FCC PART 15.407
DYNAMIC FREQUENCY SELECTION
TEST AND MEASUREMENT REPORT

For

Ruckus Wireless, Inc.

350 West Java Drive,

Sunnyvale, CA 94089, USA

FCC ID: S9G-MPE5AC33A

Report Type:	**Equipment Type:**
Class II Permissive Change	802.11ac mini-PCI Express Radio Module

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Report Number:	R1504013-DFS
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1504013-DFS	Initial	2015-06-29

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of *Ruckus Wireless, Inc.*, and their product FCC ID: S9G-MPE5AC33A, model: *MPE5AC33A* or the "EUT" as referred on this report. The EUT is an 802.11ac mini-PCI Express Radio Module. The EUT was tested in Ruckus Wireless host, model R700.

1.2 Mechanical Description of EUT

The "EUT" measures approximately *6.7cm (L) x 3.8cm (W) x 1.1cm (H)*, and weighs approximately *16*g.

The test data gathered are from typical production sample, serial number: CTS0413RK0085 *provided by the manufacture.*

1.3 Objective

This report is prepared on behalf of *Ruckus Wireless, Inc.* in accordance with FCC CFR47 §15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r01

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)

KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r01

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

1.6 Test Facility

Bay Area Compliance Laboratories Corp. (BACL) is:

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

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

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

4 - A Product Certification Body accredited to **ISO Guide 65: 1996** by **A2LA** to certify:
1- Unlicensed, Licensed radio frequency devices and Telephone Terminal Equipment for the FCC. Scope A1, A2, A3, A4, B1, B2, B3, B4 & C.
2. Radio Standards Specifications (RSS) in the Category I Equipment Standards List and All Broadcasting Technical Standards (BETS) in Category I Equipment Standards List for Industry Canada.
3. Radio Communication Equipment for Singapore.
4. Radio Equipment Specifications, GMDSS Marine Radio Equipment Specifications, and Fixed Network Equipment Specifications for Hong Kong.
5. Japan MIC Telecommunication Business Law (A1, A2) and Radio Law (B1, B2 and B3).
6. Audio/Video, Battery Charging Systems, Computers, Displays, Enterprise Servers, Imaging Equipment, Set-Top Boxes, Telephony, Televisions, Ceiling Fans, CFLs (including GU24s), Decorative Light Strings, Integral LED Lamps, Luminaires, Residential Ventilating Fans.

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

The test site at BACL Corp. has been fully described in reports submitted to the Federal Communication Commission (FCC) and Voluntary Control Council for Interference (VCCI). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 11 and December 10, 1997, and Article 8 of the VCCI regulations on December 25, 1997. The test site also complies with the test methods and procedures set forth in CISPR 22:2008 §10.4 for measurements below 1 GHz and §10.6 for measurements above 1 GHz, as well as ANSI C63.4-2009, ANSI C63.4-2009, TIA/EIA-603 & CISPR 24: 2010.

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

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

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

2 EUT Test Configuration

2.1 Justification

The EUT was configured for testing according to FCC Part 15.407(H), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r01

2.2 EUT Exercise Software

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

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E5420	CHZCMQ1

2.5 EUT Internal Configuration Details

N/A: The EUT is a module and the serial number is shown on section 1.2.

2.6 Interface Ports and Cables

Cable Description	Length (m)	To	From
RF Cable	<1.0	PSA	EUT
RJ 45 Cable	<1.0	Laptop	EUT

2.7 Power Supply List and Details

Manufacturer	Description	Model	Serial Number
Ruckus Wireless	Switching adapter	MPBS-12020000	-

3 Summary of Test Results

The following result table represents the list of measurements required under the CFR47 §47 Part15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r01. 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 v01r01

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), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r01

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 values, Master or Client incorporating In-Service Monitoring

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 662911D01.

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: The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows:
- For the Short Pulse Radar Test Signals this instant is the end of the *Burst*.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar *Burst* generated.
- For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the *Radar Waveform*.

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 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 5: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{PRI_{\mu sec}}\right)\right\}$	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

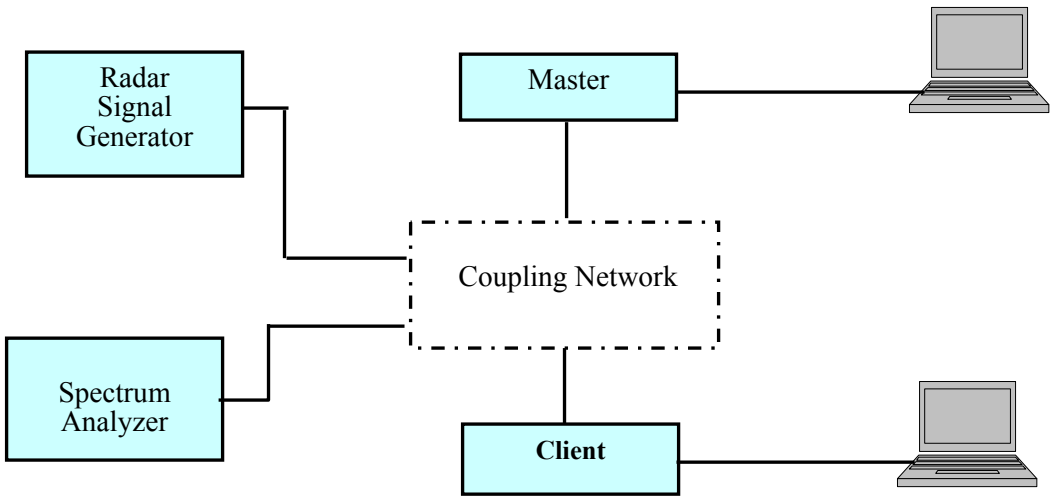
Table 7: Frequency Hopping Radar Test Signal

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

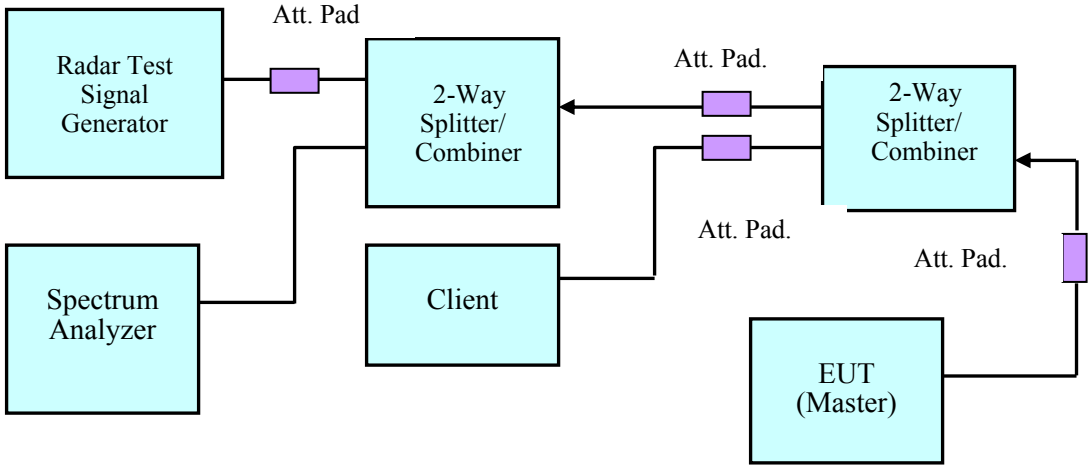
4.2 DFS Measurement System

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

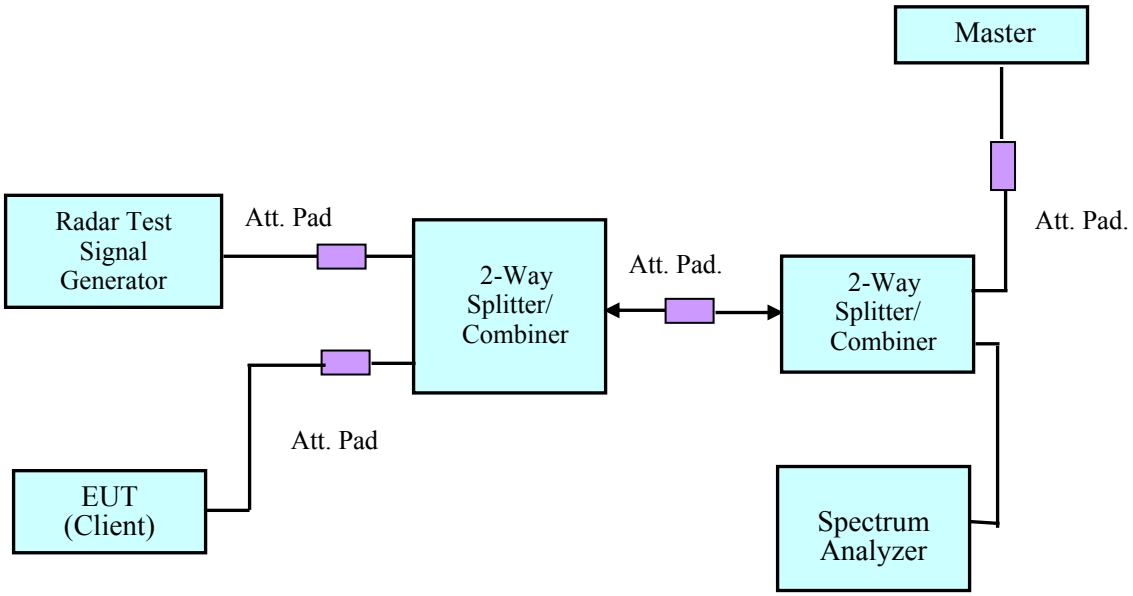
4.3 System Block Diagram



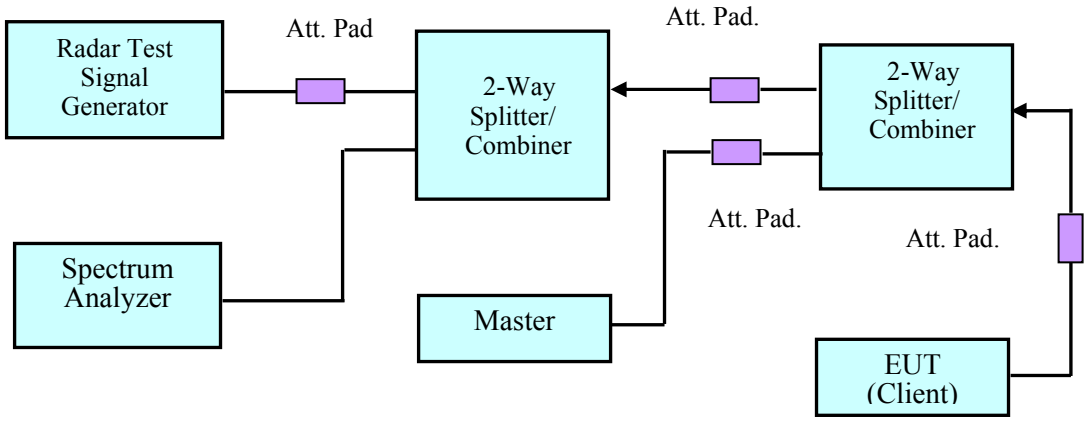
4.4 Conducted Method



Setup for Master with injection at the Master

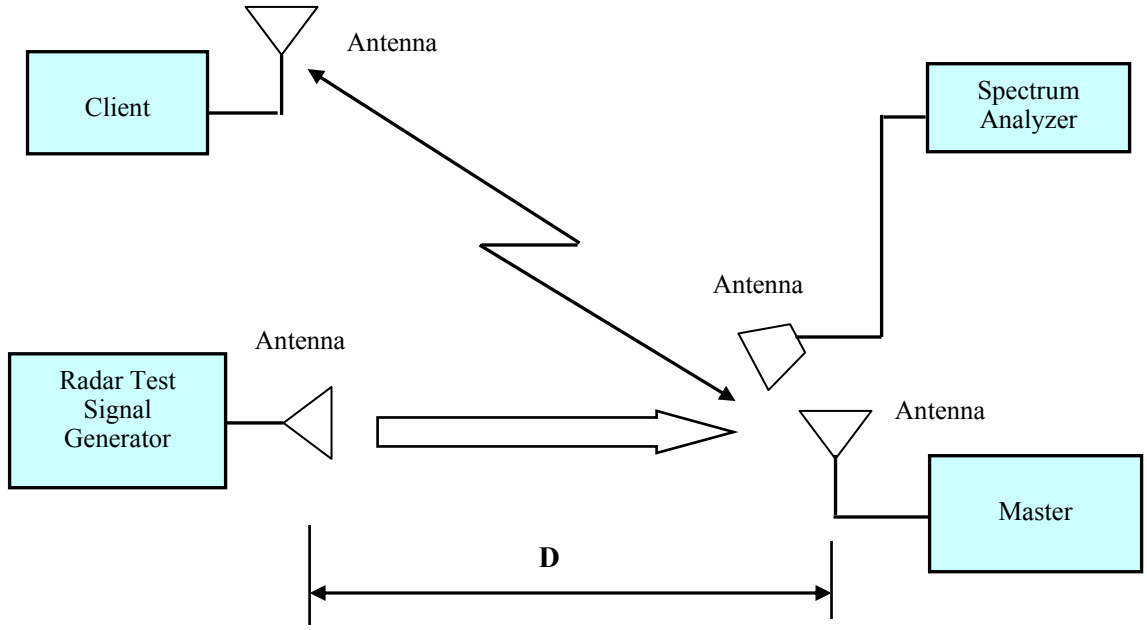


Setup for Client with injection at the Master



Setup for Client with injection at the Client

4.5 Radiated Method



4.6 Test Procedure

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

5 Test Results

5.1 Description of EUT

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

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

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

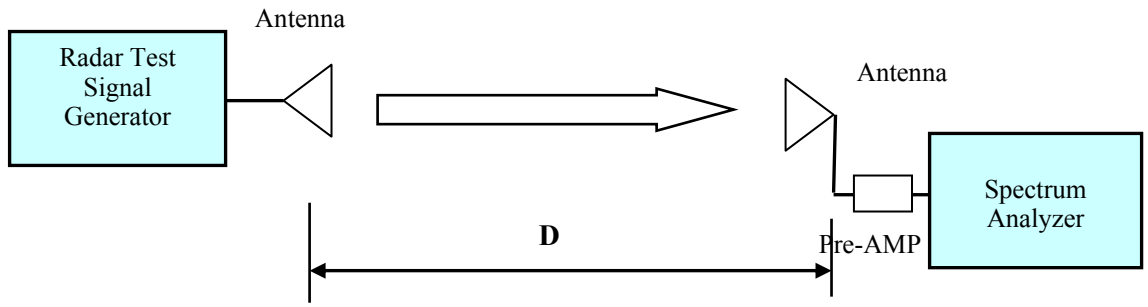
WLAN traffic is generated by streaming the video file TestFile.mpg, this file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. The file is streamed from the Access Point to the Client in full motion video mode using the media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

The EUT was tested with the 3.0 dBi gain antenna.

5.2 Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Date
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A
Agilent	Spectrum Analyzer	E4440A	MY44303352	2014-10-16
A.R.A.	Antenna Horn	DRG-118/A	1132	2015-01-29
EMCO	Antenna Horn	3115	9511-4627	2014-10-17
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	N/A
Narda	Splitter/Combiner	4326B-2	03514	N/A
Midwest	Attenuator	290-30	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A

5.3 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.4 Test Environmental Conditions

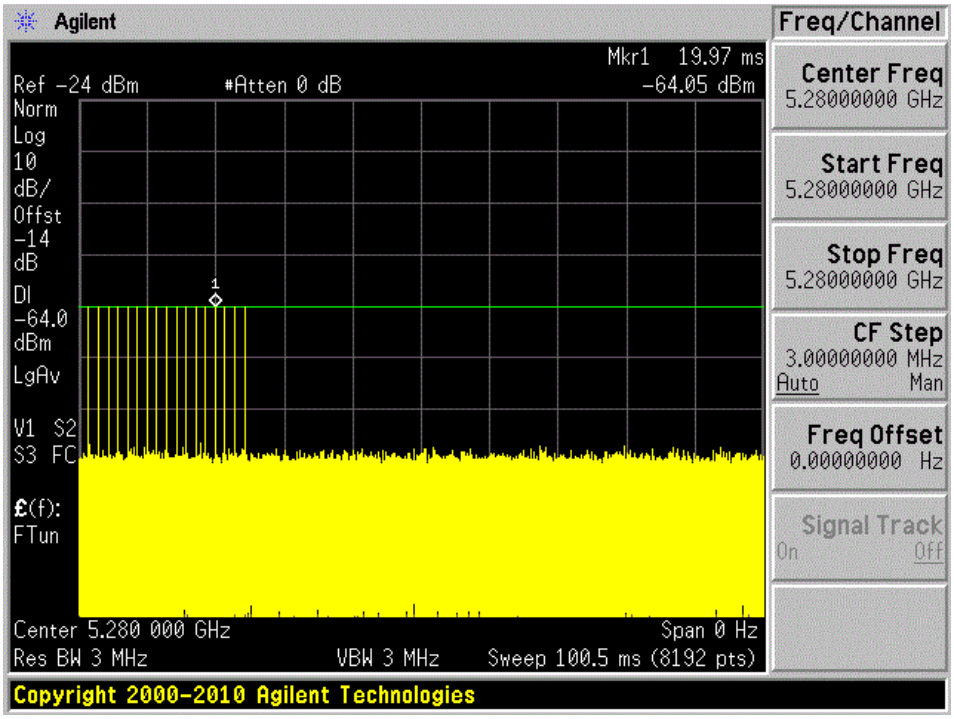
Temperature:	23° C
Relative Humidity:	33 %
ATM Pressure:	101.65 kPa

Testing performed by Bo Li on 2015-05-12 at DFS testing site.

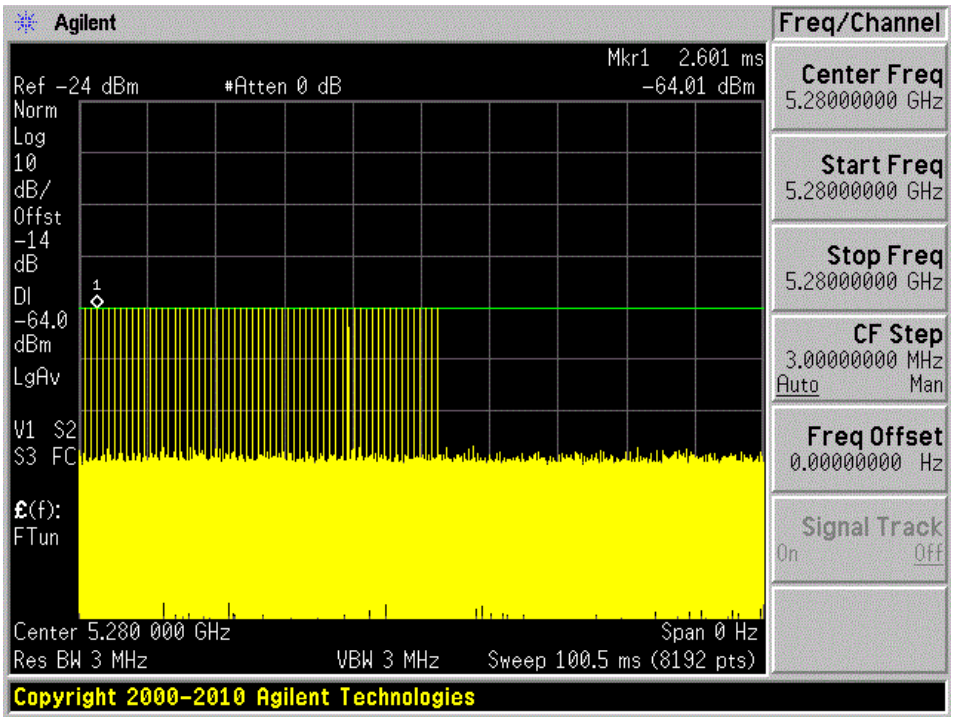
Plots of Radar Waveforms

5280 MHz

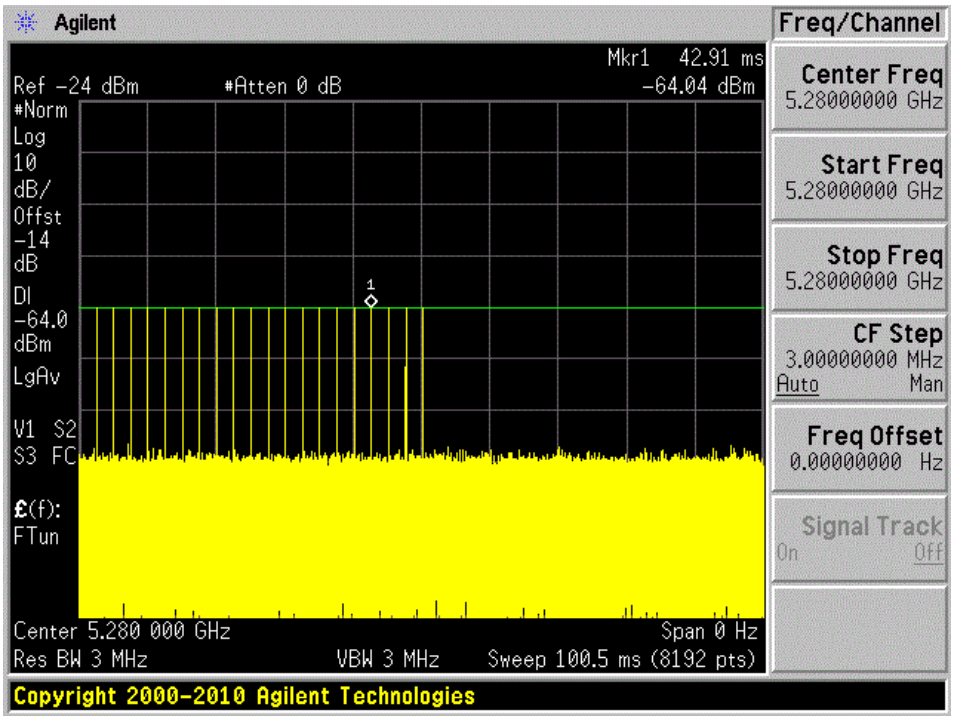
Radar Type 0



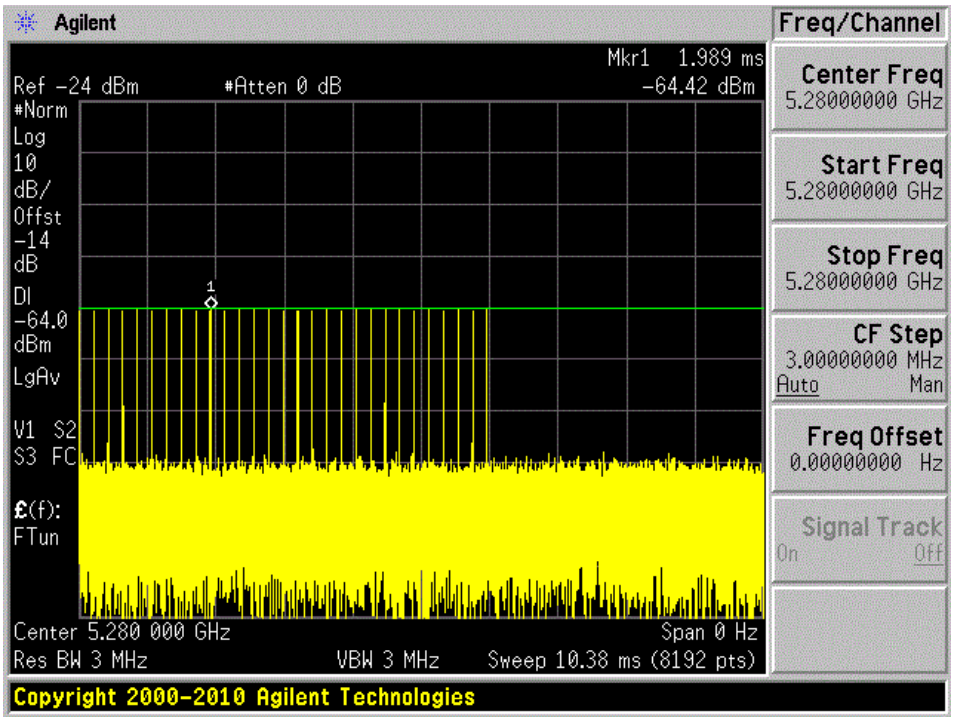
Radar Type 1A



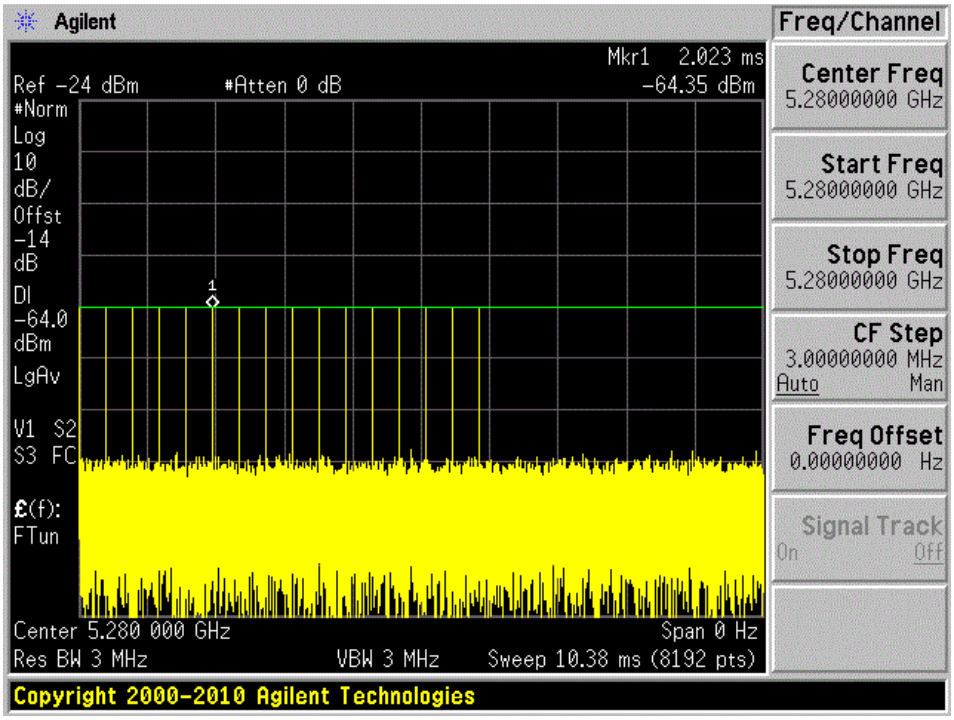
Radar Type 1B



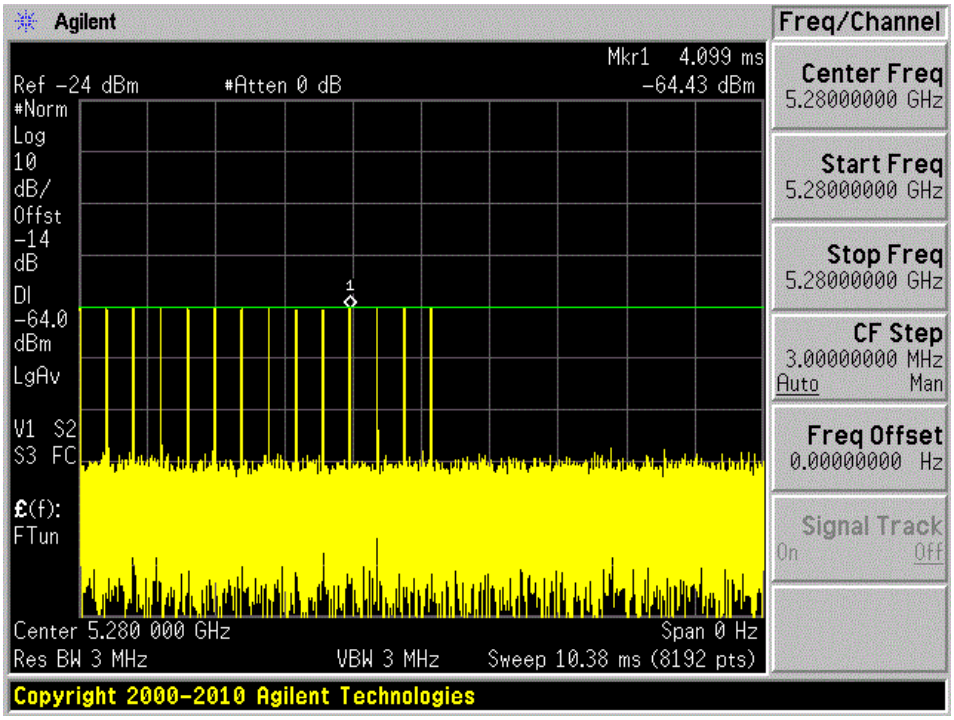
Radar Type 2



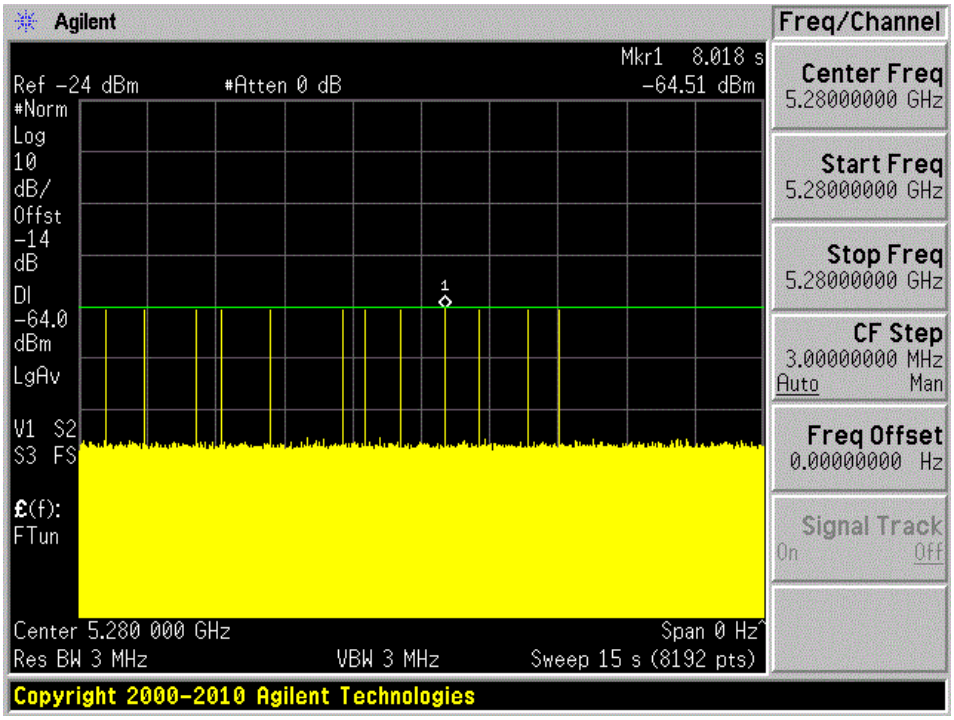
Radar Type 3



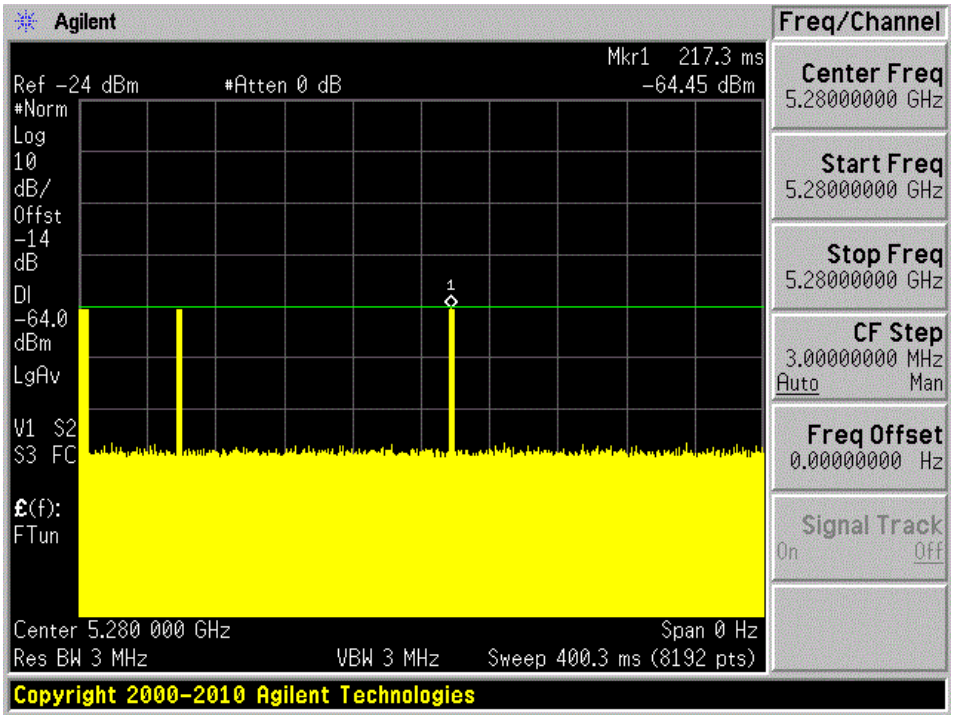
Radar Type 4



Radar Type 5

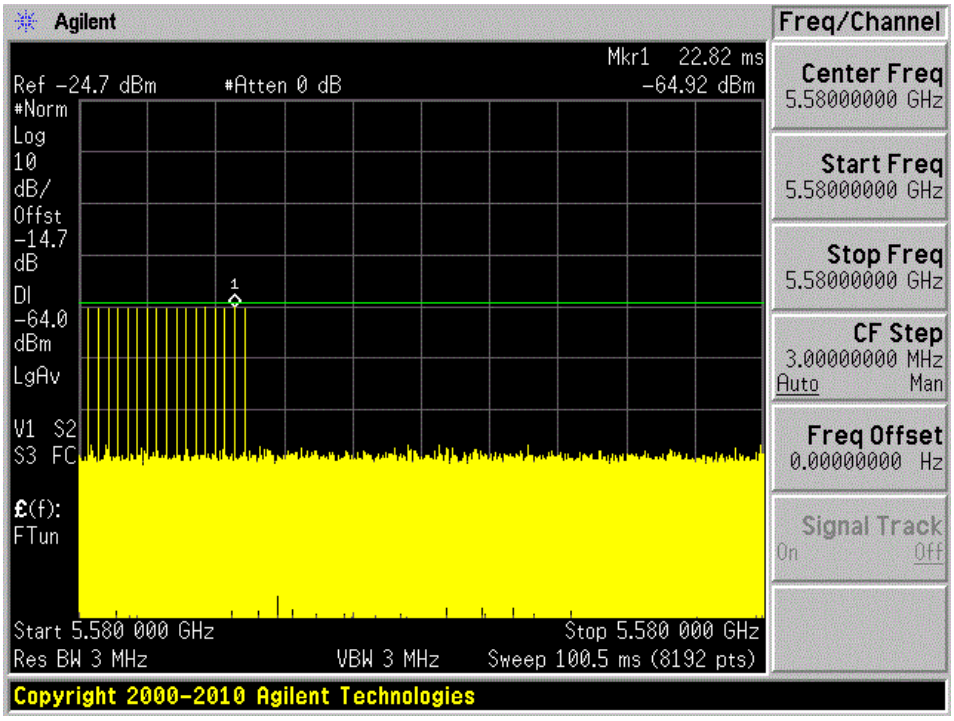


Radar Type 6

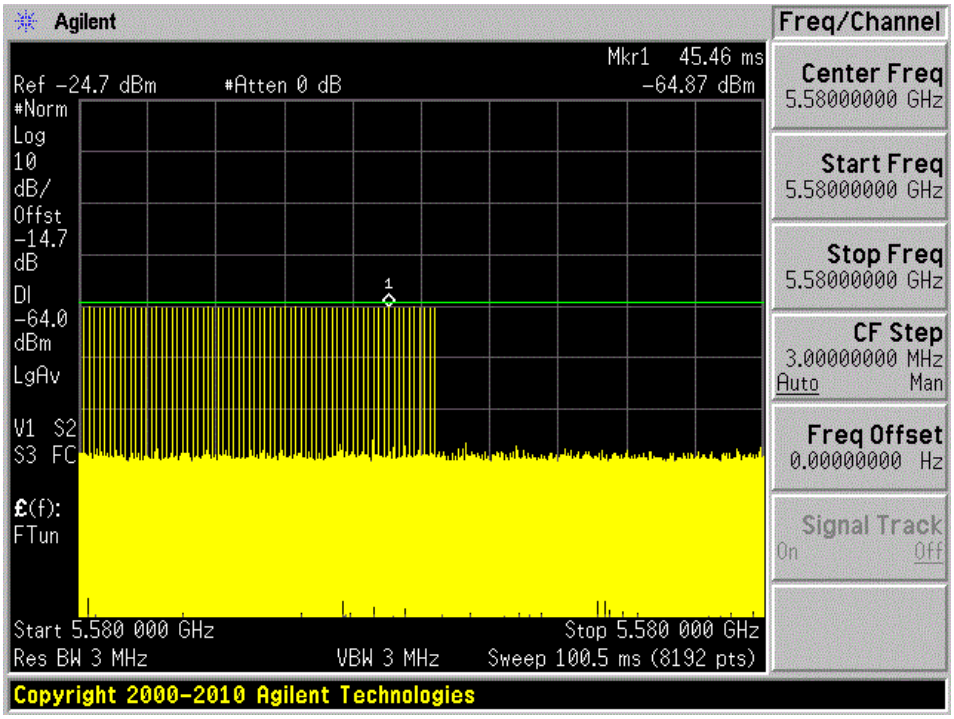


5580 MHz

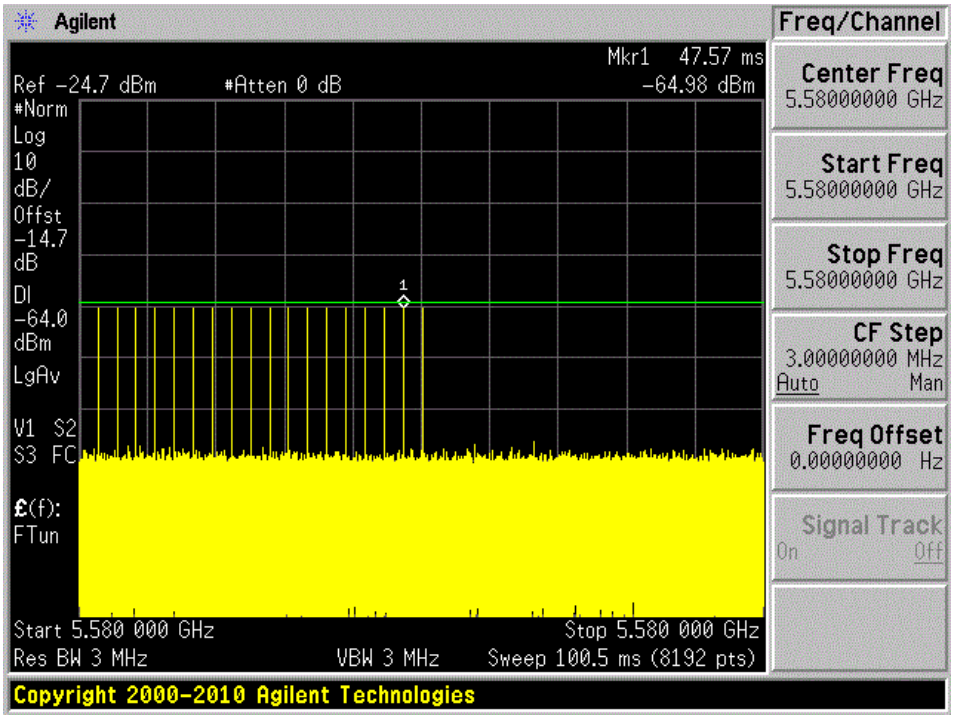
Radar Type 0



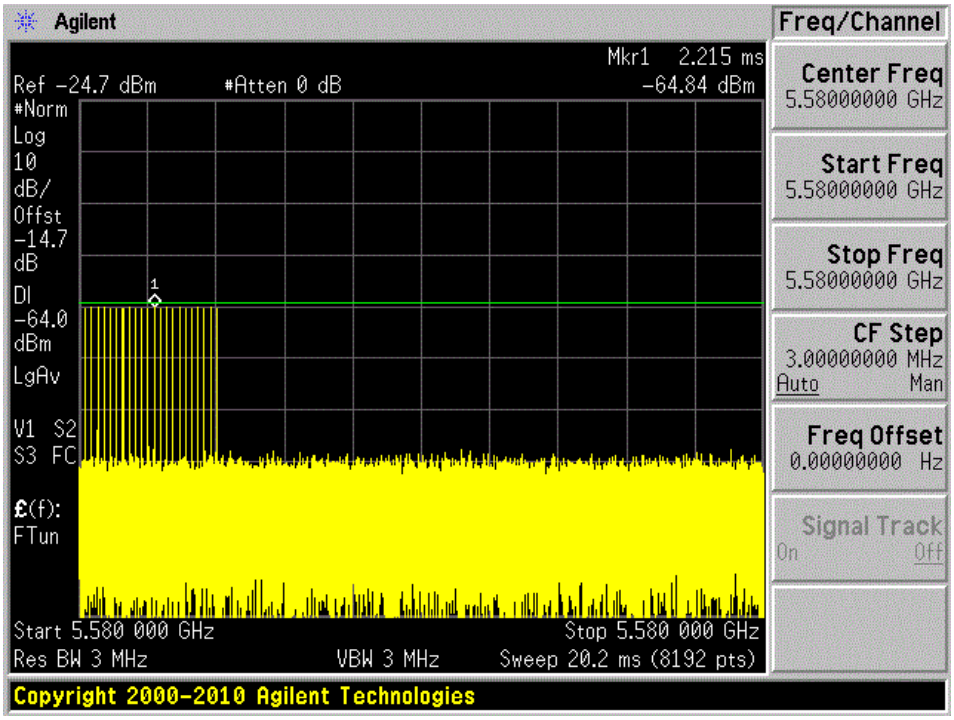
Radar Type 1A



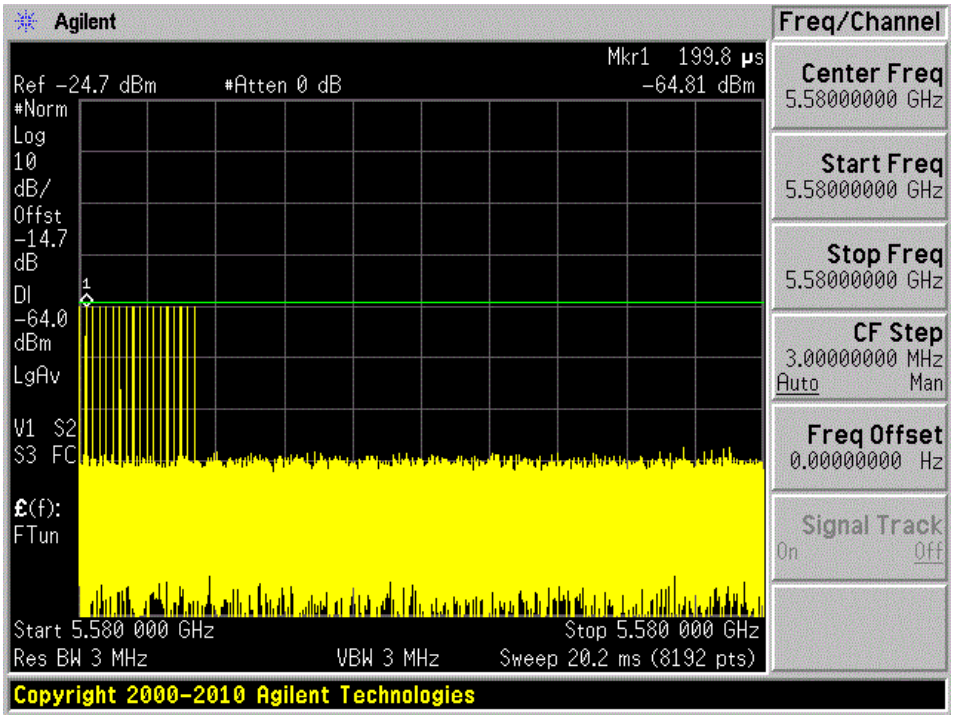
Radar Type 1B



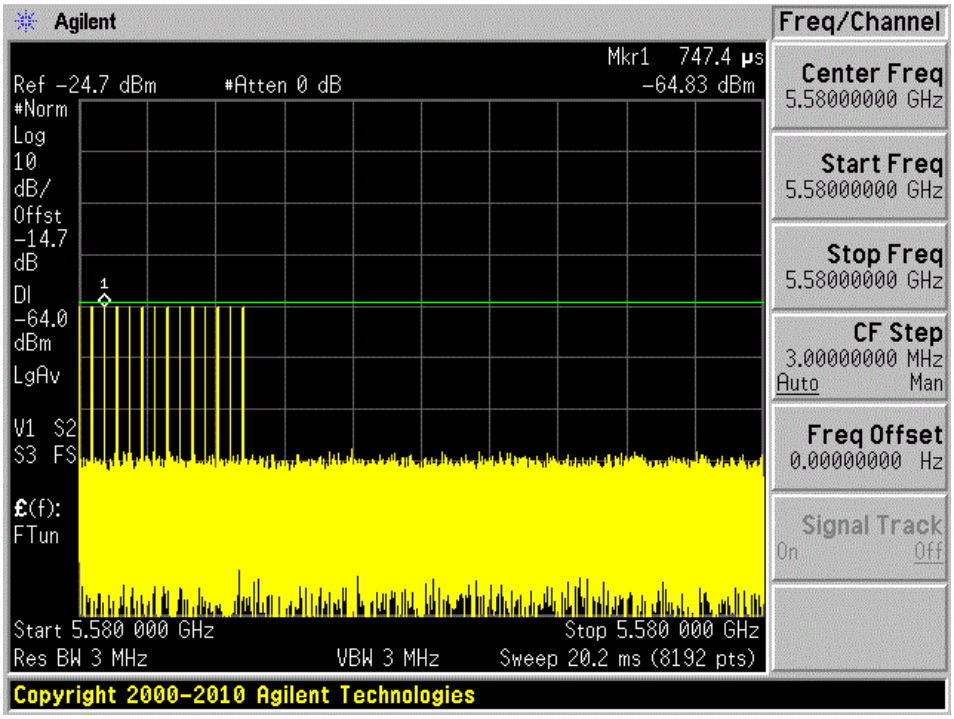
Radar Type 2



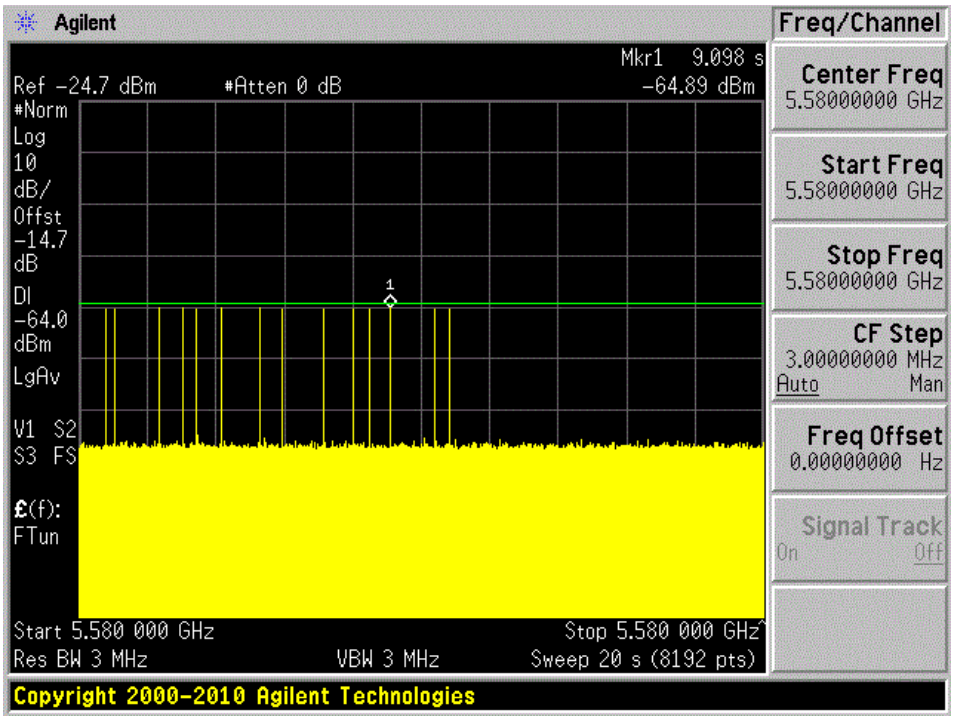
Radar Type 3



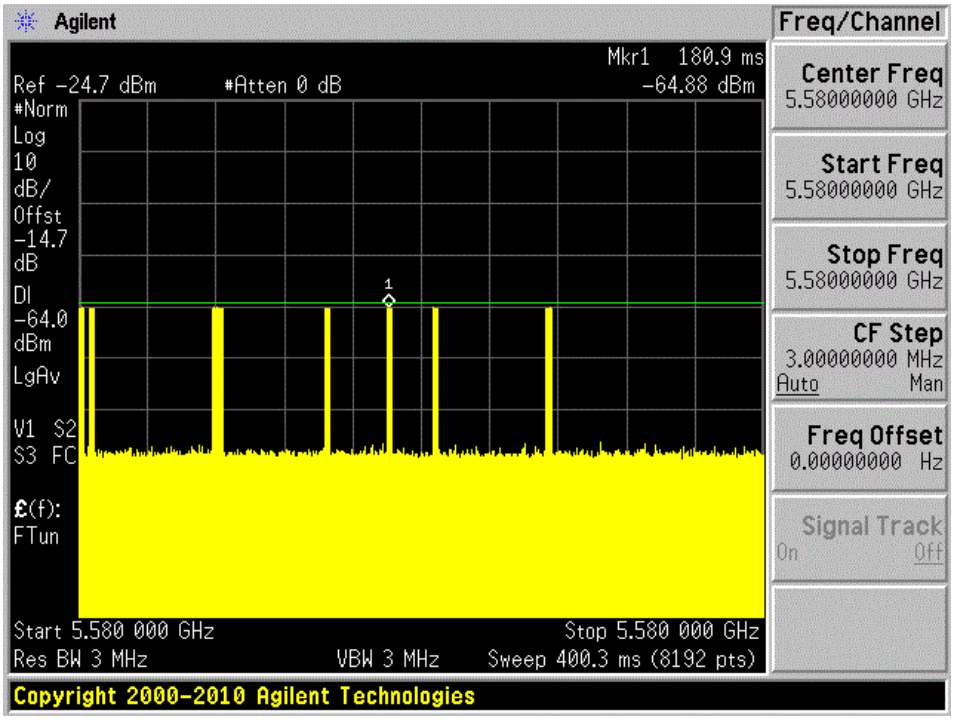
Radar Type 4



Radar Type 5



Radar Type 6



6 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

5290 MHz and 5530 MHz Bandwidth 80 MHz

EUT initial Power-up cycle (Second)
32

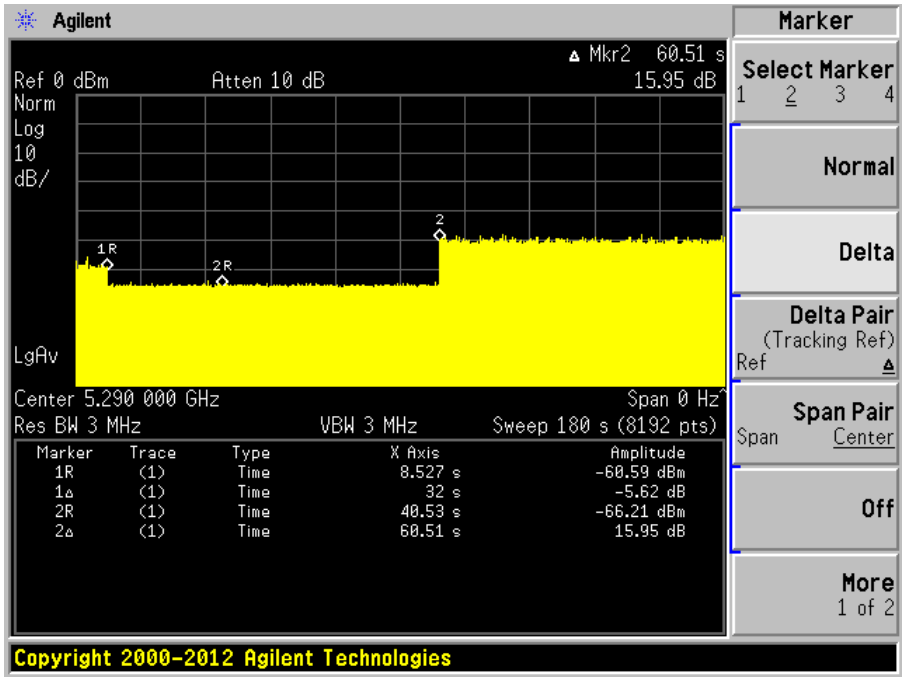
Results:

Timing of Radar Burst	Spectrum Analyzer Display
No Radar Triggered	Transmission begin after power-up cycle +60 seconds CAC
Within 2 seconds of the CAC starting	No transmission
Within the last 2 seconds of the CAC	No transmission

Please refer to the following plots.

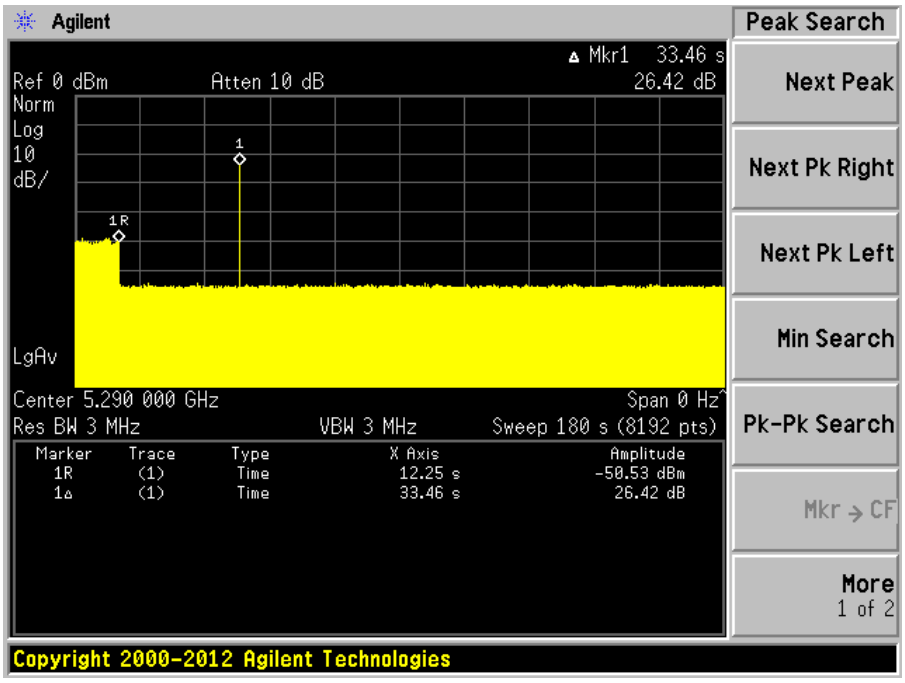
5290 MHz, Bandwidth 80 MHz

Plot of without Radar signal applied



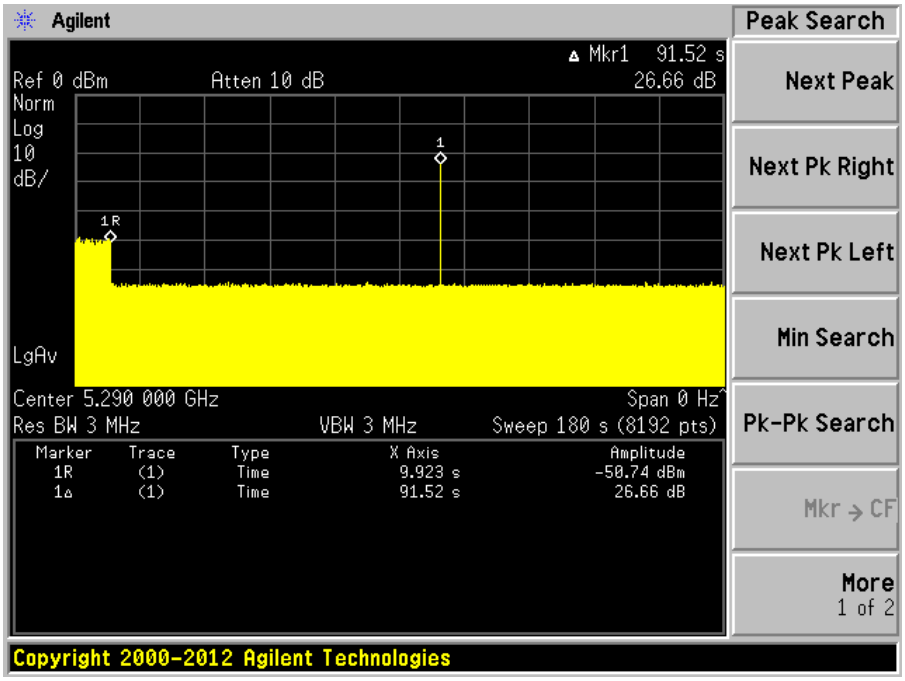
Note: The power-up cycle is 32 seconds.

Plot of Radar signal applied within 2 seconds of start of CAC



No transmissions found after radar signal applied.

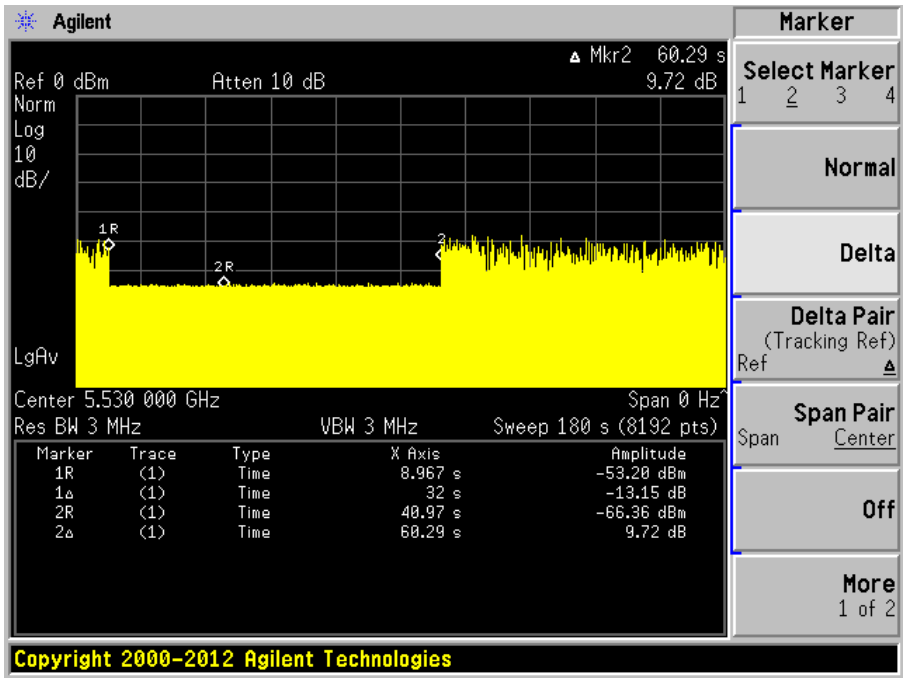
Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

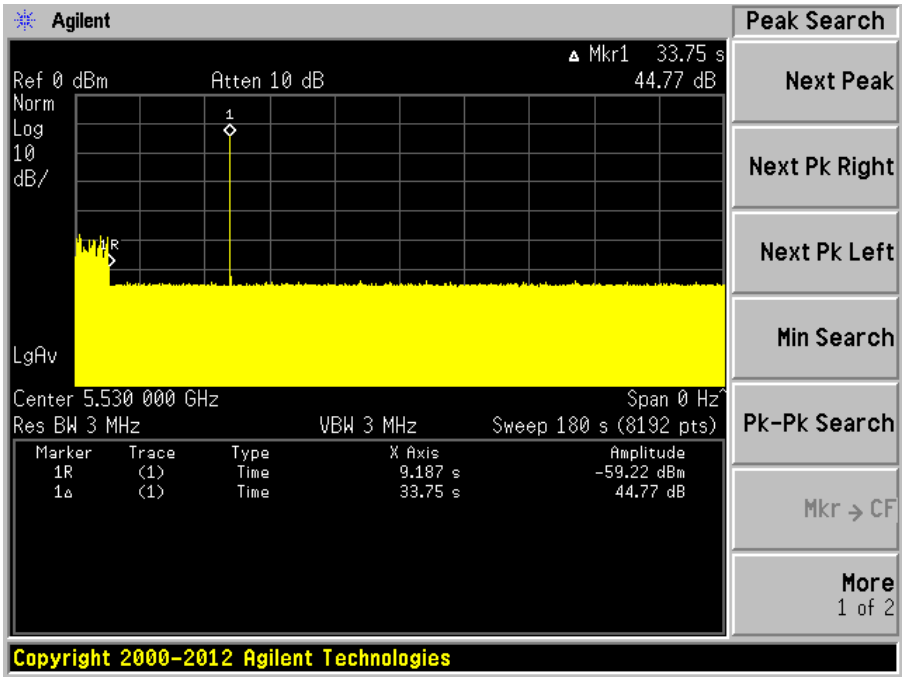
5530 MHz, Bandwidth 80 MHz

Plot of without Radar signal applied



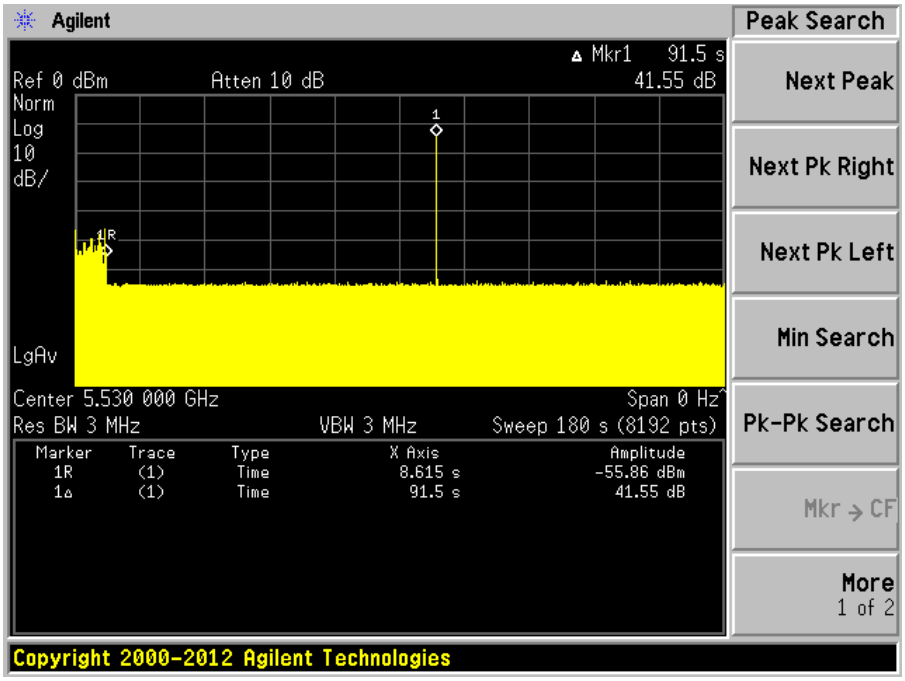
Note: The power-up cycle is 32 seconds.

