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

For

Fortinet, Inc.

899 Kifer Road

Sunnyvale, CA 94086, USA

FCC ID: TVE-140701
IC: 7280B-140701

Report Type:	**Product Type:**
Original Report	Access Point

Prepared By:	Vincent Licata Test Engineer
Report Number:	R1709085-DFS
Report Date:	2017-11-14
Reviewed By:	Xiao Lin RF Engineer

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1709085-DFS	Original Report	-
1	R1709085-DFS Final Rev. A	Report Revision	2017-11-14

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of the *Fortinet, Inc.* and their product models *FAP-221E, FAP-223E. Fortinet, Inc* has declared that the 2 products are electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics except *FAP-221E* has Internal Antenna, *FAP-223E* has External Antenna. In this report, only *FAP-223E* was tested to cover the other corresponding model. Model *FAP-223E*, FCC ID: TVE-140701, IC: 7280B-140701, henceforth is referred to as the EUT. The EUT is an access point.

1.2 Mechanical Description of EUT

The EUT measures approximately 150 mm (L) x 150 mm (W) and weighs approximately 1.4 kg.

The data gathered are from production sample provided by the manufacturer, serial number: R1709085-01 assigned by BACL.

1.3 Objective

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

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

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

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

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

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

1.6 Test Facility Registrations

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

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

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

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

1.7 Test Facility Accreditations

Bay Area Compliance Laboratories Corp. (BACL) is:

A- ***An independent, 3rd-Party, Commercial Test Laboratory accredited to ISO/IEC 17025:2005 by A2LA (Test Laboratory Accreditation Certificate Number 3297.02),*** in the fields of: Electromagnetic Compatibility and Telecommunications. Unless noted by an Asterisk (*) in the Compliance Matrix (See Section 3 of this Test Report), BACL's ISO/IEC 17025:2005 Scope of Accreditation includes all of the Test Method Standards and/or the Product Family Standards detailed in this Test Report..

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

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

- For the USA (Federal Communications Commission):
    1- All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
    2- All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
    3- All Telephone Terminal Equipment within FCC Scope C.
- For the Canada (Industry Canada):
    1 All Scope 1-Licence-Exempt Radio Frequency Devices;
    2 All Scope 2-Licensed Personal Mobile Radio Services;
    3 All Scope 3-Licensed General Mobile & Fixed Radio Services;
    4 All Scope 4-Licensed Maritime & Aviation Radio Services;
    5 All Scope 5-Licensed Fixed Microwave Radio Services
    6 All Broadcasting Technical Standards (BETS) in the Category I Equipment Standards List.
- For Singapore (Info-Communications Development Authority (IDA)):
    1 All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2
    2. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2
- For the Hong Kong Special Administrative Region:
    1 All Radio Equipment, per KHCA 10XX-series Specifications;
    2 All GMDSS Marine Radio Equipment, per HKCA 12XX-series Specifications;
    3 All Fixed Network Equipment, per HKCA 20XX-series Specifications.
- For Japan:
    1 MIC Telecommunication Business Law (Terminal Equipment):
        - All Scope A1 - Terminal Equipment for the Purpose of Calls;
        - All Scope A2 - Other Terminal Equipment
    2 Radio Law (Radio Equipment):
        - All Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
        - All Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
        - All Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

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

1 Electronics and Office Equipment:
- for Telephony (ver. 3.0)
- for Audio/Video (ver. 3.0)
- for Battery Charging Systems (ver. 1.1)
- for Set-top Boxes & Cable Boxes (ver. 4.1)
- for Televisions (ver. 6.1)
- for Computers (ver. 6.0)
- for Displays (ver. 6.0)
- for Imaging Equipment (ver. 2.0)
- for Computer Servers (ver. 2.0)

2 Commercial Food Service Equipment
- for Commercial Dishwashers (ver. 2.0)
- for Commercial Ice Machines (ver. 2.0)
- for Commercial Ovens (ver. 2.1)
- for Commercial Refrigerators and Freezers

3 Lighting Products
- For Decorative Light Strings (ver. 1.5)
- For Luminaires (including sub-components) and Lamps (ver. 1.2)
- For Compact Fluorescent Lamps (CFLs) (ver. 4.3)
- For Integral LED Lamps (ver. 1.4)

4 Heating, Ventilation, and AC Products
- for Residential Ceiling Fans (ver. 3.0)
- for Residential Ventilating Fans (ver. 3.2)

5 Other
- For Water Coolers (ver. 3.0)

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

- Australia: ACMA (Australian Communication and Media Authority) – APEC Tel MRA -Phase I;
- Canada: (Industry Canada - IC) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
  - BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;
  - NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
  - EMC Directive 2014/30/EC US-EU EMC & Telecom MRA CAB
  - Radio & Teleterminal Equipment (R&TTE) Directive 1995/5/EC US -EU EMC & Telecom MRA CAB

  Hong Kong Special Administrative Region: (Office of the Telecommunications Authority – OFTA) APEC Tel MRA -Phase I & Phase II
- Israel – US-Israel MRA Phase I
- Republic of Korea (Ministry of Communications - Radio Research Laboratory) APEC Tel MRA -Phase I
- Singapore: (Infocomm Development Authority - IDA) APEC Tel MRA -Phase I & Phase II;
- Japan: VCCI - Voluntary Control Council for Interference US-Japan Telecom Treaty VCCI Side Letter-
- USA:
  - ENERGY STAR Recognized Test Laboratory – US EPA
  - Telecommunications Certification Body (TCB) – US FCC;

Vietnam: APEC Tel MRA -Phase I;

2 EUT Test Configuration

2.1 Justification

The EUT was configured for testing according to FCC CFR47 §15.407 (h), RSS-247 Issue 2 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

2.2 EUT Exercise Software

The test utility used was Putty.exe

2.3 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell Inc.	Laptop	E6410	N/A
Fortinet	Controller	FortiWiFi 60D	FWF60D4Q16023633

2.4 Interface Ports and Cabling

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

2.5 Power Supply and Line Filters

Manufacturer	Description	Model	Part Number
Microsemi	POE injector	9001GR	C15166582000009569

3 Summary of Test Results

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

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

4 Applicable Standards

4.1 DFS Requirement

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

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

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

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

Table 4: DFS Response Requirement Values

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

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

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

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

Table 5: Short Pulse Radar Test Waveforms

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

Table 6: Long Pulse Radar Test Signal

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

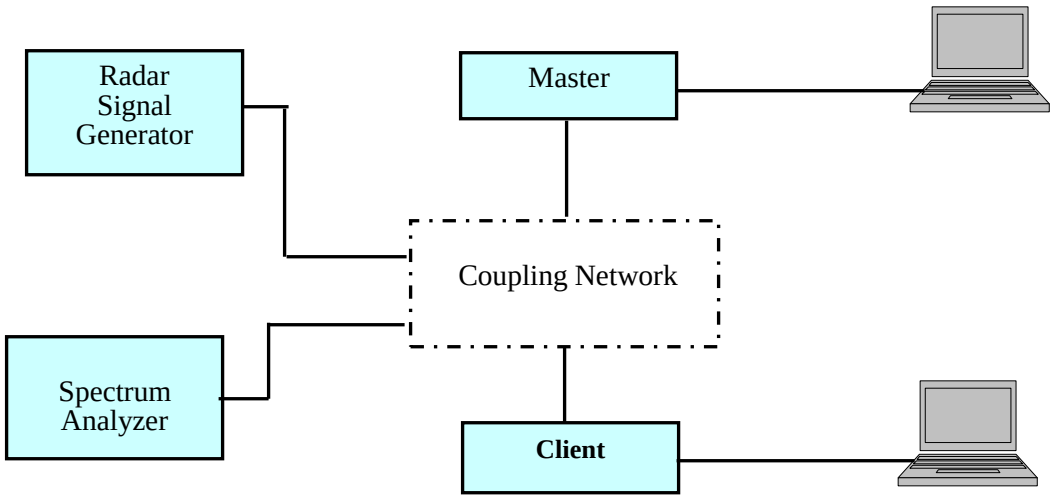
Table 7: Frequency Hopping Radar Test Signal

