5598.0, 5449.0, 5688.0, 5493.0, 5460.0, 5463.0, 5451.0, 5707.0, 5518.0, 5635.0, 5710.0, 5295.0,

						5481.0, 5436.0, 5311.0, 5419.0, 5272.0, 5679.0, 5462.0, 5612.0, 5329.0, 5634.0, 5375.0, 5501.0, 5335.0, 5320.0, 5595.0 (number of hits: 15)
29	5290	9	1	333	1	5252.0, 5469.0, 5720.0, 5346.0, 5309.0, 5449.0, 5322.0, 5513.0, 5581.0, 5662.0, 5473.0, 5528.0, 5550.0, 5710.0, 5643.0, 5430.0, 5385.0, 5479.0, 5685.0, 5548.0, 5462.0, 5485.0, 5361.0, 5373.0, 5711.0, 5686.0, 5494.0, 5573.0, 5689.0, 5723.0, 5390.0, 5306.0, 5250.0, 5335.0, 5466.0, 5602.0, 5502.0, 5564.0, 5628.0, 5258.0, 5660.0, 5253.0, 5616.0, 5633.0, 5669.0, 5520.0, 5403.0, 5410.0, 5424.0, 5586.0, 5537.0, 5421.0, 5490.0, 5457.0, 5471.0, 5505.0, 5363.0, 5360.0, 5583.0, 5707.0, 5645.0, 5261.0, 5308.0, 5551.0, 5599.0, 5405.0, 5501.0, 5701.0, 5674.0, 5649.0, 5608.0, 5376.0, 5547.0, 5553.0, 5415.0, 5539.0, 5374.0, 5336.0, 5677.0, 5254.0, 5605.0, 5426.0, 5318.0, 5445.0, 5324.0, 5541.0, 5651.0, 5450.0, 5311.0, 5397.0, 5613.0, 5453.0, 5682.0, 5492.0, 5542.0, 5495.0, 5718.0, 5452.0, 5648.0, 5671.0 (number of hits: 13)
30	5290	9	1	333	1	5647.0, 5610.0, 5423.0, 5306.0, 5652.0, 5693.0, 5387.0, 5330.0, 5675.0, 5419.0, 5348.0, 5339.0, 5504.0, 5560.0, 5281.0, 5616.0, 5405.0, 5389.0, 5351.0, 5656.0, 5530.0, 5497.0, 5469.0, 5556.0, 5562.0, 5288.0, 5365.0, 5404.0, 5445.0, 5483.0, 5454.0, 5566.0, 5670.0, 5264.0, 5444.0, 5273.0, 5403.0, 5317.0, 5574.0, 5521.0, 5622.0, 5293.0, 5512.0, 5340.0, 5395.0, 5343.0, 5718.0, 5695.0, 5250.0, 5636.0, 5633.0, 5501.0, 5402.0, 5514.0, 5634.0, 5577.0, 5532.0, 5581.0, 5649.0, 5323.0, 5508.0, 5341.0, 5305.0, 5361.0, 5605.0, 5635.0, 5301.0, 5626.0, 5377.0, 5424.0, 5704.0, 5325.0, 5599.0, 5390.0, 5703.0, 5266.0, 5443.0, 5576.0, 5719.0, 5663.0, 5290.0, 5515.0, 5368.0, 5461.0, 5619.0, 5643.0, 5475.0, 5500.0, 5373.0, 5298.0, 5678.0, 5592.0, 5558.0, 5448.0, 5551.0, 5661.0, 5426.0, 5568.0, 5465.0, 5623.0 (number of hits: 15)

5540 MHz, 20 MHz Bandwidth

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

Please refer to the following statistical tables:

5540 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5540	61	1	878	1
2	5540	72	1	738	1
3	5540	99	1	538	1
4	5540	70	1	758	1
5	5540	63	1	838	1
6	5540	68	1	778	1
7	5540	89	1	598	1
8	5540	95	1	558	1
9	5540	59	1	898	1
10	5540	18	1	3066	1
11	5540	81	1	658	1
12	5540	74	1	718	1
13	5540	65	1	818	1
14	5540	86	1	618	1
15	5540	92	1	578	1
16	5540	98	1	541	1
17	5540	41	1	1297	1
18	5540	89	1	596	1
19	5540	36	1	1506	1
20	5540	23	1	2334	1
21	5540	28	1	1932	1
22	5540	30	1	1816	1
23	5540	22	1	2424	1
24	5540	66	1	808	1
25	5540	22	1	2413	1
26	5540	35	1	1525	1
27	5540	19	1	2779	1
28	5540	34	1	1563	1
29	5540	25	1	2113	1
30	5540	28	1	1913	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5540	25	2.7	195	1
2	5540	29	4.3	218	1
3	5540	23	2.2	226	1
4	5540	25	3.7	210	1
5	5540	28	1.7	162	1
6	5540	27	1.4	170	1
7	5540	27	3.6	150	1
8	5540	24	4.3	154	1
9	5540	25	4.3	198	1
10	5540	24	1.3	214	1
11	5540	23	1.6	175	1
12	5540	26	2	204	1
13	5540	28	1.9	205	1
14	5540	29	3.1	211	1
15	5540	24	4	184	1
16	5540	25	1.3	201	1
17	5540	23	4	186	1
18	5540	23	4.5	217	1
19	5540	26	3.6	152	1
20	5540	26	4.5	192	1
21	5540	25	1.7	223	1
22	5540	25	2.6	227	1
23	5540	29	2.5	221	1
24	5540	24	5	196	1
25	5540	29	3.5	223	1
26	5540	24	2.3	160	1
27	5540	26	1.1	212	1
28	5540	27	4.4	152	1
29	5540	27	1.2	230	1
30	5540	23	2.3	177	1

Detection Percentage: 100 % (>60%)

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5540	16	7.4	261	1
2	5540	16	8	311	1
3	5540	17	9.5	201	1
4	5540	17	6.2	351	1
5	5540	17	8.3	385	1
6	5540	17	8.6	431	1
7	5540	17	7.8	320	1
8	5540	16	6.3	365	1
9	5540	18	8.5	418	1
10	5540	16	9.1	215	1
11	5540	16	8	457	1
12	5540	16	6.7	300	1
13	5540	18	8.5	275	1
14	5540	17	7.7	351	1
15	5540	16	8.1	433	1
16	5540	18	9.1	201	1
17	5540	16	7.4	421	1
18	5540	16	7.7	437	1
19	5540	18	7.5	378	1
20	5540	17	8.7	407	1
21	5540	18	6.3	430	1
22	5540	17	8	324	1
23	5540	16	7.4	328	1
24	5540	17	8.7	382	1
25	5540	17	7.9	450	1
26	5540	17	7.3	409	1
27	5540	17	6.8	487	1
28	5540	16	6.7	242	1
29	5540	16	6.9	402	1
30	5540	18	8	281	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5540	14	15.7	327	1
2	5540	12	19.2	272	1
3	5540	13	14.4	490	1
4	5540	12	17.1	387	1
5	5540	12	19.6	227	1
6	5540	13	17	334	1
7	5540	15	16	343	1
8	5540	16	12.9	453	1
9	5540	16	19.2	489	1
10	5540	16	13.8	318	1
11	5540	13	12.7	496	1
12	5540	14	18.6	251	1
13	5540	14	20	435	1
14	5540	12	17.1	475	1
15	5540	12	19.5	374	1
16	5540	14	20	348	1
17	5540	16	13.7	285	1
18	5540	13	12.1	427	1
19	5540	15	11.1	349	1
20	5540	12	11.8	380	1
21	5540	15	12.7	214	1
22	5540	16	19.1	442	1
23	5540	13	13.4	389	1
24	5540	16	19.4	400	1
25	5540	15	18.7	211	1
26	5540	16	19.5	275	1
27	5540	14	16.8	354	1
28	5540	14	15.8	442	1
29	5540	16	11.9	354	1
30	5540	13	11.8	456	1

Detection Percentage: 100 % (>60%)

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5540	1
2	5540	1
3	5540	1
4	5540	1
5	5540	1
6	5540	1
7	5540	1
8	5540	1
9	5540	1
10	5540	1
11	5535	1
12	5538.6	1
13	5535	1
14	5538.2	1
15	5535.4	1
16	5535	1
17	5536.2	1
18	5534.2	1
19	5537.8	1
20	5534.2	1
21	5542.6	1
22	5545.4	1
23	5543.8	1
24	5546.6	1
25	5546.6	1
26	5547	1
27	5544.6	1
28	5547	1
29	5542.2	1
30	5545.4	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	84.1	1783	1916	0.013493	
1	2	6	59.4	1641		0.794513	
2	3	6	95.5	1233	1753	1.297361	
3	3	6	87	1092	1075	2.034134	
4	2	6	54.2	1305		2.81657	
5	2	6	96.1	1514		3.345599	
6	2	6	50.2	1298		3.841184	
7	2	6	54.9	1010		4.732865	
8	2	6	57.7	1150		5.057791	
9	2	6	94.4	1909		5.738088	1
10	1	6	74.3			6.444549	
11	2	6	78.9	1222		7.359685	
12	3	6	54.9	1825	1059	8.10734	
13	1	6	88.7			8.732036	
14	2	6	68	1900		8.990447	
15	2	6	60.9	1806		9.734697	
16	1	6	50.9			10.669173	
17	3	6	50.1	1068	1577	11.357629	
18	3	6	66.2	1129	1051	11.547983	

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	8	71.2	1021	1467	0.642564	
1	3	8	74.7	1250	1230	1.264496	
2	2	8	96.5	1109		1.922578	
3	3	8	59.5	1242	1865	2.455486	
4	3	8	68	1612	1202	3.02268	
5	2	8	59.6	1098		4.419143	
6	2	8	61.4	1129		5.040293	
7	1	8	71.8			5.541175	
8	2	8	60	1317		6.470422	1
9	1	8	54.7			7.28879	
10	3	8	78.4	1553	1657	7.867781	
11	3	8	99.6	1933	1733	8.576938	
12	3	8	67.2	1856	1787	9.435739	
13	3	8	69.5	1570	1219	9.768449	
14	2	8	87.3	1243		10.617027	
15	2	8	61.4	1452		11.417034	

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	9	66.1			0.028312	
1	2	9	62.9	1092		0.851152	
2	2	9	96.1	1709		1.874226	
3	3	9	98	1237	1445	2.28195	
4	1	9	64.6			2.994953	
5	1	9	66.7			3.68865	
6	1	9	57.3			4.538725	
7	1	9	80.7			4.837466	
8	2	9	97.7	1578		5.724826	
9	2	9	98.3	1027		6.32049	1
10	1	9	97.1			6.856469	
11	1	9	65.1			7.480146	
12	2	9	94.4	1610		8.442793	
13	3	9	76.6	1133	2000	8.802716	
14	2	9	86.2	1685		9.405464	
15	1	9	70.3			10.208207	
16	3	9	83.4	1826	1778	11.299513	
17	3	9	77.2	1652	1919	11.901556	

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	12	74.5			1.097988	
1	2	12	96	1402		1.674103	
2	2	12	92.3	1382		3.321097	
3	3	12	61.6	1894	1649	4.950172	
4	3	12	95.6	1274	1088	6.29184	1
5	2	12	88.9	1891		7.299024	
6	2	12	51.4	1024		9.024469	
7	2	12	87.6	1584		10.285011	
8	2	12	76	1995		11.923315	

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	62.2			0.676313	
1	1	5	69.8			1.214886	
2	3	5	58.5	1882	1466	1.779244	
3	1	5	52.6			2.931537	
4	2	5	90.4	1107		3.840678	
5	1	5	94.6			4.437453	
6	2	5	64.4	1730		5.274004	
7	1	5	57.6			5.929063	1
8	3	5	73.2	1521	1345	6.55151	
9	3	5	86.3	1195	1650	7.90824	
10	2	5	82.3	1224		8.084469	
11	3	5	53.5	1290	1832	9.506028	
12	1	5	70.2			9.876775	
13	2	5	53.2	1090		10.766434	
14	3	5	82.6	1098	1196	11.36771	

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	13	50.2			0.363047	
1	2	13	77.7	1745		1.179061	
2	3	13	85.9	1994	1485	2.925659	
3	2	13	73	1912		3.556235	
4	2	13	82.8	1652		4.241572	
5	1	13	85.1			5.43122	
6	1	13	55			6.84236	1
7	1	13	61.6			7.472741	
8	2	13	97.4	1477		8.446583	
9	1	13	70.3			9.21636	
10	1	13	64.2			10.02768	
11	3	13	85.2	1795	1178	11.734742	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	65.4	1639	1081	0.00925	
1	3	7	91	1673	1099	0.730586	
2	2	7	62.5	1523		1.683489	
3	3	7	63.3	1689	1437	2.446131	
4	2	7	53.7	1420		3.231759	
5	1	7	61.2			3.664352	
6	2	7	76.7	1417		4.526384	
7	2	7	64.6	1701		5.422417	
8	2	7	51.5	1053		6.3397	1
9	1	7	52.6			6.559697	
10	1	7	63.6			7.129571	
11	2	7	65.1	1515		8.461195	
12	1	7	96.1			9.125686	
13	3	7	85.5	1786	1956	9.562777	
14	3	7	79.7	1734	1405	9.986415	
15	2	7	58.7	1557		11.196077	
16	2	7	54.4	1276		11.562209	

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	72.3	1888	1004	0.357666	
1	1	7	99.7			1.09799	
2	3	7	54.6	1885	1356	2.592092	
3	2	7	61.4	1092		3.829748	
4	1	7	94.1			5.24689	
5	1	7	57.6			5.649194	1
6	2	7	68.1	1603		7.343788	
7	2	7	84.6	1377		8.544612	
8	2	7	74.8	1240		9.051201	
9	3	7	91.3	1729	1596	10.178621	
10	3	7	88.7	1683	1294	11.279798	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	94.9	1732	1542	0.064171	
1	1	14	92.7			2.291489	
2	2	14	82.1	1796		4.056532	
3	3	14	78.1	1999	1454	5.242992	
4	3	14	64.4	1638	1586	6.231848	1
5	2	14	87.9	1415		7.528692	
6	1	14	83			10.163371	
7	3	14	66	1424	1219	10.883199	

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	5	89.1			0.896839	
1	2	5	54	1380		2.521359	
2	3	5	60.9	1328	1921	2.807527	
3	2	5	60.8	1274		4.550715	
4	1	5	71.4			5.483785	1
5	2	5	76.6	1773		7.824408	
6	1	5	91.7			9.224877	
7	1	5	97.5			9.81273	
8	1	5	89.8			11.712816	

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	10	96.8	1620		0.049731	
1	2	10	50.5	1227		1.499306	
2	2	10	94.1	1725		1.970815	
3	1	10	84.6			3.369292	
4	2	10	88.1	1190		3.520576	
5	3	10	51.6	1471	1211	4.575578	
6	2	10	95.7	1440		5.904393	
7	2	10	66.5	1587		6.716896	1
8	2	10	82.3	1383		7.121148	
9	3	10	97	1288	1208	8.422853	
10	3	10	76.6	1010	1802	8.627325	
11	2	10	90.6	1593		9.766012	
12	2	10	77.7	1764		10.543296	
13	3	10	87.2	1490	1626	11.385048	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	57.3	1434		0.238606	
1	1	19	52.9			2.022986	
2	1	19	86.9			2.63723	
3	2	19	61.6	1620		3.532024	
4	3	19	59.9	1742	1851	4.445409	
5	2	19	71	1127		6.430983	1
6	2	19	73.1	1857		7.169379	
7	3	19	83.8	1090	1775	8.357985	
8	2	19	83.6	1484		9.440915	
9	1	19	85.2			10.037782	
10	2	19	99	1031		11.502623	

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	10	88	1417	1178	0.050445	
1	2	10	59.7	1326		0.860102	
2	3	10	70.5	1424	1985	1.764305	
3	1	10	78.7			1.978947	
4	2	10	85.3	1207		2.629669	
5	2	10	90.2	1098		3.685983	
6	3	10	93	1444	1675	4.410676	
7	2	10	75.9	1382		5.034247	
8	3	10	76.4	1193	1742	5.557553	
9	1	10	59.5			5.88691	1
10	2	10	70.2	1059		6.807207	
11	3	10	50	1886	1858	7.290317	
12	3	10	84.4	1254	1019	7.813602	
13	3	10	80.5	1130	1471	8.333036	
14	1	10	79.9			8.843729	
15	2	10	80.6	1600		10.059474	
16	2	10	92.1	1395		10.459961	
17	2	10	96.2	1927		10.800874	
18	3	10	52.9	1506	1600	11.94733	

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	18	51.2	1183		0.029484	
1	2	18	86	1202		0.903577	
2	2	18	84.8	1495		1.882437	
3	2	18	69.8	1979		2.249503	
4	1	18	92.5			3.078183	
5	1	18	50.8			3.568872	
6	2	18	64	1884		4.713245	
7	3	18	57.2	1772	1338	4.983127	
8	2	18	52.4	1531		5.696338	1
9	2	18	92.9	1266		6.363609	
10	2	18	95	1386		7.35377	
11	3	18	98.8	1473	1725	8.28346	
12	1	18	89.1			8.523887	
13	3	18	71.8	1980	1896	9.180443	
14	1	18	81.3			10.045435	
15	2	18	64.4	1544		11.11438	
16	2	18	95	1347		11.76578	

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	11	89.4	1509		1.218787	
1	2	11	94.4	1141		2.592597	
2	1	11	55			3.648187	
3	1	11	51.7			4.100803	
4	2	11	89.9	1789		6.478643	1
5	1	11	60.4			6.786637	
6	3	11	65.4	1022	1408	8.209719	
7	2	11	99.1	1814		10.147699	
8	1	11	53.3			10.808703	

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	98.2	1432		0.918434	
1	3	10	55.2	1983	1629	2.255902	
2	2	10	55.5	1461		3.962922	
3	2	10	67.9	1420		4.752067	
4	2	10	89.7	1008		6.625813	1
5	2	10	62.7	1434		7.04014	
6	1	10	84.9			8.359327	
7	2	10	90	1056		9.772108	
8	3	10	67.1	1854	1106	11.765874	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	54.5	1410	1233	0.608355	
1	3	13	61.3	1522	1417	2.750967	
2	3	13	66.9	1739	1555	3.002383	
3	2	13	91.8	1704		4.78095	
4	3	13	54.3	1911	1840	7.303401	1
5	2	13	58.9	1013		8.297497	
6	3	13	84.8	1513	1118	10.416377	
7	2	13	59.1	1249		11.894447	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	92.1			1.01126	
1	3	8	67.2	1776	1370	2.193838	
2	3	8	81.9	1965	1267	2.554745	
3	2	8	68	1367		4.483283	
4	2	8	56.3	1479		4.916628	
5	1	8	89.1			7.116993	1
6	3	8	95.3	1962	1665	8.292229	
7	2	8	80.7	1090		9.224278	
8	2	8	58.9	1984		9.78964	
9	1	8	60.2			11.540135	

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	17	74.7	1432		0.866485	
1	3	17	59.7	1269	1881	1.276567	
2	1	17	75.2			2.556573	
3	2	17	56.4	1433		3.391832	
4	2	17	76.5	1550		3.860596	
5	3	17	79.5	1597	1344	5.406869	
6	2	17	68.4	1573		6.432924	1
7	2	17	97.7	1641		6.610038	
8	3	17	78.5	1054	1561	7.707048	
9	1	17	88.8			8.879813	
10	1	17	71.6			9.946898	
11	1	17	87.2			10.365602	
12	1	17	76.4			11.219506	

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	77.4	1315		0.24771	
1	2	8	70.5	1003		0.607775	
2	2	8	82.2	1406		1.535473	
3	2	8	54.4	1747		1.847996	
4	2	8	93.2	1174		2.461835	
5	2	8	90.2	1010		3.494698	
6	3	8	92.3	1282	1030	3.696329	
7	3	8	59.1	1858	1816	4.226584	
8	2	8	72	1744		4.91569	
9	3	8	77.3	1969	1832	5.77183	
10	2	8	57.7	1801		6.084386	1
11	1	8	83.9			6.936607	
12	2	8	96.5	1640		7.72128	
13	2	8	87	1659		8.297846	
14	2	8	60.4	1411		8.433977	
15	2	8	79.5	1212		9.47754	
16	2	8	68.4	1803		10.089193	
17	1	8	99.7			10.68279	
18	3	8	50.4	1166	1057	11.029645	
19	1	8	90.9			11.757517	

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	16	51.9	1743	1015	0.809977	
1	2	16	99.2	1044		1.236664	
2	2	16	68.4	1338		2.356861	
3	1	16	79.5			3.722191	
4	2	16	51	1250		4.528007	
5	2	16	52.5	1281		6.290348	1
6	2	16	51	1221		6.794095	
7	2	16	52	1179		7.894791	
8	1	16	66.4			9.125777	
9	3	16	75	1257	1390	10.32623	
10	2	16	90.3	1330		11.989692	

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	9	93.2	1505	1648	0.789318	
1	3	9	87.3	1716	1413	2.029647	
2	2	9	90	1251		3.055709	
3	2	9	78.5	1340		3.693505	
4	1	9	72.6			4.531447	
5	2	9	65.3	1002		6.213599	1
6	3	9	85.1	1014	1299	7.145705	
7	2	9	68.2	1047		8.317729	
8	2	9	88.7	1827		8.934936	
9	2	9	82.6	1764		10.074908	
10	1	9	87.5			11.148775	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	69	1665	1393	0.666559	
1	2	13	87.3	1621		1.190504	
2	3	13	70.7	1131	1025	1.551326	
3	1	13	56.2			2.207903	
4	2	13	80.4	1249		3.370885	
5	2	13	68.5	1752		3.893705	
6	2	13	90.6	1738		4.81283	
7	1	13	67.1			5.016271	
8	2	13	67.2	1970		5.785834	1
9	3	13	50.2	1563	1863	6.789317	
10	3	13	64.6	1510	1821	7.527238	
11	1	13	92.1			8.068811	
12	1	13	68.2			8.571551	
13	2	13	86	1922		9.274167	
14	1	13	59.5			10.346925	
15	3	13	67.3	1412	1920	10.732433	
16	2	13	74.7	1742		11.595237	

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	95.6	1689		0.747169	
1	1	6	76.1			2.205468	
2	3	6	78.7	1090	1246	2.88996	
3	2	6	95.2	1556		4.41032	
4	1	6	94.9			5.993062	
5	1	6	80.6			6.357013	1
6	2	6	81.5	1127		8.14404	
7	2	6	94.8	1749		8.582563	
8	3	6	65.4	1795	1298	10.427934	
9	2	6	51.3	1776		11.749188	

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	6	79.6	1447		0.490871	
1	3	6	52.4	1780	1778	1.27051	
2	2	6	57.7	1577		2.324591	
3	2	6	95	1311		3.200087	
4	2	6	72.4	1923		3.735397	
5	2	6	69.8	1072		4.799359	
6	2	6	57.1	1951		5.53114	1
7	1	6	68.2			6.44381	
8	1	6	87.1			7.599699	
9	3	6	54.6	1847	1866	8.054378	
10	2	6	51.3	1033		8.781842	
11	2	6	50.7	1787		9.551716	
12	3	6	89.1	1173	1779	10.838045	
13	2	6	52.4	1689		11.342368	

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	5	77	1736		0.000376	
1	1	5	72.8			0.605598	
2	3	5	50.1	1326	1554	1.34594	
3	2	5	91.9	1449		2.131412	
4	1	5	66.2			2.806385	
5	2	5	99	1588		3.35288	
6	3	5	63.3	1094	1333	3.967574	
7	2	5	58.5	1827		4.69598	
8	3	5	56.5	1735	1930	4.867	
9	2	5	64.8	1367		5.563591	
10	2	5	84.3	1934		6.084068	1
11	2	5	73.9	1808		7.111729	
12	2	5	96.9	1988		7.630973	
13	2	5	68.3	1861		7.830483	
14	3	5	95.9	1329	1579	8.798914	
15	2	5	85.5	1386		9.303769	
16	2	5	91.8	1377		10.160139	
17	1	5	67.8			10.383515	
18	1	5	56.3			11.252333	
19	1	5	75.4			11.503492	

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	11	77.9			0.16407	
1	2	11	98.7	1028		0.939743	
2	3	11	67.3	1676	1206	2.035466	
3	2	11	93.1	1869		2.373611	
4	3	11	66.9	1961	1695	3.539307	
5	2	11	59.3	1605		3.946118	
6	3	11	50.7	1896	1758	4.907835	
7	2	11	88.4	1842		5.685596	
8	1	11	70.9			6.192921	1
9	2	11	81.4	1828		6.953061	
10	3	11	92.4	1189	1988	7.605641	
11	2	11	52.4	1516		8.535797	
12	2	11	57.4	1847		9.399013	
13	3	11	73.7	1035	1788	9.924676	
14	1	11	76.8			10.954711	
15	1	11	87.2			11.304818	

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	5	78.5	1134		0.886829	
1	2	5	69.6	1090		1.659067	
2	1	5	92.3			2.441036	
3	3	5	95.4	1975	1277	3.45733	
4	2	5	54.3	1443		4.399254	
5	2	5	93.8	1895		5.46867	
6	3	5	71.3	1411	1789	6.082069	1
7	2	5	57.8	1711		6.468702	
8	2	5	97.9	1638		7.845343	
9	1	5	97.5			9.182687	
10	1	5	66.3			10.070798	
11	2	5	86.4	1195		10.469247	
12	2	5	57.8	1342		11.134763	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	63.8			0.031325	
1	2	17	81.5	1839		1.887856	
2	2	17	98.7	1368		3.993686	
3	3	17	66.4	1874	1014	5.259305	
4	2	17	94.2	1877		5.739569	1
5	1	17	52			7.643425	
6	1	17	78.9			9.32713	
7	3	17	88.3	1006	1271	10.092551	
8	2	17	76.3	1603		11.220518	

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	9	84.8			0.023989	
1	2	9	72.2	1963		1.013748	
2	1	9	73.5			2.190328	
3	2	9	55.8	1854		3.340113	
4	3	9	89.8	1656	1237	4.929477	
5	3	9	95.5	1215	1090	5.165879	
6	1	9	79.5			6.086252	1
7	2	9	66	1224		7.769494	
8	1	9	73.8			8.178095	
9	1	9	81.6			9.041214	
10	2	9	80.7	1841		10.426562	
11	1	9	92.3			11.000145	