Plot of Radar signal applied within 2 seconds of start of CAC



No transmissions found after radar signal applied.

Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

Perform the type 0 short pulse radar waveform, 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)

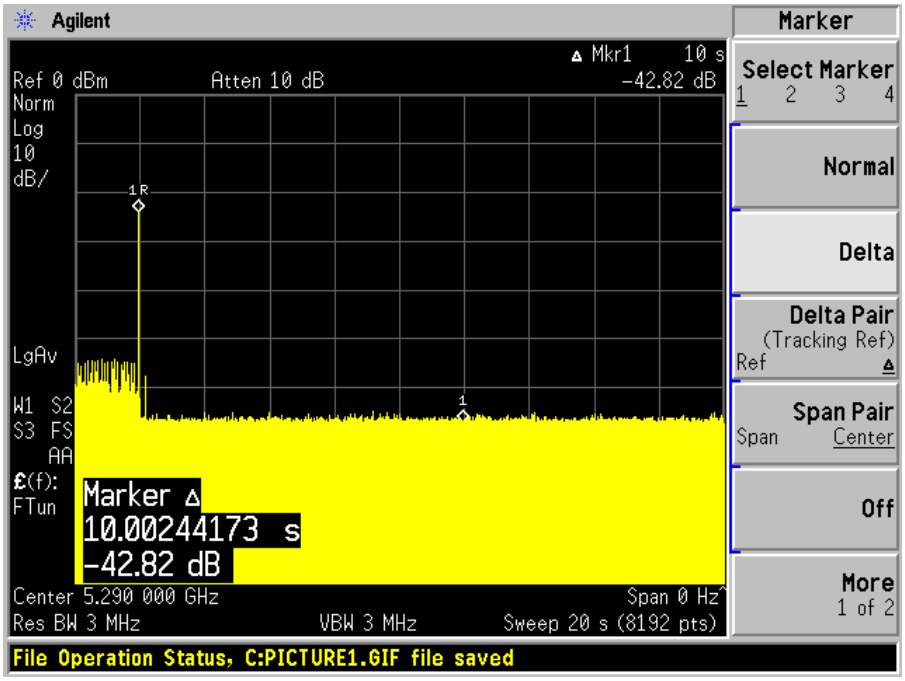
7.2 Test Results

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.

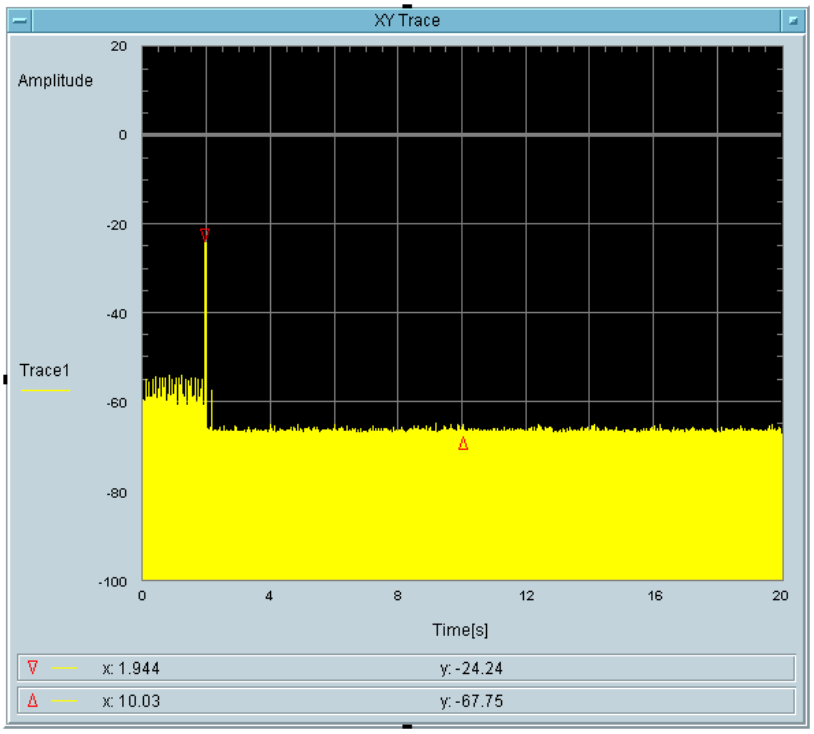
5290 MHz, Bandwidth 80 MHz

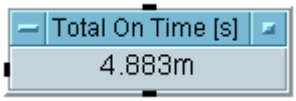
Type 0 radar channel move time result:



Type 0 radar channel closing transmission time result:

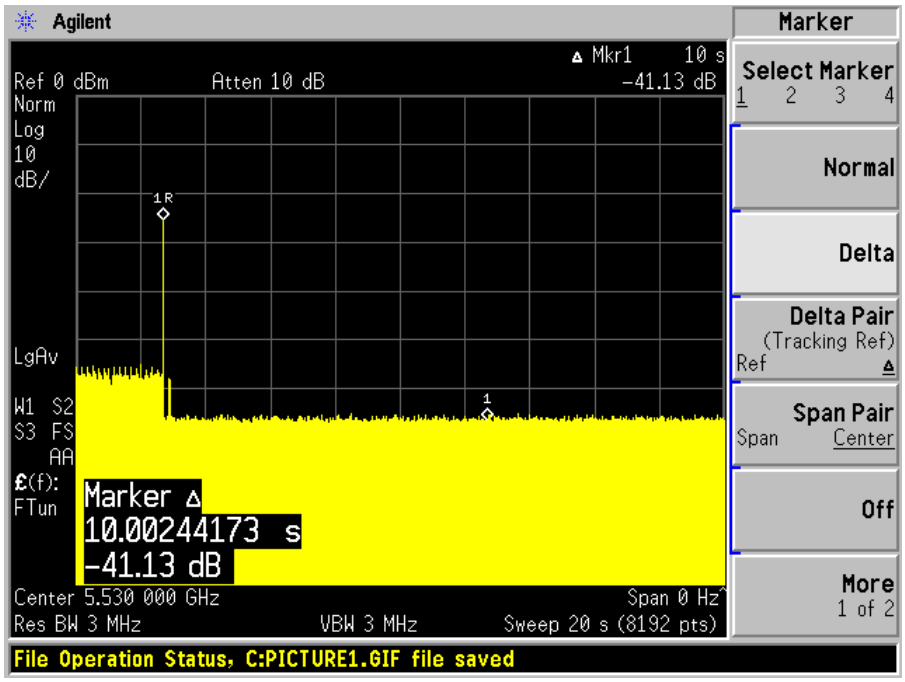
Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
2.441	60	57.559





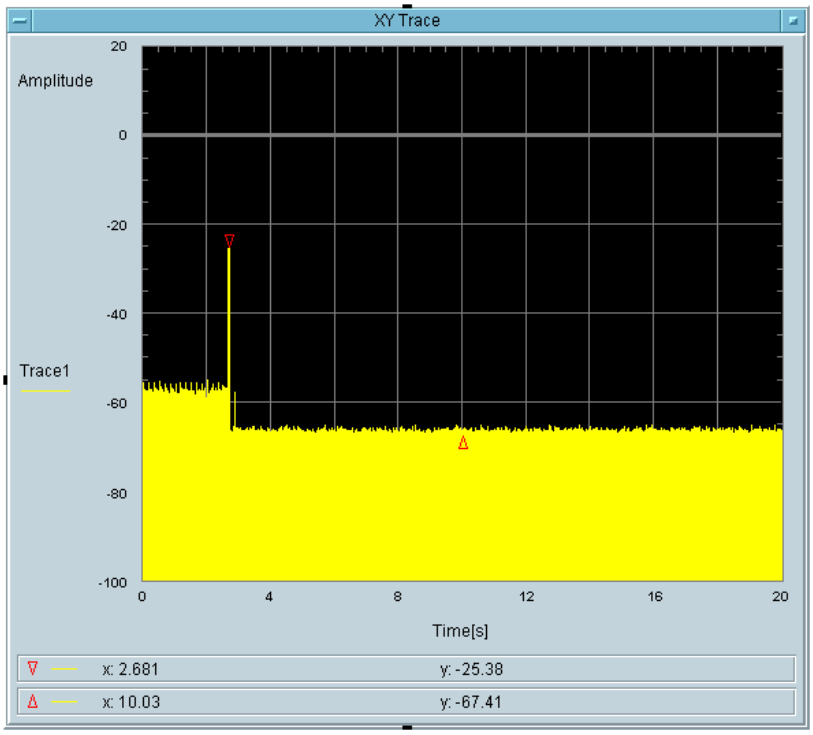
5530 MHz, Bandwidth 80 MHz

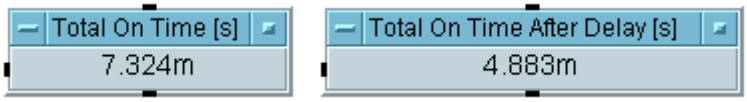
Type 0 radar channel move time result:



Type0 radar channel closing transmission time result:

Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
4.883	60	55.117





8 Non-Occupancy Period

8.1 Test Procedure

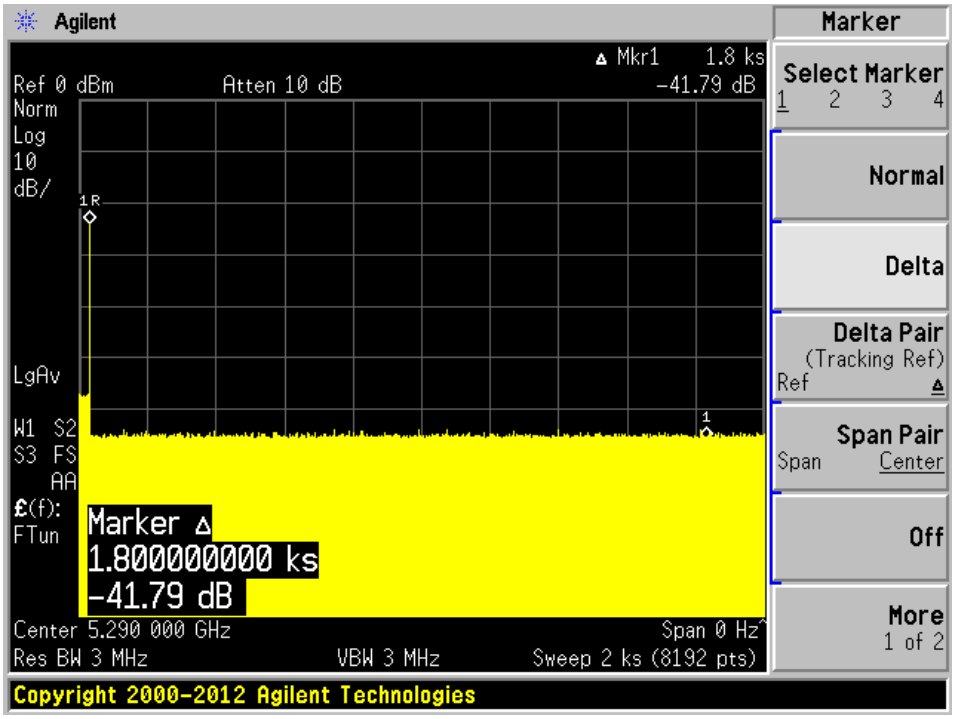
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Test Results

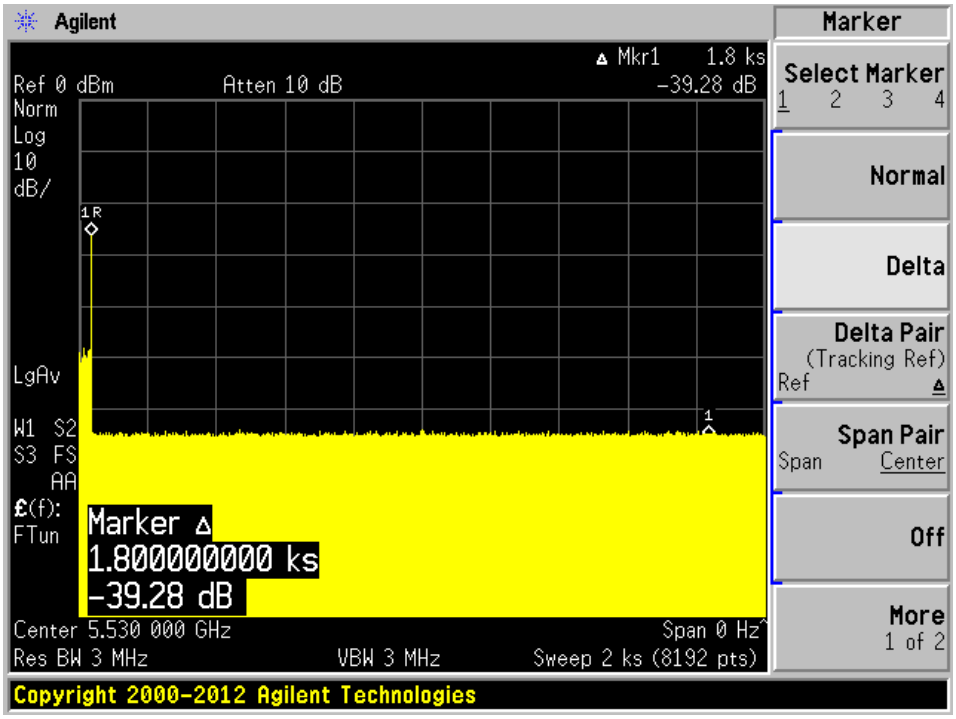
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5290	80	No transmission within 30 minutes
5530	80	No transmission within 30 minutes

Please refer to the following plots.

5290 MHz, Bandwidth 80 MHz



5530 MHz, Bandwidth 80 MHz



9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

Performed with short pulse radar waveforms (type 0)

Start with radar generator frequency set to the center of the channel (Fc)
Perform at least 10 trials and confirm at least 90% detected
Increment radar generator frequency by 5 MHz and repeat
Perform at least 10 trials and confirm at least 90% detected
Continue incrementing the radar frequency until detection rate falls below 90%

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

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

UNII Detection Bandwidth = $F_H - F_L$

Test Results

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5280	5270	5290	20	100%	Compliance
5580	5570	5590	20	100%	Compliance
5270	5251	5289	38	80%	Compliance
5580	5530	5569	39	80%	Compliance
5270	5250	5330	80	80%	Compliance
5550	5490	5470	80	80%	Compliance

For 40 and 80 MHz Bandwidth Data please refer to R1403261 DFS report.

Please refer to the following tables and plots.

Results of Detection Bandwidth:

EUT Frequency = 5280 MHz											
DFS Detection Trials (1 = Detected, Blank = 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 = 17.9704 MHz; 17.9704 x 100% = 17.9704 MHz **Result:** Pass											

EUT Frequency = 5580 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5569	0	0	0	0	0	0	0	0	0	0	0 %
5570(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5591	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5590-5570=20 MHz											
EUT 99% OBW = 17.9832 MHz; 17.9832 x 100% = 17.9832 MHz **Result:** Pass											

EUT Frequency = 5270 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5250	0	0	0	0	0	0	0	0	0	0	00 %
5251(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5252	1	1	1	1	1	1	1	1	1	1	100 %
5254	1	1	1	1	1	1	1	1	1	1	100 %
5256	1	1	1	1	1	1	1	1	1	1	100 %
5258	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5262	1	1	1	1	1	1	1	1	1	1	100 %
5264	1	1	1	1	1	1	1	1	1	1	100 %
5266	1	1	1	1	1	1	1	1	1	1	100 %
5268	1	1	1	1	1	1	1	1	1	1	100 %
5270(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5272	1	1	1	1	1	1	1	1	1	1	100 %
5274	1	1	1	1	1	1	1	1	1	1	100 %
5276	1	1	1	1	1	1	1	1	1	1	100 %
5278	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5282	1	1	1	1	1	1	1	1	1	1	100 %
5284	1	1	1	1	1	1	1	1	1	1	100 %
5286	1	1	1	1	1	1	1	1	1	1	100 %
5288	1	1	1	1	1	1	1	1	1	1	100 %
5289(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5290	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5289-5251=38 MHz											
EUT 99% OBW = 36.5625 MHz; 36.5625 x 80% = 29.25 MHz **Result:** Pass											

EUT Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5529	0	0	0	0	0	0	0	0	0	0	0 %
5530(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5532	1	1	1	1	1	1	1	1	1	1	100 %
5534	1	1	1	1	1	1	1	1	1	1	100 %
5536	1	1	1	1	1	1	1	1	1	1	100 %
5538	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5542	1	1	1	1	1	1	1	1	1	1	100 %
5544	1	1	1	1	1	1	1	1	1	1	100 %
5546	1	1	1	1	1	1	1	1	1	1	100 %
5548	1	1	1	1	1	1	1	1	1	1	100 %
5550 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5552	1	1	1	1	1	1	1	1	1	1	100 %
5554	1	1	1	1	1	1	1	1	1	1	100 %
5556	1	1	1	1	1	1	1	1	1	1	100 %
5558	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5562	1	1	1	1	1	1	1	1	1	1	100 %
5564	1	1	1	1	1	1	1	1	1	1	100 %
5566	1	1	1	1	1	1	1	1	1	1	100 %
5568	1	1	1	1	1	1	1	1	1	1	100 %
5569(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5570	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$ =5569-5530=39 MHz											
EUT 99% OBW = 36.4322 MHz; 36.4322 x 80% = 29.14576 MHz **Result:** Pass											

EUT Frequency = 5290 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5254	1	1	1	1	1	1	1	1	1	1	100 %
5258	1	1	1	1	1	1	1	1	1	1	100 %
5262	1	1	1	1	1	1	1	1	1	1	100 %
5266	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5274	1	1	1	1	1	1	1	1	1	1	100 %
5278	1	1	1	1	1	1	1	1	1	1	100 %
5282	1	1	1	1	1	1	1	1	1	1	100 %
5286	1	1	1	1	1	1	1	1	1	1	100 %
5290(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5294	1	1	1	1	1	1	1	1	1	1	100 %
5298	1	1	1	1	1	1	1	1	1	1	100 %
5302	1	1	1	1	1	1	1	1	1	1	100 %
5306	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5314	1	1	1	1	1	1	1	1	1	1	100 %
5318	1	1	1	1	1	1	1	1	1	1	100 %
5322	1	1	1	1	1	1	1	1	1	1	100 %
5326	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 %
5331	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$ =5330-5250=80 MHz											
EUT 99% OBW = 75.9801 MHz; 75.9801 x 80% = 60.78408 MHz **Result:** Pass											

EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5589	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 %
5494	1	1	1	1	1	1	1	1	1	1	100 %
5498	1	1	1	1	1	1	1	1	1	1	100 %
5502	1	1	1	1	1	1	1	1	1	1	100 %
5506	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5514	1	1	1	1	1	1	1	1	1	1	100 %
5518	1	1	1	1	1	1	1	1	1	1	100 %
5522	1	1	1	1	1	1	1	1	1	1	100 %
5526	1	1	1	1	1	1	1	1	1	1	100 %
5530 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5534	1	1	1	1	1	1	1	1	1	1	100 %
5538	1	1	1	1	1	1	1	1	1	1	100 %
5542	1	1	1	1	1	1	1	1	1	1	100 %
5546	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	0	1	1	1	90 %
5554	1	1	1	1	1	1	1	1	1	1	100 %
5558	1	1	1	1	1	1	1	1	1	1	100 %
5562	1	1	1	1	1	1	1	1	1	1	100 %
5566	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 =75.9790 MHz; 75.9790 x 80% = 60.7832 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:

For 40 MHz and 80 MHz Bandwidth Data please refer to R1403261 DFS test report.

5280 MHz, 20 MHz Bandwidth

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

Please refer to the following statistical tables:

5280 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	99	1	538	1
2	5280	102	1	518	1
3	5280	89	1	598	1
4	5280	61	1	878	1
5	5280	67	1	798	1
6	5280	70	1	758	1
7	5280	78	1	678	1
8	5280	95	1	558	1
9	5280	83	1	638	1
10	5280	57	1	938	1
11	5280	68	1	778	1
12	5280	62	1	858	1
13	5280	81	1	658	1
14	5280	72	1	738	1
15	5280	63	1	838	1
16	5280	42	1	1270	1
17	5280	36	1	1471	1
18	5280	72	1	741	1
19	5280	22	1	2420	1
20	5280	30	1	1787	1
21	5280	44	1	1201	1
22	5280	34	1	1571	1
23	5280	49	1	1083	1
24	5280	24	1	2204	1
25	5280	34	1	1556	1
26	5280	97	1	548	1
27	5280	44	1	1209	1
28	5280	23	1	2342	1
29	5280	30	1	1788	1
30	5280	47	1	1130	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	27	4.9	197	1
2	5280	28	3.7	180	1
3	5280	27	4.8	190	1
4	5280	24	2.3	176	1
5	5280	24	1.1	184	1
6	5280	28	4.1	156	1
7	5280	26	2.1	170	1
8	5280	25	4.3	165	1
9	5280	24	2	215	1
10	5280	27	1.7	180	1
11	5280	24	5	227	1
12	5280	26	2.7	217	1
13	5280	24	3.7	205	1
14	5280	28	1.1	163	1
15	5280	26	1.7	181	1
16	5280	28	3.6	182	1
17	5280	28	3.6	208	1
18	5280	26	4.6	169	1
19	5280	24	3.6	204	1
20	5280	24	4.4	171	1
21	5280	29	4.7	223	1
22	5280	24	1.9	154	1
23	5280	24	1.3	174	1
24	5280	26	2.6	197	1
25	5280	23	4.9	162	1
26	5280	26	2.3	204	1
27	5280	27	1.1	158	1
28	5280	25	2.8	175	1
29	5280	24	4	201	1
30	5280	26	3.5	219	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	18	6.3	300	1
2	5280	18	6.5	366	1
3	5280	18	6.9	489	1
4	5280	16	8.5	263	1
5	5280	17	9.5	392	1
6	5280	16	7.5	320	1
7	5280	17	7.2	474	1
8	5280	16	6.5	219	1
9	5280	16	7.1	383	1
10	5280	16	9	364	1
11	5280	17	9.2	279	1
12	5280	18	9.3	351	1
13	5280	16	6.8	297	1
14	5280	16	8.3	459	1
15	5280	16	6.1	471	1
16	5280	17	8.4	266	1
17	5280	16	6.4	467	1
18	5280	18	6.3	403	1
19	5280	18	8.1	255	1
20	5280	18	6.2	379	1
21	5280	16	9.4	219	1
22	5280	18	9.2	217	1
23	5280	16	9.2	388	1
24	5280	18	6.1	423	1
25	5280	16	7.2	366	1
26	5280	17	8.1	333	1
27	5280	17	6.6	329	1
28	5280	18	6.5	453	1
29	5280	17	7.5	454	1
30	5280	16	6.3	341	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	12	11.6	374	1
2	5280	14	15.5	269	1
3	5280	16	19.8	477	1
4	5280	15	18.7	219	1
5	5280	15	12.4	363	1
6	5280	15	16.7	336	1
7	5280	14	13	393	1
8	5280	15	11.1	455	1
9	5280	16	12.2	252	1
10	5280	16	16.4	439	1
11	5280	12	19.7	404	1
12	5280	15	14.2	315	1
13	5280	15	19.1	289	1
14	5280	15	17.1	417	1
15	5280	16	13.5	291	1
16	5280	14	11.5	435	1
17	5280	12	13.1	354	1
18	5280	14	17.6	326	1
19	5280	13	16.1	473	1
20	5280	13	16.9	329	1
21	5280	14	11.1	473	1
22	5280	16	13.8	368	1
23	5280	14	12.5	422	1
24	5280	16	20	436	1
25	5280	13	13.8	384	1
26	5280	12	16.6	406	1
27	5280	16	19.6	457	1
28	5280	12	19.2	361	1
29	5280	14	19.8	369	1
30	5280	13	18.3	365	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

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	17	67	1549		0.5342	1
1	2	9	87.9	1722		1.789339	
2	1	16	96.9			2.450786	
3	1	14	55.2			2.990314	
4	3	13	71.6	1500	1942	4.435589	
5	2	19	59.7	1727		5.420277	
6	3	16	65.5	1481	1760	6.285847	
7	2	14	60.2	1039		6.798497	
8	2	9	90.7	1942		8.027414	
9	3	15	53.5	1865	1558	8.543605	
10	1	19	67.4			9.914315	
11	2	11	74	1354		10.283373	
12	2	16	57.3	1845		11.823354	

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	76.3	1713		0.080881	1
1	3	19	79.4	1900	1254	1.121164	
2	3	13	99.3	1697	1752	2.303923	
3	3	6	76.9	1479	1037	2.881042	
4	2	8	91.6	1056		3.339254	
5	1	9	94.9			4.139325	
6	3	16	98.3	1571	1569	4.984997	
7	3	13	65.3	1184	1920	5.684696	
8	2	10	89.7	1187		6.495796	
9	3	8	54.2	1195	1789	7.484469	
10	3	13	99.8	1468	1315	8.323636	
11	2	15	93.4	1917		9.088956	
12	3	19	81.8	1602	1989	10.261895	
13	3	19	51.5	1778	1544	10.470549	
14	2	12	79	1270		11.210704	

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	91			0.228296	
1	2	10	98.2	1461		0.894179	
2	2	16	80.9	1088		1.770157	
3	1	9	59.8			2.553773	
4	2	8	97.7	1032		3.248964	
5	2	14	71.4	1470		4.353079	
6	2	7	88.1	1999		5.278723	
7	1	8	63.5			5.832892	1
8	2	13	55.3	1167		6.596702	
9	2	5	67.2	1393		7.598757	
10	2	8	71	1335		8.039847	
11	1	18	69.9			9.436675	
12	2	6	75.6	1138		9.676948	
13	2	5	56.6	1169		10.896925	
14	3	18	56.1	1424	1668	11.609418	

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	20	76.9			0.537801	
1	3	20	97.4	1189	1129	1.153802	
2	2	15	84	1810		1.945358	
3	2	15	91.7	1138		2.799039	
4	2	9	86.5	1098		3.789529	
5	2	16	91.3	1056		4.148271	
6	2	7	65	1904		5.488941	
7	3	17	96.2	1338	1369	6.131522	1
8	3	5	82.8	1640	1390	7.189361	
9	3	11	74.7	1935	1788	7.884549	
10	2	14	81.9	1131		8.583633	
11	2	12	65.5	1929		9.204488	
12	2	19	94.8	1523		9.88369	
13	2	14	64.6	1931		10.461961	
14	2	10	97.9	1885		11.913159	

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	12	68.2			0.672232	1
1	2	11	87.2	1818		1.128002	
2	3	6	86.3	1074	1539	2.093254	
3	1	11	96.7			2.816183	
4	2	7	83.6	1720		3.646836	
5	2	12	69.8	1705		3.894461	
6	2	12	73	1904		5.038554	
7	2	11	90	1861		5.968508	
8	2	12	89	1004		6.575798	
9	2	11	80.4	1480		7.036236	
10	3	11	57.6	1102	1936	8.223335	
11	1	7	71			8.442009	
12	3	9	97.3	1782	1917	9.640195	
13	1	7	72.2			10.334707	
14	1	7	91.4			10.912999	
15	2	9	66.2	1159		11.602367	

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	17	91.4			0.422763	1
1	1	19	75.7			1.113406	
2	2	6	68.1	1602		2.741162	
3	2	19	69	1852		2.810378	
4	2	7	93.4	1577		4.418851	
5	1	19	57.3			5.05863	
6	1	7	50.5			6.445798	
7	2	6	84	1978		7.120195	
8	3	12	79.9	1776	1296	7.499029	
9	3	15	76	1202	1339	8.711398	
10	1	15	72.2			9.8281	
11	2	19	54.8	1884		10.429374	
12	2	10	64	1205		11.890153	

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	20	92.8			0.649926	1
1	2	8	62.9	1992		1.695271	
2	3	18	65.1	1494	1149	2.920574	
3	3	18	77.7	1143	1099	3.901755	
4	1	11	83.1			5.352897	
5	1	13	98.8			5.66401	
6	2	5	51.8	1561		7.477531	
7	2	13	57	1782		7.790489	
8	1	13	53.6			9.667317	
9	1	5	50.2			10.349121	
10	1	12	62.2			11.786584	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	54.3	1979		0.682796	1
1	3	5	59.7	1722	1853	2.355175	
2	1	8	91.9			3.568811	
3	2	19	57.3	1871		4.745411	
4	3	9	79.1	1570	1770	5.553352	
5	2	12	80.8	1581		6.241318	
6	1	19	93.8			7.347961	
7	1	19	86.3			8.780336	
8	3	14	90.2	1132	1445	9.660026	
9	3	12	54.7	1371	1636	11.628162	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	93.2			0.098238	1
1	1	20	75.9			1.86466	
2	2	13	72.2	1948		3.864738	
3	3	17	91.8	1014	1493	4.51844	
4	1	16	58.2			5.659544	
5	2	12	98.1	1912		7.375419	
6	1	17	81.2			8.838616	
7	2	9	78.1	1062		9.869176	
8	2	15	84.1	1710		11.377895	

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	13	63.5	1223	1898	0.418329	1
1	2	18	56.8	1011		1.862151	
2	1	18	85.3			3.345189	
3	2	13	85.3	1814		4.912889	
4	3	12	94.8	1823	1441	6.01698	
5	3	16	85.2	1631	1773	7.551808	
6	2	9	74.9	1461		9.431151	
7	2	10	99.3	1085		11.529449	

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	57.5	1954		0.400062	1
1	3	18	98.4	1264	1286	1.024184	
2	1	12	51.8			1.451707	
3	2	9	70.6	1530		2.015776	
4	2	19	73.5	1945		2.903598	
5	1	19	75.2			3.495252	
6	2	15	97.7	1985		4.524157	
7	3	5	69.8	1182	1149	4.891415	
8	2	13	61.3	1343		5.868551	
9	2	17	78.4	1869		6.267485	
10	2	6	61	1406		7.321038	
11	2	5	74.6	1863		7.611334	
12	1	10	80.2			8.20574	
13	3	12	80.8	1778	1763	8.872781	
14	2	17	66.9	1811		9.50548	
15	2	9	84	1859		10.341903	
16	3	14	60.6	1547	1797	11.292657	
17	2	19	95.8	1960		11.740542	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	79.5	1739		0.144531	
1	3	12	81.3	1029	1320	0.705105	
2	2	6	74.4	1493		1.509641	
3	2	14	64	1577		2.048838	
4	2	10	53.2	1857		2.737024	
5	2	12	87.2	1573		3.564446	
6	1	17	78.4			4.355926	
7	2	16	85.1	1370		4.780064	
8	2	13	91.2	1761		5.558288	
9	3	12	63.5	1603	1706	5.962339	1
10	3	7	64.9	1599	1615	6.488115	
11	2	11	91.6	1109		7.38561	
12	2	8	62.3	1445		7.921953	
13	1	13	50.3			8.631712	
14	2	13	74.5	1928		9.068707	
15	1	8	84.4			9.929329	
16	2	9	92.4	1143		10.698201	
17	2	9	97.1	1868		10.767313	
18	2	20	77.8	1717		11.475742	

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	6	90.3	1988		0.532809	
1	2	16	78	1095		1.617151	
2	3	12	76.4	1871	1327	1.994101	
3	1	17	57.9			2.713307	
4	2	7	88.9	1045		4.052981	
5	2	18	81.9	1124		4.768219	
6	1	15	52.3			5.370434	
7	2	16	66.8	1493		6.506824	1
8	2	10	73.2	1664		7.033324	
9	1	15	66.2			8.081152	
10	2	17	72.1	1751		8.582473	
11	2	8	89.9	1507		9.965656	
12	2	18	81.2	1248		11.056686	
13	1	14	85			11.840699	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	72.6	1543	1459	0.095111	1
1	3	7	71.4	1558	1677	1.415135	
2	2	13	55.6	1174		2.356981	
3	2	17	74.3	1141		3.181387	
4	2	18	82.8	1961		3.964193	
5	3	12	60.6	1371	1414	4.313824	
6	3	15	74.4	1320	1982	5.740571	
7	2	7	88.1	1295		6.269778	
8	3	9	90.8	1407	1979	7.270326	
9	2	9	73.5	1639		8.015146	
10	2	14	95	1981		9.101143	
11	3	13	77.8	1388	1806	10.226585	
12	2	20	84.8	1675		10.595313	
13	2	9	83.4	1967		11.436319	

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	6	81.3	1620		0.433756	1
1	1	10	92.2			1.15399	
2	2	6	66.2	1094		2.653559	
3	1	15	76.8			2.989052	
4	3	8	53.2	1329	1087	4.194647	
5	3	15	61.5	1531	1199	4.772163	
6	1	8	88.1			5.845149	
7	1	12	94.3			7.190665	
8	2	16	68.4	1344		8.273208	
9	2	12	73.6	1453		9.025912	
10	3	18	60.1	1569	1784	9.668685	
11	2	18	59.4	1656		10.850998	
12	2	6	63.3	1155		11.637462	

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	14	87.7	1182		0.324662	
1	3	15	97	1501	1228	1.842305	
2	3	9	84.3	1455	1575	3.905197	
3	1	19	92.9			5.052963	
4	2	15	63.8	1899		6.564599	1
5	3	9	60.4	1069	1400	7.777666	
6	3	8	50.9	1895	1469	8.505356	
7	2	14	91.6	1496		9.55332	
8	2	17	98.3	1238		11.296777	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	86.2			0.461107	
1	2	11	88.1	1192		1.285923	
2	2	12	55.6	1776		1.6219	
3	1	11	69.8			2.124902	
4	3	15	63.3	1481	1358	2.766025	
5	2	17	83.1	1229		3.943415	
6	2	7	72.5	1663		4.492655	
7	2	9	67.6	1802		5.252833	
8	2	14	57	1715		5.973195	
9	2	11	67.4	1465		6.075296	1
10	2	13	52.7	1541		7.282073	
11	1	19	76.5			7.647752	
12	1	15	63.1			8.458956	
13	3	12	85.1	1037	1863	9.094935	
14	3	11	61.6	1192	1162	9.611761	
15	1	14	61.3			10.536386	
16	2	19	55.7	1770		11.019419	
17	3	15	91.3	1984	1111	11.79153	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	70.1	1649	1754	0.338676	
1	3	9	69.8	1397	1484	2.243782	
2	3	8	57.5	1963	1935	3.02309	
3	3	7	65.1	1738	1699	4.193864	
4	2	9	94.5	1547		6.273883	1
5	2	13	63.1	1566		6.795227	
6	2	12	92.8	1958		8.776711	
7	3	5	51.7	1616	1503	10.349414	
8	3	14	97.2	1797	1307	11.55209	

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	10	84	1473		0.114719	
1	2	13	77.4	1470		1.1041	
2	3	12	57.4	1218	1310	1.369744	
3	3	13	67.2	1166	1202	1.879286	
4	3	18	81.3	1438	1439	2.654172	
5	3	9	75.3	1240	1432	3.128823	
6	3	6	57.9	1291	1607	3.759116	
7	1	20	82.2			4.691834	
8	1	15	79.1			4.884942	
9	2	10	57.1	1690		5.839964	1
10	1	13	74.8			6.530057	
11	3	18	87.6	1953	1731	7.148138	
12	2	18	55.6	1333		7.716789	
13	1	10	98.2			7.822415	
14	2	8	50.5	1212		8.859771	
15	1	9	77.2			9.293838	
16	3	9	92.8	1840	1414	9.66798	
17	3	13	54	1510	1685	10.320857	
18	3	19	61.8	1361	1117	10.867088	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	59.9			0.216211	1
1	2	19	85.4	1822		1.422087	
2	2	7	95	1237		1.775458	
3	2	16	99.7	1460		2.400282	
4	2	11	79.5	1927		3.107366	
5	2	5	71.4	1561		4.178474	
6	3	8	70.8	1845	1276	4.659024	
7	1	13	60.3			5.456622	
8	1	6	70.6			6.116921	
9	2	14	59.2	1916		7.042259	
10	2	13	80.3	1455		7.81293	
11	1	6	70.2			8.4007	
12	1	15	66.9			9.427808	
13	2	12	94.5	1591		10.003334	
14	2	5	70	1134		10.540691	
15	1	12	68.7			11.944221	

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	15	51.2			0.27333	1
1	3	6	59.7	1597	1735	1.152159	
2	3	10	94.1	1288	1202	1.70755	
3	3	15	91.8	1034	1265	2.510507	
4	2	17	99.6	1272		3.391183	
5	2	8	96	1535		4.412707	
6	2	19	75.1	1199		4.756777	
7	2	9	90.4	1766		5.31784	
8	2	6	89.5	1397		6.10781	
9	1	7	68.5			7.445051	
10	2	9	50.9	1038		7.85034	
11	3	8	71.7	1134	1110	8.492492	
12	1	6	82.9			9.472351	
13	2	14	98.8	1501		10.352983	
14	2	17	96.6	1230		10.535681	
15	1	9	65.9			11.91411	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	70.2			1.113178	1
1	3	17	81.6	1975	1428	1.609788	
2	2	20	67.3	1140		2.441827	
3	2	13	72.5	1727		3.957489	
4	2	18	71	1355		5.004137	
5	2	19	59.1	1368		6.77248	
6	3	9	93.3	1508	1064	7.870319	
7	2	6	85.9	1696		8.700149	
8	2	13	63.9	1182		9.826023	
9	3	6	92.6	1584	1284	11.275609	

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	6	93.6			1.240198	1
1	1	5	67.7			2.148489	
2	2	15	82.3	1560		3.269364	
3	2	12	97.8	1170		4.143335	
4	1	9	76.4			5.782401	
5	2	20	74.1	1715		7.64122	
6	1	8	62.2			8.713405	
7	2	19	97.6	1221		10.447079	
8	1	9	99.7			11.177868	

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	10	80.9	1060		0.654823	1
1	1	11	89.4			1.257367	
2	2	13	81.7	1863		2.212653	
3	2	18	97	1311		3.273661	
4	1	16	73.5			3.558737	
5	3	6	61.8	1960	1080	4.638644	
6	2	14	72.9	1664		5.222985	
7	3	19	58.7	1121	1754	6.360507	
8	2	19	59.2	1009		7.56124	
9	1	5	95.9			8.064821	
10	2	17	82.2	1173		9.247015	
11	2	12	64	1541		9.854502	
12	2	6	90.8	1541		11.018849	
13	1	12	55.8			11.699757	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	88	1537		0.192244	1
1	2	19	56.1	1579		0.976427	
2	3	14	82.2	1526	1612	1.935788	
3	2	10	82.4	1596		2.303583	
4	1	9	51.1			3.468803	
5	1	14	74			4.362585	
6	2	7	76.5	1570		4.670489	
7	3	10	76.8	1086	1728	5.752569	
8	2	16	82.1	1422		6.193453	
9	3	13	99.2	1422	1915	7.1739	
10	2	15	66.4	1680		7.851028	
11	1	10	70.3			8.44837	
12	2	8	91.8	1157		9.030149	
13	3	13	61.3	1373	1194	10.342039	
14	2	8	52.9	1126		11.170627	
15	1	14	84.2			11.570618	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	63.8	1625		0.298187	1
1	2	12	85.9	1029		0.887659	
2	3	13	61.7	1724	1350	1.737155	
3	1	18	94.2			2.85599	
4	2	11	52.5	1246		3.544976	
5	2	6	74.7	1046		4.09741	
6	3	5	80.6	1153	1234	4.934746	
7	3	18	76.3	1576	1659	5.261132	
8	2	20	71.2	1036		6.078443	
9	2	19	84.4	1298		7.322789	
10	1	12	63.3			7.968154	
11	3	9	63.7	1608	1259	8.426372	
12	2	19	79.3	1296		9.374355	
13	2	17	91.3	1498		9.810635	
14	3	9	57.1	1206	1329	10.910919	
15	3	20	79.5	1861	1225	11.628462	

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	97.3			0.397403	1
1	3	6	62.9	1999	1059	1.1451	
2	2	10	83.7	1723		2.141288	
3	3	6	86.4	1911	1993	2.484363	
4	1	9	69			3.4319	
5	3	18	78.6	1395	1421	4.16042	
6	2	7	82.4	1450		5.451076	
7	3	20	94.2	1354	1560	6.255141	
8	2	17	79	1887		7.057176	
9	1	20	53.7			7.407516	
10	1	17	74.6			8.358899	
11	2	6	96.5	1952		9.132694	
12	1	16	89.6			10.175909	
13	2	19	66.6	1751		11.161954	

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	15	83.4	1991		0.741738	
1	2	11	96.3	1912		1.551291	
2	1	7	84.5			2.104889	
3	3	16	88.8	1198	1739	2.625553	
4	2	19	96.7	1747		3.568879	
5	1	19	65.6			4.720071	
6	2	11	99.5	1265		5.410469	
7	3	7	71.7	1205	1706	6.205878	1
8	2	11	73.1	1168		6.738023	
9	3	20	62.6	1127	1059	7.481484	
10	2	6	57.3	1235		8.423275	
11	2	6	96.7	1806		9.391336	
12	2	18	67.9	1382		9.937878	
13	1	7	62.5			10.490814	
14	2	14	57.3	1898		11.614347	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	51.2			0.497186	
1	2	7	69.2	1846		1.566024	
2	1	9	75.1			2.75455	
3	2	7	81	1292		3.737605	
4	2	19	51.4	1535		4.061545	
5	3	17	99.9	1525	1259	5.056321	
6	1	17	57.5			6.139793	1
7	2	17	63.4	1269		7.242445	
8	2	18	54.4	1006		8.063317	
9	1	7	96.1			9.510542	
10	1	20	97.4			10.232193	
11	1	7	95.2			11.258677	

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	14	89.2			0.645694	1
1	3	15	64.6	1087	1736	2.086309	
2	3	7	57.9	1159	1614	4.106935	
3	2	18	84.9	1924		4.605266	
4	2	6	66.6	1459		7.34621	
5	1	10	88.2			7.865308	
6	2	8	53.8	1922		10.490317	
7	2	15	67.8	1238		10.577863	

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	5642.0, 5688.0, 5322.0, 5340.0, 5656.0, 5415.0, 5486.0, 5554.0, 5585.0, 5641.0, 5684.0, 5502.0, 5638.0, 5643.0, 5349.0, 5411.0, 5680.0, 5601.0, 5278.0, 5550.0, 5450.0, 5523.0, 5682.0, 5603.0, 5380.0, 5501.0, 5467.0, 5399.0, 5311.0, 5265.0, 5503.0, 5389.0, 5611.0, 5594.0, 5325.0, 5439.0, 5697.0, 5406.0, 5706.0, 5710.0, 5496.0, 5525.0, 5720.0, 5624.0, 5515.0, 5559.0, 5598.0, 5475.0, 5465.0, 5605.0, 5251.0, 5262.0, 5341.0, 5386.0, 5662.0, 5504.0, 5648.0, 5619.0, 5544.0, 5623.0, 5659.0, 5691.0, 5269.0, 5490.0, 5268.0, 5489.0, 5518.0, 5342.0, 5397.0, 5500.0, 5533.0, 5388.0, 5412.0, 5705.0, 5298.0, 5445.0, 5627.0, 5592.0, 5507.0, 5476.0, 5676.0, 5435.0, 5499.0, 5595.0, 5369.0, 5344.0, 5471.0, 5361.0, 5457.0, 5288.0, 5551.0, 5535.0, 5618.0, 5668.0, 5443.0, 5716.0, 5568.0, 5472.0, 5658.0, 5508.0 (number of hits: 2)
2	5280	9	1	333	1	5292.0, 5475.0, 5421.0, 5556.0, 5438.0, 5635.0, 5513.0, 5321.0, 5450.0, 5323.0, 5298.0, 5498.0, 5625.0, 5593.0, 5493.0, 5316.0, 5481.0, 5306.0, 5666.0, 5565.0, 5681.0, 5274.0, 5461.0, 5660.0, 5623.0, 5691.0, 5257.0, 5264.0, 5500.0, 5519.0, 5364.0, 5320.0, 5590.0, 5526.0, 5576.0, 5686.0, 5291.0, 5376.0, 5258.0, 5277.0, 5561.0, 5349.0, 5605.0, 5606.0, 5456.0, 5650.0, 5366.0, 5442.0, 5403.0, 5514.0, 5394.0, 5547.0, 5676.0, 5703.0, 5575.0, 5609.0, 5588.0, 5286.0, 5399.0, 5439.0, 5406.0, 5295.0, 5636.0, 5329.0, 5597.0, 5398.0, 5627.0, 5396.0, 5552.0, 5312.0, 5302.0, 5600.0, 5619.0, 5417.0, 5463.0, 5367.0, 5697.0, 5581.0, 5483.0, 5687.0, 5663.0, 5469.0, 5338.0, 5270.0, 5524.0, 5678.0, 5331.0, 5652.0, 5462.0, 5428.0, 5425.0, 5387.0, 5265.0, 5532.0, 5572.0, 5308.0, 5534.0, 5415.0, 5632.0, 5432.0 (number of hits: 4)
3	5280	9	1	333	1	5344.0, 5588.0, 5587.0, 5517.0, 5492.0, 5698.0, 5686.0, 5520.0, 5353.0, 5407.0, 5398.0, 5699.0, 5707.0, 5385.0, 5295.0, 5330.0, 5394.0, 5704.0, 5340.0, 5591.0, 5671.0, 5608.0, 5273.0, 5297.0, 5616.0, 5571.0, 5631.0, 5382.0, 5369.0, 5449.0, 5401.0, 5415.0, 5557.0, 5256.0, 5402.0, 5640.0, 5669.0, 5549.0, 5263.0, 5602.0, 5619.0, 5585.0, 5393.0, 5451.0, 5507.0, 5431.0, 5596.0, 5543.0, 5645.0, 5635.0, 5573.0, 5568.0, 5692.0, 5694.0, 5318.0, 5614.0, 5397.0, 5481.0, 5378.0, 5654.0,

						5365.0, 5533.0, 5539.0, 5667.0, 5350.0, 5345.0, 5387.0, 5408.0, 5435.0, 5388.0, 5623.0, 5522.0, 5283.0, 5416.0, 5418.0, 5629.0, 5493.0, 5690.0, 5605.0, 5328.0, 5524.0, 5287.0, 5708.0, 5452.0, 5639.0, 5627.0, 5679.0, 5448.0, 5373.0, 5341.0, 5527.0, 5411.0, 5678.0, 5447.0, 5618.0, 5267.0, 5697.0, 5566.0, 5368.0, 5413.0 (number of hits: 3)
4	5280	9	1	333	1	5311.0, 5468.0, 5704.0, 5381.0, 5482.0, 5286.0, 5438.0, 5439.0, 5485.0, 5645.0, 5463.0, 5647.0, 5452.0, 5388.0, 5551.0, 5676.0, 5472.0, 5506.0, 5677.0, 5502.0, 5552.0, 5376.0, 5649.0, 5496.0, 5521.0, 5256.0, 5405.0, 5476.0, 5459.0, 5434.0, 5570.0, 5655.0, 5489.0, 5668.0, 5719.0, 5600.0, 5273.0, 5272.0, 5702.0, 5555.0, 5589.0, 5276.0, 5343.0, 5341.0, 5451.0, 5530.0, 5657.0, 5351.0, 5372.0, 5402.0, 5652.0, 5365.0, 5268.0, 5352.0, 5720.0, 5443.0, 5498.0, 5440.0, 5315.0, 5478.0, 5416.0, 5640.0, 5682.0, 5615.0, 5335.0, 5270.0, 5643.0, 5409.0, 5635.0, 5433.0, 5413.0, 5400.0, 5461.0, 5618.0, 5508.0, 5280.0, 5572.0, 5287.0, 5441.0, 5503.0, 5666.0, 5292.0, 5418.0, 5688.0, 5516.0, 5553.0, 5362.0, 5691.0, 5711.0, 5321.0, 5299.0, 5481.0, 5368.0, 5693.0, 5545.0, 5601.0, 5421.0, 5627.0, 5429.0, 5254.0 (number of hits: 7)
5	5280	9	1	333	1	5398.0, 5562.0, 5466.0, 5339.0, 5667.0, 5617.0, 5488.0, 5421.0, 5641.0, 5504.0, 5489.0, 5474.0, 5251.0, 5645.0, 5324.0, 5651.0, 5720.0, 5473.0, 5387.0, 5485.0, 5692.0, 5588.0, 5525.0, 5585.0, 5496.0, 5307.0, 5685.0, 5375.0, 5470.0, 5270.0, 5395.0, 5522.0, 5715.0, 5635.0, 5520.0, 5305.0, 5402.0, 5316.0, 5329.0, 5682.0, 5377.0, 5431.0, 5361.0, 5712.0, 5705.0, 5593.0, 5582.0, 5455.0, 5423.0, 5532.0, 5343.0, 5713.0, 5703.0, 5600.0, 5383.0, 5308.0, 5355.0, 5300.0, 5652.0, 5609.0, 5366.0, 5265.0, 5656.0, 5358.0, 5334.0, 5318.0, 5444.0, 5460.0, 5560.0, 5515.0, 5586.0, 5283.0, 5369.0, 5365.0, 5615.0, 5602.0, 5484.0, 5628.0, 5436.0, 5595.0, 5644.0, 5581.0, 5557.0, 5499.0, 5540.0, 5266.0, 5403.0, 5696.0, 5450.0, 5516.0, 5663.0, 5563.0, 5711.0, 5491.0, 5289.0, 5327.0, 5486.0, 5475.0, 5254.0, 5666.0 (number of hits: 3)
6	5280	9	1	333	1	5330.0, 5302.0, 5582.0, 5592.0, 5595.0, 5265.0, 5315.0, 5253.0, 5660.0, 5278.0, 5604.0, 5443.0, 5309.0, 5684.0, 5649.0, 5617.0, 5382.0, 5419.0, 5301.0, 5671.0, 5283.0, 5566.0, 5312.0, 5486.0, 5549.0, 5462.0, 5332.0, 5296.0, 5467.0, 5693.0, 5612.0, 5504.0, 5607.0, 5485.0, 5367.0, 5494.0, 5355.0, 5257.0, 5336.0, 5347.0,

						5268.0, 5672.0, 5477.0, 5441.0, 5329.0, 5284.0, 5399.0, 5646.0, 5538.0, 5285.0, 5661.0, 5292.0, 5461.0, 5680.0, 5518.0, 5351.0, 5710.0, 5577.0, 5307.0, 5605.0, 5638.0, 5426.0, 5397.0, 5266.0, 5505.0, 5718.0, 5316.0, 5407.0, 5428.0, 5322.0, 5328.0, 5531.0, 5707.0, 5276.0, 5694.0, 5368.0, 5446.0, 5433.0, 5507.0, 5429.0, 5454.0, 5356.0, 5385.0, 5705.0, 5262.0, 5324.0, 5606.0, 5260.0, 5470.0, 5669.0, 5554.0, 5689.0, 5719.0, 5584.0, 5375.0, 5663.0, 5331.0, 5580.0, 5400.0, 5439.0 (number of hits: 5)
7	5280	9	1	333	1	5297.0, 5598.0, 5511.0, 5408.0, 5536.0, 5282.0, 5596.0, 5605.0, 5308.0, 5664.0, 5468.0, 5375.0, 5284.0, 5589.0, 5266.0, 5534.0, 5622.0, 5557.0, 5307.0, 5257.0, 5357.0, 5439.0, 5278.0, 5706.0, 5323.0, 5669.0, 5489.0, 5473.0, 5348.0, 5309.0, 5410.0, 5315.0, 5260.0, 5485.0, 5636.0, 5565.0, 5486.0, 5417.0, 5271.0, 5411.0, 5435.0, 5360.0, 5597.0, 5678.0, 5459.0, 5607.0, 5296.0, 5353.0, 5359.0, 5488.0, 5694.0, 5368.0, 5252.0, 5531.0, 5496.0, 5520.0, 5674.0, 5310.0, 5331.0, 5693.0, 5640.0, 5442.0, 5569.0, 5717.0, 5294.0, 5344.0, 5509.0, 5639.0, 5386.0, 5513.0, 5447.0, 5463.0, 5526.0, 5628.0, 5304.0, 5688.0, 5254.0, 5391.0, 5500.0, 5370.0, 5600.0, 5382.0, 5691.0, 5563.0, 5579.0, 5507.0, 5568.0, 5551.0, 5504.0, 5681.0, 5327.0, 5403.0, 5559.0, 5393.0, 5481.0, 5475.0, 5346.0, 5539.0, 5502.0, 5613.0 (number of hits: 4)
8	5280	9	1	333	1	5493.0, 5406.0, 5290.0, 5607.0, 5553.0, 5525.0, 5456.0, 5709.0, 5467.0, 5262.0, 5413.0, 5318.0, 5321.0, 5711.0, 5420.0, 5719.0, 5280.0, 5281.0, 5439.0, 5643.0, 5421.0, 5343.0, 5510.0, 5678.0, 5661.0, 5487.0, 5673.0, 5327.0, 5258.0, 5663.0, 5544.0, 5720.0, 5441.0, 5697.0, 5414.0, 5482.0, 5383.0, 5620.0, 5589.0, 5412.0, 5468.0, 5560.0, 5340.0, 5283.0, 5374.0, 5475.0, 5495.0, 5256.0, 5694.0, 5334.0, 5490.0, 5353.0, 5342.0, 5569.0, 5288.0, 5693.0, 5254.0, 5363.0, 5679.0, 5294.0, 5408.0, 5538.0, 5289.0, 5354.0, 5597.0, 5310.0, 5542.0, 5311.0, 5358.0, 5551.0, 5362.0, 5671.0, 5295.0, 5398.0, 5713.0, 5645.0, 5286.0, 5454.0, 5382.0, 5563.0, 5266.0, 5444.0, 5403.0, 5522.0, 5555.0, 5391.0, 5603.0, 5274.0, 5536.0, 5655.0, 5282.0, 5701.0, 5437.0, 5512.0, 5561.0, 5267.0, 5571.0, 5450.0, 5708.0, 5265.0 (number of hits: 8)
9	5280	9	1	333	1	5281.0, 5288.0, 5261.0, 5442.0, 5696.0, 5620.0, 5716.0, 5670.0, 5486.0, 5671.0, 5538.0, 5713.0, 5391.0, 5613.0, 5474.0, 5370.0, 5485.0, 5346.0, 5457.0, 5287.0,

						5619.0, 5700.0, 5691.0, 5443.0, 5365.0, 5311.0, 5612.0, 5560.0, 5572.0, 5367.0, 5557.0, 5468.0, 5467.0, 5674.0, 5401.0, 5381.0, 5355.0, 5642.0, 5705.0, 5689.0, 5318.0, 5406.0, 5458.0, 5307.0, 5339.0, 5356.0, 5680.0, 5336.0, 5563.0, 5537.0, 5651.0, 5321.0, 5507.0, 5601.0, 5579.0, 5531.0, 5591.0, 5453.0, 5290.0, 5630.0, 5703.0, 5460.0, 5556.0, 5504.0, 5275.0, 5665.0, 5304.0, 5411.0, 5519.0, 5714.0, 5682.0, 5659.0, 5466.0, 5435.0, 5698.0, 5300.0, 5327.0, 5314.0, 5351.0, 5397.0, 5452.0, 5476.0, 5533.0, 5416.0, 5350.0, 5678.0, 5500.0, 5605.0, 5624.0, 5683.0, 5374.0, 5343.0, 5707.0, 5561.0, 5444.0, 5377.0, 5655.0, 5418.0, 5595.0, 5323.0 (number of hits: 4)
10	5280	9	1	333	1	5604.0, 5255.0, 5266.0, 5717.0, 5688.0, 5330.0, 5563.0, 5632.0, 5529.0, 5404.0, 5607.0, 5437.0, 5283.0, 5445.0, 5389.0, 5296.0, 5336.0, 5441.0, 5524.0, 5615.0, 5291.0, 5285.0, 5483.0, 5344.0, 5348.0, 5474.0, 5473.0, 5706.0, 5370.0, 5390.0, 5564.0, 5698.0, 5652.0, 5689.0, 5273.0, 5252.0, 5328.0, 5511.0, 5408.0, 5664.0, 5362.0, 5440.0, 5562.0, 5637.0, 5262.0, 5713.0, 5496.0, 5412.0, 5319.0, 5489.0, 5696.0, 5470.0, 5343.0, 5275.0, 5461.0, 5517.0, 5544.0, 5658.0, 5250.0, 5326.0, 5365.0, 5723.0, 5693.0, 5702.0, 5636.0, 5338.0, 5394.0, 5654.0, 5609.0, 5541.0, 5679.0, 5396.0, 5639.0, 5522.0, 5681.0, 5378.0, 5512.0, 5623.0, 5574.0, 5339.0, 5290.0, 5659.0, 5711.0, 5663.0, 5644.0, 5640.0, 5691.0, 5317.0, 5340.0, 5565.0, 5490.0, 5271.0, 5304.0, 5547.0, 5576.0, 5287.0, 5646.0, 5447.0, 5531.0, 5421.0 (number of hits: 6)
11	5280	9	1	333	1	5493.0, 5395.0, 5461.0, 5433.0, 5365.0, 5505.0, 5389.0, 5685.0, 5459.0, 5623.0, 5686.0, 5490.0, 5374.0, 5397.0, 5478.0, 5523.0, 5270.0, 5387.0, 5480.0, 5589.0, 5587.0, 5306.0, 5429.0, 5401.0, 5720.0, 5440.0, 5442.0, 5645.0, 5405.0, 5399.0, 5488.0, 5286.0, 5689.0, 5491.0, 5567.0, 5361.0, 5419.0, 5446.0, 5594.0, 5712.0, 5381.0, 5357.0, 5627.0, 5659.0, 5367.0, 5257.0, 5526.0, 5643.0, 5353.0, 5314.0, 5724.0, 5482.0, 5536.0, 5515.0, 5564.0, 5386.0, 5477.0, 5570.0, 5595.0, 5456.0, 5524.0, 5656.0, 5658.0, 5633.0, 5371.0, 5273.0, 5465.0, 5373.0, 5290.0, 5520.0, 5296.0, 5560.0, 5368.0, 5543.0, 5455.0, 5608.0, 5345.0, 5640.0, 5489.0, 5308.0, 5617.0, 5549.0, 5454.0, 5566.0, 5484.0, 5327.0, 5681.0, 5671.0, 5708.0, 5324.0, 5550.0, 5634.0, 5337.0, 5284.0, 5509.0, 5540.0, 5679.0, 5424.0, 5263.0, 5652.0 (number of hits: 4)