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

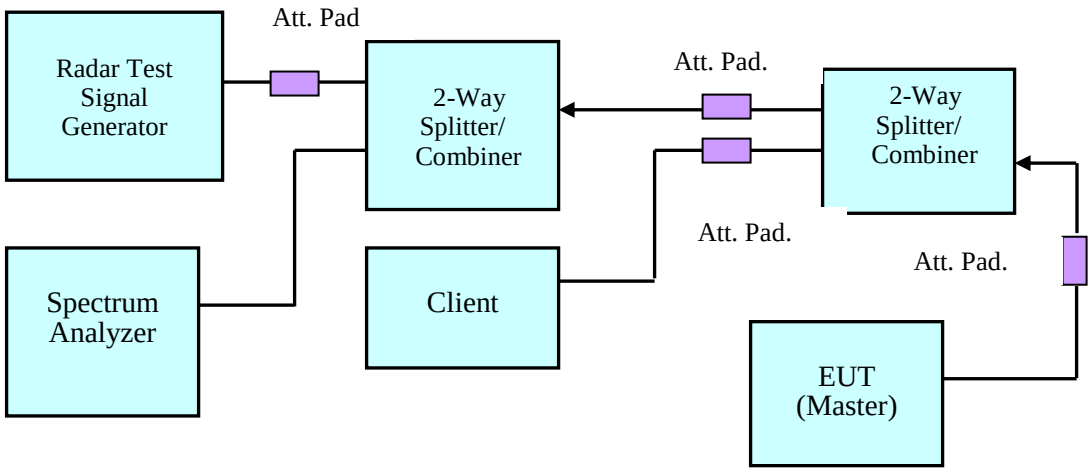
4.2 DFS Measurement System

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

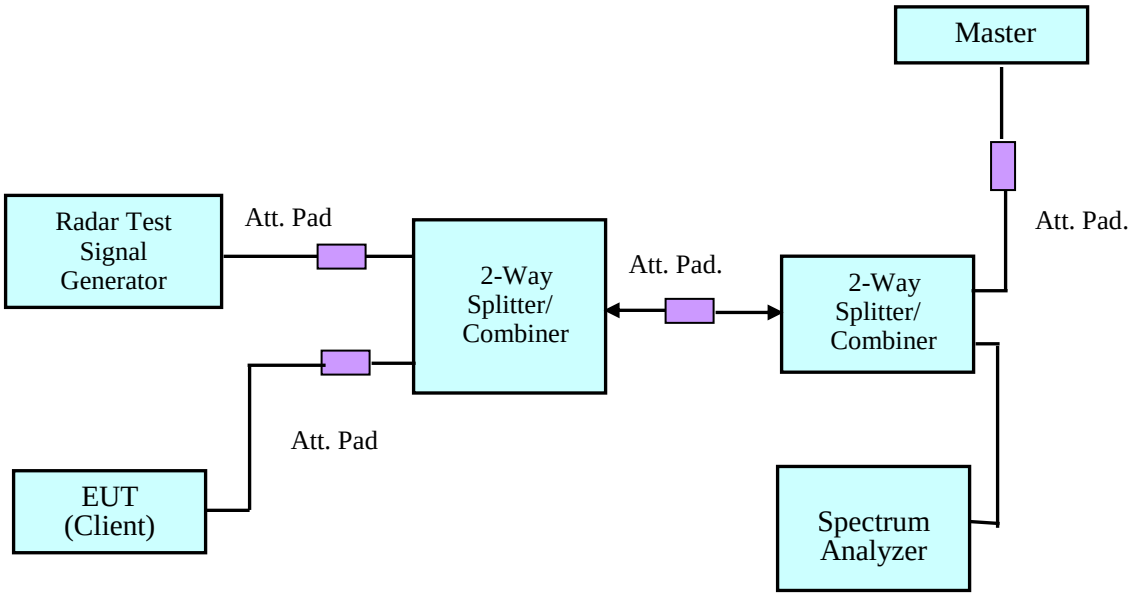
4.3 System Block Diagram



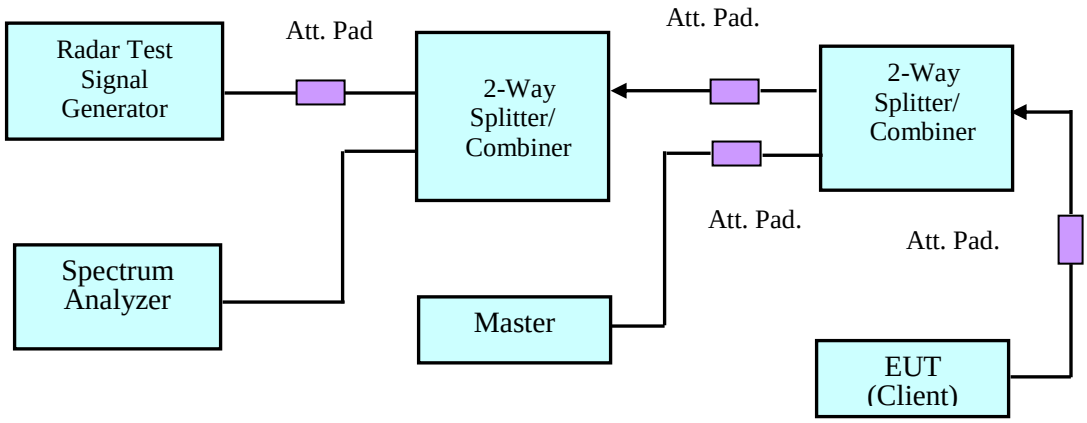
4.4 Conducted Method



Setup for Master with injection at the Master

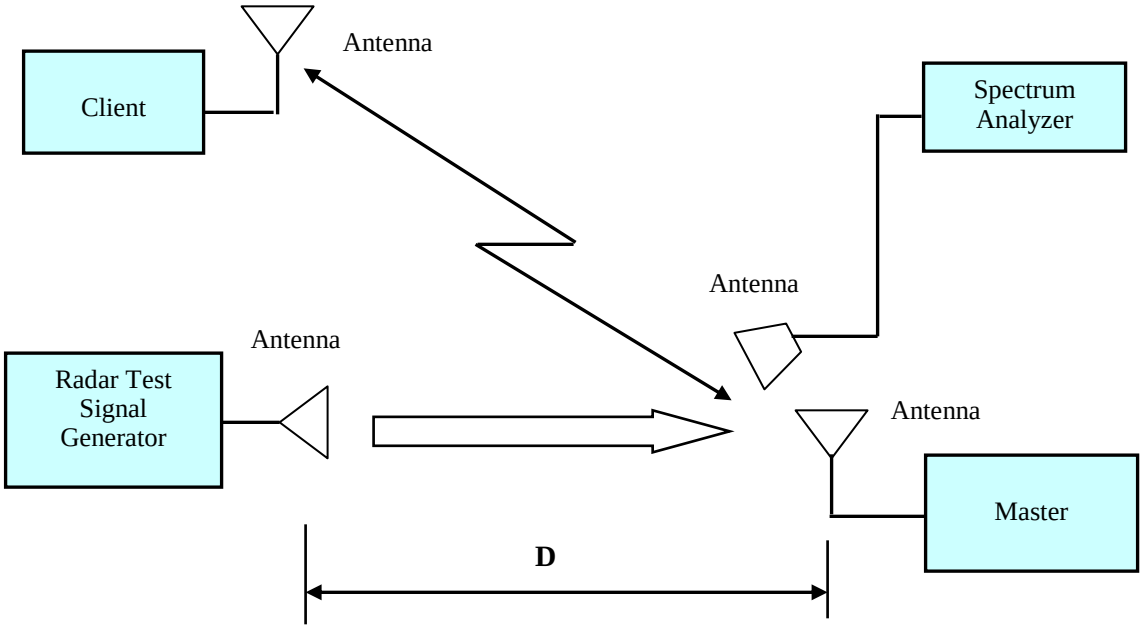


Setup for Client with injection at the Master



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.