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	5540	9	1	333	1	5473.0, 5505.0, 5495.0, 5526.0, 5412.0, 5332.0, 5329.0, 5389.0, 5262.0, 5341.0, 5415.0, 5641.0, 5686.0, 5465.0, 5723.0, 5280.0, 5544.0, 5253.0, 5580.0, 5488.0, 5296.0, 5650.0, 5487.0, 5628.0, 5538.0, 5535.0, 5527.0, 5576.0, 5447.0, 5313.0, 5563.0, 5396.0, 5496.0, 5716.0, 5582.0, 5654.0, 5516.0, 5301.0, 5384.0, 5522.0, 5554.0, 5597.0, 5720.0, 5460.0, 5655.0, 5320.0, 5478.0, 5380.0, 5633.0, 5532.0, 5446.0, 5352.0, 5423.0, 5477.0, 5393.0, 5331.0, 5257.0, 5440.0, 5417.0, 5697.0, 5494.0, 5254.0, 5451.0, 5302.0, 5711.0, 5390.0, 5564.0, 5647.0, 5660.0, 5615.0, 5673.0, 5556.0, 5662.0, 5668.0, 5520.0, 5682.0, 5669.0, 5272.0, 5664.0, 5433.0, 5600.0, 5722.0, 5631.0, 5486.0, 5639.0, 5251.0, 5428.0, 5671.0, 5348.0, 5326.0, 5334.0, 5364.0, 5425.0, 5574.0, 5400.0, 5330.0, 5278.0, 5508.0, 5690.0, 5547.0 (number of hits: 5)
2	5540	9	1	333	1	5677.0, 5622.0, 5484.0, 5257.0, 5446.0, 5480.0, 5559.0, 5720.0, 5719.0, 5563.0, 5344.0, 5434.0, 5437.0, 5597.0, 5425.0, 5372.0, 5594.0, 5640.0, 5414.0, 5255.0, 5501.0, 5405.0, 5449.0, 5511.0, 5624.0, 5492.0, 5704.0, 5603.0, 5562.0, 5384.0, 5723.0, 5616.0, 5475.0, 5659.0, 5363.0, 5470.0, 5534.0, 5413.0, 5527.0, 5693.0, 5289.0, 5686.0, 5438.0, 5665.0, 5583.0, 5539.0, 5493.0, 5296.0, 5579.0, 5651.0, 5342.0, 5683.0, 5350.0, 5469.0, 5259.0, 5295.0, 5433.0, 5495.0, 5265.0, 5523.0, 5695.0, 5472.0, 5721.0, 5718.0, 5471.0, 5691.0, 5573.0, 5315.0, 5284.0, 5650.0, 5630.0, 5262.0, 5609.0, 5429.0, 5714.0, 5281.0, 5490.0, 5684.0, 5418.0, 5664.0, 5525.0, 5513.0, 5452.0, 5567.0, 5364.0, 5343.0, 5675.0, 5270.0, 5367.0, 5287.0, 5606.0, 5424.0, 5311.0, 5339.0, 5600.0, 5313.0, 5689.0, 5515.0, 5368.0, 5672.0 (number of hits: 2)
3	5540	9	1	333	1	5404.0, 5256.0, 5385.0, 5492.0, 5619.0, 5530.0, 5610.0, 5678.0, 5450.0, 5668.0, 5403.0, 5706.0, 5701.0, 5597.0, 5272.0, 5543.0, 5499.0, 5336.0, 5641.0, 5326.0, 5559.0, 5490.0, 5266.0, 5496.0, 5357.0, 5321.0, 5695.0, 5702.0, 5449.0, 5304.0, 5377.0, 5536.0, 5661.0, 5360.0, 5254.0, 5531.0, 5537.0, 5468.0, 5602.0, 5708.0, 5672.0, 5507.0, 5426.0, 5551.0, 5393.0, 5437.0, 5476.0, 5621.0, 5303.0, 5297.0, 5669.0, 5368.0, 5535.0, 5680.0, 5667.0,

						5493.0, 5495.0, 5344.0, 5506.0, 5444.0, 5554.0, 5378.0, 5475.0, 5515.0, 5529.0, 5645.0, 5627.0, 5372.0, 5573.0, 5331.0, 5654.0, 5407.0, 5428.0, 5560.0, 5319.0, 5603.0, 5609.0, 5586.0, 5703.0, 5259.0, 5355.0, 5264.0, 5301.0, 5352.0, 5634.0, 5310.0, 5649.0, 5396.0, 5655.0, 5550.0, 5430.0, 5477.0, 5284.0, 5521.0, 5348.0, 5469.0, 5465.0, 5375.0, 5308.0, 5311.0 (number of hits: 6)
4	5540	9	1	333	1	5408.0, 5646.0, 5321.0, 5355.0, 5664.0, 5584.0, 5500.0, 5398.0, 5655.0, 5719.0, 5642.0, 5661.0, 5258.0, 5462.0, 5318.0, 5285.0, 5490.0, 5422.0, 5666.0, 5518.0, 5341.0, 5567.0, 5304.0, 5612.0, 5291.0, 5358.0, 5566.0, 5371.0, 5454.0, 5697.0, 5688.0, 5413.0, 5420.0, 5298.0, 5572.0, 5312.0, 5707.0, 5544.0, 5713.0, 5680.0, 5335.0, 5670.0, 5309.0, 5386.0, 5346.0, 5651.0, 5660.0, 5556.0, 5724.0, 5633.0, 5282.0, 5430.0, 5364.0, 5377.0, 5640.0, 5714.0, 5696.0, 5380.0, 5568.0, 5456.0, 5385.0, 5618.0, 5678.0, 5353.0, 5412.0, 5292.0, 5587.0, 5354.0, 5489.0, 5582.0, 5517.0, 5486.0, 5268.0, 5602.0, 5562.0, 5295.0, 5579.0, 5528.0, 5662.0, 5265.0, 5620.0, 5361.0, 5519.0, 5647.0, 5437.0, 5718.0, 5613.0, 5607.0, 5403.0, 5379.0, 5508.0, 5470.0, 5416.0, 5435.0, 5351.0, 5643.0, 5387.0, 5307.0, 5472.0, 5667.0 (number of hits: 1)
5	5540	9	1	333	1	5494.0, 5272.0, 5652.0, 5453.0, 5621.0, 5594.0, 5367.0, 5544.0, 5478.0, 5299.0, 5469.0, 5655.0, 5485.0, 5343.0, 5566.0, 5658.0, 5459.0, 5395.0, 5375.0, 5348.0, 5283.0, 5276.0, 5456.0, 5522.0, 5588.0, 5443.0, 5703.0, 5308.0, 5543.0, 5275.0, 5583.0, 5268.0, 5411.0, 5548.0, 5676.0, 5698.0, 5421.0, 5482.0, 5255.0, 5441.0, 5366.0, 5582.0, 5277.0, 5382.0, 5545.0, 5586.0, 5686.0, 5687.0, 5666.0, 5614.0, 5368.0, 5573.0, 5344.0, 5567.0, 5509.0, 5389.0, 5373.0, 5524.0, 5587.0, 5401.0, 5715.0, 5282.0, 5300.0, 5294.0, 5622.0, 5682.0, 5447.0, 5271.0, 5296.0, 5388.0, 5262.0, 5303.0, 5561.0, 5514.0, 5486.0, 5259.0, 5542.0, 5273.0, 5257.0, 5427.0, 5460.0, 5607.0, 5391.0, 5361.0, 5507.0, 5270.0, 5484.0, 5718.0, 5291.0, 5287.0, 5626.0, 5327.0, 5402.0, 5569.0, 5568.0, 5557.0, 5564.0, 5286.0, 5403.0, 5660.0 (number of hits: 5)
6	5540	9	1	333	1	5393.0, 5276.0, 5409.0, 5602.0, 5265.0, 5537.0, 5707.0, 5298.0, 5353.0, 5438.0, 5282.0, 5557.0, 5722.0, 5508.0, 5463.0, 5494.0, 5696.0, 5701.0, 5478.0, 5504.0, 5486.0, 5665.0, 5676.0, 5475.0, 5307.0, 5379.0, 5656.0, 5597.0, 5361.0, 5612.0, 5420.0, 5693.0, 5288.0, 5271.0, 5646.0,

						5354.0, 5429.0, 5448.0, 5309.0, 5713.0, 5386.0, 5587.0, 5499.0, 5442.0, 5625.0, 5451.0, 5556.0, 5664.0, 5348.0, 5577.0, 5269.0, 5601.0, 5714.0, 5717.0, 5622.0, 5416.0, 5343.0, 5390.0, 5398.0, 5440.0, 5515.0, 5424.0, 5637.0, 5443.0, 5530.0, 5574.0, 5368.0, 5392.0, 5419.0, 5360.0, 5300.0, 5560.0, 5496.0, 5405.0, 5287.0, 5518.0, 5377.0, 5675.0, 5437.0, 5719.0, 5565.0, 5528.0, 5254.0, 5538.0, 5454.0, 5671.0, 5277.0, 5472.0, 5659.0, 5430.0, 5317.0, 5381.0, 5497.0, 5268.0, 5468.0, 5605.0, 5335.0, 5575.0, 5502.0, 5685.0 (number of hits: 3)
7	5540	9	1	333	1	5676.0, 5434.0, 5594.0, 5405.0, 5260.0, 5707.0, 5336.0, 5528.0, 5697.0, 5458.0, 5355.0, 5439.0, 5332.0, 5692.0, 5660.0, 5668.0, 5327.0, 5719.0, 5427.0, 5490.0, 5482.0, 5517.0, 5311.0, 5681.0, 5682.0, 5334.0, 5693.0, 5342.0, 5269.0, 5438.0, 5568.0, 5655.0, 5473.0, 5286.0, 5271.0, 5684.0, 5579.0, 5371.0, 5478.0, 5343.0, 5393.0, 5400.0, 5546.0, 5540.0, 5419.0, 5346.0, 5389.0, 5410.0, 5464.0, 5477.0, 5447.0, 5611.0, 5450.0, 5645.0, 5519.0, 5635.0, 5688.0, 5399.0, 5278.0, 5565.0, 5314.0, 5652.0, 5523.0, 5581.0, 5411.0, 5386.0, 5412.0, 5685.0, 5288.0, 5539.0, 5510.0, 5542.0, 5329.0, 5509.0, 5363.0, 5577.0, 5566.0, 5675.0, 5507.0, 5494.0, 5418.0, 5401.0, 5715.0, 5406.0, 5556.0, 5690.0, 5551.0, 5442.0, 5496.0, 5597.0, 5289.0, 5600.0, 5661.0, 5274.0, 5553.0, 5720.0, 5432.0, 5702.0, 5264.0, 5512.0 (number of hits: 4)
8	5540	9	1	333	1	5263.0, 5465.0, 5282.0, 5645.0, 5449.0, 5496.0, 5453.0, 5596.0, 5473.0, 5605.0, 5513.0, 5470.0, 5357.0, 5380.0, 5661.0, 5290.0, 5292.0, 5298.0, 5323.0, 5313.0, 5678.0, 5266.0, 5545.0, 5395.0, 5610.0, 5272.0, 5258.0, 5533.0, 5306.0, 5713.0, 5361.0, 5343.0, 5250.0, 5607.0, 5322.0, 5415.0, 5318.0, 5492.0, 5442.0, 5675.0, 5340.0, 5471.0, 5383.0, 5253.0, 5334.0, 5362.0, 5502.0, 5274.0, 5622.0, 5549.0, 5523.0, 5493.0, 5251.0, 5517.0, 5490.0, 5581.0, 5644.0, 5620.0, 5353.0, 5406.0, 5448.0, 5341.0, 5577.0, 5461.0, 5450.0, 5555.0, 5325.0, 5277.0, 5439.0, 5328.0, 5416.0, 5498.0, 5294.0, 5466.0, 5304.0, 5371.0, 5430.0, 5321.0, 5608.0, 5309.0, 5509.0, 5278.0, 5273.0, 5582.0, 5286.0, 5522.0, 5512.0, 5288.0, 5569.0, 5653.0, 5530.0, 5613.0, 5701.0, 5707.0, 5681.0, 5516.0, 5345.0, 5573.0, 5641.0, 5554.0 (number of hits: 4)
9	5540	9	1	333	1	5501.0, 5275.0, 5395.0, 5398.0, 5718.0, 5513.0, 5617.0, 5665.0, 5614.0, 5298.0, 5709.0, 5342.0, 5397.0, 5409.0, 5262.0,

						5393.0, 5500.0, 5577.0, 5350.0, 5470.0, 5477.0, 5378.0, 5436.0, 5716.0, 5591.0, 5488.0, 5646.0, 5486.0, 5288.0, 5446.0, 5334.0, 5292.0, 5264.0, 5396.0, 5351.0, 5381.0, 5335.0, 5594.0, 5380.0, 5710.0, 5572.0, 5657.0, 5427.0, 5494.0, 5447.0, 5363.0, 5251.0, 5271.0, 5555.0, 5360.0, 5569.0, 5666.0, 5574.0, 5626.0, 5278.0, 5532.0, 5661.0, 5353.0, 5303.0, 5328.0, 5537.0, 5372.0, 5364.0, 5653.0, 5441.0, 5283.0, 5403.0, 5674.0, 5548.0, 5276.0, 5484.0, 5374.0, 5570.0, 5711.0, 5540.0, 5505.0, 5526.0, 5686.0, 5471.0, 5662.0, 5370.0, 5693.0, 5429.0, 5317.0, 5529.0, 5673.0, 5654.0, 5320.0, 5379.0, 5679.0, 5345.0, 5259.0, 5721.0, 5618.0, 5434.0, 5502.0, 5401.0, 5675.0, 5270.0, 5706.0 (number of hits: 4)
10	5540	9	1	333	1	5342.0, 5610.0, 5537.0, 5466.0, 5637.0, 5351.0, 5520.0, 5604.0, 5321.0, 5490.0, 5648.0, 5313.0, 5669.0, 5345.0, 5504.0, 5453.0, 5535.0, 5499.0, 5595.0, 5389.0, 5402.0, 5575.0, 5252.0, 5408.0, 5434.0, 5484.0, 5377.0, 5450.0, 5711.0, 5705.0, 5713.0, 5501.0, 5626.0, 5418.0, 5685.0, 5608.0, 5429.0, 5440.0, 5331.0, 5409.0, 5714.0, 5563.0, 5293.0, 5710.0, 5483.0, 5296.0, 5566.0, 5391.0, 5697.0, 5567.0, 5609.0, 5706.0, 5716.0, 5536.0, 5410.0, 5338.0, 5632.0, 5599.0, 5498.0, 5651.0, 5517.0, 5709.0, 5603.0, 5324.0, 5446.0, 5387.0, 5467.0, 5522.0, 5416.0, 5686.0, 5495.0, 5413.0, 5373.0, 5699.0, 5379.0, 5444.0, 5544.0, 5290.0, 5355.0, 5551.0, 5524.0, 5550.0, 5417.0, 5653.0, 5300.0, 5684.0, 5673.0, 5395.0, 5266.0, 5621.0, 5480.0, 5571.0, 5298.0, 5361.0, 5513.0, 5393.0, 5384.0, 5671.0, 5655.0, 5419.0 (number of hits: 4)
11	5540	9	1	333	1	5565.0, 5711.0, 5434.0, 5257.0, 5280.0, 5457.0, 5507.0, 5285.0, 5595.0, 5555.0, 5368.0, 5673.0, 5607.0, 5274.0, 5665.0, 5453.0, 5410.0, 5719.0, 5272.0, 5323.0, 5393.0, 5562.0, 5526.0, 5411.0, 5383.0, 5447.0, 5320.0, 5309.0, 5536.0, 5343.0, 5286.0, 5365.0, 5503.0, 5302.0, 5720.0, 5553.0, 5519.0, 5540.0, 5456.0, 5313.0, 5337.0, 5648.0, 5703.0, 5324.0, 5326.0, 5296.0, 5655.0, 5604.0, 5520.0, 5516.0, 5506.0, 5338.0, 5605.0, 5273.0, 5488.0, 5697.0, 5291.0, 5721.0, 5341.0, 5380.0, 5256.0, 5253.0, 5252.0, 5266.0, 5533.0, 5394.0, 5692.0, 5471.0, 5258.0, 5339.0, 5569.0, 5417.0, 5634.0, 5308.0, 5475.0, 5508.0, 5361.0, 5322.0, 5596.0, 5632.0, 5679.0, 5486.0, 5381.0, 5640.0, 5289.0, 5504.0, 5288.0, 5390.0, 5544.0, 5371.0, 5414.0, 5563.0, 5474.0, 5487.0, 5464.0, 5442.0, 5546.0, 5403.0, 5359.0, 5356.0

						(number of hits: 5)
12	5540	9	1	333	1	5479.0, 5691.0, 5698.0, 5504.0, 5642.0, 5589.0, 5557.0, 5612.0, 5469.0, 5677.0, 5564.0, 5272.0, 5343.0, 5338.0, 5720.0, 5694.0, 5496.0, 5716.0, 5288.0, 5568.0, 5401.0, 5448.0, 5399.0, 5570.0, 5626.0, 5686.0, 5584.0, 5506.0, 5303.0, 5258.0, 5315.0, 5574.0, 5724.0, 5396.0, 5508.0, 5515.0, 5353.0, 5383.0, 5503.0, 5372.0, 5460.0, 5634.0, 5511.0, 5522.0, 5714.0, 5600.0, 5419.0, 5569.0, 5509.0, 5450.0, 5420.0, 5518.0, 5319.0, 5520.0, 5403.0, 5256.0, 5362.0, 5417.0, 5473.0, 5395.0, 5713.0, 5494.0, 5357.0, 5292.0, 5269.0, 5679.0, 5471.0, 5422.0, 5664.0, 5438.0, 5576.0, 5646.0, 5428.0, 5430.0, 5282.0, 5605.0, 5312.0, 5514.0, 5690.0, 5444.0, 5461.0, 5298.0, 5455.0, 5501.0, 5707.0, 5358.0, 5684.0, 5558.0, 5703.0, 5300.0, 5510.0, 5302.0, 5294.0, 5365.0, 5687.0, 5549.0, 5652.0, 5398.0, 5593.0, 5279.0
						(number of hits: 1)
13	5540	9	1	333	1	5570.0, 5602.0, 5408.0, 5699.0, 5715.0, 5425.0, 5714.0, 5355.0, 5558.0, 5286.0, 5517.0, 5619.0, 5368.0, 5615.0, 5390.0, 5282.0, 5648.0, 5356.0, 5404.0, 5392.0, 5540.0, 5402.0, 5288.0, 5397.0, 5486.0, 5583.0, 5454.0, 5646.0, 5414.0, 5556.0, 5303.0, 5630.0, 5395.0, 5718.0, 5457.0, 5478.0, 5553.0, 5542.0, 5592.0, 5405.0, 5258.0, 5448.0, 5324.0, 5458.0, 5427.0, 5256.0, 5334.0, 5581.0, 5396.0, 5719.0, 5289.0, 5332.0, 5280.0, 5565.0, 5530.0, 5651.0, 5625.0, 5250.0, 5584.0, 5261.0, 5594.0, 5432.0, 5638.0, 5263.0, 5371.0, 5312.0, 5667.0, 5469.0, 5607.0, 5400.0, 5485.0, 5464.0, 5277.0, 5688.0, 5335.0, 5380.0, 5676.0, 5479.0, 5360.0, 5388.0, 5473.0, 5696.0, 5722.0, 5361.0, 5322.0, 5706.0, 5406.0, 5295.0, 5500.0, 5306.0, 5694.0, 5508.0, 5316.0, 5370.0, 5467.0, 5626.0, 5433.0, 5554.0, 5668.0, 5660.0
						(number of hits: 3)
14	5540	9	1	333	1	5545.0, 5435.0, 5446.0, 5317.0, 5560.0, 5637.0, 5643.0, 5682.0, 5655.0, 5523.0, 5603.0, 5665.0, 5320.0, 5440.0, 5551.0, 5604.0, 5577.0, 5309.0, 5583.0, 5253.0, 5285.0, 5331.0, 5621.0, 5405.0, 5476.0, 5606.0, 5661.0, 5453.0, 5379.0, 5258.0, 5257.0, 5626.0, 5515.0, 5342.0, 5318.0, 5396.0, 5520.0, 5548.0, 5384.0, 5710.0, 5460.0, 5538.0, 5677.0, 5535.0, 5628.0, 5325.0, 5349.0, 5484.0, 5381.0, 5292.0, 5658.0, 5270.0, 5669.0, 5367.0, 5306.0, 5375.0, 5528.0, 5533.0, 5371.0, 5323.0, 5334.0, 5569.0, 5624.0, 5542.0, 5664.0, 5722.0, 5480.0, 5687.0, 5503.0, 5488.0, 5531.0, 5500.0, 5399.0, 5437.0, 5368.0, 5430.0, 5585.0, 5314.0, 5709.0, 5297.0,

						5272.0, 5409.0, 5620.0, 5608.0, 5479.0, 5574.0, 5550.0, 5519.0, 5667.0, 5622.0, 5591.0, 5654.0, 5700.0, 5301.0, 5343.0, 5359.0, 5457.0, 5383.0, 5509.0, 5673.0 (number of hits: 7)
15	5540	9	1	333	1	5570.0, 5304.0, 5264.0, 5564.0, 5318.0, 5619.0, 5464.0, 5294.0, 5475.0, 5482.0, 5535.0, 5440.0, 5329.0, 5381.0, 5705.0, 5374.0, 5644.0, 5594.0, 5472.0, 5365.0, 5268.0, 5446.0, 5533.0, 5518.0, 5491.0, 5465.0, 5359.0, 5628.0, 5697.0, 5394.0, 5485.0, 5489.0, 5599.0, 5420.0, 5265.0, 5293.0, 5391.0, 5652.0, 5342.0, 5260.0, 5501.0, 5530.0, 5258.0, 5609.0, 5321.0, 5576.0, 5584.0, 5703.0, 5669.0, 5557.0, 5398.0, 5319.0, 5431.0, 5508.0, 5552.0, 5353.0, 5688.0, 5648.0, 5565.0, 5397.0, 5610.0, 5708.0, 5350.0, 5432.0, 5540.0, 5568.0, 5344.0, 5375.0, 5537.0, 5426.0, 5405.0, 5626.0, 5303.0, 5320.0, 5611.0, 5347.0, 5569.0, 5603.0, 5642.0, 5686.0, 5330.0, 5456.0, 5718.0, 5254.0, 5696.0, 5418.0, 5707.0, 5650.0, 5263.0, 5410.0, 5379.0, 5691.0, 5723.0, 5499.0, 5536.0, 5627.0, 5262.0, 5435.0, 5483.0, 5487.0 (number of hits: 6)
16	5540	9	1	333	1	5600.0, 5523.0, 5511.0, 5446.0, 5253.0, 5525.0, 5712.0, 5291.0, 5252.0, 5263.0, 5687.0, 5337.0, 5675.0, 5326.0, 5271.0, 5623.0, 5570.0, 5447.0, 5365.0, 5262.0, 5342.0, 5466.0, 5713.0, 5382.0, 5526.0, 5359.0, 5601.0, 5375.0, 5256.0, 5628.0, 5573.0, 5425.0, 5329.0, 5346.0, 5541.0, 5491.0, 5666.0, 5319.0, 5554.0, 5612.0, 5582.0, 5473.0, 5321.0, 5505.0, 5593.0, 5449.0, 5540.0, 5555.0, 5451.0, 5426.0, 5351.0, 5586.0, 5422.0, 5689.0, 5704.0, 5591.0, 5503.0, 5551.0, 5344.0, 5397.0, 5307.0, 5468.0, 5341.0, 5710.0, 5682.0, 5572.0, 5471.0, 5672.0, 5665.0, 5423.0, 5607.0, 5707.0, 5395.0, 5372.0, 5486.0, 5615.0, 5559.0, 5536.0, 5251.0, 5590.0, 5714.0, 5276.0, 5578.0, 5444.0, 5655.0, 5587.0, 5709.0, 5461.0, 5497.0, 5415.0, 5314.0, 5686.0, 5548.0, 5259.0, 5588.0, 5524.0, 5692.0, 5527.0, 5441.0, 5617.0 (number of hits: 4)
17	5540	9	1	333	1	5255.0, 5422.0, 5659.0, 5298.0, 5368.0, 5330.0, 5542.0, 5625.0, 5350.0, 5558.0, 5633.0, 5379.0, 5540.0, 5457.0, 5437.0, 5490.0, 5343.0, 5631.0, 5502.0, 5357.0, 5495.0, 5610.0, 5443.0, 5472.0, 5303.0, 5337.0, 5377.0, 5339.0, 5694.0, 5613.0, 5715.0, 5456.0, 5665.0, 5657.0, 5713.0, 5590.0, 5650.0, 5338.0, 5476.0, 5447.0, 5376.0, 5304.0, 5536.0, 5678.0, 5514.0, 5421.0, 5450.0, 5312.0, 5251.0, 5605.0, 5587.0, 5362.0, 5415.0, 5270.0, 5383.0, 5333.0, 5723.0, 5624.0, 5317.0, 5488.0,