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13	5280	9	1	333	1	5323.0, 5331.0, 5351.0, 5340.0, 5540.0, 5642.0, 5464.0, 5446.0, 5257.0, 5417.0, 5389.0, 5711.0, 5379.0, 5699.0, 5266.0, 5495.0, 5517.0, 5613.0, 5400.0, 5668.0, 5391.0, 5597.0, 5288.0, 5714.0, 5666.0, 5671.0, 5295.0, 5607.0, 5591.0, 5263.0, 5299.0, 5315.0, 5718.0, 5576.0, 5330.0, 5441.0, 5345.0, 5525.0, 5398.0, 5402.0, 5609.0, 5469.0, 5605.0, 5484.0, 5629.0, 5414.0, 5721.0, 5432.0, 5307.0, 5602.0, 5663.0, 5686.0, 5360.0, 5637.0, 5575.0, 5638.0, 5624.0, 5722.0, 5491.0, 5420.0, 5674.0, 5586.0, 5341.0, 5386.0, 5419.0, 5572.0, 5655.0, 5693.0, 5318.0, 5667.0, 5382.0, 5366.0, 5522.0, 5531.0, 5697.0, 5579.0, 5562.0, 5509.0, 5505.0, 5358.0, 5501.0, 5708.0, 5502.0, 5653.0, 5346.0, 5720.0, 5700.0, 5462.0, 5475.0, 5349.0, 5548.0, 5717.0, 5478.0, 5344.0, 5656.0, 5599.0, 5490.0, 5376.0, 5383.0, 5498.0 (number of hits: 1)
14	5280	9	1	333	1	5318.0, 5682.0, 5591.0, 5584.0, 5672.0, 5722.0, 5543.0, 5358.0, 5307.0, 5560.0, 5298.0, 5335.0, 5404.0, 5265.0, 5315.0, 5408.0, 5620.0, 5268.0, 5454.0, 5644.0, 5684.0, 5689.0, 5385.0, 5353.0, 5706.0, 5451.0, 5537.0, 5631.0, 5384.0, 5362.0, 5417.0, 5596.0, 5444.0, 5388.0, 5579.0, 5259.0, 5387.0, 5621.0, 5382.0, 5695.0, 5599.0, 5341.0, 5266.0, 5465.0, 5522.0, 5380.0, 5501.0, 5402.0, 5558.0, 5426.0, 5542.0, 5459.0, 5649.0, 5365.0, 5531.0, 5642.0, 5605.0, 5529.0, 5378.0, 5554.0, 5704.0, 5352.0, 5321.0, 5630.0, 5690.0, 5466.0, 5634.0, 5607.0, 5604.0, 5275.0, 5455.0, 5346.0, 5597.0, 5681.0, 5328.0, 5677.0, 5429.0, 5279.0, 5333.0, 5613.0, 5495.0, 5280.0, 5703.0, 5374.0, 5320.0,

						5291.0, 5493.0, 5300.0, 5538.0, 5588.0, 5354.0, 5545.0, 5565.0, 5400.0, 5641.0, 5253.0, 5482.0, 5479.0, 5525.0, 5544.0 (number of hits: 3)
15	5280	9	1	333	1	5337.0, 5441.0, 5684.0, 5704.0, 5623.0, 5338.0, 5696.0, 5657.0, 5431.0, 5495.0, 5494.0, 5432.0, 5482.0, 5316.0, 5440.0, 5467.0, 5646.0, 5505.0, 5407.0, 5279.0, 5512.0, 5391.0, 5442.0, 5488.0, 5545.0, 5524.0, 5390.0, 5334.0, 5395.0, 5694.0, 5569.0, 5592.0, 5291.0, 5335.0, 5403.0, 5481.0, 5447.0, 5504.0, 5444.0, 5415.0, 5464.0, 5700.0, 5637.0, 5262.0, 5570.0, 5625.0, 5705.0, 5424.0, 5485.0, 5401.0, 5274.0, 5718.0, 5419.0, 5373.0, 5255.0, 5509.0, 5347.0, 5319.0, 5627.0, 5410.0, 5453.0, 5538.0, 5459.0, 5510.0, 5595.0, 5640.0, 5448.0, 5321.0, 5602.0, 5307.0, 5253.0, 5709.0, 5503.0, 5288.0, 5456.0, 5416.0, 5571.0, 5405.0, 5350.0, 5281.0, 5317.0, 5508.0, 5483.0, 5691.0, 5258.0, 5269.0, 5380.0, 5652.0, 5638.0, 5385.0, 5713.0, 5354.0, 5422.0, 5318.0, 5514.0, 5665.0, 5692.0, 5305.0, 5613.0, 5451.0 (number of hits: 4)
16	5280	9	1	333	1	5266.0, 5275.0, 5455.0, 5649.0, 5302.0, 5257.0, 5484.0, 5285.0, 5663.0, 5463.0, 5421.0, 5662.0, 5279.0, 5516.0, 5659.0, 5407.0, 5687.0, 5324.0, 5682.0, 5562.0, 5343.0, 5560.0, 5290.0, 5328.0, 5347.0, 5376.0, 5335.0, 5276.0, 5575.0, 5703.0, 5715.0, 5556.0, 5287.0, 5366.0, 5473.0, 5519.0, 5573.0, 5586.0, 5424.0, 5380.0, 5636.0, 5534.0, 5390.0, 5409.0, 5283.0, 5710.0, 5360.0, 5353.0, 5300.0, 5504.0, 5469.0, 5483.0, 5683.0, 5427.0, 5523.0, 5292.0, 5718.0, 5567.0, 5402.0, 5316.0, 5329.0, 5574.0, 5479.0, 5561.0, 5626.0, 5506.0, 5644.0, 5593.0, 5639.0, 5271.0, 5440.0, 5426.0, 5590.0, 5707.0, 5493.0, 5678.0, 5333.0, 5374.0, 5666.0, 5441.0, 5327.0, 5553.0, 5599.0, 5456.0, 5251.0, 5494.0, 5288.0, 5610.0, 5579.0, 5306.0, 5460.0, 5449.0, 5487.0, 5298.0, 5688.0, 5311.0, 5321.0, 5489.0, 5647.0, 5437.0 (number of hits: 8)
17	5280	9	1	333	1	5262.0, 5361.0, 5497.0, 5380.0, 5330.0, 5299.0, 5516.0, 5493.0, 5632.0, 5257.0, 5681.0, 5407.0, 5338.0, 5392.0, 5595.0, 5612.0, 5358.0, 5692.0, 5538.0, 5484.0, 5705.0, 5591.0, 5593.0, 5312.0, 5346.0, 5651.0, 5369.0, 5601.0, 5252.0, 5578.0, 5317.0, 5494.0, 5670.0, 5258.0, 5421.0, 5677.0, 5659.0, 5678.0, 5313.0, 5649.0, 5269.0, 5570.0, 5721.0, 5388.0, 5445.0, 5655.0, 5716.0, 5520.0, 5351.0, 5714.0, 5607.0, 5337.0, 5393.0, 5366.0, 5485.0, 5436.0, 5643.0, 5501.0, 5468.0, 5418.0, 5641.0, 5710.0, 5647.0, 5544.0, 5695.0,

						5265.0, 5469.0, 5624.0, 5377.0, 5637.0, 5628.0, 5391.0, 5381.0, 5456.0, 5415.0, 5698.0, 5480.0, 5613.0, 5353.0, 5452.0, 5345.0, 5437.0, 5276.0, 5691.0, 5425.0, 5621.0, 5475.0, 5549.0, 5551.0, 5260.0, 5482.0, 5399.0, 5352.0, 5439.0, 5567.0, 5254.0, 5404.0, 5518.0, 5367.0, 5347.0 (number of hits: 1)
18	5280	9	1	333	1	5481.0, 5283.0, 5447.0, 5554.0, 5466.0, 5503.0, 5676.0, 5540.0, 5561.0, 5452.0, 5390.0, 5599.0, 5316.0, 5567.0, 5373.0, 5592.0, 5681.0, 5618.0, 5272.0, 5435.0, 5365.0, 5456.0, 5381.0, 5251.0, 5566.0, 5262.0, 5468.0, 5508.0, 5299.0, 5476.0, 5457.0, 5413.0, 5287.0, 5588.0, 5579.0, 5302.0, 5411.0, 5580.0, 5695.0, 5441.0, 5667.0, 5430.0, 5340.0, 5696.0, 5421.0, 5677.0, 5317.0, 5686.0, 5429.0, 5273.0, 5334.0, 5644.0, 5664.0, 5662.0, 5419.0, 5500.0, 5650.0, 5415.0, 5608.0, 5713.0, 5708.0, 5314.0, 5336.0, 5586.0, 5617.0, 5416.0, 5329.0, 5266.0, 5278.0, 5494.0, 5684.0, 5479.0, 5291.0, 5656.0, 5626.0, 5324.0, 5280.0, 5637.0, 5495.0, 5564.0, 5312.0, 5624.0, 5275.0, 5581.0, 5460.0, 5374.0, 5423.0, 5387.0, 5654.0, 5490.0, 5710.0, 5412.0, 5282.0, 5408.0, 5502.0, 5345.0, 5402.0, 5529.0, 5310.0, 5609.0 (number of hits: 8)
19	5280	9	1	333	1	5411.0, 5363.0, 5300.0, 5315.0, 5557.0, 5272.0, 5548.0, 5552.0, 5406.0, 5292.0, 5538.0, 5370.0, 5484.0, 5366.0, 5719.0, 5286.0, 5257.0, 5676.0, 5611.0, 5658.0, 5358.0, 5321.0, 5502.0, 5573.0, 5686.0, 5271.0, 5696.0, 5681.0, 5382.0, 5328.0, 5485.0, 5598.0, 5325.0, 5274.0, 5299.0, 5387.0, 5500.0, 5293.0, 5640.0, 5707.0, 5493.0, 5668.0, 5651.0, 5568.0, 5608.0, 5330.0, 5625.0, 5262.0, 5660.0, 5352.0, 5483.0, 5324.0, 5575.0, 5596.0, 5427.0, 5275.0, 5443.0, 5547.0, 5607.0, 5474.0, 5590.0, 5544.0, 5706.0, 5717.0, 5477.0, 5419.0, 5467.0, 5521.0, 5497.0, 5525.0, 5616.0, 5664.0, 5648.0, 5287.0, 5708.0, 5469.0, 5621.0, 5650.0, 5429.0, 5609.0, 5373.0, 5261.0, 5470.0, 5393.0, 5434.0, 5526.0, 5632.0, 5564.0, 5332.0, 5604.0, 5437.0, 5530.0, 5313.0, 5679.0, 5311.0, 5539.0, 5446.0, 5346.0, 5674.0, 5675.0 (number of hits: 6)
20	5280	9	1	333	1	5422.0, 5621.0, 5539.0, 5306.0, 5321.0, 5527.0, 5568.0, 5677.0, 5580.0, 5542.0, 5682.0, 5620.0, 5462.0, 5325.0, 5697.0, 5449.0, 5473.0, 5571.0, 5544.0, 5318.0, 5303.0, 5698.0, 5679.0, 5614.0, 5522.0, 5561.0, 5291.0, 5576.0, 5420.0, 5693.0, 5398.0, 5442.0, 5548.0, 5256.0, 5488.0, 5427.0, 5558.0, 5348.0, 5447.0, 5601.0, 5662.0, 5379.0, 5556.0, 5310.0, 5419.0,

						5482.0, 5444.0, 5459.0, 5512.0, 5334.0, 5374.0, 5717.0, 5433.0, 5282.0, 5706.0, 5254.0, 5413.0, 5296.0, 5656.0, 5590.0, 5385.0, 5630.0, 5565.0, 5624.0, 5564.0, 5603.0, 5371.0, 5532.0, 5722.0, 5428.0, 5517.0, 5691.0, 5297.0, 5315.0, 5410.0, 5579.0, 5342.0, 5520.0, 5694.0, 5393.0, 5286.0, 5481.0, 5450.0, 5618.0, 5613.0, 5265.0, 5507.0, 5602.0, 5675.0, 5400.0, 5440.0, 5368.0, 5358.0, 5465.0, 5681.0, 5284.0, 5324.0, 5267.0, 5378.0, 5537.0 (number of hits: 3)
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22	5280	9	1	333	1	5624.0, 5579.0, 5302.0, 5690.0, 5709.0, 5337.0, 5597.0, 5713.0, 5266.0, 5526.0, 5469.0, 5318.0, 5545.0, 5711.0, 5269.0, 5580.0, 5496.0, 5405.0, 5295.0, 5638.0, 5629.0, 5259.0, 5491.0, 5417.0, 5717.0, 5359.0, 5510.0, 5430.0, 5707.0, 5710.0, 5722.0, 5585.0, 5680.0, 5649.0, 5456.0, 5449.0, 5618.0, 5598.0, 5572.0, 5290.0, 5667.0, 5387.0, 5607.0, 5398.0, 5386.0, 5287.0, 5558.0, 5376.0, 5594.0, 5331.0, 5389.0, 5461.0, 5497.0, 5351.0, 5511.0, 5357.0, 5348.0, 5381.0, 5656.0, 5466.0, 5365.0, 5342.0, 5276.0, 5529.0, 5564.0, 5482.0, 5525.0, 5390.0, 5476.0, 5281.0, 5668.0, 5664.0, 5404.0, 5296.0, 5663.0, 5335.0, 5420.0, 5546.0, 5541.0, 5320.0, 5373.0, 5606.0, 5450.0, 5307.0, 5524.0, 5457.0, 5721.0, 5653.0, 5340.0, 5478.0, 5574.0, 5462.0, 5421.0, 5712.0, 5581.0, 5371.0, 5397.0, 5418.0, 5454.0, 5271.0 (number of hits: 4)
23	5280	9	1	333	1	5643.0, 5651.0, 5284.0, 5549.0, 5685.0, 5552.0, 5330.0, 5333.0, 5689.0, 5575.0, 5465.0, 5365.0, 5449.0, 5307.0, 5327.0, 5584.0, 5322.0, 5532.0, 5696.0, 5711.0, 5619.0, 5347.0, 5543.0, 5318.0, 5359.0,

						5534.0, 5620.0, 5531.0, 5345.0, 5605.0, 5317.0, 5467.0, 5499.0, 5314.0, 5271.0, 5373.0, 5357.0, 5589.0, 5389.0, 5276.0, 5670.0, 5458.0, 5360.0, 5681.0, 5512.0, 5661.0, 5453.0, 5343.0, 5693.0, 5358.0, 5699.0, 5302.0, 5351.0, 5624.0, 5709.0, 5316.0, 5325.0, 5442.0, 5403.0, 5279.0, 5349.0, 5332.0, 5480.0, 5638.0, 5346.0, 5718.0, 5251.0, 5282.0, 5585.0, 5538.0, 5353.0, 5273.0, 5502.0, 5629.0, 5560.0, 5473.0, 5537.0, 5641.0, 5615.0, 5556.0, 5454.0, 5266.0, 5261.0, 5588.0, 5539.0, 5722.0, 5422.0, 5296.0, 5329.0, 5334.0, 5600.0, 5719.0, 5581.0, 5675.0, 5410.0, 5376.0, 5564.0, 5408.0, 5283.0, 5667.0 (number of hits: 7)
24	5280	9	1	333	1	5601.0, 5558.0, 5674.0, 5419.0, 5658.0, 5393.0, 5678.0, 5483.0, 5485.0, 5346.0, 5583.0, 5705.0, 5446.0, 5256.0, 5383.0, 5397.0, 5440.0, 5332.0, 5694.0, 5649.0, 5428.0, 5254.0, 5342.0, 5293.0, 5634.0, 5391.0, 5703.0, 5296.0, 5292.0, 5504.0, 5281.0, 5328.0, 5548.0, 5559.0, 5510.0, 5666.0, 5385.0, 5270.0, 5339.0, 5489.0, 5724.0, 5283.0, 5575.0, 5603.0, 5472.0, 5343.0, 5544.0, 5462.0, 5468.0, 5324.0, 5382.0, 5291.0, 5499.0, 5374.0, 5286.0, 5284.0, 5656.0, 5262.0, 5273.0, 5482.0, 5433.0, 5533.0, 5417.0, 5314.0, 5513.0, 5401.0, 5377.0, 5677.0, 5497.0, 5271.0, 5507.0, 5347.0, 5263.0, 5516.0, 5643.0, 5593.0, 5542.0, 5612.0, 5687.0, 5297.0, 5711.0, 5474.0, 5712.0, 5317.0, 5479.0, 5413.0, 5414.0, 5700.0, 5287.0, 5264.0, 5532.0, 5405.0, 5699.0, 5574.0, 5399.0, 5493.0, 5444.0, 5554.0, 5577.0, 5602.0 (number of hits: 8)
25	5280	9	1	333	1	5410.0, 5293.0, 5522.0, 5267.0, 5576.0, 5690.0, 5508.0, 5723.0, 5640.0, 5504.0, 5554.0, 5565.0, 5503.0, 5627.0, 5337.0, 5394.0, 5490.0, 5680.0, 5487.0, 5624.0, 5468.0, 5290.0, 5381.0, 5418.0, 5422.0, 5650.0, 5345.0, 5287.0, 5289.0, 5714.0, 5452.0, 5346.0, 5359.0, 5582.0, 5391.0, 5331.0, 5426.0, 5465.0, 5432.0, 5577.0, 5384.0, 5251.0, 5364.0, 5677.0, 5361.0, 5392.0, 5284.0, 5505.0, 5273.0, 5526.0, 5590.0, 5282.0, 5442.0, 5259.0, 5457.0, 5687.0, 5548.0, 5498.0, 5285.0, 5716.0, 5656.0, 5662.0, 5497.0, 5664.0, 5434.0, 5568.0, 5446.0, 5253.0, 5514.0, 5277.0, 5591.0, 5304.0, 5283.0, 5280.0, 5406.0, 5675.0, 5553.0, 5571.0, 5613.0, 5543.0, 5583.0, 5697.0, 5371.0, 5525.0, 5637.0, 5370.0, 5276.0, 5699.0, 5551.0, 5491.0, 5395.0, 5700.0, 5329.0, 5258.0, 5618.0, 5352.0, 5378.0, 5536.0, 5343.0, 5472.0 (number of hits: 10)
26	5280	9	1	333	1	5367.0, 5343.0, 5722.0, 5663.0, 5652.0,

						5460.0, 5587.0, 5536.0, 5399.0, 5363.0, 5315.0, 5608.0, 5361.0, 5369.0, 5334.0, 5605.0, 5603.0, 5647.0, 5497.0, 5472.0, 5437.0, 5353.0, 5283.0, 5628.0, 5489.0, 5471.0, 5513.0, 5683.0, 5718.0, 5523.0, 5277.0, 5469.0, 5615.0, 5405.0, 5453.0, 5451.0, 5546.0, 5391.0, 5348.0, 5537.0, 5394.0, 5420.0, 5641.0, 5525.0, 5668.0, 5303.0, 5574.0, 5429.0, 5403.0, 5627.0, 5585.0, 5486.0, 5657.0, 5689.0, 5360.0, 5381.0, 5526.0, 5639.0, 5670.0, 5607.0, 5458.0, 5389.0, 5596.0, 5613.0, 5552.0, 5563.0, 5582.0, 5644.0, 5422.0, 5292.0, 5320.0, 5419.0, 5702.0, 5520.0, 5255.0, 5424.0, 5345.0, 5290.0, 5649.0, 5271.0, 5518.0, 5548.0, 5289.0, 5664.0, 5611.0, 5415.0, 5602.0, 5294.0, 5679.0, 5404.0, 5485.0, 5511.0, 5323.0, 5390.0, 5707.0, 5407.0, 5693.0, 5696.0, 5568.0, 5654.0 (number of hits: 4)
27	5280	9	1	333	1	5520.0, 5677.0, 5330.0, 5494.0, 5560.0, 5703.0, 5547.0, 5366.0, 5643.0, 5305.0, 5697.0, 5354.0, 5379.0, 5339.0, 5541.0, 5638.0, 5477.0, 5336.0, 5367.0, 5384.0, 5425.0, 5577.0, 5596.0, 5622.0, 5676.0, 5542.0, 5273.0, 5376.0, 5348.0, 5696.0, 5408.0, 5580.0, 5389.0, 5679.0, 5468.0, 5317.0, 5422.0, 5368.0, 5447.0, 5675.0, 5275.0, 5360.0, 5573.0, 5583.0, 5296.0, 5388.0, 5370.0, 5604.0, 5701.0, 5565.0, 5316.0, 5409.0, 5474.0, 5598.0, 5428.0, 5617.0, 5554.0, 5681.0, 5297.0, 5314.0, 5307.0, 5524.0, 5461.0, 5294.0, 5721.0, 5448.0, 5250.0, 5549.0, 5582.0, 5380.0, 5671.0, 5632.0, 5415.0, 5712.0, 5311.0, 5282.0, 5308.0, 5476.0, 5272.0, 5556.0, 5382.0, 5611.0, 5479.0, 5717.0, 5706.0, 5561.0, 5420.0, 5519.0, 5375.0, 5584.0, 5555.0, 5637.0, 5609.0, 5670.0, 5303.0, 5416.0, 5669.0, 5392.0, 5513.0, 5253.0 (number of hits: 4)
28	5280	9	1	333	1	5382.0, 5584.0, 5583.0, 5439.0, 5329.0, 5309.0, 5524.0, 5281.0, 5675.0, 5613.0, 5416.0, 5500.0, 5312.0, 5258.0, 5353.0, 5530.0, 5643.0, 5559.0, 5602.0, 5493.0, 5565.0, 5421.0, 5628.0, 5703.0, 5511.0, 5296.0, 5384.0, 5398.0, 5342.0, 5290.0, 5409.0, 5646.0, 5551.0, 5330.0, 5447.0, 5691.0, 5477.0, 5410.0, 5670.0, 5401.0, 5636.0, 5698.0, 5514.0, 5612.0, 5284.0, 5689.0, 5424.0, 5568.0, 5347.0, 5341.0, 5582.0, 5408.0, 5361.0, 5529.0, 5624.0, 5316.0, 5702.0, 5593.0, 5588.0, 5386.0, 5660.0, 5383.0, 5372.0, 5484.0, 5259.0, 5710.0, 5666.0, 5459.0, 5263.0, 5664.0, 5314.0, 5560.0, 5335.0, 5549.0, 5630.0, 5332.0, 5669.0, 5724.0, 5440.0, 5540.0, 5492.0, 5315.0, 5291.0, 5520.0, 5452.0, 5337.0, 5396.0, 5320.0, 5441.0, 5483.0,

						5517.0, 5257.0, 5548.0, 5318.0, 5438.0, 5518.0, 5310.0, 5521.0, 5344.0, 5692.0 (number of hits: 2)
29	5280	9	1	333	1	5642.0, 5252.0, 5396.0, 5559.0, 5362.0, 5291.0, 5363.0, 5255.0, 5435.0, 5431.0, 5669.0, 5415.0, 5418.0, 5477.0, 5670.0, 5513.0, 5557.0, 5493.0, 5322.0, 5600.0, 5541.0, 5404.0, 5636.0, 5591.0, 5389.0, 5386.0, 5464.0, 5391.0, 5528.0, 5409.0, 5562.0, 5698.0, 5258.0, 5577.0, 5446.0, 5329.0, 5316.0, 5649.0, 5419.0, 5620.0, 5609.0, 5437.0, 5366.0, 5449.0, 5686.0, 5356.0, 5491.0, 5524.0, 5390.0, 5588.0, 5543.0, 5450.0, 5539.0, 5484.0, 5372.0, 5664.0, 5628.0, 5313.0, 5427.0, 5610.0, 5289.0, 5645.0, 5428.0, 5702.0, 5369.0, 5453.0, 5414.0, 5660.0, 5295.0, 5514.0, 5432.0, 5304.0, 5475.0, 5701.0, 5544.0, 5343.0, 5676.0, 5621.0, 5323.0, 5342.0, 5678.0, 5429.0, 5625.0, 5631.0, 5341.0, 5454.0, 5531.0, 5548.0, 5399.0, 5350.0, 5405.0, 5263.0, 5607.0, 5447.0, 5423.0, 5546.0, 5299.0, 5522.0, 5382.0, 5407.0 (number of hits: 1)
30	5280	9	1	333	1	5420.0, 5722.0, 5497.0, 5477.0, 5654.0, 5681.0, 5415.0, 5392.0, 5481.0, 5351.0, 5315.0, 5575.0, 5342.0, 5508.0, 5474.0, 5496.0, 5348.0, 5714.0, 5683.0, 5548.0, 5580.0, 5352.0, 5720.0, 5361.0, 5306.0, 5368.0, 5455.0, 5341.0, 5699.0, 5600.0, 5438.0, 5601.0, 5582.0, 5506.0, 5599.0, 5664.0, 5513.0, 5430.0, 5268.0, 5583.0, 5375.0, 5503.0, 5273.0, 5695.0, 5255.0, 5428.0, 5712.0, 5522.0, 5266.0, 5593.0, 5288.0, 5291.0, 5490.0, 5436.0, 5446.0, 5657.0, 5565.0, 5326.0, 5570.0, 5633.0, 5644.0, 5709.0, 5259.0, 5584.0, 5336.0, 5572.0, 5495.0, 5621.0, 5624.0, 5401.0, 5595.0, 5365.0, 5688.0, 5494.0, 5585.0, 5668.0, 5527.0, 5546.0, 5294.0, 5510.0, 5650.0, 5613.0, 5396.0, 5287.0, 5528.0, 5617.0, 5409.0, 5566.0, 5615.0, 5292.0, 5364.0, 5378.0, 5299.0, 5645.0, 5413.0, 5385.0, 5539.0, 5327.0, 5501.0, 5367.0 (number of hits: 3)

5580 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:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5580	83	1	638	1
2	5580	67	1	798	1
3	5580	86	1	618	1
4	5580	58	1	918	1
5	5580	81	1	658	1
6	5580	72	1	738	1
7	5580	18	1	3066	1
8	5580	89	1	598	1
9	5580	70	1	758	1
10	5580	99	1	538	1
11	5580	63	1	838	1
12	5580	65	1	818	1
13	5580	61	1	878	1
14	5580	59	1	898	1
15	5580	102	1	518	1
16	5580	19	1	2816	1
17	5580	38	1	1405	1
18	5580	100	1	530	1
19	5580	18	1	2942	1
20	5580	27	1	1992	1
21	5580	35	1	1550	1
22	5580	31	1	1732	1
23	5580	36	1	1482	1
24	5580	37	1	1446	1
25	5580	86	1	619	1
26	5580	21	1	2584	1
27	5580	35	1	1538	1
28	5580	19	1	2865	1
29	5580	59	1	900	1
30	5580	24	1	2246	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	5580	23	1.1	154	1
2	5580	23	2.3	192	1
3	5580	29	1.1	178	1
4	5580	25	1.7	216	1
5	5580	27	3.2	179	1
6	5580	24	3.4	211	1
7	5580	24	3.2	215	1
8	5580	26	2.7	207	1
9	5580	25	1.3	228	1
10	5580	28	1.1	172	1
11	5580	28	4.3	214	1
12	5580	25	1.6	204	1
13	5580	24	4.7	211	1
14	5580	23	4	177	1
15	5580	24	1.6	194	1
16	5580	29	4.1	203	1
17	5580	26	4.2	197	1
18	5580	23	3.4	190	1
19	5580	23	2	166	1
20	5580	26	4	223	1
21	5580	27	1	157	1
22	5580	25	3.4	173	1
23	5580	23	2.9	225	1
24	5580	27	4.2	156	1
25	5580	29	3.8	228	1
26	5580	24	1.9	214	1
27	5580	24	3.2	179	1
28	5580	29	1.3	205	1
29	5580	23	1.6	186	1
30	5580	24	2.2	208	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	5580	18	8	326	1
2	5580	16	9.2	357	1
3	5580	17	6.8	334	1
4	5580	16	9.5	361	1
5	5580	18	9.7	329	1
6	5580	16	7.5	220	1
7	5580	18	8.3	479	1
8	5580	18	8.6	308	1
9	5580	18	7.4	407	1
10	5580	17	8.8	390	1
11	5580	17	6.9	474	1
12	5580	18	7	277	1
13	5580	18	6.1	477	1
14	5580	16	8.3	401	1
15	5580	18	6	474	1
16	5580	17	8.7	429	1
17	5580	18	9.3	288	1
18	5580	17	9.9	237	1
19	5580	17	9.8	217	1
20	5580	18	6.8	291	1
21	5580	18	7.3	383	1
22	5580	16	8.4	241	1
23	5580	16	7.6	333	1
24	5580	18	6.4	272	1
25	5580	16	6.4	270	1
26	5580	18	6.9	204	1
27	5580	16	6.5	202	1
28	5580	17	7.3	386	1
29	5580	16	9.6	220	1
30	5580	17	7.3	357	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	5580	14	16.7	439	1
2	5580	12	17.7	351	1
3	5580	12	18.5	471	1
4	5580	13	12.9	321	1
5	5580	15	11.8	426	1
6	5580	12	17.4	378	1
7	5580	12	15.6	280	1
8	5580	16	18.3	420	1
9	5580	12	12.7	304	1
10	5580	12	15	249	1
11	5580	16	13.9	313	1
12	5580	14	11.8	435	1
13	5580	14	14.2	456	1
14	5580	12	17.9	369	1
15	5580	12	19	470	1
16	5580	16	17.3	257	1
17	5580	13	15.2	345	1
18	5580	16	12.6	454	1
19	5580	12	13.2	410	1
20	5580	14	16.5	201	1
21	5580	12	14.2	432	1
22	5580	13	12.2	276	1
23	5580	15	15	285	1
24	5580	12	14.2	267	1
25	5580	13	12.7	379	1
26	5580	15	18.8	472	1
27	5580	15	17.1	477	1
28	5580	14	18.9	481	1
29	5580	14	15.2	333	1
30	5580	14	18.3	469	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	58.3	1740		0.170811	1
1	3	6	81.7	1604	1430	1.390867	
2	2	16	87	1682		1.500685	
3	3	8	52.3	1164	1911	2.343593	
4	2	9	72.7	1082		3.147512	
5	1	7	88.1			4.302148	
6	2	8	90.7	1418		5.021548	
7	1	13	87.3			5.290975	
8	1	7	57.5			6.677426	
9	2	11	79.8	1907		7.418303	
10	3	8	85.3	1460	1330	8.100063	
11	2	13	73.3	1169		8.872053	
12	3	10	97.9	1156	1926	9.561784	
13	2	14	69.2	1685		10.024836	
14	2	8	75.9	1292		10.825171	
15	2	5	63.6	1214		11.659523	

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	7	80.4	1880	1737	0.424195	
1	3	17	99.5	1826	1676	0.713902	
2	1	9	54.6			1.469359	
3	3	13	53.1	1957	1247	2.091879	
4	3	9	90.7	1751	1434	2.848109	
5	1	19	86.2			3.454819	
6	1	18	84.7			4.107872	
7	2	7	71.3	1462		4.889269	
8	2	19	56.4	1875		5.653759	
9	3	13	68.8	1807	1283	6.302346	1
10	3	10	79.2	1988	1427	6.716816	
11	3	7	87	1682	1104	7.065921	
12	1	16	60.4			8.014897	
13	2	19	94.5	1716		8.821092	
14	2	14	63.2	1104		8.958838	
15	2	11	93.1	1685		9.883542	
16	2	19	54.9	1585		10.132308	
17	2	12	85.8	1642		11.30028	
18	3	8	59.8	1254	1840	11.637643	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	85.8	1809		1.084083	
1	1	17	83.6			1.318422	
2	3	15	74	1140	1511	2.484435	
3	1	12	90.3			4.349623	
4	2	10	97.3	1229		5.501998	
5	2	10	54.6	1305		6.794476	1
6	1	18	80.2			7.823591	
7	3	16	70.8	1324	1155	8.470878	
8	3	9	83.3	1175	1596	9.932402	
9	2	7	86.8	1181		11.828549	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	59.5	1575		0.178982	
1	1	19	94			1.083501	
2	3	13	93.6	1993	1185	1.652101	
3	2	9	69.9	1381		2.130705	
4	1	8	99.4			3.024512	
5	3	13	93.8	1923	1391	3.620368	
6	1	6	88.1			4.014568	
7	1	15	81.3			4.589946	
8	3	12	67	1727	1906	5.543397	
9	3	19	85.9	1658	1353	5.770712	1
10	2	17	70.5	1673		6.825628	
11	2	19	54.5	1096		7.359648	
12	2	12	70.4	1098		7.749951	
13	2	8	67.8	1111		8.451553	
14	2	6	72.2	1634		9.202925	
15	2	14	88.3	1030		9.499366	
16	2	11	54.6	1783		10.721032	
17	3	10	74.4	1412	1864	10.88948	
18	2	11	97.5	1536		11.75656	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	78.1			0.206275	1
1	2	6	55.9	1485		0.872775	
2	2	14	73.6	1990		1.715041	
3	3	11	53.1	1593	1329	2.43468	
4	2	20	98.2	1871		2.789087	
5	2	9	61.4	1841		3.51552	
6	3	13	52.5	1653	1271	4.022485	
7	1	11	77.8			4.999167	
8	2	14	52	1188		5.560007	
9	3	20	53.7	1262	1300	6.39245	
10	2	12	64.2	1010		7.078557	
11	2	19	58	1025		7.814826	
12	2	16	75.9	1323		8.128431	
13	2	6	92.4	1923		8.870017	
14	1	12	63			9.58395	
15	1	16	66.5			10.633095	
16	2	8	62.8	1905		10.813722	
17	2	15	63.6	1508		11.539848	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	79.3			0.613784	1
1	2	18	54.4	1074		1.126327	
2	3	12	84.6	1430	1130	1.707859	
3	3	7	73.2	1734	1662	2.735395	
4	2	8	51.8	1770		3.321007	
5	2	16	93.2	1431		4.023965	
6	1	18	91.9			5.123455	
7	1	13	91.1			5.603674	
8	2	11	72.3	1372		6.95359	
9	2	8	78.1	1059		7.872196	
10	3	19	79	1124	1194	8.383088	
11	2	14	98.7	1467		8.854877	
12	2	15	95.7	1231		10.092385	
13	2	9	85.8	1581		10.83696	
14	2	15	87.4	1311		11.730924	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	98.6			0.0766	1
1	2	19	76.6	1568		1.772781	
2	1	13	97.1			2.439345	
3	2	10	75.8	1098		3.010388	
4	2	7	56.1	1049		4.809777	
5	2	18	80.3	1889		5.866518	
6	2	15	51.4	1648		6.89419	
7	3	15	96.5	1980	1596	7.469348	

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	18	66.1	1506		0.506176	1
1	2	8	82.8	1019		1.944312	
2	2	11	88.7	1577		3.463033	
3	2	12	99	1743		4.661333	
4	2	8	75.2	1642		6.715765	
5	2	11	56.9	1686		8.264694	
6	1	6	63.9			9.474539	
7	2	18	68.7	1689		11.981096	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	74.5	1861	1988	0.008694	1
1	3	6	58.5	1132	1998	1.201195	
2	3	19	61.4	1572	1650	1.575132	
3	3	13	50.5	1743	1075	2.489254	
4	3	18	62	1998	1670	3.002702	
5	2	10	65.7	1924		3.724571	
6	1	17	72.7			4.844766	
7	1	11	72.3			5.531798	
8	2	16	62.8	1314		5.759793	
9	2	19	66.1	1492		6.583704	
10	3	11	77.2	1409	1050	7.320844	
11	1	7	77.1			8.216339	
12	2	16	73.3	1355		9.022405	
13	3	8	80.2	1802	1605	9.51231	
14	1	20	51.8			10.088414	
15	3	13	76.1	1352	1318	10.81271	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	68.1	1323		0.47754	1
1	1	18	99.2			1.48635	
2	3	15	55.7	1361	1830	2.704255	
3	2	7	96.6	1807		3.251689	
4	2	6	82.5	1085		4.437229	
5	2	15	77.4	1262		5.372066	
6	2	15	77	1331		5.862318	
7	2	16	81	1145		6.75316	
8	3	5	90.2	1678	1931	8.132968	
9	1	16	70.5			9.172737	
10	3	6	79.2	1736	1298	9.322168	

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	13	69.9	1888		0.319304	
1	2	14	80.2	1794		1.282783	
2	2	7	50.3	1286		2.984341	
3	2	12	60	1714		3.360869	
4	2	7	58	1971		5.206771	
5	1	11	93.7			6.262488	1
6	2	17	67.4	1364		7.167284	
7	2	19	57.9	1058		8.716197	
8	2	7	91.9	1421		9.489259	
9	3	14	56.9	1290	1009	10.743171	
10	1	12	59.5			11.160537	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	94.3	1612	1048	0.37288	
1	2	6	82.2	1239		1.293894	
2	3	19	70.5	1527	1908	1.971188	
3	2	11	71.8	1399		2.630197	
4	2	13	64.1	1904		2.818754	
5	2	10	93.1	1393		3.616396	
6	2	15	61.6	1421		4.318992	
7	2	11	70.2	1056		5.278235	1
8	2	13	77.6	1485		5.630458	
9	3	11	60.7	1474	1652	6.363977	
10	1	15	67			7.145911	
11	1	18	55.7			7.565658	
12	1	17	87.3			8.12922	
13	2	15	87.3	1846		9.238527	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	91.5	1790	1250	0.02005	
1	2	18	76.1	1114		1.449166	
2	2	16	89.9	1729		2.130438	
3	1	13	99.6			3.2098	
4	2	20	60.5	1173		4.119006	
5	2	9	72.2	1290		4.860506	
6	1	13	53.7			6.386855	1
7	1	13	63.4			6.757217	
8	2	15	85.6	1172		7.491449	
9	2	10	91.4	1576		8.383946	
10	2	16	51.3	1446		9.593611	
11	2	10	64.6	1025		10.240023	
12	3	17	51.9	1586	1489	11.961598	

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	12	92.2	1427		0.138055	
1	3	10	78.5	1772	1771	1.559058	
2	2	13	70.2	1373		2.154573	
3	2	7	71.9	1888		2.706845	
4	2	14	66.5	1850		3.667949	0
5	1	8	58.2			4.508079	
6	1	13	67.9			5.98933	
7	3	18	63.1	1829	1552	6.286907	
8	3	16	70	1146	1149	7.452078	

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	6	56	1355		0.147283	1
1	1	9	88.5			1.012269	
2	1	7	79			1.981392	
3	2	18	69.9	1635		2.546078	
4	2	11	86	1657		3.007253	
5	3	13	90.4	1706	1355	3.941773	
6	2	10	74.6	1898		4.420081	
7	3	13	98.9	1033	1281	5.007232	
8	2	5	58.1	1332		5.447737	
9	1	11	63.3			6.187563	

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	67.4	1107		0.089748	1
1	2	15	53.9	1566		1.21059	
2	2	10	54.8	1524		2.373423	
3	1	13	80.6			3.560671	
4	2	16	81.6	1627		4.60875	
5	1	11	92.8			5.498867	
6	3	7	74.5	1567	1790	6.251894	
7	1	14	95.6			7.01755	
8	2	18	76.1	1530		8.706092	
9	2	19	85.8	1377		9.210474	
10	1	13	91.8			10.524812	
11	2	16	93.1	1848		11.059603	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	85.8	1345		0.257978	
1	2	9	64	1832		1.14467	
2	1	11	63.9			2.041764	
3	2	9	71.2	1713		2.955168	
4	2	5	93.6	1337		3.323669	
5	2	16	90.2	1606		3.817065	1
6	3	9	51.8	1819	1925	5.172701	
7	3	6	60.6	1385	1789	5.917907	
8	3	7	97.8	1241	1975	6.403742	
9	2	12	77.1	1725		6.843423	
10	2	15	83.8	1484		7.92018	
11	2	19	95.7	1443		8.839459	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	77.6	1192	1028	0.424932	
1	2	20	58.5	1552		0.745434	
2	1	12	80.4			1.320005	
3	1	13	61.5			2.166356	
4	2	19	79.6	1693		2.581583	
5	2	18	97.5	1172		3.251414	
6	1	14	69.5			3.922485	
7	1	20	53.9			4.774097	
8	2	10	51.7	1437		5.29928	1
9	2	6	72	1785		5.897232	
10	3	18	79.3	1103	1806	6.413553	
11	3	11	75.3	1148	1153	7.260136	
12	3	14	99.8	1163	1059	7.869069	
13	3	9	76.7	1349	1341	8.400204	
14	1	8	72.5			9.399711	
15	1	12	63.3			9.748132	
16	2	8	86.5	1438		10.365573	

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	8	64.4			0.198542	
1	2	19	94.3	1545		1.965732	
2	1	5	52.1			2.967366	
3	1	5	85.8			5.020737	
4	2	10	72.2	1901		5.553247	1
5	3	18	86.7	1739	1432	6.85874	
6	1	5	95.1			8.772788	
7	2	8	85.5	1845		9.486817	
8	1	18	85.8			11.743434	

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	12	56.1			0.037684	
1	1	20	57.2			0.944273	
2	1	6	76			1.778507	
3	2	18	81.5	1897		3.034246	
4	2	10	69	1149		3.403451	
5	1	11	90.1			4.542996	
6	2	6	55	1899		4.959915	1
7	1	18	84.5			6.088836	
8	2	15	90.2	1477		7.143937	
9	1	14	61.9			7.724563	
10	2	18	61.2	1088		8.625237	
11	2	5	70.9	1804		9.324959	
12	1	10	52.9			10.133462	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	69.8	1968		0.954803	
1	2	20	53.5	1457		2.038894	
2	2	18	68.9	1599		2.28939	
3	1	8	82.5			3.665512	
4	2	7	54.7	1417		4.897881	
5	3	15	61.7	1637	1997	6.087747	1
6	1	14	67.9			7.247191	
7	3	20	84.2	1275	1284	8.536019	
8	3	13	93.3	1567	1732	8.783026	
9	2	5	79.7	1787		10.871773	
10	2	15	73	1490		11.829215	

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	8	80.5	1912		0.511188	
1	3	16	81.9	1386	1824	0.844041	
2	3	6	96.3	1669	1868	1.268731	
3	2	12	65.1	1185		2.092562	
4	3	10	84.5	1249	1916	2.730701	
5	3	18	53.7	1246	1156	3.400897	
6	3	11	76.5	1892	1238	4.030338	
7	3	17	90.6	1442	1677	4.307431	1
8	3	19	96	1727	1082	5.076022	
9	2	9	97.6	1753		5.858739	
10	2	16	59.7	1375		6.174551	
11	2	14	96.7	1324		7.11277	
12	2	15	69.1	1946		7.24471	
13	2	19	77.4	1308		7.855921	

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	13	52.5	1351		0.031105	
1	3	13	58.8	1702	1181	1.202499	
2	3	8	79.9	1555	1450	2.346645	
3	2	15	65.3	1479		3.167548	
4	2	12	53.4	1420		3.73913	
5	2	8	75.9	1436		4.140404	
6	3	13	73.3	1537	1752	5.106843	
7	3	13	50.7	1455	1750	6.134277	1
8	1	9	99.7			6.498362	
9	2	19	79.5	1805		7.454006	
10	3	11	73.5	1452	1592	8.405558	
11	2	19	60.6	1048		9.560545	
12	3	13	90.4	1386	1064	10.0262	
13	2	12	71.4	1036		10.656992	
14	1	11	99.3			11.642743	

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	100	1312		0.373204	
1	3	8	99.3	1977	1769	1.274059	
2	2	14	53.6	1058		2.041761	
3	3	8	92	1236	1685	2.443057	
4	2	11	90.4	1084		3.521276	
5	3	18	64.5	1181	1883	4.393886	
6	1	16	75.9			5.397884	
7	2	18	58.6	1578		6.147252	1
8	3	5	79.4	1524	1461	6.95577	
9	2	18	90.2	1057		7.821358	
10	2	6	64.6	1933		8.299087	
11	2	10	76.3	1229		8.818447	
12	2	11	55	1619		10.145737	
13	2	7	67.8	1098		10.945461	
14	2	16	63.8	1314		11.81683	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	58			0.738307	
1	1	16	66.6			1.015577	
2	2	10	94.2	1419		1.7308	
3	3	8	82.5	1844	1348	2.292364	
4	3	6	69.5	1716	1303	3.627826	
5	3	6	98.6	1207	1917	4.249637	
6	3	20	85.9	1994	1992	5.172744	1
7	2	15	93.8	1926		5.574935	
8	2	6	95.2	1334		6.733044	
9	2	9	97	1938		7.397173	
10	2	17	69.3	1939		7.742453	
11	2	12	79.4	1989		8.409348	
12	2	13	78.1	1317		9.280278	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	62.4			0.30703	
1	2	18	54.2	1809		1.047861	
2	1	19	54.6			2.50517	
3	2	14	98.9	1793		3.821571	
4	2	7	84.9	1017		4.706304	
5	2	7	88.9	1339		5.19732	
6	1	14	58.4			6.239602	1
7	3	15	91	1981	1524	7.464652	
8	3	9	58.1	1905	1517	8.920741	
9	2	13	72.3	1522		9.422829	
10	2	11	80.3	1310		10.102299	
11	1	18	67.7			11.854629	

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	55.2	1028		0.971725	
1	1	10	70.4			1.492223	
2	1	16	67.5			3.539797	
3	1	8	64.8			4.196755	
4	2	6	88	1714		5.675252	1
5	2	6	93.5	1993		7.01948	
6	2	18	84.7	1747		8.38	
7	3	20	71.4	1178	1666	10.402858	
8	1	6	88.2			11.005145	

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	83.4	1278		0.62664	
1	3	19	74.8	1106	1059	1.672441	
2	1	6	73.2			2.472254	
3	1	10	65.9			3.049301	
4	1	13	61.6			4.363162	
5	1	9	83.6			4.728005	
6	3	14	70	1290	1079	6.175465	1
7	3	18	91.2	1101	1885	6.706482	
8	1	16	75.4			8.246445	
9	1	15	65.3			8.949181	
10	1	7	69			9.262896	
11	3	6	53.8	1563	1201	10.411632	
12	2	20	52.8	1363		11.677363	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	89.9	1651	1966	0.333997	
1	3	16	61.9	1325	1580	1.074029	
2	1	16	57.8			2.1825	
3	3	14	60.1	1424	1957	2.803799	
4	3	10	97.2	1185	1913	3.378463	
5	2	8	94.4	1771		4.408469	
6	3	13	58.8	1633	1019	5.484529	
7	3	12	56.1	1497	1964	6.290729	1
8	2	11	86.8	1071		6.626941	
9	3	5	75.8	1304	1943	7.636846	
10	3	14	53.7	1980	1821	8.522517	
11	1	12	89.2			9.520234	
12	2	11	81	1148		10.389113	
13	2	17	85.1	1951		11.107836	
14	1	9	65.2			11.366102	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	97	1062	1989	0.210993	
1	2	14	60.9	1555		1.409161	
2	1	5	67.4			2.451633	
3	2	18	78.1	1294		3.052371	
4	2	17	52.7	1074		4.655488	
5	2	11	71.5	1343		5.974918	
6	2	20	94.2	1917		6.849636	1
7	1	18	52.7			7.009091	
8	2	6	56.9	1289		8.557437	
9	3	13	86.3	1920	1973	9.936912	
10	1	9	67.4			10.069686	
11	2	8	97.2	1684		11.243941	

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	5580	9	1	333	1	5380.0, 5268.0, 5552.0, 5669.0, 5356.0, 5554.0, 5435.0, 5346.0, 5401.0, 5586.0, 5549.0, 5537.0, 5506.0, 5259.0, 5488.0, 5283.0, 5560.0, 5650.0, 5664.0, 5345.0, 5441.0, 5640.0, 5453.0, 5430.0, 5295.0, 5636.0, 5528.0, 5634.0, 5568.0, 5573.0, 5645.0, 5558.0, 5701.0, 5588.0, 5358.0, 5368.0, 5393.0, 5339.0, 5576.0, 5681.0, 5683.0, 5709.0, 5383.0, 5371.0, 5702.0, 5298.0, 5263.0, 5690.0, 5561.0, 5411.0, 5594.0, 5398.0, 5666.0, 5657.0, 5410.0, 5349.0, 5712.0, 5315.0, 5584.0, 5389.0, 5278.0, 5303.0, 5608.0, 5404.0, 5547.0, 5459.0, 5498.0, 5261.0, 5614.0, 5360.0, 5684.0, 5479.0, 5693.0, 5521.0, 5516.0, 5688.0, 5426.0, 5477.0, 5633.0, 5475.0, 5692.0, 5433.0, 5445.0, 5541.0, 5400.0, 5509.0, 5270.0, 5406.0, 5373.0, 5611.0, 5466.0, 5471.0, 5350.0, 5508.0, 5533.0, 5376.0, 5482.0, 5282.0, 5419.0, 5308.0 (number of hits: 5)
2	5580	9	1	333	1	5337.0, 5496.0, 5644.0, 5588.0, 5395.0, 5258.0, 5445.0, 5456.0, 5720.0, 5723.0, 5460.0, 5264.0, 5444.0, 5576.0, 5600.0, 5273.0, 5567.0, 5479.0, 5563.0, 5695.0, 5314.0, 5555.0, 5585.0, 5516.0, 5347.0, 5428.0, 5401.0, 5716.0, 5468.0, 5387.0, 5554.0, 5651.0, 5584.0, 5625.0, 5442.0, 5713.0, 5620.0, 5611.0, 5547.0, 5700.0, 5613.0, 5472.0, 5255.0, 5519.0, 5705.0, 5394.0, 5596.0, 5628.0, 5391.0, 5694.0, 5379.0, 5710.0, 5399.0, 5282.0, 5440.0, 5381.0, 5372.0, 5470.0, 5614.0, 5682.0, 5366.0, 5338.0, 5642.0, 5383.0, 5478.0, 5435.0, 5647.0, 5369.0, 5653.0, 5446.0, 5430.0, 5345.0, 5275.0, 5418.0, 5696.0, 5254.0, 5280.0, 5510.0, 5619.0, 5517.0, 5648.0, 5683.0, 5474.0, 5310.0, 5660.0, 5544.0, 5267.0, 5483.0, 5304.0, 5564.0, 5368.0, 5449.0, 5561.0, 5253.0, 5689.0, 5281.0, 5640.0, 5672.0, 5645.0, 5412.0 (number of hits: 4)
3	5580	9	1	333	1	5544.0, 5685.0, 5452.0, 5724.0, 5590.0, 5390.0, 5571.0, 5689.0, 5541.0, 5321.0, 5717.0, 5693.0, 5719.0, 5707.0, 5507.0, 5257.0, 5396.0, 5402.0, 5327.0, 5284.0, 5431.0, 5316.0, 5558.0, 5393.0, 5720.0, 5356.0, 5631.0, 5329.0, 5342.0, 5416.0, 5375.0, 5598.0, 5372.0, 5391.0, 5371.0, 5684.0, 5622.0, 5675.0, 5563.0, 5520.0, 5526.0, 5607.0, 5550.0, 5410.0, 5446.0, 5252.0, 5350.0, 5412.0, 5422.0, 5585.0, 5625.0, 5506.0, 5695.0, 5395.0, 5517.0, 5384.0, 5315.0, 5557.0, 5432.0, 5487.0,

						5347.0, 5678.0, 5708.0, 5435.0, 5360.0, 5267.0, 5667.0, 5547.0, 5613.0, 5579.0, 5537.0, 5556.0, 5281.0, 5266.0, 5515.0, 5500.0, 5306.0, 5331.0, 5641.0, 5449.0, 5389.0, 5258.0, 5605.0, 5548.0, 5711.0, 5498.0, 5457.0, 5380.0, 5635.0, 5531.0, 5536.0, 5477.0, 5660.0, 5511.0, 5420.0, 5652.0, 5338.0, 5273.0, 5501.0, 5677.0 (number of hits: 3)
4	5580	9	1	333	1	5585.0, 5696.0, 5687.0, 5493.0, 5550.0, 5546.0, 5598.0, 5655.0, 5609.0, 5402.0, 5474.0, 5673.0, 5393.0, 5408.0, 5590.0, 5268.0, 5486.0, 5483.0, 5350.0, 5625.0, 5712.0, 5693.0, 5706.0, 5661.0, 5299.0, 5553.0, 5548.0, 5427.0, 5363.0, 5482.0, 5459.0, 5267.0, 5517.0, 5272.0, 5449.0, 5516.0, 5560.0, 5284.0, 5621.0, 5443.0, 5677.0, 5461.0, 5688.0, 5577.0, 5341.0, 5670.0, 5683.0, 5718.0, 5672.0, 5362.0, 5289.0, 5303.0, 5302.0, 5595.0, 5414.0, 5417.0, 5551.0, 5716.0, 5663.0, 5571.0, 5378.0, 5503.0, 5346.0, 5613.0, 5278.0, 5324.0, 5526.0, 5566.0, 5469.0, 5429.0, 5676.0, 5451.0, 5390.0, 5255.0, 5264.0, 5313.0, 5650.0, 5697.0, 5276.0, 5568.0, 5561.0, 5442.0, 5668.0, 5558.0, 5713.0, 5532.0, 5356.0, 5358.0, 5275.0, 5347.0, 5478.0, 5554.0, 5684.0, 5645.0, 5652.0, 5587.0, 5301.0, 5397.0, 5669.0, 5448.0 (number of hits: 4)
5	5580	9	1	333	1	5486.0, 5466.0, 5541.0, 5700.0, 5607.0, 5636.0, 5342.0, 5516.0, 5569.0, 5605.0, 5335.0, 5379.0, 5716.0, 5609.0, 5470.0, 5644.0, 5360.0, 5395.0, 5590.0, 5536.0, 5587.0, 5305.0, 5418.0, 5504.0, 5383.0, 5364.0, 5392.0, 5627.0, 5436.0, 5475.0, 5387.0, 5646.0, 5509.0, 5683.0, 5266.0, 5494.0, 5274.0, 5599.0, 5691.0, 5712.0, 5635.0, 5560.0, 5322.0, 5459.0, 5512.0, 5393.0, 5508.0, 5622.0, 5414.0, 5291.0, 5357.0, 5707.0, 5518.0, 5389.0, 5312.0, 5660.0, 5394.0, 5537.0, 5299.0, 5345.0, 5589.0, 5430.0, 5520.0, 5496.0, 5528.0, 5341.0, 5612.0, 5628.0, 5603.0, 5448.0, 5406.0, 5597.0, 5439.0, 5347.0, 5355.0, 5501.0, 5256.0, 5664.0, 5447.0, 5649.0, 5673.0, 5413.0, 5429.0, 5272.0, 5368.0, 5647.0, 5694.0, 5685.0, 5510.0, 5522.0, 5672.0, 5255.0, 5523.0, 5460.0, 5714.0, 5661.0, 5478.0, 5543.0, 5659.0, 5695.0 (number of hits: 2)
6	5580	9	1	333	1	5489.0, 5524.0, 5628.0, 5465.0, 5405.0, 5603.0, 5531.0, 5665.0, 5491.0, 5656.0, 5485.0, 5349.0, 5275.0, 5478.0, 5368.0, 5285.0, 5404.0, 5661.0, 5410.0, 5482.0, 5576.0, 5651.0, 5302.0, 5698.0, 5552.0, 5327.0, 5503.0, 5401.0, 5295.0, 5287.0, 5345.0, 5308.0, 5673.0, 5658.0, 5362.0, 5255.0, 5386.0, 5546.0, 5473.0, 5480.0,

						5537.0, 5620.0, 5536.0, 5476.0, 5467.0, 5615.0, 5455.0, 5355.0, 5639.0, 5655.0, 5321.0, 5601.0, 5507.0, 5534.0, 5419.0, 5407.0, 5354.0, 5719.0, 5682.0, 5344.0, 5265.0, 5350.0, 5595.0, 5492.0, 5425.0, 5689.0, 5627.0, 5347.0, 5406.0, 5388.0, 5389.0, 5502.0, 5379.0, 5644.0, 5684.0, 5375.0, 5395.0, 5517.0, 5604.0, 5433.0, 5705.0, 5484.0, 5447.0, 5383.0, 5303.0, 5538.0, 5286.0, 5550.0, 5612.0, 5442.0, 5646.0, 5703.0, 5527.0, 5312.0, 5431.0, 5449.0, 5481.0, 5335.0, 5257.0, 5399.0 (number of hits: 1)
7	5580	9	1	333	1	5656.0, 5720.0, 5546.0, 5683.0, 5295.0, 5543.0, 5689.0, 5400.0, 5667.0, 5280.0, 5619.0, 5622.0, 5374.0, 5353.0, 5316.0, 5314.0, 5582.0, 5713.0, 5262.0, 5532.0, 5508.0, 5313.0, 5618.0, 5522.0, 5252.0, 5599.0, 5490.0, 5539.0, 5416.0, 5594.0, 5308.0, 5311.0, 5354.0, 5491.0, 5437.0, 5357.0, 5708.0, 5631.0, 5379.0, 5322.0, 5456.0, 5662.0, 5588.0, 5674.0, 5587.0, 5309.0, 5441.0, 5288.0, 5376.0, 5635.0, 5270.0, 5278.0, 5425.0, 5497.0, 5529.0, 5250.0, 5356.0, 5590.0, 5717.0, 5450.0, 5299.0, 5282.0, 5389.0, 5625.0, 5649.0, 5516.0, 5428.0, 5607.0, 5655.0, 5537.0, 5443.0, 5557.0, 5693.0, 5570.0, 5549.0, 5535.0, 5453.0, 5603.0, 5393.0, 5290.0, 5673.0, 5670.0, 5273.0, 5565.0, 5651.0, 5352.0, 5342.0, 5687.0, 5358.0, 5392.0, 5718.0, 5360.0, 5676.0, 5698.0, 5263.0, 5659.0, 5474.0, 5681.0, 5388.0, 5650.0 (number of hits: 4)
8	5580	9	1	333	1	5258.0, 5352.0, 5359.0, 5701.0, 5480.0, 5402.0, 5719.0, 5461.0, 5263.0, 5470.0, 5392.0, 5408.0, 5370.0, 5262.0, 5532.0, 5589.0, 5460.0, 5361.0, 5356.0, 5669.0, 5407.0, 5499.0, 5425.0, 5607.0, 5619.0, 5618.0, 5696.0, 5484.0, 5698.0, 5338.0, 5391.0, 5511.0, 5561.0, 5501.0, 5647.0, 5439.0, 5512.0, 5602.0, 5266.0, 5369.0, 5569.0, 5615.0, 5604.0, 5453.0, 5636.0, 5505.0, 5481.0, 5520.0, 5515.0, 5633.0, 5595.0, 5605.0, 5527.0, 5609.0, 5443.0, 5276.0, 5341.0, 5397.0, 5524.0, 5450.0, 5317.0, 5645.0, 5331.0, 5380.0, 5350.0, 5268.0, 5434.0, 5556.0, 5302.0, 5294.0, 5547.0, 5661.0, 5617.0, 5433.0, 5322.0, 5513.0, 5680.0, 5689.0, 5612.0, 5394.0, 5473.0, 5710.0, 5357.0, 5403.0, 5311.0, 5546.0, 5316.0, 5378.0, 5655.0, 5255.0, 5662.0, 5296.0, 5700.0, 5410.0, 5651.0, 5283.0, 5467.0, 5577.0, 5492.0, 5454.0 (number of hits: 2)
9	5580	9	1	333	1	5700.0, 5502.0, 5395.0, 5669.0, 5472.0, 5306.0, 5397.0, 5680.0, 5609.0, 5652.0, 5471.0, 5548.0, 5363.0, 5696.0, 5381.0, 5378.0, 5576.0, 5302.0, 5510.0, 5513.0,