5.2 Antenna Description

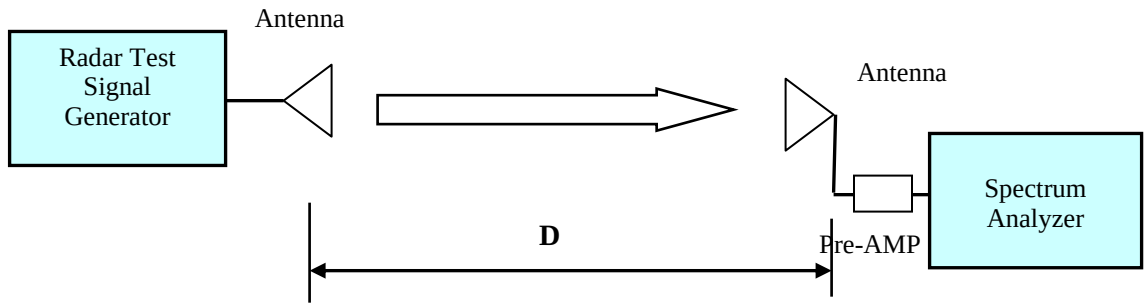
Antenna Type	Frequency (MHz)	Antenna Gain (dBi)
Dipole	5150-5850	5.35
PIFA	5150-5850	5.6

5.3 Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A	N/A
Agilent	Analyzer, Spectrum	E4440A	US45303156	2017-01-19	1 year
A.R.A.	Antenna Horn	DRG-118/A	1132	2016-01-29	2 years
EMCO	Antenna Horn	3115	9511-4627	2015-10-17	2 years
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	N/A	N/A
Narda	Splitter/Combiner	4326B-2	03514	N/A	N/A
Midwest	Attenuator	290-30	N/A	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A	N/A

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

5.4 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.5 Test Environmental Conditions

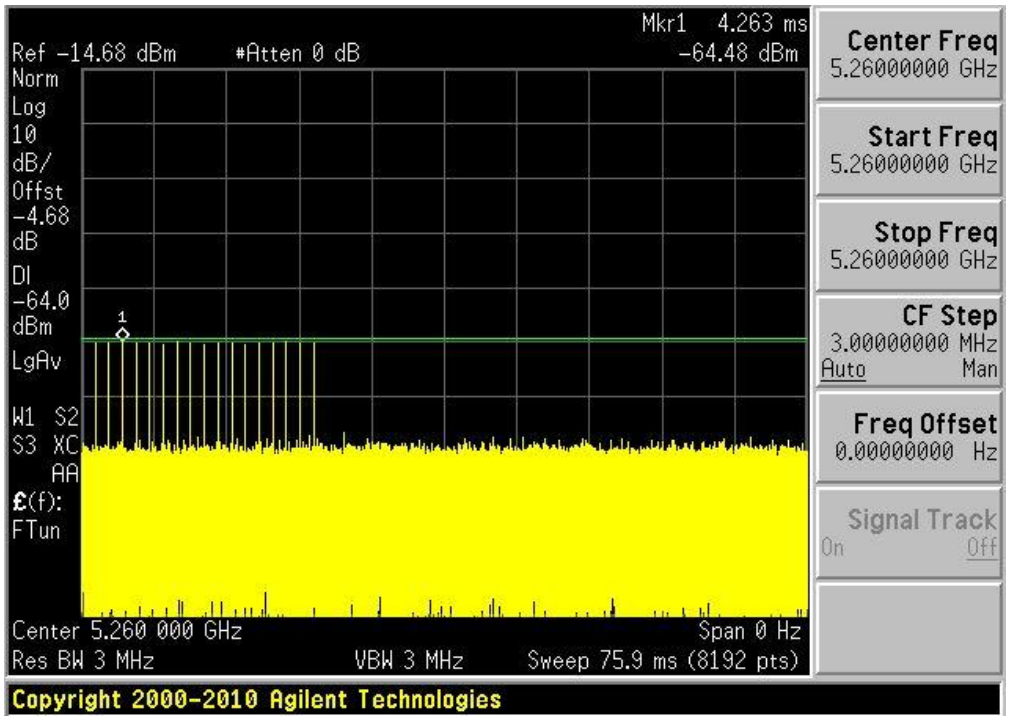
Temperature:	22-25° C
Relative Humidity:	45-48 %
ATM Pressure:	102.1 kPa

Testing was performed by Vincent Licata from 2017-10-04 to 2017-10-05 at the DFS site.