						5310.0, 5402.0, 5393.0, 5574.0, 5526.0, 5481.0, 5484.0, 5588.0, 5272.0, 5482.0, 5365.0, 5375.0, 5469.0, 5386.0, 5627.0, 5308.0, 5707.0, 5503.0, 5428.0, 5378.0, 5531.0, 5290.0, 5498.0, 5341.0, 5621.0, 5430.0, 5557.0, 5465.0, 5371.0, 5438.0, 5390.0, 5569.0, 5340.0, 5584.0, 5675.0, 5436.0, 5648.0, 5267.0, 5475.0, 5600.0 (number of hits: 4)
18	5540	9	1	333	1	5445.0, 5294.0, 5481.0, 5579.0, 5561.0, 5273.0, 5614.0, 5434.0, 5549.0, 5616.0, 5313.0, 5573.0, 5427.0, 5389.0, 5691.0, 5376.0, 5640.0, 5586.0, 5324.0, 5346.0, 5410.0, 5654.0, 5629.0, 5679.0, 5555.0, 5397.0, 5443.0, 5615.0, 5603.0, 5535.0, 5610.0, 5605.0, 5414.0, 5321.0, 5395.0, 5275.0, 5704.0, 5343.0, 5682.0, 5357.0, 5574.0, 5678.0, 5338.0, 5353.0, 5602.0, 5267.0, 5307.0, 5681.0, 5468.0, 5715.0, 5487.0, 5386.0, 5335.0, 5471.0, 5512.0, 5703.0, 5304.0, 5644.0, 5506.0, 5571.0, 5399.0, 5518.0, 5554.0, 5572.0, 5424.0, 5701.0, 5452.0, 5303.0, 5632.0, 5402.0, 5600.0, 5708.0, 5252.0, 5544.0, 5530.0, 5520.0, 5329.0, 5470.0, 5287.0, 5347.0, 5490.0, 5463.0, 5596.0, 5385.0, 5466.0, 5510.0, 5455.0, 5502.0, 5379.0, 5656.0, 5422.0, 5457.0, 5334.0, 5283.0, 5624.0, 5369.0, 5634.0, 5291.0, 5356.0, 5608.0 (number of hits: 4)
19	5540	9	1	333	1	5682.0, 5718.0, 5361.0, 5555.0, 5542.0, 5486.0, 5684.0, 5383.0, 5354.0, 5554.0, 5394.0, 5596.0, 5466.0, 5428.0, 5372.0, 5520.0, 5633.0, 5698.0, 5561.0, 5350.0, 5525.0, 5460.0, 5495.0, 5590.0, 5482.0, 5387.0, 5693.0, 5546.0, 5515.0, 5373.0, 5382.0, 5435.0, 5464.0, 5444.0, 5704.0, 5564.0, 5309.0, 5650.0, 5551.0, 5708.0, 5297.0, 5602.0, 5539.0, 5615.0, 5636.0, 5358.0, 5706.0, 5443.0, 5455.0, 5710.0, 5458.0, 5480.0, 5289.0, 5556.0, 5465.0, 5628.0, 5453.0, 5667.0, 5685.0, 5261.0, 5647.0, 5553.0, 5616.0, 5393.0, 5652.0, 5395.0, 5562.0, 5621.0, 5717.0, 5658.0, 5567.0, 5552.0, 5635.0, 5575.0, 5649.0, 5696.0, 5691.0, 5400.0, 5686.0, 5312.0, 5533.0, 5637.0, 5488.0, 5626.0, 5675.0, 5511.0, 5376.0, 5642.0, 5425.0, 5322.0, 5521.0, 5697.0, 5441.0, 5317.0, 5645.0, 5274.0, 5298.0, 5282.0, 5481.0, 5472.0 (number of hits: 4)
20	5540	9	1	333	1	5577.0, 5462.0, 5486.0, 5283.0, 5464.0, 5554.0, 5474.0, 5378.0, 5353.0, 5267.0, 5538.0, 5594.0, 5374.0, 5423.0, 5718.0, 5555.0, 5583.0, 5328.0, 5542.0, 5342.0, 5294.0, 5494.0, 5315.0, 5301.0, 5380.0, 5665.0, 5385.0, 5553.0, 5281.0, 5356.0, 5449.0, 5351.0, 5371.0, 5398.0, 5619.0, 5396.0, 5390.0, 5529.0, 5334.0, 5336.0,

						5429.0, 5641.0, 5421.0, 5265.0, 5701.0, 5324.0, 5460.0, 5659.0, 5510.0, 5523.0, 5635.0, 5614.0, 5715.0, 5422.0, 5286.0, 5668.0, 5678.0, 5645.0, 5527.0, 5620.0, 5655.0, 5344.0, 5417.0, 5560.0, 5611.0, 5485.0, 5700.0, 5465.0, 5572.0, 5522.0, 5379.0, 5524.0, 5467.0, 5580.0, 5585.0, 5680.0, 5477.0, 5300.0, 5287.0, 5299.0, 5444.0, 5714.0, 5662.0, 5382.0, 5704.0, 5633.0, 5472.0, 5291.0, 5698.0, 5532.0, 5481.0, 5672.0, 5622.0, 5376.0, 5438.0, 5499.0, 5476.0, 5495.0, 5642.0, 5443.0 (number of hits: 3)
21	5540	9	1	333	1	5315.0, 5575.0, 5412.0, 5559.0, 5672.0, 5475.0, 5616.0, 5303.0, 5722.0, 5609.0, 5419.0, 5284.0, 5711.0, 5644.0, 5649.0, 5617.0, 5414.0, 5610.0, 5522.0, 5282.0, 5653.0, 5587.0, 5511.0, 5578.0, 5651.0, 5716.0, 5268.0, 5603.0, 5410.0, 5393.0, 5671.0, 5346.0, 5661.0, 5465.0, 5655.0, 5717.0, 5579.0, 5257.0, 5536.0, 5461.0, 5567.0, 5703.0, 5699.0, 5646.0, 5408.0, 5314.0, 5626.0, 5288.0, 5391.0, 5311.0, 5525.0, 5476.0, 5566.0, 5368.0, 5695.0, 5529.0, 5407.0, 5670.0, 5509.0, 5389.0, 5362.0, 5694.0, 5428.0, 5263.0, 5705.0, 5348.0, 5592.0, 5689.0, 5445.0, 5682.0, 5357.0, 5573.0, 5337.0, 5505.0, 5380.0, 5255.0, 5684.0, 5513.0, 5466.0, 5643.0, 5630.0, 5668.0, 5441.0, 5399.0, 5558.0, 5336.0, 5302.0, 5444.0, 5354.0, 5712.0, 5698.0, 5463.0, 5602.0, 5305.0, 5544.0, 5593.0, 5319.0, 5718.0, 5692.0, 5713.0 (number of hits: 2)
22	5540	9	1	333	1	5656.0, 5370.0, 5256.0, 5674.0, 5415.0, 5719.0, 5275.0, 5267.0, 5545.0, 5381.0, 5480.0, 5682.0, 5631.0, 5278.0, 5419.0, 5529.0, 5294.0, 5291.0, 5634.0, 5305.0, 5523.0, 5651.0, 5274.0, 5572.0, 5582.0, 5289.0, 5421.0, 5337.0, 5379.0, 5475.0, 5555.0, 5282.0, 5677.0, 5442.0, 5461.0, 5250.0, 5585.0, 5652.0, 5330.0, 5352.0, 5586.0, 5266.0, 5498.0, 5304.0, 5657.0, 5721.0, 5641.0, 5609.0, 5263.0, 5530.0, 5551.0, 5377.0, 5279.0, 5474.0, 5701.0, 5600.0, 5482.0, 5548.0, 5333.0, 5348.0, 5584.0, 5434.0, 5564.0, 5594.0, 5605.0, 5709.0, 5358.0, 5695.0, 5647.0, 5597.0, 5407.0, 5376.0, 5357.0, 5536.0, 5621.0, 5704.0, 5416.0, 5671.0, 5678.0, 5455.0, 5714.0, 5394.0, 5509.0, 5320.0, 5375.0, 5439.0, 5383.0, 5290.0, 5336.0, 5413.0, 5538.0, 5369.0, 5521.0, 5489.0, 5635.0, 5543.0, 5328.0, 5595.0, 5716.0, 5581.0 (number of hits: 6)
23	5540	9	1	333	1	5332.0, 5514.0, 5686.0, 5252.0, 5458.0, 5690.0, 5538.0, 5665.0, 5408.0, 5524.0, 5715.0, 5589.0, 5502.0, 5596.0, 5294.0, 5640.0, 5374.0, 5416.0, 5451.0, 5501.0,

						5641.0, 5698.0, 5483.0, 5309.0, 5706.0, 5521.0, 5345.0, 5372.0, 5663.0, 5318.0, 5400.0, 5380.0, 5556.0, 5381.0, 5685.0, 5634.0, 5319.0, 5688.0, 5424.0, 5335.0, 5570.0, 5407.0, 5257.0, 5584.0, 5523.0, 5322.0, 5693.0, 5379.0, 5709.0, 5382.0, 5367.0, 5305.0, 5716.0, 5282.0, 5448.0, 5352.0, 5404.0, 5264.0, 5443.0, 5263.0, 5347.0, 5438.0, 5530.0, 5577.0, 5591.0, 5273.0, 5580.0, 5683.0, 5413.0, 5268.0, 5403.0, 5498.0, 5705.0, 5531.0, 5296.0, 5436.0, 5276.0, 5532.0, 5628.0, 5492.0, 5348.0, 5533.0, 5671.0, 5357.0, 5321.0, 5655.0, 5649.0, 5667.0, 5450.0, 5280.0, 5540.0, 5617.0, 5565.0, 5290.0, 5340.0, 5679.0, 5618.0, 5611.0, 5325.0, 5620.0 (number of hits: 6)
24	5540	9	1	333	1	5395.0, 5578.0, 5629.0, 5621.0, 5667.0, 5722.0, 5669.0, 5326.0, 5555.0, 5720.0, 5710.0, 5529.0, 5393.0, 5542.0, 5580.0, 5633.0, 5504.0, 5518.0, 5548.0, 5270.0, 5709.0, 5369.0, 5481.0, 5572.0, 5312.0, 5489.0, 5605.0, 5271.0, 5564.0, 5600.0, 5653.0, 5531.0, 5261.0, 5546.0, 5587.0, 5677.0, 5614.0, 5292.0, 5267.0, 5637.0, 5282.0, 5651.0, 5462.0, 5685.0, 5416.0, 5705.0, 5428.0, 5308.0, 5406.0, 5275.0, 5516.0, 5347.0, 5576.0, 5574.0, 5641.0, 5255.0, 5467.0, 5716.0, 5402.0, 5687.0, 5497.0, 5349.0, 5643.0, 5453.0, 5394.0, 5673.0, 5339.0, 5352.0, 5660.0, 5359.0, 5679.0, 5689.0, 5597.0, 5680.0, 5646.0, 5409.0, 5583.0, 5258.0, 5519.0, 5354.0, 5475.0, 5706.0, 5285.0, 5490.0, 5645.0, 5701.0, 5584.0, 5383.0, 5451.0, 5554.0, 5252.0, 5562.0, 5627.0, 5319.0, 5457.0, 5404.0, 5688.0, 5494.0, 5525.0, 5647.0 (number of hits: 4)
25	5540	9	1	333	1	5603.0, 5428.0, 5331.0, 5638.0, 5334.0, 5341.0, 5266.0, 5279.0, 5522.0, 5456.0, 5256.0, 5532.0, 5479.0, 5272.0, 5542.0, 5276.0, 5586.0, 5370.0, 5489.0, 5317.0, 5402.0, 5468.0, 5594.0, 5567.0, 5602.0, 5483.0, 5301.0, 5671.0, 5467.0, 5355.0, 5683.0, 5588.0, 5552.0, 5459.0, 5444.0, 5339.0, 5580.0, 5659.0, 5278.0, 5719.0, 5419.0, 5474.0, 5433.0, 5350.0, 5505.0, 5556.0, 5316.0, 5404.0, 5252.0, 5347.0, 5577.0, 5423.0, 5646.0, 5651.0, 5460.0, 5365.0, 5717.0, 5605.0, 5667.0, 5507.0, 5349.0, 5396.0, 5480.0, 5381.0, 5529.0, 5414.0, 5547.0, 5617.0, 5477.0, 5431.0, 5698.0, 5501.0, 5578.0, 5526.0, 5366.0, 5473.0, 5342.0, 5280.0, 5321.0, 5503.0, 5352.0, 5325.0, 5377.0, 5421.0, 5587.0, 5492.0, 5320.0, 5290.0, 5642.0, 5401.0, 5610.0, 5566.0, 5557.0, 5275.0, 5611.0, 5345.0, 5620.0, 5271.0, 5270.0, 5689.0 (number of hits: 3)

26	5540	9	1	333	1	5514.0, 5706.0, 5683.0, 5406.0, 5694.0, 5353.0, 5609.0, 5688.0, 5323.0, 5593.0, 5659.0, 5387.0, 5495.0, 5580.0, 5359.0, 5358.0, 5709.0, 5271.0, 5493.0, 5710.0, 5420.0, 5682.0, 5312.0, 5368.0, 5718.0, 5428.0, 5656.0, 5571.0, 5427.0, 5541.0, 5519.0, 5510.0, 5254.0, 5488.0, 5295.0, 5486.0, 5536.0, 5462.0, 5687.0, 5686.0, 5684.0, 5272.0, 5331.0, 5426.0, 5250.0, 5362.0, 5562.0, 5482.0, 5299.0, 5473.0, 5567.0, 5696.0, 5689.0, 5441.0, 5532.0, 5401.0, 5381.0, 5425.0, 5475.0, 5533.0, 5266.0, 5679.0, 5363.0, 5644.0, 5542.0, 5311.0, 5612.0, 5597.0, 5517.0, 5584.0, 5303.0, 5349.0, 5417.0, 5590.0, 5546.0, 5598.0, 5524.0, 5280.0, 5409.0, 5569.0, 5283.0, 5627.0, 5288.0, 5463.0, 5436.0, 5559.0, 5256.0, 5305.0, 5356.0, 5394.0, 5267.0, 5543.0, 5469.0, 5657.0, 5320.0, 5494.0, 5467.0, 5382.0, 5711.0, 5496.0 (number of hits: 7)
27	5540	9	1	333	1	5654.0, 5542.0, 5632.0, 5604.0, 5360.0, 5520.0, 5434.0, 5361.0, 5399.0, 5354.0, 5352.0, 5636.0, 5282.0, 5319.0, 5706.0, 5669.0, 5671.0, 5468.0, 5270.0, 5634.0, 5628.0, 5561.0, 5581.0, 5514.0, 5301.0, 5678.0, 5586.0, 5470.0, 5657.0, 5607.0, 5493.0, 5366.0, 5601.0, 5557.0, 5677.0, 5377.0, 5555.0, 5402.0, 5426.0, 5580.0, 5639.0, 5662.0, 5285.0, 5582.0, 5276.0, 5564.0, 5715.0, 5471.0, 5550.0, 5486.0, 5311.0, 5395.0, 5546.0, 5619.0, 5638.0, 5396.0, 5432.0, 5482.0, 5675.0, 5621.0, 5347.0, 5336.0, 5615.0, 5663.0, 5709.0, 5605.0, 5293.0, 5579.0, 5497.0, 5257.0, 5269.0, 5456.0, 5341.0, 5721.0, 5602.0, 5543.0, 5294.0, 5391.0, 5414.0, 5447.0, 5649.0, 5633.0, 5389.0, 5431.0, 5339.0, 5338.0, 5578.0, 5392.0, 5692.0, 5273.0, 5299.0, 5720.0, 5353.0, 5519.0, 5530.0, 5640.0, 5268.0, 5704.0, 5694.0, 5612.0 (number of hits: 4)
28	5540	9	1	333	1	5278.0, 5522.0, 5418.0, 5610.0, 5383.0, 5720.0, 5701.0, 5714.0, 5689.0, 5408.0, 5449.0, 5666.0, 5253.0, 5537.0, 5659.0, 5450.0, 5601.0, 5359.0, 5264.0, 5596.0, 5320.0, 5704.0, 5648.0, 5593.0, 5498.0, 5511.0, 5699.0, 5293.0, 5424.0, 5632.0, 5521.0, 5592.0, 5393.0, 5548.0, 5507.0, 5683.0, 5671.0, 5444.0, 5298.0, 5706.0, 5262.0, 5479.0, 5323.0, 5462.0, 5538.0, 5288.0, 5412.0, 5391.0, 5512.0, 5603.0, 5372.0, 5686.0, 5309.0, 5619.0, 5676.0, 5669.0, 5652.0, 5624.0, 5426.0, 5381.0, 5591.0, 5541.0, 5256.0, 5672.0, 5417.0, 5345.0, 5588.0, 5564.0, 5260.0, 5401.0, 5337.0, 5552.0, 5702.0, 5437.0, 5474.0, 5343.0, 5270.0, 5576.0, 5463.0, 5514.0, 5618.0, 5410.0, 5620.0, 5467.0, 5718.0,

						5398.0, 5373.0, 5572.0, 5628.0, 5621.0, 5698.0, 5533.0, 5429.0, 5641.0, 5612.0, 5291.0, 5646.0, 5674.0, 5560.0, 5261.0 (number of hits: 5)
29	5540	9	1	333	1	5459.0, 5315.0, 5441.0, 5688.0, 5636.0, 5378.0, 5463.0, 5568.0, 5349.0, 5691.0, 5596.0, 5264.0, 5584.0, 5682.0, 5505.0, 5484.0, 5594.0, 5668.0, 5549.0, 5422.0, 5383.0, 5527.0, 5623.0, 5348.0, 5337.0, 5334.0, 5356.0, 5480.0, 5477.0, 5354.0, 5531.0, 5273.0, 5656.0, 5408.0, 5622.0, 5482.0, 5451.0, 5312.0, 5556.0, 5706.0, 5521.0, 5591.0, 5496.0, 5458.0, 5517.0, 5642.0, 5343.0, 5530.0, 5427.0, 5457.0, 5267.0, 5565.0, 5331.0, 5321.0, 5672.0, 5551.0, 5347.0, 5503.0, 5699.0, 5342.0, 5679.0, 5379.0, 5369.0, 5275.0, 5391.0, 5296.0, 5425.0, 5360.0, 5667.0, 5510.0, 5380.0, 5370.0, 5290.0, 5306.0, 5654.0, 5560.0, 5546.0, 5284.0, 5564.0, 5384.0, 5583.0, 5515.0, 5322.0, 5278.0, 5635.0, 5554.0, 5595.0, 5444.0, 5416.0, 5493.0, 5314.0, 5634.0, 5690.0, 5563.0, 5525.0, 5698.0, 5439.0, 5608.0, 5285.0, 5598.0 (number of hits: 4)
30	5540	9	1	333	1	5499.0, 5423.0, 5307.0, 5593.0, 5624.0, 5358.0, 5697.0, 5409.0, 5256.0, 5260.0, 5649.0, 5365.0, 5579.0, 5694.0, 5714.0, 5600.0, 5683.0, 5515.0, 5542.0, 5271.0, 5495.0, 5302.0, 5275.0, 5250.0, 5334.0, 5362.0, 5640.0, 5327.0, 5449.0, 5517.0, 5325.0, 5433.0, 5514.0, 5298.0, 5253.0, 5290.0, 5419.0, 5578.0, 5407.0, 5684.0, 5643.0, 5502.0, 5414.0, 5444.0, 5533.0, 5569.0, 5402.0, 5349.0, 5691.0, 5436.0, 5629.0, 5511.0, 5633.0, 5282.0, 5701.0, 5326.0, 5401.0, 5671.0, 5400.0, 5618.0, 5366.0, 5418.0, 5321.0, 5712.0, 5536.0, 5637.0, 5374.0, 5591.0, 5656.0, 5693.0, 5368.0, 5500.0, 5707.0, 5687.0, 5498.0, 5258.0, 5335.0, 5584.0, 5585.0, 5337.0, 5552.0, 5545.0, 5356.0, 5346.0, 5359.0, 5410.0, 5565.0, 5350.0, 5331.0, 5654.0, 5525.0, 5482.0, 5254.0, 5491.0, 5504.0, 5673.0, 5280.0, 5431.0, 5524.0, 5389.0 (number of hits: 4)

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	100 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	100 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5550 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5550	65	1	818	1
2	5550	68	1	778	1
3	5550	70	1	758	1
4	5550	63	1	838	1
5	5550	62	1	858	1
6	5550	78	1	678	1
7	5550	99	1	538	1
8	5550	83	1	638	1
9	5550	18	1	3066	1
10	5550	67	1	798	1
11	5550	61	1	878	1
12	5550	59	1	898	1
13	5550	89	1	598	1
14	5550	92	1	578	1
15	5550	72	1	738	1
16	5550	98	1	543	1
17	5550	31	1	1747	1
18	5550	42	1	1262	1
19	5550	51	1	1041	1
20	5550	58	1	916	1
21	5550	25	1	2189	1
22	5550	97	1	548	1
23	5550	63	1	850	1
24	5550	80	1	662	1
25	5550	25	1	2125	1
26	5550	68	1	783	1
27	5550	29	1	1860	1
28	5550	33	1	1638	1
29	5550	20	1	2759	1
30	5550	42	1	1261	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	25	4.6	213	1
2	5550	29	4.1	195	1
3	5550	24	4.5	176	1
4	5550	25	2.5	217	1
5	5550	29	3.2	215	1
6	5550	23	2.3	207	1
7	5550	29	5	192	1
8	5550	25	2.3	201	1
9	5550	25	3.1	227	1
10	5550	26	3.4	225	1
11	5550	23	4.1	227	1
12	5550	24	3.8	212	1
13	5550	29	2.3	224	1
14	5550	27	2.5	221	1
15	5550	24	4.9	195	1
16	5550	25	1	208	1
17	5550	28	4	214	1
18	5550	25	2.2	170	1
19	5550	25	1.1	212	1
20	5550	27	3.1	177	1
21	5550	28	1.9	184	1
22	5550	24	1.2	160	1
23	5550	26	1.1	193	1
24	5550	24	3.5	166	1
25	5550	26	4.9	154	1
26	5550	29	3.4	216	1
27	5550	23	4.4	150	1
28	5550	23	1.2	170	1
29	5550	25	1.3	216	1
30	5550	26	4.5	185	1

Detection Percentage: 100 % (>60%)

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	17	8	367	1
2	5550	16	9.3	454	1
3	5550	17	8	431	1
4	5550	18	8.8	410	1
5	5550	17	6.6	321	1
6	5550	18	7.8	464	1
7	5550	18	8.8	206	1
8	5550	16	6.5	295	1
9	5550	16	8.4	215	1
10	5550	17	6.5	477	1
11	5550	17	8.5	487	1
12	5550	17	6.5	384	1
13	5550	18	7.6	368	1
14	5550	17	8.3	467	1
15	5550	16	9	373	1
16	5550	18	6.3	330	1
17	5550	16	7.4	318	1
18	5550	18	8.9	284	1
19	5550	18	8	491	1
20	5550	18	9.4	248	1
21	5550	16	7.1	377	1
22	5550	18	7.1	462	1
23	5550	16	6.9	464	1
24	5550	16	7.1	355	1
25	5550	18	7.2	418	1
26	5550	16	7.3	267	1
27	5550	16	9.6	314	1
28	5550	16	6.5	454	1
29	5550	17	9.6	307	1
30	5550	17	8.6	378	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	16	11.3	428	1
2	5550	16	18.3	447	1
3	5550	14	19.3	465	1
4	5550	13	14.3	420	1
5	5550	16	19.4	436	1
6	5550	13	12.8	379	1
7	5550	16	14.2	229	1
8	5550	13	17.8	285	1
9	5550	13	13.3	322	1
10	5550	13	14.7	441	1
11	5550	13	13.1	292	1
12	5550	13	19.4	288	1
13	5550	13	14.7	461	1
14	5550	12	19.7	373	1
15	5550	15	18.9	406	1
16	5550	15	12.7	208	1
17	5550	16	12.1	369	1
18	5550	15	16.5	382	1
19	5550	16	12.6	395	1
20	5550	16	13.9	253	1
21	5550	14	17.3	401	1
22	5550	15	18.6	478	1
23	5550	13	15.3	490	1
24	5550	15	18.5	493	1
25	5550	15	18.4	263	1
26	5550	16	13.6	426	1
27	5550	14	18.7	269	1
28	5550	15	15	332	1
29	5550	13	18.5	355	1
30	5550	15	12.6	500	1
Detection Percentage: 100 % (>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	5575.8	1
11	5572.2	1
12	5573.8	1
13	5571.8	1
14	5571.8	1
15	5575	1
16	5576.2	1
17	5575.4	1
18	5571.4	1
19	5572.2	1
20	5573	1
21	5576.6	1
22	5574.2	1
23	5571.4	1
24	5574.2	1
25	5572.6	1
26	5573	1
27	5572.6	1
28	5576.6	1
29	5576.6	1
30	5573	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	55.8			0.403228	
1	1	16	76.3			1.606548	
2	2	16	80.1	1365		3.753718	
3	1	16	99.2			5.580678	
4	1	16	86.1			7.02923	1
5	3	16	52.7	1987	1670	8.196996	
6	3	16	55.1	1589	1841	10.150738	
7	2	16	86.7	1033		10.741226	

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	8	98	1968	1094	0.676574	
1	2	8	80.6	1648		2.485749	
2	3	8	52.6	1604	1226	4.36554	
3	2	8	87.5	1580		5.305323	
4	2	8	96.8	1506		6.592372	1
5	2	8	73	1997		7.730407	
6	2	8	85.8	1844		9.239992	
7	2	8	98.1	1494		11.459489	

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	19	59.3	1204		0.079909	
1	2	19	85.2	1105		0.786602	
2	3	19	76.9	1592	1567	1.529625	
3	2	19	77.9	1951		2.371302	
4	1	19	66.7			3.098579	
5	1	19	74.1			3.860104	
6	3	19	85.8	1896	1680	4.52817	
7	2	19	86.6	1626		5.196919	
8	2	19	56.6	1257		5.807823	1
9	1	19	61			6.383761	
10	3	19	80.1	1191	1589	7.517971	
11	1	19	52.6			7.967067	
12	2	19	96.7	1866		8.565862	
13	1	19	83			9.413923	
14	2	19	94.9	1611		10.091276	
15	2	19	93.8	1960		11.01533	
16	3	19	93.3	1229	1572	11.993875	

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	56.5	1014		0.131233	
1	3	8	87.4	1290	1965	1.12975	
2	3	8	66.9	1955	1426	2.114831	
3	2	8	68.2	1592		2.346035	
4	1	8	81.3			3.558648	
5	2	8	95.4	1967		4.067356	
6	1	8	59.9			4.844184	
7	2	8	63.7	1754		5.85061	
8	2	8	66.2	1964		6.464641	1
9	1	8	52.4			7.445921	
10	2	8	62.5	1564		7.766739	
11	2	8	93.9	1246		8.8526	
12	2	8	54.8	1822		9.435224	
13	2	8	54.3	1010		10.077096	
14	2	8	56.4	1929		11.123903	
15	3	8	69.3	1294	1686	11.731115	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	57	1268	1705	0.029063	
1	1	5	69.5			1.482738	
2	2	5	59.1	1673		2.725043	
3	2	5	67	1119		4.387442	
4	2	5	55.5	1480		5.037108	
5	2	5	73.8	1098		6.805888	1
6	1	5	95.1			8.107715	
7	3	5	86.5	1191	1529	8.770429	
8	2	5	79.8	1610		10.301614	
9	3	5	60.3	1346	1488	11.55536	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	73.9			0.18192	
1	2	14	57.9	1472		2.200133	
2	3	14	89	1974	1326	3.285832	
3	1	14	54			4.634745	
4	2	14	93.1	1589		6.306255	1
5	2	14	91.6	1951		6.99721	
6	3	14	94.3	1776	1337	9.127695	
7	2	14	77	1831		9.501177	
8	2	14	57.3	1259		11.620052	