						5547.0, 5333.0, 5499.0, 5463.0, 5699.0, 5625.0, 5594.0, 5721.0, 5585.0, 5501.0, 5379.0, 5450.0, 5575.0, 5313.0, 5491.0, 5599.0, 5572.0, 5519.0, 5375.0, 5672.0, 5331.0, 5346.0, 5503.0, 5358.0, 5264.0, 5636.0, 5667.0, 5288.0, 5654.0, 5593.0, 5508.0, 5512.0, 5590.0, 5282.0, 5329.0, 5290.0, 5494.0, 5495.0, 5364.0, 5356.0, 5296.0, 5718.0, 5509.0, 5434.0, 5657.0, 5286.0, 5613.0, 5308.0, 5476.0, 5252.0, 5466.0, 5705.0, 5619.0, 5455.0, 5256.0, 5703.0, 5291.0, 5309.0, 5323.0, 5587.0, 5432.0, 5637.0, 5297.0, 5270.0, 5533.0, 5255.0, 5419.0, 5318.0, 5442.0, 5376.0, 5454.0, 5697.0, 5716.0, 5588.0, 5374.0, 5339.0, 5639.0, 5645.0, 5516.0, 5681.0 (number of hits: 6)
10	5580	9	1	333	1	5315.0, 5516.0, 5657.0, 5415.0, 5276.0, 5308.0, 5268.0, 5326.0, 5565.0, 5534.0, 5485.0, 5255.0, 5379.0, 5303.0, 5400.0, 5652.0, 5306.0, 5397.0, 5436.0, 5286.0, 5546.0, 5417.0, 5282.0, 5304.0, 5706.0, 5283.0, 5635.0, 5414.0, 5669.0, 5550.0, 5603.0, 5592.0, 5363.0, 5484.0, 5585.0, 5280.0, 5251.0, 5702.0, 5459.0, 5501.0, 5435.0, 5704.0, 5378.0, 5350.0, 5404.0, 5523.0, 5393.0, 5569.0, 5506.0, 5549.0, 5588.0, 5675.0, 5319.0, 5270.0, 5533.0, 5583.0, 5387.0, 5649.0, 5636.0, 5580.0, 5647.0, 5668.0, 5373.0, 5658.0, 5448.0, 5697.0, 5645.0, 5342.0, 5274.0, 5479.0, 5667.0, 5591.0, 5450.0, 5262.0, 5351.0, 5427.0, 5611.0, 5472.0, 5508.0, 5707.0, 5612.0, 5471.0, 5297.0, 5708.0, 5648.0, 5681.0, 5528.0, 5542.0, 5294.0, 5482.0, 5429.0, 5380.0, 5349.0, 5384.0, 5678.0, 5469.0, 5526.0, 5531.0, 5298.0, 5443.0 (number of hits: 4)
11	5580	9	1	333	1	5381.0, 5422.0, 5327.0, 5452.0, 5562.0, 5568.0, 5631.0, 5546.0, 5341.0, 5472.0, 5618.0, 5316.0, 5369.0, 5564.0, 5270.0, 5322.0, 5254.0, 5678.0, 5661.0, 5333.0, 5541.0, 5695.0, 5497.0, 5386.0, 5498.0, 5364.0, 5295.0, 5352.0, 5374.0, 5426.0, 5605.0, 5552.0, 5394.0, 5320.0, 5403.0, 5585.0, 5346.0, 5358.0, 5719.0, 5453.0, 5676.0, 5264.0, 5269.0, 5595.0, 5626.0, 5577.0, 5506.0, 5401.0, 5397.0, 5544.0, 5420.0, 5594.0, 5439.0, 5479.0, 5698.0, 5598.0, 5285.0, 5522.0, 5601.0, 5493.0, 5484.0, 5664.0, 5628.0, 5430.0, 5425.0, 5612.0, 5351.0, 5560.0, 5716.0, 5639.0, 5278.0, 5648.0, 5319.0, 5362.0, 5301.0, 5717.0, 5517.0, 5466.0, 5309.0, 5377.0, 5329.0, 5572.0, 5496.0, 5697.0, 5682.0, 5355.0, 5286.0, 5268.0, 5714.0, 5511.0, 5711.0, 5712.0, 5390.0, 5535.0, 5443.0, 5621.0, 5303.0, 5611.0, 5389.0, 5292.0 (number of hits: 3)

12	5580	9	1	333	1	5634.0, 5278.0, 5428.0, 5257.0, 5455.0, 5396.0, 5331.0, 5445.0, 5577.0, 5684.0, 5483.0, 5495.0, 5616.0, 5309.0, 5641.0, 5447.0, 5642.0, 5699.0, 5302.0, 5467.0, 5574.0, 5508.0, 5646.0, 5516.0, 5378.0, 5338.0, 5553.0, 5405.0, 5340.0, 5307.0, 5540.0, 5570.0, 5583.0, 5335.0, 5423.0, 5471.0, 5266.0, 5379.0, 5662.0, 5668.0, 5613.0, 5327.0, 5529.0, 5350.0, 5251.0, 5678.0, 5489.0, 5343.0, 5416.0, 5702.0, 5561.0, 5560.0, 5506.0, 5655.0, 5543.0, 5259.0, 5633.0, 5304.0, 5520.0, 5645.0, 5697.0, 5692.0, 5300.0, 5515.0, 5680.0, 5355.0, 5404.0, 5531.0, 5549.0, 5434.0, 5411.0, 5287.0, 5705.0, 5449.0, 5480.0, 5353.0, 5624.0, 5475.0, 5712.0, 5325.0, 5586.0, 5618.0, 5607.0, 5710.0, 5671.0, 5308.0, 5715.0, 5456.0, 5701.0, 5419.0, 5666.0, 5695.0, 5377.0, 5519.0, 5493.0, 5691.0, 5354.0, 5464.0, 5382.0, 5299.0 (number of hits: 5)
13	5580	9	1	333	1	5257.0, 5702.0, 5610.0, 5535.0, 5704.0, 5539.0, 5329.0, 5376.0, 5472.0, 5385.0, 5427.0, 5446.0, 5343.0, 5387.0, 5715.0, 5466.0, 5559.0, 5407.0, 5356.0, 5390.0, 5617.0, 5643.0, 5426.0, 5622.0, 5669.0, 5332.0, 5666.0, 5529.0, 5455.0, 5552.0, 5272.0, 5475.0, 5344.0, 5563.0, 5437.0, 5538.0, 5473.0, 5412.0, 5572.0, 5656.0, 5280.0, 5320.0, 5457.0, 5298.0, 5417.0, 5467.0, 5375.0, 5595.0, 5671.0, 5575.0, 5581.0, 5574.0, 5542.0, 5641.0, 5705.0, 5672.0, 5442.0, 5392.0, 5678.0, 5347.0, 5453.0, 5511.0, 5337.0, 5515.0, 5255.0, 5494.0, 5425.0, 5303.0, 5670.0, 5513.0, 5445.0, 5341.0, 5588.0, 5492.0, 5536.0, 5697.0, 5627.0, 5661.0, 5434.0, 5269.0, 5543.0, 5667.0, 5612.0, 5336.0, 5335.0, 5663.0, 5441.0, 5721.0, 5679.0, 5481.0, 5334.0, 5604.0, 5405.0, 5310.0, 5541.0, 5294.0, 5590.0, 5414.0, 5367.0, 5603.0 (number of hits: 5)
14	5580	9	1	333	1	5505.0, 5507.0, 5721.0, 5578.0, 5694.0, 5518.0, 5257.0, 5261.0, 5623.0, 5700.0, 5702.0, 5388.0, 5679.0, 5666.0, 5621.0, 5583.0, 5614.0, 5326.0, 5617.0, 5553.0, 5335.0, 5683.0, 5461.0, 5698.0, 5714.0, 5668.0, 5432.0, 5597.0, 5270.0, 5718.0, 5387.0, 5641.0, 5478.0, 5301.0, 5451.0, 5441.0, 5684.0, 5706.0, 5260.0, 5436.0, 5305.0, 5288.0, 5319.0, 5538.0, 5322.0, 5279.0, 5696.0, 5471.0, 5449.0, 5251.0, 5320.0, 5676.0, 5558.0, 5631.0, 5486.0, 5649.0, 5568.0, 5572.0, 5660.0, 5318.0, 5659.0, 5428.0, 5378.0, 5504.0, 5264.0, 5327.0, 5342.0, 5385.0, 5289.0, 5530.0, 5484.0, 5637.0, 5554.0, 5293.0, 5360.0, 5361.0, 5256.0, 5685.0, 5253.0, 5602.0, 5417.0, 5341.0, 5274.0, 5276.0, 5716.0,

						5620.0, 5632.0, 5655.0, 5681.0, 5371.0, 5356.0, 5311.0, 5719.0, 5550.0, 5391.0, 5697.0, 5452.0, 5339.0, 5377.0, 5633.0 (number of hits: 3)
15	5580	9	1	333	1	5300.0, 5693.0, 5549.0, 5326.0, 5254.0, 5546.0, 5516.0, 5657.0, 5682.0, 5545.0, 5268.0, 5551.0, 5621.0, 5646.0, 5421.0, 5711.0, 5576.0, 5684.0, 5288.0, 5360.0, 5294.0, 5537.0, 5518.0, 5345.0, 5688.0, 5341.0, 5394.0, 5652.0, 5535.0, 5613.0, 5438.0, 5343.0, 5524.0, 5468.0, 5448.0, 5703.0, 5483.0, 5592.0, 5317.0, 5366.0, 5569.0, 5556.0, 5550.0, 5648.0, 5561.0, 5572.0, 5399.0, 5500.0, 5582.0, 5628.0, 5407.0, 5661.0, 5540.0, 5274.0, 5510.0, 5686.0, 5667.0, 5364.0, 5289.0, 5419.0, 5653.0, 5449.0, 5719.0, 5426.0, 5430.0, 5405.0, 5532.0, 5408.0, 5367.0, 5724.0, 5623.0, 5454.0, 5554.0, 5595.0, 5456.0, 5541.0, 5538.0, 5391.0, 5507.0, 5521.0, 5495.0, 5577.0, 5573.0, 5681.0, 5251.0, 5334.0, 5581.0, 5476.0, 5505.0, 5450.0, 5544.0, 5547.0, 5666.0, 5337.0, 5410.0, 5386.0, 5356.0, 5492.0, 5463.0, 5609.0 (number of hits: 6)
16	5580	9	1	333	1	5450.0, 5598.0, 5514.0, 5422.0, 5493.0, 5318.0, 5435.0, 5330.0, 5632.0, 5284.0, 5528.0, 5705.0, 5451.0, 5491.0, 5300.0, 5357.0, 5523.0, 5560.0, 5640.0, 5316.0, 5502.0, 5418.0, 5360.0, 5682.0, 5382.0, 5411.0, 5656.0, 5526.0, 5469.0, 5293.0, 5519.0, 5269.0, 5599.0, 5363.0, 5533.0, 5423.0, 5694.0, 5462.0, 5667.0, 5497.0, 5716.0, 5561.0, 5627.0, 5483.0, 5424.0, 5654.0, 5304.0, 5387.0, 5541.0, 5257.0, 5710.0, 5251.0, 5570.0, 5677.0, 5432.0, 5338.0, 5602.0, 5456.0, 5265.0, 5565.0, 5556.0, 5658.0, 5691.0, 5344.0, 5322.0, 5699.0, 5666.0, 5582.0, 5712.0, 5704.0, 5508.0, 5696.0, 5437.0, 5510.0, 5520.0, 5559.0, 5315.0, 5328.0, 5487.0, 5583.0, 5550.0, 5553.0, 5448.0, 5578.0, 5285.0, 5685.0, 5320.0, 5617.0, 5310.0, 5639.0, 5669.0, 5671.0, 5473.0, 5558.0, 5346.0, 5566.0, 5554.0, 5597.0, 5517.0, 5431.0 (number of hits: 4)
17	5580	9	1	333	1	5495.0, 5280.0, 5455.0, 5502.0, 5296.0, 5264.0, 5481.0, 5459.0, 5447.0, 5331.0, 5707.0, 5533.0, 5277.0, 5551.0, 5471.0, 5539.0, 5509.0, 5352.0, 5474.0, 5362.0, 5548.0, 5332.0, 5608.0, 5565.0, 5610.0, 5288.0, 5270.0, 5385.0, 5269.0, 5254.0, 5410.0, 5393.0, 5659.0, 5656.0, 5621.0, 5557.0, 5585.0, 5287.0, 5453.0, 5572.0, 5599.0, 5493.0, 5560.0, 5342.0, 5625.0, 5592.0, 5643.0, 5431.0, 5390.0, 5366.0, 5513.0, 5690.0, 5263.0, 5466.0, 5472.0, 5722.0, 5284.0, 5267.0, 5637.0, 5713.0, 5359.0, 5407.0, 5651.0, 5712.0, 5259.0,

						5405.0, 5674.0, 5440.0, 5645.0, 5281.0, 5543.0, 5396.0, 5334.0, 5504.0, 5355.0, 5571.0, 5723.0, 5542.0, 5271.0, 5265.0, 5411.0, 5367.0, 5329.0, 5392.0, 5344.0, 5581.0, 5663.0, 5525.0, 5655.0, 5433.0, 5475.0, 5400.0, 5361.0, 5491.0, 5494.0, 5256.0, 5622.0, 5335.0, 5470.0, 5597.0 (number of hits: 4)
18	5580	9	1	333	1	5390.0, 5404.0, 5347.0, 5330.0, 5257.0, 5667.0, 5449.0, 5392.0, 5696.0, 5252.0, 5678.0, 5479.0, 5698.0, 5587.0, 5714.0, 5711.0, 5685.0, 5624.0, 5502.0, 5590.0, 5460.0, 5686.0, 5258.0, 5305.0, 5379.0, 5291.0, 5512.0, 5689.0, 5446.0, 5351.0, 5412.0, 5641.0, 5581.0, 5377.0, 5430.0, 5448.0, 5255.0, 5523.0, 5566.0, 5465.0, 5427.0, 5340.0, 5332.0, 5406.0, 5331.0, 5251.0, 5549.0, 5463.0, 5416.0, 5529.0, 5473.0, 5365.0, 5682.0, 5665.0, 5634.0, 5547.0, 5707.0, 5426.0, 5562.0, 5323.0, 5723.0, 5499.0, 5524.0, 5666.0, 5391.0, 5558.0, 5582.0, 5605.0, 5573.0, 5606.0, 5484.0, 5290.0, 5684.0, 5637.0, 5302.0, 5541.0, 5649.0, 5608.0, 5571.0, 5679.0, 5261.0, 5265.0, 5254.0, 5280.0, 5595.0, 5673.0, 5264.0, 5407.0, 5535.0, 5660.0, 5617.0, 5716.0, 5322.0, 5681.0, 5645.0, 5583.0, 5717.0, 5706.0, 5604.0, 5401.0 (number of hits: 6)
19	5580	9	1	333	1	5378.0, 5299.0, 5559.0, 5669.0, 5444.0, 5400.0, 5721.0, 5677.0, 5689.0, 5410.0, 5589.0, 5531.0, 5269.0, 5361.0, 5496.0, 5483.0, 5660.0, 5555.0, 5401.0, 5526.0, 5656.0, 5505.0, 5341.0, 5680.0, 5597.0, 5585.0, 5370.0, 5463.0, 5497.0, 5454.0, 5534.0, 5632.0, 5394.0, 5558.0, 5327.0, 5379.0, 5326.0, 5627.0, 5606.0, 5380.0, 5321.0, 5490.0, 5395.0, 5313.0, 5698.0, 5613.0, 5340.0, 5616.0, 5644.0, 5717.0, 5280.0, 5674.0, 5476.0, 5360.0, 5665.0, 5358.0, 5635.0, 5452.0, 5662.0, 5720.0, 5479.0, 5254.0, 5547.0, 5375.0, 5271.0, 5564.0, 5722.0, 5332.0, 5374.0, 5423.0, 5387.0, 5473.0, 5312.0, 5466.0, 5284.0, 5541.0, 5289.0, 5539.0, 5349.0, 5628.0, 5544.0, 5319.0, 5530.0, 5491.0, 5623.0, 5274.0, 5560.0, 5414.0, 5548.0, 5421.0, 5605.0, 5716.0, 5617.0, 5577.0, 5402.0, 5474.0, 5478.0, 5583.0, 5520.0, 5708.0 (number of hits: 4)
20	5580	9	1	333	1	5692.0, 5533.0, 5338.0, 5414.0, 5272.0, 5355.0, 5718.0, 5415.0, 5300.0, 5309.0, 5348.0, 5598.0, 5555.0, 5397.0, 5295.0, 5500.0, 5281.0, 5561.0, 5398.0, 5531.0, 5297.0, 5675.0, 5347.0, 5633.0, 5332.0, 5551.0, 5579.0, 5640.0, 5401.0, 5252.0, 5396.0, 5326.0, 5339.0, 5344.0, 5512.0, 5393.0, 5657.0, 5721.0, 5366.0, 5547.0, 5412.0, 5505.0, 5391.0, 5714.0, 5478.0,

						5685.0, 5570.0, 5537.0, 5648.0, 5694.0, 5502.0, 5607.0, 5495.0, 5256.0, 5257.0, 5487.0, 5601.0, 5287.0, 5680.0, 5651.0, 5562.0, 5411.0, 5661.0, 5407.0, 5445.0, 5442.0, 5467.0, 5659.0, 5517.0, 5720.0, 5690.0, 5485.0, 5413.0, 5361.0, 5383.0, 5575.0, 5560.0, 5439.0, 5317.0, 5583.0, 5436.0, 5558.0, 5490.0, 5511.0, 5645.0, 5447.0, 5723.0, 5385.0, 5379.0, 5649.0, 5554.0, 5378.0, 5543.0, 5483.0, 5671.0, 5276.0, 5655.0, 5336.0, 5501.0, 5390.0 (number of hits: 4)
21	5580	9	1	333	1	5681.0, 5524.0, 5640.0, 5649.0, 5471.0, 5521.0, 5595.0, 5538.0, 5257.0, 5270.0, 5570.0, 5536.0, 5609.0, 5346.0, 5655.0, 5363.0, 5572.0, 5579.0, 5689.0, 5566.0, 5453.0, 5308.0, 5323.0, 5359.0, 5253.0, 5278.0, 5654.0, 5259.0, 5306.0, 5297.0, 5565.0, 5483.0, 5289.0, 5399.0, 5265.0, 5309.0, 5391.0, 5347.0, 5358.0, 5648.0, 5604.0, 5511.0, 5494.0, 5434.0, 5701.0, 5415.0, 5442.0, 5474.0, 5326.0, 5443.0, 5472.0, 5496.0, 5525.0, 5720.0, 5382.0, 5574.0, 5650.0, 5267.0, 5375.0, 5594.0, 5481.0, 5675.0, 5373.0, 5539.0, 5379.0, 5404.0, 5426.0, 5546.0, 5657.0, 5638.0, 5621.0, 5622.0, 5332.0, 5619.0, 5251.0, 5495.0, 5255.0, 5482.0, 5300.0, 5374.0, 5586.0, 5700.0, 5534.0, 5613.0, 5413.0, 5516.0, 5715.0, 5485.0, 5545.0, 5367.0, 5298.0, 5369.0, 5418.0, 5419.0, 5555.0, 5708.0, 5491.0, 5405.0, 5264.0, 5505.0 (number of hits: 5)
22	5580	9	1	333	1	5707.0, 5578.0, 5565.0, 5551.0, 5423.0, 5566.0, 5431.0, 5597.0, 5569.0, 5510.0, 5674.0, 5570.0, 5620.0, 5349.0, 5330.0, 5626.0, 5354.0, 5327.0, 5467.0, 5632.0, 5465.0, 5636.0, 5662.0, 5402.0, 5384.0, 5644.0, 5498.0, 5501.0, 5265.0, 5360.0, 5452.0, 5715.0, 5685.0, 5499.0, 5610.0, 5678.0, 5355.0, 5370.0, 5316.0, 5389.0, 5259.0, 5721.0, 5273.0, 5293.0, 5350.0, 5263.0, 5298.0, 5430.0, 5515.0, 5572.0, 5664.0, 5615.0, 5345.0, 5657.0, 5277.0, 5347.0, 5268.0, 5411.0, 5300.0, 5706.0, 5418.0, 5301.0, 5478.0, 5278.0, 5361.0, 5538.0, 5513.0, 5258.0, 5292.0, 5643.0, 5425.0, 5272.0, 5254.0, 5399.0, 5558.0, 5582.0, 5555.0, 5527.0, 5589.0, 5658.0, 5358.0, 5621.0, 5594.0, 5283.0, 5326.0, 5453.0, 5497.0, 5719.0, 5520.0, 5287.0, 5357.0, 5470.0, 5681.0, 5635.0, 5303.0, 5323.0, 5544.0, 5648.0, 5296.0, 5633.0 (number of hits: 5)
23	5580	9	1	333	1	5291.0, 5634.0, 5452.0, 5313.0, 5465.0, 5261.0, 5433.0, 5622.0, 5280.0, 5297.0, 5448.0, 5707.0, 5554.0, 5384.0, 5477.0, 5260.0, 5285.0, 5302.0, 5463.0, 5544.0, 5454.0, 5453.0, 5378.0, 5424.0, 5478.0,

						5603.0, 5663.0, 5310.0, 5616.0, 5300.0, 5516.0, 5251.0, 5484.0, 5640.0, 5697.0, 5496.0, 5614.0, 5332.0, 5541.0, 5525.0, 5613.0, 5305.0, 5507.0, 5326.0, 5631.0, 5322.0, 5253.0, 5273.0, 5705.0, 5394.0, 5482.0, 5512.0, 5481.0, 5639.0, 5602.0, 5582.0, 5314.0, 5447.0, 5395.0, 5605.0, 5529.0, 5418.0, 5262.0, 5508.0, 5662.0, 5703.0, 5392.0, 5318.0, 5626.0, 5593.0, 5344.0, 5687.0, 5637.0, 5671.0, 5388.0, 5440.0, 5354.0, 5553.0, 5576.0, 5449.0, 5409.0, 5504.0, 5604.0, 5436.0, 5429.0, 5292.0, 5598.0, 5279.0, 5402.0, 5679.0, 5288.0, 5397.0, 5644.0, 5530.0, 5579.0, 5665.0, 5517.0, 5574.0, 5467.0, 5585.0 (number of hits: 5)
24	5580	9	1	333	1	5668.0, 5604.0, 5535.0, 5486.0, 5665.0, 5404.0, 5653.0, 5452.0, 5285.0, 5292.0, 5480.0, 5713.0, 5411.0, 5615.0, 5716.0, 5501.0, 5341.0, 5553.0, 5448.0, 5380.0, 5306.0, 5614.0, 5528.0, 5632.0, 5319.0, 5318.0, 5268.0, 5412.0, 5362.0, 5567.0, 5435.0, 5375.0, 5458.0, 5281.0, 5510.0, 5537.0, 5495.0, 5558.0, 5712.0, 5527.0, 5465.0, 5657.0, 5599.0, 5634.0, 5398.0, 5720.0, 5427.0, 5580.0, 5462.0, 5675.0, 5652.0, 5575.0, 5610.0, 5474.0, 5507.0, 5418.0, 5674.0, 5308.0, 5697.0, 5488.0, 5646.0, 5414.0, 5686.0, 5282.0, 5626.0, 5641.0, 5256.0, 5625.0, 5539.0, 5514.0, 5555.0, 5621.0, 5503.0, 5261.0, 5408.0, 5323.0, 5721.0, 5455.0, 5719.0, 5338.0, 5585.0, 5579.0, 5723.0, 5549.0, 5434.0, 5254.0, 5643.0, 5601.0, 5544.0, 5463.0, 5682.0, 5291.0, 5606.0, 5512.0, 5541.0, 5383.0, 5583.0, 5467.0, 5654.0, 5352.0 (number of hits: 5)
25	5580	9	1	333	1	5642.0, 5613.0, 5363.0, 5470.0, 5420.0, 5636.0, 5377.0, 5494.0, 5623.0, 5365.0, 5285.0, 5308.0, 5498.0, 5512.0, 5425.0, 5462.0, 5561.0, 5427.0, 5633.0, 5689.0, 5406.0, 5313.0, 5424.0, 5454.0, 5611.0, 5515.0, 5455.0, 5622.0, 5597.0, 5266.0, 5426.0, 5643.0, 5309.0, 5558.0, 5692.0, 5659.0, 5256.0, 5370.0, 5327.0, 5581.0, 5707.0, 5700.0, 5263.0, 5658.0, 5326.0, 5329.0, 5338.0, 5674.0, 5354.0, 5565.0, 5323.0, 5685.0, 5335.0, 5697.0, 5443.0, 5438.0, 5596.0, 5274.0, 5282.0, 5476.0, 5529.0, 5577.0, 5300.0, 5574.0, 5390.0, 5394.0, 5418.0, 5450.0, 5724.0, 5496.0, 5647.0, 5634.0, 5375.0, 5486.0, 5589.0, 5322.0, 5270.0, 5341.0, 5404.0, 5500.0, 5637.0, 5345.0, 5536.0, 5711.0, 5626.0, 5556.0, 5608.0, 5687.0, 5602.0, 5353.0, 5656.0, 5624.0, 5635.0, 5463.0, 5550.0, 5295.0, 5281.0, 5646.0, 5384.0, 5324.0 (number of hits: 4)
26	5580	9	1	333	1	5549.0, 5524.0, 5356.0, 5610.0, 5263.0,

						5645.0, 5282.0, 5451.0, 5618.0, 5595.0, 5503.0, 5299.0, 5291.0, 5502.0, 5480.0, 5664.0, 5472.0, 5660.0, 5667.0, 5711.0, 5376.0, 5350.0, 5582.0, 5463.0, 5362.0, 5534.0, 5707.0, 5616.0, 5574.0, 5309.0, 5411.0, 5632.0, 5720.0, 5269.0, 5264.0, 5609.0, 5491.0, 5680.0, 5251.0, 5439.0, 5665.0, 5640.0, 5250.0, 5653.0, 5690.0, 5565.0, 5279.0, 5474.0, 5693.0, 5506.0, 5478.0, 5633.0, 5651.0, 5469.0, 5682.0, 5571.0, 5440.0, 5602.0, 5418.0, 5513.0, 5288.0, 5718.0, 5423.0, 5292.0, 5692.0, 5454.0, 5538.0, 5543.0, 5464.0, 5431.0, 5678.0, 5638.0, 5401.0, 5467.0, 5554.0, 5285.0, 5262.0, 5552.0, 5498.0, 5432.0, 5532.0, 5553.0, 5358.0, 5289.0, 5637.0, 5438.0, 5441.0, 5402.0, 5359.0, 5495.0, 5508.0, 5601.0, 5525.0, 5313.0, 5684.0, 5485.0, 5315.0, 5544.0, 5405.0, 5308.0 (number of hits: 3)
27	5580	9	1	333	1	5261.0, 5646.0, 5578.0, 5408.0, 5265.0, 5558.0, 5479.0, 5370.0, 5443.0, 5627.0, 5519.0, 5379.0, 5292.0, 5471.0, 5565.0, 5311.0, 5582.0, 5437.0, 5374.0, 5451.0, 5259.0, 5689.0, 5487.0, 5566.0, 5380.0, 5672.0, 5315.0, 5433.0, 5412.0, 5332.0, 5336.0, 5398.0, 5312.0, 5358.0, 5637.0, 5365.0, 5609.0, 5396.0, 5427.0, 5548.0, 5364.0, 5724.0, 5339.0, 5636.0, 5531.0, 5581.0, 5546.0, 5553.0, 5489.0, 5615.0, 5381.0, 5360.0, 5660.0, 5708.0, 5659.0, 5252.0, 5499.0, 5286.0, 5438.0, 5686.0, 5347.0, 5516.0, 5657.0, 5675.0, 5707.0, 5509.0, 5330.0, 5513.0, 5616.0, 5344.0, 5309.0, 5491.0, 5297.0, 5463.0, 5368.0, 5630.0, 5306.0, 5326.0, 5624.0, 5606.0, 5690.0, 5522.0, 5641.0, 5572.0, 5618.0, 5714.0, 5625.0, 5282.0, 5619.0, 5464.0, 5367.0, 5423.0, 5302.0, 5494.0, 5411.0, 5301.0, 5669.0, 5402.0, 5688.0, 5654.0 (number of hits: 4)
28	5580	9	1	333	1	5537.0, 5278.0, 5521.0, 5343.0, 5683.0, 5336.0, 5679.0, 5367.0, 5499.0, 5469.0, 5673.0, 5550.0, 5370.0, 5330.0, 5520.0, 5441.0, 5558.0, 5435.0, 5491.0, 5621.0, 5353.0, 5587.0, 5564.0, 5652.0, 5460.0, 5386.0, 5617.0, 5572.0, 5453.0, 5482.0, 5497.0, 5664.0, 5693.0, 5438.0, 5282.0, 5557.0, 5464.0, 5365.0, 5298.0, 5605.0, 5496.0, 5544.0, 5560.0, 5677.0, 5454.0, 5618.0, 5573.0, 5369.0, 5260.0, 5613.0, 5366.0, 5385.0, 5657.0, 5429.0, 5502.0, 5258.0, 5629.0, 5295.0, 5264.0, 5589.0, 5500.0, 5430.0, 5702.0, 5373.0, 5700.0, 5254.0, 5568.0, 5578.0, 5388.0, 5522.0, 5423.0, 5644.0, 5337.0, 5676.0, 5288.0, 5448.0, 5478.0, 5259.0, 5671.0, 5294.0, 5381.0, 5280.0, 5524.0, 5414.0, 5341.0, 5357.0, 5698.0, 5720.0, 5403.0, 5326.0,

						5548.0, 5253.0, 5479.0, 5308.0, 5612.0, 5272.0, 5355.0, 5586.0, 5517.0, 5266.0 (number of hits: 6)
29	5580	9	1	333	1	5716.0, 5338.0, 5267.0, 5658.0, 5415.0, 5688.0, 5610.0, 5647.0, 5526.0, 5384.0, 5677.0, 5573.0, 5459.0, 5327.0, 5702.0, 5646.0, 5590.0, 5615.0, 5639.0, 5715.0, 5630.0, 5669.0, 5525.0, 5545.0, 5316.0, 5612.0, 5472.0, 5268.0, 5529.0, 5385.0, 5535.0, 5337.0, 5453.0, 5355.0, 5430.0, 5300.0, 5405.0, 5488.0, 5280.0, 5313.0, 5466.0, 5643.0, 5303.0, 5443.0, 5351.0, 5326.0, 5572.0, 5499.0, 5301.0, 5503.0, 5538.0, 5274.0, 5623.0, 5650.0, 5426.0, 5563.0, 5691.0, 5589.0, 5617.0, 5528.0, 5662.0, 5435.0, 5701.0, 5604.0, 5431.0, 5523.0, 5341.0, 5664.0, 5367.0, 5656.0, 5625.0, 5667.0, 5447.0, 5512.0, 5532.0, 5723.0, 5553.0, 5339.0, 5720.0, 5645.0, 5461.0, 5654.0, 5634.0, 5373.0, 5253.0, 5684.0, 5368.0, 5506.0, 5272.0, 5349.0, 5694.0, 5278.0, 5357.0, 5510.0, 5271.0, 5452.0, 5456.0, 5363.0, 5390.0, 5334.0 (number of hits: 3)
30	5580	9	1	333	1	5524.0, 5709.0, 5688.0, 5468.0, 5586.0, 5545.0, 5273.0, 5501.0, 5684.0, 5368.0, 5716.0, 5514.0, 5424.0, 5337.0, 5486.0, 5702.0, 5667.0, 5315.0, 5508.0, 5387.0, 5447.0, 5569.0, 5498.0, 5312.0, 5325.0, 5442.0, 5417.0, 5516.0, 5578.0, 5261.0, 5673.0, 5382.0, 5267.0, 5697.0, 5356.0, 5719.0, 5418.0, 5711.0, 5678.0, 5320.0, 5277.0, 5300.0, 5258.0, 5260.0, 5507.0, 5334.0, 5475.0, 5351.0, 5720.0, 5251.0, 5671.0, 5307.0, 5585.0, 5534.0, 5414.0, 5395.0, 5439.0, 5587.0, 5556.0, 5708.0, 5659.0, 5691.0, 5617.0, 5369.0, 5701.0, 5370.0, 5406.0, 5446.0, 5333.0, 5276.0, 5521.0, 5286.0, 5403.0, 5704.0, 5703.0, 5435.0, 5408.0, 5340.0, 5591.0, 5487.0, 5670.0, 5689.0, 5600.0, 5604.0, 5625.0, 5423.0, 5317.0, 5404.0, 5275.0, 5397.0, 5272.0, 5710.0, 5715.0, 5467.0, 5519.0, 5348.0, 5698.0, 5517.0, 5365.0, 5410.0 (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	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	95	1	558	1
2	5270	18	1	3066	1
3	5270	102	1	518	1
4	5270	65	1	818	1
5	5270	83	1	638	1
6	5270	78	1	678	1
7	5270	59	1	898	1
8	5270	92	1	578	1
9	5270	57	1	938	1
10	5270	74	1	718	1
11	5270	81	1	658	1
12	5270	86	1	618	1
13	5270	76	1	698	1
14	5270	99	1	538	1
15	5270	61	1	878	1
16	5270	38	1	1418	1
17	5270	60	1	889	1
18	5270	34	1	1596	1
19	5270	47	1	1123	1
20	5270	18	1	3037	1
21	5270	29	1	1823	1
22	5270	25	1	2179	1
23	5270	87	1	611	1
24	5270	18	1	2971	1
25	5270	23	1	2346	1
26	5270	21	1	2621	1
27	5270	19	1	2871	1
28	5270	31	1	1716	1
29	5270	29	1	1866	1
30	5270	39	1	1386	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	25	4.3	198	1
2	5270	26	1.8	187	1
3	5270	25	2.6	161	1
4	5270	24	1.3	191	1
5	5270	28	2.6	154	1
6	5270	26	2.9	165	1
7	5270	26	1.1	176	1
8	5270	25	3	186	1
9	5270	25	3.5	195	1
10	5270	28	3.6	159	1
11	5270	26	2.1	193	1
12	5270	24	4.2	219	1
13	5270	28	2.1	217	1
14	5270	25	3	157	1
15	5270	28	2.5	183	1
16	5270	25	2	215	1
17	5270	25	2.3	188	1
18	5270	24	3	165	1
19	5270	27	2.4	163	1
20	5270	28	2.8	154	1
21	5270	25	4.4	154	1
22	5270	29	3	152	1
23	5270	27	3.8	196	1
24	5270	27	2.6	164	1
25	5270	24	5	163	1
26	5270	25	3.4	226	1
27	5270	23	2.9	154	1
28	5270	25	5	170	1
29	5270	26	3.3	222	1
30	5270	26	2.8	224	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	8.2	385	1
2	5270	16	7	412	1
3	5270	17	6.5	354	1
4	5270	16	7.5	246	1
5	5270	16	8.6	432	1
6	5270	16	7.6	499	1
7	5270	18	6.8	406	1
8	5270	18	6.8	317	1
9	5270	17	6.6	382	1
10	5270	18	9.9	445	1
11	5270	17	9.6	352	1
12	5270	16	7.4	215	1
13	5270	17	6.7	317	1
14	5270	16	8.7	421	1
15	5270	17	6.8	298	1
16	5270	17	9.5	274	1
17	5270	16	6.3	277	1
18	5270	18	9.7	390	1
19	5270	18	7.3	251	1
20	5270	16	8.3	228	1
21	5270	17	7.4	499	1
22	5270	18	9.7	298	1
23	5270	17	9	437	1
24	5270	18	6.3	261	1
25	5270	16	9.4	236	1
26	5270	18	6	224	1
27	5270	18	6	347	1
28	5270	17	10	468	1
29	5270	18	6.3	398	1
30	5270	17	8.4	219	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	15.4	314	1
2	5270	12	14.8	214	1
3	5270	14	17.8	439	1
4	5270	12	16.3	353	1
5	5270	15	11.3	437	1
6	5270	14	16.4	363	1
7	5270	15	13.9	356	1
8	5270	12	18.7	308	1
9	5270	14	13.1	375	1
10	5270	14	19	487	1
11	5270	12	16.9	440	1
12	5270	14	15.5	335	1
13	5270	14	18.4	309	1
14	5270	14	17.6	432	1
15	5270	14	14.4	259	1
16	5270	13	14.2	235	1
17	5270	14	17.9	392	1
18	5270	15	18.2	294	1
19	5270	12	18.1	346	1
20	5270	15	19.2	348	1
21	5270	13	13.2	486	1
22	5270	13	14.6	457	1
23	5270	14	15.5	255	1
24	5270	16	11.4	331	1
25	5270	14	18.4	460	1
26	5270	12	16.4	255	1
27	5270	16	17.3	333	1
28	5270	16	13.1	217	1
29	5270	12	13.6	346	1
30	5270	12	11.8	202	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	81.9			0.13542	1
1	1	19	53.9			1.821176	
2	2	16	94.2	1944		3.674112	
3	1	11	85			5.878038	
4	1	12	64.9			6.519798	
5	1	10	93.3			8.32318	
6	1	13	50.6			10.115623	
7	2	9	76.6	1013		11.813838	

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	83.3	1311		0.683018	1
1	1	15	65.5			1.252473	
2	2	5	56.9	1531		1.65522	
3	2	6	50.2	1642		2.611572	
4	2	18	59.8	1895		2.880627	
5	2	8	93.7	1558		3.591064	
6	3	16	67.7	1689	1889	4.375502	
7	2	16	55.6	1209		5.568494	
8	2	17	58.3	1934		5.732789	
9	2	8	55.4	1781		6.819382	
10	2	17	51	1530		7.686234	
11	2	13	73	1729		8.125518	
12	2	16	74.1	1133		8.801594	
13	3	8	84.4	1254	1949	9.698945	
14	2	18	78	1787		10.159801	
15	1	9	84.9			10.738663	
16	3	10	89.4	1249	1710	11.45399	

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	50.3	1618		0.722029	1
1	1	16	68			1.307583	
2	2	7	53.3	1120		1.524264	
3	1	9	50.5			2.347936	
4	2	11	63	1451		3.136314	
5	1	17	60.5			3.779886	
6	1	12	56			5.170697	
7	1	20	73.5			5.326347	
8	2	12	87.9	1551		6.685465	
9	1	9	56.7			7.226713	
10	2	16	98.4	1166		8.198093	
11	3	10	85.4	1726	1560	8.844807	
12	2	7	86.3	1874		9.351363	
13	3	11	65.5	1842	1382	10.159405	
14	2	16	97	1109		10.98217	
15	3	13	53.4	1071	1380	11.369788	

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	59.7			0.182312	
1	3	17	70.6	1686	1389	0.943261	
2	2	19	89.1	1077		1.700121	
3	3	10	92	1886	1045	1.962591	
4	1	19	81.9			2.50684	
5	2	9	52.9	1850		3.362158	
6	2	12	54.1	1976		4.005673	
7	3	8	84.2	1274	1820	4.324066	
8	1	17	85			4.895491	
9	2	12	68.8	1206		5.450795	
10	2	12	94.4	1222		6.510423	1
11	3	10	98.5	1176	1604	6.676758	
12	2	11	80.7	1836		7.791063	
13	2	13	55.7	1902		7.990663	
14	2	5	67.7	1515		8.91718	
15	2	19	65.6	1951		9.532101	
16	2	13	66.4	1926		9.97356	
17	3	5	93	1922	1167	10.524675	
18	1	16	61.8			11.211014	
19	1	16	55.1			11.558508	

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	18	52.4	1936		0.184285	1
1	2	16	65.4	1866		0.725099	
2	2	17	91.9	1060		1.781074	
3	2	11	60.4	1763		2.181979	
4	3	11	77.2	1310	1824	2.916452	
5	3	9	67.6	1874	1812	3.443108	
6	1	20	87.3			4.387425	
7	2	19	94.7	1090		4.876892	
8	2	13	86.8	1426		5.645957	
9	1	19	53.7			6.117207	
10	1	17	71.2			6.857729	
11	2	7	97.2	1130		7.672889	
12	2	16	65.1	1786		8.591027	
13	2	13	86.2	1422		9.126782	
14	1	12	83.5			9.760417	
15	3	6	71.4	1462	1859	10.138419	
16	1	12	69.9			10.949461	
17	3	16	98	1167	1401	11.621589	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	58.4	1176		0.242949	1
1	2	18	83.5	1918		1.084701	
2	2	12	57.2	1629		2.435203	
3	2	10	70.7	1252		2.659398	
4	3	16	87	1721	1596	3.617174	
5	3	6	97.6	1963	1842	4.464193	
6	2	18	54	1357		5.169631	
7	2	15	62.5	1236		6.6799	
8	2	7	72.5	1098		7.401827	
9	3	10	89.3	1976	1674	8.325672	
10	1	9	65.4			8.919293	
11	2	9	60.2	1415		9.741262	
12	3	9	54.7	1840	1054	10.781211	
13	2	15	82.9	1222		11.676462	

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	81.9			1.078489	1
1	1	17	62.6			1.870174	
2	1	8	72.8			3.574246	
3	1	10	57.3			3.822849	
4	3	10	84.1	1194	1691	5.764523	
5	1	15	58.4			6.052174	
6	1	19	98.1			7.935313	
7	1	5	58.3			9.407601	

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	8	51.9	1426	1283	0.934863	1
1	2	12	75.5	1346		1.635573	
2	2	7	79	1242		3.313662	
3	2	19	58.3	1169		4.051461	
4	3	5	88.3	1278	1842	5.098401	
5	2	19	87.3	1130		6.073007	
6	1	7	78.9			8.25716	
7	2	6	75.5	1546		9.335581	
8	2	9	85.1	1415		10.524503	
9	1	6	99.7			11.53328	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	96.9			0.643499	
1	2	19	94.2	1761		1.787602	
2	1	9	65.4			1.942222	
3	2	19	94.2	1934		3.07576	
4	2	14	67.1	1368		4.030571	
5	2	6	63.7	1480		4.658474	
6	2	5	54.5	1879		6.040562	1
7	2	10	99	1351		7.237127	
8	3	6	74.2	1987	1859	8.020495	
9	2	19	91.3	1892		8.726435	
10	2	10	65.1	1743		10.053806	
11	3	11	66.3	1990	1771	10.914891	
12	2	19	82.5	1609		11.950956	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	58	1148		0.494247	
1	1	15	84.9			0.645209	
2	1	13	74.2			1.759229	
3	2	20	82	1562		1.819665	
4	1	14	61.1			2.591046	
5	2	15	82.2	1171		3.244626	
6	2	19	81.8	1662		3.810452	
7	2	8	94.9	1745		4.619561	
8	2	19	54	1639		5.284968	
9	2	10	81.8	1345		5.559132	
10	3	19	79.3	1314	1923	6.405883	1
11	2	10	95.2	1596		7.045938	
12	2	13	75.2	1402		7.761771	
13	3	19	76.3	1830	1573	7.996872	
14	3	6	72.9	1809	1533	8.618376	
15	2	18	77.2	1979		9.55926	
16	3	6	92.8	1166	1167	10.110855	
17	2	7	78	1131		10.539582	
18	2	17	64.6	1334		10.965293	
19	1	7	95.9			11.563427	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	54.6	1157		0.451012	1
1	1	18	82.4			1.30461	
2	2	14	99.3	1383		1.797634	
3	2	14	87.5	1403		2.48769	
4	2	19	96.3	1988		3.73764	
5	1	7	72.4			3.75485	
6	1	8	78.6			4.752662	
7	3	15	74.8	1770	1569	5.588168	
8	3	11	62.9	1272	1009	6.681124	
9	1	7	97.6			7.444979	
10	2	14	88.4	1539		8.10951	
11	2	11	93.8	1401		8.25485	
12	2	14	62.6	1124		9.047378	
13	3	16	98.1	1054	1122	10.034248	
14	1	16	59.2			10.598905	
15	2	7	62.4	1184		11.852319	

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	54.1			0.769077	1
1	1	13	75.8			1.302838	
2	2	16	80.1	1773		2.747584	
3	2	20	61.5	1493		3.233956	
4	2	14	80.6	1606		4.759179	
5	2	8	63.8	1491		5.380673	
6	1	11	93.1			6.072492	
7	1	17	58.7			7.176945	
8	3	17	52.2	1824	1462	8.417382	
9	2	16	57.4	1055		9.91734	
10	2	15	90.7	1845		10.557277	
11	1	12	90			11.740757	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	82.9	1386		0.290762	1
1	3	15	55.1	1643	1970	1.372258	
2	2	17	92.4	1606		2.088271	
3	2	14	86.8	1240		3.14494	
4	2	5	77	1382		4.490103	
5	2	11	63	1059		5.216093	
6	3	7	86.2	1202	1003	6.815171	
7	2	10	74.2	1569		7.362673	
8	2	18	74.5	1889		8.791507	
9	3	12	80.2	1172	1638	9.394056	
10	3	14	92.3	1029	1055	10.804203	
11	3	11	59.9	1259	1776	11.206509	

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	8	96.4	1721		0.597943	1
1	2	11	83.4	1795		1.140145	
2	1	9	64.8			1.801132	
3	2	13	75.4	1241		2.895136	
4	2	14	76.5	1228		3.139637	
5	2	14	91	1018		4.468176	
6	2	16	89.9	1377		4.897016	
7	3	19	83.2	1842	1816	5.92032	
8	3	15	81.5	1481	1360	6.260399	
9	2	10	86.5	1876		7.30918	
10	1	9	50.1			7.653703	
11	3	6	50.2	1637	1609	8.866485	
12	2	6	95.9	1493		9.223273	
13	1	8	63			9.773394	
14	2	18	51.2	1190		10.593205	
15	3	13	96.3	1816	1544	11.310561	

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	17	94.9	1217		0.270422	
1	1	8	73.3			1.864171	
2	1	18	99.8			2.780291	
3	2	18	84.7	1762		3.935863	
4	2	15	84.6	1693		5.143392	
5	2	17	99.3	1212		5.927461	1
6	2	11	80.5	1780		7.299916	
7	2	14	76	1308		8.696378	
8	1	7	62			8.773881	
9	3	17	57.5	1963	1278	10.03835	
10	2	9	71.6	1352		11.440284	

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	89.6	1377	1450	0.325133	
1	3	19	79	1444	1870	1.27235	
2	2	7	77.7	1265		2.26148	
3	1	12	93			3.49966	
4	2	14	60.6	1959		4.604509	
5	2	8	69.9	1434		5.850786	
6	1	11	57.1			6.582484	1
7	3	11	92.7	1489	1987	7.414831	
8	2	12	69.4	1749		8.841511	
9	3	11	79.8	1864	1178	9.919255	
10	2	20	67.7	1350		10.723186	
11	2	15	99.3	1845		11.046497	

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	5	95.8	1452		0.256084	
1	3	11	79.9	1709	1923	1.395053	
2	2	5	73.4	1875		1.997408	
3	2	8	64	1725		2.469566	
4	2	19	76	1110		3.50452	
5	2	10	55.9	1574		4.315423	
6	3	13	90.6	1128	1475	4.882999	
7	2	6	70.6	1565		5.714755	1
8	3	16	90.8	1752	1805	6.694479	
9	2	9	95.4	1091		7.83051	
10	2	16	61.8	1315		8.786094	
11	1	17	89.4			9.06952	
12	2	16	50.8	1842		10.224501	
13	3	12	73.9	1976	1844	11.151726	
14	3	12	93.3	1450	1765	11.700374	

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	9	92			0.006571	
1	2	10	97.4	1612		1.142117	
2	2	5	59.5	1205		1.98073	
3	2	11	51.4	1753		2.411734	
4	2	14	55.2	1002		3.267453	
5	2	17	93.8	1417		4.602528	
6	2	15	54.8	1402		4.89857	
7	1	9	98.9			6.328271	1
8	2	10	89.5	1386		6.977976	
9	1	15	81.8			7.939426	
10	1	16	87.5			8.248995	
11	2	10	53	1819		9.331483	
12	2	16	52.6	1140		10.070652	
13	3	6	60.9	1718	1843	10.696598	
14	1	14	83.3			11.416024	

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	17	51.2			0.27678	
1	2	15	84.9	1851		1.376641	
2	1	18	80			2.112279	
3	2	17	90.9	1661		2.743554	
4	1	12	89.5			3.24798	
5	1	6	86.5			3.646142	
6	1	10	92.3			4.300116	
7	1	18	63			4.962302	
8	2	16	98.4	1336		5.906469	1
9	1	7	62.6			6.617794	
10	3	19	64	1521	1797	7.198648	
11	2	17	97.5	1871		7.921714	
12	2	18	57.6	1901		9.051009	
13	2	6	50.3	1084		9.579026	
14	3	8	74.2	1562	1034	10.36266	
15	2	17	92.6	1250		10.720876	
16	1	9	71.2			11.446175	

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	9	63.1	1946	1993	0.501657	
1	2	17	87.9	1158		1.798882	
2	2	12	90.3	1813		3.942481	
3	3	7	94.8	1528	1816	5.264998	
4	2	19	94.2	1422		5.768989	1
5	3	6	52.2	1460	1435	7.058341	
6	2	10	90.2	1547		9.036409	
7	1	17	73.8			10.000348	
8	2	10	50.5	1305		10.728323	

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	14	76.4			0.605692	1
1	2	16	63.8	1227		1.175319	
2	2	16	68.6	1373		1.772678	
3	2	6	84.4	1749		2.945877	
4	2	18	59.4	1738		3.513128	
5	1	13	57			4.063848	
6	1	5	97.8			4.928901	
7	1	12	90			5.926187	
8	2	16	87.4	1988		6.233131	
9	3	8	75.9	1293	1824	6.84556	
10	3	8	89.5	1290	1308	7.692051	
11	2	8	65	1395		8.7763	
12	3	19	69.9	1358	1706	9.291398	
13	1	8	54.7			10.171491	
14	1	15	92.8			10.802318	
15	2	16	51.4	1391		11.482966	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	69.2	1869		1.249292	1
1	2	20	63.5	1830		2.84521	
2	2	7	89.4	1088		4.122817	
3	1	12	90.4			4.804531	
4	1	14	69.4			7.405632	
5	3	14	80.8	1325	1304	8.734279	
6	2	5	67.5	1656		9.630587	
7	1	20	78.8			10.890252	

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	14	61.1			0.217876	1
1	3	19	57.1	1468	1239	1.590241	
2	2	7	66.7	1082		2.530578	
3	2	15	55	1884		3.340385	
4	3	17	84.1	1582	1102	3.803166	
5	2	12	90	1613		4.471546	
6	2	11	82.5	1147		5.76051	
7	1	13	95			6.593131	
8	1	17	51.7			7.557789	
9	1	5	55.2			7.722764	
10	2	6	87.1	1783		9.066456	
11	2	6	95.5	1483		9.657149	
12	2	19	96.2	1544		10.381019	
13	1	13	77.9			11.39839	

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	17	90			0.651296	1
1	2	18	74.3	1869		1.215549	
2	2	14	57.2	1903		2.225736	
3	3	12	95.7	1824	1532	2.389437	
4	3	18	94.6	1746	1900	3.573924	
5	2	7	91.8	1849		4.35621	
6	2	18	97.5	1468		4.558885	
7	1	18	68.3			5.942845	
8	2	10	86.2	1433		6.15293	
9	2	14	60.8	1023		7.252196	
10	1	13	55.1			8.099618	
11	3	7	59.1	1069	1819	8.341078	
12	2	7	70.6	1336		9.017004	
13	1	5	50.8			10.292246	
14	2	15	64.8	1916		10.915211	
15	3	7	55	1904	1537	11.721966	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	64.9			0.788849	1
1	3	10	62.7	1443	1963	1.653688	
2	3	8	55.9	1709	1264	2.667665	
3	2	13	97.9	1269		3.696338	
4	2	5	54.2	1586		4.890591	
5	2	9	77.1	1109		5.510945	
6	2	17	50.1	1656		6.261075	
7	1	13	89.1			7.186609	
8	2	14	78.2	1141		8.272051	
9	2	5	91.5	1989		9.636595	
10	1	13	71.8			10.498235	
11	1	20	91			11.918817	

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	8	54.8	1357		0.04601	1
1	1	17	77.8			1.360191	
2	2	16	61.3	1695		2.09698	
3	2	13	56	1600		3.374545	
4	2	7	52.8	1781		4.371512	
5	1	8	64.1			5.257819	
6	1	17	74.9			6.070371	
7	3	13	97.6	1602	1440	6.608119	
8	2	18	93.3	1048		7.699056	
9	1	17	71.3			8.899718	
10	2	6	100	1937		9.923231	
11	2	10	54.3	1408		10.347281	
12	1	14	67.1			11.424875	

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	58	1864	1271	0.420243	1
1	2	7	68.3	1082		1.171675	
2	1	17	82.1			1.912631	
3	2	8	56.7	1910		2.48446	
4	1	15	82.1			3.123296	
5	3	11	69.8	1367	1393	3.55394	
6	2	12	60.7	1930		4.612976	
7	1	19	94.5			5.172275	
8	1	20	98.7			6.003783	
9	2	17	56.3	1110		6.933796	
10	3	15	51.9	1909	1992	7.266513	
11	3	14	58.2	1437	1320	8.202317	
12	1	7	50.5			9.081176	
13	2	13	75	1453		9.826457	
14	2	14	71	1383		10.448479	
15	2	5	72.7	1685		11.059385	
16	2	13	77.5	1816		11.551731	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	88.9			0.269671	1
1	2	15	58.6	1607		0.955167	
2	2	10	51.1	1538		1.507553	
3	2	13	92.8	1726		2.189049	
4	3	10	70.8	1497	1452	3.472882	
5	1	10	53.6			3.876919	
6	1	18	77.1			4.515014	
7	2	8	83.9	1769		5.08161	
8	1	18	75.5			6.209019	
9	1	11	93.4			6.41917	
10	2	12	90.2	1091		7.179605	
11	2	7	81.8	1210		8.434774	
12	2	19	76.8	1004		8.87042	
13	1	11	70.4			9.836881	
14	2	16	82.5	1761		10.084404	
15	1	19	60.5			10.698097	
16	1	8	80.4			11.794218	

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	13	54.3	1493	1661	0.474092	1
1	1	5	92			1.325703	
2	2	15	89.8	1806		1.564279	
3	2	10	85	1825		2.162561	
4	1	7	56.7			2.996721	
5	2	18	88	1096		3.730585	
6	2	16	90.1	1404		4.683621	
7	1	7	84.7			5.643154	
8	3	14	69.8	1954	1251	5.767848	
9	3	12	71.4	1253	1104	6.953008	
10	2	12	87	1021		7.227444	
11	2	13	96.7	1780		7.917974	
12	2	18	58.2	1741		8.908521	
13	2	6	73.1	1550		9.579072	
14	1	13	71.3			9.971334	
15	3	20	66.9	1459	1875	10.967971	
16	3	5	67.4	1514	1659	11.535821	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	69	1975		0.453353	1
1	2	10	79.5	1910		1.362479	
2	1	12	65.3			2.494887	
3	1	19	53.4			4.646986	
4	2	15	50.9	1876		5.980697	
5	2	10	76.6	1225		6.219003	
6	2	20	75.1	1205		8.247954	
7	2	19	95	1869		9.118272	
8	2	19	57.4	1031		10.395421	
9	1	19	77			11.905971	

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	5677.0, 5593.0, 5602.0, 5344.0, 5700.0, 5319.0, 5538.0, 5482.0, 5416.0, 5347.0, 5327.0, 5332.0, 5385.0, 5400.0, 5541.0, 5399.0, 5454.0, 5339.0, 5462.0, 5310.0, 5707.0, 5457.0, 5306.0, 5691.0, 5696.0, 5565.0, 5357.0, 5418.0, 5361.0, 5270.0, 5427.0, 5608.0, 5276.0, 5251.0, 5330.0, 5320.0, 5503.0, 5530.0, 5289.0, 5253.0, 5533.0, 5716.0, 5562.0, 5397.0, 5532.0, 5456.0, 5425.0, 5334.0, 5616.0, 5267.0, 5378.0, 5473.0, 5429.0, 5277.0, 5647.0, 5477.0, 5467.0, 5489.0, 5312.0, 5281.0, 5474.0, 5389.0, 5360.0, 5567.0, 5322.0, 5508.0, 5288.0, 5266.0, 5329.0, 5706.0, 5384.0, 5362.0, 5659.0, 5557.0, 5596.0, 5368.0, 5620.0, 5572.0, 5466.0, 5711.0, 5336.0, 5678.0, 5265.0, 5679.0, 5285.0, 5724.0, 5574.0, 5521.0, 5439.0, 5494.0, 5513.0, 5672.0, 5316.0, 5406.0, 5377.0, 5337.0, 5428.0, 5342.0, 5401.0, 5349.0 (number of hits: 6)
2	5270	9	1	333	1	5276.0, 5422.0, 5368.0, 5635.0, 5546.0, 5531.0, 5594.0, 5317.0, 5574.0, 5479.0, 5467.0, 5697.0, 5503.0, 5682.0, 5716.0, 5312.0, 5547.0, 5614.0, 5602.0, 5474.0, 5451.0, 5348.0, 5373.0, 5264.0, 5652.0, 5354.0, 5294.0, 5704.0, 5701.0, 5260.0, 5555.0, 5722.0, 5420.0, 5584.0, 5431.0, 5332.0, 5540.0, 5516.0, 5721.0, 5657.0, 5293.0, 5651.0, 5377.0, 5632.0, 5627.0, 5471.0, 5395.0, 5456.0, 5617.0, 5519.0, 5597.0, 5255.0, 5695.0, 5371.0, 5527.0, 5253.0, 5362.0, 5573.0, 5403.0, 5374.0, 5615.0, 5303.0, 5675.0, 5700.0, 5619.0, 5646.0, 5523.0, 5548.0, 5380.0, 5289.0, 5419.0, 5406.0, 5569.0, 5444.0, 5429.0, 5468.0, 5313.0, 5304.0, 5409.0, 5389.0, 5302.0, 5281.0, 5515.0, 5533.0, 5415.0, 5445.0, 5552.0, 5470.0, 5271.0, 5634.0, 5296.0, 5335.0, 5297.0, 5343.0, 5314.0, 5430.0, 5316.0, 5392.0, 5351.0, 5275.0 (number of hits: 11)
3	5270	9	1	333	1	5704.0, 5301.0, 5326.0, 5324.0, 5308.0, 5400.0, 5649.0, 5695.0, 5602.0, 5673.0, 5305.0, 5429.0, 5441.0, 5386.0, 5423.0, 5354.0, 5431.0, 5389.0, 5555.0, 5626.0, 5721.0, 5368.0, 5634.0, 5384.0, 5662.0, 5402.0, 5372.0, 5587.0, 5500.0, 5514.0, 5346.0, 5479.0, 5443.0, 5413.0, 5357.0, 5676.0, 5568.0, 5590.0, 5600.0, 5447.0, 5341.0, 5656.0, 5700.0, 5262.0, 5534.0, 5306.0, 5614.0, 5362.0, 5526.0, 5692.0, 5312.0, 5580.0, 5314.0, 5367.0, 5697.0, 5536.0, 5378.0, 5648.0, 5403.0, 5635.0,

						5342.0, 5404.0, 5387.0, 5680.0, 5565.0, 5295.0, 5394.0, 5316.0, 5297.0, 5527.0, 5714.0, 5364.0, 5664.0, 5480.0, 5424.0, 5685.0, 5281.0, 5399.0, 5291.0, 5504.0, 5690.0, 5569.0, 5369.0, 5345.0, 5644.0, 5256.0, 5581.0, 5643.0, 5325.0, 5454.0, 5365.0, 5530.0, 5711.0, 5532.0, 5411.0, 5670.0, 5722.0, 5436.0, 5450.0, 5620.0 (number of hits: 9)
4	5270	9	1	333	1	5716.0, 5581.0, 5556.0, 5449.0, 5621.0, 5724.0, 5723.0, 5490.0, 5312.0, 5630.0, 5446.0, 5667.0, 5488.0, 5574.0, 5343.0, 5351.0, 5394.0, 5274.0, 5437.0, 5669.0, 5544.0, 5438.0, 5541.0, 5538.0, 5562.0, 5250.0, 5651.0, 5363.0, 5278.0, 5602.0, 5348.0, 5433.0, 5686.0, 5598.0, 5393.0, 5710.0, 5676.0, 5665.0, 5418.0, 5590.0, 5266.0, 5480.0, 5423.0, 5443.0, 5550.0, 5704.0, 5561.0, 5473.0, 5600.0, 5540.0, 5566.0, 5406.0, 5625.0, 5661.0, 5400.0, 5285.0, 5482.0, 5267.0, 5468.0, 5649.0, 5656.0, 5387.0, 5270.0, 5589.0, 5338.0, 5640.0, 5705.0, 5366.0, 5271.0, 5295.0, 5697.0, 5695.0, 5407.0, 5534.0, 5513.0, 5395.0, 5416.0, 5329.0, 5297.0, 5707.0, 5576.0, 5347.0, 5333.0, 5432.0, 5714.0, 5448.0, 5496.0, 5646.0, 5591.0, 5466.0, 5527.0, 5601.0, 5405.0, 5604.0, 5477.0, 5696.0, 5524.0, 5397.0, 5414.0, 5378.0 (number of hits: 4)
5	5270	9	1	333	1	5621.0, 5563.0, 5412.0, 5281.0, 5676.0, 5538.0, 5521.0, 5368.0, 5413.0, 5519.0, 5416.0, 5483.0, 5255.0, 5264.0, 5601.0, 5442.0, 5492.0, 5702.0, 5330.0, 5337.0, 5689.0, 5254.0, 5274.0, 5603.0, 5506.0, 5425.0, 5554.0, 5417.0, 5523.0, 5667.0, 5497.0, 5361.0, 5705.0, 5312.0, 5356.0, 5437.0, 5583.0, 5699.0, 5654.0, 5511.0, 5423.0, 5429.0, 5539.0, 5317.0, 5617.0, 5553.0, 5550.0, 5327.0, 5681.0, 5481.0, 5479.0, 5564.0, 5606.0, 5703.0, 5591.0, 5320.0, 5369.0, 5717.0, 5444.0, 5568.0, 5363.0, 5635.0, 5384.0, 5305.0, 5334.0, 5435.0, 5299.0, 5419.0, 5585.0, 5718.0, 5630.0, 5477.0, 5517.0, 5295.0, 5663.0, 5648.0, 5335.0, 5655.0, 5430.0, 5415.0, 5498.0, 5493.0, 5605.0, 5532.0, 5684.0, 5580.0, 5270.0, 5527.0, 5644.0, 5422.0, 5333.0, 5636.0, 5557.0, 5561.0, 5565.0, 5315.0, 5406.0, 5713.0, 5638.0, 5354.0 (number of hits: 4)
6	5270	9	1	333	1	5419.0, 5337.0, 5580.0, 5537.0, 5368.0, 5588.0, 5614.0, 5424.0, 5565.0, 5513.0, 5571.0, 5277.0, 5508.0, 5701.0, 5374.0, 5301.0, 5505.0, 5674.0, 5581.0, 5447.0, 5578.0, 5361.0, 5506.0, 5461.0, 5420.0, 5272.0, 5483.0, 5318.0, 5520.0, 5266.0, 5596.0, 5681.0, 5468.0, 5313.0, 5703.0, 5285.0, 5542.0, 5406.0, 5716.0, 5448.0,