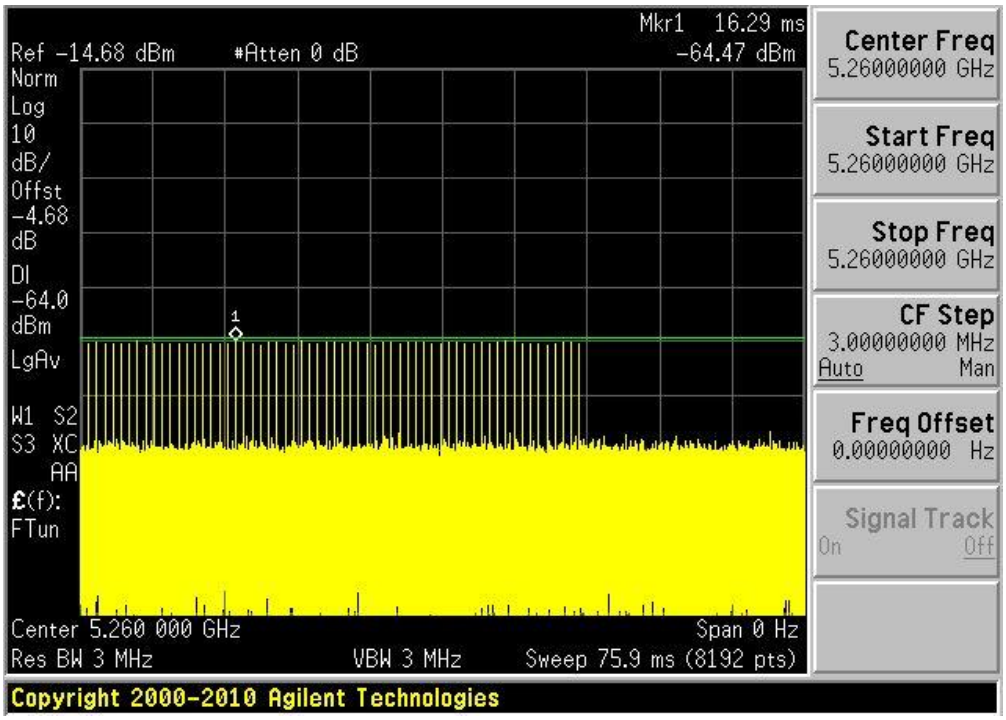
Plots of Radar Waveforms

5260 MHz

Radar Type 0



Radar Type 1A



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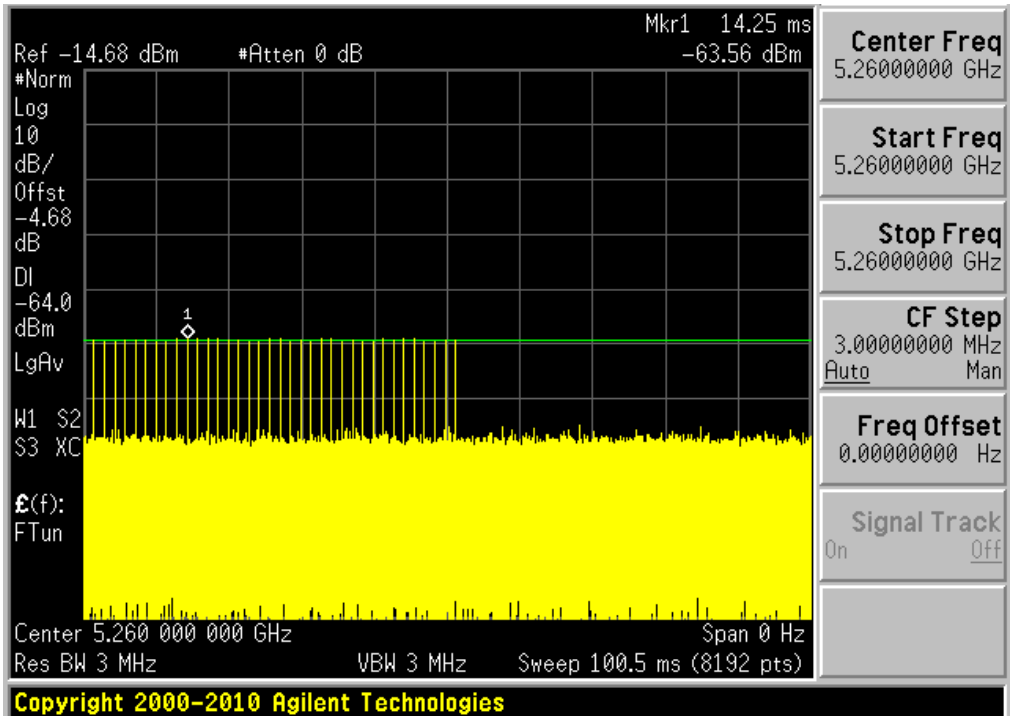
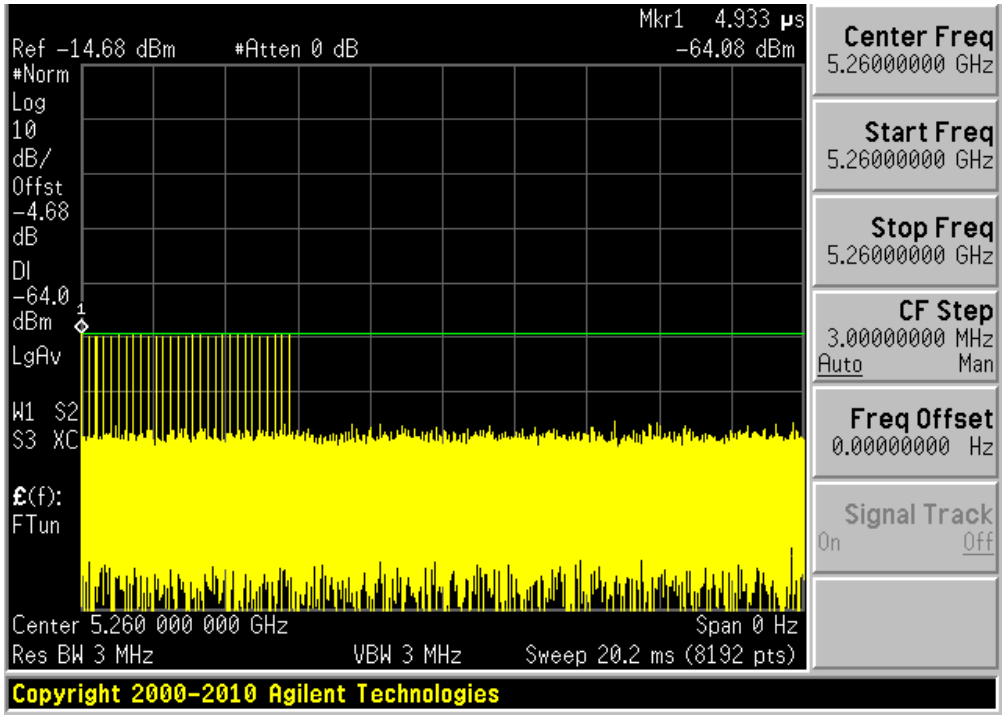
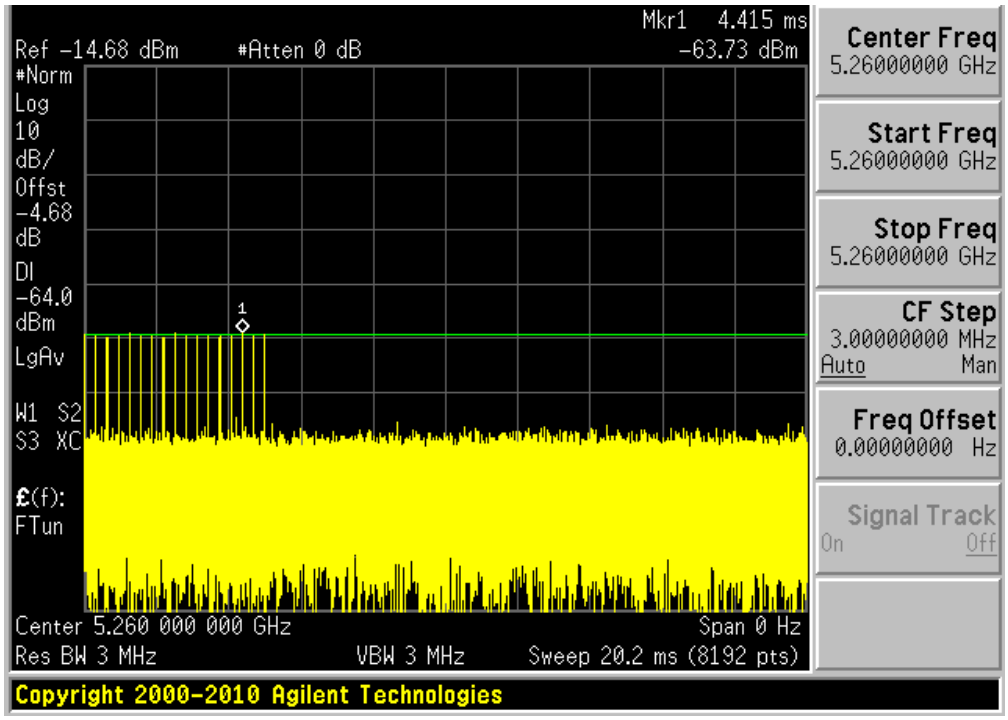