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	55.6	1346		0.231237	
1	1	7	97.7			1.083871	
2	2	7	79.1	1088		1.885494	
3	2	7	98.7	1233		2.052759	
4	2	7	93.7	1348		3.001061	
5	2	7	88.2	1809		3.427334	
6	3	7	86.9	1847	1579	4.116996	
7	1	7	62.5			4.517093	
8	3	7	89.9	1148	1451	5.319302	
9	3	7	89.2	1063	1479	6.201462	
10	1	7	65			6.69865	1
11	3	7	78.7	1056	1373	7.111629	
12	2	7	60.2	1279		7.60821	
13	2	7	77.2	1858		8.509877	
14	2	7	55.3	1507		8.905732	
15	3	7	75.5	1403	1559	10.000946	
16	2	7	86.7	1784		10.31914	
17	2	7	88.8	1127		11.206172	
18	1	7	73.2			11.528481	

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	93.1	1058		1.250361	
1	3	8	61.9	1764	1954	1.647489	
2	2	8	72.4	1955		3.155231	
3	1	8	61.6			4.926452	
4	3	8	54.8	1964	1630	6.771404	1
5	1	8	81.3			8.873481	
6	1	8	73.1			9.541632	
7	2	8	65.8	1968		11.065138	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	51.4	1910		0.959372	
1	2	14	58.5	1891		1.536732	
2	2	14	92.3	1613		2.897422	
3	2	14	81	1179		5.045853	
4	2	14	76.7	1768		6.325232	1
5	3	14	60.4	1621	1364	6.715541	
6	2	14	57.3	1802		8.01872	
7	2	14	77.7	1948		9.487999	
8	2	14	86.3	1452		10.725691	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	83.3	1281	1979	0.008379	
1	3	8	71.9	1943	1935	1.622095	
2	2	8	72.6	1354		2.37013	
3	2	8	67.8	1735		2.914183	
4	2	8	89.5	1025		4.106079	
5	2	8	59.7	1869		5.137252	
6	1	8	87.5			6.048312	1
7	3	8	96.8	1740	1784	7.118677	
8	2	8	72.8	1196		7.618028	
9	2	8	86.1	1653		8.722574	
10	1	8	59.7			9.423195	
11	3	8	67.8	1732	1383	10.224221	
12	3	8	62.1	1659	1388	11.088968	

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	17	54.7	1974	1977	0.053514	
1	2	17	56.4	1992		0.937389	
2	3	17	96.5	1422	1165	1.54347	
3	2	17	77.7	1086		2.5163	
4	1	17	92.5			3.08842	
5	2	17	59.9	1326		4.179849	
6	1	17	74.6			4.374143	
7	1	17	55.9			5.565333	
8	1	17	87			5.737962	1
9	2	17	61.5	1814		6.81575	
10	2	17	52.1	1815		7.638589	
11	1	17	74			8.036362	
12	2	17	82	1717		8.891278	
13	2	17	56.9	1603		9.576738	
14	2	17	81.5	1926		10.534297	
15	1	17	79.2			10.650462	
16	2	17	89.5	1616		11.471576	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	55.8			0.627819	
1	2	8	51.3	1288		1.164633	
2	2	8	73.3	1854		2.378946	
3	2	8	59.8	1188		2.967458	
4	1	8	62.5			4.192874	
5	2	8	72	1556		4.997403	
6	2	8	86.8	1027		5.775264	
7	3	8	84.3	1521	1054	6.112105	1
8	2	8	76	1155		7.031722	
9	1	8	57.4			8.233797	
10	2	8	58	1382		8.775695	
11	2	8	65.9	1831		9.749344	
12	2	8	51.5	1659		10.316973	
13	3	8	84.8	1255	1655	11.36846	

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	82	1753		0.604314	
1	2	12	60.5	1813		1.059659	
2	3	12	86.7	1345	1183	1.602681	
3	2	12	99.7	1840		2.2488	
4	2	12	64.9	1201		2.579149	
5	3	12	73.8	1801	1151	3.757127	
6	1	12	76			4.106537	
7	2	12	97.4	1381		4.692171	
8	2	12	69.8	1423		5.311448	
9	3	12	79.3	1974	1136	5.954626	1
10	2	12	86.3	1852		6.67997	
11	2	12	70.8	1342		7.347741	
12	3	12	91.3	1977	1881	7.677358	
13	2	12	76.3	1666		8.467121	
14	1	12	51.9			9.062885	
15	2	12	72.7	1724		9.51466	
16	1	12	96.4			10.295623	
17	2	12	79.7	1206		10.78498	
18	3	12	84.8	1845	1840	11.748908	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	62.2			0.899316	
1	1	7	88.3			1.906627	
2	2	7	53.9	1142		2.611173	
3	2	7	75.8	1110		3.684159	
4	1	7	91.2			4.150247	
5	3	7	99.2	1527	1087	5.36775	1
6	2	7	51.9	1248		6.834084	
7	3	7	71.8	1808	1937	7.151436	
8	3	7	55.4	1057	1850	8.073581	
9	3	7	70.3	1451	1647	9.675035	
10	2	7	55.2	1936		10.092879	
11	2	7	59.9	1467		11.877041	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	55.4	1877		0.357417	
1	1	7	77.1			1.936124	
2	2	7	71.2	1714		2.977876	
3	3	7	73.8	1079	1766	3.168134	
4	1	7	70.1			4.188363	
5	1	7	98.3			5.496872	
6	2	7	56.6	1438		6.780161	1
7	2	7	85.3	1149		7.274689	
8	3	7	86.5	1339	1979	8.418921	
9	2	7	59.6	1223		9.621046	
10	2	7	91.3	1865		10.183218	
11	2	7	82.7	1535		11.035725	

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	15	72.4			0.289353	
1	2	15	85.1	1715		0.978712	
2	2	15	79.7	1855		1.459897	
3	2	15	53.7	1832		2.592813	
4	2	15	80.3	1922		2.671861	
5	3	15	83.6	1849	1459	3.87708	
6	1	15	95			4.282563	
7	2	15	70	1002		5.182793	
8	3	15	55.4	1043	1757	5.694678	
9	3	15	92.9	1372	1201	6.362928	1
10	1	15	86.4			6.987485	
11	2	15	63.7	1523		7.539558	
12	1	15	87.9			8.200249	
13	1	15	60.6			8.948441	
14	3	15	84.4	1148	1550	9.60968	
15	2	15	72.4	1666		10.154991	
16	3	15	55.3	1889	1293	10.681672	
17	2	15	89.9	1424		11.585111	

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	18	79.8	1480		0.154509	
1	1	18	78.7			1.230713	
2	3	18	62	1293	1804	1.970449	
3	3	18	62.4	1335	1780	2.638546	
4	2	18	83.2	1189		3.72003	
5	2	18	70	1768		4.020533	
6	2	18	86.3	1970		5.297141	
7	2	18	98.6	1847		5.899199	1
8	2	18	98.5	1630		6.684526	
9	1	18	57.6			7.420522	
10	2	18	74.9	1120		8.481166	
11	3	18	66.2	1429	1661	9.299279	
12	2	18	88.9	1780		10.235442	
13	1	18	78.1			10.900892	
14	2	18	51.7	1609		11.341398	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	60.2			0.191923	
1	2	16	87.6	1832		1.215931	
2	3	16	90.7	1282	1666	1.543986	
3	3	16	55.9	1544	1920	2.34823	
4	1	16	84			3.418453	
5	2	16	85.5	1661		4.348424	
6	3	16	56.2	1239	1437	4.544733	
7	2	16	83.7	1883		5.364249	
8	1	16	67.4			6.217315	1
9	1	16	98			7.281754	
10	2	16	86.7	1553		7.630937	
11	2	16	95.4	1073		8.701776	
12	2	16	71.2	1855		9.304924	
13	3	16	66.2	1526	1871	10.078943	
14	2	16	97.3	1280		10.784146	
15	2	16	80.1	1980		11.461275	

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	69.5	1009		0.676649	
1	1	6	80.2			1.789198	
2	1	6	71.4			2.725678	
3	2	6	78.3	1385		3.808625	
4	2	6	69.3	1853		4.596578	
5	2	6	75.2	1199		5.961267	1
6	2	6	77.4	1123		6.838929	
7	1	6	95.4			7.957748	
8	3	6	80.4	1265	1245	9.023165	
9	1	6	83.7			10.552002	
10	1	6	60.5			11.336917	

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	82	1944		0.631447	
1	1	8	80.9			2.178704	
2	2	8	50.8	1929		3.068594	
3	1	8	96.3			5.947493	1
4	2	8	76	1166		6.559312	
5	3	8	73.3	1297	1162	8.220756	
6	1	8	99.3			9.313135	
7	1	8	97.3			11.618856	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	90.5	1362		0.287542	
1	2	10	61.7	1578		2.117346	
2	1	10	51			3.609205	
3	1	10	56.5			5.041163	
4	2	10	93.5	1524		5.919654	1
5	3	10	99	1779	1767	6.897054	
6	1	10	56			9.280852	
7	2	10	85.1	1357		10.520881	
8	1	10	54.7			10.892998	

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	19	63.8			0.842372	
1	3	19	91.3	1081	1977	1.440471	
2	1	19	84.6			3.188657	
3	2	19	78.3	1105		4.006132	
4	2	19	74.1	1213		5.287536	1
5	3	19	80.4	1681	1532	6.35983	
6	3	19	73.4	1784	1068	7.26797	
7	3	19	64.6	1480	1788	9.144097	
8	2	19	82.4	1169		10.042882	
9	1	19	79.8			10.800873	

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	13	87.6			0.628105	
1	1	13	76.4			1.622729	
2	2	13	51	1188		2.517108	
3	1	13	84.7			4.413049	
4	1	13	71.3			4.988724	
5	1	13	62.8			6.468638	1
6	1	13	54.7			8.220698	
7	2	13	86.6	1193		8.854632	
8	3	13	90.9	1290	1584	9.890999	
9	2	13	96	1296		10.938903	

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	77.5	1836		0.936522	
1	1	6	97.5			1.824324	
2	2	6	92.6	1460		2.713404	
3	1	6	54.7			4.16806	
4	1	6	59.4			4.865248	
5	1	6	73.6			6.075359	1
6	3	6	60.3	1614	1327	6.956887	
7	2	6	56.7	1973		7.650461	
8	2	6	76.8	1321		9.162759	
9	3	6	81.4	1448	1253	10.753835	
10	2	6	75.3	1259		11.253555	

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	78.5	1703		0.530799	
1	3	13	75.5	1502	1413	0.915971	
2	3	13	87.6	1828	1582	2.186998	
3	2	13	79.7	1899		2.968198	
4	3	13	64.7	1415	1723	3.867163	
5	3	13	75.8	1437	1415	4.471197	
6	2	13	81.7	1081		5.183922	
7	2	13	91	1147		5.901467	1
8	1	13	65			6.58883	
9	2	13	57.2	1541		7.300383	
10	2	13	51.3	1176		8.596797	
11	2	13	69.7	1393		8.847741	
12	2	13	66.6	1979		9.986125	
13	2	13	58.1	1478		11.144209	
14	2	13	78.2	1882		11.333254	

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	9	93.7			0.136313	
1	2	9	52.7	1877		0.912063	
2	2	9	82.9	1222		1.765974	
3	2	9	91.9	1114		2.059476	
4	3	9	94.9	1117	1722	2.63064	
5	2	9	81	1330		3.44447	
6	1	9	97.7			3.825068	
7	2	9	94.2	1189		4.474596	
8	1	9	66.1			4.982967	
9	2	9	50.6	1174		5.886444	1
10	3	9	94.9	1571	1804	6.346639	
11	2	9	88.7	1310		6.70965	
12	2	9	65.7	1006		7.240966	
13	3	9	99.1	1727	1588	8.336717	
14	1	9	96			8.75044	
15	2	9	61.2	1928		9.578919	
16	3	9	55	1093	1292	10.186289	
17	1	9	99			10.375143	
18	1	9	66.1			11.318208	
19	3	9	70.5	1143	1870	11.507471	

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	10	70.2	1701	1880	0.50104	
1	3	10	73.3	1097	1663	0.898412	
2	3	10	76.9	1652	1381	1.355518	
3	3	10	64.6	1536	1404	2.348633	
4	2	10	94.4	1511		3.299965	
5	1	10	91.2			3.386615	
6	2	10	75.8	1738		4.446782	
7	2	10	86.6	1304		4.871024	
8	2	10	75.8	1240		5.839633	
9	3	10	56.3	1747	1876	6.366027	1
10	1	10	75.2			7.197435	
11	2	10	99.1	1278		7.882788	
12	3	10	53.6	1871	1594	8.294563	
13	1	10	73			8.848555	
14	3	10	92.5	1036	1145	9.500399	
15	2	10	77.6	1438		10.493003	
16	2	10	79.7	1519		10.720823	
17	1	10	59.3			11.50121	

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	9	62.4	1810		0.073223	
1	3	9	97.2	1979	1004	0.935382	
2	3	9	62.7	1204	1059	1.427227	
3	1	9	51			2.588649	
4	2	9	79.6	1649		3.161337	
5	1	9	62.9			3.976073	
6	2	9	89.5	1343		4.671117	
7	1	9	89.5			5.373949	
8	2	9	50.2	1137		5.7119	1
9	1	9	94.2			6.907428	
10	3	9	98.8	1382	1223	7.449342	
11	2	9	73.4	1367		8.393786	
12	1	9	64.2			8.813532	
13	2	9	99.2	1080		9.803945	
14	1	9	60.9			10.275843	
15	2	9	61.4	1717		10.710262	
16	2	9	72.7	1628		11.807237	

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	19	52.4	1396	1904	0.812082	
1	2	19	77.6	1320		1.805142	
2	3	19	93	1024	1206	2.157357	
3	3	19	71.7	1864	1958	3.565609	
4	2	19	90.3	1041		4.219147	
5	2	19	85	1897		4.731815	
6	2	19	69.6	1330		5.643827	1
7	1	19	94			6.77249	
8	1	19	83			7.68366	
9	3	19	97	1535	1295	9.123643	
10	3	19	67.7	1925	1141	9.464906	
11	2	19	52.2	1684		10.564189	
12	2	19	60.1	1644		11.201333	

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	54.6	1776		0.392512	
1	2	19	56.8	1286		1.340492	
2	3	19	71.1	1392	1906	1.9556	
3	3	19	65	1976	1841	2.95347	
4	3	19	56.6	1672	1716	3.662082	
5	2	19	87.7	1200		5.132369	
6	1	19	59.9			5.516405	
7	3	19	85.8	1210	1302	6.674061	1
8	3	19	77.8	1156	1392	7.200552	
9	3	19	50.1	1677	1584	7.900056	
10	3	19	52.7	1465	1117	9.017685	
11	2	19	77.3	1711		9.958621	
12	2	19	58.3	1097		10.822023	
13	2	19	88.5	1392		11.234068	

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	9	1	333	1	5475.0, 5393.0, 5520.0, 5319.0, 5692.0, 5370.0, 5485.0, 5268.0, 5518.0, 5545.0, 5484.0, 5461.0, 5700.0, 5718.0, 5601.0, 5698.0, 5622.0, 5537.0, 5663.0, 5655.0, 5673.0, 5263.0, 5566.0, 5552.0, 5439.0, 5586.0, 5290.0, 5549.0, 5448.0, 5368.0, 5712.0, 5710.0, 5665.0, 5390.0, 5350.0, 5305.0, 5411.0, 5351.0, 5332.0, 5616.0, 5459.0, 5280.0, 5310.0, 5707.0, 5260.0, 5371.0, 5314.0, 5511.0, 5338.0, 5329.0, 5345.0, 5451.0, 5363.0, 5294.0, 5279.0, 5436.0, 5646.0, 5258.0, 5585.0, 5584.0, 5456.0, 5463.0, 5539.0, 5691.0, 5587.0, 5661.0, 5640.0, 5326.0, 5327.0, 5321.0, 5594.0, 5631.0, 5497.0, 5715.0, 5532.0, 5501.0, 5282.0, 5353.0, 5418.0, 5690.0, 5578.0, 5400.0, 5540.0, 5506.0, 5675.0, 5567.0, 5528.0, 5615.0, 5298.0, 5607.0, 5689.0, 5423.0, 5464.0, 5697.0, 5434.0, 5711.0, 5658.0, 5361.0, 5346.0, 5391.0 (number of hits: 9)
2	5550	9	1	333	1	5293.0, 5500.0, 5528.0, 5654.0, 5539.0, 5336.0, 5492.0, 5270.0, 5397.0, 5347.0, 5656.0, 5678.0, 5432.0, 5329.0, 5367.0, 5343.0, 5423.0, 5412.0, 5475.0, 5572.0, 5353.0, 5701.0, 5575.0, 5334.0, 5665.0, 5567.0, 5272.0, 5307.0, 5262.0, 5345.0, 5440.0, 5609.0, 5411.0, 5534.0, 5647.0, 5324.0, 5339.0, 5564.0, 5388.0, 5391.0, 5318.0, 5317.0, 5642.0, 5667.0, 5459.0, 5694.0, 5371.0, 5568.0, 5562.0, 5274.0, 5692.0, 5303.0, 5553.0, 5452.0, 5364.0, 5429.0, 5561.0, 5323.0, 5486.0, 5635.0, 5489.0, 5680.0, 5495.0, 5431.0, 5279.0, 5695.0, 5469.0, 5255.0, 5505.0, 5689.0, 5690.0, 5544.0, 5387.0, 5305.0, 5294.0, 5558.0, 5691.0, 5508.0, 5359.0, 5477.0, 5633.0, 5409.0, 5276.0, 5684.0, 5592.0, 5386.0, 5273.0, 5298.0, 5541.0, 5482.0, 5275.0, 5341.0, 5551.0, 5578.0, 5280.0, 5625.0, 5352.0, 5351.0, 5582.0, 5283.0 (number of hits: 12)
3	5550	9	1	333	1	5653.0, 5386.0, 5297.0, 5337.0, 5415.0, 5619.0, 5349.0, 5568.0, 5683.0, 5722.0, 5327.0, 5312.0, 5383.0, 5284.0, 5542.0, 5503.0, 5717.0, 5476.0, 5676.0, 5525.0, 5319.0, 5518.0, 5631.0, 5424.0, 5454.0, 5252.0, 5513.0, 5654.0, 5329.0, 5363.0, 5516.0, 5689.0, 5704.0, 5461.0, 5567.0, 5422.0, 5502.0, 5647.0, 5410.0, 5637.0, 5359.0, 5392.0, 5348.0, 5560.0, 5701.0, 5322.0, 5630.0, 5547.0, 5370.0, 5657.0, 5593.0, 5479.0, 5548.0, 5434.0, 5295.0,

						5721.0, 5409.0, 5599.0, 5703.0, 5587.0, 5291.0, 5437.0, 5664.0, 5314.0, 5517.0, 5715.0, 5643.0, 5470.0, 5623.0, 5669.0, 5622.0, 5264.0, 5421.0, 5639.0, 5367.0, 5278.0, 5414.0, 5360.0, 5344.0, 5305.0, 5713.0, 5324.0, 5328.0, 5533.0, 5494.0, 5491.0, 5293.0, 5260.0, 5590.0, 5375.0, 5526.0, 5585.0, 5335.0, 5512.0, 5652.0, 5453.0, 5674.0, 5668.0, 5406.0, 5456.0 (number of hits: 7)
4	5550	9	1	333	1	5485.0, 5257.0, 5363.0, 5498.0, 5566.0, 5327.0, 5481.0, 5256.0, 5520.0, 5366.0, 5684.0, 5343.0, 5543.0, 5372.0, 5722.0, 5517.0, 5254.0, 5497.0, 5509.0, 5396.0, 5280.0, 5413.0, 5496.0, 5682.0, 5368.0, 5637.0, 5406.0, 5703.0, 5262.0, 5480.0, 5279.0, 5359.0, 5615.0, 5423.0, 5426.0, 5251.0, 5312.0, 5326.0, 5603.0, 5332.0, 5688.0, 5275.0, 5278.0, 5687.0, 5440.0, 5662.0, 5476.0, 5507.0, 5589.0, 5397.0, 5294.0, 5597.0, 5681.0, 5708.0, 5604.0, 5328.0, 5524.0, 5499.0, 5265.0, 5316.0, 5486.0, 5450.0, 5647.0, 5487.0, 5417.0, 5699.0, 5447.0, 5436.0, 5510.0, 5670.0, 5651.0, 5505.0, 5338.0, 5602.0, 5314.0, 5282.0, 5506.0, 5634.0, 5385.0, 5370.0, 5715.0, 5625.0, 5711.0, 5621.0, 5427.0, 5675.0, 5537.0, 5631.0, 5414.0, 5553.0, 5601.0, 5380.0, 5318.0, 5610.0, 5704.0, 5470.0, 5394.0, 5723.0, 5331.0, 5411.0 (number of hits: 4)
5	5550	9	1	333	1	5304.0, 5712.0, 5649.0, 5506.0, 5701.0, 5624.0, 5386.0, 5279.0, 5486.0, 5399.0, 5568.0, 5344.0, 5266.0, 5396.0, 5615.0, 5723.0, 5300.0, 5463.0, 5428.0, 5704.0, 5699.0, 5355.0, 5365.0, 5563.0, 5409.0, 5476.0, 5439.0, 5607.0, 5446.0, 5640.0, 5258.0, 5548.0, 5350.0, 5503.0, 5672.0, 5707.0, 5465.0, 5601.0, 5444.0, 5681.0, 5460.0, 5362.0, 5327.0, 5633.0, 5505.0, 5667.0, 5562.0, 5510.0, 5634.0, 5507.0, 5582.0, 5336.0, 5714.0, 5713.0, 5421.0, 5393.0, 5368.0, 5498.0, 5412.0, 5346.0, 5593.0, 5589.0, 5497.0, 5482.0, 5525.0, 5427.0, 5531.0, 5296.0, 5656.0, 5390.0, 5685.0, 5305.0, 5261.0, 5275.0, 5605.0, 5651.0, 5515.0, 5623.0, 5688.0, 5359.0, 5612.0, 5659.0, 5534.0, 5292.0, 5485.0, 5670.0, 5272.0, 5337.0, 5278.0, 5609.0, 5492.0, 5286.0, 5526.0, 5285.0, 5709.0, 5620.0, 5306.0, 5331.0, 5669.0, 5662.0 (number of hits: 6)
6	5550	9	1	333	1	5657.0, 5538.0, 5676.0, 5665.0, 5450.0, 5588.0, 5322.0, 5578.0, 5271.0, 5344.0, 5481.0, 5522.0, 5288.0, 5474.0, 5412.0, 5572.0, 5601.0, 5388.0, 5633.0, 5372.0, 5320.0, 5406.0, 5695.0, 5558.0, 5442.0, 5626.0, 5717.0, 5692.0, 5573.0, 5640.0, 5251.0, 5682.0, 5583.0, 5669.0, 5404.0,

						5512.0, 5407.0, 5723.0, 5579.0, 5519.0, 5507.0, 5666.0, 5541.0, 5690.0, 5555.0, 5410.0, 5672.0, 5428.0, 5354.0, 5569.0, 5706.0, 5636.0, 5547.0, 5592.0, 5611.0, 5334.0, 5250.0, 5686.0, 5630.0, 5254.0, 5301.0, 5609.0, 5332.0, 5445.0, 5462.0, 5521.0, 5423.0, 5493.0, 5444.0, 5483.0, 5293.0, 5399.0, 5452.0, 5614.0, 5283.0, 5383.0, 5278.0, 5698.0, 5436.0, 5424.0, 5648.0, 5447.0, 5561.0, 5667.0, 5318.0, 5508.0, 5351.0, 5355.0, 5659.0, 5645.0, 5520.0, 5643.0, 5312.0, 5714.0, 5548.0, 5366.0, 5537.0, 5615.0, 5304.0, 5381.0 (number of hits: 9)
7	5550	9	1	333	1	5604.0, 5253.0, 5331.0, 5476.0, 5498.0, 5339.0, 5584.0, 5347.0, 5521.0, 5504.0, 5669.0, 5385.0, 5682.0, 5449.0, 5472.0, 5494.0, 5421.0, 5458.0, 5276.0, 5610.0, 5620.0, 5354.0, 5690.0, 5670.0, 5413.0, 5615.0, 5566.0, 5717.0, 5623.0, 5407.0, 5324.0, 5382.0, 5345.0, 5340.0, 5638.0, 5282.0, 5519.0, 5321.0, 5622.0, 5590.0, 5474.0, 5550.0, 5257.0, 5722.0, 5679.0, 5300.0, 5416.0, 5501.0, 5269.0, 5609.0, 5304.0, 5491.0, 5703.0, 5497.0, 5272.0, 5302.0, 5514.0, 5648.0, 5358.0, 5438.0, 5306.0, 5697.0, 5315.0, 5626.0, 5401.0, 5529.0, 5705.0, 5563.0, 5700.0, 5634.0, 5323.0, 5495.0, 5311.0, 5412.0, 5490.0, 5380.0, 5256.0, 5374.0, 5428.0, 5617.0, 5488.0, 5677.0, 5341.0, 5391.0, 5712.0, 5652.0, 5409.0, 5328.0, 5303.0, 5459.0, 5335.0, 5394.0, 5680.0, 5273.0, 5444.0, 5454.0, 5423.0, 5560.0, 5539.0, 5606.0 (number of hits: 5)
8	5550	9	1	333	1	5556.0, 5449.0, 5305.0, 5441.0, 5676.0, 5567.0, 5362.0, 5469.0, 5252.0, 5442.0, 5382.0, 5364.0, 5409.0, 5355.0, 5702.0, 5563.0, 5331.0, 5327.0, 5374.0, 5631.0, 5719.0, 5261.0, 5505.0, 5458.0, 5596.0, 5685.0, 5400.0, 5459.0, 5480.0, 5540.0, 5712.0, 5557.0, 5439.0, 5633.0, 5258.0, 5681.0, 5282.0, 5496.0, 5303.0, 5624.0, 5551.0, 5373.0, 5682.0, 5393.0, 5323.0, 5392.0, 5339.0, 5642.0, 5285.0, 5629.0, 5670.0, 5383.0, 5317.0, 5464.0, 5546.0, 5627.0, 5525.0, 5428.0, 5640.0, 5625.0, 5622.0, 5608.0, 5647.0, 5549.0, 5304.0, 5502.0, 5329.0, 5389.0, 5425.0, 5318.0, 5604.0, 5565.0, 5336.0, 5347.0, 5511.0, 5351.0, 5635.0, 5513.0, 5403.0, 5705.0, 5598.0, 5311.0, 5690.0, 5669.0, 5486.0, 5290.0, 5515.0, 5375.0, 5555.0, 5376.0, 5416.0, 5277.0, 5491.0, 5479.0, 5406.0, 5498.0, 5341.0, 5651.0, 5499.0, 5430.0 (number of hits: 10)
9	5550	9	1	333	1	5527.0, 5455.0, 5640.0, 5513.0, 5292.0, 5276.0, 5581.0, 5715.0, 5267.0, 5419.0, 5599.0, 5270.0, 5483.0, 5660.0, 5454.0,