						5684.0, 5442.0, 5541.0, 5263.0, 5413.0, 5561.0, 5592.0, 5712.0, 5514.0, 5335.0, 5556.0, 5312.0, 5664.0, 5558.0, 5661.0, 5402.0, 5536.0, 5264.0, 5347.0, 5673.0, 5523.0, 5538.0, 5388.0, 5540.0, 5362.0, 5327.0, 5630.0, 5690.0, 5531.0, 5574.0, 5657.0, 5254.0, 5438.0, 5608.0, 5702.0, 5434.0, 5370.0, 5276.0, 5604.0, 5589.0, 5481.0, 5470.0, 5478.0, 5250.0, 5279.0, 5492.0, 5622.0, 5396.0, 5356.0, 5452.0, 5429.0, 5651.0, 5718.0, 5418.0, 5601.0, 5683.0, 5282.0, 5682.0, 5417.0, 5475.0 (number of hits: 4)
7	5270	9	1	333	1	5535.0, 5417.0, 5613.0, 5262.0, 5365.0, 5692.0, 5339.0, 5669.0, 5523.0, 5394.0, 5379.0, 5485.0, 5425.0, 5651.0, 5252.0, 5569.0, 5355.0, 5345.0, 5551.0, 5625.0, 5261.0, 5376.0, 5612.0, 5407.0, 5717.0, 5719.0, 5548.0, 5271.0, 5446.0, 5306.0, 5278.0, 5349.0, 5336.0, 5550.0, 5519.0, 5524.0, 5298.0, 5443.0, 5722.0, 5503.0, 5307.0, 5700.0, 5533.0, 5281.0, 5299.0, 5650.0, 5375.0, 5516.0, 5667.0, 5644.0, 5312.0, 5340.0, 5416.0, 5440.0, 5430.0, 5428.0, 5640.0, 5265.0, 5338.0, 5395.0, 5589.0, 5675.0, 5308.0, 5542.0, 5706.0, 5400.0, 5578.0, 5646.0, 5567.0, 5522.0, 5580.0, 5477.0, 5509.0, 5358.0, 5325.0, 5584.0, 5623.0, 5564.0, 5538.0, 5371.0, 5574.0, 5378.0, 5412.0, 5393.0, 5709.0, 5561.0, 5350.0, 5487.0, 5409.0, 5272.0, 5539.0, 5423.0, 5396.0, 5368.0, 5686.0, 5320.0, 5482.0, 5257.0, 5624.0, 5672.0 (number of hits: 6)
8	5270	9	1	333	1	5297.0, 5259.0, 5723.0, 5671.0, 5351.0, 5401.0, 5431.0, 5672.0, 5518.0, 5457.0, 5697.0, 5262.0, 5584.0, 5290.0, 5299.0, 5266.0, 5684.0, 5682.0, 5405.0, 5284.0, 5428.0, 5645.0, 5334.0, 5424.0, 5507.0, 5648.0, 5379.0, 5414.0, 5476.0, 5540.0, 5635.0, 5353.0, 5395.0, 5446.0, 5614.0, 5605.0, 5342.0, 5620.0, 5495.0, 5608.0, 5652.0, 5695.0, 5484.0, 5662.0, 5531.0, 5339.0, 5430.0, 5673.0, 5710.0, 5512.0, 5260.0, 5492.0, 5618.0, 5553.0, 5360.0, 5272.0, 5312.0, 5302.0, 5378.0, 5700.0, 5663.0, 5661.0, 5633.0, 5420.0, 5270.0, 5544.0, 5408.0, 5460.0, 5601.0, 5567.0, 5298.0, 5657.0, 5703.0, 5264.0, 5696.0, 5616.0, 5465.0, 5702.0, 5552.0, 5510.0, 5538.0, 5320.0, 5323.0, 5500.0, 5335.0, 5328.0, 5555.0, 5325.0, 5488.0, 5345.0, 5713.0, 5283.0, 5358.0, 5506.0, 5263.0, 5393.0, 5296.0, 5681.0, 5694.0, 5691.0 (number of hits: 7)
9	5270	9	1	333	1	5636.0, 5523.0, 5504.0, 5534.0, 5527.0, 5385.0, 5558.0, 5315.0, 5687.0, 5324.0, 5718.0, 5368.0, 5449.0, 5364.0, 5594.0, 5264.0, 5682.0, 5436.0, 5341.0, 5675.0,

						5678.0, 5281.0, 5337.0, 5452.0, 5704.0, 5590.0, 5611.0, 5277.0, 5365.0, 5308.0, 5662.0, 5404.0, 5311.0, 5428.0, 5696.0, 5469.0, 5597.0, 5606.0, 5494.0, 5321.0, 5701.0, 5674.0, 5710.0, 5420.0, 5565.0, 5698.0, 5422.0, 5433.0, 5323.0, 5357.0, 5352.0, 5376.0, 5541.0, 5394.0, 5581.0, 5251.0, 5381.0, 5266.0, 5506.0, 5455.0, 5407.0, 5269.0, 5417.0, 5370.0, 5287.0, 5400.0, 5524.0, 5599.0, 5283.0, 5403.0, 5703.0, 5301.0, 5605.0, 5483.0, 5554.0, 5600.0, 5485.0, 5707.0, 5409.0, 5489.0, 5438.0, 5320.0, 5645.0, 5535.0, 5458.0, 5459.0, 5289.0, 5638.0, 5361.0, 5630.0, 5521.0, 5619.0, 5653.0, 5450.0, 5622.0, 5585.0, 5261.0, 5346.0, 5550.0, 5496.0 (number of hits: 5)
10	5270	9	1	333	1	5631.0, 5287.0, 5386.0, 5475.0, 5655.0, 5718.0, 5256.0, 5691.0, 5436.0, 5616.0, 5647.0, 5513.0, 5251.0, 5468.0, 5265.0, 5642.0, 5355.0, 5259.0, 5299.0, 5304.0, 5295.0, 5521.0, 5344.0, 5525.0, 5364.0, 5458.0, 5516.0, 5500.0, 5285.0, 5574.0, 5323.0, 5643.0, 5611.0, 5618.0, 5639.0, 5452.0, 5719.0, 5680.0, 5363.0, 5268.0, 5349.0, 5556.0, 5400.0, 5692.0, 5659.0, 5490.0, 5470.0, 5633.0, 5382.0, 5456.0, 5567.0, 5476.0, 5636.0, 5279.0, 5486.0, 5429.0, 5662.0, 5594.0, 5250.0, 5254.0, 5310.0, 5705.0, 5257.0, 5641.0, 5628.0, 5650.0, 5627.0, 5493.0, 5534.0, 5464.0, 5583.0, 5579.0, 5707.0, 5407.0, 5571.0, 5721.0, 5706.0, 5319.0, 5578.0, 5447.0, 5581.0, 5389.0, 5671.0, 5434.0, 5329.0, 5406.0, 5261.0, 5612.0, 5681.0, 5539.0, 5408.0, 5547.0, 5402.0, 5359.0, 5489.0, 5397.0, 5424.0, 5480.0, 5667.0, 5296.0 (number of hits: 7)
11	5270	9	1	333	1	5421.0, 5254.0, 5556.0, 5713.0, 5483.0, 5322.0, 5635.0, 5546.0, 5283.0, 5433.0, 5629.0, 5397.0, 5434.0, 5666.0, 5277.0, 5342.0, 5501.0, 5386.0, 5552.0, 5670.0, 5393.0, 5694.0, 5685.0, 5493.0, 5261.0, 5275.0, 5388.0, 5440.0, 5390.0, 5638.0, 5362.0, 5576.0, 5454.0, 5469.0, 5653.0, 5529.0, 5617.0, 5641.0, 5255.0, 5482.0, 5369.0, 5674.0, 5262.0, 5652.0, 5695.0, 5633.0, 5377.0, 5313.0, 5291.0, 5271.0, 5524.0, 5426.0, 5542.0, 5582.0, 5604.0, 5684.0, 5289.0, 5692.0, 5688.0, 5323.0, 5361.0, 5571.0, 5396.0, 5365.0, 5472.0, 5679.0, 5409.0, 5448.0, 5509.0, 5518.0, 5481.0, 5316.0, 5259.0, 5429.0, 5619.0, 5614.0, 5355.0, 5535.0, 5510.0, 5410.0, 5710.0, 5547.0, 5310.0, 5711.0, 5515.0, 5699.0, 5585.0, 5360.0, 5640.0, 5528.0, 5278.0, 5269.0, 5644.0, 5686.0, 5588.0, 5505.0, 5490.0, 5722.0, 5691.0, 5521.0 (number of hits: 4)

12	5270	9	1	333	1	5299.0, 5593.0, 5356.0, 5670.0, 5584.0, 5558.0, 5627.0, 5614.0, 5700.0, 5707.0, 5524.0, 5394.0, 5485.0, 5281.0, 5417.0, 5276.0, 5471.0, 5305.0, 5709.0, 5328.0, 5306.0, 5341.0, 5585.0, 5293.0, 5706.0, 5597.0, 5330.0, 5268.0, 5532.0, 5284.0, 5640.0, 5345.0, 5494.0, 5288.0, 5368.0, 5512.0, 5504.0, 5436.0, 5312.0, 5677.0, 5374.0, 5574.0, 5317.0, 5688.0, 5346.0, 5635.0, 5675.0, 5333.0, 5496.0, 5500.0, 5719.0, 5615.0, 5519.0, 5685.0, 5535.0, 5647.0, 5522.0, 5611.0, 5426.0, 5342.0, 5429.0, 5310.0, 5447.0, 5537.0, 5634.0, 5701.0, 5251.0, 5599.0, 5567.0, 5568.0, 5538.0, 5477.0, 5481.0, 5380.0, 5555.0, 5545.0, 5462.0, 5337.0, 5662.0, 5459.0, 5628.0, 5503.0, 5539.0, 5658.0, 5457.0, 5603.0, 5625.0, 5449.0, 5379.0, 5609.0, 5653.0, 5557.0, 5408.0, 5409.0, 5278.0, 5446.0, 5559.0, 5372.0, 5583.0, 5499.0 (number of hits: 7)
13	5270	9	1	333	1	5404.0, 5363.0, 5713.0, 5452.0, 5383.0, 5479.0, 5393.0, 5313.0, 5686.0, 5645.0, 5488.0, 5646.0, 5590.0, 5429.0, 5712.0, 5680.0, 5615.0, 5289.0, 5311.0, 5369.0, 5470.0, 5435.0, 5498.0, 5386.0, 5389.0, 5477.0, 5271.0, 5522.0, 5408.0, 5509.0, 5481.0, 5314.0, 5299.0, 5257.0, 5672.0, 5486.0, 5651.0, 5327.0, 5704.0, 5544.0, 5510.0, 5618.0, 5614.0, 5708.0, 5270.0, 5379.0, 5402.0, 5569.0, 5347.0, 5628.0, 5552.0, 5679.0, 5345.0, 5562.0, 5444.0, 5465.0, 5596.0, 5667.0, 5460.0, 5439.0, 5564.0, 5281.0, 5359.0, 5269.0, 5337.0, 5352.0, 5622.0, 5357.0, 5648.0, 5334.0, 5275.0, 5638.0, 5450.0, 5594.0, 5358.0, 5558.0, 5687.0, 5437.0, 5403.0, 5339.0, 5580.0, 5469.0, 5366.0, 5721.0, 5574.0, 5455.0, 5557.0, 5600.0, 5688.0, 5294.0, 5343.0, 5447.0, 5660.0, 5703.0, 5525.0, 5374.0, 5570.0, 5693.0, 5283.0, 5390.0 (number of hits: 6)
14	5270	9	1	333	1	5708.0, 5449.0, 5667.0, 5519.0, 5516.0, 5260.0, 5642.0, 5358.0, 5645.0, 5298.0, 5598.0, 5582.0, 5271.0, 5373.0, 5255.0, 5696.0, 5386.0, 5571.0, 5591.0, 5720.0, 5531.0, 5604.0, 5499.0, 5251.0, 5558.0, 5666.0, 5471.0, 5480.0, 5513.0, 5539.0, 5429.0, 5445.0, 5613.0, 5389.0, 5280.0, 5631.0, 5589.0, 5482.0, 5306.0, 5626.0, 5673.0, 5397.0, 5650.0, 5454.0, 5521.0, 5466.0, 5474.0, 5285.0, 5362.0, 5511.0, 5452.0, 5396.0, 5357.0, 5435.0, 5597.0, 5681.0, 5343.0, 5425.0, 5284.0, 5403.0, 5509.0, 5501.0, 5460.0, 5561.0, 5413.0, 5684.0, 5419.0, 5651.0, 5455.0, 5342.0, 5422.0, 5566.0, 5262.0, 5468.0, 5314.0, 5346.0, 5479.0, 5301.0, 5713.0, 5676.0, 5415.0, 5540.0, 5409.0, 5279.0, 5502.0,

						5606.0, 5486.0, 5421.0, 5380.0, 5478.0, 5641.0, 5538.0, 5612.0, 5451.0, 5258.0, 5290.0, 5496.0, 5369.0, 5639.0, 5621.0 (number of hits: 6)
15	5270	9	1	333	1	5633.0, 5597.0, 5642.0, 5695.0, 5306.0, 5476.0, 5453.0, 5423.0, 5651.0, 5556.0, 5422.0, 5327.0, 5521.0, 5671.0, 5408.0, 5252.0, 5363.0, 5579.0, 5295.0, 5352.0, 5681.0, 5407.0, 5405.0, 5537.0, 5344.0, 5438.0, 5564.0, 5699.0, 5314.0, 5311.0, 5431.0, 5346.0, 5383.0, 5560.0, 5404.0, 5516.0, 5490.0, 5689.0, 5684.0, 5657.0, 5674.0, 5401.0, 5274.0, 5612.0, 5416.0, 5297.0, 5506.0, 5512.0, 5366.0, 5421.0, 5620.0, 5412.0, 5499.0, 5259.0, 5502.0, 5573.0, 5525.0, 5418.0, 5445.0, 5337.0, 5527.0, 5518.0, 5677.0, 5616.0, 5384.0, 5334.0, 5672.0, 5426.0, 5486.0, 5698.0, 5690.0, 5594.0, 5474.0, 5624.0, 5511.0, 5278.0, 5324.0, 5279.0, 5501.0, 5649.0, 5488.0, 5255.0, 5626.0, 5257.0, 5517.0, 5686.0, 5485.0, 5692.0, 5545.0, 5491.0, 5580.0, 5389.0, 5653.0, 5650.0, 5542.0, 5670.0, 5603.0, 5455.0, 5345.0, 5661.0 (number of hits: 5)
16	5270	9	1	333	1	5515.0, 5252.0, 5454.0, 5402.0, 5396.0, 5601.0, 5312.0, 5712.0, 5478.0, 5393.0, 5667.0, 5253.0, 5643.0, 5425.0, 5364.0, 5284.0, 5650.0, 5331.0, 5442.0, 5337.0, 5672.0, 5347.0, 5702.0, 5620.0, 5588.0, 5353.0, 5637.0, 5254.0, 5720.0, 5598.0, 5676.0, 5356.0, 5710.0, 5422.0, 5606.0, 5655.0, 5635.0, 5723.0, 5355.0, 5362.0, 5310.0, 5457.0, 5612.0, 5525.0, 5444.0, 5633.0, 5494.0, 5432.0, 5599.0, 5622.0, 5571.0, 5664.0, 5602.0, 5319.0, 5647.0, 5380.0, 5698.0, 5285.0, 5692.0, 5368.0, 5256.0, 5517.0, 5659.0, 5474.0, 5371.0, 5423.0, 5627.0, 5401.0, 5340.0, 5677.0, 5589.0, 5485.0, 5715.0, 5576.0, 5504.0, 5704.0, 5257.0, 5447.0, 5707.0, 5495.0, 5369.0, 5329.0, 5250.0, 5385.0, 5708.0, 5389.0, 5451.0, 5299.0, 5719.0, 5551.0, 5476.0, 5417.0, 5709.0, 5408.0, 5300.0, 5503.0, 5296.0, 5290.0, 5545.0, 5274.0 (number of hits: 7)
17	5270	9	1	333	1	5695.0, 5353.0, 5724.0, 5536.0, 5452.0, 5360.0, 5689.0, 5505.0, 5267.0, 5391.0, 5356.0, 5374.0, 5717.0, 5307.0, 5664.0, 5495.0, 5289.0, 5641.0, 5309.0, 5612.0, 5297.0, 5554.0, 5438.0, 5611.0, 5393.0, 5701.0, 5346.0, 5299.0, 5674.0, 5649.0, 5401.0, 5431.0, 5575.0, 5507.0, 5560.0, 5599.0, 5521.0, 5582.0, 5339.0, 5350.0, 5296.0, 5448.0, 5340.0, 5546.0, 5682.0, 5525.0, 5330.0, 5365.0, 5692.0, 5338.0, 5654.0, 5600.0, 5572.0, 5601.0, 5383.0, 5637.0, 5565.0, 5357.0, 5265.0, 5428.0, 5268.0, 5485.0, 5544.0, 5250.0, 5314.0,

						5406.0, 5404.0, 5581.0, 5661.0, 5528.0, 5321.0, 5466.0, 5622.0, 5318.0, 5524.0, 5589.0, 5642.0, 5573.0, 5657.0, 5630.0, 5324.0, 5515.0, 5329.0, 5491.0, 5455.0, 5473.0, 5325.0, 5381.0, 5526.0, 5411.0, 5706.0, 5490.0, 5570.0, 5655.0, 5498.0, 5587.0, 5469.0, 5408.0, 5703.0, 5492.0 (number of hits: 7)
18	5270	9	1	333	1	5620.0, 5374.0, 5314.0, 5253.0, 5383.0, 5412.0, 5602.0, 5453.0, 5331.0, 5706.0, 5425.0, 5329.0, 5710.0, 5569.0, 5563.0, 5687.0, 5709.0, 5480.0, 5372.0, 5355.0, 5485.0, 5352.0, 5312.0, 5640.0, 5611.0, 5258.0, 5323.0, 5531.0, 5298.0, 5700.0, 5713.0, 5542.0, 5636.0, 5414.0, 5578.0, 5673.0, 5401.0, 5511.0, 5567.0, 5436.0, 5722.0, 5590.0, 5522.0, 5280.0, 5429.0, 5256.0, 5628.0, 5618.0, 5670.0, 5717.0, 5484.0, 5315.0, 5657.0, 5711.0, 5407.0, 5608.0, 5278.0, 5691.0, 5486.0, 5371.0, 5721.0, 5405.0, 5464.0, 5367.0, 5270.0, 5451.0, 5681.0, 5683.0, 5360.0, 5373.0, 5629.0, 5505.0, 5493.0, 5381.0, 5307.0, 5267.0, 5679.0, 5363.0, 5420.0, 5642.0, 5310.0, 5324.0, 5443.0, 5617.0, 5558.0, 5439.0, 5660.0, 5496.0, 5304.0, 5361.0, 5259.0, 5551.0, 5539.0, 5251.0, 5455.0, 5689.0, 5562.0, 5580.0, 5529.0, 5467.0 (number of hits: 6)
19	5270	9	1	333	1	5333.0, 5470.0, 5424.0, 5301.0, 5347.0, 5546.0, 5581.0, 5479.0, 5518.0, 5259.0, 5437.0, 5458.0, 5464.0, 5358.0, 5349.0, 5694.0, 5488.0, 5537.0, 5706.0, 5708.0, 5503.0, 5372.0, 5426.0, 5384.0, 5287.0, 5540.0, 5684.0, 5528.0, 5549.0, 5432.0, 5629.0, 5668.0, 5575.0, 5304.0, 5476.0, 5264.0, 5309.0, 5409.0, 5326.0, 5265.0, 5334.0, 5699.0, 5521.0, 5412.0, 5548.0, 5314.0, 5491.0, 5497.0, 5551.0, 5693.0, 5361.0, 5628.0, 5322.0, 5623.0, 5296.0, 5690.0, 5523.0, 5664.0, 5632.0, 5272.0, 5383.0, 5404.0, 5400.0, 5641.0, 5613.0, 5295.0, 5697.0, 5619.0, 5294.0, 5529.0, 5316.0, 5413.0, 5364.0, 5543.0, 5417.0, 5644.0, 5611.0, 5604.0, 5360.0, 5454.0, 5430.0, 5522.0, 5441.0, 5660.0, 5720.0, 5609.0, 5703.0, 5350.0, 5402.0, 5275.0, 5472.0, 5583.0, 5568.0, 5698.0, 5571.0, 5455.0, 5271.0, 5276.0, 5713.0, 5659.0 (number of hits: 8)
20	5270	9	1	333	1	5692.0, 5419.0, 5328.0, 5486.0, 5630.0, 5470.0, 5503.0, 5372.0, 5338.0, 5629.0, 5457.0, 5494.0, 5364.0, 5685.0, 5533.0, 5580.0, 5300.0, 5635.0, 5515.0, 5434.0, 5431.0, 5671.0, 5587.0, 5375.0, 5405.0, 5584.0, 5550.0, 5357.0, 5551.0, 5621.0, 5577.0, 5403.0, 5616.0, 5482.0, 5718.0, 5720.0, 5453.0, 5514.0, 5568.0, 5624.0, 5663.0, 5471.0, 5410.0, 5636.0, 5345.0,

						5269.0, 5310.0, 5575.0, 5316.0, 5305.0, 5633.0, 5607.0, 5565.0, 5402.0, 5611.0, 5460.0, 5351.0, 5463.0, 5721.0, 5638.0, 5594.0, 5719.0, 5659.0, 5290.0, 5523.0, 5447.0, 5340.0, 5510.0, 5554.0, 5262.0, 5576.0, 5667.0, 5715.0, 5442.0, 5298.0, 5478.0, 5456.0, 5462.0, 5369.0, 5407.0, 5424.0, 5582.0, 5593.0, 5643.0, 5558.0, 5322.0, 5571.0, 5588.0, 5583.0, 5293.0, 5610.0, 5603.0, 5622.0, 5651.0, 5420.0, 5592.0, 5348.0, 5464.0, 5428.0, 5670.0 (number of hits: 6)
21	5270	9	1	333	1	5647.0, 5627.0, 5328.0, 5276.0, 5364.0, 5681.0, 5451.0, 5492.0, 5300.0, 5442.0, 5449.0, 5560.0, 5480.0, 5466.0, 5342.0, 5367.0, 5294.0, 5366.0, 5376.0, 5547.0, 5394.0, 5536.0, 5444.0, 5321.0, 5643.0, 5628.0, 5663.0, 5346.0, 5340.0, 5453.0, 5279.0, 5377.0, 5337.0, 5256.0, 5527.0, 5567.0, 5504.0, 5554.0, 5489.0, 5303.0, 5651.0, 5601.0, 5641.0, 5719.0, 5403.0, 5481.0, 5426.0, 5354.0, 5664.0, 5637.0, 5597.0, 5268.0, 5564.0, 5304.0, 5315.0, 5406.0, 5323.0, 5506.0, 5646.0, 5583.0, 5648.0, 5577.0, 5515.0, 5395.0, 5412.0, 5425.0, 5358.0, 5319.0, 5631.0, 5459.0, 5420.0, 5535.0, 5460.0, 5331.0, 5275.0, 5478.0, 5289.0, 5566.0, 5281.0, 5500.0, 5540.0, 5326.0, 5393.0, 5658.0, 5430.0, 5473.0, 5514.0, 5424.0, 5355.0, 5675.0, 5254.0, 5635.0, 5652.0, 5695.0, 5382.0, 5509.0, 5265.0, 5614.0, 5640.0, 5479.0 (number of hits: 5)
22	5270	9	1	333	1	5383.0, 5485.0, 5369.0, 5722.0, 5455.0, 5615.0, 5330.0, 5605.0, 5709.0, 5399.0, 5613.0, 5680.0, 5687.0, 5341.0, 5293.0, 5503.0, 5500.0, 5628.0, 5513.0, 5633.0, 5284.0, 5582.0, 5657.0, 5342.0, 5460.0, 5317.0, 5660.0, 5604.0, 5453.0, 5419.0, 5308.0, 5307.0, 5434.0, 5635.0, 5461.0, 5659.0, 5516.0, 5347.0, 5673.0, 5699.0, 5385.0, 5624.0, 5704.0, 5713.0, 5679.0, 5412.0, 5623.0, 5508.0, 5354.0, 5289.0, 5575.0, 5349.0, 5279.0, 5639.0, 5364.0, 5571.0, 5357.0, 5706.0, 5594.0, 5684.0, 5380.0, 5539.0, 5372.0, 5554.0, 5505.0, 5622.0, 5335.0, 5374.0, 5551.0, 5619.0, 5484.0, 5653.0, 5499.0, 5708.0, 5272.0, 5634.0, 5658.0, 5570.0, 5439.0, 5655.0, 5494.0, 5306.0, 5283.0, 5598.0, 5331.0, 5477.0, 5528.0, 5457.0, 5472.0, 5295.0, 5266.0, 5542.0, 5502.0, 5691.0, 5566.0, 5270.0, 5278.0, 5718.0, 5531.0, 5466.0 (number of hits: 6)
23	5270	9	1	333	1	5514.0, 5315.0, 5269.0, 5327.0, 5508.0, 5663.0, 5655.0, 5393.0, 5440.0, 5525.0, 5672.0, 5646.0, 5282.0, 5493.0, 5547.0, 5517.0, 5357.0, 5652.0, 5396.0, 5598.0, 5333.0, 5651.0, 5376.0, 5426.0, 5433.0,

						5453.0, 5408.0, 5291.0, 5518.0, 5504.0, 5399.0, 5611.0, 5721.0, 5624.0, 5266.0, 5619.0, 5659.0, 5257.0, 5422.0, 5709.0, 5342.0, 5420.0, 5419.0, 5261.0, 5512.0, 5274.0, 5492.0, 5337.0, 5412.0, 5271.0, 5515.0, 5670.0, 5485.0, 5549.0, 5487.0, 5690.0, 5522.0, 5458.0, 5397.0, 5625.0, 5264.0, 5362.0, 5681.0, 5617.0, 5700.0, 5601.0, 5641.0, 5405.0, 5538.0, 5585.0, 5677.0, 5716.0, 5335.0, 5432.0, 5253.0, 5704.0, 5608.0, 5505.0, 5553.0, 5452.0, 5355.0, 5642.0, 5660.0, 5717.0, 5252.0, 5447.0, 5510.0, 5469.0, 5633.0, 5537.0, 5654.0, 5645.0, 5568.0, 5462.0, 5699.0, 5437.0, 5368.0, 5258.0, 5519.0, 5476.0 (number of hits: 1)
24	5270	9	1	333	1	5563.0, 5671.0, 5258.0, 5552.0, 5631.0, 5577.0, 5701.0, 5351.0, 5699.0, 5304.0, 5444.0, 5402.0, 5340.0, 5389.0, 5401.0, 5686.0, 5675.0, 5253.0, 5509.0, 5446.0, 5450.0, 5721.0, 5522.0, 5393.0, 5612.0, 5660.0, 5387.0, 5295.0, 5533.0, 5682.0, 5676.0, 5278.0, 5265.0, 5386.0, 5490.0, 5567.0, 5548.0, 5652.0, 5616.0, 5565.0, 5536.0, 5570.0, 5619.0, 5605.0, 5317.0, 5378.0, 5593.0, 5257.0, 5471.0, 5630.0, 5505.0, 5691.0, 5532.0, 5515.0, 5320.0, 5294.0, 5301.0, 5547.0, 5462.0, 5409.0, 5653.0, 5268.0, 5690.0, 5500.0, 5526.0, 5523.0, 5353.0, 5568.0, 5581.0, 5322.0, 5285.0, 5561.0, 5312.0, 5606.0, 5430.0, 5303.0, 5519.0, 5281.0, 5323.0, 5702.0, 5555.0, 5478.0, 5647.0, 5689.0, 5678.0, 5636.0, 5713.0, 5419.0, 5336.0, 5724.0, 5530.0, 5434.0, 5534.0, 5627.0, 5710.0, 5283.0, 5435.0, 5361.0, 5437.0, 5572.0 (number of hits: 7)
25	5270	9	1	333	1	5525.0, 5429.0, 5413.0, 5298.0, 5711.0, 5286.0, 5588.0, 5419.0, 5514.0, 5661.0, 5470.0, 5576.0, 5460.0, 5440.0, 5409.0, 5345.0, 5425.0, 5629.0, 5434.0, 5267.0, 5415.0, 5472.0, 5693.0, 5362.0, 5504.0, 5637.0, 5686.0, 5648.0, 5388.0, 5324.0, 5338.0, 5294.0, 5488.0, 5406.0, 5376.0, 5598.0, 5613.0, 5585.0, 5391.0, 5676.0, 5285.0, 5399.0, 5649.0, 5359.0, 5518.0, 5679.0, 5257.0, 5394.0, 5313.0, 5449.0, 5337.0, 5386.0, 5367.0, 5392.0, 5277.0, 5270.0, 5670.0, 5265.0, 5628.0, 5553.0, 5604.0, 5384.0, 5401.0, 5354.0, 5334.0, 5251.0, 5444.0, 5531.0, 5456.0, 5558.0, 5474.0, 5331.0, 5572.0, 5311.0, 5431.0, 5690.0, 5420.0, 5385.0, 5485.0, 5340.0, 5574.0, 5589.0, 5667.0, 5568.0, 5692.0, 5517.0, 5655.0, 5581.0, 5650.0, 5536.0, 5436.0, 5645.0, 5435.0, 5422.0, 5486.0, 5258.0, 5709.0, 5280.0, 5447.0, 5584.0 (number of hits: 6)
26	5270	9	1	333	1	5497.0, 5631.0, 5421.0, 5654.0, 5257.0,

						5558.0, 5461.0, 5407.0, 5514.0, 5463.0, 5697.0, 5385.0, 5674.0, 5443.0, 5624.0, 5570.0, 5256.0, 5517.0, 5268.0, 5322.0, 5646.0, 5522.0, 5643.0, 5546.0, 5683.0, 5442.0, 5253.0, 5629.0, 5555.0, 5369.0, 5401.0, 5336.0, 5526.0, 5360.0, 5679.0, 5478.0, 5359.0, 5388.0, 5350.0, 5408.0, 5276.0, 5637.0, 5608.0, 5420.0, 5416.0, 5387.0, 5536.0, 5366.0, 5595.0, 5348.0, 5449.0, 5528.0, 5280.0, 5352.0, 5321.0, 5329.0, 5660.0, 5433.0, 5255.0, 5710.0, 5468.0, 5487.0, 5690.0, 5448.0, 5564.0, 5642.0, 5584.0, 5347.0, 5573.0, 5649.0, 5481.0, 5415.0, 5716.0, 5632.0, 5505.0, 5543.0, 5627.0, 5357.0, 5607.0, 5492.0, 5596.0, 5602.0, 5330.0, 5686.0, 5682.0, 5411.0, 5661.0, 5466.0, 5399.0, 5464.0, 5380.0, 5293.0, 5675.0, 5254.0, 5281.0, 5718.0, 5701.0, 5258.0, 5349.0, 5585.0 (number of hits: 1)
27	5270	9	1	333	1	5615.0, 5335.0, 5619.0, 5696.0, 5568.0, 5717.0, 5258.0, 5434.0, 5385.0, 5495.0, 5467.0, 5264.0, 5600.0, 5650.0, 5303.0, 5609.0, 5282.0, 5477.0, 5338.0, 5301.0, 5299.0, 5464.0, 5417.0, 5350.0, 5408.0, 5679.0, 5311.0, 5598.0, 5439.0, 5262.0, 5685.0, 5623.0, 5382.0, 5563.0, 5548.0, 5510.0, 5261.0, 5663.0, 5567.0, 5646.0, 5413.0, 5404.0, 5640.0, 5661.0, 5429.0, 5601.0, 5718.0, 5675.0, 5280.0, 5471.0, 5420.0, 5447.0, 5588.0, 5283.0, 5393.0, 5391.0, 5625.0, 5547.0, 5680.0, 5260.0, 5255.0, 5502.0, 5381.0, 5628.0, 5722.0, 5565.0, 5478.0, 5642.0, 5376.0, 5624.0, 5560.0, 5437.0, 5713.0, 5596.0, 5580.0, 5497.0, 5481.0, 5488.0, 5333.0, 5540.0, 5250.0, 5691.0, 5578.0, 5681.0, 5610.0, 5421.0, 5334.0, 5480.0, 5513.0, 5372.0, 5534.0, 5424.0, 5458.0, 5352.0, 5409.0, 5712.0, 5614.0, 5606.0, 5375.0, 5397.0 (number of hits: 4)
28	5270	9	1	333	1	5337.0, 5252.0, 5609.0, 5473.0, 5482.0, 5459.0, 5332.0, 5436.0, 5601.0, 5402.0, 5349.0, 5319.0, 5534.0, 5614.0, 5683.0, 5631.0, 5276.0, 5671.0, 5302.0, 5624.0, 5352.0, 5709.0, 5499.0, 5451.0, 5660.0, 5359.0, 5438.0, 5426.0, 5407.0, 5584.0, 5469.0, 5685.0, 5256.0, 5370.0, 5262.0, 5648.0, 5520.0, 5378.0, 5544.0, 5526.0, 5674.0, 5593.0, 5712.0, 5607.0, 5522.0, 5316.0, 5287.0, 5261.0, 5280.0, 5541.0, 5558.0, 5421.0, 5293.0, 5471.0, 5545.0, 5588.0, 5551.0, 5516.0, 5590.0, 5429.0, 5721.0, 5596.0, 5317.0, 5716.0, 5602.0, 5704.0, 5521.0, 5328.0, 5679.0, 5479.0, 5707.0, 5605.0, 5404.0, 5423.0, 5719.0, 5443.0, 5647.0, 5351.0, 5455.0, 5666.0, 5413.0, 5641.0, 5366.0, 5381.0, 5269.0, 5505.0, 5636.0, 5680.0, 5604.0, 5282.0,

						5290.0, 5254.0, 5585.0, 5491.0, 5495.0, 5281.0, 5431.0, 5555.0, 5341.0, 5697.0 (number of hits: 4)
29	5270	9	1	333	1	5284.0, 5609.0, 5481.0, 5514.0, 5629.0, 5585.0, 5562.0, 5558.0, 5279.0, 5708.0, 5405.0, 5476.0, 5622.0, 5255.0, 5687.0, 5671.0, 5641.0, 5261.0, 5511.0, 5561.0, 5696.0, 5502.0, 5693.0, 5586.0, 5709.0, 5698.0, 5359.0, 5338.0, 5262.0, 5584.0, 5454.0, 5695.0, 5426.0, 5520.0, 5345.0, 5253.0, 5311.0, 5557.0, 5607.0, 5368.0, 5688.0, 5620.0, 5601.0, 5581.0, 5536.0, 5301.0, 5692.0, 5513.0, 5494.0, 5375.0, 5267.0, 5465.0, 5425.0, 5665.0, 5615.0, 5484.0, 5670.0, 5458.0, 5639.0, 5330.0, 5596.0, 5660.0, 5420.0, 5416.0, 5650.0, 5321.0, 5504.0, 5680.0, 5675.0, 5521.0, 5379.0, 5384.0, 5571.0, 5637.0, 5403.0, 5658.0, 5399.0, 5485.0, 5269.0, 5266.0, 5319.0, 5714.0, 5369.0, 5275.0, 5579.0, 5462.0, 5483.0, 5575.0, 5486.0, 5415.0, 5577.0, 5652.0, 5631.0, 5555.0, 5526.0, 5302.0, 5250.0, 5455.0, 5663.0, 5621.0 (number of hits: 3)
30	5270	9	1	333	1	5281.0, 5436.0, 5344.0, 5594.0, 5602.0, 5297.0, 5515.0, 5692.0, 5564.0, 5601.0, 5541.0, 5466.0, 5427.0, 5354.0, 5655.0, 5711.0, 5488.0, 5472.0, 5715.0, 5396.0, 5450.0, 5449.0, 5462.0, 5607.0, 5429.0, 5269.0, 5333.0, 5537.0, 5399.0, 5437.0, 5362.0, 5374.0, 5604.0, 5305.0, 5559.0, 5608.0, 5493.0, 5254.0, 5410.0, 5272.0, 5261.0, 5276.0, 5335.0, 5387.0, 5298.0, 5555.0, 5306.0, 5532.0, 5667.0, 5491.0, 5645.0, 5707.0, 5268.0, 5669.0, 5531.0, 5695.0, 5273.0, 5444.0, 5644.0, 5547.0, 5556.0, 5397.0, 5591.0, 5483.0, 5526.0, 5640.0, 5621.0, 5522.0, 5473.0, 5346.0, 5528.0, 5674.0, 5447.0, 5545.0, 5581.0, 5713.0, 5423.0, 5431.0, 5507.0, 5629.0, 5718.0, 5381.0, 5627.0, 5259.0, 5274.0, 5280.0, 5293.0, 5372.0, 5414.0, 5284.0, 5311.0, 5401.0, 5412.0, 5658.0, 5583.0, 5560.0, 5660.0, 5662.0, 5673.0, 5570.0 (number of hits: 6)

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:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5550	95	1	558	1
2	5550	76	1	698	1
3	5550	58	1	918	1
4	5550	92	1	578	1
5	5550	62	1	858	1
6	5550	81	1	658	1
7	5550	59	1	898	1
8	5550	68	1	778	1
9	5550	72	1	738	1
10	5550	65	1	818	1
11	5550	99	1	538	1
12	5550	18	1	3066	1
13	5550	57	1	938	1
14	5550	67	1	798	1
15	5550	83	1	638	1
16	5550	18	1	2993	1
17	5550	20	1	2697	1
18	5550	19	1	2821	1
19	5550	55	1	971	1
20	5550	37	1	1436	1
21	5550	88	1	600	1
22	5550	62	1	852	1
23	5550	45	1	1174	1
24	5550	39	1	1384	1
25	5550	92	1	577	1
26	5550	21	1	2547	1
27	5550	35	1	1515	1
28	5550	20	1	2742	1
29	5550	19	1	2829	1
30	5550	31	1	1722	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	27	3	200	1
2	5550	26	4.8	194	1
3	5550	28	1.8	200	1
4	5550	26	2.1	211	1
5	5550	29	3.3	192	1
6	5550	24	1.9	184	1
7	5550	25	4.5	191	1
8	5550	26	4.9	210	1
9	5550	24	4.9	176	1
10	5550	29	1.5	220	1
11	5550	29	1.6	165	1
12	5550	26	2.4	183	1
13	5550	29	2.8	228	1
14	5550	29	4.3	220	1
15	5550	24	2.1	195	1
16	5550	24	2	228	1
17	5550	25	1.9	226	1
18	5550	28	1.1	164	1
19	5550	24	3.4	169	1
20	5550	25	1.4	207	1
21	5550	23	5	185	1
22	5550	23	2.9	217	1
23	5550	23	1.8	199	1
24	5550	26	3.2	154	1
25	5550	24	3	186	1
26	5550	26	3.3	160	1
27	5550	25	3.2	170	1
28	5550	29	4.7	230	1
29	5550	24	1.6	151	1
30	5550	23	2.8	175	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	18	9	316	1
2	5550	18	9.8	375	1
3	5550	18	6.6	291	1
4	5550	17	7.6	390	1
5	5550	17	6.8	497	1
6	5550	17	7	273	1
7	5550	17	7	350	1
8	5550	18	6.7	443	1
9	5550	18	7.8	347	1
10	5550	17	7.1	410	1
11	5550	17	7	458	1
12	5550	18	8	383	1
13	5550	18	6.1	484	1
14	5550	17	8	323	1
15	5550	17	9.3	272	1
16	5550	16	7.7	286	1
17	5550	17	8.9	273	1
18	5550	18	8.2	296	1
19	5550	18	8.9	242	1
20	5550	16	7.3	332	1
21	5550	17	6.8	425	1
22	5550	17	8	295	1
23	5550	17	9.2	348	1
24	5550	17	7.7	409	1
25	5550	18	6.9	356	1
26	5550	17	7.2	433	1
27	5550	16	6.9	499	1
28	5550	17	7.1	332	1
29	5550	17	6.4	239	1
30	5550	17	9.2	430	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	14	14.4	451	1
2	5550	14	14.8	403	1
3	5550	13	12.1	451	1
4	5550	13	11	311	1
5	5550	13	15.7	347	1
6	5550	15	19.9	397	1
7	5550	16	14.6	330	1
8	5550	14	14.6	222	1
9	5550	14	13.5	222	1
10	5550	12	16	443	1
11	5550	12	18	495	1
12	5550	12	15.1	297	1
13	5550	15	19	387	1
14	5550	16	12.1	382	1
15	5550	12	14	278	1
16	5550	16	12.5	234	1
17	5550	12	14.2	293	1
18	5550	13	13.2	356	1
19	5550	14	17.1	448	1
20	5550	15	17.6	243	1
21	5550	14	16.3	362	1
22	5550	13	12.1	474	1
23	5550	16	14	362	1
24	5550	13	11.4	371	1
25	5550	15	18.3	367	1
26	5550	14	14.3	386	1
27	5550	15	14.6	267	1
28	5550	13	12.1	314	1
29	5550	14	16.9	494	1
30	5550	12	16.3	337	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	51.8	1086		0.588204	
1	3	16	98.6	1720	1999	0.785061	
2	3	11	73.6	1750	1571	1.509458	
3	1	18	54.4			2.784652	
4	2	9	70.3	1804		3.602539	
5	3	9	78.4	1698	1303	4.006827	
6	3	12	52.9	1525	1377	4.72703	
7	3	7	76.4	1246	1256	5.751508	
8	1	14	57.3			6.586635	1
9	1	13	64.4			6.829947	
10	3	13	53.7	1514	1649	8.07027	
11	1	13	54.6			8.628188	
12	3	14	94.5	1638	1223	9.713164	
13	2	14	89	1384		10.183473	
14	2	8	70.9	1528		10.709426	
15	2	8	57.4	1357		11.547137	

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	16	52.6	1103		0.681628	
1	2	20	56.7	1287		1.32257	
2	2	17	76.7	1259		1.658633	
3	2	6	54	1335		2.760128	
4	3	7	76.7	1624	1082	3.3687	
5	2	12	87.5	1467		4.261419	
6	2	6	89.3	1060		5.132763	
7	2	7	84.1	1659		5.608099	
8	3	19	62.8	1090	1167	6.300801	1
9	2	8	54.5	1290		7.101152	
10	2	19	81.5	1701		8.18625	
11	3	6	94.2	1720	1735	8.673786	
12	1	6	88.8			9.669653	
13	1	17	77.8			9.800968	
14	1	7	70.4			10.776911	
15	1	16	60.6			11.889475	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	50.6	1846	1781	0.415641	
1	2	17	86.9	1534		1.030082	
2	1	19	78.7			1.971613	
3	3	10	61.8	1346	1599	2.76157	
4	2	10	74.1	1878		3.446813	
5	2	15	71.8	1515		4.338653	
6	2	10	53.6	1586		4.815847	
7	2	20	59	1524		6.033375	1
8	3	16	84.4	1300	1968	7.153091	
9	2	16	52.8	1809		7.808637	
10	1	19	63.9			8.370097	
11	2	7	58.7	1190		8.837635	
12	2	14	64.2	1450		10.25288	
13	2	19	57.3	1850		11.167789	
14	2	16	91.6	1809		11.950946	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	77.1	1354		0.741466	1
1	2	7	96.6	1257		1.850997	
2	2	18	57.5	1196		3.347083	
3	1	9	57.8			4.285956	
4	1	10	90.1			5.82267	
5	3	6	77.4	1542	1976	7.373419	
6	1	6	62.6			8.705107	
7	2	11	98.9	1282		9.877826	
8	3	20	95.3	1478	1970	11.668009	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	98.4			0.389201	1
1	2	19	68.7	1613		1.126917	
2	1	8	61.3			2.582493	
3	2	12	55.2	1830		3.620499	
4	1	18	54			4.808385	
5	2	20	74.3	1826		5.361742	
6	1	19	74.3			6.102237	
7	2	7	61.6	1086		7.783022	
8	3	7	56	1847	1079	8.769604	
9	3	14	53.2	1028	1056	9.244117	
10	2	11	62.5	1288		10.031017	
11	2	12	66.9	1391		11.420576	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	67.5			0.897219	
1	1	8	79.2			1.398825	
2	2	19	83.5	1829		1.866041	
3	1	20	92.4			3.098299	
4	2	17	87.2	1210		4.450443	
5	2	8	69.6	1807		5.450536	
6	2	17	99.5	1512		5.564528	1
7	2	13	82.8	1419		6.618173	
8	3	10	76.4	1989	1492	8.091208	
9	3	10	94	1569	1585	8.548609	
10	1	19	92.2			9.912273	
11	2	13	94.7	1504		10.919386	
12	1	8	52.8			11.961534	

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	15	99.5	1840	1734	0.198576	
1	2	12	76.8	1262		1.338167	
2	3	10	69.6	1126	1916	1.756957	
3	1	14	78.4			2.447357	
4	1	13	93.4			3.211483	
5	3	18	66.1	1895	1450	3.723867	
6	3	12	88	1320	1576	4.775791	
7	2	7	97.4	1225		5.45155	
8	2	16	68.6	1016		6.156603	1
9	3	15	55.3	1884	1603	6.353678	
10	2	19	99.6	1065		7.692108	
11	2	9	90.1	1314		8.176539	
12	3	14	92.3	1480	1403	8.766967	
13	2	10	63.9	1890		9.330719	
14	2	13	64.5	1297		9.965985	
15	1	9	94.4			11.011487	
16	1	9	96.3			11.553529	

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	8	91.2			0.249585	
1	3	20	54.7	1415	1559	0.88914	
2	1	17	64.9			2.222967	
3	1	14	89.1			3.026957	
4	1	11	58.4			3.54279	
5	2	6	55	1570		4.667025	
6	3	10	69.7	1248	1695	4.998921	
7	2	16	89.5	1389		6.251523	1
8	3	12	91.7	1591	1742	6.864067	
9	1	19	77.7			7.6392	
10	2	5	98.1	1972		8.337364	
11	1	15	56.6			9.339737	
12	3	10	55.4	1394	1620	9.708405	
13	2	15	58.3	1377		10.94063	
14	2	11	69	1396		11.450812	

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	17	65	1987		0.570097	1
1	2	10	73.5	1757		0.72785	
2	2	20	78.3	1652		1.778926	
3	2	13	87	1439		2.189739	
4	2	6	80.9	1775		2.75453	
5	3	17	57.3	1545	1702	3.047866	
6	2	17	56.1	1298		4.156934	
7	1	6	66.1			4.285023	
8	1	18	63.1			5.362131	
9	2	18	68.5	1341		5.705551	
10	1	12	51			6.084585	
11	3	8	85.9	1831	1421	7.010389	
12	2	9	63.7	1469		7.351211	
13	2	9	79.5	1406		8.107636	
14	3	10	79.7	1262	1898	8.805049	
15	1	12	58.2			9.196252	
16	2	13	94	1894		9.607264	
17	3	10	98.4	1292	1562	10.551654	
18	2	13	88.4	1672		11.370901	
19	2	16	97.5	1894		11.77138	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	63.9	1199		0.53723	1
1	2	9	93.8	1812		1.686802	
2	3	19	52.6	1150	1615	2.886022	
3	2	14	69.1	1923		3.832806	
4	2	14	93	1046		5.515311	
5	1	19	70.4			6.243204	
6	2	8	53.1	1222		7.792446	
7	3	18	64.6	1206	1812	9.492417	
8	1	10	81.8			10.416282	
9	2	19	90.1	1632		11.484537	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	56.5			0.409239	1
1	2	17	57.4	1872		1.55007	
2	2	11	60.1	1605		2.674381	
3	2	9	59.2	1923		3.933742	
4	2	10	75.4	1331		4.260598	
5	1	6	76.6			5.634668	
6	2	9	78.6	1176		6.326565	
7	1	8	79.5			7.245736	
8	2	7	98.1	1841		8.443567	
9	1	11	90.1			9.526991	
10	2	14	58.4	1122		10.436944	
11	3	9	71.1	1510	1556	11.071261	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	54.6	1956		0.956902	1
1	2	7	76.3	1298		2.188896	
2	2	10	70.2	1042		3.913165	
3	3	11	51.9	1727	1590	4.489419	
4	2	18	71.1	1606		6.309142	
5	2	12	93.4	1056		7.939367	
6	3	11	80.7	1591	1413	8.724386	
7	1	15	81.8			9.71432	
8	1	17	67.5			11.234381	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	61.4	1531		0.233019	
1	3	14	92.1	1686	1640	1.675293	
2	3	6	75.2	1628	1612	2.522146	
3	2	8	55.5	1283		3.223629	
4	3	19	96.6	1282	1680	4.654568	
5	2	16	57.2	1093		5.935671	
6	3	6	87.2	1599	1914	6.716741	1
7	3	14	63.8	1855	1165	7.235929	
8	2	9	79.6	1260		8.463451	
9	1	12	65.6			9.75825	
10	2	14	98.3	1135		10.287077	
11	2	16	74.7	1269		11.767173	

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	14	83.1			0.551065	
1	1	7	71			0.85799	
2	2	9	87.8	1058		1.35523	
3	1	5	65.7			1.905355	
4	2	11	56.9	1728		2.652233	
5	2	9	74.9	1220		3.17567	
6	1	12	80.4			4.387267	
7	2	6	82	1268		4.454654	
8	3	11	89.3	1070	1352	5.182527	
9	3	16	64.8	1841	1176	6.186959	1
10	2	19	60.1	1557		6.509674	
11	2	14	50.3	1592		7.413201	
12	2	9	95.5	1044		7.827411	
13	2	20	63.2	1899		8.603118	
14	3	10	87.2	1472	1075	9.034609	
15	2	7	58.6	1105		9.491501	
16	1	19	52.5			10.554252	
17	1	16	70			10.962309	
18	2	17	68.3	1123		11.962997	

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	15	94.1	1665		1.103501	1
1	2	7	91.9	1311		2.69149	
2	2	11	98.7	1135		3.893617	
3	1	19	79.5			5.679255	
4	1	17	95.4			6.471608	
5	2	5	80.3	1824		8.397635	
6	1	7	57.7			9.951198	
7	3	16	56.9	1561	1891	11.444022	

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	10	57.8	1365	1139	0.627795	1
1	3	19	90	1359	1983	1.591219	
2	1	12	85.9			1.655989	
3	2	6	50.4	1184		2.482707	
4	2	11	70.8	1455		3.205294	
5	2	8	75.8	1477		4.463168	
6	3	17	90.9	1429	1914	5.109871	
7	2	19	53.7	1546		5.716343	
8	1	20	81.4			6.829876	
9	1	10	73.9			7.703993	
10	3	7	93.3	1198	1263	8.326161	
11	2	16	63.6	1028		8.963312	
12	3	14	75.9	1332	1356	9.94898	
13	1	7	56.4			11.0175	
14	2	9	68.9	1461		11.74884	

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	20	87	1227		0.22851	1
1	3	12	80	1838	1327	1.193274	
2	2	16	69.3	1874		1.958361	
3	2	12	66.6	1878		2.483672	
4	2	14	51.4	1348		3.662997	
5	2	9	52.5	1398		3.907859	
6	2	16	98.2	1672		4.793144	
7	2	5	56	1342		5.417708	
8	2	7	96.6	1008		6.086458	
9	3	16	56.3	1185	1956	6.923247	
10	2	14	92.9	1597		8.123075	
11	1	14	98.3			8.800241	
12	2	18	91.5	1305		9.325676	
13	3	15	65.7	1168	1902	9.985314	
14	2	9	68.1	1940		11.166221	
15	3	13	50.8	1901	1303	11.697291	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	87.2			0.69245	1
1	2	19	88.7	1970		1.59546	
2	2	13	73.5	1224		2.260565	
3	3	7	94.6	1642	1253	3.773773	
4	3	16	54	1104	1458	4.125157	
5	1	8	82.9			5.838405	
6	2	18	61	1455		6.654852	
7	1	9	97.4			7.627547	
8	2	10	96	1273		8.306747	
9	3	8	50.6	1241	1791	9.76548	
10	2	10	90.9	1583		10.097782	
11	1	13	65.8			11.663439	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	62.5			0.375602	1
1	3	20	90.2	1169	1173	1.626589	
2	2	8	58.1	1304		2.292861	
3	2	18	96.6	1804		3.080634	
4	3	7	62.3	1074	1495	3.640503	
5	3	7	98.8	1601	1346	4.365721	
6	1	8	50.9			5.711155	
7	1	10	66.3			6.15226	
8	2	11	74.1	1530		7.1628	
9	2	9	69.8	1662		7.932703	
10	3	14	58.7	1120	1707	9.25712	
11	2	13	72.3	1106		9.733516	
12	3	15	93.2	1557	1383	10.744751	
13	2	13	100	1405		11.886853	

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	52.4	1297		0.612365	1
1	3	13	68.7	1408	1729	1.242625	
2	3	11	69.9	1479	1863	2.039869	
3	2	12	71.1	1817		3.12939	
4	2	14	99.3	1091		4.138843	
5	2	13	95.4	1896		5.353157	
6	3	19	75.7	1997	1301	6.147222	
7	3	8	55.9	1949	1837	7.371672	
8	2	11	95.1	1423		7.891081	
9	2	20	66.2	1758		9.108042	
10	2	16	97.9	1266		9.321469	
11	2	9	90.5	1728		10.993187	
12	2	9	83.4	1425		11.429311	

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	6	74.7			0.321808	1
1	2	12	54.1	1512		1.915866	
2	3	16	85.2	1371	1115	2.820091	
3	2	7	65.9	1981		4.155332	
4	1	15	96.8			5.242981	
5	2	19	71.8	1500		6.374557	
6	2	17	65.6	1228		8.323498	
7	2	10	76.3	1754		9.214787	
8	2	12	80.7	1709		9.695495	
9	2	8	54.5	1632		11.469984	

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	17	85.7	1496		0.561086	1
1	1	14	98.2			1.594545	
2	1	15	89.8			2.784898	
3	1	15	55.1			3.309092	
4	2	8	87.4	1914		4.720206	
5	3	11	78.6	1392	1751	5.510213	
6	2	9	50.6	1462		6.471385	
7	3	7	68.1	1287	1138	7.751982	
8	2	19	59.8	1645		8.832252	
9	3	18	85.2	1559	1123	9.004108	
10	1	8	89.8			10.34222	
11	2	10	73.3	1836		11.577238	

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	50.7			0.23769	1
1	3	20	67.7	1464	1093	1.594062	
2	2	6	96.4	1598		2.484147	
3	2	11	68.7	1722		3.662283	
4	3	12	99.1	1144	1769	4.632802	
5	2	14	99.7	1777		5.115354	
6	3	8	86.4	1037	1413	6.001732	
7	2	20	58.8	1088		7.964014	
8	2	18	52.7	1230		8.189848	
9	3	17	67.1	1013	1542	9.980478	
10	3	19	57	1528	1090	10.402343	
11	3	9	70	1999	1699	11.252176	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	86.2	1407		0.11875	1
1	3	9	56.8	1080	1197	0.891166	
2	3	13	80.1	1244	1206	1.907654	
3	2	12	84.1	1468		2.276417	
4	3	19	64.3	1353	1369	2.738417	
5	1	13	62.2			3.842781	
6	2	18	67.5	1547		4.587542	
7	2	12	86.7	1977		4.741988	
8	3	5	52.2	1904	1943	5.425174	
9	1	8	60.4			6.395436	
10	1	6	71.2			6.83929	
11	3	17	50.8	1149	1999	7.808897	
12	1	12	89.4			8.283853	
13	3	16	53.6	1121	1894	9.294973	
14	3	17	86.1	1785	1335	9.341039	
15	2	9	99.6	1141		10.128584	
16	2	14	74.9	1169		11.220706	
17	2	13	62.8	1374		11.57685	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	78.3	1742	1437	0.312117	1
1	2	6	74.5	1998		0.986077	
2	2	9	77.7	1031		1.677029	
3	1	14	94.8			2.462709	
4	2	5	95	1226		2.792193	
5	2	15	50.5	1887		3.445171	
6	2	10	76.7	1934		4.320332	
7	1	10	72.9			4.516479	
8	1	20	64.3			5.477229	
9	2	19	78.6	1386		5.888505	
10	1	5	92.1			6.619444	
11	2	16	61.7	1377		7.158689	
12	3	19	55.3	1547	1398	7.87095	
13	1	14	69.3			8.769092	
14	2	16	68.3	1101		9.113312	
15	2	16	58.8	1827		10.086549	
16	2	11	55.4	1082		10.322982	
17	2	7	70.1	1417		11.119175	
18	2	9	56.6	1661		11.633613	

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	73.3			0.366571	
1	3	7	97.5	1346	1022	1.052377	
2	2	17	89	1861		1.810334	
3	2	19	57.3	1324		2.435489	
4	3	17	74.1	1901	1254	3.225654	
5	3	11	99.7	1403	1432	3.536241	
6	3	12	86.3	1499	1214	4.00211	
7	3	9	71.3	1221	1254	5.016639	
8	2	18	66.3	1314		5.363006	
9	3	13	99	1207	1711	6.08938	1
10	3	8	89	1494	1555	6.699652	
11	3	18	89.4	1591	1498	7.475286	
12	2	7	86.2	1732		8.532086	
13	2	12	53.7	1637		8.878314	
14	2	12	66.7	1141		9.50615	
15	2	13	89.4	1473		10.13367	
16	2	13	59.2	1262		11.039916	
17	2	10	93	1663		11.942276	

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	98.4	1824		0.738983	
1	1	16	57.9			1.96955	
2	2	17	84.3	1874		2.425001	
3	2	13	99.4	1082		4.212025	
4	1	18	81.3			5.516071	1
5	1	18	60.8			6.991359	
6	2	6	82.5	1026		7.478183	
7	1	18	75			9.078013	
8	2	8	98.1	1479		9.766059	
9	3	8	67.4	1610	1815	11.793529	