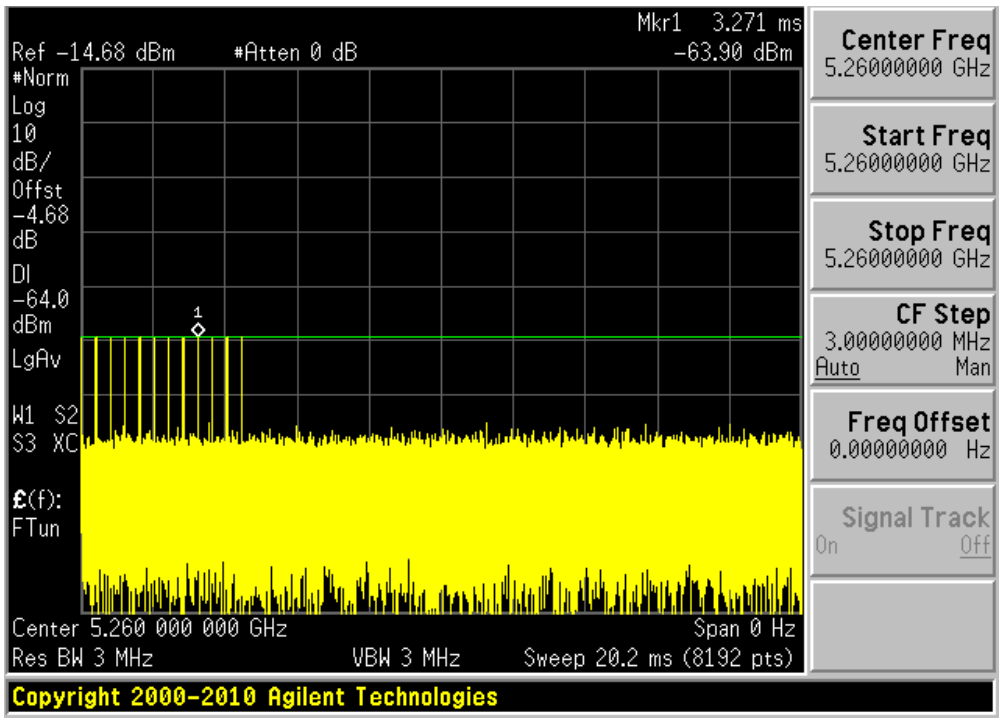
Radar Type 2



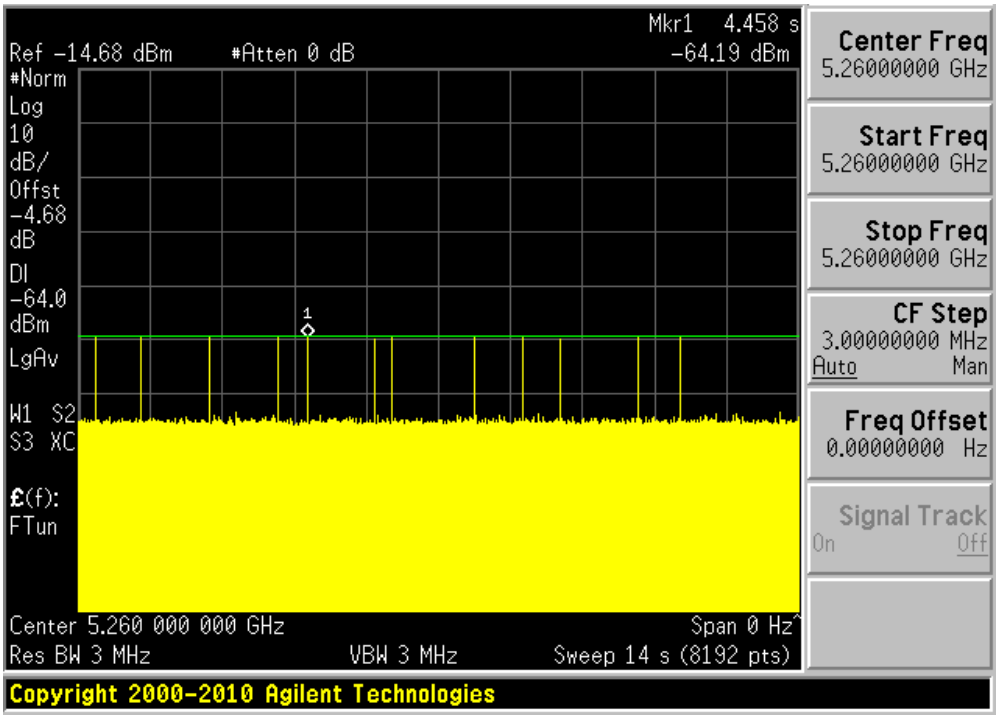
Radar Type 3



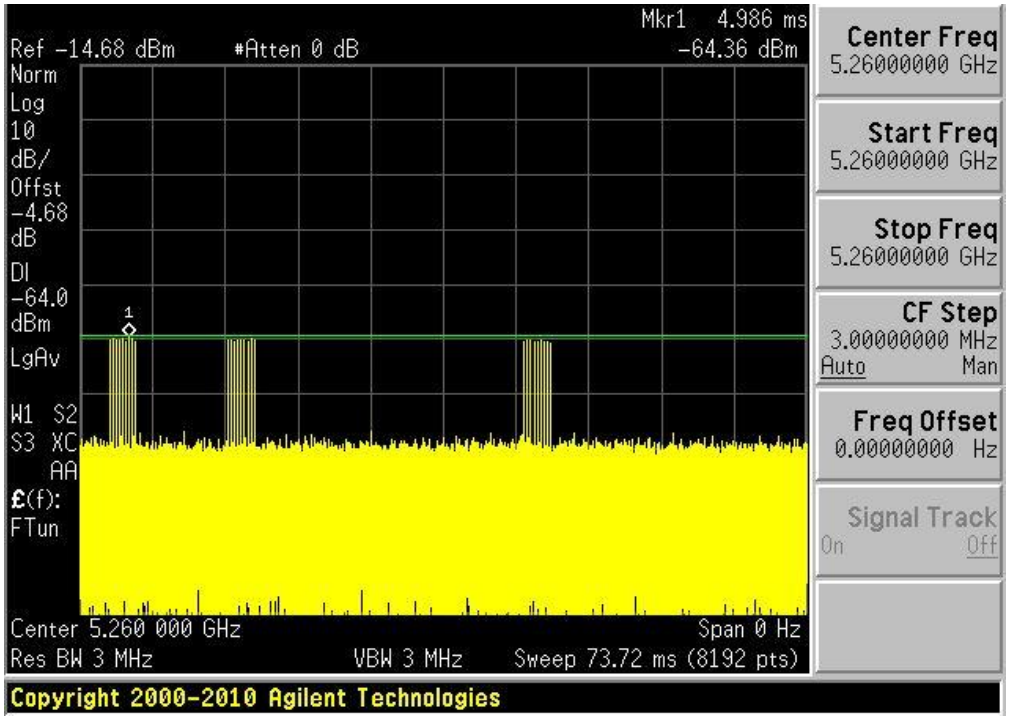
Radar Type 4



Radar Type 5

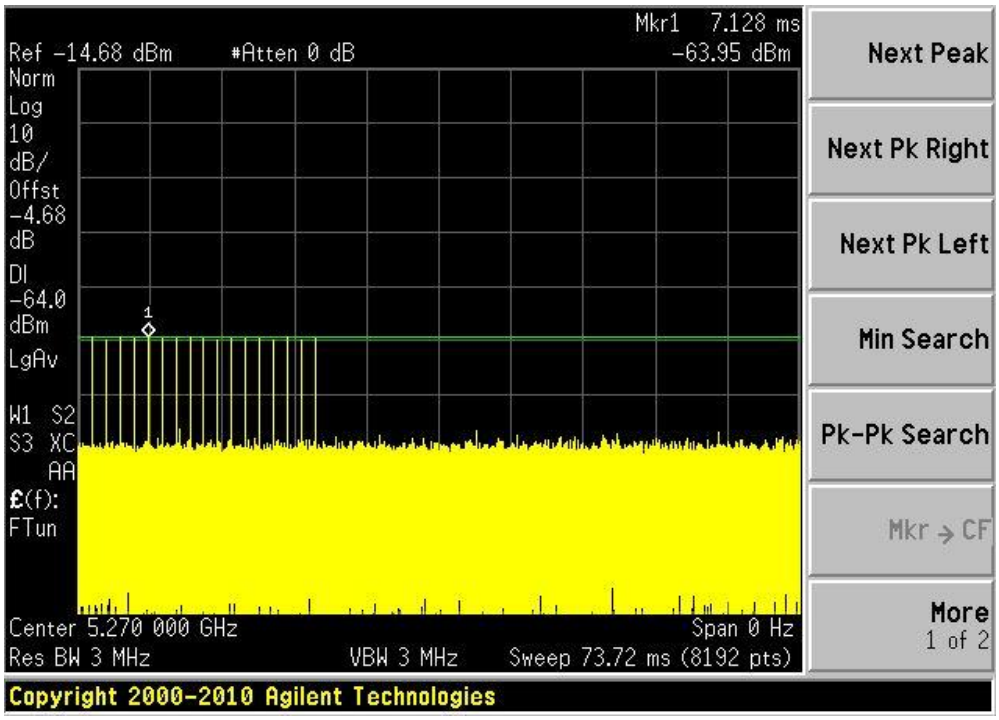


Radar Type 6

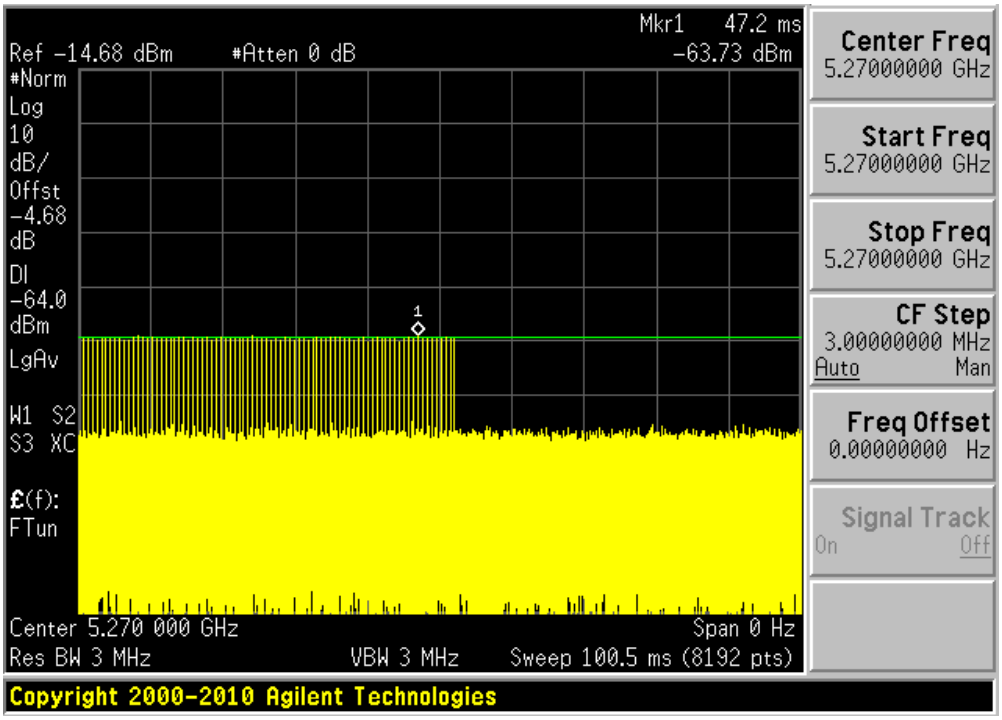


5270 MHz

Radar Type 0