						5711.0, 5304.0, 5347.0, 5569.0, 5592.0, 5428.0, 5658.0, 5632.0, 5705.0, 5312.0, 5689.0, 5509.0, 5484.0, 5379.0, 5298.0, 5628.0, 5351.0, 5451.0, 5440.0, 5548.0, 5338.0, 5708.0, 5487.0, 5714.0, 5532.0, 5341.0, 5367.0, 5671.0, 5403.0, 5410.0, 5337.0, 5595.0, 5317.0, 5331.0, 5601.0, 5647.0, 5377.0, 5571.0, 5688.0, 5268.0, 5381.0, 5710.0, 5521.0, 5322.0, 5430.0, 5385.0, 5545.0, 5391.0, 5263.0, 5407.0, 5604.0, 5523.0, 5558.0, 5398.0, 5550.0, 5564.0, 5463.0, 5665.0, 5721.0, 5283.0, 5620.0, 5489.0, 5495.0, 5376.0, 5431.0, 5690.0, 5311.0, 5342.0, 5329.0, 5585.0, 5528.0, 5370.0, 5591.0, 5386.0, 5614.0, 5723.0, 5360.0, 5426.0, 5666.0, 5266.0, 5712.0, 5637.0, 5278.0, 5284.0, 5470.0 (number of hits: 7)
10	5550	9	1	333	1	5494.0, 5500.0, 5344.0, 5465.0, 5597.0, 5330.0, 5636.0, 5610.0, 5351.0, 5352.0, 5420.0, 5715.0, 5424.0, 5477.0, 5365.0, 5371.0, 5534.0, 5677.0, 5303.0, 5516.0, 5665.0, 5653.0, 5504.0, 5387.0, 5348.0, 5475.0, 5688.0, 5324.0, 5618.0, 5501.0, 5598.0, 5392.0, 5310.0, 5661.0, 5602.0, 5314.0, 5512.0, 5639.0, 5339.0, 5354.0, 5514.0, 5706.0, 5290.0, 5719.0, 5566.0, 5268.0, 5594.0, 5272.0, 5331.0, 5522.0, 5345.0, 5503.0, 5364.0, 5251.0, 5323.0, 5326.0, 5338.0, 5678.0, 5273.0, 5628.0, 5468.0, 5564.0, 5699.0, 5676.0, 5660.0, 5682.0, 5353.0, 5609.0, 5637.0, 5274.0, 5631.0, 5451.0, 5459.0, 5428.0, 5288.0, 5453.0, 5429.0, 5447.0, 5315.0, 5473.0, 5257.0, 5399.0, 5458.0, 5693.0, 5329.0, 5321.0, 5696.0, 5577.0, 5709.0, 5461.0, 5484.0, 5558.0, 5341.0, 5397.0, 5486.0, 5419.0, 5285.0, 5441.0, 5412.0, 5674.0 (number of hits: 4)
11	5550	9	1	333	1	5628.0, 5651.0, 5522.0, 5275.0, 5447.0, 5719.0, 5456.0, 5453.0, 5350.0, 5348.0, 5492.0, 5643.0, 5629.0, 5679.0, 5418.0, 5562.0, 5603.0, 5349.0, 5514.0, 5529.0, 5480.0, 5360.0, 5672.0, 5678.0, 5458.0, 5501.0, 5519.0, 5260.0, 5423.0, 5352.0, 5619.0, 5302.0, 5644.0, 5461.0, 5505.0, 5445.0, 5363.0, 5451.0, 5446.0, 5476.0, 5469.0, 5527.0, 5495.0, 5673.0, 5397.0, 5669.0, 5534.0, 5636.0, 5355.0, 5509.0, 5354.0, 5542.0, 5440.0, 5543.0, 5594.0, 5379.0, 5434.0, 5607.0, 5411.0, 5721.0, 5329.0, 5694.0, 5498.0, 5306.0, 5368.0, 5652.0, 5497.0, 5555.0, 5475.0, 5331.0, 5588.0, 5496.0, 5641.0, 5316.0, 5663.0, 5547.0, 5606.0, 5618.0, 5265.0, 5630.0, 5430.0, 5309.0, 5385.0, 5585.0, 5575.0, 5574.0, 5409.0, 5589.0, 5449.0, 5591.0, 5508.0, 5427.0, 5486.0, 5530.0, 5332.0, 5347.0, 5674.0, 5307.0, 5404.0, 5398.0

						(number of hits: 7)
12	5550	9	1	333	1	5497.0, 5430.0, 5512.0, 5266.0, 5471.0, 5636.0, 5575.0, 5480.0, 5271.0, 5361.0, 5638.0, 5584.0, 5700.0, 5290.0, 5630.0, 5711.0, 5585.0, 5707.0, 5521.0, 5308.0, 5493.0, 5571.0, 5330.0, 5573.0, 5589.0, 5304.0, 5451.0, 5389.0, 5442.0, 5580.0, 5536.0, 5269.0, 5504.0, 5611.0, 5315.0, 5588.0, 5317.0, 5440.0, 5556.0, 5398.0, 5448.0, 5620.0, 5396.0, 5669.0, 5474.0, 5650.0, 5522.0, 5426.0, 5690.0, 5496.0, 5306.0, 5648.0, 5360.0, 5327.0, 5386.0, 5705.0, 5699.0, 5303.0, 5508.0, 5610.0, 5475.0, 5313.0, 5291.0, 5382.0, 5499.0, 5549.0, 5495.0, 5379.0, 5455.0, 5461.0, 5553.0, 5692.0, 5629.0, 5513.0, 5326.0, 5623.0, 5500.0, 5267.0, 5476.0, 5577.0, 5632.0, 5344.0, 5546.0, 5680.0, 5548.0, 5544.0, 5722.0, 5459.0, 5283.0, 5706.0, 5604.0, 5358.0, 5256.0, 5376.0, 5395.0, 5302.0, 5674.0, 5645.0, 5463.0, 5598.0
						(number of hits: 7)
13	5550	9	1	333	1	5658.0, 5608.0, 5488.0, 5623.0, 5451.0, 5375.0, 5424.0, 5696.0, 5576.0, 5341.0, 5567.0, 5496.0, 5637.0, 5493.0, 5494.0, 5664.0, 5627.0, 5674.0, 5370.0, 5611.0, 5380.0, 5479.0, 5253.0, 5399.0, 5396.0, 5478.0, 5309.0, 5251.0, 5580.0, 5607.0, 5570.0, 5568.0, 5278.0, 5515.0, 5317.0, 5526.0, 5280.0, 5431.0, 5440.0, 5315.0, 5687.0, 5312.0, 5255.0, 5326.0, 5463.0, 5507.0, 5655.0, 5713.0, 5556.0, 5350.0, 5271.0, 5519.0, 5454.0, 5425.0, 5409.0, 5612.0, 5587.0, 5497.0, 5662.0, 5456.0, 5359.0, 5466.0, 5591.0, 5562.0, 5584.0, 5448.0, 5631.0, 5464.0, 5388.0, 5438.0, 5426.0, 5648.0, 5666.0, 5508.0, 5433.0, 5709.0, 5532.0, 5517.0, 5437.0, 5323.0, 5622.0, 5597.0, 5581.0, 5304.0, 5369.0, 5335.0, 5386.0, 5536.0, 5377.0, 5651.0, 5543.0, 5379.0, 5283.0, 5660.0, 5394.0, 5649.0, 5390.0, 5603.0, 5449.0, 5712.0
						(number of hits: 7)
14	5550	9	1	333	1	5529.0, 5291.0, 5575.0, 5711.0, 5609.0, 5523.0, 5616.0, 5692.0, 5278.0, 5528.0, 5321.0, 5720.0, 5565.0, 5649.0, 5573.0, 5572.0, 5446.0, 5504.0, 5414.0, 5265.0, 5384.0, 5432.0, 5684.0, 5375.0, 5564.0, 5254.0, 5342.0, 5660.0, 5373.0, 5328.0, 5519.0, 5651.0, 5317.0, 5515.0, 5641.0, 5551.0, 5308.0, 5694.0, 5618.0, 5364.0, 5416.0, 5469.0, 5266.0, 5525.0, 5340.0, 5698.0, 5433.0, 5471.0, 5716.0, 5662.0, 5508.0, 5574.0, 5422.0, 5390.0, 5381.0, 5417.0, 5337.0, 5595.0, 5343.0, 5563.0, 5441.0, 5621.0, 5589.0, 5452.0, 5319.0, 5637.0, 5475.0, 5398.0, 5419.0, 5295.0, 5314.0, 5260.0, 5451.0, 5500.0, 5287.0, 5544.0, 5425.0, 5269.0, 5639.0, 5271.0,

						5320.0, 5680.0, 5592.0, 5296.0, 5258.0, 5550.0, 5442.0, 5377.0, 5279.0, 5579.0, 5640.0, 5374.0, 5367.0, 5590.0, 5338.0, 5721.0, 5307.0, 5430.0, 5255.0, 5344.0 (number of hits: 6)
15	5550	9	1	333	1	5469.0, 5609.0, 5409.0, 5488.0, 5650.0, 5303.0, 5641.0, 5261.0, 5341.0, 5599.0, 5381.0, 5361.0, 5356.0, 5585.0, 5398.0, 5672.0, 5666.0, 5338.0, 5438.0, 5414.0, 5611.0, 5528.0, 5324.0, 5705.0, 5423.0, 5586.0, 5699.0, 5470.0, 5593.0, 5250.0, 5276.0, 5383.0, 5366.0, 5567.0, 5298.0, 5296.0, 5514.0, 5331.0, 5546.0, 5647.0, 5629.0, 5578.0, 5631.0, 5597.0, 5432.0, 5656.0, 5621.0, 5626.0, 5270.0, 5354.0, 5285.0, 5260.0, 5521.0, 5494.0, 5667.0, 5602.0, 5581.0, 5258.0, 5506.0, 5327.0, 5365.0, 5315.0, 5447.0, 5302.0, 5554.0, 5339.0, 5491.0, 5343.0, 5583.0, 5668.0, 5685.0, 5446.0, 5696.0, 5478.0, 5559.0, 5627.0, 5275.0, 5719.0, 5531.0, 5440.0, 5476.0, 5278.0, 5571.0, 5456.0, 5350.0, 5322.0, 5363.0, 5332.0, 5624.0, 5422.0, 5301.0, 5576.0, 5596.0, 5370.0, 5475.0, 5459.0, 5642.0, 5495.0, 5340.0, 5718.0 (number of hits: 5)
16	5550	9	1	333	1	5355.0, 5394.0, 5669.0, 5598.0, 5359.0, 5383.0, 5622.0, 5576.0, 5305.0, 5549.0, 5573.0, 5402.0, 5567.0, 5468.0, 5681.0, 5447.0, 5636.0, 5618.0, 5277.0, 5533.0, 5609.0, 5472.0, 5310.0, 5516.0, 5286.0, 5396.0, 5319.0, 5483.0, 5367.0, 5291.0, 5263.0, 5561.0, 5344.0, 5620.0, 5377.0, 5411.0, 5527.0, 5668.0, 5429.0, 5546.0, 5683.0, 5456.0, 5271.0, 5696.0, 5621.0, 5404.0, 5494.0, 5515.0, 5644.0, 5313.0, 5353.0, 5254.0, 5509.0, 5699.0, 5695.0, 5379.0, 5444.0, 5449.0, 5497.0, 5421.0, 5413.0, 5493.0, 5512.0, 5510.0, 5542.0, 5342.0, 5628.0, 5251.0, 5514.0, 5577.0, 5321.0, 5354.0, 5274.0, 5397.0, 5566.0, 5503.0, 5637.0, 5363.0, 5702.0, 5521.0, 5563.0, 5558.0, 5706.0, 5672.0, 5682.0, 5486.0, 5551.0, 5559.0, 5716.0, 5713.0, 5407.0, 5448.0, 5492.0, 5520.0, 5445.0, 5391.0, 5641.0, 5676.0, 5491.0, 5462.0 (number of hits: 11)
17	5550	9	1	333	1	5605.0, 5612.0, 5489.0, 5503.0, 5312.0, 5716.0, 5304.0, 5606.0, 5502.0, 5581.0, 5345.0, 5461.0, 5632.0, 5692.0, 5585.0, 5625.0, 5646.0, 5640.0, 5387.0, 5565.0, 5259.0, 5322.0, 5464.0, 5408.0, 5329.0, 5266.0, 5486.0, 5409.0, 5626.0, 5574.0, 5561.0, 5366.0, 5690.0, 5392.0, 5356.0, 5575.0, 5402.0, 5723.0, 5636.0, 5305.0, 5462.0, 5302.0, 5714.0, 5255.0, 5487.0, 5367.0, 5470.0, 5330.0, 5467.0, 5621.0, 5506.0, 5589.0, 5448.0, 5445.0, 5380.0, 5457.0, 5499.0, 5642.0, 5332.0, 5618.0,

						5339.0, 5666.0, 5420.0, 5353.0, 5653.0, 5534.0, 5477.0, 5292.0, 5707.0, 5521.0, 5405.0, 5251.0, 5404.0, 5536.0, 5338.0, 5681.0, 5654.0, 5377.0, 5284.0, 5531.0, 5361.0, 5698.0, 5261.0, 5357.0, 5641.0, 5702.0, 5346.0, 5524.0, 5260.0, 5391.0, 5476.0, 5491.0, 5706.0, 5526.0, 5267.0, 5343.0, 5529.0, 5252.0, 5622.0, 5496.0 (number of hits: 5)
18	5550	9	1	333	1	5358.0, 5435.0, 5266.0, 5617.0, 5599.0, 5351.0, 5272.0, 5723.0, 5662.0, 5693.0, 5689.0, 5484.0, 5433.0, 5285.0, 5663.0, 5541.0, 5544.0, 5446.0, 5502.0, 5278.0, 5709.0, 5501.0, 5533.0, 5578.0, 5387.0, 5540.0, 5563.0, 5499.0, 5720.0, 5490.0, 5648.0, 5414.0, 5497.0, 5638.0, 5441.0, 5283.0, 5348.0, 5682.0, 5323.0, 5687.0, 5256.0, 5683.0, 5506.0, 5359.0, 5650.0, 5503.0, 5505.0, 5298.0, 5564.0, 5295.0, 5609.0, 5582.0, 5684.0, 5522.0, 5498.0, 5324.0, 5340.0, 5574.0, 5587.0, 5649.0, 5391.0, 5376.0, 5509.0, 5691.0, 5469.0, 5494.0, 5463.0, 5412.0, 5392.0, 5296.0, 5430.0, 5488.0, 5690.0, 5543.0, 5569.0, 5486.0, 5442.0, 5576.0, 5264.0, 5421.0, 5664.0, 5410.0, 5496.0, 5339.0, 5261.0, 5603.0, 5562.0, 5282.0, 5537.0, 5566.0, 5366.0, 5546.0, 5271.0, 5327.0, 5321.0, 5637.0, 5294.0, 5335.0, 5713.0, 5302.0 (number of hits: 12)
19	5550	9	1	333	1	5721.0, 5588.0, 5257.0, 5424.0, 5374.0, 5277.0, 5678.0, 5443.0, 5315.0, 5350.0, 5442.0, 5481.0, 5697.0, 5438.0, 5690.0, 5420.0, 5520.0, 5565.0, 5367.0, 5651.0, 5423.0, 5572.0, 5344.0, 5484.0, 5611.0, 5701.0, 5552.0, 5446.0, 5543.0, 5631.0, 5478.0, 5395.0, 5365.0, 5319.0, 5593.0, 5431.0, 5596.0, 5564.0, 5418.0, 5639.0, 5708.0, 5309.0, 5511.0, 5613.0, 5288.0, 5586.0, 5409.0, 5539.0, 5581.0, 5308.0, 5534.0, 5562.0, 5595.0, 5463.0, 5403.0, 5312.0, 5429.0, 5313.0, 5453.0, 5359.0, 5477.0, 5555.0, 5470.0, 5570.0, 5305.0, 5529.0, 5714.0, 5307.0, 5339.0, 5419.0, 5676.0, 5673.0, 5512.0, 5303.0, 5635.0, 5502.0, 5461.0, 5682.0, 5434.0, 5426.0, 5569.0, 5553.0, 5505.0, 5557.0, 5349.0, 5496.0, 5619.0, 5263.0, 5550.0, 5390.0, 5397.0, 5322.0, 5685.0, 5584.0, 5425.0, 5451.0, 5383.0, 5633.0, 5515.0, 5579.0 (number of hits: 12)
20	5550	9	1	333	1	5713.0, 5357.0, 5571.0, 5662.0, 5352.0, 5573.0, 5454.0, 5544.0, 5590.0, 5294.0, 5717.0, 5426.0, 5441.0, 5531.0, 5385.0, 5349.0, 5532.0, 5519.0, 5576.0, 5378.0, 5525.0, 5286.0, 5418.0, 5467.0, 5678.0, 5379.0, 5505.0, 5584.0, 5401.0, 5716.0, 5494.0, 5261.0, 5301.0, 5465.0, 5657.0, 5266.0, 5250.0, 5413.0, 5591.0, 5552.0,

						5575.0, 5361.0, 5628.0, 5567.0, 5283.0, 5403.0, 5419.0, 5337.0, 5404.0, 5269.0, 5409.0, 5308.0, 5421.0, 5607.0, 5330.0, 5633.0, 5460.0, 5316.0, 5254.0, 5340.0, 5660.0, 5331.0, 5366.0, 5314.0, 5323.0, 5578.0, 5448.0, 5483.0, 5663.0, 5260.0, 5295.0, 5535.0, 5720.0, 5427.0, 5434.0, 5315.0, 5721.0, 5684.0, 5646.0, 5479.0, 5507.0, 5466.0, 5714.0, 5675.0, 5455.0, 5529.0, 5360.0, 5677.0, 5701.0, 5502.0, 5615.0, 5508.0, 5410.0, 5382.0, 5348.0, 5290.0, 5556.0, 5273.0, 5568.0, 5648.0 (number of hits: 8)
21	5550	9	1	333	1	5328.0, 5268.0, 5685.0, 5709.0, 5403.0, 5433.0, 5267.0, 5572.0, 5455.0, 5503.0, 5490.0, 5581.0, 5484.0, 5387.0, 5286.0, 5504.0, 5610.0, 5381.0, 5623.0, 5309.0, 5422.0, 5723.0, 5351.0, 5432.0, 5388.0, 5596.0, 5657.0, 5465.0, 5336.0, 5301.0, 5299.0, 5662.0, 5513.0, 5691.0, 5556.0, 5544.0, 5399.0, 5380.0, 5340.0, 5251.0, 5265.0, 5277.0, 5431.0, 5335.0, 5545.0, 5363.0, 5322.0, 5444.0, 5350.0, 5655.0, 5366.0, 5622.0, 5523.0, 5643.0, 5683.0, 5476.0, 5677.0, 5511.0, 5271.0, 5583.0, 5554.0, 5407.0, 5717.0, 5283.0, 5451.0, 5327.0, 5577.0, 5617.0, 5549.0, 5547.0, 5701.0, 5406.0, 5306.0, 5603.0, 5631.0, 5486.0, 5568.0, 5343.0, 5673.0, 5558.0, 5396.0, 5562.0, 5615.0, 5510.0, 5715.0, 5438.0, 5624.0, 5514.0, 5382.0, 5325.0, 5420.0, 5682.0, 5427.0, 5697.0, 5645.0, 5678.0, 5563.0, 5494.0, 5401.0, 5480.0 (number of hits: 10)
22	5550	9	1	333	1	5659.0, 5328.0, 5424.0, 5628.0, 5703.0, 5508.0, 5416.0, 5533.0, 5651.0, 5506.0, 5263.0, 5618.0, 5485.0, 5546.0, 5540.0, 5449.0, 5712.0, 5255.0, 5515.0, 5345.0, 5311.0, 5297.0, 5715.0, 5471.0, 5293.0, 5483.0, 5518.0, 5372.0, 5453.0, 5492.0, 5464.0, 5619.0, 5676.0, 5666.0, 5285.0, 5585.0, 5310.0, 5608.0, 5282.0, 5364.0, 5379.0, 5390.0, 5355.0, 5430.0, 5465.0, 5468.0, 5668.0, 5478.0, 5711.0, 5367.0, 5680.0, 5601.0, 5551.0, 5583.0, 5505.0, 5562.0, 5305.0, 5421.0, 5630.0, 5316.0, 5337.0, 5716.0, 5511.0, 5522.0, 5673.0, 5629.0, 5454.0, 5494.0, 5539.0, 5721.0, 5459.0, 5708.0, 5381.0, 5685.0, 5266.0, 5555.0, 5342.0, 5268.0, 5384.0, 5260.0, 5393.0, 5288.0, 5441.0, 5411.0, 5596.0, 5427.0, 5360.0, 5380.0, 5252.0, 5256.0, 5399.0, 5541.0, 5718.0, 5545.0, 5638.0, 5587.0, 5661.0, 5662.0, 5611.0, 5575.0 (number of hits: 9)
23	5550	9	1	333	1	5559.0, 5588.0, 5478.0, 5487.0, 5644.0, 5368.0, 5269.0, 5603.0, 5612.0, 5275.0, 5367.0, 5320.0, 5387.0, 5542.0, 5349.0, 5491.0, 5371.0, 5532.0, 5410.0, 5470.0,

						5459.0, 5554.0, 5321.0, 5279.0, 5599.0, 5254.0, 5616.0, 5671.0, 5504.0, 5256.0, 5518.0, 5693.0, 5557.0, 5598.0, 5719.0, 5495.0, 5315.0, 5257.0, 5274.0, 5479.0, 5576.0, 5621.0, 5307.0, 5594.0, 5544.0, 5528.0, 5505.0, 5513.0, 5418.0, 5536.0, 5517.0, 5555.0, 5281.0, 5466.0, 5494.0, 5280.0, 5445.0, 5488.0, 5304.0, 5300.0, 5575.0, 5723.0, 5426.0, 5421.0, 5278.0, 5481.0, 5453.0, 5419.0, 5631.0, 5516.0, 5690.0, 5436.0, 5356.0, 5539.0, 5270.0, 5660.0, 5306.0, 5282.0, 5700.0, 5622.0, 5710.0, 5398.0, 5614.0, 5461.0, 5412.0, 5587.0, 5471.0, 5666.0, 5509.0, 5351.0, 5629.0, 5286.0, 5390.0, 5610.0, 5432.0, 5393.0, 5508.0, 5404.0, 5354.0, 5561.0 (number of hits: 10)
24	5550	9	1	333	1	5649.0, 5616.0, 5568.0, 5446.0, 5529.0, 5297.0, 5434.0, 5689.0, 5255.0, 5654.0, 5615.0, 5603.0, 5589.0, 5487.0, 5373.0, 5716.0, 5722.0, 5288.0, 5522.0, 5396.0, 5290.0, 5402.0, 5533.0, 5260.0, 5388.0, 5445.0, 5583.0, 5633.0, 5656.0, 5437.0, 5519.0, 5278.0, 5401.0, 5359.0, 5408.0, 5389.0, 5337.0, 5628.0, 5284.0, 5526.0, 5467.0, 5366.0, 5626.0, 5546.0, 5351.0, 5371.0, 5717.0, 5352.0, 5450.0, 5520.0, 5720.0, 5293.0, 5332.0, 5666.0, 5268.0, 5602.0, 5588.0, 5415.0, 5565.0, 5309.0, 5282.0, 5276.0, 5671.0, 5698.0, 5400.0, 5586.0, 5510.0, 5464.0, 5470.0, 5444.0, 5625.0, 5438.0, 5687.0, 5619.0, 5679.0, 5663.0, 5410.0, 5497.0, 5395.0, 5326.0, 5571.0, 5397.0, 5472.0, 5690.0, 5353.0, 5507.0, 5430.0, 5391.0, 5350.0, 5433.0, 5443.0, 5514.0, 5387.0, 5592.0, 5274.0, 5668.0, 5707.0, 5499.0, 5422.0, 5303.0 (number of hits: 4)
25	5550	9	1	333	1	5529.0, 5699.0, 5522.0, 5619.0, 5315.0, 5668.0, 5269.0, 5352.0, 5282.0, 5687.0, 5684.0, 5507.0, 5286.0, 5719.0, 5403.0, 5479.0, 5523.0, 5293.0, 5613.0, 5447.0, 5438.0, 5268.0, 5710.0, 5374.0, 5402.0, 5252.0, 5258.0, 5355.0, 5273.0, 5586.0, 5679.0, 5489.0, 5593.0, 5518.0, 5637.0, 5287.0, 5524.0, 5256.0, 5622.0, 5284.0, 5251.0, 5609.0, 5304.0, 5502.0, 5263.0, 5363.0, 5312.0, 5407.0, 5464.0, 5327.0, 5444.0, 5610.0, 5611.0, 5346.0, 5685.0, 5334.0, 5267.0, 5290.0, 5503.0, 5311.0, 5254.0, 5429.0, 5548.0, 5709.0, 5576.0, 5510.0, 5494.0, 5714.0, 5275.0, 5664.0, 5578.0, 5674.0, 5423.0, 5283.0, 5367.0, 5271.0, 5385.0, 5428.0, 5691.0, 5375.0, 5658.0, 5294.0, 5509.0, 5680.0, 5692.0, 5270.0, 5594.0, 5306.0, 5362.0, 5292.0, 5645.0, 5563.0, 5305.0, 5689.0, 5649.0, 5469.0, 5380.0, 5409.0, 5636.0, 5491.0 (number of hits: 2)