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	67.3	1275		0.250718	
1	2	17	72.7	1825		1.137793	
2	3	17	77.2	1028	1857	1.597873	
3	3	8	76.5	1877	1140	2.001439	
4	1	9	92.9			3.260038	
5	1	9	95.4			3.556367	
6	1	11	51.5			4.576652	
7	1	7	92.5			5.125345	
8	3	20	65.3	1437	1821	5.377712	
9	3	16	72.8	1041	1124	6.251073	1
10	1	13	99.9			7.245563	
11	3	6	91.3	1528	1341	7.828495	
12	3	8	53.4	1688	1070	8.371884	
13	2	18	99.2	1101		9.022346	
14	1	5	68.3			9.762917	
15	1	18	97.1			10.190653	
16	1	9	96.4			11.126593	
17	3	14	99.4	1602	1921	11.431412	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	99.9			0.330645	
1	1	10	68.9			1.779186	
2	3	18	69.6	1990	1002	2.615588	
3	3	14	76	1116	1079	3.544175	
4	2	7	60.1	1065		4.940054	
5	3	17	67.5	1699	1991	5.218636	1
6	3	20	80.8	1920	1302	6.842489	
7	1	8	98.1			7.973063	
8	2	19	71	1068		8.255032	
9	2	11	71.7	1668		9.669911	
10	2	6	88.8	1278		10.995312	
11	2	17	87.7	1646		11.501357	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	59.9	1868		0.556157	1
1	3	17	65.5	1210	1937	0.898603	
2	2	10	71.1	1329		1.604622	
3	1	8	59.7			2.083007	
4	2	5	93.2	1586		2.776112	
5	3	18	72.5	1554	1873	3.222298	
6	2	17	65	1939		4.272597	
7	2	19	84.1	1730		4.637013	
8	2	15	96.7	1480		5.101198	
9	1	19	58.6			5.989866	
10	2	19	90.9	1530		6.531154	
11	2	11	81.9	1168		6.976015	
12	1	10	94.3			7.739457	
13	3	6	60.4	1120	1203	8.563243	
14	2	20	93.2	1336		9.121935	
15	3	15	97.9	1042	1189	9.718872	
16	2	7	54.3	1659		10.39526	
17	3	11	97.4	1420	1251	10.806286	
18	2	18	72	1889		11.611355	

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	5618.0, 5514.0, 5450.0, 5344.0, 5420.0, 5577.0, 5331.0, 5588.0, 5286.0, 5546.0, 5716.0, 5419.0, 5614.0, 5391.0, 5296.0, 5377.0, 5584.0, 5583.0, 5276.0, 5600.0, 5532.0, 5433.0, 5470.0, 5590.0, 5477.0, 5353.0, 5455.0, 5519.0, 5323.0, 5418.0, 5407.0, 5465.0, 5441.0, 5432.0, 5449.0, 5273.0, 5571.0, 5320.0, 5548.0, 5257.0, 5485.0, 5719.0, 5361.0, 5631.0, 5414.0, 5543.0, 5448.0, 5701.0, 5409.0, 5259.0, 5647.0, 5679.0, 5656.0, 5547.0, 5338.0, 5535.0, 5652.0, 5339.0, 5687.0, 5382.0, 5658.0, 5307.0, 5637.0, 5402.0, 5371.0, 5428.0, 5430.0, 5670.0, 5557.0, 5460.0, 5668.0, 5304.0, 5617.0, 5653.0, 5300.0, 5587.0, 5443.0, 5651.0, 5718.0, 5607.0, 5263.0, 5638.0, 5724.0, 5425.0, 5568.0, 5635.0, 5553.0, 5576.0, 5442.0, 5517.0, 5340.0, 5680.0, 5308.0, 5505.0, 5290.0, 5506.0, 5707.0, 5250.0, 5594.0, 5468.0 (number of hits: 7)
2	5550	9	1	333	1	5494.0, 5563.0, 5308.0, 5577.0, 5264.0, 5607.0, 5499.0, 5621.0, 5316.0, 5558.0, 5569.0, 5567.0, 5401.0, 5522.0, 5516.0, 5601.0, 5465.0, 5312.0, 5318.0, 5437.0, 5652.0, 5496.0, 5305.0, 5580.0, 5630.0, 5650.0, 5258.0, 5546.0, 5456.0, 5337.0, 5294.0, 5379.0, 5292.0, 5463.0, 5504.0, 5409.0, 5425.0, 5535.0, 5554.0, 5598.0, 5618.0, 5617.0, 5538.0, 5355.0, 5459.0, 5692.0, 5287.0, 5450.0, 5591.0, 5634.0, 5372.0, 5262.0, 5627.0, 5454.0, 5710.0, 5693.0, 5472.0, 5265.0, 5302.0, 5453.0, 5585.0, 5503.0, 5331.0, 5387.0, 5653.0, 5272.0, 5273.0, 5510.0, 5483.0, 5655.0, 5674.0, 5528.0, 5603.0, 5295.0, 5532.0, 5338.0, 5267.0, 5576.0, 5624.0, 5696.0, 5574.0, 5314.0, 5417.0, 5365.0, 5271.0, 5588.0, 5321.0, 5263.0, 5290.0, 5672.0, 5493.0, 5303.0, 5488.0, 5714.0, 5686.0, 5276.0, 5632.0, 5552.0, 5623.0, 5359.0 (number of hits: 11)
3	5550	9	1	333	1	5481.0, 5505.0, 5426.0, 5659.0, 5619.0, 5550.0, 5539.0, 5286.0, 5422.0, 5663.0, 5350.0, 5609.0, 5483.0, 5277.0, 5510.0, 5577.0, 5537.0, 5304.0, 5478.0, 5561.0, 5400.0, 5281.0, 5393.0, 5502.0, 5630.0, 5297.0, 5683.0, 5579.0, 5674.0, 5319.0, 5271.0, 5563.0, 5336.0, 5264.0, 5388.0, 5702.0, 5687.0, 5332.0, 5357.0, 5447.0, 5694.0, 5404.0, 5582.0, 5606.0, 5660.0, 5645.0, 5712.0, 5534.0, 5317.0, 5392.0, 5503.0, 5705.0, 5557.0, 5536.0, 5583.0, 5560.0, 5646.0, 5690.0, 5425.0, 5365.0,

						5480.0, 5473.0, 5548.0, 5578.0, 5464.0, 5307.0, 5402.0, 5355.0, 5360.0, 5506.0, 5672.0, 5631.0, 5374.0, 5706.0, 5625.0, 5685.0, 5622.0, 5252.0, 5462.0, 5278.0, 5380.0, 5576.0, 5255.0, 5457.0, 5450.0, 5644.0, 5395.0, 5270.0, 5516.0, 5676.0, 5275.0, 5384.0, 5531.0, 5289.0, 5696.0, 5397.0, 5573.0, 5671.0, 5523.0, 5500.0 (number of hits: 5)
4	5550	9	1	333	1	5585.0, 5381.0, 5617.0, 5399.0, 5428.0, 5612.0, 5634.0, 5599.0, 5450.0, 5543.0, 5533.0, 5390.0, 5271.0, 5544.0, 5707.0, 5691.0, 5358.0, 5456.0, 5444.0, 5515.0, 5575.0, 5386.0, 5298.0, 5354.0, 5660.0, 5697.0, 5580.0, 5718.0, 5430.0, 5624.0, 5709.0, 5549.0, 5473.0, 5574.0, 5609.0, 5601.0, 5471.0, 5260.0, 5373.0, 5629.0, 5375.0, 5447.0, 5365.0, 5529.0, 5454.0, 5635.0, 5656.0, 5406.0, 5620.0, 5353.0, 5286.0, 5463.0, 5531.0, 5369.0, 5716.0, 5717.0, 5536.0, 5294.0, 5481.0, 5401.0, 5537.0, 5527.0, 5266.0, 5439.0, 5383.0, 5668.0, 5693.0, 5502.0, 5497.0, 5407.0, 5621.0, 5595.0, 5669.0, 5618.0, 5721.0, 5600.0, 5570.0, 5614.0, 5277.0, 5402.0, 5638.0, 5608.0, 5545.0, 5435.0, 5696.0, 5341.0, 5602.0, 5528.0, 5319.0, 5628.0, 5308.0, 5558.0, 5334.0, 5315.0, 5538.0, 5325.0, 5474.0, 5330.0, 5546.0, 5633.0 (number of hits: 4)
5	5550	9	1	333	1	5539.0, 5566.0, 5258.0, 5398.0, 5549.0, 5689.0, 5490.0, 5548.0, 5277.0, 5607.0, 5648.0, 5453.0, 5319.0, 5455.0, 5692.0, 5615.0, 5654.0, 5255.0, 5647.0, 5600.0, 5699.0, 5422.0, 5577.0, 5496.0, 5723.0, 5327.0, 5432.0, 5457.0, 5338.0, 5485.0, 5252.0, 5540.0, 5591.0, 5289.0, 5283.0, 5320.0, 5552.0, 5657.0, 5575.0, 5635.0, 5632.0, 5302.0, 5469.0, 5697.0, 5507.0, 5325.0, 5492.0, 5352.0, 5464.0, 5609.0, 5659.0, 5700.0, 5724.0, 5661.0, 5569.0, 5497.0, 5297.0, 5293.0, 5605.0, 5278.0, 5341.0, 5514.0, 5276.0, 5583.0, 5677.0, 5409.0, 5408.0, 5471.0, 5691.0, 5624.0, 5509.0, 5512.0, 5712.0, 5669.0, 5396.0, 5256.0, 5630.0, 5698.0, 5560.0, 5693.0, 5275.0, 5702.0, 5706.0, 5452.0, 5686.0, 5477.0, 5687.0, 5349.0, 5397.0, 5546.0, 5298.0, 5254.0, 5379.0, 5619.0, 5378.0, 5588.0, 5423.0, 5571.0, 5386.0, 5299.0 (number of hits: 6)
6	5550	9	1	333	1	5604.0, 5566.0, 5696.0, 5587.0, 5263.0, 5626.0, 5456.0, 5266.0, 5701.0, 5622.0, 5723.0, 5454.0, 5677.0, 5606.0, 5418.0, 5267.0, 5423.0, 5261.0, 5379.0, 5483.0, 5595.0, 5511.0, 5707.0, 5578.0, 5690.0, 5331.0, 5719.0, 5584.0, 5274.0, 5337.0, 5352.0, 5666.0, 5328.0, 5273.0, 5663.0, 5251.0, 5491.0, 5407.0, 5433.0, 5360.0,

						5486.0, 5528.0, 5529.0, 5415.0, 5588.0, 5618.0, 5413.0, 5357.0, 5642.0, 5721.0, 5399.0, 5708.0, 5390.0, 5716.0, 5611.0, 5398.0, 5669.0, 5383.0, 5343.0, 5575.0, 5675.0, 5424.0, 5272.0, 5365.0, 5397.0, 5366.0, 5658.0, 5504.0, 5539.0, 5674.0, 5293.0, 5431.0, 5471.0, 5700.0, 5572.0, 5495.0, 5405.0, 5582.0, 5269.0, 5718.0, 5682.0, 5623.0, 5713.0, 5506.0, 5378.0, 5332.0, 5653.0, 5630.0, 5568.0, 5386.0, 5540.0, 5318.0, 5311.0, 5589.0, 5665.0, 5460.0, 5617.0, 5449.0, 5344.0, 5631.0 (number of hits: 2)
7	5550	9	1	333	1	5511.0, 5575.0, 5510.0, 5467.0, 5710.0, 5252.0, 5498.0, 5721.0, 5345.0, 5367.0, 5293.0, 5662.0, 5429.0, 5327.0, 5678.0, 5404.0, 5388.0, 5513.0, 5381.0, 5332.0, 5479.0, 5457.0, 5531.0, 5393.0, 5591.0, 5669.0, 5627.0, 5589.0, 5645.0, 5294.0, 5695.0, 5450.0, 5454.0, 5680.0, 5462.0, 5525.0, 5432.0, 5568.0, 5488.0, 5305.0, 5718.0, 5456.0, 5485.0, 5491.0, 5565.0, 5278.0, 5620.0, 5287.0, 5528.0, 5284.0, 5519.0, 5635.0, 5473.0, 5352.0, 5722.0, 5558.0, 5505.0, 5682.0, 5402.0, 5687.0, 5546.0, 5632.0, 5301.0, 5325.0, 5387.0, 5347.0, 5634.0, 5275.0, 5601.0, 5604.0, 5684.0, 5267.0, 5593.0, 5282.0, 5671.0, 5564.0, 5557.0, 5724.0, 5595.0, 5572.0, 5283.0, 5681.0, 5657.0, 5521.0, 5394.0, 5579.0, 5403.0, 5480.0, 5437.0, 5419.0, 5255.0, 5359.0, 5537.0, 5492.0, 5526.0, 5538.0, 5497.0, 5688.0, 5323.0, 5507.0 (number of hits: 5)
8	5550	9	1	333	1	5720.0, 5602.0, 5397.0, 5423.0, 5516.0, 5654.0, 5292.0, 5463.0, 5643.0, 5572.0, 5652.0, 5338.0, 5489.0, 5546.0, 5656.0, 5252.0, 5369.0, 5714.0, 5383.0, 5517.0, 5706.0, 5363.0, 5446.0, 5667.0, 5543.0, 5615.0, 5286.0, 5687.0, 5528.0, 5647.0, 5672.0, 5326.0, 5428.0, 5309.0, 5532.0, 5393.0, 5415.0, 5332.0, 5565.0, 5644.0, 5313.0, 5678.0, 5648.0, 5703.0, 5262.0, 5430.0, 5719.0, 5593.0, 5327.0, 5296.0, 5429.0, 5418.0, 5681.0, 5589.0, 5315.0, 5436.0, 5280.0, 5524.0, 5255.0, 5684.0, 5553.0, 5663.0, 5609.0, 5555.0, 5339.0, 5314.0, 5713.0, 5539.0, 5709.0, 5483.0, 5432.0, 5529.0, 5308.0, 5633.0, 5367.0, 5591.0, 5291.0, 5375.0, 5495.0, 5302.0, 5547.0, 5295.0, 5388.0, 5256.0, 5512.0, 5621.0, 5550.0, 5311.0, 5497.0, 5671.0, 5594.0, 5451.0, 5260.0, 5405.0, 5685.0, 5519.0, 5500.0, 5384.0, 5557.0, 5491.0 (number of hits: 11)
9	5550	9	1	333	1	5673.0, 5718.0, 5343.0, 5503.0, 5522.0, 5353.0, 5445.0, 5639.0, 5264.0, 5686.0, 5504.0, 5287.0, 5450.0, 5304.0, 5492.0, 5709.0, 5436.0, 5688.0, 5597.0, 5575.0,

						5690.0, 5374.0, 5417.0, 5469.0, 5377.0, 5661.0, 5432.0, 5259.0, 5454.0, 5302.0, 5384.0, 5482.0, 5549.0, 5547.0, 5395.0, 5662.0, 5426.0, 5628.0, 5381.0, 5386.0, 5299.0, 5340.0, 5543.0, 5402.0, 5714.0, 5570.0, 5523.0, 5460.0, 5508.0, 5620.0, 5617.0, 5521.0, 5657.0, 5464.0, 5646.0, 5599.0, 5561.0, 5350.0, 5405.0, 5695.0, 5495.0, 5557.0, 5327.0, 5511.0, 5276.0, 5311.0, 5588.0, 5339.0, 5404.0, 5720.0, 5265.0, 5307.0, 5545.0, 5499.0, 5269.0, 5347.0, 5334.0, 5578.0, 5528.0, 5615.0, 5507.0, 5324.0, 5580.0, 5538.0, 5441.0, 5574.0, 5280.0, 5685.0, 5261.0, 5271.0, 5674.0, 5568.0, 5719.0, 5285.0, 5627.0, 5467.0, 5268.0, 5546.0, 5589.0, 5431.0 (number of hits: 7)
10	5550	9	1	333	1	5712.0, 5459.0, 5644.0, 5342.0, 5608.0, 5290.0, 5645.0, 5621.0, 5422.0, 5453.0, 5674.0, 5281.0, 5476.0, 5558.0, 5371.0, 5583.0, 5445.0, 5653.0, 5278.0, 5682.0, 5472.0, 5456.0, 5547.0, 5652.0, 5360.0, 5536.0, 5271.0, 5424.0, 5431.0, 5503.0, 5402.0, 5285.0, 5624.0, 5304.0, 5463.0, 5510.0, 5404.0, 5269.0, 5494.0, 5636.0, 5708.0, 5398.0, 5699.0, 5295.0, 5675.0, 5268.0, 5425.0, 5678.0, 5639.0, 5574.0, 5648.0, 5413.0, 5374.0, 5420.0, 5454.0, 5305.0, 5475.0, 5451.0, 5657.0, 5416.0, 5384.0, 5298.0, 5564.0, 5265.0, 5664.0, 5590.0, 5512.0, 5517.0, 5253.0, 5571.0, 5428.0, 5481.0, 5526.0, 5584.0, 5666.0, 5497.0, 5412.0, 5331.0, 5706.0, 5468.0, 5417.0, 5344.0, 5588.0, 5604.0, 5505.0, 5698.0, 5358.0, 5289.0, 5532.0, 5377.0, 5683.0, 5545.0, 5367.0, 5695.0, 5379.0, 5601.0, 5640.0, 5394.0, 5492.0, 5616.0 (number of hits: 7)
11	5550	9	1	333	1	5609.0, 5697.0, 5685.0, 5638.0, 5665.0, 5602.0, 5349.0, 5577.0, 5646.0, 5626.0, 5616.0, 5516.0, 5435.0, 5504.0, 5588.0, 5620.0, 5660.0, 5254.0, 5263.0, 5648.0, 5358.0, 5363.0, 5644.0, 5521.0, 5537.0, 5482.0, 5421.0, 5706.0, 5287.0, 5503.0, 5423.0, 5434.0, 5573.0, 5391.0, 5360.0, 5442.0, 5285.0, 5512.0, 5402.0, 5662.0, 5318.0, 5663.0, 5550.0, 5649.0, 5319.0, 5720.0, 5303.0, 5547.0, 5352.0, 5289.0, 5579.0, 5661.0, 5337.0, 5379.0, 5717.0, 5572.0, 5346.0, 5676.0, 5366.0, 5690.0, 5659.0, 5276.0, 5627.0, 5561.0, 5342.0, 5333.0, 5526.0, 5461.0, 5707.0, 5378.0, 5608.0, 5295.0, 5250.0, 5703.0, 5522.0, 5715.0, 5539.0, 5492.0, 5593.0, 5508.0, 5372.0, 5419.0, 5389.0, 5466.0, 5458.0, 5374.0, 5455.0, 5622.0, 5629.0, 5507.0, 5594.0, 5298.0, 5401.0, 5528.0, 5253.0, 5397.0, 5436.0, 5525.0, 5369.0, 5635.0 (number of hits: 6)

12	5550	9	1	333	1	5451.0, 5538.0, 5470.0, 5540.0, 5447.0, 5333.0, 5280.0, 5351.0, 5354.0, 5530.0, 5341.0, 5682.0, 5389.0, 5613.0, 5510.0, 5458.0, 5300.0, 5511.0, 5365.0, 5629.0, 5649.0, 5680.0, 5527.0, 5501.0, 5262.0, 5564.0, 5552.0, 5571.0, 5536.0, 5464.0, 5575.0, 5450.0, 5260.0, 5563.0, 5324.0, 5605.0, 5711.0, 5476.0, 5676.0, 5449.0, 5553.0, 5428.0, 5395.0, 5706.0, 5685.0, 5475.0, 5625.0, 5493.0, 5285.0, 5535.0, 5675.0, 5668.0, 5421.0, 5481.0, 5393.0, 5583.0, 5718.0, 5385.0, 5594.0, 5259.0, 5637.0, 5722.0, 5330.0, 5277.0, 5467.0, 5661.0, 5502.0, 5537.0, 5659.0, 5307.0, 5373.0, 5601.0, 5600.0, 5500.0, 5376.0, 5592.0, 5283.0, 5263.0, 5422.0, 5423.0, 5288.0, 5671.0, 5342.0, 5617.0, 5463.0, 5516.0, 5480.0, 5361.0, 5544.0, 5673.0, 5523.0, 5604.0, 5441.0, 5436.0, 5276.0, 5599.0, 5309.0, 5576.0, 5256.0, 5290.0 (number of hits: 6)
13	5550	9	1	333	1	5565.0, 5504.0, 5327.0, 5706.0, 5425.0, 5672.0, 5421.0, 5572.0, 5545.0, 5551.0, 5644.0, 5636.0, 5488.0, 5548.0, 5674.0, 5712.0, 5543.0, 5256.0, 5454.0, 5574.0, 5307.0, 5542.0, 5380.0, 5718.0, 5556.0, 5384.0, 5365.0, 5679.0, 5324.0, 5606.0, 5599.0, 5473.0, 5422.0, 5417.0, 5289.0, 5323.0, 5596.0, 5682.0, 5717.0, 5613.0, 5344.0, 5591.0, 5647.0, 5685.0, 5713.0, 5721.0, 5710.0, 5493.0, 5524.0, 5262.0, 5428.0, 5624.0, 5525.0, 5304.0, 5294.0, 5600.0, 5445.0, 5639.0, 5576.0, 5409.0, 5338.0, 5513.0, 5627.0, 5308.0, 5337.0, 5390.0, 5582.0, 5335.0, 5683.0, 5455.0, 5257.0, 5506.0, 5719.0, 5352.0, 5501.0, 5554.0, 5514.0, 5459.0, 5258.0, 5714.0, 5401.0, 5651.0, 5260.0, 5699.0, 5593.0, 5569.0, 5252.0, 5529.0, 5540.0, 5533.0, 5250.0, 5607.0, 5415.0, 5429.0, 5413.0, 5698.0, 5420.0, 5652.0, 5472.0, 5301.0 (number of hits: 6)
14	5550	9	1	333	1	5615.0, 5288.0, 5380.0, 5525.0, 5292.0, 5647.0, 5309.0, 5678.0, 5562.0, 5540.0, 5323.0, 5681.0, 5436.0, 5721.0, 5652.0, 5303.0, 5410.0, 5673.0, 5475.0, 5404.0, 5398.0, 5408.0, 5631.0, 5281.0, 5315.0, 5282.0, 5308.0, 5509.0, 5557.0, 5685.0, 5715.0, 5625.0, 5583.0, 5633.0, 5304.0, 5668.0, 5270.0, 5700.0, 5718.0, 5362.0, 5597.0, 5663.0, 5616.0, 5637.0, 5680.0, 5273.0, 5457.0, 5622.0, 5276.0, 5453.0, 5314.0, 5342.0, 5482.0, 5400.0, 5521.0, 5275.0, 5536.0, 5401.0, 5545.0, 5477.0, 5435.0, 5635.0, 5688.0, 5611.0, 5705.0, 5503.0, 5544.0, 5690.0, 5372.0, 5541.0, 5499.0, 5580.0, 5565.0, 5664.0, 5699.0, 5267.0, 5352.0, 5513.0, 5332.0, 5574.0, 5542.0, 5291.0, 5563.0, 5353.0, 5252.0,

						5612.0, 5696.0, 5539.0, 5260.0, 5586.0, 5271.0, 5659.0, 5305.0, 5693.0, 5535.0, 5483.0, 5459.0, 5365.0, 5424.0, 5382.0 (number of hits: 9)
15	5550	9	1	333	1	5260.0, 5711.0, 5317.0, 5544.0, 5680.0, 5712.0, 5720.0, 5485.0, 5617.0, 5503.0, 5257.0, 5630.0, 5415.0, 5320.0, 5614.0, 5278.0, 5412.0, 5571.0, 5394.0, 5493.0, 5404.0, 5705.0, 5472.0, 5274.0, 5396.0, 5589.0, 5592.0, 5256.0, 5422.0, 5417.0, 5354.0, 5533.0, 5424.0, 5407.0, 5562.0, 5365.0, 5452.0, 5510.0, 5440.0, 5494.0, 5526.0, 5259.0, 5337.0, 5444.0, 5622.0, 5426.0, 5672.0, 5706.0, 5655.0, 5445.0, 5286.0, 5668.0, 5584.0, 5653.0, 5704.0, 5642.0, 5364.0, 5453.0, 5590.0, 5400.0, 5338.0, 5505.0, 5673.0, 5695.0, 5333.0, 5263.0, 5632.0, 5273.0, 5501.0, 5698.0, 5421.0, 5663.0, 5325.0, 5613.0, 5439.0, 5289.0, 5651.0, 5379.0, 5314.0, 5603.0, 5686.0, 5465.0, 5279.0, 5556.0, 5627.0, 5523.0, 5597.0, 5624.0, 5392.0, 5388.0, 5405.0, 5410.0, 5633.0, 5701.0, 5717.0, 5371.0, 5313.0, 5709.0, 5353.0, 5621.0 (number of hits: 4)
16	5550	9	1	333	1	5543.0, 5630.0, 5576.0, 5282.0, 5506.0, 5531.0, 5713.0, 5254.0, 5368.0, 5537.0, 5701.0, 5332.0, 5392.0, 5550.0, 5260.0, 5293.0, 5270.0, 5709.0, 5569.0, 5564.0, 5349.0, 5481.0, 5589.0, 5283.0, 5549.0, 5290.0, 5562.0, 5507.0, 5390.0, 5538.0, 5364.0, 5617.0, 5603.0, 5280.0, 5703.0, 5516.0, 5458.0, 5302.0, 5435.0, 5654.0, 5266.0, 5653.0, 5485.0, 5583.0, 5441.0, 5422.0, 5361.0, 5292.0, 5519.0, 5446.0, 5385.0, 5655.0, 5578.0, 5714.0, 5317.0, 5667.0, 5499.0, 5475.0, 5299.0, 5575.0, 5413.0, 5455.0, 5421.0, 5696.0, 5315.0, 5634.0, 5428.0, 5691.0, 5554.0, 5480.0, 5365.0, 5312.0, 5453.0, 5295.0, 5557.0, 5580.0, 5716.0, 5370.0, 5675.0, 5496.0, 5711.0, 5301.0, 5559.0, 5440.0, 5357.0, 5468.0, 5544.0, 5631.0, 5431.0, 5339.0, 5614.0, 5264.0, 5252.0, 5503.0, 5319.0, 5533.0, 5351.0, 5673.0, 5452.0, 5644.0 (number of hits: 8)
17	5550	9	1	333	1	5548.0, 5612.0, 5547.0, 5438.0, 5575.0, 5293.0, 5695.0, 5479.0, 5455.0, 5534.0, 5664.0, 5596.0, 5414.0, 5371.0, 5520.0, 5409.0, 5406.0, 5297.0, 5400.0, 5464.0, 5606.0, 5493.0, 5526.0, 5391.0, 5693.0, 5673.0, 5660.0, 5439.0, 5671.0, 5631.0, 5484.0, 5515.0, 5291.0, 5556.0, 5412.0, 5640.0, 5379.0, 5294.0, 5706.0, 5424.0, 5529.0, 5262.0, 5301.0, 5356.0, 5256.0, 5289.0, 5628.0, 5681.0, 5366.0, 5252.0, 5408.0, 5298.0, 5331.0, 5279.0, 5330.0, 5407.0, 5378.0, 5585.0, 5267.0, 5665.0, 5563.0, 5465.0, 5418.0, 5518.0, 5708.0,

						5701.0, 5451.0, 5350.0, 5689.0, 5686.0, 5319.0, 5352.0, 5487.0, 5290.0, 5530.0, 5510.0, 5250.0, 5457.0, 5677.0, 5625.0, 5674.0, 5310.0, 5274.0, 5654.0, 5462.0, 5368.0, 5638.0, 5668.0, 5305.0, 5608.0, 5574.0, 5280.0, 5328.0, 5311.0, 5584.0, 5637.0, 5680.0, 5259.0, 5393.0, 5404.0 (number of hits: 11)
18	5550	9	1	333	1	5510.0, 5645.0, 5651.0, 5303.0, 5473.0, 5634.0, 5594.0, 5320.0, 5435.0, 5597.0, 5524.0, 5342.0, 5256.0, 5403.0, 5646.0, 5509.0, 5706.0, 5650.0, 5363.0, 5253.0, 5471.0, 5617.0, 5466.0, 5297.0, 5685.0, 5308.0, 5595.0, 5550.0, 5299.0, 5317.0, 5422.0, 5501.0, 5581.0, 5523.0, 5602.0, 5639.0, 5359.0, 5383.0, 5464.0, 5631.0, 5448.0, 5518.0, 5302.0, 5405.0, 5683.0, 5609.0, 5380.0, 5630.0, 5465.0, 5717.0, 5709.0, 5390.0, 5376.0, 5345.0, 5293.0, 5584.0, 5379.0, 5588.0, 5618.0, 5496.0, 5553.0, 5349.0, 5311.0, 5516.0, 5485.0, 5347.0, 5431.0, 5661.0, 5532.0, 5502.0, 5641.0, 5574.0, 5332.0, 5419.0, 5690.0, 5287.0, 5369.0, 5540.0, 5687.0, 5412.0, 5536.0, 5421.0, 5346.0, 5451.0, 5476.0, 5484.0, 5542.0, 5707.0, 5316.0, 5652.0, 5691.0, 5640.0, 5350.0, 5608.0, 5572.0, 5718.0, 5664.0, 5513.0, 5514.0, 5371.0 (number of hits: 8)
19	5550	9	1	333	1	5367.0, 5546.0, 5690.0, 5625.0, 5343.0, 5563.0, 5605.0, 5643.0, 5572.0, 5486.0, 5588.0, 5696.0, 5448.0, 5315.0, 5368.0, 5721.0, 5251.0, 5709.0, 5312.0, 5703.0, 5707.0, 5650.0, 5461.0, 5305.0, 5322.0, 5631.0, 5530.0, 5722.0, 5719.0, 5561.0, 5339.0, 5506.0, 5610.0, 5527.0, 5250.0, 5414.0, 5348.0, 5500.0, 5501.0, 5451.0, 5347.0, 5363.0, 5489.0, 5470.0, 5292.0, 5293.0, 5354.0, 5412.0, 5267.0, 5375.0, 5440.0, 5452.0, 5437.0, 5698.0, 5505.0, 5420.0, 5524.0, 5303.0, 5266.0, 5539.0, 5609.0, 5386.0, 5277.0, 5455.0, 5301.0, 5586.0, 5503.0, 5560.0, 5355.0, 5516.0, 5649.0, 5382.0, 5286.0, 5378.0, 5723.0, 5469.0, 5536.0, 5256.0, 5446.0, 5658.0, 5344.0, 5480.0, 5695.0, 5394.0, 5602.0, 5525.0, 5670.0, 5358.0, 5663.0, 5607.0, 5683.0, 5710.0, 5447.0, 5325.0, 5526.0, 5384.0, 5548.0, 5425.0, 5701.0, 5357.0 (number of hits: 7)
20	5550	9	1	333	1	5412.0, 5448.0, 5441.0, 5631.0, 5633.0, 5709.0, 5586.0, 5322.0, 5553.0, 5344.0, 5632.0, 5262.0, 5478.0, 5656.0, 5482.0, 5671.0, 5561.0, 5370.0, 5535.0, 5511.0, 5284.0, 5716.0, 5537.0, 5603.0, 5289.0, 5416.0, 5687.0, 5559.0, 5337.0, 5298.0, 5338.0, 5666.0, 5434.0, 5424.0, 5377.0, 5529.0, 5252.0, 5481.0, 5428.0, 5386.0, 5519.0, 5685.0, 5437.0, 5705.0, 5311.0,

						5710.0, 5577.0, 5512.0, 5621.0, 5673.0, 5525.0, 5312.0, 5700.0, 5690.0, 5435.0, 5595.0, 5433.0, 5648.0, 5466.0, 5476.0, 5707.0, 5372.0, 5530.0, 5640.0, 5378.0, 5522.0, 5472.0, 5514.0, 5290.0, 5509.0, 5588.0, 5385.0, 5718.0, 5643.0, 5452.0, 5303.0, 5447.0, 5411.0, 5505.0, 5272.0, 5380.0, 5704.0, 5557.0, 5634.0, 5288.0, 5524.0, 5691.0, 5446.0, 5582.0, 5373.0, 5438.0, 5454.0, 5676.0, 5351.0, 5617.0, 5652.0, 5348.0, 5294.0, 5281.0, 5381.0 (number of hits: 8)
21	5550	9	1	333	1	5262.0, 5540.0, 5264.0, 5517.0, 5443.0, 5652.0, 5319.0, 5325.0, 5401.0, 5608.0, 5447.0, 5397.0, 5558.0, 5273.0, 5338.0, 5388.0, 5575.0, 5351.0, 5712.0, 5596.0, 5576.0, 5496.0, 5252.0, 5434.0, 5642.0, 5577.0, 5620.0, 5532.0, 5349.0, 5341.0, 5657.0, 5673.0, 5299.0, 5469.0, 5457.0, 5438.0, 5370.0, 5431.0, 5488.0, 5345.0, 5499.0, 5513.0, 5404.0, 5654.0, 5595.0, 5314.0, 5572.0, 5555.0, 5292.0, 5364.0, 5684.0, 5307.0, 5408.0, 5493.0, 5570.0, 5282.0, 5617.0, 5527.0, 5564.0, 5435.0, 5356.0, 5350.0, 5718.0, 5538.0, 5441.0, 5394.0, 5612.0, 5633.0, 5402.0, 5661.0, 5278.0, 5525.0, 5638.0, 5480.0, 5716.0, 5414.0, 5340.0, 5297.0, 5568.0, 5284.0, 5664.0, 5600.0, 5497.0, 5693.0, 5610.0, 5407.0, 5644.0, 5416.0, 5302.0, 5399.0, 5700.0, 5343.0, 5389.0, 5510.0, 5588.0, 5454.0, 5326.0, 5303.0, 5567.0, 5494.0 (number of hits: 7)
22	5550	9	1	333	1	5720.0, 5614.0, 5676.0, 5501.0, 5503.0, 5645.0, 5518.0, 5425.0, 5450.0, 5373.0, 5514.0, 5706.0, 5697.0, 5608.0, 5498.0, 5544.0, 5382.0, 5593.0, 5539.0, 5306.0, 5595.0, 5588.0, 5307.0, 5559.0, 5717.0, 5472.0, 5291.0, 5546.0, 5312.0, 5284.0, 5257.0, 5347.0, 5695.0, 5344.0, 5348.0, 5421.0, 5354.0, 5678.0, 5607.0, 5345.0, 5660.0, 5603.0, 5646.0, 5293.0, 5364.0, 5349.0, 5602.0, 5549.0, 5428.0, 5371.0, 5662.0, 5713.0, 5272.0, 5691.0, 5385.0, 5454.0, 5621.0, 5488.0, 5582.0, 5470.0, 5605.0, 5401.0, 5305.0, 5622.0, 5585.0, 5496.0, 5477.0, 5598.0, 5624.0, 5520.0, 5486.0, 5438.0, 5650.0, 5642.0, 5453.0, 5378.0, 5250.0, 5567.0, 5468.0, 5508.0, 5560.0, 5506.0, 5335.0, 5652.0, 5398.0, 5703.0, 5494.0, 5278.0, 5707.0, 5444.0, 5363.0, 5542.0, 5446.0, 5570.0, 5392.0, 5489.0, 5351.0, 5380.0, 5333.0, 5475.0 (number of hits: 6)
23	5550	9	1	333	1	5453.0, 5323.0, 5474.0, 5386.0, 5713.0, 5307.0, 5423.0, 5270.0, 5665.0, 5560.0, 5572.0, 5427.0, 5450.0, 5601.0, 5488.0, 5492.0, 5428.0, 5621.0, 5481.0, 5392.0, 5682.0, 5708.0, 5480.0, 5651.0, 5699.0,

						5710.0, 5424.0, 5616.0, 5420.0, 5570.0, 5449.0, 5308.0, 5612.0, 5306.0, 5388.0, 5294.0, 5542.0, 5465.0, 5327.0, 5398.0, 5265.0, 5622.0, 5387.0, 5585.0, 5692.0, 5615.0, 5304.0, 5610.0, 5696.0, 5446.0, 5498.0, 5506.0, 5540.0, 5311.0, 5705.0, 5647.0, 5516.0, 5411.0, 5712.0, 5285.0, 5332.0, 5278.0, 5595.0, 5356.0, 5543.0, 5664.0, 5716.0, 5271.0, 5580.0, 5564.0, 5635.0, 5476.0, 5667.0, 5523.0, 5459.0, 5701.0, 5717.0, 5513.0, 5566.0, 5546.0, 5550.0, 5486.0, 5561.0, 5412.0, 5611.0, 5434.0, 5297.0, 5688.0, 5370.0, 5317.0, 5303.0, 5273.0, 5365.0, 5483.0, 5495.0, 5531.0, 5354.0, 5357.0, 5678.0, 5390.0 (number of hits: 9)
24	5550	9	1	333	1	5258.0, 5656.0, 5716.0, 5367.0, 5638.0, 5687.0, 5413.0, 5686.0, 5377.0, 5355.0, 5474.0, 5356.0, 5416.0, 5642.0, 5292.0, 5337.0, 5659.0, 5634.0, 5689.0, 5544.0, 5262.0, 5701.0, 5318.0, 5579.0, 5660.0, 5365.0, 5276.0, 5460.0, 5491.0, 5254.0, 5539.0, 5327.0, 5280.0, 5319.0, 5599.0, 5718.0, 5696.0, 5475.0, 5576.0, 5673.0, 5386.0, 5662.0, 5285.0, 5528.0, 5707.0, 5492.0, 5389.0, 5723.0, 5286.0, 5651.0, 5372.0, 5419.0, 5428.0, 5572.0, 5606.0, 5335.0, 5585.0, 5433.0, 5519.0, 5284.0, 5664.0, 5497.0, 5629.0, 5406.0, 5615.0, 5287.0, 5412.0, 5647.0, 5641.0, 5538.0, 5329.0, 5471.0, 5711.0, 5369.0, 5470.0, 5631.0, 5326.0, 5608.0, 5609.0, 5670.0, 5393.0, 5420.0, 5614.0, 5271.0, 5682.0, 5294.0, 5465.0, 5546.0, 5554.0, 5584.0, 5339.0, 5612.0, 5453.0, 5625.0, 5588.0, 5311.0, 5353.0, 5265.0, 5272.0, 5649.0 (number of hits: 6)
25	5550	9	1	333	1	5419.0, 5452.0, 5495.0, 5393.0, 5521.0, 5577.0, 5626.0, 5700.0, 5579.0, 5547.0, 5295.0, 5508.0, 5685.0, 5424.0, 5308.0, 5280.0, 5364.0, 5552.0, 5436.0, 5457.0, 5573.0, 5663.0, 5454.0, 5410.0, 5706.0, 5695.0, 5514.0, 5314.0, 5711.0, 5292.0, 5260.0, 5311.0, 5655.0, 5554.0, 5328.0, 5687.0, 5630.0, 5298.0, 5474.0, 5496.0, 5383.0, 5439.0, 5601.0, 5434.0, 5432.0, 5492.0, 5345.0, 5536.0, 5525.0, 5605.0, 5340.0, 5513.0, 5382.0, 5447.0, 5644.0, 5453.0, 5662.0, 5341.0, 5697.0, 5517.0, 5284.0, 5398.0, 5619.0, 5406.0, 5254.0, 5486.0, 5563.0, 5657.0, 5283.0, 5692.0, 5263.0, 5590.0, 5533.0, 5478.0, 5352.0, 5394.0, 5656.0, 5339.0, 5468.0, 5270.0, 5258.0, 5327.0, 5504.0, 5288.0, 5681.0, 5509.0, 5690.0, 5376.0, 5580.0, 5386.0, 5631.0, 5411.0, 5375.0, 5329.0, 5604.0, 5588.0, 5636.0, 5698.0, 5268.0, 5395.0 (number of hits: 7)
26	5550	9	1	333	1	5393.0, 5636.0, 5331.0, 5413.0, 5620.0,

						5552.0, 5572.0, 5713.0, 5500.0, 5482.0, 5343.0, 5467.0, 5580.0, 5535.0, 5351.0, 5455.0, 5341.0, 5281.0, 5263.0, 5518.0, 5624.0, 5670.0, 5327.0, 5326.0, 5655.0, 5361.0, 5554.0, 5651.0, 5491.0, 5291.0, 5264.0, 5567.0, 5460.0, 5339.0, 5356.0, 5672.0, 5514.0, 5450.0, 5405.0, 5601.0, 5481.0, 5587.0, 5395.0, 5262.0, 5704.0, 5347.0, 5448.0, 5370.0, 5317.0, 5638.0, 5695.0, 5278.0, 5320.0, 5392.0, 5315.0, 5355.0, 5701.0, 5416.0, 5470.0, 5397.0, 5575.0, 5546.0, 5305.0, 5615.0, 5379.0, 5689.0, 5698.0, 5688.0, 5322.0, 5531.0, 5295.0, 5709.0, 5529.0, 5488.0, 5722.0, 5705.0, 5663.0, 5375.0, 5625.0, 5480.0, 5408.0, 5715.0, 5614.0, 5604.0, 5292.0, 5525.0, 5608.0, 5474.0, 5539.0, 5353.0, 5650.0, 5503.0, 5359.0, 5548.0, 5582.0, 5589.0, 5696.0, 5724.0, 5716.0, 5269.0 (number of hits: 4)
27	5550	9	1	333	1	5472.0, 5520.0, 5433.0, 5310.0, 5400.0, 5305.0, 5575.0, 5432.0, 5290.0, 5450.0, 5574.0, 5567.0, 5514.0, 5262.0, 5344.0, 5355.0, 5623.0, 5614.0, 5358.0, 5591.0, 5696.0, 5493.0, 5721.0, 5478.0, 5540.0, 5693.0, 5663.0, 5485.0, 5646.0, 5531.0, 5639.0, 5495.0, 5474.0, 5277.0, 5286.0, 5270.0, 5271.0, 5428.0, 5330.0, 5356.0, 5287.0, 5542.0, 5704.0, 5503.0, 5585.0, 5483.0, 5354.0, 5556.0, 5396.0, 5253.0, 5538.0, 5425.0, 5269.0, 5460.0, 5454.0, 5461.0, 5319.0, 5528.0, 5332.0, 5410.0, 5606.0, 5584.0, 5436.0, 5535.0, 5471.0, 5326.0, 5524.0, 5412.0, 5482.0, 5307.0, 5266.0, 5607.0, 5385.0, 5622.0, 5252.0, 5365.0, 5677.0, 5525.0, 5723.0, 5558.0, 5684.0, 5421.0, 5620.0, 5377.0, 5383.0, 5309.0, 5316.0, 5499.0, 5492.0, 5559.0, 5690.0, 5634.0, 5541.0, 5303.0, 5291.0, 5509.0, 5685.0, 5320.0, 5445.0, 5612.0 (number of hits: 9)
28	5550	9	1	333	1	5520.0, 5428.0, 5586.0, 5558.0, 5287.0, 5285.0, 5430.0, 5496.0, 5335.0, 5509.0, 5623.0, 5284.0, 5340.0, 5401.0, 5466.0, 5448.0, 5697.0, 5577.0, 5436.0, 5399.0, 5409.0, 5421.0, 5388.0, 5580.0, 5722.0, 5323.0, 5279.0, 5460.0, 5327.0, 5364.0, 5479.0, 5469.0, 5280.0, 5525.0, 5352.0, 5647.0, 5590.0, 5512.0, 5305.0, 5556.0, 5369.0, 5631.0, 5687.0, 5699.0, 5587.0, 5655.0, 5470.0, 5254.0, 5693.0, 5601.0, 5281.0, 5592.0, 5533.0, 5515.0, 5447.0, 5434.0, 5417.0, 5356.0, 5259.0, 5431.0, 5661.0, 5562.0, 5547.0, 5714.0, 5500.0, 5264.0, 5634.0, 5511.0, 5338.0, 5311.0, 5526.0, 5497.0, 5467.0, 5300.0, 5379.0, 5298.0, 5310.0, 5486.0, 5457.0, 5322.0, 5573.0, 5613.0, 5257.0, 5559.0, 5689.0, 5514.0, 5449.0, 5616.0, 5684.0, 5331.0,

						5710.0, 5636.0, 5682.0, 5389.0, 5313.0, 5309.0, 5521.0, 5628.0, 5433.0, 5361.0 (number of hits: 9)
29	5550	9	1	333	1	5532.0, 5260.0, 5311.0, 5608.0, 5472.0, 5530.0, 5399.0, 5588.0, 5704.0, 5414.0, 5718.0, 5357.0, 5528.0, 5681.0, 5485.0, 5393.0, 5580.0, 5461.0, 5405.0, 5553.0, 5567.0, 5574.0, 5325.0, 5346.0, 5373.0, 5445.0, 5587.0, 5371.0, 5642.0, 5541.0, 5633.0, 5707.0, 5513.0, 5605.0, 5568.0, 5680.0, 5348.0, 5424.0, 5378.0, 5347.0, 5327.0, 5478.0, 5367.0, 5540.0, 5677.0, 5575.0, 5510.0, 5577.0, 5430.0, 5324.0, 5549.0, 5586.0, 5282.0, 5299.0, 5411.0, 5500.0, 5415.0, 5647.0, 5572.0, 5427.0, 5482.0, 5272.0, 5341.0, 5301.0, 5253.0, 5450.0, 5262.0, 5618.0, 5331.0, 5388.0, 5536.0, 5557.0, 5361.0, 5328.0, 5306.0, 5382.0, 5437.0, 5624.0, 5611.0, 5436.0, 5693.0, 5377.0, 5407.0, 5544.0, 5409.0, 5476.0, 5662.0, 5559.0, 5687.0, 5467.0, 5358.0, 5353.0, 5514.0, 5682.0, 5266.0, 5715.0, 5551.0, 5495.0, 5423.0, 5592.0 (number of hits: 4)
30	5550	9	1	333	1	5455.0, 5443.0, 5298.0, 5647.0, 5702.0, 5432.0, 5483.0, 5324.0, 5485.0, 5662.0, 5502.0, 5421.0, 5407.0, 5320.0, 5599.0, 5682.0, 5366.0, 5604.0, 5645.0, 5639.0, 5608.0, 5425.0, 5606.0, 5670.0, 5280.0, 5701.0, 5623.0, 5500.0, 5655.0, 5638.0, 5581.0, 5561.0, 5543.0, 5487.0, 5687.0, 5343.0, 5436.0, 5260.0, 5388.0, 5679.0, 5255.0, 5448.0, 5458.0, 5481.0, 5356.0, 5319.0, 5592.0, 5676.0, 5290.0, 5556.0, 5596.0, 5510.0, 5677.0, 5607.0, 5546.0, 5617.0, 5582.0, 5597.0, 5453.0, 5535.0, 5680.0, 5438.0, 5672.0, 5524.0, 5625.0, 5630.0, 5369.0, 5716.0, 5441.0, 5346.0, 5654.0, 5293.0, 5559.0, 5635.0, 5373.0, 5420.0, 5714.0, 5478.0, 5705.0, 5294.0, 5549.0, 5497.0, 5659.0, 5363.0, 5288.0, 5494.0, 5442.0, 5370.0, 5669.0, 5469.0, 5408.0, 5614.0, 5317.0, 5590.0, 5586.0, 5649.0, 5699.0, 5482.0, 5577.0, 5477.0 (number of hits: 5)

5290 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	96.65 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1 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	74	1	718	1
3	5290	63	1	838	1
4	5290	57	1	938	1
5	5290	99	1	538	0
6	5290	58	1	918	1
7	5290	83	1	638	1
8	5290	61	1	878	1
9	5290	62	1	858	1
10	5290	72	1	738	1
11	5290	59	1	898	1
12	5290	89	1	598	1
13	5290	78	1	678	1
14	5290	76	1	698	1
15	5290	18	1	3066	1
16	5290	20	1	2722	1
17	5290	30	1	1804	1
18	5290	57	1	937	1
19	5290	20	1	2765	1
20	5290	32	1	1697	1
21	5290	30	1	1793	1
22	5290	35	1	1545	0
23	5290	58	1	917	1
24	5290	18	1	2997	1
25	5290	21	1	2520	1
26	5290	52	1	1025	1
27	5290	43	1	1246	1
28	5290	23	1	2309	1
29	5290	41	1	1298	1
30	5290	60	1	892	1
Detection Percentage: 93.3 % (>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	2.5	197	1
2	5290	27	2.3	180	1
3	5290	23	1.9	155	1
4	5290	24	4.9	151	1
5	5290	29	1.6	188	1
6	5290	27	1.8	155	0
7	5290	27	2.8	230	1
8	5290	24	3.4	188	1
9	5290	29	3.1	207	1
10	5290	23	4.4	176	1
11	5290	28	4.3	166	1
12	5290	24	2.7	172	1
13	5290	27	1.4	205	1
14	5290	24	1.7	163	1
15	5290	28	1.3	222	1
16	5290	28	4.8	220	1
17	5290	27	4.8	160	1
18	5290	26	3.9	186	1
19	5290	28	1.4	226	1
20	5290	27	2.1	185	1
21	5290	27	4	220	1
22	5290	26	1.7	219	1
23	5290	23	3.9	175	1
24	5290	23	1.9	169	1
25	5290	27	5	170	1
26	5290	27	1.8	195	0
27	5290	23	4	216	1
28	5290	23	1.4	191	1
29	5290	26	1.4	155	1
30	5290	25	2.5	188	1
Detection Percentage: 93.3 % (>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	9.1	426	1
2	5290	16	7.4	446	1
3	5290	18	7.8	278	1
4	5290	16	9.7	387	1
5	5290	17	9.2	365	1
6	5290	17	7.5	452	1
7	5290	16	6.5	259	1
8	5290	16	9.3	324	1
9	5290	18	8.7	436	1
10	5290	16	9.4	418	1
11	5290	18	7.4	206	1
12	5290	16	6.1	385	1
13	5290	18	7.3	351	1
14	5290	17	6.1	371	1
15	5290	18	6.5	303	1
16	5290	16	6.6	367	1
17	5290	18	6.2	210	1
18	5290	17	7.1	390	1
19	5290	18	9.9	321	1
20	5290	17	8.2	334	1
21	5290	18	6	318	1
22	5290	16	7	371	1
23	5290	18	6.5	378	1
24	5290	17	7.6	450	1
25	5290	16	8.6	401	1
26	5290	18	9.4	264	1
27	5290	16	6.8	447	1
28	5290	17	7.7	203	1
29	5290	16	7.8	205	1
30	5290	17	7.8	247	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	16	19.9	279	1
2	5290	12	12.8	357	1
3	5290	13	19.8	298	1
4	5290	13	12.9	359	1
5	5290	13	12	333	1
6	5290	16	19.4	495	1
7	5290	13	19.3	303	1
8	5290	15	18.9	220	1
9	5290	12	16.8	418	1
10	5290	12	17.8	289	1
11	5290	13	17.2	387	1
12	5290	16	18.6	459	1
13	5290	16	17.4	442	1
14	5290	16	13.6	491	1
15	5290	14	19	302	1
16	5290	13	12.4	414	1
17	5290	16	15.1	284	1
18	5290	13	16.3	446	1
19	5290	15	12.7	302	1
20	5290	13	13.5	423	1
21	5290	13	19.4	433	1
22	5290	15	15.1	339	1
23	5290	15	11.1	330	1
24	5290	13	16.3	368	1
25	5290	13	14.6	374	1
26	5290	16	11.2	419	1
27	5290	12	14.1	250	1
28	5290	15	13.5	356	1
29	5290	12	13	338	1
30	5290	13	19	312	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

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	75.6			0.041688	1
1	3	10	91.2	1049	1540	1.182514	
2	2	6	99.7	1952		2.01834	
3	3	7	58.2	1965	1039	3.507112	
4	2	8	62.5	1884		3.804377	
5	2	5	55.9	1043		4.847593	
6	3	17	52	1480	1185	6.073548	
7	2	18	93.5	1935		6.674699	
8	2	8	95.6	1458		7.42856	
9	1	12	77.7			8.974367	
10	2	15	58.6	1293		9.632926	
11	2	17	53.1	1657		10.438803	
12	2	14	94.5	1044		11.472904	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	82.2			0.214102	1
1	1	17	84.7			1.101428	
2	2	7	52.8	1031		1.829425	
3	3	5	74.4	1673	1865	2.495398	
4	2	20	63.3	1049		3.464156	
5	2	19	73.2	1958		4.470027	
6	2	7	83	1349		5.070531	
7	2	14	84.9	1280		5.962051	
8	2	5	88.8	1702		6.30684	
9	2	20	99	1500		6.888429	
10	2	12	60.8	1321		8.165031	
11	2	6	80.7	1479		8.942634	
12	2	11	86.5	1541		9.197134	
13	3	11	57.9	1709	1557	9.999406	
14	2	8	66.8	1154		10.862828	
15	3	9	92.6	1799	1306	11.92196	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	73.1			0.535549	1
1	2	7	97.2	1907		1.632622	
2	3	20	78.6	1777	1577	1.848505	
3	1	20	96.3			3.311657	
4	2	8	90.7	1271		3.898851	
5	2	6	62.2	1465		4.429069	
6	2	8	55.6	1218		5.868799	
7	2	8	55.3	1227		6.814547	
8	1	16	71.7			7.587083	
9	1	17	61.4			8.262869	
10	2	9	85	1120		8.653752	
11	2	11	57.7	1895		10.175877	
12	2	7	63.3	1932		11.085478	
13	3	15	99.2	1380	1790	11.196412	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	51.1	1397	1414	0.453658	1
1	3	12	81.5	1823	1064	0.712877	
2	1	19	83.1			1.701103	
3	1	17	62.4			2.32009	
4	2	14	69.3	1593		2.539393	
5	2	16	69.3	1950		3.768071	
6	2	8	74	1361		4.370653	
7	2	17	77.2	1102		4.680977	
8	2	15	55.8	1969		5.343058	
9	3	15	81.3	1490	1960	6.281918	
10	1	10	53			6.342481	
11	2	12	85.6	1880		7.216669	
12	2	9	95.4	1232		7.911261	
13	3	8	52.8	1149	1405	8.233338	
14	1	13	95.8			9.162464	
15	2	7	93.2	1408		9.726361	
16	3	16	61	1958	1007	10.159	
17	2	15	78	1830		10.879774	
18	2	9	61	1570		11.534305	

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	69.6	1311	1966	0.266625	
1	2	10	98.9	1720		1.181629	
2	1	9	87.8			1.98153	
3	2	15	77	1724		2.976303	
4	3	12	86	1602	1006	3.213021	
5	1	7	67.7			4.598805	
6	3	8	64	1790	1825	5.408105	
7	2	18	70.5	1931		5.704609	1
8	1	18	52			7.153139	
9	2	19	53.8	1435		7.378787	
10	2	8	59.2	1635		8.521204	
11	1	9	61.2			9.190888	
12	1	18	50.8			9.857804	
13	3	12	71.2	1394	1442	10.467976	
14	3	16	97.4	1205	1343	11.987559	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	78.4	1535	1415	1.007481	
1	3	15	58.9	1585	1645	1.988063	
2	2	10	80.6	1587		2.706145	
3	2	20	79.2	1568		3.905604	
4	2	20	98.5	1455		5.293278	
5	1	17	84.1			7.031004	1
6	1	19	53.9			7.322107	
7	3	19	63.9	1994	1663	8.510185	
8	2	18	87.7	1336		10.398727	
9	2	7	73.1	1930		11.855141	

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	13	61	1517		0.734176	1
1	1	16	63.7			1.171114	
2	2	10	53.1	1205		1.759523	
3	1	16	51.4			3.355686	
4	2	18	89.5	1288		3.860124	
5	2	10	89.2	1520		4.352784	
6	2	13	85.8	1496		5.465335	
7	2	10	97.3	1477		6.384803	
8	1	8	88			7.091825	
9	1	19	86.1			8.412683	
10	1	10	60.4			8.993198	
11	3	16	95.8	1192	1108	9.698051	
12	2	15	87.1	1493		10.308653	
13	2	19	69.4	1606		11.893185	

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	19	81.4	1475	1723	0.514365	1
1	1	15	72			1.164292	
2	2	13	71.5	1475		1.787387	
3	1	13	50.8			2.927796	
4	2	10	56.5	1530		3.838679	
5	3	8	89.7	1094	1165	4.427804	
6	2	7	96.8	1798		5.435359	
7	3	20	74.9	1548	1632	5.803362	
8	2	17	93.6	1383		6.41664	
9	3	9	53.5	1371	1916	7.223338	
10	2	6	88.1	1945		8.457773	
11	2	16	82.6	1663		9.449166	
12	2	7	69.5	1510		9.765617	
13	2	18	71	1799		10.525925	
14	3	13	94.9	1103	1424	11.835647	

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	20	69.8	1769		0.132551	
1	1	14	67.6			2.135812	
2	3	14	97.9	1748	1915	3.064264	
3	2	7	66.1	1847		4.851315	
4	2	7	87.3	1392		6.26499	1
5	1	9	59.6			6.746013	
6	2	6	52.5	1964		8.004594	
7	2	20	61.7	1222		9.567868	
8	1	12	56.6			10.774593	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	83.5	1584		0.384375	
1	3	17	60.9	1030	1755	1.068677	
2	2	10	70.1	1746		2.398256	
3	2	14	70.1	1995		3.481205	
4	2	16	61.8	1082		4.359487	
5	2	14	73.7	1896		5.07172	
6	3	12	61.1	1944	1047	5.599951	1
7	2	9	58.1	1950		7.192301	
8	1	20	65.4			7.73062	
9	2	7	55.6	1782		9.111038	
10	1	20	71.3			9.348008	
11	2	6	84.6	1429		10.614403	
12	2	14	98	1314		11.71997	

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	8	66.2	1270	1211	0.59502	1
1	2	8	62.7	1820		1.641142	
2	1	8	99			2.852851	
3	2	14	97.4	1884		4.376465	
4	1	9	83.7			4.90671	
5	1	13	70.8			6.218123	
6	1	16	78.2			8.307208	
7	2	17	72	1953		9.383805	
8	2	10	74	1320		10.102663	
9	2	8	68.5	1702		11.655625	

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	11	54.9			0.473667	1
1	2	11	57.6	1911		1.117186	
2	3	18	50.6	1932	1473	2.246299	
3	2	19	83.9	1793		3.874446	
4	2	11	61.7	1299		4.590057	
5	1	8	74			5.849853	
6	1	9	52.5			6.667748	
7	2	10	86.2	1137		7.720845	
8	1	6	56.5			8.911213	
9	2	10	96.8	1888		9.835254	
10	3	10	54.2	1899	1224	10.33662	
11	1	16	72.9			11.491435	

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	56.5	1120		0.591167	1
1	1	19	99.3			0.712292	
2	2	19	80.1	1151		1.384767	
3	3	9	51.9	1177	1703	2.584368	
4	2	10	94.4	1525		2.702509	
5	3	9	80.7	1294	1682	3.905149	
6	3	9	89.4	1080	1577	4.511417	
7	2	19	73.3	1998		5.171071	
8	3	14	73.7	1682	1439	5.542795	
9	3	8	58.3	1254	1584	6.114985	
10	2	19	89.4	1381		7.214923	
11	2	10	81.3	1197		7.940236	
12	1	11	50.7			8.236266	
13	2	20	68.3	1218		8.821147	
14	2	14	81.5	1835		9.8562	
15	2	12	92.4	1980		10.612399	
16	3	18	98.3	1237	1592	11.029567	
17	3	15	94.7	1570	1554	11.552395	

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	19	50.2	1396		0.254996	
1	2	14	86.6	1721		0.809149	
2	2	5	93.5	1522		1.39714	
3	2	15	94.3	1786		2.42603	
4	3	19	61.6	1592	1628	2.87884	
5	2	18	69.7	1958		3.668517	
6	2	20	66.9	1298		3.840787	
7	1	7	82.5			4.423018	
8	1	15	77			5.421408	
9	1	10	69.9			6.15047	1
10	2	11	52.9	1771		6.317423	
11	2	13	50.9	1472		7.26329	
12	2	19	97.2	1556		7.813241	
13	3	8	51.6	1423	1862	8.59315	
14	1	8	92.3			9.193286	
15	1	13	78.2			10.026359	
16	1	8	99.1			10.275559	
17	2	10	65.6	1871		11.021477	
18	2	14	55.1	1086		11.376405	

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	52.1	1139		0.131537	1
1	2	10	96.4	1317		1.117122	
2	1	15	53.8			1.610927	
3	2	13	92.2	1980		2.707338	
4	2	16	64.5	1901		3.607178	
5	1	17	63			4.362261	
6	1	18	62.4			5.232696	
7	3	14	63.2	1837	1482	5.864842	
8	2	7	80.3	1935		6.055692	
9	2	5	84.1	1686		7.127533	
10	2	13	89.6	1283		8.083191	
11	2	14	87.9	1905		8.329554	
12	1	8	80.4			9.14785	
13	2	19	84.8	1967		9.943719	
14	3	6	58.9	1712	1354	11.003755	
15	3	10	95	1401	1079	11.801335	

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	7	52.7	1978		0.021186	1
1	2	15	85.3	1875		0.967706	
2	2	15	87.1	1190		1.849928	
3	2	17	86.6	1634		2.072169	
4	3	18	52.9	1796	1422	3.066555	
5	2	18	83.3	1080		3.845536	
6	2	17	83	1289		4.622237	
7	3	13	95.8	1431	1024	4.89495	
8	3	18	59.4	1092	1942	5.972675	
9	3	14	92.7	1063	1639	6.023829	
10	2	6	53.4	1843		6.975465	
11	2	18	70.2	1058		7.589983	
12	2	11	56.9	1138		8.308527	
13	2	10	83	1308		9.092736	
14	3	8	89.5	1967	1684	9.943118	
15	2	14	82.1	1284		10.627951	
16	2	10	81.6	1949		11.124413	
17	2	9	91.8	1270		11.826001	