Radar Type 1A



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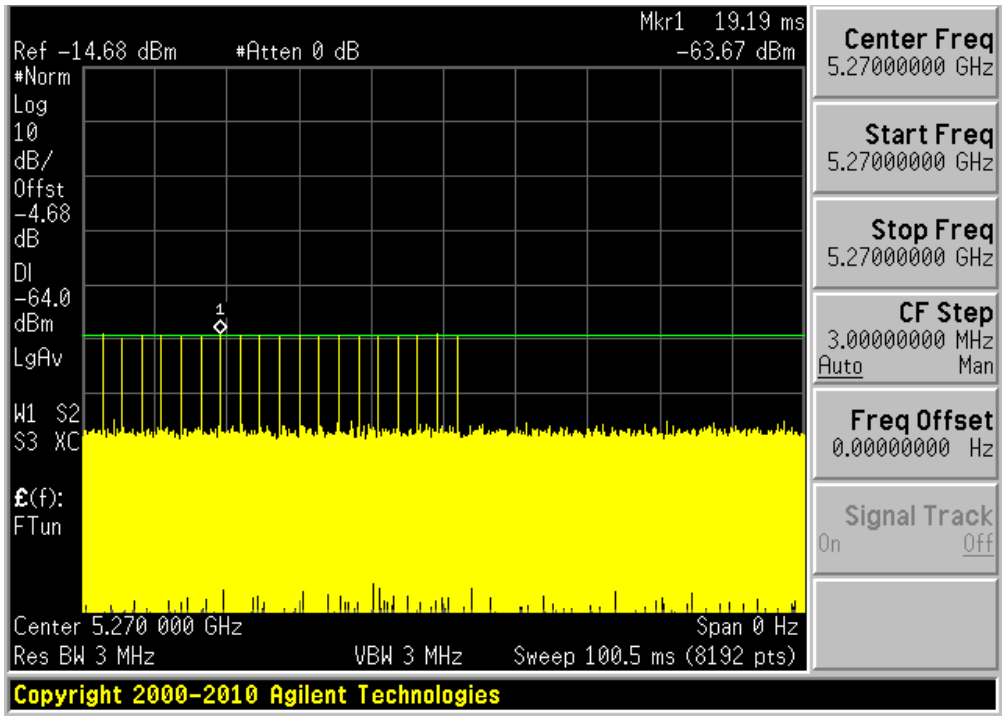

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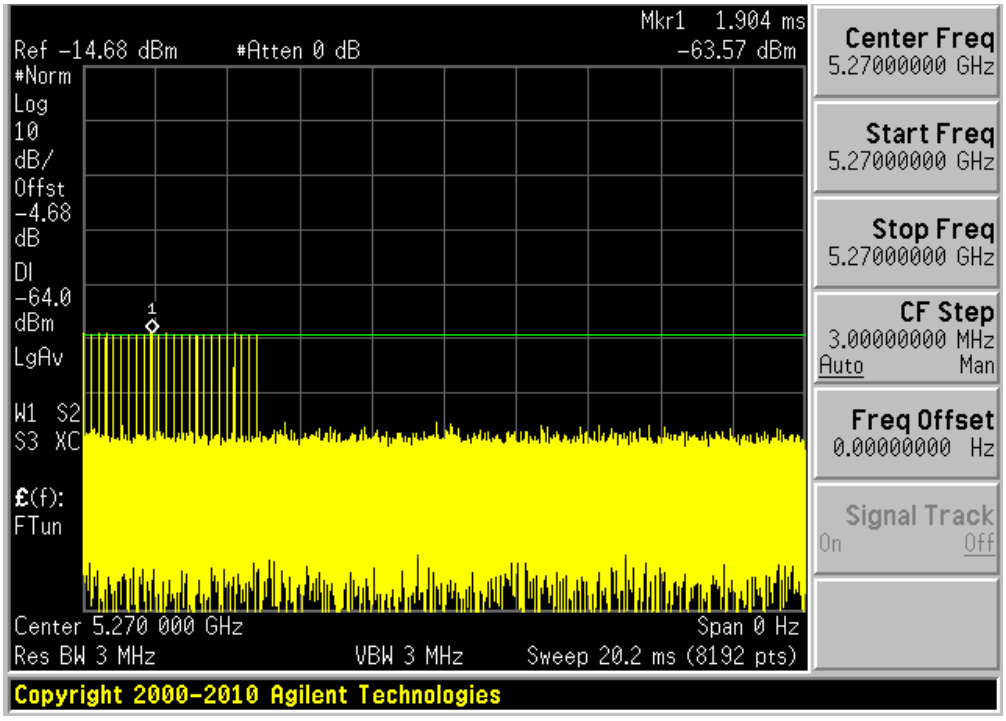

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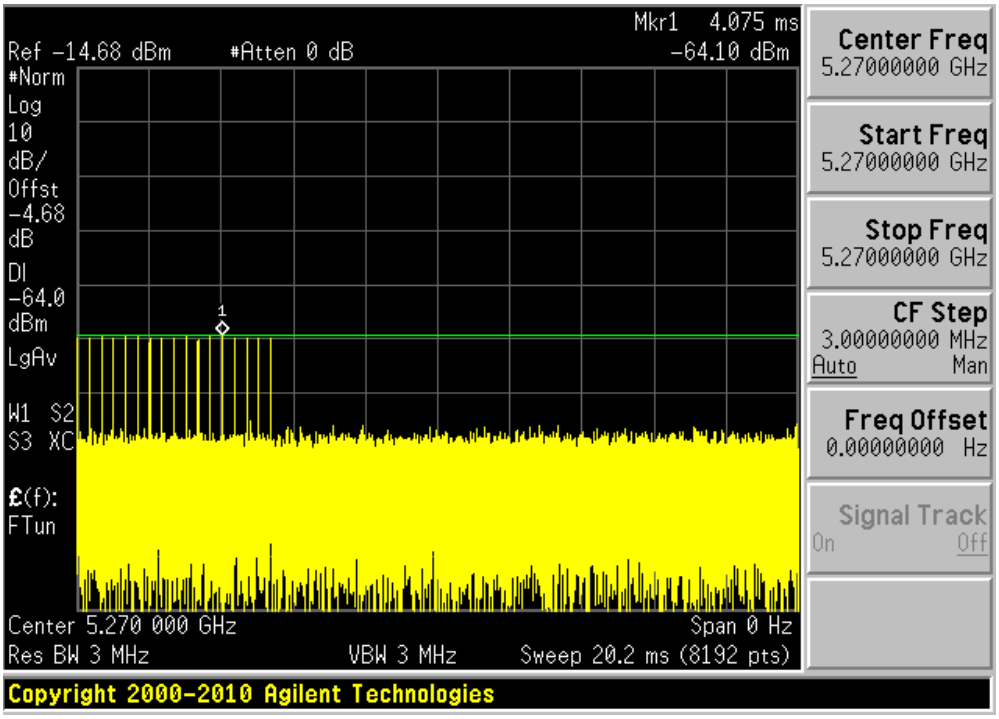