26	5550	9	1	333	1	5405.0, 5340.0, 5700.0, 5665.0, 5302.0, 5320.0, 5620.0, 5667.0, 5540.0, 5406.0, 5557.0, 5297.0, 5341.0, 5326.0, 5351.0, 5437.0, 5398.0, 5336.0, 5518.0, 5430.0, 5462.0, 5584.0, 5717.0, 5469.0, 5546.0, 5604.0, 5636.0, 5658.0, 5720.0, 5444.0, 5480.0, 5283.0, 5327.0, 5678.0, 5660.0, 5724.0, 5309.0, 5572.0, 5357.0, 5298.0, 5474.0, 5317.0, 5671.0, 5334.0, 5579.0, 5565.0, 5376.0, 5344.0, 5498.0, 5461.0, 5477.0, 5458.0, 5673.0, 5659.0, 5537.0, 5704.0, 5602.0, 5526.0, 5576.0, 5315.0, 5384.0, 5650.0, 5366.0, 5605.0, 5637.0, 5711.0, 5534.0, 5592.0, 5457.0, 5377.0, 5420.0, 5459.0, 5414.0, 5521.0, 5290.0, 5662.0, 5394.0, 5530.0, 5443.0, 5329.0, 5269.0, 5452.0, 5318.0, 5254.0, 5500.0, 5285.0, 5397.0, 5385.0, 5455.0, 5643.0, 5630.0, 5597.0, 5615.0, 5259.0, 5656.0, 5523.0, 5328.0, 5367.0, 5295.0, 5677.0 (number of hits: 7)
27	5550	9	1	333	1	5600.0, 5646.0, 5489.0, 5452.0, 5571.0, 5501.0, 5397.0, 5519.0, 5277.0, 5523.0, 5290.0, 5589.0, 5458.0, 5551.0, 5508.0, 5460.0, 5585.0, 5536.0, 5338.0, 5298.0, 5691.0, 5565.0, 5302.0, 5411.0, 5405.0, 5527.0, 5446.0, 5631.0, 5662.0, 5353.0, 5629.0, 5485.0, 5315.0, 5653.0, 5598.0, 5648.0, 5546.0, 5386.0, 5588.0, 5695.0, 5258.0, 5312.0, 5398.0, 5400.0, 5426.0, 5275.0, 5720.0, 5560.0, 5503.0, 5717.0, 5463.0, 5379.0, 5358.0, 5347.0, 5630.0, 5469.0, 5413.0, 5255.0, 5581.0, 5697.0, 5704.0, 5574.0, 5293.0, 5404.0, 5326.0, 5500.0, 5502.0, 5309.0, 5305.0, 5657.0, 5677.0, 5335.0, 5267.0, 5288.0, 5665.0, 5286.0, 5308.0, 5596.0, 5521.0, 5314.0, 5538.0, 5526.0, 5319.0, 5543.0, 5490.0, 5613.0, 5513.0, 5436.0, 5307.0, 5549.0, 5363.0, 5518.0, 5447.0, 5650.0, 5700.0, 5682.0, 5667.0, 5359.0, 5693.0, 5507.0 (number of hits: 8)
28	5550	9	1	333	1	5680.0, 5311.0, 5698.0, 5670.0, 5716.0, 5634.0, 5480.0, 5467.0, 5675.0, 5499.0, 5366.0, 5268.0, 5275.0, 5701.0, 5590.0, 5491.0, 5405.0, 5329.0, 5344.0, 5313.0, 5528.0, 5422.0, 5252.0, 5347.0, 5391.0, 5299.0, 5320.0, 5720.0, 5520.0, 5419.0, 5431.0, 5571.0, 5331.0, 5342.0, 5338.0, 5703.0, 5369.0, 5625.0, 5665.0, 5264.0, 5326.0, 5423.0, 5395.0, 5609.0, 5388.0, 5362.0, 5432.0, 5526.0, 5542.0, 5428.0, 5346.0, 5390.0, 5638.0, 5402.0, 5537.0, 5661.0, 5566.0, 5349.0, 5595.0, 5482.0, 5578.0, 5629.0, 5504.0, 5478.0, 5484.0, 5617.0, 5451.0, 5606.0, 5450.0, 5544.0, 5534.0, 5340.0, 5384.0, 5443.0, 5458.0, 5371.0, 5317.0, 5411.0, 5370.0, 5364.0, 5689.0, 5567.0, 5327.0, 5468.0, 5524.0,

						5448.0, 5375.0, 5265.0, 5336.0, 5515.0, 5527.0, 5604.0, 5315.0, 5640.0, 5494.0, 5343.0, 5316.0, 5310.0, 5556.0, 5465.0 (number of hits: 7)
29	5550	9	1	333	1	5619.0, 5428.0, 5566.0, 5559.0, 5642.0, 5516.0, 5305.0, 5497.0, 5661.0, 5280.0, 5540.0, 5295.0, 5509.0, 5671.0, 5251.0, 5408.0, 5391.0, 5613.0, 5543.0, 5526.0, 5270.0, 5551.0, 5404.0, 5396.0, 5629.0, 5410.0, 5716.0, 5652.0, 5343.0, 5586.0, 5580.0, 5625.0, 5447.0, 5693.0, 5309.0, 5648.0, 5375.0, 5324.0, 5255.0, 5486.0, 5252.0, 5487.0, 5674.0, 5332.0, 5637.0, 5583.0, 5686.0, 5633.0, 5453.0, 5571.0, 5584.0, 5421.0, 5593.0, 5643.0, 5307.0, 5616.0, 5316.0, 5620.0, 5288.0, 5366.0, 5322.0, 5433.0, 5524.0, 5558.0, 5417.0, 5291.0, 5702.0, 5626.0, 5569.0, 5659.0, 5694.0, 5446.0, 5607.0, 5256.0, 5451.0, 5510.0, 5363.0, 5467.0, 5313.0, 5449.0, 5701.0, 5501.0, 5495.0, 5414.0, 5721.0, 5254.0, 5285.0, 5359.0, 5553.0, 5356.0, 5419.0, 5506.0, 5596.0, 5388.0, 5368.0, 5326.0, 5548.0, 5597.0, 5697.0, 5712.0 (number of hits: 9)
30	5550	9	1	333	1	5625.0, 5304.0, 5468.0, 5480.0, 5252.0, 5549.0, 5327.0, 5369.0, 5491.0, 5647.0, 5305.0, 5268.0, 5513.0, 5364.0, 5556.0, 5660.0, 5530.0, 5623.0, 5484.0, 5490.0, 5702.0, 5414.0, 5581.0, 5536.0, 5677.0, 5255.0, 5257.0, 5493.0, 5459.0, 5697.0, 5485.0, 5395.0, 5682.0, 5379.0, 5537.0, 5516.0, 5263.0, 5515.0, 5450.0, 5284.0, 5633.0, 5447.0, 5413.0, 5337.0, 5684.0, 5693.0, 5349.0, 5567.0, 5592.0, 5643.0, 5518.0, 5473.0, 5418.0, 5629.0, 5689.0, 5562.0, 5559.0, 5362.0, 5453.0, 5669.0, 5302.0, 5463.0, 5552.0, 5555.0, 5627.0, 5701.0, 5583.0, 5336.0, 5353.0, 5471.0, 5400.0, 5492.0, 5363.0, 5564.0, 5276.0, 5608.0, 5723.0, 5396.0, 5301.0, 5598.0, 5498.0, 5456.0, 5692.0, 5295.0, 5419.0, 5264.0, 5478.0, 5296.0, 5434.0, 5654.0, 5455.0, 5541.0, 5584.0, 5439.0, 5416.0, 5380.0, 5525.0, 5550.0, 5486.0, 5546.0 (number of hits: 14)

5530 MHz, 80 MHz Bandwidth

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

Please refer to the following statistical tables:

5290 MHz, 80 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5530	78	1	678	1
2	5530	72	1	738	1
3	5530	74	1	718	1
4	5530	18	1	3066	1
5	5530	89	1	598	1
6	5530	61	1	878	1
7	5530	68	1	778	1
8	5530	57	1	938	1
9	5530	70	1	758	1
10	5530	81	1	658	1
11	5530	63	1	838	1
12	5530	86	1	618	1
13	5530	65	1	818	1
14	5530	62	1	858	1
15	5530	76	1	698	1
16	5530	54	1	995	1
17	5530	29	1	1883	1
18	5530	36	1	1470	1
19	5530	23	1	2307	1
20	5530	80	1	668	1
21	5530	22	1	2500	1
22	5530	22	1	2505	1
23	5530	31	1	1728	1
24	5530	20	1	2761	1
25	5530	24	1	2260	1
26	5530	89	1	596	1
27	5530	56	1	951	1
28	5530	38	1	1398	1
29	5530	60	1	888	1
30	5530	50	1	1057	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5530	26	1.2	219	1
2	5530	27	3.4	225	1
3	5530	27	4.5	205	1
4	5530	28	4.4	206	1
5	5530	28	2.3	163	1
6	5530	24	1.5	187	1
7	5530	24	2.5	186	1
8	5530	27	1.1	209	1
9	5530	29	2.1	222	1
10	5530	28	2.6	217	1
11	5530	28	1.6	186	1
12	5530	26	2.2	153	1
13	5530	28	4.6	155	1
14	5530	26	2.7	183	1
15	5530	26	1.5	159	1
16	5530	27	4.4	181	1
17	5530	26	1.2	215	1
18	5530	26	1.4	226	1
19	5530	23	4.6	174	1
20	5530	28	3	220	1
21	5530	23	4.8	171	1
22	5530	27	2.7	195	1
23	5530	26	1.2	199	1
24	5530	27	3.1	157	1
25	5530	24	3.9	182	1
26	5530	28	4.1	159	1
27	5530	24	4.2	169	1
28	5530	28	3.8	207	1
29	5530	28	1.7	160	1
30	5530	23	3.1	194	1

Detection Percentage: 100 % (>60%)

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	17	8.3	481	1
2	5530	16	8	371	1
3	5530	16	6.5	432	1
4	5530	16	6.8	211	1
5	5530	17	7	213	1
6	5530	16	6	434	1
7	5530	18	9.6	472	1
8	5530	17	7.9	398	1
9	5530	18	6.4	408	1
10	5530	18	7.5	429	1
11	5530	16	8	206	1
12	5530	18	9.6	477	1
13	5530	18	9.1	201	1
14	5530	18	6.1	469	1
15	5530	18	9.5	443	1
16	5530	17	9.7	399	1
17	5530	17	6.1	370	1
18	5530	16	8.6	352	1
19	5530	18	8.7	347	1
20	5530	17	9.9	296	1
21	5530	18	6.4	319	1
22	5530	17	9.1	259	1
23	5530	17	7.2	209	1
24	5530	16	9.9	425	1
25	5530	16	7	490	1
26	5530	18	8.4	485	1
27	5530	18	9	304	1
28	5530	18	7.6	431	1
29	5530	17	8.3	242	1
30	5530	16	8.6	491	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	12	13.4	210	1
2	5530	12	13.9	260	1
3	5530	13	15.2	260	1
4	5530	13	17.1	486	1
5	5530	15	16.5	328	1
6	5530	16	18	416	1
7	5530	14	17.6	226	1
8	5530	13	18.7	315	1
9	5530	12	15.8	404	1
10	5530	12	17.7	313	1
11	5530	12	16.3	360	1
12	5530	16	12.6	467	1
13	5530	14	17	496	1
14	5530	13	14.3	332	1
15	5530	15	16.5	439	1
16	5530	13	16.8	414	1
17	5530	16	16.4	229	1
18	5530	14	16.1	380	1
19	5530	16	17	477	1
20	5530	15	12.3	477	1
21	5530	15	15.9	476	1
22	5530	15	13.7	257	1
23	5530	15	17.2	499	1
24	5530	12	17.1	463	1
25	5530	12	13.9	337	1
26	5530	16	18.3	323	1
27	5530	12	13.5	427	1
28	5530	14	18.3	275	1
29	5530	13	12.7	490	1
30	5530	12	12	418	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5494.6	1
12	5497	1
13	5497.8	1
14	5493.8	1
15	5493.8	1
16	5493.4	1
17	5498.6	1
18	5493	1
19	5495	1
20	5494.2	1
21	5565	1
22	5566.2	1
23	5567	1
24	5563.4	0
25	5564.2	1
26	5563	1
27	5564.2	0
28	5566.6	1
29	5565.4	1
30	5561	1
Detection Percentage: 93.3 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	74.3			0.614815	
1	3	8	69.6	1978	1651	2.96852	
2	1	8	97.6			3.448084	
3	3	8	52.3	1319	1512	4.559366	
4	3	8	86.1	1207	1184	6.494746	1
5	2	8	82.3	1569		7.759998	
6	1	8	63			9.179107	
7	3	8	62.4	1547	1789	11.944426	

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	10	75.5	1180	2000	0.53422	
1	2	10	62.7	1512		0.99327	
2	1	10	72.1			1.640018	
3	3	10	63.9	1379	1514	2.007823	
4	2	10	59.3	1901		2.773071	
5	1	10	53.5			3.50734	
6	1	10	89.5			3.717593	
7	2	10	86.1	1092		4.626335	
8	1	10	98.8			4.851534	
9	2	10	66.3	1648		5.909037	
10	2	10	71.7	1737		6.123042	1
11	1	10	87.2			6.942259	
12	3	10	88.4	1341	1239	7.520298	
13	3	10	54.8	1378	1673	8.089832	
14	1	10	51			8.666122	
15	3	10	87.9	1089	1243	9.302899	
16	1	10	66.6			10.131935	
17	1	10	58.1			10.477738	
18	2	10	56.3	1435		10.879313	
19	3	10	86.7	1577	1558	11.555836	

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	9	97.6			0.915573	
1	2	9	91.4	1846		1.153877	
2	2	9	88.1	1595		2.330742	
3	1	9	59.7			4.317104	
4	2	9	81.8	1108		5.06924	
5	2	9	63.2	1608		5.603654	1
6	2	9	77.6	1729		7.427351	
7	1	9	63.7			8.132162	
8	2	9	83	1597		9.110158	
9	1	9	84.1			10.613205	
10	2	9	70.3	1851		11.030113	

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	12	98.2	1964		0.362481	
1	3	12	78	1940	1033	2.48802	
2	2	12	80.1	1034		3.472574	
3	1	12	53.1			4.532883	1
4	2	12	73.4	1075		7.333353	
5	2	12	78.5	1988		7.985187	
6	2	12	70.8	1057		10.029268	
7	2	12	65.6	1890		11.864062	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	71	1136		0.015548	
1	3	5	69.4	1588	1060	1.010911	
2	2	5	83.7	1357		2.272828	
3	2	5	66.3	1174		3.847209	
4	2	5	68	1086		4.636	
5	2	5	58.8	1319		5.878177	
6	1	5	75			6.645757	1
7	3	5	87.3	1272	1939	7.490425	
8	1	5	80.8			8.020832	
9	1	5	69.4			9.173089	
10	2	5	76.2	1180		10.106386	
11	3	5	75.3	1468	1073	11.843297	

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	18	60.5	1232		0.73587	
1	1	18	88			1.308695	
2	2	18	79.1	1848		2.062953	
3	1	18	62.7			3.642787	
4	2	18	84.1	1572		4.211334	
5	2	18	68.8	1493		4.792632	
6	2	18	88.8	1653		6.317065	1
7	2	18	60.9	1704		6.500322	
8	3	18	80.2	1414	1771	7.617488	
9	2	18	95.4	1946		8.740256	
10	3	18	98.8	1117	1127	9.528673	
11	3	18	75.7	1558	1156	10.275205	
12	3	18	91.6	1548	1356	11.890228	

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	16	78.4			0.423224	
1	1	16	70.9			1.187544	
2	2	16	84.6	1898		1.588435	
3	3	16	72.6	1000	1037	2.24879	
4	2	16	71.2	1420		2.640205	
5	3	16	71.7	1043	1172	3.349814	
6	3	16	50.2	1007	1520	3.92507	
7	2	16	98.2	1393		4.847442	
8	3	16	92.4	1197	1471	5.172846	
9	2	16	66.8	1037		5.978296	1
10	3	16	85.8	1386	1957	6.327255	
11	1	16	68.1			7.178372	
12	2	16	99.3	1520		7.896758	
13	3	16	69.2	1595	1878	8.261789	
14	2	16	70.5	1147		9.291161	
15	3	16	83.9	1544	1252	9.972146	
16	2	16	56.9	1629		10.313709	
17	1	16	69.5			11.055602	
18	1	16	60.1			11.985865	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	90.4			0.024709	
1	1	18	63.3			1.335143	
2	2	18	78.6	1709		1.971563	
3	2	18	79.9	1613		3.117114	
4	2	18	97.9	1086		3.861271	
5	2	18	73.1	1672		4.477964	
6	3	18	97.5	1893	1639	5.367488	
7	1	18	95.9			5.982415	1
8	2	18	57.7	1644		6.71166	
9	1	18	73.8			7.986081	
10	1	18	50.6			8.430909	
11	3	18	96.3	1878	1492	8.934672	
12	2	18	91.4	1687		9.881222	
13	1	18	93.2			11.19617	
14	1	18	72.2			11.489392	

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	66.4	1480	1463	0.701708	
1	2	7	59.8	1027		1.605459	
2	2	7	50.2	1610		3.008212	
3	1	7	64.4			4.942437	
4	1	7	70.9			5.668524	1
5	2	7	81.8	1976		7.242039	
6	2	7	52.4	1714		8.029262	
7	1	7	84.8			9.437566	
8	2	7	97.5	1488		10.892574	

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	66.2	1717		0.533823	
1	2	10	91.4	1948		1.164058	
2	2	10	76.3	1945		2.147343	
3	1	10	79.6			3.023633	
4	3	10	51.9	1011	1766	3.564228	
5	1	10	53.1			4.596574	
6	1	10	58.9			5.313342	
7	2	10	94.7	1688		6.100725	1
8	2	10	97.7	1277		6.489646	
9	3	10	54.3	1064	1906	7.569556	
10	3	10	80.8	1183	1034	8.177257	
11	2	10	98.9	1205		9.413136	
12	2	10	63.5	1203		10.121024	
13	2	10	69	1114		10.91642	
14	1	10	56.9			11.347474	

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	9	63.7	1346	1220	0.004316	
1	2	9	68.7	1754		1.947017	
2	1	9	89.7			2.300108	
3	2	9	81.6	1644		3.713484	
4	3	9	64.6	1683	1508	5.161674	
5	2	9	66	1488		6.113058	1
6	1	9	89.2			7.423672	
7	2	9	74.5	1193		7.830057	
8	2	9	66.4	1324		9.688341	
9	2	9	94.9	1942		10.763576	
10	3	9	99.9	1026	1912	11.046863	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	70.3			1.143047	
1	1	15	66			1.389222	
2	2	15	71.1	1699		3.907164	
3	3	15	66.4	1376	1781	4.314761	
4	2	15	64.9	1579		6.484015	1
5	2	15	58.1	1256		7.097242	
6	1	15	73.7			8.504399	
7	2	15	77.7	1700		10.148195	
8	2	15	77.9	1541		11.932882	

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	17	68.4	1479		0.583227	
1	2	17	86.5	1532		0.719755	
2	1	17	82.7			1.586898	
3	2	17	82.7	1008		2.377253	
4	3	17	54.1	1672	1669	2.789964	
5	1	17	68.1			3.334026	
6	3	17	86.6	1007	1028	3.872526	
7	2	17	59.3	1461		4.371313	
8	1	17	90.3			4.880708	
9	2	17	93.9	1465		5.768894	
10	2	17	53.3	1403		6.239853	1
11	3	17	60.4	1717	1790	6.913992	
12	1	17	70			7.748239	
13	2	17	70.1	1546		7.888923	
14	2	17	67.1	1083		8.607733	
15	2	17	63.7	1993		9.122669	
16	1	17	59.8			10.132993	
17	1	17	64			10.293293	
18	2	17	70.3	1756		11.029581	
19	1	17	77.5			11.599436	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	85.7	1442		0.12521	
1	3	7	57.3	1506	1118	1.10478	
2	3	7	67.1	1902	1512	1.544054	
3	2	7	92	1502		2.539816	
4	2	7	90.6	1803		2.693983	
5	3	7	92.1	1020	1634	3.901781	
6	2	7	83.5	1738		4.447761	
7	1	7	55.2			4.820558	
8	2	7	60.2	1843		5.585139	1
9	2	7	94.5	1147		6.232566	
10	2	7	71.4	1753		6.83143	
11	2	7	82.1	1510		7.882525	
12	3	7	72.6	1544	1709	8.626605	
13	3	7	66.7	1741	1576	8.762767	
14	1	7	58.4			9.64748	
15	2	7	59.7	1191		10.239454	
16	3	7	81.5	1352	1901	10.976266	
17	2	7	77	1238		11.405751	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	62.5			0.294537	
1	2	7	63.8	1258		1.686245	
2	2	7	72.4	1157		1.939687	
3	2	7	93.5	1258		3.361788	
4	3	7	94.6	1216	1247	3.698818	
5	2	7	99.6	1557		4.368201	
6	1	7	65.9			5.325712	
7	2	7	84.3	1288		6.800922	1
8	1	7	61.4			7.322583	
9	1	7	58.1			8.071934	
10	3	7	53	1698	1166	9.360666	
11	3	7	90.1	1107	1474	9.618824	
12	2	7	91.6	1401		10.766946	
13	1	7	54.5			11.41761	

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	6	54.8	1076	1679	0.387086	
1	2	6	73.9	1965		0.781788	
2	2	6	66.9	1937		1.813825	
3	2	6	56.8	1978		2.264371	
4	2	6	74.8	1104		3.223577	
5	2	6	55.8	1063		3.826998	
6	3	6	95.1	1856	1434	4.705977	
7	2	6	81.8	1100		5.433374	
8	2	6	55	1281		6.582438	1
9	2	6	58.9	1507		7.469308	
10	1	6	79.8			8.190987	
11	1	6	82.7			8.280429	
12	2	6	97.1	1512		9.700841	
13	2	6	52.2	1776		10.064487	
14	2	6	53.2	1307		10.825811	
15	2	6	97.2	1383		11.934027	

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	19	82.6			0.613308	
1	1	19	53.7			2.058887	
2	1	19	83.8			3.249386	
3	2	19	86	1161		3.27785	
4	2	19	92.9	1434		4.883013	
5	1	19	69.8			5.889879	1
6	2	19	85.5	1890		7.578024	
7	1	19	74.6			8.136139	
8	3	19	98.2	1040	1067	9.608055	
9	2	19	72.4	1506		10.032118	
10	3	19	84.9	1336	1474	11.416922	

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	54.3	1258		0.238655	
1	2	5	82.8	1878		1.423424	
2	3	5	51	1382	1644	2.157577	
3	2	5	89.4	1615		2.501357	
4	3	5	96.8	1472	1452	3.516901	
5	2	5	63.4	1378		4.105696	
6	3	5	98.1	1124	1124	4.81432	
7	3	5	79.5	1488	1837	5.688201	
8	1	5	81.8			6.737825	1
9	3	5	85.3	1643	1585	6.901199	
10	2	5	69.1	1803		7.865489	
11	3	5	88.6	1687	1752	8.691415	
12	2	5	72.8	1326		9.737441	
13	1	5	61.4			10.461916	
14	2	5	93.7	1123		10.702239	
15	2	5	73.5	1463		11.403051	

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	10	83.1			0.562051	
1	3	10	71.5	1989	1830	1.601103	
2	1	10	82.2			2.956417	
3	2	10	89.9	1892		3.854422	
4	1	10	61.8			5.837072	1
5	1	10	67			6.714177	
6	2	10	97	1323		8.243816	
7	3	10	54.8	1351	1443	9.122394	
8	2	10	97.7	1245		10.263096	
9	2	10	81.9	1454		11.293596	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	94.8	1213	1112	0.544172	
1	3	8	96.7	1978	1800	1.437353	
2	2	8	65.7	1215		2.107795	
3	2	8	80	1160		3.174785	
4	1	8	76.8			4.856491	
5	1	8	98			5.861912	
6	3	8	94.4	1802	1898	6.332909	1
7	3	8	96	1183	1970	7.353172	
8	2	8	51.7	1625		8.729904	
9	2	8	63.3	1485		9.065152	
10	2	8	59.4	1035		10.027586	
11	2	8	53.2	1499		11.509871	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	95.1	1686		1.181977	
1	1	10	92.7			2.308169	
2	2	10	50.3	1738		2.696947	
3	1	10	62			3.604942	
4	3	10	78.7	1882	1195	5.286891	1
5	2	10	66.9	1712		6.603692	
6	2	10	80.3	1614		7.470477	
7	2	10	75.7	1435		9.520702	
8	2	10	63.3	1544		9.895392	
9	1	10	66.1			10.845053	

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	7	55.7	1898		0.173892	
1	3	7	52.5	1675	1751	0.821805	
2	2	7	76	1230		1.640287	
3	2	7	50.8	1713		2.207445	
4	1	7	60.5			2.888211	
5	1	7	87.6			3.893229	
6	2	7	70.2	1717		4.480097	
7	3	7	65.5	1017	1704	4.755674	
8	3	7	65.8	1110	1980	5.348976	1
9	3	7	74	1297	1011	6.61939	
10	3	7	56	1805	1417	7.101502	
11	3	7	63.6	1505	1414	7.893689	
12	1	7	90.7			8.382618	
13	2	7	70.7	1854		8.926281	
14	2	7	71.5	1752		9.643324	
15	1	7	71			10.399979	
16	2	7	57.4	1805		10.69063	
17	3	7	72.8	1937	1922	11.491005	