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	5	92.5			0.194567	1
1	2	10	88.5	1963		1.120965	
2	1	18	61.6			1.542861	
3	2	15	90.2	1710		2.28968	
4	2	18	72.3	1110		3.064952	
5	2	7	97.7	1729		3.683354	
6	1	7	53.7			4.285752	
7	2	17	65	1697		4.898131	
8	2	16	88.3	1523		5.982902	
9	2	6	56.1	1338		6.374112	
10	3	10	71.1	1839	1369	7.220609	
11	1	5	98.4			7.342199	
12	3	5	67.2	1873	1412	8.130104	
13	3	16	84.5	1092	1153	9.078746	
14	3	15	99.6	1118	1744	9.460041	
15	2	8	65.3	1618		10.125359	
16	1	11	73.4			10.978698	
17	1	10	66.2			11.816926	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	88.3	1357	1391	0.06943	1
1	2	13	79.4	1053		1.585669	
2	3	11	96.7	1255	1676	3.223887	
3	3	11	75.8	1614	1634	4.144558	
4	1	15	58.9			4.835777	
5	1	8	81.3			5.633957	
6	2	8	72.2	1447		7.132144	
7	3	5	64.2	1512	1173	8.662011	
8	2	9	53.4	1887		9.013686	
9	2	8	99.8	1110		10.07713	
10	2	15	64.8	1007		11.593493	

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	9	72			0.665365	1
1	1	10	97.9			1.378	
2	2	12	50.3	1395		2.73649	
3	3	9	56.1	1643	1141	3.742116	
4	2	17	91.6	1750		4.646815	
5	2	11	89.8	1653		5.093549	
6	1	14	85.9			6.67834	
7	3	15	90	1963	1342	7.554192	
8	2	16	82.4	1957		8.981199	
9	2	13	61.3	1372		9.033149	
10	3	20	59.6	1977	1133	10.098005	
11	1	20	81			11.045831	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	72.5	1918		0.183527	1
1	2	11	80.6	1895		1.78083	
2	1	19	89.4			2.111319	
3	3	12	96.3	1566	1239	3.269545	
4	3	13	81.4	1172	1036	4.350264	
5	1	12	69.2			5.298593	
6	2	12	76.2	1187		5.911766	
7	2	6	94.4	1124		6.878894	
8	2	7	92.1	1379		7.877174	
9	3	19	86.1	1986	1504	9.088109	
10	3	14	69.3	1800	1822	9.9178	
11	2	10	76.5	1063		10.834128	
12	3	14	57.8	1882	1798	11.618944	

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	56.9	1888		0.54184	
1	2	18	65.2	1621		1.19663	
2	3	19	56.8	1161	1879	1.292994	
3	3	15	95.2	1797	1451	2.127749	
4	2	14	80.5	1705		2.89444	
5	3	9	50.8	1081	1103	3.4687	
6	1	8	98.3			3.901862	
7	2	9	91	1055		4.496633	
8	1	17	60.3			5.446186	
9	3	14	63.8	1099	1841	6.117454	1
10	1	18	95.1			6.713737	
11	2	9	67.7	1872		7.326999	
12	2	8	99.5	1844		7.946876	
13	1	14	87.6			8.746309	
14	3	7	68.6	1227	1142	9.381337	
15	2	14	82.1	1716		9.79891	
16	1	8	52			10.370642	
17	1	15	92.2			11.051104	
18	1	7	69.8			11.63259	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	90.3	1415	1486	0.853438	
1	1	12	82.8			1.256505	
2	2	9	75.1	1388		3.443915	
3	2	16	87.8	1453		3.824323	
4	3	18	79.4	1097	1183	5.786538	
5	3	17	71.8	1216	1047	7.124079	1
6	3	10	66.1	1219	1458	8.363181	
7	2	11	74	1143		8.64573	
8	2	20	68.4	1628		10.716409	
9	3	19	89.2	1449	1672	10.85351	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	56	1735		0.355483	1
1	1	10	69.6			1.725029	
2	1	17	61.2			2.035932	
3	2	10	69.2	1058		3.835966	
4	2	20	60.5	1668		4.404764	
5	2	19	70.1	1173		5.62072	
6	1	15	50.5			6.319559	
7	2	17	52.2	1740		7.589635	
8	2	19	94.5	1617		8.613835	
9	2	7	67.9	1556		9.954594	
10	3	9	58.5	1215	1899	10.629817	
11	1	5	66.8			11.389901	

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	11	74.4			0.329943	1
1	2	16	91.9	1082		1.109658	
2	2	18	64	1920		3.210899	
3	2	9	72.8	1036		3.908752	
4	2	15	99.3	1127		4.930417	
5	3	10	88.3	1709	1568	5.765277	
6	1	8	51			6.7314	
7	1	10	90.8			8.513298	
8	2	9	94	1837		8.72755	
9	3	19	71.5	1382	1022	10.671277	
10	1	15	63.8			11.301046	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	90.7			0.02579	1
1	2	9	98.1	1489		1.044568	
2	1	12	83.1			1.620558	
3	1	7	62.2			2.519858	
4	2	16	98.9	1560		3.537889	
5	2	7	94.6	1884		4.296057	
6	2	7	90.5	1885		5.141539	
7	2	12	79.9	1577		5.911495	
8	3	17	95.2	1961	1148	7.015392	
9	1	7	64			7.818742	
10	2	16	70.9	1404		8.368904	
11	2	18	59.5	1363		9.114175	
12	2	20	62.7	1746		10.191869	
13	2	10	84.7	1926		10.515205	
14	2	15	63.1	1644		11.741887	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	61.3	1581		0.965276	1
1	2	10	93.7	1258		1.779315	
2	2	12	72.9	1563		3.435161	
3	2	14	71.6	1766		3.71996	
4	2	14	75.6	1706		5.179008	
5	3	20	94.8	1271	1929	6.897967	
6	2	7	99.5	1315		7.426441	
7	2	17	99	1649		8.698007	
8	2	12	94.4	1498		10.295532	
9	3	17	67.7	1664	1467	11.416354	

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	10	72.2	1360		0.903756	
1	2	8	90.1	1487		1.079869	
2	3	15	52.5	1336	1976	1.89078	
3	1	20	57.6			2.956642	
4	1	9	74.7			3.875001	
5	2	16	71.8	1382		4.846133	
6	3	16	51.3	1483	1029	6.307268	1
7	1	19	75			7.380777	
8	2	6	69.8	1694		8.270043	
9	1	17	70.3			8.610016	
10	2	11	74.6	1795		10.091775	
11	2	19	58.8	1337		10.980243	
12	3	20	73.3	1220	1741	11.652177	

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	82.8	1852		0.145101	
1	2	19	56.2	1729		0.97345	
2	2	8	58.4	1403		1.433004	
3	1	12	53.6			2.294289	
4	2	19	51	1606		3.210139	
5	3	16	68.5	1373	1538	4.138091	
6	3	9	58.7	1369	1309	4.823348	
7	3	15	77.2	1534	1935	5.100093	
8	3	13	71.6	1417	1974	5.909314	1
9	2	15	80.3	1055		6.880701	
10	1	16	87.8			7.521722	
11	2	16	96.7	1994		8.127831	
12	3	16	55.9	1155	1235	9.121335	
13	3	19	90.5	1791	1630	9.71671	
14	1	14	55.8			10.070616	
15	2	19	96.6	1380		10.657389	
16	2	12	57.7	1595		11.380592	

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	9	74.7	1010		0.785661	
1	3	18	83.8	1048	1641	1.194024	
2	2	19	87.9	1428		3.150666	
3	2	13	80.4	1261		3.596861	
4	2	16	56.7	1762		5.237273	
5	1	16	81.5			6.064681	1
6	2	19	99.3	1412		6.822987	
7	3	9	58.4	1700	1884	7.691659	
8	2	14	52	1745		8.781075	
9	2	19	68.1	1850		10.706899	
10	3	16	66.4	1291	1027	10.951655	

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	9	62.5	1162		0.5779	
1	1	10	96.2			1.373063	
2	2	8	73.2	1421		1.856944	
3	1	17	96.5			2.649451	
4	1	20	70.6			3.457433	
5	3	15	74.7	1444	1864	4.794032	
6	1	20	60.4			5.273193	
7	1	7	88			5.99916	1
8	2	10	77.6	1942		6.918299	
9	3	6	91.9	1502	1389	7.703491	
10	2	16	84.6	1904		8.376907	
11	2	11	86.1	1393		9.020203	
12	3	17	84.5	1134	1762	10.049041	
13	2	6	54.6	1441		10.627541	
14	3	11	97.8	1118	1016	11.857263	

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	5465.0, 5362.0, 5616.0, 5258.0, 5383.0, 5286.0, 5453.0, 5702.0, 5483.0, 5467.0, 5492.0, 5688.0, 5675.0, 5699.0, 5564.0, 5466.0, 5329.0, 5326.0, 5500.0, 5376.0, 5645.0, 5537.0, 5503.0, 5517.0, 5356.0, 5609.0, 5388.0, 5433.0, 5523.0, 5612.0, 5317.0, 5441.0, 5333.0, 5478.0, 5298.0, 5674.0, 5429.0, 5454.0, 5518.0, 5342.0, 5671.0, 5491.0, 5324.0, 5717.0, 5369.0, 5614.0, 5594.0, 5549.0, 5463.0, 5541.0, 5287.0, 5396.0, 5586.0, 5257.0, 5603.0, 5334.0, 5623.0, 5516.0, 5579.0, 5555.0, 5261.0, 5650.0, 5721.0, 5424.0, 5398.0, 5271.0, 5292.0, 5644.0, 5339.0, 5692.0, 5432.0, 5686.0, 5425.0, 5578.0, 5572.0, 5367.0, 5458.0, 5526.0, 5660.0, 5413.0, 5662.0, 5435.0, 5479.0, 5401.0, 5505.0, 5480.0, 5341.0, 5607.0, 5652.0, 5513.0, 5715.0, 5619.0, 5284.0, 5649.0, 5382.0, 5499.0, 5515.0, 5641.0, 5673.0, 5648.0 (number of hits: 4)
2	5290	9	1	333	1	5485.0, 5702.0, 5442.0, 5433.0, 5482.0, 5632.0, 5563.0, 5352.0, 5325.0, 5536.0, 5366.0, 5385.0, 5302.0, 5553.0, 5580.0, 5268.0, 5256.0, 5499.0, 5701.0, 5579.0, 5685.0, 5508.0, 5395.0, 5251.0, 5436.0, 5703.0, 5720.0, 5708.0, 5297.0, 5574.0, 5645.0, 5661.0, 5373.0, 5258.0, 5417.0, 5295.0, 5501.0, 5404.0, 5697.0, 5290.0, 5411.0, 5566.0, 5542.0, 5650.0, 5653.0, 5380.0, 5263.0, 5360.0, 5424.0, 5486.0, 5646.0, 5379.0, 5671.0, 5264.0, 5640.0, 5520.0, 5691.0, 5418.0, 5721.0, 5519.0, 5682.0, 5528.0, 5539.0, 5378.0, 5445.0, 5516.0, 5335.0, 5350.0, 5522.0, 5310.0, 5537.0, 5381.0, 5531.0, 5334.0, 5670.0, 5630.0, 5600.0, 5648.0, 5709.0, 5438.0, 5304.0, 5435.0, 5402.0, 5690.0, 5275.0, 5652.0, 5577.0, 5629.0, 5293.0, 5291.0, 5483.0, 5340.0, 5282.0, 5540.0, 5252.0, 5439.0, 5307.0, 5284.0, 5369.0, 5604.0 (number of hits: 9)
3	5290	9	1	333	1	5572.0, 5375.0, 5399.0, 5510.0, 5359.0, 5523.0, 5364.0, 5452.0, 5661.0, 5567.0, 5493.0, 5579.0, 5417.0, 5470.0, 5415.0, 5700.0, 5624.0, 5562.0, 5677.0, 5694.0, 5287.0, 5272.0, 5451.0, 5585.0, 5645.0, 5416.0, 5418.0, 5488.0, 5564.0, 5426.0, 5311.0, 5646.0, 5499.0, 5425.0, 5471.0, 5458.0, 5327.0, 5501.0, 5349.0, 5573.0, 5569.0, 5481.0, 5341.0, 5344.0, 5408.0, 5581.0, 5684.0, 5548.0, 5295.0, 5306.0, 5308.0, 5619.0, 5649.0, 5578.0, 5692.0, 5703.0, 5665.0, 5455.0, 5658.0, 5462.0,

						5397.0, 5383.0, 5618.0, 5263.0, 5460.0, 5333.0, 5463.0, 5674.0, 5634.0, 5257.0, 5698.0, 5269.0, 5659.0, 5342.0, 5632.0, 5304.0, 5527.0, 5528.0, 5504.0, 5320.0, 5260.0, 5296.0, 5270.0, 5391.0, 5264.0, 5491.0, 5640.0, 5291.0, 5424.0, 5670.0, 5322.0, 5534.0, 5587.0, 5522.0, 5701.0, 5697.0, 5650.0, 5608.0, 5667.0, 5396.0 (number of hits: 8)
4	5290	9	1	333	1	5327.0, 5313.0, 5495.0, 5616.0, 5290.0, 5460.0, 5346.0, 5270.0, 5640.0, 5686.0, 5629.0, 5370.0, 5266.0, 5333.0, 5623.0, 5340.0, 5450.0, 5447.0, 5591.0, 5712.0, 5394.0, 5670.0, 5515.0, 5291.0, 5415.0, 5714.0, 5446.0, 5583.0, 5400.0, 5508.0, 5563.0, 5613.0, 5519.0, 5557.0, 5374.0, 5530.0, 5470.0, 5428.0, 5454.0, 5486.0, 5278.0, 5683.0, 5269.0, 5432.0, 5301.0, 5641.0, 5303.0, 5570.0, 5669.0, 5586.0, 5535.0, 5331.0, 5525.0, 5381.0, 5295.0, 5541.0, 5464.0, 5543.0, 5410.0, 5651.0, 5520.0, 5533.0, 5318.0, 5699.0, 5498.0, 5329.0, 5413.0, 5687.0, 5580.0, 5449.0, 5462.0, 5272.0, 5260.0, 5507.0, 5435.0, 5638.0, 5609.0, 5364.0, 5514.0, 5452.0, 5416.0, 5684.0, 5466.0, 5328.0, 5445.0, 5288.0, 5465.0, 5259.0, 5630.0, 5252.0, 5283.0, 5403.0, 5588.0, 5696.0, 5424.0, 5279.0, 5256.0, 5505.0, 5336.0, 5399.0 (number of hits: 7)
5	5290	9	1	333	1	5398.0, 5605.0, 5616.0, 5684.0, 5444.0, 5455.0, 5288.0, 5422.0, 5300.0, 5474.0, 5506.0, 5263.0, 5543.0, 5635.0, 5722.0, 5630.0, 5328.0, 5716.0, 5592.0, 5685.0, 5623.0, 5505.0, 5318.0, 5634.0, 5691.0, 5303.0, 5392.0, 5580.0, 5420.0, 5659.0, 5601.0, 5370.0, 5268.0, 5436.0, 5407.0, 5612.0, 5553.0, 5274.0, 5525.0, 5564.0, 5550.0, 5378.0, 5466.0, 5451.0, 5613.0, 5607.0, 5453.0, 5718.0, 5400.0, 5619.0, 5576.0, 5313.0, 5627.0, 5517.0, 5494.0, 5560.0, 5294.0, 5565.0, 5664.0, 5503.0, 5555.0, 5290.0, 5720.0, 5651.0, 5653.0, 5717.0, 5587.0, 5524.0, 5478.0, 5621.0, 5491.0, 5442.0, 5383.0, 5492.0, 5479.0, 5369.0, 5633.0, 5700.0, 5416.0, 5440.0, 5540.0, 5317.0, 5439.0, 5585.0, 5538.0, 5614.0, 5516.0, 5258.0, 5438.0, 5267.0, 5381.0, 5287.0, 5631.0, 5471.0, 5682.0, 5698.0, 5411.0, 5449.0, 5460.0, 5347.0 (number of hits: 7)
6	5290	9	1	333	1	5534.0, 5351.0, 5336.0, 5294.0, 5578.0, 5404.0, 5711.0, 5293.0, 5509.0, 5268.0, 5618.0, 5319.0, 5502.0, 5557.0, 5623.0, 5453.0, 5524.0, 5335.0, 5667.0, 5544.0, 5693.0, 5480.0, 5596.0, 5563.0, 5312.0, 5648.0, 5474.0, 5418.0, 5307.0, 5672.0, 5662.0, 5257.0, 5428.0, 5269.0, 5697.0, 5603.0, 5365.0, 5411.0, 5333.0, 5694.0,

						5464.0, 5305.0, 5646.0, 5592.0, 5440.0, 5262.0, 5701.0, 5641.0, 5343.0, 5272.0, 5282.0, 5490.0, 5678.0, 5416.0, 5638.0, 5689.0, 5488.0, 5532.0, 5583.0, 5394.0, 5605.0, 5642.0, 5286.0, 5341.0, 5635.0, 5430.0, 5683.0, 5283.0, 5601.0, 5657.0, 5253.0, 5526.0, 5553.0, 5435.0, 5280.0, 5704.0, 5598.0, 5525.0, 5393.0, 5566.0, 5621.0, 5538.0, 5537.0, 5503.0, 5584.0, 5396.0, 5330.0, 5700.0, 5723.0, 5265.0, 5454.0, 5364.0, 5591.0, 5514.0, 5279.0, 5528.0, 5518.0, 5633.0, 5473.0, 5350.0 (number of hits: 6)
7	5290	9	1	333	1	5495.0, 5638.0, 5704.0, 5510.0, 5354.0, 5352.0, 5344.0, 5413.0, 5607.0, 5446.0, 5425.0, 5263.0, 5292.0, 5274.0, 5484.0, 5359.0, 5456.0, 5493.0, 5342.0, 5340.0, 5528.0, 5458.0, 5636.0, 5286.0, 5549.0, 5389.0, 5250.0, 5328.0, 5707.0, 5647.0, 5643.0, 5385.0, 5471.0, 5594.0, 5711.0, 5432.0, 5642.0, 5406.0, 5472.0, 5330.0, 5705.0, 5530.0, 5375.0, 5599.0, 5307.0, 5550.0, 5612.0, 5462.0, 5608.0, 5463.0, 5678.0, 5582.0, 5609.0, 5651.0, 5489.0, 5422.0, 5708.0, 5598.0, 5571.0, 5698.0, 5611.0, 5502.0, 5261.0, 5573.0, 5527.0, 5662.0, 5318.0, 5536.0, 5674.0, 5454.0, 5492.0, 5418.0, 5405.0, 5477.0, 5311.0, 5384.0, 5356.0, 5574.0, 5364.0, 5439.0, 5341.0, 5417.0, 5468.0, 5395.0, 5449.0, 5358.0, 5653.0, 5558.0, 5469.0, 5631.0, 5390.0, 5322.0, 5702.0, 5639.0, 5491.0, 5683.0, 5618.0, 5548.0, 5687.0, 5497.0 (number of hits: 4)
8	5290	9	1	333	1	5667.0, 5503.0, 5599.0, 5688.0, 5355.0, 5625.0, 5388.0, 5546.0, 5351.0, 5669.0, 5391.0, 5723.0, 5524.0, 5323.0, 5584.0, 5371.0, 5692.0, 5414.0, 5624.0, 5327.0, 5537.0, 5588.0, 5325.0, 5412.0, 5521.0, 5628.0, 5337.0, 5426.0, 5415.0, 5443.0, 5506.0, 5680.0, 5335.0, 5551.0, 5324.0, 5299.0, 5516.0, 5659.0, 5376.0, 5468.0, 5484.0, 5623.0, 5305.0, 5635.0, 5336.0, 5269.0, 5314.0, 5298.0, 5681.0, 5583.0, 5674.0, 5601.0, 5368.0, 5596.0, 5540.0, 5700.0, 5574.0, 5260.0, 5633.0, 5418.0, 5445.0, 5472.0, 5479.0, 5289.0, 5276.0, 5313.0, 5616.0, 5538.0, 5512.0, 5333.0, 5329.0, 5450.0, 5654.0, 5348.0, 5419.0, 5646.0, 5618.0, 5447.0, 5253.0, 5416.0, 5722.0, 5433.0, 5322.0, 5549.0, 5475.0, 5501.0, 5543.0, 5629.0, 5637.0, 5304.0, 5663.0, 5670.0, 5275.0, 5444.0, 5554.0, 5662.0, 5677.0, 5285.0, 5413.0, 5396.0 (number of hits: 8)
9	5290	9	1	333	1	5669.0, 5710.0, 5561.0, 5391.0, 5308.0, 5667.0, 5655.0, 5339.0, 5406.0, 5347.0, 5457.0, 5529.0, 5335.0, 5422.0, 5459.0, 5454.0, 5620.0, 5648.0, 5658.0, 5713.0,

						5263.0, 5400.0, 5534.0, 5664.0, 5277.0, 5660.0, 5492.0, 5370.0, 5285.0, 5675.0, 5471.0, 5663.0, 5692.0, 5487.0, 5379.0, 5583.0, 5300.0, 5573.0, 5685.0, 5260.0, 5409.0, 5327.0, 5256.0, 5538.0, 5511.0, 5602.0, 5441.0, 5654.0, 5476.0, 5261.0, 5679.0, 5696.0, 5614.0, 5642.0, 5680.0, 5543.0, 5274.0, 5332.0, 5278.0, 5528.0, 5672.0, 5572.0, 5647.0, 5461.0, 5276.0, 5482.0, 5714.0, 5541.0, 5450.0, 5380.0, 5415.0, 5706.0, 5632.0, 5507.0, 5351.0, 5314.0, 5695.0, 5378.0, 5428.0, 5649.0, 5611.0, 5500.0, 5629.0, 5398.0, 5502.0, 5678.0, 5723.0, 5556.0, 5434.0, 5515.0, 5397.0, 5694.0, 5519.0, 5597.0, 5643.0, 5617.0, 5610.0, 5366.0, 5425.0, 5582.0 (number of hits: 4)
10	5290	9	1	333	1	5709.0, 5715.0, 5515.0, 5446.0, 5393.0, 5289.0, 5592.0, 5670.0, 5359.0, 5523.0, 5604.0, 5385.0, 5651.0, 5665.0, 5609.0, 5660.0, 5348.0, 5512.0, 5460.0, 5253.0, 5324.0, 5513.0, 5459.0, 5482.0, 5701.0, 5282.0, 5695.0, 5552.0, 5265.0, 5619.0, 5312.0, 5525.0, 5595.0, 5708.0, 5437.0, 5456.0, 5508.0, 5528.0, 5412.0, 5518.0, 5302.0, 5271.0, 5280.0, 5497.0, 5366.0, 5672.0, 5520.0, 5642.0, 5414.0, 5722.0, 5716.0, 5611.0, 5305.0, 5597.0, 5535.0, 5600.0, 5537.0, 5485.0, 5467.0, 5486.0, 5704.0, 5487.0, 5469.0, 5318.0, 5499.0, 5584.0, 5636.0, 5432.0, 5367.0, 5369.0, 5529.0, 5696.0, 5675.0, 5710.0, 5644.0, 5419.0, 5404.0, 5570.0, 5434.0, 5563.0, 5384.0, 5637.0, 5640.0, 5605.0, 5251.0, 5444.0, 5683.0, 5315.0, 5290.0, 5387.0, 5541.0, 5409.0, 5712.0, 5511.0, 5671.0, 5334.0, 5311.0, 5462.0, 5277.0, 5707.0 (number of hits: 6)
11	5290	9	1	333	1	5614.0, 5603.0, 5720.0, 5280.0, 5708.0, 5287.0, 5284.0, 5668.0, 5583.0, 5616.0, 5356.0, 5447.0, 5278.0, 5511.0, 5653.0, 5584.0, 5485.0, 5419.0, 5490.0, 5494.0, 5378.0, 5532.0, 5479.0, 5393.0, 5535.0, 5646.0, 5581.0, 5406.0, 5707.0, 5355.0, 5265.0, 5665.0, 5677.0, 5601.0, 5608.0, 5294.0, 5503.0, 5621.0, 5371.0, 5502.0, 5458.0, 5619.0, 5374.0, 5439.0, 5315.0, 5441.0, 5375.0, 5409.0, 5513.0, 5487.0, 5377.0, 5537.0, 5462.0, 5388.0, 5404.0, 5359.0, 5594.0, 5670.0, 5358.0, 5420.0, 5488.0, 5283.0, 5438.0, 5659.0, 5521.0, 5413.0, 5552.0, 5567.0, 5448.0, 5695.0, 5525.0, 5272.0, 5382.0, 5325.0, 5574.0, 5474.0, 5602.0, 5342.0, 5444.0, 5701.0, 5667.0, 5689.0, 5401.0, 5656.0, 5264.0, 5454.0, 5402.0, 5449.0, 5451.0, 5678.0, 5705.0, 5644.0, 5587.0, 5693.0, 5629.0, 5497.0, 5676.0, 5612.0, 5675.0, 5588.0 (number of hits: 2)

12	5290	9	1	333	1	5340.0, 5414.0, 5563.0, 5448.0, 5667.0, 5352.0, 5313.0, 5376.0, 5652.0, 5674.0, 5314.0, 5436.0, 5564.0, 5553.0, 5613.0, 5594.0, 5573.0, 5689.0, 5529.0, 5657.0, 5343.0, 5294.0, 5319.0, 5443.0, 5453.0, 5442.0, 5703.0, 5577.0, 5479.0, 5396.0, 5645.0, 5551.0, 5374.0, 5303.0, 5261.0, 5692.0, 5298.0, 5569.0, 5258.0, 5327.0, 5523.0, 5581.0, 5296.0, 5550.0, 5600.0, 5566.0, 5330.0, 5537.0, 5407.0, 5392.0, 5351.0, 5565.0, 5668.0, 5279.0, 5344.0, 5647.0, 5466.0, 5572.0, 5599.0, 5653.0, 5297.0, 5333.0, 5622.0, 5254.0, 5536.0, 5497.0, 5470.0, 5302.0, 5709.0, 5355.0, 5539.0, 5696.0, 5524.0, 5714.0, 5685.0, 5516.0, 5531.0, 5286.0, 5644.0, 5525.0, 5390.0, 5582.0, 5427.0, 5420.0, 5554.0, 5528.0, 5664.0, 5334.0, 5620.0, 5610.0, 5385.0, 5494.0, 5425.0, 5387.0, 5606.0, 5540.0, 5578.0, 5570.0, 5419.0, 5618.0 (number of hits: 9)
13	5290	9	1	333	1	5548.0, 5641.0, 5412.0, 5574.0, 5578.0, 5448.0, 5612.0, 5331.0, 5262.0, 5560.0, 5699.0, 5510.0, 5470.0, 5576.0, 5598.0, 5371.0, 5710.0, 5689.0, 5585.0, 5480.0, 5381.0, 5483.0, 5540.0, 5662.0, 5475.0, 5330.0, 5377.0, 5361.0, 5570.0, 5391.0, 5532.0, 5359.0, 5268.0, 5494.0, 5259.0, 5631.0, 5297.0, 5455.0, 5317.0, 5632.0, 5512.0, 5435.0, 5369.0, 5468.0, 5373.0, 5569.0, 5591.0, 5398.0, 5538.0, 5721.0, 5289.0, 5487.0, 5477.0, 5705.0, 5526.0, 5445.0, 5296.0, 5674.0, 5307.0, 5559.0, 5368.0, 5273.0, 5681.0, 5592.0, 5535.0, 5312.0, 5422.0, 5316.0, 5547.0, 5451.0, 5651.0, 5550.0, 5513.0, 5682.0, 5352.0, 5703.0, 5287.0, 5257.0, 5351.0, 5411.0, 5558.0, 5281.0, 5606.0, 5414.0, 5508.0, 5633.0, 5577.0, 5607.0, 5436.0, 5264.0, 5389.0, 5392.0, 5456.0, 5339.0, 5593.0, 5390.0, 5647.0, 5428.0, 5298.0, 5629.0 (number of hits: 7)
14	5290	9	1	333	1	5716.0, 5658.0, 5302.0, 5451.0, 5384.0, 5631.0, 5444.0, 5721.0, 5701.0, 5693.0, 5484.0, 5568.0, 5719.0, 5485.0, 5257.0, 5263.0, 5355.0, 5490.0, 5483.0, 5495.0, 5694.0, 5692.0, 5308.0, 5683.0, 5343.0, 5329.0, 5603.0, 5406.0, 5688.0, 5626.0, 5710.0, 5585.0, 5314.0, 5581.0, 5520.0, 5342.0, 5480.0, 5699.0, 5306.0, 5477.0, 5524.0, 5707.0, 5602.0, 5674.0, 5427.0, 5353.0, 5632.0, 5530.0, 5715.0, 5478.0, 5599.0, 5498.0, 5574.0, 5646.0, 5499.0, 5512.0, 5488.0, 5625.0, 5378.0, 5503.0, 5345.0, 5608.0, 5513.0, 5304.0, 5347.0, 5539.0, 5664.0, 5419.0, 5334.0, 5349.0, 5294.0, 5461.0, 5277.0, 5472.0, 5668.0, 5466.0, 5552.0, 5558.0, 5412.0, 5380.0, 5624.0, 5489.0, 5652.0, 5426.0, 5543.0,

						5456.0, 5704.0, 5645.0, 5445.0, 5661.0, 5390.0, 5634.0, 5274.0, 5388.0, 5292.0, 5657.0, 5531.0, 5261.0, 5665.0, 5258.0 (number of hits: 7)
15	5290	9	1	333	1	5520.0, 5674.0, 5575.0, 5594.0, 5467.0, 5686.0, 5431.0, 5695.0, 5600.0, 5338.0, 5554.0, 5403.0, 5460.0, 5544.0, 5685.0, 5615.0, 5452.0, 5717.0, 5493.0, 5631.0, 5660.0, 5260.0, 5339.0, 5604.0, 5387.0, 5647.0, 5341.0, 5697.0, 5313.0, 5518.0, 5466.0, 5409.0, 5380.0, 5552.0, 5652.0, 5462.0, 5423.0, 5461.0, 5714.0, 5587.0, 5598.0, 5434.0, 5720.0, 5411.0, 5441.0, 5316.0, 5627.0, 5454.0, 5611.0, 5623.0, 5551.0, 5342.0, 5642.0, 5572.0, 5385.0, 5567.0, 5548.0, 5586.0, 5545.0, 5291.0, 5561.0, 5264.0, 5437.0, 5582.0, 5262.0, 5712.0, 5263.0, 5375.0, 5477.0, 5450.0, 5399.0, 5451.0, 5427.0, 5475.0, 5488.0, 5348.0, 5259.0, 5723.0, 5418.0, 5377.0, 5592.0, 5535.0, 5253.0, 5574.0, 5564.0, 5570.0, 5683.0, 5639.0, 5395.0, 5304.0, 5525.0, 5439.0, 5602.0, 5307.0, 5693.0, 5276.0, 5583.0, 5293.0, 5655.0, 5318.0 (number of hits: 5)
16	5290	9	1	333	1	5408.0, 5311.0, 5695.0, 5478.0, 5337.0, 5429.0, 5535.0, 5692.0, 5578.0, 5554.0, 5713.0, 5374.0, 5347.0, 5511.0, 5633.0, 5266.0, 5594.0, 5565.0, 5285.0, 5546.0, 5452.0, 5550.0, 5510.0, 5251.0, 5454.0, 5468.0, 5514.0, 5262.0, 5712.0, 5268.0, 5573.0, 5549.0, 5363.0, 5566.0, 5515.0, 5563.0, 5519.0, 5348.0, 5696.0, 5402.0, 5340.0, 5387.0, 5334.0, 5651.0, 5281.0, 5539.0, 5560.0, 5512.0, 5497.0, 5250.0, 5479.0, 5571.0, 5705.0, 5375.0, 5339.0, 5371.0, 5646.0, 5487.0, 5723.0, 5446.0, 5687.0, 5631.0, 5629.0, 5291.0, 5385.0, 5505.0, 5259.0, 5607.0, 5438.0, 5264.0, 5714.0, 5675.0, 5593.0, 5542.0, 5423.0, 5572.0, 5409.0, 5395.0, 5708.0, 5606.0, 5355.0, 5365.0, 5357.0, 5282.0, 5325.0, 5437.0, 5658.0, 5405.0, 5530.0, 5551.0, 5394.0, 5444.0, 5321.0, 5524.0, 5537.0, 5302.0, 5341.0, 5316.0, 5278.0, 5336.0 (number of hits: 4)
17	5290	9	1	333	1	5377.0, 5561.0, 5704.0, 5361.0, 5448.0, 5499.0, 5551.0, 5289.0, 5644.0, 5560.0, 5257.0, 5328.0, 5426.0, 5317.0, 5605.0, 5580.0, 5705.0, 5723.0, 5504.0, 5585.0, 5662.0, 5368.0, 5594.0, 5467.0, 5613.0, 5295.0, 5487.0, 5648.0, 5601.0, 5703.0, 5641.0, 5494.0, 5442.0, 5590.0, 5320.0, 5664.0, 5278.0, 5456.0, 5496.0, 5674.0, 5702.0, 5632.0, 5312.0, 5706.0, 5409.0, 5260.0, 5686.0, 5398.0, 5259.0, 5341.0, 5461.0, 5717.0, 5292.0, 5357.0, 5324.0, 5649.0, 5412.0, 5371.0, 5495.0, 5670.0, 5697.0, 5261.0, 5415.0, 5356.0, 5518.0,

						5573.0, 5581.0, 5430.0, 5488.0, 5264.0, 5638.0, 5336.0, 5381.0, 5482.0, 5297.0, 5478.0, 5510.0, 5564.0, 5569.0, 5587.0, 5383.0, 5269.0, 5339.0, 5565.0, 5399.0, 5346.0, 5372.0, 5606.0, 5300.0, 5293.0, 5653.0, 5277.0, 5658.0, 5363.0, 5633.0, 5422.0, 5256.0, 5306.0, 5258.0, 5566.0 (number of hits: 8)
18	5290	9	1	333	1	5256.0, 5692.0, 5344.0, 5486.0, 5549.0, 5657.0, 5567.0, 5509.0, 5464.0, 5527.0, 5329.0, 5452.0, 5308.0, 5389.0, 5387.0, 5525.0, 5478.0, 5623.0, 5529.0, 5630.0, 5288.0, 5709.0, 5359.0, 5451.0, 5586.0, 5607.0, 5300.0, 5307.0, 5319.0, 5341.0, 5501.0, 5695.0, 5643.0, 5718.0, 5331.0, 5380.0, 5337.0, 5667.0, 5543.0, 5558.0, 5373.0, 5358.0, 5594.0, 5559.0, 5537.0, 5503.0, 5334.0, 5650.0, 5267.0, 5687.0, 5601.0, 5581.0, 5521.0, 5467.0, 5534.0, 5460.0, 5641.0, 5421.0, 5481.0, 5654.0, 5312.0, 5436.0, 5419.0, 5461.0, 5480.0, 5652.0, 5702.0, 5326.0, 5553.0, 5382.0, 5295.0, 5711.0, 5686.0, 5555.0, 5422.0, 5577.0, 5371.0, 5613.0, 5624.0, 5442.0, 5364.0, 5679.0, 5550.0, 5642.0, 5366.0, 5470.0, 5605.0, 5423.0, 5269.0, 5413.0, 5674.0, 5634.0, 5251.0, 5572.0, 5446.0, 5611.0, 5259.0, 5287.0, 5277.0, 5253.0 (number of hits: 7)
19	5290	9	1	333	1	5254.0, 5603.0, 5589.0, 5657.0, 5441.0, 5427.0, 5252.0, 5470.0, 5501.0, 5642.0, 5426.0, 5606.0, 5647.0, 5314.0, 5300.0, 5663.0, 5335.0, 5405.0, 5643.0, 5380.0, 5369.0, 5620.0, 5690.0, 5618.0, 5461.0, 5377.0, 5294.0, 5608.0, 5261.0, 5454.0, 5284.0, 5510.0, 5402.0, 5499.0, 5548.0, 5665.0, 5302.0, 5721.0, 5621.0, 5557.0, 5303.0, 5566.0, 5358.0, 5374.0, 5613.0, 5704.0, 5719.0, 5509.0, 5431.0, 5373.0, 5556.0, 5440.0, 5360.0, 5331.0, 5650.0, 5478.0, 5535.0, 5447.0, 5508.0, 5409.0, 5646.0, 5368.0, 5656.0, 5272.0, 5326.0, 5713.0, 5628.0, 5442.0, 5596.0, 5413.0, 5479.0, 5634.0, 5311.0, 5396.0, 5653.0, 5625.0, 5658.0, 5639.0, 5434.0, 5527.0, 5662.0, 5365.0, 5515.0, 5340.0, 5381.0, 5529.0, 5594.0, 5611.0, 5696.0, 5469.0, 5435.0, 5502.0, 5339.0, 5456.0, 5352.0, 5449.0, 5439.0, 5334.0, 5346.0, 5682.0 (number of hits: 6)
20	5290	9	1	333	1	5440.0, 5299.0, 5277.0, 5491.0, 5402.0, 5480.0, 5321.0, 5613.0, 5442.0, 5565.0, 5533.0, 5697.0, 5317.0, 5705.0, 5490.0, 5646.0, 5583.0, 5674.0, 5292.0, 5651.0, 5487.0, 5645.0, 5599.0, 5718.0, 5670.0, 5494.0, 5441.0, 5437.0, 5301.0, 5570.0, 5361.0, 5268.0, 5691.0, 5439.0, 5492.0, 5562.0, 5276.0, 5483.0, 5650.0, 5334.0, 5508.0, 5511.0, 5698.0, 5642.0, 5360.0,

						5526.0, 5306.0, 5272.0, 5682.0, 5300.0, 5506.0, 5647.0, 5288.0, 5574.0, 5716.0, 5690.0, 5456.0, 5530.0, 5692.0, 5641.0, 5571.0, 5649.0, 5552.0, 5438.0, 5382.0, 5472.0, 5512.0, 5273.0, 5255.0, 5473.0, 5422.0, 5427.0, 5353.0, 5297.0, 5514.0, 5293.0, 5617.0, 5357.0, 5262.0, 5280.0, 5407.0, 5723.0, 5347.0, 5319.0, 5709.0, 5602.0, 5340.0, 5714.0, 5694.0, 5366.0, 5556.0, 5420.0, 5585.0, 5627.0, 5304.0, 5282.0, 5563.0, 5707.0, 5254.0, 5344.0 (number of hits: 9)
21	5290	9	1	333	1	5644.0, 5293.0, 5640.0, 5339.0, 5630.0, 5353.0, 5575.0, 5494.0, 5379.0, 5477.0, 5437.0, 5382.0, 5415.0, 5407.0, 5619.0, 5718.0, 5608.0, 5322.0, 5302.0, 5518.0, 5491.0, 5331.0, 5259.0, 5264.0, 5369.0, 5336.0, 5311.0, 5402.0, 5305.0, 5360.0, 5682.0, 5598.0, 5307.0, 5267.0, 5362.0, 5666.0, 5368.0, 5377.0, 5714.0, 5679.0, 5388.0, 5538.0, 5460.0, 5274.0, 5582.0, 5556.0, 5547.0, 5559.0, 5532.0, 5706.0, 5432.0, 5652.0, 5275.0, 5615.0, 5683.0, 5414.0, 5309.0, 5391.0, 5680.0, 5631.0, 5568.0, 5555.0, 5365.0, 5253.0, 5689.0, 5499.0, 5289.0, 5260.0, 5578.0, 5395.0, 5565.0, 5464.0, 5389.0, 5627.0, 5527.0, 5358.0, 5332.0, 5588.0, 5665.0, 5497.0, 5320.0, 5403.0, 5314.0, 5364.0, 5534.0, 5570.0, 5596.0, 5685.0, 5257.0, 5422.0, 5509.0, 5405.0, 5317.0, 5636.0, 5704.0, 5392.0, 5421.0, 5270.0, 5278.0, 5659.0 (number of hits: 8)
22	5290	9	1	333	1	5570.0, 5441.0, 5557.0, 5616.0, 5648.0, 5540.0, 5509.0, 5654.0, 5503.0, 5491.0, 5398.0, 5564.0, 5672.0, 5353.0, 5276.0, 5285.0, 5406.0, 5282.0, 5432.0, 5600.0, 5620.0, 5292.0, 5546.0, 5274.0, 5451.0, 5520.0, 5673.0, 5514.0, 5702.0, 5718.0, 5423.0, 5583.0, 5473.0, 5656.0, 5417.0, 5465.0, 5695.0, 5337.0, 5464.0, 5714.0, 5571.0, 5498.0, 5532.0, 5511.0, 5697.0, 5587.0, 5652.0, 5391.0, 5554.0, 5547.0, 5720.0, 5426.0, 5330.0, 5343.0, 5624.0, 5385.0, 5502.0, 5322.0, 5562.0, 5712.0, 5483.0, 5548.0, 5494.0, 5290.0, 5323.0, 5639.0, 5653.0, 5320.0, 5416.0, 5586.0, 5512.0, 5573.0, 5321.0, 5308.0, 5378.0, 5311.0, 5646.0, 5409.0, 5677.0, 5625.0, 5493.0, 5279.0, 5499.0, 5691.0, 5708.0, 5663.0, 5435.0, 5397.0, 5543.0, 5469.0, 5531.0, 5529.0, 5288.0, 5612.0, 5604.0, 5252.0, 5552.0, 5706.0, 5478.0, 5675.0 (number of hits: 6)
23	5290	9	1	333	1	5306.0, 5343.0, 5254.0, 5258.0, 5516.0, 5608.0, 5618.0, 5372.0, 5356.0, 5288.0, 5626.0, 5607.0, 5719.0, 5264.0, 5276.0, 5622.0, 5394.0, 5284.0, 5461.0, 5384.0, 5488.0, 5540.0, 5421.0, 5386.0, 5251.0,

						5637.0, 5334.0, 5630.0, 5333.0, 5624.0, 5449.0, 5645.0, 5286.0, 5700.0, 5442.0, 5274.0, 5612.0, 5309.0, 5648.0, 5352.0, 5336.0, 5362.0, 5468.0, 5609.0, 5450.0, 5636.0, 5512.0, 5260.0, 5706.0, 5508.0, 5610.0, 5310.0, 5646.0, 5470.0, 5327.0, 5604.0, 5503.0, 5297.0, 5361.0, 5680.0, 5670.0, 5278.0, 5339.0, 5428.0, 5396.0, 5514.0, 5397.0, 5448.0, 5404.0, 5619.0, 5269.0, 5367.0, 5287.0, 5510.0, 5492.0, 5559.0, 5406.0, 5543.0, 5321.0, 5489.0, 5506.0, 5712.0, 5613.0, 5443.0, 5511.0, 5628.0, 5584.0, 5285.0, 5500.0, 5682.0, 5632.0, 5426.0, 5438.0, 5585.0, 5296.0, 5576.0, 5414.0, 5718.0, 5280.0, 5412.0 (number of hits: 9)
24	5290	9	1	333	1	5699.0, 5444.0, 5319.0, 5405.0, 5552.0, 5671.0, 5540.0, 5281.0, 5670.0, 5365.0, 5512.0, 5462.0, 5308.0, 5492.0, 5708.0, 5354.0, 5656.0, 5598.0, 5254.0, 5638.0, 5553.0, 5637.0, 5485.0, 5719.0, 5376.0, 5256.0, 5697.0, 5613.0, 5489.0, 5557.0, 5682.0, 5278.0, 5511.0, 5650.0, 5586.0, 5307.0, 5514.0, 5720.0, 5290.0, 5362.0, 5666.0, 5692.0, 5309.0, 5435.0, 5257.0, 5363.0, 5314.0, 5261.0, 5484.0, 5565.0, 5581.0, 5297.0, 5394.0, 5502.0, 5589.0, 5413.0, 5694.0, 5494.0, 5689.0, 5702.0, 5463.0, 5419.0, 5260.0, 5455.0, 5299.0, 5349.0, 5350.0, 5578.0, 5602.0, 5590.0, 5364.0, 5575.0, 5532.0, 5676.0, 5543.0, 5271.0, 5428.0, 5424.0, 5706.0, 5710.0, 5422.0, 5545.0, 5298.0, 5398.0, 5686.0, 5471.0, 5266.0, 5576.0, 5338.0, 5506.0, 5530.0, 5415.0, 5315.0, 5423.0, 5582.0, 5324.0, 5332.0, 5714.0, 5667.0, 5568.0 (number of hits: 8)
25	5290	9	1	333	1	5527.0, 5717.0, 5377.0, 5531.0, 5585.0, 5413.0, 5337.0, 5308.0, 5496.0, 5429.0, 5711.0, 5386.0, 5639.0, 5341.0, 5689.0, 5288.0, 5284.0, 5287.0, 5325.0, 5665.0, 5354.0, 5708.0, 5696.0, 5328.0, 5428.0, 5315.0, 5427.0, 5456.0, 5498.0, 5375.0, 5691.0, 5492.0, 5656.0, 5382.0, 5490.0, 5657.0, 5651.0, 5587.0, 5436.0, 5258.0, 5348.0, 5383.0, 5372.0, 5297.0, 5649.0, 5305.0, 5425.0, 5450.0, 5407.0, 5462.0, 5690.0, 5606.0, 5265.0, 5304.0, 5481.0, 5720.0, 5605.0, 5322.0, 5524.0, 5510.0, 5471.0, 5426.0, 5444.0, 5402.0, 5357.0, 5256.0, 5339.0, 5621.0, 5336.0, 5618.0, 5702.0, 5350.0, 5637.0, 5615.0, 5272.0, 5537.0, 5640.0, 5367.0, 5333.0, 5300.0, 5506.0, 5393.0, 5389.0, 5706.0, 5684.0, 5368.0, 5342.0, 5461.0, 5538.0, 5412.0, 5714.0, 5698.0, 5586.0, 5355.0, 5597.0, 5430.0, 5582.0, 5261.0, 5262.0, 5576.0 (number of hits: 7)
26	5290	9	1	333	1	5440.0, 5423.0, 5251.0, 5695.0, 5454.0,

						5663.0, 5465.0, 5342.0, 5589.0, 5425.0, 5390.0, 5326.0, 5703.0, 5495.0, 5471.0, 5618.0, 5571.0, 5636.0, 5653.0, 5268.0, 5406.0, 5576.0, 5418.0, 5595.0, 5270.0, 5414.0, 5366.0, 5588.0, 5687.0, 5460.0, 5570.0, 5283.0, 5619.0, 5606.0, 5257.0, 5309.0, 5403.0, 5665.0, 5510.0, 5349.0, 5505.0, 5432.0, 5394.0, 5518.0, 5583.0, 5602.0, 5396.0, 5473.0, 5517.0, 5569.0, 5284.0, 5534.0, 5716.0, 5501.0, 5480.0, 5649.0, 5287.0, 5715.0, 5579.0, 5401.0, 5622.0, 5672.0, 5255.0, 5699.0, 5365.0, 5327.0, 5315.0, 5557.0, 5359.0, 5455.0, 5489.0, 5548.0, 5710.0, 5308.0, 5262.0, 5410.0, 5350.0, 5292.0, 5538.0, 5651.0, 5399.0, 5420.0, 5303.0, 5708.0, 5608.0, 5545.0, 5333.0, 5573.0, 5316.0, 5388.0, 5486.0, 5273.0, 5419.0, 5408.0, 5508.0, 5470.0, 5514.0, 5435.0, 5704.0, 5360.0 (number of hits: 5)
27	5290	9	1	333	1	5385.0, 5329.0, 5334.0, 5568.0, 5591.0, 5713.0, 5447.0, 5456.0, 5487.0, 5474.0, 5701.0, 5403.0, 5339.0, 5260.0, 5364.0, 5390.0, 5722.0, 5477.0, 5599.0, 5388.0, 5497.0, 5341.0, 5261.0, 5414.0, 5307.0, 5478.0, 5486.0, 5434.0, 5446.0, 5583.0, 5662.0, 5664.0, 5621.0, 5601.0, 5559.0, 5265.0, 5667.0, 5320.0, 5427.0, 5510.0, 5481.0, 5270.0, 5313.0, 5552.0, 5454.0, 5419.0, 5704.0, 5488.0, 5637.0, 5319.0, 5569.0, 5594.0, 5489.0, 5502.0, 5389.0, 5378.0, 5553.0, 5407.0, 5712.0, 5287.0, 5534.0, 5572.0, 5671.0, 5408.0, 5518.0, 5672.0, 5286.0, 5530.0, 5499.0, 5598.0, 5587.0, 5417.0, 5564.0, 5529.0, 5546.0, 5485.0, 5651.0, 5350.0, 5681.0, 5295.0, 5268.0, 5609.0, 5514.0, 5657.0, 5628.0, 5379.0, 5476.0, 5458.0, 5641.0, 5423.0, 5705.0, 5262.0, 5340.0, 5547.0, 5509.0, 5693.0, 5623.0, 5374.0, 5605.0, 5349.0 (number of hits: 5)
28	5290	9	1	333	1	5316.0, 5363.0, 5599.0, 5601.0, 5525.0, 5668.0, 5277.0, 5686.0, 5518.0, 5391.0, 5586.0, 5678.0, 5526.0, 5432.0, 5651.0, 5544.0, 5680.0, 5379.0, 5612.0, 5594.0, 5437.0, 5487.0, 5485.0, 5427.0, 5309.0, 5270.0, 5714.0, 5559.0, 5723.0, 5444.0, 5666.0, 5396.0, 5630.0, 5251.0, 5329.0, 5516.0, 5691.0, 5508.0, 5295.0, 5385.0, 5259.0, 5472.0, 5476.0, 5468.0, 5266.0, 5383.0, 5579.0, 5453.0, 5548.0, 5291.0, 5581.0, 5490.0, 5646.0, 5710.0, 5607.0, 5319.0, 5400.0, 5556.0, 5439.0, 5332.0, 5718.0, 5399.0, 5609.0, 5530.0, 5382.0, 5674.0, 5647.0, 5252.0, 5283.0, 5367.0, 5256.0, 5337.0, 5636.0, 5605.0, 5466.0, 5662.0, 5457.0, 5423.0, 5265.0, 5521.0, 5436.0, 5447.0, 5359.0, 5273.0, 5429.0, 5541.0, 5483.0, 5706.0, 5720.0, 5449.0,

						5615.0, 5701.0, 5347.0, 5489.0, 5282.0, 5519.0, 5450.0, 5563.0, 5260.0, 5275.0 (number of hits: 3)
29	5290	9	1	333	1	5607.0, 5527.0, 5579.0, 5568.0, 5501.0, 5709.0, 5654.0, 5714.0, 5377.0, 5532.0, 5440.0, 5399.0, 5301.0, 5719.0, 5320.0, 5553.0, 5558.0, 5506.0, 5531.0, 5424.0, 5517.0, 5382.0, 5634.0, 5716.0, 5713.0, 5598.0, 5645.0, 5533.0, 5464.0, 5667.0, 5723.0, 5462.0, 5685.0, 5601.0, 5302.0, 5265.0, 5571.0, 5284.0, 5616.0, 5328.0, 5575.0, 5596.0, 5456.0, 5529.0, 5330.0, 5275.0, 5426.0, 5657.0, 5315.0, 5281.0, 5538.0, 5671.0, 5497.0, 5491.0, 5474.0, 5551.0, 5625.0, 5591.0, 5264.0, 5647.0, 5587.0, 5712.0, 5677.0, 5292.0, 5580.0, 5372.0, 5569.0, 5628.0, 5683.0, 5526.0, 5312.0, 5595.0, 5547.0, 5563.0, 5256.0, 5310.0, 5469.0, 5489.0, 5711.0, 5576.0, 5561.0, 5271.0, 5333.0, 5504.0, 5402.0, 5303.0, 5286.0, 5482.0, 5653.0, 5381.0, 5717.0, 5412.0, 5539.0, 5313.0, 5367.0, 5698.0, 5485.0, 5536.0, 5609.0, 5651.0 (number of hits: 8)
30	5290	9	1	333	1	5593.0, 5506.0, 5546.0, 5424.0, 5374.0, 5614.0, 5435.0, 5580.0, 5595.0, 5486.0, 5299.0, 5397.0, 5363.0, 5616.0, 5426.0, 5427.0, 5284.0, 5528.0, 5388.0, 5438.0, 5476.0, 5414.0, 5668.0, 5526.0, 5405.0, 5555.0, 5396.0, 5504.0, 5720.0, 5624.0, 5702.0, 5645.0, 5366.0, 5304.0, 5680.0, 5434.0, 5712.0, 5358.0, 5383.0, 5613.0, 5663.0, 5628.0, 5634.0, 5684.0, 5679.0, 5576.0, 5575.0, 5507.0, 5408.0, 5334.0, 5643.0, 5283.0, 5517.0, 5700.0, 5547.0, 5617.0, 5527.0, 5482.0, 5362.0, 5723.0, 5417.0, 5582.0, 5596.0, 5531.0, 5510.0, 5717.0, 5551.0, 5654.0, 5475.0, 5518.0, 5300.0, 5516.0, 5286.0, 5407.0, 5371.0, 5465.0, 5525.0, 5473.0, 5549.0, 5266.0, 5633.0, 5298.0, 5487.0, 5314.0, 5701.0, 5347.0, 5346.0, 5676.0, 5661.0, 5647.0, 5511.0, 5337.0, 5340.0, 5660.0, 5459.0, 5545.0, 5550.0, 5505.0, 5587.0, 5450.0 (number of hits: 6)

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	86.7 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate (Type1 to 4)	120	90.0 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1 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	61	1	878	1
3	5530	76	1	698	0
4	5530	70	1	758	1
5	5530	18	1	3066	1
6	5530	83	1	638	1
7	5530	62	1	858	1
8	5530	89	1	598	1
9	5530	86	1	618	1
10	5530	81	1	658	1
11	5530	65	1	818	1
12	5530	92	1	578	1
13	5530	74	1	718	1
14	5530	68	1	778	1
15	5530	59	1	898	1
16	5530	38	1	1394	1
17	5530	59	1	909	1
18	5530	28	1	1897	1
19	5530	23	1	2367	1
20	5530	26	1	2106	0
21	5530	20	1	2683	1
22	5530	30	1	1778	0
23	5530	25	1	2145	1
24	5530	43	1	1256	1
25	5530	20	1	2712	1
26	5530	31	1	1708	0
27	5530	43	1	1254	1
28	5530	91	1	582	1
29	5530	18	1	3004	1
30	5530	19	1	2926	1
Detection Percentage: 86.7 % (>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	28	3.1	218	1
2	5530	26	3.2	217	1
3	5530	29	2.6	169	1
4	5530	23	3.1	228	1
5	5530	25	2.4	190	1
6	5530	27	4.1	205	0
7	5530	25	3.9	188	1
8	5530	23	4.8	188	1
9	5530	23	3.1	183	1
10	5530	25	5	152	1
11	5530	24	2	160	1
12	5530	23	2.8	222	1
13	5530	25	2.7	186	1
14	5530	29	1.3	225	1
15	5530	29	1.8	210	1
16	5530	29	3.4	214	0
17	5530	26	4	159	1
18	5530	28	4	217	1
19	5530	25	1.5	153	0
20	5530	23	1.9	152	1
21	5530	26	2.3	164	1
22	5530	26	3.2	160	1
23	5530	23	1.8	166	1
24	5530	24	4	212	1
25	5530	27	3.2	179	1
26	5530	28	1.8	162	1
27	5530	24	4	220	1
28	5530	27	3.8	179	1
29	5530	27	1.4	187	1
30	5530	27	1.9	201	0
Detection Percentage: 86.7 % (>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	16	9.4	391	1
2	5530	16	7.2	433	1
3	5530	18	8.6	414	1
4	5530	17	9.3	385	1
5	5530	18	9.6	205	1
6	5530	17	6	226	1
7	5530	17	7.3	471	1
8	5530	17	9.7	244	1
9	5530	18	8.3	351	1
10	5530	18	7.9	240	1
11	5530	18	6.8	316	1
12	5530	18	8.2	239	1
13	5530	17	7.6	393	1
14	5530	17	6	399	1
15	5530	16	9.9	355	1
16	5530	17	6.7	365	1
17	5530	18	7.3	234	1
18	5530	17	7.3	462	1
19	5530	16	7.9	434	0
20	5530	16	8.4	427	1
21	5530	16	7.3	297	1
22	5530	18	9.7	245	1
23	5530	18	7.2	427	0
24	5530	18	6.7	405	1
25	5530	16	6.9	279	1
26	5530	17	7.2	291	1
27	5530	16	10	340	1
28	5530	16	7.1	391	1
29	5530	17	9.1	472	1
30	5530	18	8.3	420	1
Detection Percentage: 93.3 % (>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	11.2	236	1
2	5530	13	19.4	438	1
3	5530	15	15.6	389	1
4	5530	12	19.6	226	1
5	5530	15	13.1	272	1
6	5530	16	16.3	428	1
7	5530	13	16.1	345	1
8	5530	16	12.7	496	1
9	5530	15	13.2	438	0
10	5530	14	18.9	464	1
11	5530	12	17.5	339	1
12	5530	15	12.2	307	1
13	5530	16	19.8	483	1
14	5530	15	12.1	317	1
15	5530	14	17.6	221	1
16	5530	13	17.1	330	1
17	5530	16	18.1	460	1
18	5530	16	12	470	1
19	5530	12	18.9	428	1
20	5530	15	13.3	258	1
21	5530	13	12	386	0
22	5530	15	14.2	312	1
23	5530	13	11.1	294	1
24	5530	13	18.4	464	1
25	5530	13	14.9	211	1
26	5530	15	16.7	268	1
27	5530	15	15.5	372	1
28	5530	12	16.4	336	1
29	5530	12	17.9	379	1
30	5530	14	19.2	304	1
Detection Percentage: 93.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

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	17	79.6			1.020184	
1	1	10	94.5			1.845772	
2	2	9	53.1	1964		3.264841	
3	2	19	69.4	1155		3.426382	
4	2	10	57.6	1198		4.851406	
5	2	19	60.4	1498		5.580431	1
6	1	11	51.7			7.567503	
7	2	16	87.3	1319		8.037551	
8	1	13	51.7			9.645296	
9	1	10	51.5			9.876283	
10	1	19	90			11.013006	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	65.4			0.50074	
1	1	12	91.1			1.118599	
2	3	14	88.5	1942	1218	1.845466	
3	3	7	53.7	1871	1831	2.61319	
4	2	17	93.9	1144		3.380194	
5	2	14	83.1	1786		4.040682	
6	1	20	81.1			4.866218	
7	3	13	78.2	1788	1546	5.315825	
8	3	17	92	1912	1492	6.073926	1
9	2	6	86.5	1409		6.822262	
10	2	9	61.2	1779		7.460481	
11	2	6	62	1969		8.345306	
12	2	17	68.8	1533		8.735186	
13	2	15	72	1230		9.292293	
14	2	17	60.3	1466		10.408345	
15	1	18	82.1			10.813656	
16	2	19	84.4	1950		11.347773	

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	99.8	1251		0.173596	
1	2	5	89	1300		1.71595	
2	2	11	82	1873		2.447074	
3	2	13	96.6	1131		3.570642	
4	3	14	54.6	1413	1099	4.843299	
5	2	10	71.7	1359		6.509343	1
6	3	11	89.6	1403	1104	6.70345	
7	1	9	60.3			8.137694	
8	1	6	50.5			8.738692	
9	3	11	69.6	1315	1632	10.602937	
10	1	19	54.9			11.575135	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	57.6			0.359881	
1	1	17	87.8			0.904734	
2	2	8	79.9	1698		1.842393	
3	2	10	88.7	1661		1.905921	
4	2	16	83.8	1414		2.785915	
5	2	17	92.9	1167		3.450573	
6	3	16	81.9	1114	1260	3.872609	
7	1	8	58.4			4.995878	
8	2	19	76.7	1311		5.671099	
9	2	15	99.5	1226		6.128236	1
10	2	7	76.2	1472		6.509182	
11	1	16	99.6			7.230841	
12	3	16	85	1561	1484	7.957833	
13	2	19	98.4	1324		8.474298	
14	1	11	54.7			8.895497	
15	2	8	91.5	1277		9.757574	
16	2	12	73.7	1370		10.280916	
17	3	7	92.5	1294	1164	11.271657	
18	2	10	50.6	1892		11.949799	