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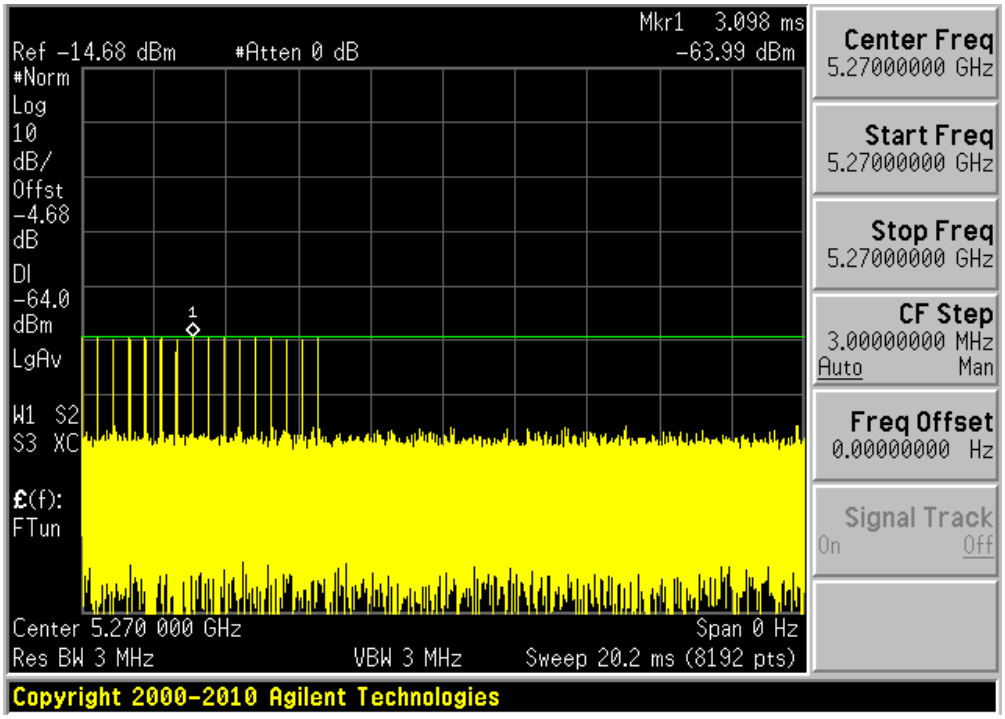

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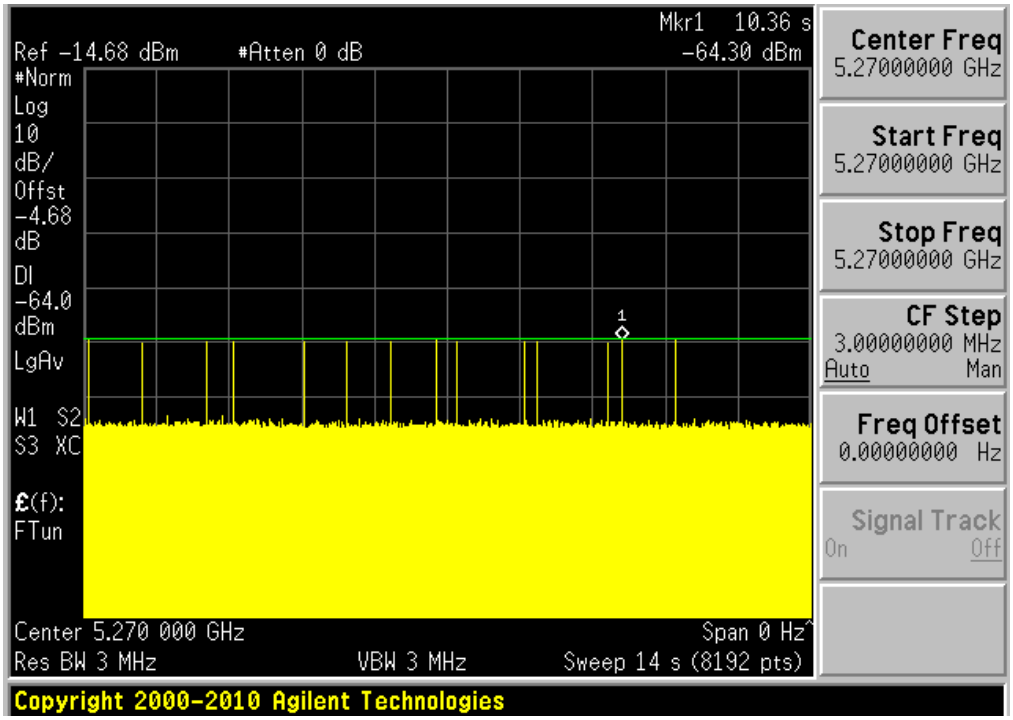
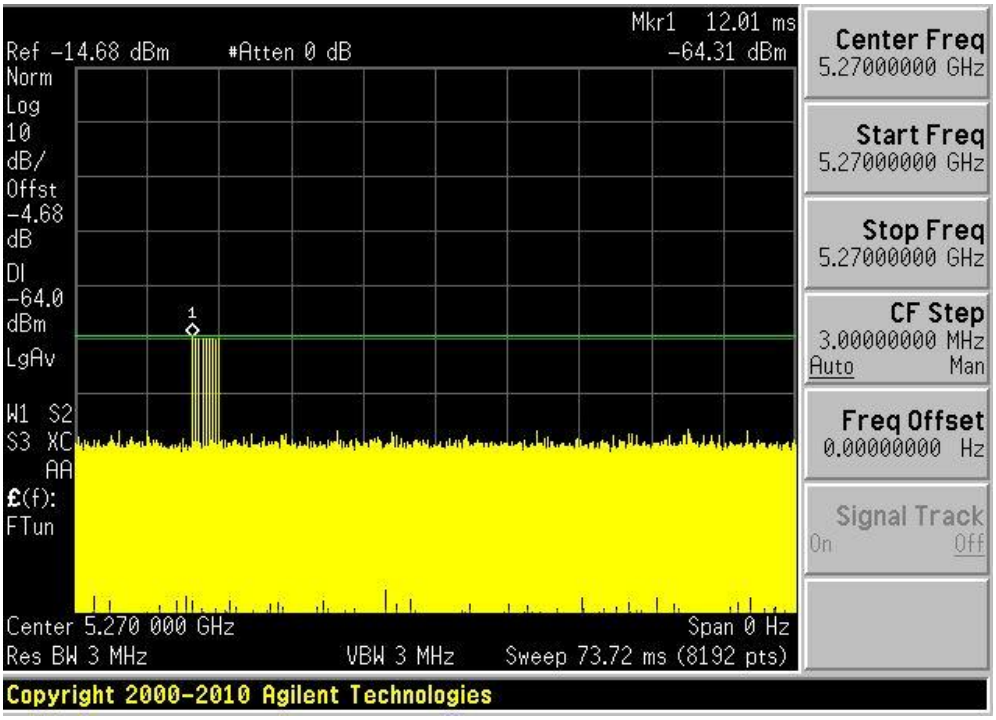
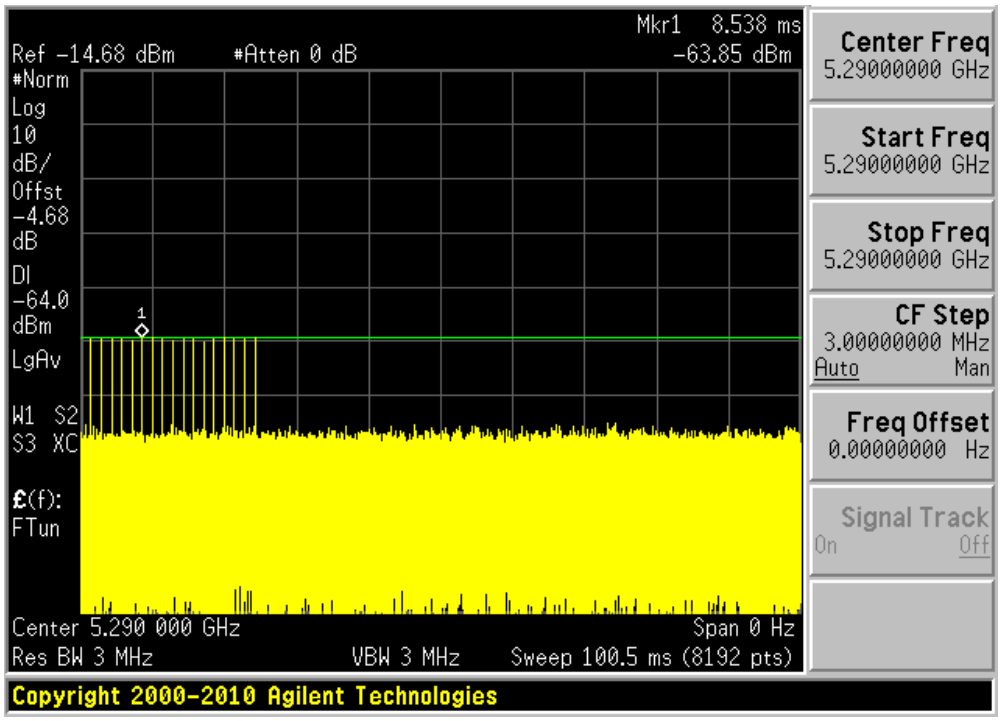