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	5	56.7	1251		0.250637	
1	2	5	75.1	1869		1.22692	
2	2	5	58.2	1212		1.468108	
3	2	5	81.4	1192		2.639451	
4	2	5	89.7	1325		3.299071	
5	1	5	77.3			3.754861	
6	2	5	53.9	1831		4.860526	
7	2	5	92	1775		5.493203	
8	1	5	63.1			5.844677	1
9	2	5	72.7	1163		6.963295	
10	2	5	94.7	1512		7.066709	
11	2	5	74.6	1364		8.081364	
12	2	5	92	1603		9.14635	
13	1	5	52.6			9.478204	
14	2	5	83.9	1638		10.395343	
15	2	5	58.2	1418		11.227958	
16	3	5	57.3	1457	1525	11.748713	

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	94.6			1.08148	
1	2	14	98	1558		2.517799	
2	2	14	97	1581		2.761883	
3	2	14	54.6	1478		5.155834	
4	3	14	84.2	1056	1686	6.113075	0
5	1	14	99			7.52382	
6	2	14	59.8	1795		9.068136	
7	1	14	69.6			9.391471	
8	1	14	65.4			10.965021	

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	12	72.9	1125		1.314052	
1	2	12	94.7	1928		2.684296	
2	1	12	93.4			4.492721	
3	3	12	69.8	1885	1951	5.54785	1
4	2	12	60.1	1615		6.725829	
5	1	12	75.5			8.609494	
6	2	12	85.5	1412		9.866691	
7	2	12	59.4	1271		11.854055	

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	15	65.7			0.546097	
1	2	15	65.6	1441		1.227075	
2	3	15	88.6	1130	1883	1.638597	
3	2	15	78	1918		2.174662	
4	1	15	57.2			2.622914	
5	3	15	93.7	1698	1840	3.292742	
6	3	15	95.6	1695	1483	4.182701	
7	2	15	92.5	1075		4.479472	
8	2	15	83.4	1880		5.437437	
9	2	15	64.6	1800		6.04758	1
10	1	15	76.1			6.502355	
11	2	15	77.2	1306		7.202774	
12	1	15	89.7			7.780991	
13	1	15	88.7			8.381916	
14	2	15	59.7	1454		8.917459	
15	1	15	94			10.019178	
16	2	15	60.9	1727		10.452584	
17	1	15	61.4			11.199078	
18	3	15	51.6	1761	1813	11.504015	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	87.4	1797		0.300086	
1	2	12	62.1	1069		1.116778	
2	2	12	82.8	1108		3.148701	
3	2	12	95.7	1002		3.480919	
4	2	12	94.3	1805		4.876654	
5	1	12	86.9			6.486876	0
6	2	12	72.4	1258		7.094694	
7	2	12	90.8	1462		8.151699	
8	2	12	63.3	1918		9.680977	
9	2	12	89.7	1564		10.45343	
10	3	12	74.7	1332	1675	11.491896	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	88.8	1067		0.438211	
1	2	6	59.3	1135		1.053026	
2	2	6	78.3	1608		2.498088	
3	2	6	59.6	1458		3.336799	
4	2	6	53.3	1130		3.578059	
5	1	6	93.7			4.935352	
6	1	6	80.9			5.307056	
7	3	6	66.9	1700	1532	6.572751	1
8	1	6	93.9			6.908833	
9	1	6	92.2			7.948434	
10	1	6	78.9			8.975121	
11	3	6	67.9	1904	1554	10.160835	
12	2	6	90.7	1095		10.614574	
13	3	6	93.1	1144	1193	11.217556	

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	9	60.7			0.215636	
1	2	9	68.6	1411		2.527139	
2	2	9	96.3	1631		4.125889	
3	2	9	74.8	2000		4.834235	
4	1	9	53.3			7.389442	1
5	3	9	53	1435	1951	7.961083	
6	3	9	73.7	1371	1344	9.45445	
7	3	9	95.6	1657	1163	11.357442	

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	20	72.4			0.322308	
1	2	20	86.6	1081		1.123038	
2	2	20	55.9	1165		1.303	
3	3	20	73.8	1208	1937	2.166453	
4	2	20	90.7	1851		2.728765	
5	2	20	51.7	1388		3.509223	
6	2	20	92.5	1428		4.09153	
7	2	20	56.2	1913		4.566313	
8	2	20	91.9	1907		5.395909	
9	2	20	91.7	1987		5.912069	1
10	1	20	56.4			6.448839	
11	2	20	99.9	1391		7.313671	
12	2	20	99.6	1589		7.881758	
13	3	20	90	1222	1854	8.758244	
14	1	20	68			9.054078	
15	3	20	90.1	1515	1150	9.879742	
16	2	20	82.2	1326		10.694425	
17	1	20	68.7			11.35285	
18	2	20	79.4	1574		11.510195	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530	9	1	333	1	5654.0, 5594.0, 5686.0, 5288.0, 5544.0, 5272.0, 5611.0, 5633.0, 5443.0, 5565.0, 5294.0, 5253.0, 5266.0, 5489.0, 5311.0, 5644.0, 5638.0, 5625.0, 5420.0, 5310.0, 5689.0, 5579.0, 5679.0, 5267.0, 5721.0, 5322.0, 5663.0, 5711.0, 5269.0, 5469.0, 5584.0, 5372.0, 5705.0, 5558.0, 5651.0, 5381.0, 5287.0, 5639.0, 5470.0, 5442.0, 5459.0, 5520.0, 5599.0, 5510.0, 5439.0, 5508.0, 5486.0, 5366.0, 5642.0, 5357.0, 5421.0, 5685.0, 5539.0, 5583.0, 5716.0, 5320.0, 5262.0, 5719.0, 5484.0, 5370.0, 5383.0, 5333.0, 5586.0, 5313.0, 5274.0, 5291.0, 5398.0, 5541.0, 5713.0, 5502.0, 5629.0, 5722.0, 5338.0, 5434.0, 5400.0, 5628.0, 5403.0, 5620.0, 5656.0, 5378.0, 5447.0, 5429.0, 5376.0, 5657.0, 5472.0, 5445.0, 5596.0, 5683.0, 5405.0, 5395.0, 5535.0, 5352.0, 5573.0, 5552.0, 5473.0, 5453.0, 5566.0, 5630.0, 5375.0, 5379.0 (number of hits: 12)
2	5530	9	1	333	1	5262.0, 5349.0, 5666.0, 5281.0, 5552.0, 5457.0, 5360.0, 5370.0, 5488.0, 5408.0, 5413.0, 5703.0, 5653.0, 5667.0, 5416.0, 5690.0, 5639.0, 5328.0, 5513.0, 5309.0, 5301.0, 5374.0, 5377.0, 5452.0, 5338.0, 5256.0, 5444.0, 5512.0, 5322.0, 5651.0, 5454.0, 5610.0, 5525.0, 5443.0, 5659.0, 5442.0, 5565.0, 5434.0, 5327.0, 5693.0, 5267.0, 5671.0, 5634.0, 5564.0, 5389.0, 5599.0, 5506.0, 5579.0, 5533.0, 5532.0, 5650.0, 5403.0, 5266.0, 5332.0, 5478.0, 5710.0, 5483.0, 5288.0, 5350.0, 5251.0, 5472.0, 5425.0, 5469.0, 5489.0, 5422.0, 5704.0, 5508.0, 5700.0, 5362.0, 5260.0, 5326.0, 5541.0, 5482.0, 5303.0, 5384.0, 5660.0, 5337.0, 5421.0, 5668.0, 5544.0, 5628.0, 5505.0, 5555.0, 5621.0, 5524.0, 5619.0, 5419.0, 5582.0, 5373.0, 5543.0, 5707.0, 5592.0, 5678.0, 5633.0, 5445.0, 5296.0, 5679.0, 5415.0, 5672.0, 5622.0 (number of hits: 16)
3	5530	9	1	333	1	5601.0, 5416.0, 5283.0, 5705.0, 5340.0, 5422.0, 5541.0, 5558.0, 5593.0, 5320.0, 5398.0, 5384.0, 5338.0, 5343.0, 5395.0, 5666.0, 5536.0, 5612.0, 5367.0, 5508.0, 5473.0, 5292.0, 5625.0, 5369.0, 5537.0, 5274.0, 5290.0, 5414.0, 5698.0, 5617.0, 5576.0, 5603.0, 5439.0, 5291.0, 5566.0, 5615.0, 5276.0, 5456.0, 5362.0, 5400.0, 5700.0, 5710.0, 5486.0, 5644.0, 5521.0, 5423.0, 5447.0, 5377.0, 5336.0, 5691.0, 5699.0, 5572.0, 5638.0, 5623.0, 5318.0,

						5421.0, 5487.0, 5271.0, 5438.0, 5692.0, 5330.0, 5513.0, 5618.0, 5680.0, 5711.0, 5479.0, 5568.0, 5653.0, 5434.0, 5687.0, 5533.0, 5383.0, 5650.0, 5428.0, 5387.0, 5289.0, 5468.0, 5670.0, 5453.0, 5504.0, 5341.0, 5382.0, 5319.0, 5506.0, 5425.0, 5331.0, 5334.0, 5674.0, 5524.0, 5527.0, 5267.0, 5302.0, 5491.0, 5345.0, 5444.0, 5712.0, 5489.0, 5375.0, 5538.0, 5392.0 (number of hits: 16)
4	5530	9	1	333	1	5634.0, 5261.0, 5698.0, 5388.0, 5492.0, 5360.0, 5324.0, 5368.0, 5686.0, 5551.0, 5369.0, 5569.0, 5700.0, 5638.0, 5504.0, 5447.0, 5456.0, 5637.0, 5280.0, 5282.0, 5660.0, 5259.0, 5446.0, 5662.0, 5285.0, 5450.0, 5262.0, 5663.0, 5643.0, 5595.0, 5500.0, 5335.0, 5330.0, 5515.0, 5555.0, 5491.0, 5353.0, 5488.0, 5667.0, 5649.0, 5452.0, 5678.0, 5430.0, 5462.0, 5294.0, 5633.0, 5406.0, 5680.0, 5304.0, 5514.0, 5541.0, 5558.0, 5371.0, 5479.0, 5437.0, 5288.0, 5615.0, 5318.0, 5402.0, 5317.0, 5478.0, 5512.0, 5358.0, 5517.0, 5347.0, 5670.0, 5273.0, 5661.0, 5278.0, 5616.0, 5622.0, 5448.0, 5377.0, 5535.0, 5473.0, 5533.0, 5711.0, 5485.0, 5253.0, 5586.0, 5321.0, 5433.0, 5546.0, 5453.0, 5379.0, 5266.0, 5270.0, 5251.0, 5719.0, 5381.0, 5652.0, 5618.0, 5269.0, 5258.0, 5613.0, 5272.0, 5562.0, 5655.0, 5536.0, 5374.0 (number of hits: 18)
5	5530	9	1	333	1	5395.0, 5383.0, 5515.0, 5389.0, 5314.0, 5549.0, 5371.0, 5703.0, 5254.0, 5429.0, 5604.0, 5547.0, 5475.0, 5496.0, 5495.0, 5499.0, 5672.0, 5509.0, 5539.0, 5521.0, 5428.0, 5373.0, 5385.0, 5689.0, 5627.0, 5375.0, 5655.0, 5545.0, 5593.0, 5596.0, 5452.0, 5556.0, 5334.0, 5365.0, 5668.0, 5408.0, 5323.0, 5546.0, 5304.0, 5572.0, 5650.0, 5680.0, 5368.0, 5274.0, 5259.0, 5317.0, 5537.0, 5471.0, 5690.0, 5335.0, 5401.0, 5698.0, 5488.0, 5262.0, 5381.0, 5599.0, 5644.0, 5343.0, 5679.0, 5562.0, 5507.0, 5616.0, 5253.0, 5498.0, 5416.0, 5422.0, 5464.0, 5558.0, 5656.0, 5695.0, 5719.0, 5613.0, 5577.0, 5457.0, 5305.0, 5711.0, 5473.0, 5293.0, 5398.0, 5643.0, 5397.0, 5642.0, 5349.0, 5340.0, 5524.0, 5568.0, 5555.0, 5459.0, 5367.0, 5476.0, 5469.0, 5444.0, 5325.0, 5494.0, 5354.0, 5394.0, 5574.0, 5403.0, 5512.0, 5330.0 (number of hits: 22)
6	5530	9	1	333	1	5260.0, 5413.0, 5624.0, 5429.0, 5536.0, 5703.0, 5307.0, 5575.0, 5408.0, 5600.0, 5508.0, 5297.0, 5628.0, 5542.0, 5537.0, 5700.0, 5588.0, 5685.0, 5662.0, 5470.0, 5289.0, 5635.0, 5581.0, 5407.0, 5607.0, 5257.0, 5359.0, 5325.0, 5425.0, 5333.0, 5656.0, 5365.0, 5707.0, 5627.0, 5443.0,

						5535.0, 5639.0, 5354.0, 5462.0, 5582.0, 5488.0, 5345.0, 5677.0, 5286.0, 5483.0, 5620.0, 5251.0, 5331.0, 5293.0, 5446.0, 5714.0, 5296.0, 5283.0, 5309.0, 5667.0, 5590.0, 5267.0, 5664.0, 5336.0, 5467.0, 5368.0, 5391.0, 5342.0, 5266.0, 5532.0, 5278.0, 5356.0, 5643.0, 5593.0, 5660.0, 5349.0, 5530.0, 5396.0, 5511.0, 5584.0, 5319.0, 5722.0, 5653.0, 5427.0, 5436.0, 5611.0, 5471.0, 5672.0, 5567.0, 5431.0, 5702.0, 5648.0, 5424.0, 5646.0, 5320.0, 5657.0, 5274.0, 5490.0, 5339.0, 5416.0, 5719.0, 5649.0, 5482.0, 5645.0, 5562.0 (number of hits: 11)
7	5530	9	1	333	1	5510.0, 5456.0, 5264.0, 5459.0, 5580.0, 5623.0, 5357.0, 5567.0, 5336.0, 5386.0, 5635.0, 5281.0, 5291.0, 5379.0, 5256.0, 5501.0, 5364.0, 5653.0, 5499.0, 5328.0, 5439.0, 5710.0, 5434.0, 5410.0, 5313.0, 5457.0, 5666.0, 5440.0, 5577.0, 5384.0, 5403.0, 5480.0, 5491.0, 5289.0, 5422.0, 5557.0, 5454.0, 5503.0, 5330.0, 5574.0, 5424.0, 5421.0, 5435.0, 5305.0, 5631.0, 5714.0, 5525.0, 5278.0, 5450.0, 5622.0, 5645.0, 5566.0, 5477.0, 5481.0, 5683.0, 5449.0, 5290.0, 5702.0, 5314.0, 5293.0, 5335.0, 5475.0, 5341.0, 5684.0, 5687.0, 5519.0, 5308.0, 5558.0, 5340.0, 5516.0, 5283.0, 5646.0, 5334.0, 5694.0, 5706.0, 5269.0, 5326.0, 5585.0, 5458.0, 5713.0, 5363.0, 5442.0, 5356.0, 5504.0, 5302.0, 5506.0, 5722.0, 5428.0, 5507.0, 5610.0, 5625.0, 5607.0, 5628.0, 5261.0, 5696.0, 5534.0, 5482.0, 5695.0, 5599.0, 5445.0 (number of hits: 16)
8	5530	9	1	333	1	5523.0, 5372.0, 5669.0, 5683.0, 5562.0, 5260.0, 5314.0, 5502.0, 5305.0, 5535.0, 5299.0, 5471.0, 5321.0, 5324.0, 5313.0, 5510.0, 5650.0, 5345.0, 5441.0, 5374.0, 5609.0, 5606.0, 5657.0, 5350.0, 5718.0, 5710.0, 5388.0, 5434.0, 5690.0, 5703.0, 5576.0, 5270.0, 5672.0, 5630.0, 5460.0, 5433.0, 5681.0, 5662.0, 5490.0, 5687.0, 5501.0, 5458.0, 5542.0, 5280.0, 5467.0, 5668.0, 5714.0, 5708.0, 5287.0, 5404.0, 5578.0, 5291.0, 5619.0, 5656.0, 5381.0, 5688.0, 5343.0, 5580.0, 5347.0, 5689.0, 5436.0, 5713.0, 5721.0, 5269.0, 5386.0, 5265.0, 5369.0, 5340.0, 5298.0, 5552.0, 5512.0, 5461.0, 5624.0, 5478.0, 5586.0, 5464.0, 5621.0, 5613.0, 5655.0, 5394.0, 5285.0, 5384.0, 5622.0, 5494.0, 5598.0, 5592.0, 5320.0, 5503.0, 5475.0, 5537.0, 5486.0, 5472.0, 5318.0, 5375.0, 5543.0, 5487.0, 5273.0, 5310.0, 5396.0, 5595.0 (number of hits: 14)
9	5530	9	1	333	1	5295.0, 5386.0, 5440.0, 5663.0, 5681.0, 5477.0, 5413.0, 5282.0, 5257.0, 5471.0, 5602.0, 5345.0, 5721.0, 5533.0, 5558.0,

						5635.0, 5613.0, 5581.0, 5696.0, 5684.0, 5278.0, 5522.0, 5402.0, 5348.0, 5451.0, 5641.0, 5325.0, 5327.0, 5695.0, 5406.0, 5677.0, 5294.0, 5607.0, 5308.0, 5411.0, 5717.0, 5643.0, 5598.0, 5455.0, 5350.0, 5283.0, 5614.0, 5636.0, 5630.0, 5666.0, 5420.0, 5318.0, 5624.0, 5310.0, 5532.0, 5461.0, 5395.0, 5655.0, 5433.0, 5646.0, 5385.0, 5276.0, 5309.0, 5432.0, 5651.0, 5557.0, 5578.0, 5301.0, 5351.0, 5431.0, 5610.0, 5498.0, 5689.0, 5589.0, 5401.0, 5504.0, 5583.0, 5540.0, 5515.0, 5709.0, 5360.0, 5344.0, 5297.0, 5476.0, 5664.0, 5321.0, 5649.0, 5472.0, 5438.0, 5536.0, 5320.0, 5485.0, 5670.0, 5303.0, 5376.0, 5619.0, 5456.0, 5361.0, 5497.0, 5647.0, 5627.0, 5660.0, 5650.0, 5499.0, 5714.0 (number of hits: 12)
10	5530	9	1	333	1	5262.0, 5681.0, 5418.0, 5623.0, 5599.0, 5511.0, 5260.0, 5493.0, 5272.0, 5718.0, 5396.0, 5593.0, 5318.0, 5522.0, 5635.0, 5541.0, 5398.0, 5448.0, 5263.0, 5655.0, 5530.0, 5611.0, 5546.0, 5328.0, 5643.0, 5290.0, 5395.0, 5684.0, 5390.0, 5379.0, 5715.0, 5703.0, 5574.0, 5420.0, 5367.0, 5478.0, 5331.0, 5416.0, 5498.0, 5639.0, 5463.0, 5471.0, 5467.0, 5251.0, 5359.0, 5268.0, 5250.0, 5621.0, 5614.0, 5374.0, 5408.0, 5346.0, 5422.0, 5289.0, 5252.0, 5350.0, 5446.0, 5492.0, 5671.0, 5564.0, 5301.0, 5410.0, 5341.0, 5256.0, 5636.0, 5535.0, 5653.0, 5258.0, 5364.0, 5689.0, 5528.0, 5322.0, 5311.0, 5514.0, 5458.0, 5375.0, 5475.0, 5682.0, 5297.0, 5300.0, 5310.0, 5473.0, 5338.0, 5551.0, 5721.0, 5720.0, 5620.0, 5411.0, 5717.0, 5683.0, 5666.0, 5339.0, 5377.0, 5615.0, 5613.0, 5588.0, 5273.0, 5668.0, 5587.0, 5347.0 (number of hits: 13)
11	5530	9	1	333	1	5425.0, 5619.0, 5320.0, 5416.0, 5439.0, 5316.0, 5634.0, 5256.0, 5444.0, 5603.0, 5550.0, 5354.0, 5429.0, 5340.0, 5676.0, 5621.0, 5544.0, 5602.0, 5668.0, 5481.0, 5688.0, 5615.0, 5680.0, 5465.0, 5298.0, 5577.0, 5684.0, 5381.0, 5296.0, 5357.0, 5457.0, 5352.0, 5252.0, 5541.0, 5694.0, 5546.0, 5271.0, 5675.0, 5458.0, 5581.0, 5389.0, 5579.0, 5267.0, 5625.0, 5665.0, 5628.0, 5408.0, 5530.0, 5521.0, 5519.0, 5578.0, 5312.0, 5363.0, 5339.0, 5459.0, 5489.0, 5411.0, 5590.0, 5473.0, 5574.0, 5506.0, 5325.0, 5700.0, 5474.0, 5512.0, 5375.0, 5335.0, 5349.0, 5709.0, 5406.0, 5479.0, 5485.0, 5568.0, 5502.0, 5393.0, 5718.0, 5596.0, 5594.0, 5420.0, 5402.0, 5289.0, 5653.0, 5691.0, 5633.0, 5627.0, 5436.0, 5697.0, 5478.0, 5638.0, 5720.0, 5703.0, 5384.0, 5712.0, 5322.0, 5597.0, 5503.0, 5662.0, 5654.0, 5326.0, 5463.0

						(number of hits: 12)
12	5530	9	1	333	1	5416.0, 5611.0, 5387.0, 5669.0, 5506.0, 5269.0, 5510.0, 5590.0, 5355.0, 5709.0, 5605.0, 5586.0, 5261.0, 5616.0, 5300.0, 5638.0, 5335.0, 5509.0, 5505.0, 5653.0, 5626.0, 5449.0, 5273.0, 5571.0, 5270.0, 5460.0, 5551.0, 5555.0, 5662.0, 5415.0, 5367.0, 5686.0, 5425.0, 5631.0, 5287.0, 5435.0, 5520.0, 5418.0, 5317.0, 5254.0, 5531.0, 5575.0, 5250.0, 5569.0, 5491.0, 5383.0, 5707.0, 5282.0, 5627.0, 5462.0, 5382.0, 5272.0, 5678.0, 5397.0, 5279.0, 5260.0, 5696.0, 5267.0, 5285.0, 5587.0, 5619.0, 5487.0, 5546.0, 5464.0, 5356.0, 5644.0, 5500.0, 5647.0, 5683.0, 5318.0, 5570.0, 5568.0, 5306.0, 5399.0, 5252.0, 5259.0, 5670.0, 5357.0, 5639.0, 5274.0, 5326.0, 5295.0, 5475.0, 5710.0, 5543.0, 5657.0, 5428.0, 5379.0, 5328.0, 5378.0, 5615.0, 5565.0, 5427.0, 5513.0, 5508.0, 5493.0, 5444.0, 5316.0, 5385.0, 5552.0
						(number of hits: 19)
13	5530	9	1	333	1	5683.0, 5372.0, 5323.0, 5556.0, 5662.0, 5522.0, 5639.0, 5446.0, 5675.0, 5259.0, 5444.0, 5609.0, 5277.0, 5605.0, 5585.0, 5276.0, 5535.0, 5302.0, 5721.0, 5464.0, 5340.0, 5592.0, 5251.0, 5441.0, 5532.0, 5645.0, 5674.0, 5261.0, 5500.0, 5509.0, 5590.0, 5369.0, 5612.0, 5599.0, 5723.0, 5406.0, 5714.0, 5636.0, 5573.0, 5420.0, 5542.0, 5409.0, 5414.0, 5329.0, 5555.0, 5641.0, 5325.0, 5567.0, 5660.0, 5661.0, 5578.0, 5471.0, 5282.0, 5607.0, 5466.0, 5280.0, 5640.0, 5402.0, 5547.0, 5528.0, 5476.0, 5693.0, 5385.0, 5559.0, 5469.0, 5510.0, 5317.0, 5689.0, 5307.0, 5627.0, 5541.0, 5598.0, 5455.0, 5421.0, 5480.0, 5448.0, 5435.0, 5267.0, 5331.0, 5386.0, 5254.0, 5458.0, 5465.0, 5451.0, 5664.0, 5513.0, 5353.0, 5494.0, 5450.0, 5294.0, 5297.0, 5468.0, 5377.0, 5384.0, 5608.0, 5442.0, 5638.0, 5322.0, 5657.0, 5595.0
						(number of hits: 16)
14	5530	9	1	333	1	5349.0, 5579.0, 5692.0, 5362.0, 5672.0, 5641.0, 5506.0, 5297.0, 5534.0, 5341.0, 5493.0, 5337.0, 5285.0, 5325.0, 5519.0, 5612.0, 5721.0, 5505.0, 5462.0, 5356.0, 5687.0, 5432.0, 5661.0, 5402.0, 5571.0, 5444.0, 5522.0, 5722.0, 5690.0, 5716.0, 5707.0, 5474.0, 5330.0, 5650.0, 5510.0, 5405.0, 5294.0, 5583.0, 5328.0, 5336.0, 5680.0, 5293.0, 5333.0, 5326.0, 5677.0, 5310.0, 5346.0, 5422.0, 5360.0, 5550.0, 5380.0, 5262.0, 5576.0, 5348.0, 5345.0, 5282.0, 5706.0, 5399.0, 5670.0, 5401.0, 5277.0, 5304.0, 5604.0, 5283.0, 5520.0, 5467.0, 5472.0, 5500.0, 5629.0, 5411.0, 5703.0, 5382.0, 5267.0, 5273.0, 5587.0, 5334.0, 5473.0, 5496.0, 5567.0, 5423.0,