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	86.5	1820		0.6602	1
1	1	7	57.5			0.879484	
2	1	17	88.9			1.896366	
3	2	11	86.8	1568		2.076242	
4	3	16	87.3	1279	1179	3.036293	
5	1	17	72			3.504359	
6	2	17	65.7	1212		4.095508	
7	1	11	62.3			4.817755	
8	2	16	83.9	1249		5.342644	
9	2	19	88.5	1368		6.090129	
10	1	12	65.6			7.226679	
11	2	17	70.4	1647		7.409518	
12	3	19	60.6	1235	1065	8.08666	
13	2	14	65.4	1488		9.20144	
14	1	6	84.2			9.542215	
15	1	15	99			10.141745	
16	3	14	65.3	1871	1673	10.888049	
17	2	8	54.3	1596		11.92996	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	79.7			0.03617	
1	2	17	94.7	1511		0.998508	
2	3	16	80.2	1468	1972	1.421083	
3	3	12	68.8	1285	1702	2.111372	
4	1	11	76.1			3.019805	
5	2	8	59.7	1857		3.647457	
6	2	9	84.3	1954		4.086272	
7	2	11	77.3	1106		4.852046	
8	3	7	86.3	1267	1812	5.128279	
9	3	12	72.4	1997	1357	6.205023	1
10	1	13	69			6.867119	
11	3	13	82.2	1678	1556	7.191511	
12	2	17	66	1648		7.821291	
13	2	15	69.5	1800		8.663473	
14	1	14	78.8			9.403105	
15	3	9	96.6	1247	1804	10.087229	
16	1	16	71.8			10.303557	
17	2	5	57.7	1528		11.191822	
18	2	9	72.3	1458		11.903799	

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	12	59.1	1082		1.246618	
1	2	17	86.5	1784		1.364223	
2	3	7	96.3	1818	1240	3.02672	
3	3	10	54.3	1988	1490	4.789366	
4	3	14	88.6	1337	1334	5.688742	1
5	2	15	97.8	1284		7.980758	
6	1	16	74.5			8.274964	
7	1	16	79.2			10.08333	
8	2	15	85.1	1247		11.536293	

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	19	55.3			1.0796	1
1	3	5	61.6	1251	1648	1.734386	
2	2	14	75.2	1746		3.460769	
3	1	13	89.9			4.598196	
4	2	8	66.4	1599		5.369999	
5	2	19	67.4	1503		6.399334	
6	2	14	81	1340		7.51987	
7	1	9	66.5			9.271742	
8	2	13	63.5	1014		10.043111	
9	2	7	84.4	1315		11.971849	

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	16	66.8	1380		0.89481	1
1	1	9	57.4			1.627075	
2	3	19	82.6	1667	1008	2.545572	
3	3	10	77.2	1359	1885	3.679244	
4	1	19	88.7			4.92539	
5	2	15	74.3	1157		5.552081	
6	2	12	65.2	1526		6.003376	
7	2	11	98.8	1524		7.873946	
8	1	12	92.2			8.724357	
9	3	20	97.9	1884	1851	9.120305	
10	2	12	88.2	1738		10.870148	
11	2	8	95.5	1564		11.450218	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	85.9			0.044899	
1	2	7	81.4	1269		1.229229	
2	2	13	84.3	1164		2.796399	
3	1	13	62			4.13109	
4	1	17	82.1			4.856808	
5	1	7	57			6.207898	1
6	2	10	73.9	1457		6.977634	
7	2	13	77.8	1626		7.757062	
8	3	12	58.3	1338	1026	9.125858	
9	1	11	86.5			10.586109	
10	3	9	86.2	1117	1298	11.80029	

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	11	89.1	1297	1798	0.615807	
1	3	14	89.8	1485	1597	0.683431	
2	1	8	57			1.581258	
3	2	17	97.7	1136		2.639843	
4	2	17	66.8	1335		2.814106	
5	1	5	76.3			3.612381	
6	1	6	94.8			4.075632	
7	3	18	55.8	1565	1334	5.092475	
8	2	5	61.5	1261		5.470841	
9	2	6	67.4	1098		6.636908	1
10	3	15	78.4	1246	1981	7.221672	
11	2	20	66.9	1172		7.393664	
12	2	13	64.1	1441		8.608534	
13	3	16	98.8	1184	1289	9.097363	
14	3	7	77.9	1950	1911	9.489552	
15	1	14	80.4			10.107848	
16	1	12	96.4			11.127371	
17	1	5	89.7			11.453604	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	76.2	1701		0.184634	1
1	2	20	80.6	1817		1.309408	
2	2	18	72.5	1047		2.228937	
3	2	8	83.7	1981		2.738489	
4	2	15	70.7	1303		3.604798	
5	2	10	75.6	1306		3.793733	
6	3	6	89.4	1630	1912	4.681228	
7	1	17	66.3			5.946976	
8	2	13	61.5	1562		6.008265	
9	2	16	67.5	1112		7.104979	
10	2	9	96.1	1357		7.852642	
11	1	14	79.9			8.93516	
12	1	13	57			9.514072	
13	2	16	53.7	1332		10.314206	
14	2	14	80.2	1432		11.016484	
15	2	15	90.1	1719		11.488356	

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	6	96.2	1799	1439	0.312016	
1	2	18	69.6	1359		0.758177	
2	3	15	80.3	1485	1070	1.661513	
3	3	11	62.6	1343	1500	2.315579	
4	3	18	71.5	1702	1090	2.949217	
5	3	7	50.1	1665	1636	3.206723	
6	2	10	71.6	1466		3.966361	
7	2	15	50.9	1372		4.928158	
8	3	20	87.3	1430	1473	5.345698	
9	3	10	89.8	1636	1014	5.950832	1
10	2	13	54.7	1904		6.760698	
11	3	14	67.1	1960	1798	7.434036	
12	3	19	72.1	1783	1251	7.92044	
13	2	8	78.9	1122		8.435221	
14	1	9	73.3			9.214902	
15	3	17	63.9	1371	1397	9.569608	
16	1	18	87			10.462631	
17	2	9	62.7	1324		10.860129	
18	2	5	73.9	1312		11.749689	

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	12	73.7	1782		0.576764	1
1	3	14	94.4	1474	1262	0.942099	
2	1	8	54.3			1.87644	
3	2	14	60.9	1143		2.368721	
4	1	5	77.8			3.287375	
5	2	16	53.3	1066		3.480449	
6	3	16	77.6	1919	1775	4.058821	
7	1	19	91.3			5.185717	
8	3	15	62.3	1626	1725	5.36258	
9	1	12	53.1			6.034218	
10	1	7	51.9			6.772343	
11	1	18	76.7			7.68436	
12	2	17	63.2	1239		8.360746	
13	2	6	58.6	1380		8.708265	
14	1	15	91.3			9.799006	
15	3	13	82.2	1439	1986	10.335782	
16	2	9	75.8	1963		10.736274	
17	3	9	78.6	1052	1817	11.366963	

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	71	1324		0.328685	1
1	1	10	57.5			1.678693	
2	2	17	62.5	1120		2.227144	
3	2	10	51.7	1448		2.632954	
4	1	9	82			4.023695	
5	2	7	92.2	1290		4.546533	
6	2	9	50.4	1588		5.985057	
7	1	16	90.7			6.495666	
8	2	17	52.2	1552		7.042418	
9	1	15	91.6			8.142801	
10	2	16	93.7	1446		9.342238	
11	3	16	98.9	1665	1612	9.914395	
12	2	7	66.2	1660		10.92044	
13	2	13	69.5	1487		11.262119	

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	13	71.4	1194		0.594756	1
1	3	9	67.6	1696	1866	1.421483	
2	1	16	66			2.513142	
3	3	8	71.1	1679	1148	3.128479	
4	1	13	79.5			4.707014	
5	3	5	52	1570	1995	5.156734	
6	3	19	89.1	1391	1860	6.371311	
7	2	18	89.6	1828		7.54631	
8	2	18	76.9	1301		8.132432	
9	1	7	72.2			9.552767	
10	2	6	57.5	1579		10.977558	
11	3	16	74.6	1786	1691	11.526834	

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	10	72.5	1197	1145	0.30768	1
1	3	19	56.3	1860	1465	0.980938	
2	2	10	70.8	1779		1.430573	
3	1	8	50.4			2.360749	
4	1	17	91.5			2.8602	
5	3	16	80.4	1716	1227	3.903446	
6	2	19	58.5	1795		4.114482	
7	3	8	84.3	1863	1090	5.246389	
8	3	11	97.4	1977	1937	5.953226	
9	3	16	50.7	1393	1717	6.626585	
10	3	9	97.9	1037	1474	7.235911	
11	3	19	66.2	1790	1377	7.60271	
12	2	8	50.3	1418		8.63397	
13	2	13	84.6	1382		9.176492	
14	3	14	53.3	1967	1243	9.338121	
15	2	11	62.4	1157		10.330662	
16	1	9	82.6			10.779207	
17	3	12	54.3	1256	1607	11.408091	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	90	1210	1321	0.378304	1
1	2	15	78.3	1384		0.935244	
2	2	7	70.8	1557		2.428541	
3	2	14	90.7	1987		2.900737	
4	2	13	71.9	1629		3.805821	
5	1	17	85.9			4.312909	
6	1	18	80.1			5.745729	
7	3	7	97.1	1934	1144	6.175624	
8	1	8	64			7.089905	
9	2	7	95.2	1061		8.180797	
10	2	7	75.4	1558		8.718046	
11	2	9	87.9	1687		10.245279	
12	2	7	66.4	1283		10.894654	
13	2	5	69	1185		11.27797	

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	8	84.7			0.448799	1
1	2	14	70	1950		1.14359	
2	2	7	98.9	1729		1.503607	
3	2	10	81.7	1184		2.412197	
4	1	19	74.8			3.444258	
5	1	20	51.6			3.87481	
6	2	19	83.6	1614		4.317252	
7	2	16	87	1615		5.220717	
8	2	10	53.8	1739		5.669916	
9	1	11	90.4			6.597717	
10	1	11	71.3			7.133294	
11	2	6	54.5	1160		8.140456	
12	1	20	74.6			8.609465	
13	2	20	70.3	1135		9.426282	
14	2	11	69.7	1391		9.902001	
15	1	19	70.1			10.743444	
16	1	18	98.7			11.747201	

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	10	71.6	1142	1585	0.598061	1
1	1	7	83			0.916062	
2	2	6	53.5	1186		1.950459	
3	2	9	97.8	1531		2.458038	
4	2	11	93.9	1296		3.141467	
5	2	14	72.6	1641		3.89782	
6	2	5	89.6	1070		5.11174	
7	1	18	69.3			5.918075	
8	3	8	57.1	1093	1587	6.544697	
9	3	7	76.2	1245	1540	7.042264	
10	3	18	71.4	1575	1955	7.862913	
11	1	13	98.5			8.723688	
12	3	12	57.1	1970	1862	9.562736	
13	2	15	91	1092		10.104828	
14	3	13	80.1	1588	1223	10.83951	
15	1	11	87.2			11.691811	

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	15	63.6			0.119956	1
1	1	17	72.6			1.191315	
2	2	19	67.5	1068		1.719207	
3	2	7	80.1	1137		3.146964	
4	1	14	86.5			3.795227	
5	1	6	52.3			4.672848	
6	1	12	75.3			5.556883	
7	2	11	90.4	1077		6.196088	
8	3	17	51.6	1127	1778	6.978684	
9	2	9	66.6	1269		7.924713	
10	2	10	76.2	1613		8.584897	
11	2	19	88.7	1170		9.998995	
12	3	13	64.1	1007	1391	10.834299	
13	1	6	77			11.145957	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	51.2			0.288054	
1	1	10	81.6			0.672918	
2	2	8	53.4	1760		1.548566	
3	2	8	95.9	1835		2.287249	
4	2	19	75.8	1583		2.94916	
5	2	10	57.7	1337		3.510644	
6	2	11	70.4	1512		4.372483	
7	1	18	65.7			4.823627	
8	2	16	79.1	1588		5.665185	
9	1	8	54.4			6.246256	1
10	2	19	93	1837		6.461859	
11	2	16	72.9	1496		7.330355	
12	2	11	88.4	1467		8.183961	
13	1	8	66.9			8.836382	
14	2	6	96.6	1364		9.32909	
15	2	7	57.1	1043		9.528596	
16	1	12	80.3			10.63612	
17	3	12	92.2	1202	1925	11.027549	
18	2	9	85.2	1368		11.473744	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	79	1910		0.227435	
1	2	13	65.4	1393		0.868887	
2	2	7	80.5	1034		2.152113	
3	3	16	58.8	1086	1333	2.874592	
4	2	13	90.8	1727		3.729799	
5	1	7	87.3			4.325508	
6	3	20	95.7	1404	1443	5.052865	
7	2	11	81.3	1050		6.192137	1
8	2	20	89.2	1348		6.762606	
9	1	11	74.6			7.838821	
10	3	8	90.9	1572	1358	8.039243	
11	2	6	52.7	1383		8.858931	
12	3	17	69.2	1429	1059	10.158218	
13	3	11	88.3	1136	1060	10.749719	
14	1	10	74.2			11.848535	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	54.8	1098	1985	0.050913	
1	1	17	66.1			2.021225	
2	2	6	66.4	1982		4.475072	
3	2	18	63.1	1682		5.144889	
4	3	16	71.4	1548	1044	7.480835	1
5	2	13	52.2	1679		8.120833	
6	3	15	64	1825	1686	10.291621	
7	2	19	80.8	1597		11.487562	

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	62.5	1790		0.14112	
1	3	11	65.9	1234	1040	1.087207	
2	3	18	95.5	1974	1099	1.295483	
3	1	20	81.6			2.129429	
4	2	15	89.5	1654		2.620928	
5	1	6	54.5			3.321565	
6	1	8	76.3			4.364963	
7	3	19	53.8	1794	1791	4.983781	
8	1	10	62.5			5.34656	
9	3	10	63.6	1953	1376	5.78049	1
10	2	15	71	1854		6.925	
11	3	14	61.3	1918	1995	7.262047	
12	2	18	84.8	1072		8.194164	
13	3	10	98.9	1647	1017	8.606647	
14	3	19	78.3	1067	1927	8.905888	
15	2	9	54	1403		10.006898	
16	1	18	87.2			10.718651	
17	1	11	68.9			11.248408	
18	2	17	94.8	1650		11.727718	

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	16	74.8	1771		0.144682	
1	3	15	98.9	1146	1809	1.139033	
2	2	8	88.4	1072		1.936948	
3	3	10	78.6	1686	1647	2.498508	
4	2	11	50.7	1588		3.237682	
5	1	8	90			4.032158	
6	2	14	68.1	1645		5.170727	
7	2	16	81.5	1624		5.848895	1
8	2	7	71.5	1154		6.765235	
9	2	12	73.2	1674		7.86923	
10	3	11	60.9	1229	1294	8.402038	
11	2	19	74	1808		9.359428	
12	3	11	96.1	1010	1636	10.198627	
13	2	6	69.5	1018		10.964481	
14	2	6	70.3	1104		11.38027	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	93.6	1723		0.484824	
1	2	7	96.3	1346		1.397818	
2	2	19	94.5	1440		2.569351	
3	2	19	85.1	1601		3.698362	
4	2	6	78.5	1589		4.251985	
5	3	18	94.2	1052	1151	5.214345	
6	3	10	62.4	1784	1049	6.447285	1
7	2	15	97	1596		7.742203	
8	1	6	93.1			8.03253	
9	3	8	84.4	1053	1462	9.134191	
10	1	19	56.2			10.923112	
11	2	11	54.9	1178		11.73422	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	79	1660	1897	0.228137	1
1	2	13	86	1392		2.307946	
2	3	8	74.9	1805	1720	3.312712	
3	3	19	88.5	1598	1384	5.492077	
4	3	15	88.1	1094	1361	7.281535	
5	2	18	81.9	1475		7.825054	
6	3	17	70	1188	1114	9.286314	
7	2	5	77.8	1558		10.721985	

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	78.8	1074		0.166264	1
1	2	15	55.5	1547		1.153998	
2	1	20	61.6			1.675973	
3	2	15	53.1	1557		2.591878	
4	2	9	81.6	1024		2.970764	
5	2	9	78.7	1433		4.101396	
6	2	12	67.5	1941		4.756846	
7	2	7	96.4	1381		5.166223	
8	2	6	57.4	1691		6.273581	
9	1	10	90.7			6.579686	
10	2	18	74.1	1045		7.270765	
11	1	11	78.5			8.144243	
12	2	17	74.7	1757		8.893454	
13	3	20	85.6	1715	1630	9.589475	
14	2	9	72.9	1314		9.915633	
15	2	20	97.7	1050		11.135343	
16	1	14	56.5			11.893938	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	60.7	1397	1823	1.094053	1
1	2	5	57.7	1297		1.261551	
2	1	7	67.8			3.225928	
3	2	11	73	1246		4.098796	
4	3	10	90.1	1084	1177	5.914102	
5	3	18	85.2	1031	1824	6.010936	
6	3	14	70.7	1750	1232	7.754713	
7	2	18	63.3	1846		8.6588	
8	2	12	64.6	1741		10.72148	
9	2	13	67.4	1480		10.838465	

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	5448.0, 5531.0, 5251.0, 5393.0, 5685.0, 5577.0, 5658.0, 5348.0, 5398.0, 5449.0, 5596.0, 5567.0, 5346.0, 5390.0, 5635.0, 5314.0, 5454.0, 5680.0, 5573.0, 5333.0, 5485.0, 5461.0, 5456.0, 5279.0, 5418.0, 5642.0, 5627.0, 5717.0, 5400.0, 5285.0, 5690.0, 5268.0, 5652.0, 5720.0, 5636.0, 5688.0, 5616.0, 5599.0, 5260.0, 5483.0, 5499.0, 5665.0, 5701.0, 5396.0, 5588.0, 5702.0, 5266.0, 5374.0, 5281.0, 5320.0, 5300.0, 5549.0, 5601.0, 5645.0, 5476.0, 5352.0, 5661.0, 5439.0, 5673.0, 5666.0, 5472.0, 5674.0, 5397.0, 5623.0, 5267.0, 5565.0, 5541.0, 5408.0, 5705.0, 5634.0, 5431.0, 5586.0, 5611.0, 5332.0, 5619.0, 5310.0, 5378.0, 5264.0, 5392.0, 5657.0, 5271.0, 5497.0, 5668.0, 5643.0, 5686.0, 5451.0, 5654.0, 5715.0, 5687.0, 5298.0, 5455.0, 5625.0, 5675.0, 5648.0, 5399.0, 5421.0, 5653.0, 5707.0, 5275.0, 5345.0 (number of hits: 5)
2	5530	9	1	333	1	5691.0, 5459.0, 5418.0, 5595.0, 5558.0, 5375.0, 5438.0, 5315.0, 5553.0, 5275.0, 5264.0, 5466.0, 5412.0, 5493.0, 5332.0, 5427.0, 5649.0, 5571.0, 5568.0, 5326.0, 5529.0, 5385.0, 5393.0, 5267.0, 5423.0, 5261.0, 5285.0, 5606.0, 5387.0, 5331.0, 5668.0, 5279.0, 5383.0, 5678.0, 5695.0, 5365.0, 5413.0, 5344.0, 5282.0, 5470.0, 5680.0, 5522.0, 5658.0, 5302.0, 5297.0, 5615.0, 5675.0, 5256.0, 5448.0, 5431.0, 5603.0, 5409.0, 5392.0, 5640.0, 5311.0, 5316.0, 5597.0, 5653.0, 5632.0, 5662.0, 5320.0, 5366.0, 5380.0, 5480.0, 5525.0, 5508.0, 5600.0, 5280.0, 5665.0, 5684.0, 5561.0, 5634.0, 5699.0, 5334.0, 5616.0, 5722.0, 5372.0, 5333.0, 5638.0, 5432.0, 5455.0, 5681.0, 5314.0, 5532.0, 5693.0, 5462.0, 5417.0, 5425.0, 5667.0, 5262.0, 5317.0, 5388.0, 5442.0, 5580.0, 5703.0, 5456.0, 5618.0, 5574.0, 5420.0, 5400.0 (number of hits: 5)
3	5530	9	1	333	1	5525.0, 5316.0, 5459.0, 5564.0, 5389.0, 5683.0, 5473.0, 5261.0, 5501.0, 5629.0, 5331.0, 5492.0, 5295.0, 5486.0, 5665.0, 5555.0, 5572.0, 5343.0, 5350.0, 5265.0, 5308.0, 5301.0, 5370.0, 5655.0, 5368.0, 5627.0, 5511.0, 5429.0, 5498.0, 5580.0, 5515.0, 5334.0, 5679.0, 5366.0, 5313.0, 5512.0, 5280.0, 5530.0, 5293.0, 5556.0, 5393.0, 5310.0, 5392.0, 5514.0, 5278.0, 5502.0, 5542.0, 5451.0, 5430.0, 5547.0, 5253.0, 5505.0, 5609.0, 5419.0, 5710.0, 5325.0, 5329.0, 5497.0, 5255.0, 5560.0,

						5381.0, 5658.0, 5681.0, 5704.0, 5702.0, 5466.0, 5425.0, 5355.0, 5605.0, 5475.0, 5371.0, 5568.0, 5678.0, 5327.0, 5534.0, 5646.0, 5286.0, 5406.0, 5270.0, 5360.0, 5326.0, 5287.0, 5487.0, 5573.0, 5590.0, 5411.0, 5516.0, 5391.0, 5395.0, 5645.0, 5537.0, 5641.0, 5662.0, 5553.0, 5420.0, 5621.0, 5256.0, 5321.0, 5444.0, 5644.0 (number of hits: 8)
4	5530	9	1	333	1	5359.0, 5519.0, 5293.0, 5651.0, 5443.0, 5430.0, 5464.0, 5679.0, 5573.0, 5628.0, 5497.0, 5481.0, 5594.0, 5462.0, 5354.0, 5529.0, 5648.0, 5718.0, 5565.0, 5711.0, 5665.0, 5683.0, 5582.0, 5667.0, 5592.0, 5549.0, 5294.0, 5453.0, 5275.0, 5322.0, 5269.0, 5501.0, 5303.0, 5459.0, 5585.0, 5520.0, 5632.0, 5372.0, 5458.0, 5352.0, 5403.0, 5607.0, 5384.0, 5455.0, 5273.0, 5586.0, 5532.0, 5674.0, 5553.0, 5498.0, 5391.0, 5694.0, 5640.0, 5435.0, 5548.0, 5345.0, 5472.0, 5601.0, 5581.0, 5588.0, 5433.0, 5415.0, 5291.0, 5709.0, 5680.0, 5545.0, 5334.0, 5697.0, 5302.0, 5524.0, 5450.0, 5253.0, 5423.0, 5707.0, 5427.0, 5661.0, 5722.0, 5456.0, 5380.0, 5717.0, 5376.0, 5616.0, 5491.0, 5556.0, 5353.0, 5503.0, 5344.0, 5626.0, 5647.0, 5476.0, 5550.0, 5705.0, 5432.0, 5591.0, 5577.0, 5659.0, 5538.0, 5612.0, 5593.0, 5599.0 (number of hits: 5)
5	5530	9	1	333	1	5407.0, 5285.0, 5339.0, 5616.0, 5436.0, 5348.0, 5576.0, 5701.0, 5697.0, 5315.0, 5404.0, 5533.0, 5654.0, 5462.0, 5496.0, 5477.0, 5714.0, 5438.0, 5482.0, 5547.0, 5640.0, 5464.0, 5382.0, 5589.0, 5519.0, 5349.0, 5609.0, 5550.0, 5558.0, 5504.0, 5452.0, 5569.0, 5269.0, 5679.0, 5495.0, 5594.0, 5302.0, 5666.0, 5321.0, 5564.0, 5678.0, 5328.0, 5422.0, 5612.0, 5500.0, 5331.0, 5412.0, 5286.0, 5347.0, 5677.0, 5370.0, 5512.0, 5355.0, 5583.0, 5474.0, 5516.0, 5606.0, 5265.0, 5431.0, 5629.0, 5546.0, 5645.0, 5298.0, 5468.0, 5260.0, 5447.0, 5562.0, 5336.0, 5457.0, 5549.0, 5360.0, 5574.0, 5289.0, 5294.0, 5423.0, 5660.0, 5268.0, 5387.0, 5637.0, 5700.0, 5535.0, 5683.0, 5401.0, 5710.0, 5253.0, 5273.0, 5258.0, 5720.0, 5610.0, 5548.0, 5325.0, 5659.0, 5393.0, 5513.0, 5358.0, 5684.0, 5591.0, 5446.0, 5276.0, 5685.0 (number of hits: 6)
6	5530	9	1	333	1	5711.0, 5372.0, 5436.0, 5487.0, 5563.0, 5636.0, 5423.0, 5650.0, 5616.0, 5627.0, 5696.0, 5623.0, 5685.0, 5576.0, 5382.0, 5502.0, 5551.0, 5539.0, 5594.0, 5530.0, 5334.0, 5586.0, 5532.0, 5651.0, 5422.0, 5694.0, 5346.0, 5374.0, 5598.0, 5575.0, 5509.0, 5250.0, 5499.0, 5345.0, 5648.0, 5452.0, 5479.0, 5570.0, 5621.0, 5548.0,

						5702.0, 5451.0, 5463.0, 5438.0, 5583.0, 5407.0, 5471.0, 5626.0, 5272.0, 5468.0, 5429.0, 5557.0, 5533.0, 5402.0, 5252.0, 5309.0, 5254.0, 5641.0, 5337.0, 5628.0, 5348.0, 5492.0, 5562.0, 5359.0, 5585.0, 5370.0, 5649.0, 5295.0, 5448.0, 5363.0, 5443.0, 5351.0, 5644.0, 5475.0, 5512.0, 5264.0, 5693.0, 5298.0, 5661.0, 5698.0, 5305.0, 5459.0, 5484.0, 5308.0, 5703.0, 5592.0, 5489.0, 5324.0, 5349.0, 5569.0, 5516.0, 5333.0, 5329.0, 5381.0, 5715.0, 5646.0, 5257.0, 5520.0, 5535.0, 5300.0 (number of hits: 6)
7	5530	9	1	333	1	5596.0, 5625.0, 5341.0, 5478.0, 5502.0, 5342.0, 5493.0, 5348.0, 5293.0, 5586.0, 5665.0, 5544.0, 5352.0, 5708.0, 5572.0, 5278.0, 5433.0, 5343.0, 5371.0, 5410.0, 5345.0, 5347.0, 5456.0, 5398.0, 5524.0, 5337.0, 5279.0, 5686.0, 5365.0, 5678.0, 5669.0, 5445.0, 5364.0, 5295.0, 5658.0, 5284.0, 5590.0, 5600.0, 5672.0, 5712.0, 5459.0, 5593.0, 5311.0, 5575.0, 5559.0, 5369.0, 5253.0, 5716.0, 5670.0, 5385.0, 5422.0, 5332.0, 5679.0, 5707.0, 5487.0, 5346.0, 5325.0, 5718.0, 5635.0, 5618.0, 5723.0, 5601.0, 5396.0, 5378.0, 5693.0, 5565.0, 5643.0, 5488.0, 5498.0, 5539.0, 5547.0, 5614.0, 5660.0, 5701.0, 5258.0, 5616.0, 5355.0, 5402.0, 5379.0, 5585.0, 5450.0, 5497.0, 5441.0, 5505.0, 5291.0, 5334.0, 5282.0, 5628.0, 5714.0, 5504.0, 5467.0, 5602.0, 5542.0, 5517.0, 5477.0, 5359.0, 5395.0, 5675.0, 5319.0, 5349.0 (number of hits: 4)
8	5530	9	1	333	1	5578.0, 5328.0, 5610.0, 5719.0, 5416.0, 5438.0, 5640.0, 5723.0, 5393.0, 5339.0, 5351.0, 5685.0, 5556.0, 5367.0, 5410.0, 5636.0, 5513.0, 5309.0, 5604.0, 5531.0, 5630.0, 5650.0, 5552.0, 5284.0, 5267.0, 5631.0, 5435.0, 5269.0, 5579.0, 5422.0, 5532.0, 5392.0, 5526.0, 5461.0, 5666.0, 5436.0, 5709.0, 5430.0, 5585.0, 5293.0, 5616.0, 5601.0, 5642.0, 5447.0, 5527.0, 5696.0, 5487.0, 5550.0, 5279.0, 5483.0, 5457.0, 5482.0, 5700.0, 5611.0, 5542.0, 5632.0, 5549.0, 5477.0, 5386.0, 5287.0, 5266.0, 5595.0, 5597.0, 5544.0, 5454.0, 5280.0, 5374.0, 5303.0, 5485.0, 5390.0, 5546.0, 5663.0, 5676.0, 5625.0, 5591.0, 5677.0, 5270.0, 5633.0, 5686.0, 5437.0, 5389.0, 5353.0, 5695.0, 5715.0, 5708.0, 5523.0, 5711.0, 5606.0, 5619.0, 5268.0, 5668.0, 5693.0, 5404.0, 5469.0, 5674.0, 5627.0, 5417.0, 5273.0, 5662.0, 5285.0 (number of hits: 5)
9	5530	9	1	333	1	5261.0, 5552.0, 5344.0, 5648.0, 5500.0, 5488.0, 5654.0, 5556.0, 5507.0, 5440.0, 5290.0, 5336.0, 5270.0, 5527.0, 5446.0, 5665.0, 5698.0, 5697.0, 5642.0, 5582.0,

						5653.0, 5324.0, 5520.0, 5508.0, 5362.0, 5511.0, 5467.0, 5638.0, 5401.0, 5663.0, 5305.0, 5275.0, 5451.0, 5623.0, 5307.0, 5606.0, 5469.0, 5345.0, 5350.0, 5272.0, 5619.0, 5303.0, 5262.0, 5464.0, 5565.0, 5482.0, 5636.0, 5503.0, 5268.0, 5537.0, 5544.0, 5693.0, 5551.0, 5436.0, 5380.0, 5545.0, 5635.0, 5589.0, 5611.0, 5419.0, 5372.0, 5251.0, 5368.0, 5577.0, 5538.0, 5705.0, 5553.0, 5557.0, 5431.0, 5437.0, 5316.0, 5573.0, 5327.0, 5616.0, 5296.0, 5555.0, 5629.0, 5294.0, 5514.0, 5394.0, 5323.0, 5363.0, 5684.0, 5273.0, 5687.0, 5672.0, 5643.0, 5259.0, 5534.0, 5353.0, 5450.0, 5378.0, 5281.0, 5699.0, 5418.0, 5260.0, 5340.0, 5254.0, 5325.0, 5366.0 (number of hits: 6)
10	5530	9	1	333	1	5368.0, 5435.0, 5639.0, 5451.0, 5439.0, 5493.0, 5442.0, 5464.0, 5654.0, 5398.0, 5599.0, 5547.0, 5584.0, 5275.0, 5391.0, 5509.0, 5699.0, 5308.0, 5337.0, 5379.0, 5575.0, 5298.0, 5264.0, 5690.0, 5544.0, 5644.0, 5627.0, 5570.0, 5333.0, 5569.0, 5395.0, 5315.0, 5648.0, 5408.0, 5296.0, 5325.0, 5542.0, 5251.0, 5430.0, 5579.0, 5341.0, 5304.0, 5587.0, 5405.0, 5362.0, 5718.0, 5610.0, 5440.0, 5563.0, 5402.0, 5367.0, 5697.0, 5363.0, 5586.0, 5638.0, 5449.0, 5458.0, 5572.0, 5688.0, 5531.0, 5353.0, 5549.0, 5664.0, 5687.0, 5433.0, 5250.0, 5528.0, 5453.0, 5323.0, 5497.0, 5519.0, 5416.0, 5366.0, 5344.0, 5499.0, 5324.0, 5384.0, 5496.0, 5399.0, 5512.0, 5711.0, 5254.0, 5322.0, 5475.0, 5503.0, 5331.0, 5390.0, 5348.0, 5516.0, 5557.0, 5345.0, 5513.0, 5617.0, 5712.0, 5299.0, 5457.0, 5555.0, 5258.0, 5375.0, 5444.0 (number of hits: 5)
11	5530	9	1	333	1	5269.0, 5466.0, 5393.0, 5634.0, 5284.0, 5480.0, 5370.0, 5424.0, 5664.0, 5646.0, 5531.0, 5388.0, 5572.0, 5351.0, 5439.0, 5706.0, 5263.0, 5702.0, 5445.0, 5402.0, 5384.0, 5279.0, 5549.0, 5457.0, 5300.0, 5709.0, 5592.0, 5320.0, 5409.0, 5680.0, 5668.0, 5420.0, 5310.0, 5389.0, 5521.0, 5277.0, 5503.0, 5292.0, 5346.0, 5276.0, 5367.0, 5537.0, 5613.0, 5337.0, 5575.0, 5306.0, 5341.0, 5260.0, 5714.0, 5469.0, 5334.0, 5542.0, 5317.0, 5565.0, 5673.0, 5324.0, 5363.0, 5425.0, 5596.0, 5434.0, 5610.0, 5495.0, 5605.0, 5288.0, 5456.0, 5681.0, 5399.0, 5282.0, 5707.0, 5621.0, 5640.0, 5261.0, 5612.0, 5677.0, 5623.0, 5649.0, 5719.0, 5547.0, 5578.0, 5626.0, 5481.0, 5345.0, 5603.0, 5496.0, 5315.0, 5568.0, 5523.0, 5606.0, 5353.0, 5422.0, 5504.0, 5467.0, 5387.0, 5656.0, 5694.0, 5498.0, 5430.0, 5287.0, 5516.0, 5450.0 (number of hits: 6)

12	5530	9	1	333	1	5712.0, 5274.0, 5543.0, 5575.0, 5655.0, 5577.0, 5614.0, 5278.0, 5426.0, 5323.0, 5304.0, 5722.0, 5448.0, 5689.0, 5652.0, 5435.0, 5717.0, 5645.0, 5723.0, 5432.0, 5477.0, 5505.0, 5288.0, 5556.0, 5446.0, 5475.0, 5567.0, 5703.0, 5669.0, 5372.0, 5682.0, 5609.0, 5421.0, 5499.0, 5377.0, 5656.0, 5314.0, 5250.0, 5295.0, 5440.0, 5535.0, 5558.0, 5686.0, 5569.0, 5620.0, 5268.0, 5564.0, 5375.0, 5306.0, 5497.0, 5376.0, 5612.0, 5257.0, 5632.0, 5413.0, 5439.0, 5514.0, 5702.0, 5479.0, 5568.0, 5561.0, 5275.0, 5654.0, 5300.0, 5693.0, 5457.0, 5534.0, 5269.0, 5487.0, 5688.0, 5523.0, 5378.0, 5496.0, 5590.0, 5601.0, 5373.0, 5681.0, 5366.0, 5576.0, 5606.0, 5486.0, 5332.0, 5589.0, 5538.0, 5462.0, 5276.0, 5615.0, 5355.0, 5532.0, 5671.0, 5417.0, 5367.0, 5573.0, 5481.0, 5407.0, 5525.0, 5647.0, 5396.0, 5489.0, 5333.0 (number of hits: 6)
13	5530	9	1	333	1	5629.0, 5428.0, 5456.0, 5426.0, 5678.0, 5263.0, 5264.0, 5468.0, 5471.0, 5273.0, 5359.0, 5438.0, 5673.0, 5391.0, 5588.0, 5699.0, 5459.0, 5328.0, 5525.0, 5520.0, 5587.0, 5410.0, 5401.0, 5572.0, 5561.0, 5711.0, 5714.0, 5514.0, 5348.0, 5503.0, 5624.0, 5311.0, 5535.0, 5266.0, 5442.0, 5376.0, 5642.0, 5251.0, 5384.0, 5308.0, 5626.0, 5648.0, 5566.0, 5606.0, 5433.0, 5656.0, 5294.0, 5545.0, 5458.0, 5332.0, 5614.0, 5300.0, 5620.0, 5432.0, 5423.0, 5397.0, 5427.0, 5374.0, 5253.0, 5615.0, 5687.0, 5679.0, 5261.0, 5646.0, 5569.0, 5649.0, 5354.0, 5722.0, 5619.0, 5653.0, 5516.0, 5403.0, 5488.0, 5670.0, 5596.0, 5381.0, 5601.0, 5640.0, 5686.0, 5383.0, 5585.0, 5630.0, 5595.0, 5301.0, 5632.0, 5635.0, 5605.0, 5361.0, 5579.0, 5368.0, 5475.0, 5655.0, 5269.0, 5281.0, 5676.0, 5481.0, 5443.0, 5571.0, 5519.0, 5622.0 (number of hits: 5)
14	5530	9	1	333	1	5558.0, 5354.0, 5661.0, 5411.0, 5430.0, 5455.0, 5671.0, 5318.0, 5680.0, 5632.0, 5713.0, 5458.0, 5382.0, 5286.0, 5581.0, 5326.0, 5591.0, 5703.0, 5712.0, 5282.0, 5340.0, 5544.0, 5552.0, 5701.0, 5356.0, 5644.0, 5368.0, 5401.0, 5659.0, 5454.0, 5492.0, 5450.0, 5442.0, 5507.0, 5267.0, 5513.0, 5460.0, 5357.0, 5263.0, 5572.0, 5699.0, 5708.0, 5652.0, 5664.0, 5268.0, 5331.0, 5434.0, 5505.0, 5294.0, 5653.0, 5257.0, 5362.0, 5538.0, 5299.0, 5439.0, 5641.0, 5688.0, 5542.0, 5484.0, 5274.0, 5497.0, 5269.0, 5590.0, 5316.0, 5327.0, 5367.0, 5502.0, 5609.0, 5570.0, 5635.0, 5474.0, 5494.0, 5694.0, 5706.0, 5381.0, 5503.0, 5612.0, 5283.0, 5426.0, 5514.0, 5413.0, 5539.0, 5379.0, 5628.0, 5536.0,

						5677.0, 5402.0, 5422.0, 5371.0, 5270.0, 5547.0, 5569.0, 5308.0, 5705.0, 5622.0, 5687.0, 5526.0, 5684.0, 5465.0, 5672.0 (number of hits: 4)
15	5530	9	1	333	1	5329.0, 5674.0, 5376.0, 5556.0, 5307.0, 5308.0, 5530.0, 5686.0, 5409.0, 5699.0, 5622.0, 5658.0, 5486.0, 5585.0, 5541.0, 5696.0, 5690.0, 5449.0, 5259.0, 5507.0, 5280.0, 5399.0, 5336.0, 5586.0, 5526.0, 5457.0, 5331.0, 5514.0, 5636.0, 5672.0, 5580.0, 5476.0, 5509.0, 5588.0, 5431.0, 5270.0, 5682.0, 5720.0, 5499.0, 5614.0, 5391.0, 5317.0, 5361.0, 5421.0, 5441.0, 5640.0, 5528.0, 5340.0, 5712.0, 5610.0, 5666.0, 5704.0, 5612.0, 5338.0, 5319.0, 5305.0, 5292.0, 5406.0, 5582.0, 5291.0, 5368.0, 5550.0, 5487.0, 5267.0, 5353.0, 5552.0, 5628.0, 5563.0, 5420.0, 5495.0, 5445.0, 5379.0, 5611.0, 5490.0, 5467.0, 5312.0, 5330.0, 5381.0, 5532.0, 5548.0, 5474.0, 5565.0, 5538.0, 5360.0, 5412.0, 5688.0, 5364.0, 5657.0, 5546.0, 5700.0, 5523.0, 5544.0, 5633.0, 5442.0, 5418.0, 5722.0, 5263.0, 5493.0, 5320.0, 5709.0 (number of hits: 6)
16	5530	9	1	333	1	5351.0, 5326.0, 5502.0, 5252.0, 5422.0, 5298.0, 5355.0, 5323.0, 5672.0, 5390.0, 5352.0, 5448.0, 5679.0, 5652.0, 5273.0, 5332.0, 5471.0, 5518.0, 5521.0, 5640.0, 5470.0, 5267.0, 5573.0, 5720.0, 5702.0, 5426.0, 5708.0, 5437.0, 5529.0, 5658.0, 5576.0, 5321.0, 5458.0, 5365.0, 5328.0, 5596.0, 5259.0, 5542.0, 5325.0, 5563.0, 5441.0, 5701.0, 5485.0, 5713.0, 5705.0, 5555.0, 5369.0, 5607.0, 5373.0, 5344.0, 5314.0, 5512.0, 5372.0, 5654.0, 5433.0, 5483.0, 5572.0, 5719.0, 5651.0, 5587.0, 5621.0, 5415.0, 5285.0, 5472.0, 5294.0, 5582.0, 5400.0, 5339.0, 5559.0, 5509.0, 5378.0, 5272.0, 5583.0, 5473.0, 5284.0, 5408.0, 5682.0, 5487.0, 5282.0, 5394.0, 5692.0, 5516.0, 5392.0, 5633.0, 5315.0, 5391.0, 5508.0, 5452.0, 5552.0, 5406.0, 5469.0, 5382.0, 5674.0, 5681.0, 5707.0, 5567.0, 5357.0, 5439.0, 5665.0, 5541.0 (number of hits: 4)
17	5530	9	1	333	1	5708.0, 5522.0, 5605.0, 5681.0, 5383.0, 5543.0, 5426.0, 5620.0, 5596.0, 5622.0, 5600.0, 5608.0, 5500.0, 5553.0, 5428.0, 5398.0, 5650.0, 5331.0, 5589.0, 5569.0, 5384.0, 5645.0, 5468.0, 5688.0, 5303.0, 5389.0, 5675.0, 5544.0, 5518.0, 5344.0, 5660.0, 5251.0, 5439.0, 5457.0, 5529.0, 5554.0, 5719.0, 5429.0, 5339.0, 5349.0, 5411.0, 5257.0, 5407.0, 5279.0, 5412.0, 5614.0, 5351.0, 5603.0, 5511.0, 5254.0, 5477.0, 5654.0, 5365.0, 5625.0, 5577.0, 5538.0, 5505.0, 5480.0, 5323.0, 5624.0, 5691.0, 5353.0, 5578.0, 5452.0, 5435.0,

						5487.0, 5694.0, 5319.0, 5634.0, 5557.0, 5255.0, 5378.0, 5484.0, 5661.0, 5713.0, 5324.0, 5593.0, 5612.0, 5462.0, 5515.0, 5431.0, 5320.0, 5427.0, 5350.0, 5402.0, 5655.0, 5549.0, 5636.0, 5641.0, 5637.0, 5445.0, 5693.0, 5302.0, 5458.0, 5568.0, 5555.0, 5459.0, 5310.0, 5470.0, 5701.0 (number of hits: 3)
18	5530	9	1	333	1	5638.0, 5546.0, 5507.0, 5490.0, 5423.0, 5636.0, 5685.0, 5466.0, 5430.0, 5599.0, 5625.0, 5523.0, 5374.0, 5690.0, 5565.0, 5634.0, 5429.0, 5445.0, 5649.0, 5604.0, 5480.0, 5411.0, 5528.0, 5702.0, 5459.0, 5298.0, 5494.0, 5410.0, 5296.0, 5595.0, 5284.0, 5646.0, 5336.0, 5476.0, 5375.0, 5619.0, 5687.0, 5400.0, 5647.0, 5710.0, 5442.0, 5340.0, 5542.0, 5327.0, 5697.0, 5331.0, 5311.0, 5659.0, 5271.0, 5250.0, 5489.0, 5582.0, 5711.0, 5452.0, 5387.0, 5291.0, 5591.0, 5385.0, 5346.0, 5628.0, 5665.0, 5434.0, 5700.0, 5344.0, 5335.0, 5319.0, 5524.0, 5497.0, 5302.0, 5485.0, 5288.0, 5424.0, 5676.0, 5337.0, 5396.0, 5723.0, 5683.0, 5597.0, 5556.0, 5471.0, 5703.0, 5538.0, 5437.0, 5467.0, 5295.0, 5478.0, 5630.0, 5262.0, 5552.0, 5403.0, 5562.0, 5415.0, 5719.0, 5496.0, 5577.0, 5460.0, 5275.0, 5571.0, 5280.0, 5506.0 (number of hits: 7)
19	5530	9	1	333	1	5511.0, 5703.0, 5397.0, 5679.0, 5583.0, 5610.0, 5627.0, 5622.0, 5353.0, 5492.0, 5642.0, 5410.0, 5432.0, 5563.0, 5635.0, 5665.0, 5289.0, 5413.0, 5611.0, 5570.0, 5387.0, 5348.0, 5332.0, 5317.0, 5555.0, 5261.0, 5539.0, 5264.0, 5430.0, 5373.0, 5647.0, 5581.0, 5644.0, 5470.0, 5620.0, 5459.0, 5661.0, 5312.0, 5524.0, 5309.0, 5285.0, 5716.0, 5513.0, 5369.0, 5532.0, 5681.0, 5304.0, 5637.0, 5613.0, 5425.0, 5402.0, 5568.0, 5713.0, 5455.0, 5263.0, 5552.0, 5253.0, 5496.0, 5519.0, 5590.0, 5381.0, 5293.0, 5435.0, 5427.0, 5322.0, 5573.0, 5721.0, 5439.0, 5386.0, 5670.0, 5650.0, 5370.0, 5504.0, 5385.0, 5281.0, 5445.0, 5468.0, 5482.0, 5699.0, 5724.0, 5277.0, 5421.0, 5688.0, 5389.0, 5720.0, 5265.0, 5259.0, 5330.0, 5422.0, 5475.0, 5301.0, 5379.0, 5618.0, 5494.0, 5390.0, 5399.0, 5257.0, 5327.0, 5501.0, 5367.0 (number of hits: 7)
20	5530	9	1	333	1	5366.0, 5349.0, 5703.0, 5641.0, 5299.0, 5531.0, 5602.0, 5529.0, 5569.0, 5325.0, 5546.0, 5697.0, 5437.0, 5311.0, 5681.0, 5537.0, 5286.0, 5485.0, 5673.0, 5395.0, 5289.0, 5563.0, 5499.0, 5319.0, 5432.0, 5592.0, 5479.0, 5684.0, 5512.0, 5701.0, 5369.0, 5487.0, 5455.0, 5553.0, 5654.0, 5534.0, 5640.0, 5310.0, 5708.0, 5448.0, 5296.0, 5620.0, 5278.0, 5591.0, 5642.0,

						5273.0, 5587.0, 5542.0, 5495.0, 5330.0, 5470.0, 5373.0, 5689.0, 5686.0, 5431.0, 5318.0, 5387.0, 5500.0, 5605.0, 5651.0, 5515.0, 5538.0, 5484.0, 5365.0, 5612.0, 5386.0, 5705.0, 5549.0, 5715.0, 5316.0, 5457.0, 5494.0, 5417.0, 5340.0, 5545.0, 5604.0, 5382.0, 5699.0, 5516.0, 5337.0, 5581.0, 5619.0, 5672.0, 5565.0, 5454.0, 5685.0, 5308.0, 5547.0, 5562.0, 5288.0, 5302.0, 5509.0, 5506.0, 5560.0, 5389.0, 5698.0, 5721.0, 5561.0, 5348.0, 5328.0 (number of hits: 9)
21	5530	9	1	333	1	5686.0, 5401.0, 5699.0, 5296.0, 5386.0, 5575.0, 5705.0, 5305.0, 5458.0, 5297.0, 5573.0, 5449.0, 5568.0, 5327.0, 5256.0, 5514.0, 5342.0, 5332.0, 5470.0, 5681.0, 5532.0, 5495.0, 5610.0, 5309.0, 5258.0, 5703.0, 5625.0, 5537.0, 5668.0, 5443.0, 5382.0, 5722.0, 5518.0, 5430.0, 5497.0, 5717.0, 5476.0, 5291.0, 5643.0, 5277.0, 5488.0, 5419.0, 5483.0, 5721.0, 5338.0, 5698.0, 5596.0, 5570.0, 5468.0, 5406.0, 5261.0, 5527.0, 5471.0, 5398.0, 5611.0, 5517.0, 5285.0, 5255.0, 5655.0, 5678.0, 5701.0, 5674.0, 5320.0, 5252.0, 5613.0, 5352.0, 5455.0, 5496.0, 5581.0, 5374.0, 5259.0, 5491.0, 5710.0, 5472.0, 5475.0, 5300.0, 5307.0, 5312.0, 5545.0, 5459.0, 5494.0, 5314.0, 5687.0, 5466.0, 5329.0, 5650.0, 5385.0, 5547.0, 5469.0, 5682.0, 5586.0, 5541.0, 5719.0, 5646.0, 5672.0, 5571.0, 5281.0, 5323.0, 5394.0, 5409.0 (number of hits: 10)
22	5530	9	1	333	1	5593.0, 5399.0, 5594.0, 5291.0, 5684.0, 5705.0, 5685.0, 5524.0, 5671.0, 5446.0, 5616.0, 5437.0, 5462.0, 5689.0, 5465.0, 5339.0, 5712.0, 5699.0, 5319.0, 5693.0, 5463.0, 5274.0, 5458.0, 5661.0, 5286.0, 5368.0, 5639.0, 5688.0, 5324.0, 5571.0, 5503.0, 5261.0, 5642.0, 5327.0, 5657.0, 5255.0, 5526.0, 5342.0, 5370.0, 5656.0, 5691.0, 5486.0, 5710.0, 5328.0, 5680.0, 5455.0, 5470.0, 5515.0, 5422.0, 5427.0, 5386.0, 5478.0, 5288.0, 5406.0, 5349.0, 5711.0, 5556.0, 5435.0, 5643.0, 5335.0, 5394.0, 5722.0, 5634.0, 5473.0, 5605.0, 5631.0, 5424.0, 5611.0, 5608.0, 5269.0, 5591.0, 5417.0, 5551.0, 5574.0, 5297.0, 5265.0, 5402.0, 5431.0, 5615.0, 5651.0, 5652.0, 5461.0, 5409.0, 5333.0, 5296.0, 5352.0, 5362.0, 5531.0, 5702.0, 5579.0, 5377.0, 5581.0, 5273.0, 5412.0, 5281.0, 5445.0, 5414.0, 5418.0, 5629.0, 5701.0 (number of hits: 5)
23	5530	9	1	333	1	5623.0, 5279.0, 5371.0, 5267.0, 5393.0, 5459.0, 5255.0, 5721.0, 5583.0, 5320.0, 5663.0, 5582.0, 5648.0, 5567.0, 5318.0, 5461.0, 5422.0, 5295.0, 5359.0, 5599.0, 5457.0, 5637.0, 5356.0, 5592.0, 5672.0,

						5347.0, 5545.0, 5681.0, 5515.0, 5404.0, 5396.0, 5495.0, 5319.0, 5625.0, 5398.0, 5714.0, 5263.0, 5261.0, 5699.0, 5317.0, 5647.0, 5266.0, 5645.0, 5490.0, 5405.0, 5308.0, 5367.0, 5348.0, 5530.0, 5270.0, 5716.0, 5384.0, 5668.0, 5691.0, 5296.0, 5315.0, 5402.0, 5483.0, 5539.0, 5389.0, 5454.0, 5692.0, 5311.0, 5466.0, 5708.0, 5269.0, 5300.0, 5531.0, 5652.0, 5676.0, 5321.0, 5285.0, 5553.0, 5492.0, 5554.0, 5502.0, 5594.0, 5331.0, 5474.0, 5512.0, 5611.0, 5302.0, 5522.0, 5479.0, 5666.0, 5516.0, 5653.0, 5513.0, 5403.0, 5410.0, 5306.0, 5312.0, 5609.0, 5537.0, 5646.0, 5523.0, 5493.0, 5644.0, 5604.0, 5361.0 (number of hits: 9)
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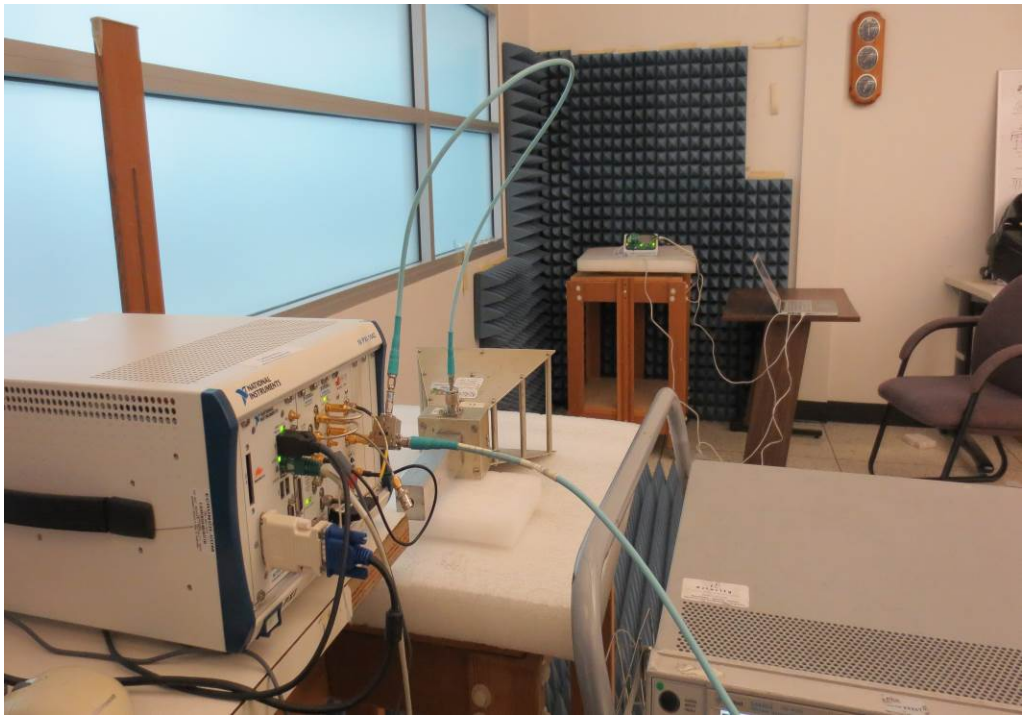
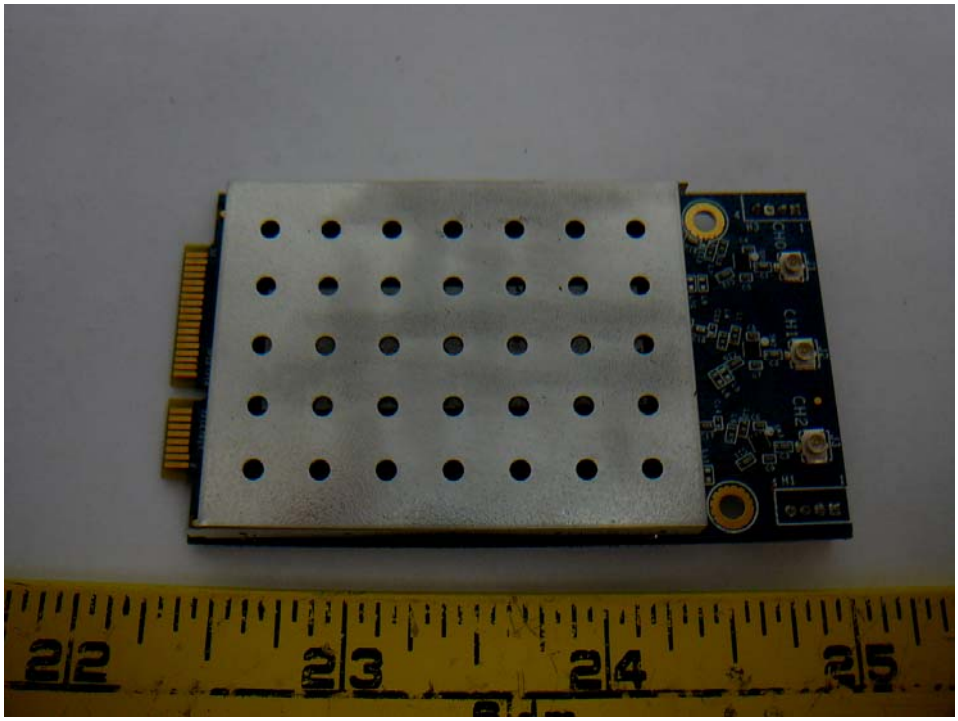
10 Appendix A – Test Setup Photographs

10.1 DFS Test Setup View

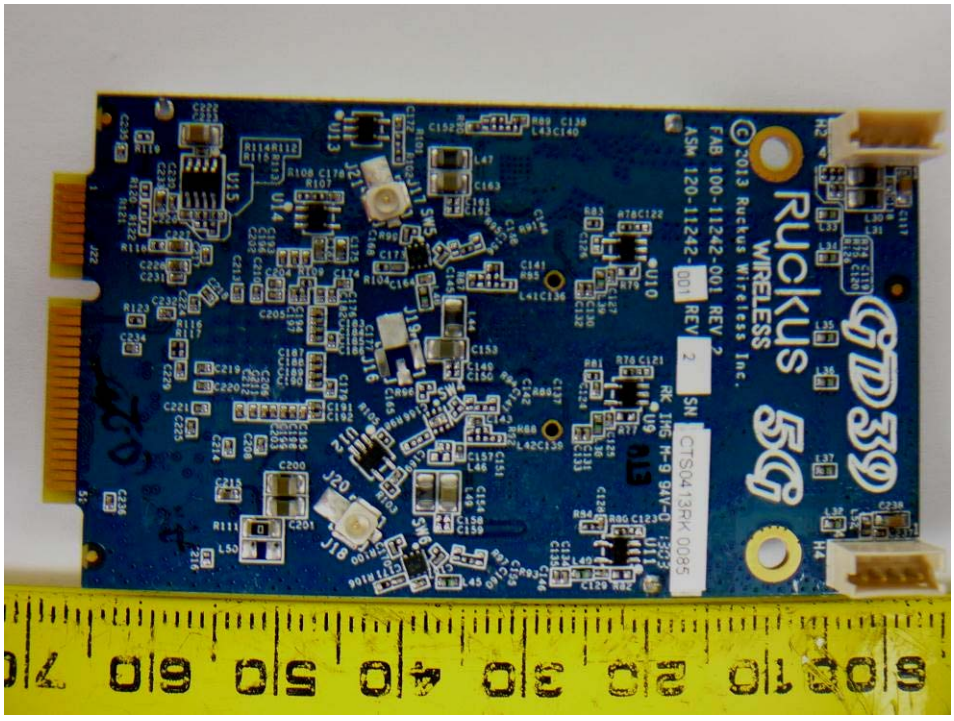


11 Exhibit C – EUT Photographs

11.1 EUT – Top View



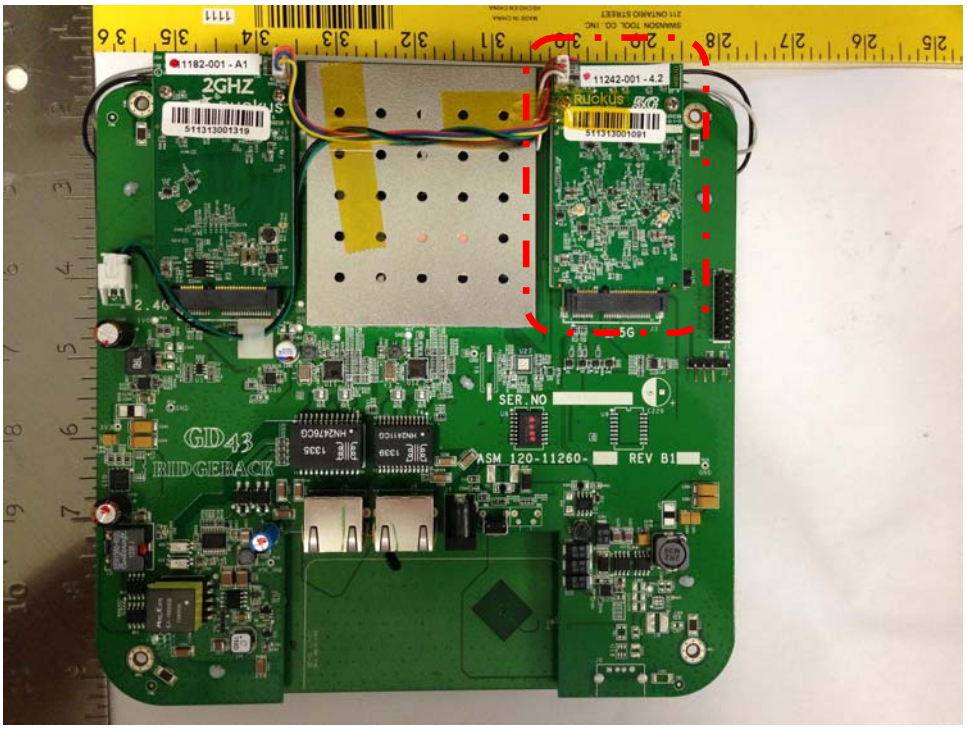
11.2 EUT – Bottom View



11.3 Host Unit (R700) Top View

11.4 Host Unit (R700) Bottom View

11.5 EUT Built into the host Unit (R700) View



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