						5290.0, 5675.0, 5686.0, 5430.0, 5596.0, 5389.0, 5363.0, 5306.0, 5671.0, 5421.0, 5258.0, 5678.0, 5448.0, 5676.0, 5391.0, 5595.0, 5626.0, 5559.0, 5369.0, 5255.0 (number of hits: 13)
15	5530	9	1	333	1	5566.0, 5473.0, 5423.0, 5304.0, 5588.0, 5476.0, 5551.0, 5680.0, 5695.0, 5424.0, 5376.0, 5677.0, 5326.0, 5462.0, 5373.0, 5584.0, 5676.0, 5672.0, 5598.0, 5380.0, 5290.0, 5506.0, 5694.0, 5617.0, 5289.0, 5327.0, 5589.0, 5288.0, 5442.0, 5612.0, 5324.0, 5375.0, 5331.0, 5471.0, 5592.0, 5486.0, 5379.0, 5297.0, 5622.0, 5320.0, 5287.0, 5428.0, 5426.0, 5563.0, 5549.0, 5499.0, 5684.0, 5435.0, 5545.0, 5706.0, 5562.0, 5550.0, 5518.0, 5721.0, 5441.0, 5323.0, 5699.0, 5368.0, 5642.0, 5710.0, 5515.0, 5338.0, 5709.0, 5415.0, 5293.0, 5295.0, 5334.0, 5599.0, 5400.0, 5520.0, 5296.0, 5537.0, 5586.0, 5367.0, 5627.0, 5286.0, 5649.0, 5437.0, 5692.0, 5443.0, 5394.0, 5687.0, 5344.0, 5663.0, 5626.0, 5301.0, 5458.0, 5264.0, 5638.0, 5620.0, 5452.0, 5397.0, 5405.0, 5485.0, 5281.0, 5631.0, 5625.0, 5536.0, 5337.0, 5298.0 (number of hits: 14)
16	5530	9	1	333	1	5670.0, 5623.0, 5285.0, 5471.0, 5708.0, 5341.0, 5585.0, 5267.0, 5698.0, 5512.0, 5599.0, 5492.0, 5402.0, 5281.0, 5418.0, 5663.0, 5389.0, 5440.0, 5400.0, 5308.0, 5501.0, 5329.0, 5701.0, 5362.0, 5370.0, 5711.0, 5632.0, 5448.0, 5393.0, 5505.0, 5401.0, 5326.0, 5371.0, 5283.0, 5533.0, 5619.0, 5556.0, 5338.0, 5343.0, 5454.0, 5537.0, 5409.0, 5667.0, 5611.0, 5558.0, 5462.0, 5617.0, 5514.0, 5368.0, 5264.0, 5650.0, 5662.0, 5487.0, 5458.0, 5508.0, 5493.0, 5607.0, 5333.0, 5609.0, 5403.0, 5581.0, 5464.0, 5597.0, 5298.0, 5610.0, 5506.0, 5570.0, 5680.0, 5319.0, 5703.0, 5430.0, 5437.0, 5668.0, 5545.0, 5312.0, 5646.0, 5642.0, 5484.0, 5274.0, 5421.0, 5482.0, 5605.0, 5654.0, 5450.0, 5554.0, 5658.0, 5603.0, 5445.0, 5529.0, 5532.0, 5594.0, 5604.0, 5645.0, 5463.0, 5433.0, 5548.0, 5550.0, 5590.0, 5255.0, 5500.0 (number of hits: 19)
17	5530	9	1	333	1	5637.0, 5562.0, 5385.0, 5475.0, 5316.0, 5650.0, 5565.0, 5566.0, 5572.0, 5319.0, 5683.0, 5546.0, 5293.0, 5690.0, 5393.0, 5404.0, 5627.0, 5292.0, 5291.0, 5467.0, 5471.0, 5585.0, 5692.0, 5346.0, 5503.0, 5379.0, 5276.0, 5589.0, 5446.0, 5521.0, 5617.0, 5441.0, 5703.0, 5378.0, 5667.0, 5596.0, 5306.0, 5449.0, 5680.0, 5463.0, 5651.0, 5663.0, 5423.0, 5686.0, 5354.0, 5554.0, 5341.0, 5644.0, 5388.0, 5285.0, 5461.0, 5386.0, 5601.0, 5451.0, 5359.0, 5564.0, 5448.0, 5381.0, 5431.0, 5619.0,

						5443.0, 5701.0, 5348.0, 5647.0, 5427.0, 5533.0, 5472.0, 5512.0, 5485.0, 5389.0, 5495.0, 5659.0, 5511.0, 5327.0, 5268.0, 5362.0, 5350.0, 5409.0, 5312.0, 5434.0, 5580.0, 5263.0, 5497.0, 5470.0, 5488.0, 5677.0, 5352.0, 5286.0, 5416.0, 5709.0, 5538.0, 5339.0, 5270.0, 5515.0, 5411.0, 5329.0, 5387.0, 5283.0, 5450.0, 5516.0 (number of hits: 16)
18	5530	9	1	333	1	5400.0, 5635.0, 5489.0, 5298.0, 5638.0, 5327.0, 5690.0, 5525.0, 5294.0, 5291.0, 5391.0, 5624.0, 5633.0, 5556.0, 5306.0, 5516.0, 5349.0, 5473.0, 5581.0, 5499.0, 5322.0, 5586.0, 5606.0, 5354.0, 5422.0, 5258.0, 5541.0, 5600.0, 5626.0, 5482.0, 5458.0, 5515.0, 5686.0, 5434.0, 5651.0, 5533.0, 5576.0, 5385.0, 5302.0, 5362.0, 5509.0, 5284.0, 5615.0, 5552.0, 5662.0, 5716.0, 5685.0, 5430.0, 5293.0, 5523.0, 5663.0, 5290.0, 5356.0, 5358.0, 5274.0, 5370.0, 5341.0, 5494.0, 5605.0, 5460.0, 5542.0, 5257.0, 5361.0, 5407.0, 5582.0, 5406.0, 5502.0, 5507.0, 5675.0, 5452.0, 5602.0, 5318.0, 5386.0, 5466.0, 5382.0, 5637.0, 5715.0, 5522.0, 5331.0, 5342.0, 5616.0, 5537.0, 5424.0, 5446.0, 5277.0, 5445.0, 5570.0, 5411.0, 5292.0, 5486.0, 5543.0, 5549.0, 5679.0, 5554.0, 5269.0, 5532.0, 5350.0, 5431.0, 5527.0, 5368.0 (number of hits: 21)
19	5530	9	1	333	1	5636.0, 5380.0, 5511.0, 5387.0, 5310.0, 5493.0, 5564.0, 5561.0, 5333.0, 5677.0, 5417.0, 5388.0, 5657.0, 5479.0, 5332.0, 5649.0, 5259.0, 5689.0, 5320.0, 5720.0, 5337.0, 5494.0, 5641.0, 5455.0, 5681.0, 5527.0, 5578.0, 5584.0, 5394.0, 5496.0, 5492.0, 5567.0, 5597.0, 5447.0, 5317.0, 5508.0, 5360.0, 5592.0, 5682.0, 5347.0, 5275.0, 5255.0, 5361.0, 5618.0, 5721.0, 5602.0, 5468.0, 5423.0, 5501.0, 5707.0, 5631.0, 5621.0, 5590.0, 5356.0, 5302.0, 5410.0, 5635.0, 5325.0, 5396.0, 5611.0, 5277.0, 5412.0, 5311.0, 5431.0, 5273.0, 5465.0, 5335.0, 5312.0, 5512.0, 5391.0, 5459.0, 5712.0, 5291.0, 5450.0, 5348.0, 5472.0, 5397.0, 5393.0, 5383.0, 5280.0, 5699.0, 5406.0, 5471.0, 5647.0, 5334.0, 5418.0, 5440.0, 5419.0, 5646.0, 5523.0, 5401.0, 5461.0, 5504.0, 5524.0, 5464.0, 5576.0, 5488.0, 5722.0, 5318.0, 5575.0 (number of hits: 15)
20	5530	9	1	333	1	5526.0, 5335.0, 5429.0, 5599.0, 5578.0, 5489.0, 5664.0, 5371.0, 5358.0, 5702.0, 5291.0, 5713.0, 5394.0, 5293.0, 5584.0, 5520.0, 5386.0, 5582.0, 5287.0, 5381.0, 5317.0, 5577.0, 5637.0, 5404.0, 5369.0, 5328.0, 5579.0, 5656.0, 5475.0, 5353.0, 5548.0, 5589.0, 5615.0, 5538.0, 5681.0, 5600.0, 5640.0, 5706.0, 5495.0, 5539.0,

						5285.0, 5279.0, 5301.0, 5705.0, 5449.0, 5497.0, 5690.0, 5707.0, 5697.0, 5532.0, 5376.0, 5692.0, 5433.0, 5636.0, 5547.0, 5568.0, 5687.0, 5259.0, 5519.0, 5560.0, 5459.0, 5483.0, 5621.0, 5642.0, 5700.0, 5419.0, 5337.0, 5390.0, 5391.0, 5501.0, 5400.0, 5564.0, 5701.0, 5350.0, 5322.0, 5714.0, 5466.0, 5310.0, 5606.0, 5633.0, 5699.0, 5673.0, 5583.0, 5298.0, 5696.0, 5667.0, 5677.0, 5333.0, 5486.0, 5448.0, 5496.0, 5711.0, 5598.0, 5510.0, 5318.0, 5378.0, 5521.0, 5704.0, 5264.0, 5359.0 (number of hits: 17)
21	5530	9	1	333	1	5386.0, 5499.0, 5430.0, 5346.0, 5290.0, 5511.0, 5421.0, 5588.0, 5306.0, 5514.0, 5699.0, 5507.0, 5599.0, 5661.0, 5427.0, 5679.0, 5585.0, 5336.0, 5645.0, 5572.0, 5563.0, 5615.0, 5690.0, 5388.0, 5308.0, 5459.0, 5369.0, 5676.0, 5454.0, 5324.0, 5701.0, 5646.0, 5422.0, 5648.0, 5267.0, 5589.0, 5442.0, 5607.0, 5682.0, 5300.0, 5626.0, 5339.0, 5338.0, 5340.0, 5637.0, 5562.0, 5321.0, 5570.0, 5297.0, 5513.0, 5403.0, 5303.0, 5419.0, 5630.0, 5286.0, 5323.0, 5251.0, 5707.0, 5627.0, 5378.0, 5609.0, 5722.0, 5597.0, 5669.0, 5501.0, 5465.0, 5356.0, 5440.0, 5635.0, 5396.0, 5374.0, 5494.0, 5417.0, 5620.0, 5351.0, 5602.0, 5641.0, 5666.0, 5441.0, 5284.0, 5578.0, 5316.0, 5647.0, 5385.0, 5520.0, 5327.0, 5335.0, 5596.0, 5492.0, 5365.0, 5452.0, 5610.0, 5680.0, 5368.0, 5364.0, 5334.0, 5448.0, 5611.0, 5603.0, 5450.0 (number of hits: 11)
22	5530	9	1	333	1	5636.0, 5380.0, 5716.0, 5487.0, 5278.0, 5338.0, 5268.0, 5374.0, 5438.0, 5357.0, 5354.0, 5339.0, 5302.0, 5291.0, 5654.0, 5530.0, 5324.0, 5720.0, 5609.0, 5615.0, 5253.0, 5314.0, 5425.0, 5370.0, 5597.0, 5344.0, 5581.0, 5722.0, 5550.0, 5445.0, 5700.0, 5262.0, 5382.0, 5474.0, 5343.0, 5509.0, 5381.0, 5658.0, 5256.0, 5477.0, 5450.0, 5349.0, 5707.0, 5261.0, 5668.0, 5377.0, 5616.0, 5329.0, 5420.0, 5485.0, 5403.0, 5524.0, 5355.0, 5691.0, 5660.0, 5441.0, 5663.0, 5605.0, 5598.0, 5703.0, 5328.0, 5659.0, 5715.0, 5431.0, 5402.0, 5544.0, 5627.0, 5704.0, 5614.0, 5617.0, 5320.0, 5275.0, 5676.0, 5526.0, 5501.0, 5473.0, 5469.0, 5628.0, 5495.0, 5322.0, 5361.0, 5432.0, 5373.0, 5459.0, 5263.0, 5258.0, 5298.0, 5307.0, 5652.0, 5661.0, 5519.0, 5591.0, 5620.0, 5687.0, 5604.0, 5553.0, 5452.0, 5578.0, 5288.0, 5624.0 (number of hits: 10)
23	5530	9	1	333	1	5679.0, 5678.0, 5595.0, 5542.0, 5286.0, 5371.0, 5661.0, 5423.0, 5617.0, 5506.0, 5491.0, 5466.0, 5618.0, 5609.0, 5425.0, 5431.0, 5298.0, 5261.0, 5546.0, 5712.0,

						5461.0, 5495.0, 5521.0, 5342.0, 5527.0, 5686.0, 5479.0, 5382.0, 5447.0, 5454.0, 5635.0, 5327.0, 5586.0, 5574.0, 5561.0, 5388.0, 5409.0, 5592.0, 5275.0, 5649.0, 5526.0, 5723.0, 5508.0, 5357.0, 5505.0, 5339.0, 5597.0, 5540.0, 5581.0, 5254.0, 5685.0, 5482.0, 5610.0, 5413.0, 5290.0, 5588.0, 5400.0, 5319.0, 5468.0, 5684.0, 5594.0, 5659.0, 5389.0, 5321.0, 5702.0, 5367.0, 5533.0, 5705.0, 5424.0, 5583.0, 5571.0, 5532.0, 5511.0, 5296.0, 5392.0, 5643.0, 5326.0, 5537.0, 5434.0, 5398.0, 5689.0, 5519.0, 5410.0, 5502.0, 5634.0, 5552.0, 5493.0, 5361.0, 5518.0, 5455.0, 5268.0, 5579.0, 5280.0, 5375.0, 5264.0, 5312.0, 5670.0, 5354.0, 5601.0, 5565.0 (number of hits: 22)
24	5530	9	1	333	1	5358.0, 5469.0, 5684.0, 5384.0, 5443.0, 5625.0, 5477.0, 5330.0, 5285.0, 5678.0, 5659.0, 5303.0, 5635.0, 5360.0, 5557.0, 5593.0, 5632.0, 5471.0, 5411.0, 5467.0, 5501.0, 5326.0, 5266.0, 5364.0, 5587.0, 5713.0, 5354.0, 5291.0, 5624.0, 5457.0, 5313.0, 5629.0, 5674.0, 5380.0, 5516.0, 5571.0, 5484.0, 5645.0, 5250.0, 5452.0, 5692.0, 5623.0, 5345.0, 5272.0, 5475.0, 5559.0, 5323.0, 5627.0, 5550.0, 5608.0, 5252.0, 5626.0, 5652.0, 5264.0, 5508.0, 5585.0, 5650.0, 5724.0, 5305.0, 5636.0, 5653.0, 5640.0, 5429.0, 5714.0, 5445.0, 5511.0, 5577.0, 5644.0, 5648.0, 5472.0, 5259.0, 5451.0, 5263.0, 5662.0, 5485.0, 5500.0, 5366.0, 5441.0, 5710.0, 5502.0, 5270.0, 5314.0, 5271.0, 5444.0, 5547.0, 5386.0, 5696.0, 5279.0, 5523.0, 5433.0, 5514.0, 5381.0, 5458.0, 5255.0, 5353.0, 5419.0, 5675.0, 5341.0, 5254.0, 5590.0 (number of hits: 12)
25	5530	9	1	333	1	5562.0, 5692.0, 5281.0, 5345.0, 5421.0, 5714.0, 5401.0, 5451.0, 5496.0, 5634.0, 5293.0, 5635.0, 5576.0, 5417.0, 5651.0, 5627.0, 5454.0, 5624.0, 5593.0, 5567.0, 5316.0, 5459.0, 5495.0, 5709.0, 5277.0, 5506.0, 5661.0, 5470.0, 5420.0, 5685.0, 5598.0, 5712.0, 5708.0, 5706.0, 5473.0, 5678.0, 5558.0, 5271.0, 5314.0, 5383.0, 5564.0, 5480.0, 5254.0, 5458.0, 5523.0, 5415.0, 5282.0, 5310.0, 5704.0, 5514.0, 5718.0, 5255.0, 5357.0, 5569.0, 5268.0, 5340.0, 5649.0, 5646.0, 5723.0, 5312.0, 5702.0, 5368.0, 5428.0, 5697.0, 5548.0, 5464.0, 5605.0, 5251.0, 5396.0, 5392.0, 5656.0, 5638.0, 5416.0, 5412.0, 5267.0, 5360.0, 5344.0, 5387.0, 5381.0, 5342.0, 5713.0, 5625.0, 5373.0, 5549.0, 5674.0, 5472.0, 5513.0, 5716.0, 5499.0, 5483.0, 5504.0, 5419.0, 5265.0, 5681.0, 5667.0, 5439.0, 5590.0, 5518.0, 5361.0, 5286.0 (number of hits: 16)

26	5530	9	1	333	1	5502.0, 5375.0, 5352.0, 5719.0, 5319.0, 5418.0, 5584.0, 5672.0, 5448.0, 5422.0, 5434.0, 5318.0, 5275.0, 5574.0, 5685.0, 5695.0, 5370.0, 5652.0, 5364.0, 5669.0, 5325.0, 5613.0, 5705.0, 5349.0, 5385.0, 5650.0, 5673.0, 5545.0, 5253.0, 5572.0, 5355.0, 5392.0, 5709.0, 5326.0, 5609.0, 5307.0, 5286.0, 5645.0, 5285.0, 5599.0, 5660.0, 5686.0, 5668.0, 5453.0, 5696.0, 5327.0, 5381.0, 5388.0, 5517.0, 5566.0, 5360.0, 5671.0, 5661.0, 5313.0, 5391.0, 5640.0, 5563.0, 5460.0, 5593.0, 5293.0, 5300.0, 5541.0, 5683.0, 5699.0, 5691.0, 5596.0, 5465.0, 5488.0, 5282.0, 5626.0, 5606.0, 5611.0, 5548.0, 5329.0, 5679.0, 5582.0, 5339.0, 5297.0, 5641.0, 5457.0, 5357.0, 5522.0, 5451.0, 5651.0, 5621.0, 5538.0, 5259.0, 5481.0, 5510.0, 5476.0, 5529.0, 5508.0, 5537.0, 5302.0, 5580.0, 5367.0, 5306.0, 5697.0, 5372.0, 5413.0 (number of hits: 13)
27	5530	9	1	333	1	5655.0, 5548.0, 5671.0, 5634.0, 5350.0, 5399.0, 5367.0, 5271.0, 5722.0, 5566.0, 5533.0, 5601.0, 5673.0, 5555.0, 5704.0, 5497.0, 5443.0, 5470.0, 5534.0, 5412.0, 5250.0, 5263.0, 5505.0, 5690.0, 5680.0, 5591.0, 5646.0, 5679.0, 5558.0, 5509.0, 5494.0, 5269.0, 5666.0, 5343.0, 5299.0, 5338.0, 5309.0, 5714.0, 5265.0, 5554.0, 5292.0, 5639.0, 5642.0, 5561.0, 5488.0, 5473.0, 5496.0, 5590.0, 5541.0, 5621.0, 5262.0, 5444.0, 5582.0, 5305.0, 5377.0, 5274.0, 5403.0, 5482.0, 5326.0, 5631.0, 5540.0, 5576.0, 5298.0, 5428.0, 5721.0, 5705.0, 5409.0, 5506.0, 5711.0, 5459.0, 5279.0, 5652.0, 5313.0, 5653.0, 5448.0, 5260.0, 5716.0, 5456.0, 5658.0, 5684.0, 5406.0, 5287.0, 5341.0, 5366.0, 5708.0, 5625.0, 5324.0, 5694.0, 5355.0, 5632.0, 5277.0, 5328.0, 5390.0, 5308.0, 5640.0, 5345.0, 5663.0, 5408.0, 5615.0, 5335.0 (number of hits: 16)
28	5530	9	1	333	1	5661.0, 5697.0, 5333.0, 5477.0, 5478.0, 5722.0, 5613.0, 5580.0, 5591.0, 5482.0, 5252.0, 5276.0, 5449.0, 5357.0, 5665.0, 5505.0, 5291.0, 5610.0, 5706.0, 5305.0, 5557.0, 5653.0, 5656.0, 5397.0, 5537.0, 5448.0, 5644.0, 5462.0, 5585.0, 5515.0, 5431.0, 5518.0, 5643.0, 5507.0, 5658.0, 5620.0, 5502.0, 5572.0, 5265.0, 5553.0, 5316.0, 5330.0, 5717.0, 5579.0, 5349.0, 5331.0, 5263.0, 5675.0, 5310.0, 5446.0, 5627.0, 5673.0, 5672.0, 5638.0, 5434.0, 5427.0, 5382.0, 5376.0, 5573.0, 5260.0, 5278.0, 5703.0, 5318.0, 5664.0, 5426.0, 5494.0, 5345.0, 5630.0, 5670.0, 5588.0, 5284.0, 5500.0, 5483.0, 5713.0, 5369.0, 5411.0, 5712.0, 5498.0, 5421.0, 5618.0, 5442.0, 5490.0, 5259.0, 5393.0, 5718.0,

						5479.0, 5570.0, 5294.0, 5433.0, 5271.0, 5395.0, 5701.0, 5584.0, 5669.0, 5342.0, 5493.0, 5356.0, 5328.0, 5325.0, 5336.0 (number of hits: 13)
29	5530	9	1	333	1	5492.0, 5512.0, 5663.0, 5252.0, 5290.0, 5691.0, 5643.0, 5568.0, 5561.0, 5502.0, 5676.0, 5687.0, 5671.0, 5312.0, 5664.0, 5632.0, 5366.0, 5622.0, 5307.0, 5273.0, 5454.0, 5547.0, 5565.0, 5599.0, 5315.0, 5703.0, 5711.0, 5465.0, 5684.0, 5423.0, 5539.0, 5604.0, 5627.0, 5304.0, 5572.0, 5325.0, 5429.0, 5681.0, 5508.0, 5625.0, 5511.0, 5619.0, 5706.0, 5407.0, 5493.0, 5328.0, 5613.0, 5588.0, 5480.0, 5280.0, 5558.0, 5620.0, 5383.0, 5287.0, 5456.0, 5370.0, 5482.0, 5392.0, 5575.0, 5602.0, 5296.0, 5481.0, 5447.0, 5410.0, 5578.0, 5276.0, 5277.0, 5419.0, 5406.0, 5348.0, 5373.0, 5652.0, 5438.0, 5415.0, 5587.0, 5331.0, 5654.0, 5527.0, 5498.0, 5612.0, 5679.0, 5530.0, 5591.0, 5256.0, 5507.0, 5279.0, 5702.0, 5464.0, 5350.0, 5590.0, 5326.0, 5477.0, 5641.0, 5501.0, 5486.0, 5422.0, 5265.0, 5603.0, 5316.0, 5686.0 (number of hits: 17)
30	5530	9	1	333	1	5690.0, 5379.0, 5286.0, 5390.0, 5696.0, 5353.0, 5396.0, 5278.0, 5470.0, 5657.0, 5712.0, 5386.0, 5435.0, 5548.0, 5557.0, 5658.0, 5645.0, 5334.0, 5438.0, 5458.0, 5549.0, 5617.0, 5661.0, 5493.0, 5275.0, 5280.0, 5305.0, 5513.0, 5553.0, 5546.0, 5324.0, 5502.0, 5393.0, 5319.0, 5339.0, 5606.0, 5524.0, 5627.0, 5529.0, 5394.0, 5723.0, 5282.0, 5445.0, 5291.0, 5273.0, 5423.0, 5715.0, 5436.0, 5308.0, 5485.0, 5647.0, 5649.0, 5709.0, 5480.0, 5579.0, 5363.0, 5293.0, 5711.0, 5454.0, 5459.0, 5368.0, 5375.0, 5538.0, 5687.0, 5636.0, 5399.0, 5312.0, 5721.0, 5525.0, 5429.0, 5540.0, 5662.0, 5420.0, 5674.0, 5506.0, 5401.0, 5367.0, 5664.0, 5298.0, 5628.0, 5620.0, 5443.0, 5660.0, 5621.0, 5315.0, 5544.0, 5545.0, 5654.0, 5466.0, 5277.0, 5382.0, 5614.0, 5263.0, 5552.0, 5403.0, 5507.0, 5372.0, 5646.0, 5616.0, 5530.0 (number of hits: 19)

10 Bridge and/or MESH mode

10.1 Test standard

Networks Access Points with Bridge and/or MESH modes of operation are permitted to operate in the DFS bands but must employ a DFS function. The functionality of the Bridge mode as specified in §15.403(a) must be validated in the DFS test report. Devices operating as relays where they act as master and client must also employ DFS function for the master. The method used to validate the functionality must be documented and validation data must be documented. Bridge mode can be validated by performing a test statistical performance check (Section 7.8.4) on any one of the radar types. This is an abbreviated test to verify DFS functionality. MESH mode operational methodology must be submitted in the application for certification for evaluation by the FCC.

10.2 Test result

5280MHz

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5280	23	4.7	220	1
2	5280	28	2.0	180	1
3	5280	26	1.7	182	1
4	5280	24	1.9	214	1
5	5280	24	2.6	176	1
6	5280	26	1.4	186	1
7	5280	26	1.7	217	1
8	5280	25	4.0	150	1
9	5280	28	1.1	172	1
10	5280	28	4.3	214	1
11	5280	25	1.6	204	1
12	5280	24	4.7	211	1
13	5280	29	1.1	178	1
14	5280	24	1.6	194	1
15	5280	29	4.1	203	1
16	5280	26	4.2	197	1
17	5280	23	3.4	190	1
18	5280	23	2	166	1
19	5280	26	4	223	1
20	5280	28	1.1	172	1
21	5280	28	4.3	214	1
22	5280	25	1.6	204	1
23	5280	23	1.6	186	1
24	5280	23	1.3	197	1
25	5280	23	1.1	184	1
26	5280	26	3.2	177	1
27	5280	28	4.4	172	1
28	5280	29	1.7	156	1
29	5280	28	4.4	167	1
30	5280	29	4.4	198	1
Detection Percentage: 100 % (>60%)					

5540MHz

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5540	24	1.3	162	1
2	5540	25	3.4	155	1
3	5540	29	2.9	225	1
4	5540	29	3.2	226	1
5	5540	27	4	194	1
6	5540	24	1.3	162	1
7	5540	25	3.4	155	1
8	5540	29	2.9	225	1
9	5540	24	5	171	1
10	5540	29	3.2	226	1
11	5540	27	4	194	1
12	5540	27	3	229	1
13	5540	27	3.2	207	1
14	5540	24	1.4	168	1
15	5540	24	5	171	1
16	5540	29	4.5	150	1
17	5540	27	4.8	184	1
18	5540	29	3.3	168	1
19	5540	29	4.6	203	1
20	5540	25	4.9	226	1
21	5540	28	2.4	207	1
22	5540	23	2.2	165	1
23	5540	27	3.4	204	1
24	5540	29	2.3	203	1
25	5540	23	3.1	179	1
26	5540	23	2.2	165	1
27	5540	27	3.4	204	1
28	5540	29	2.3	203	1
29	5540	20	1	2763	1
30	5540	22	1	2468	1
Detection Percentage: 100 % (>60%)					