Radar Type 6

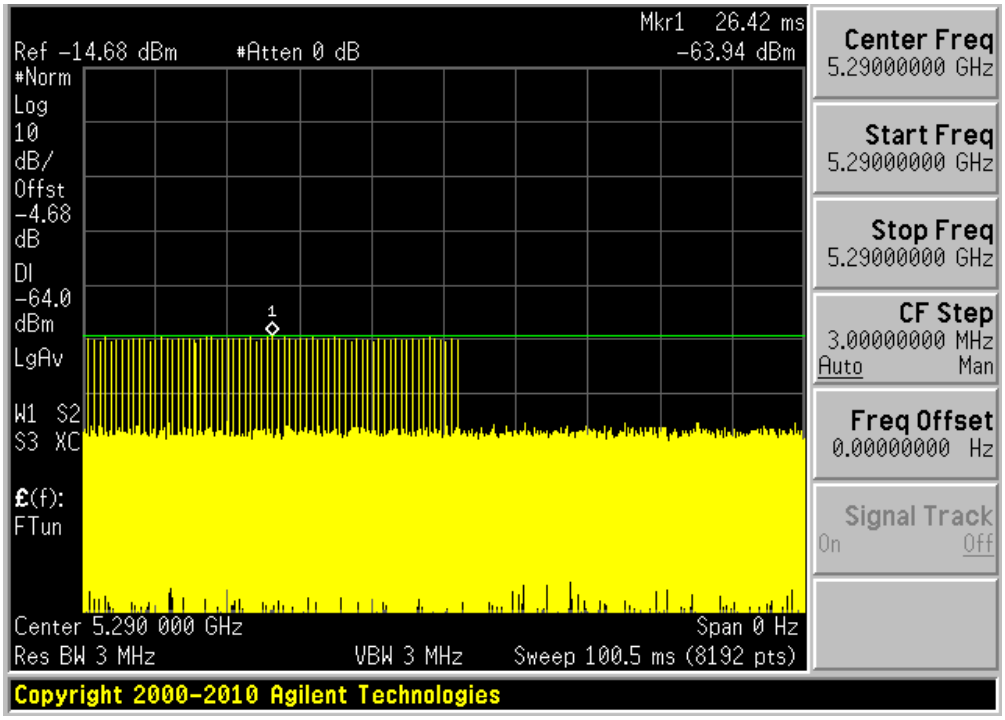


5290 MHz

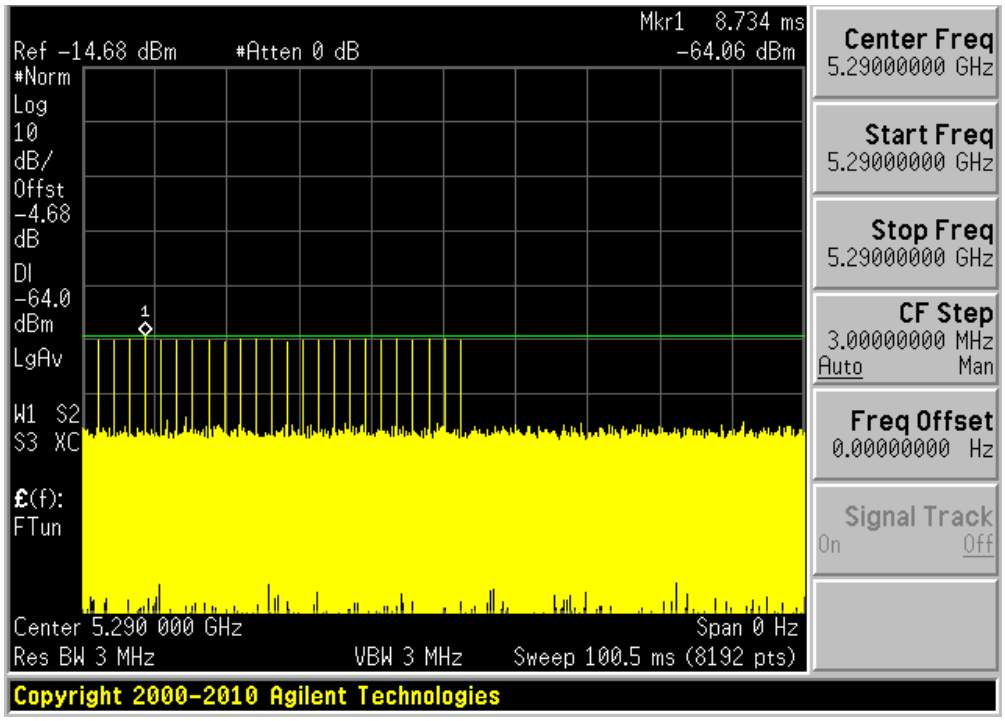
Radar Type 0



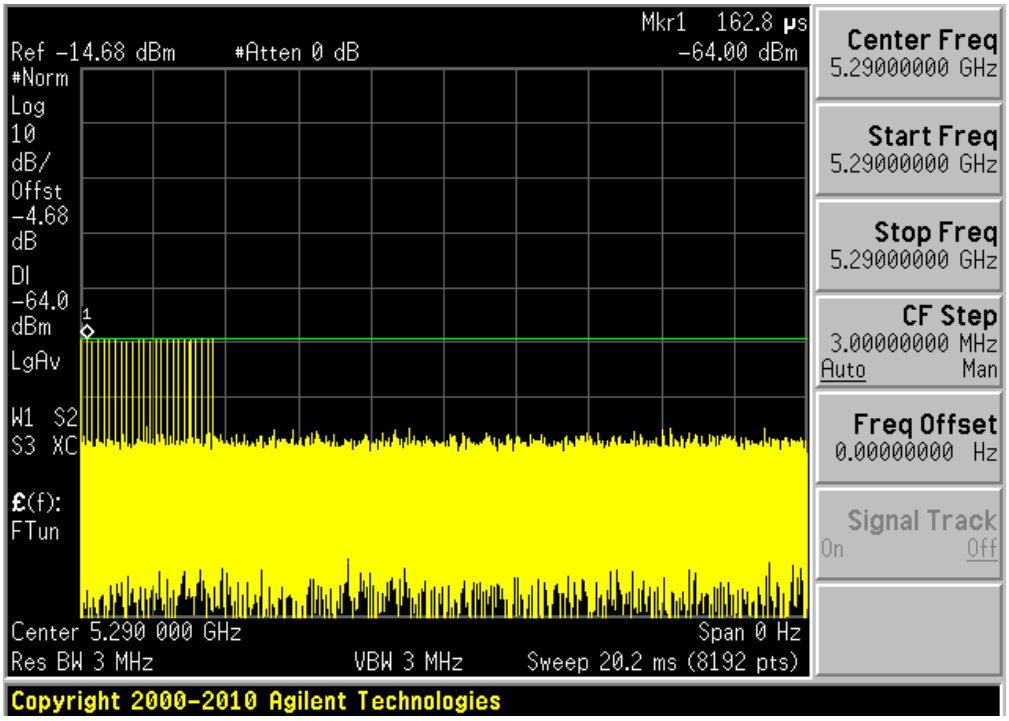
Radar Type 1A



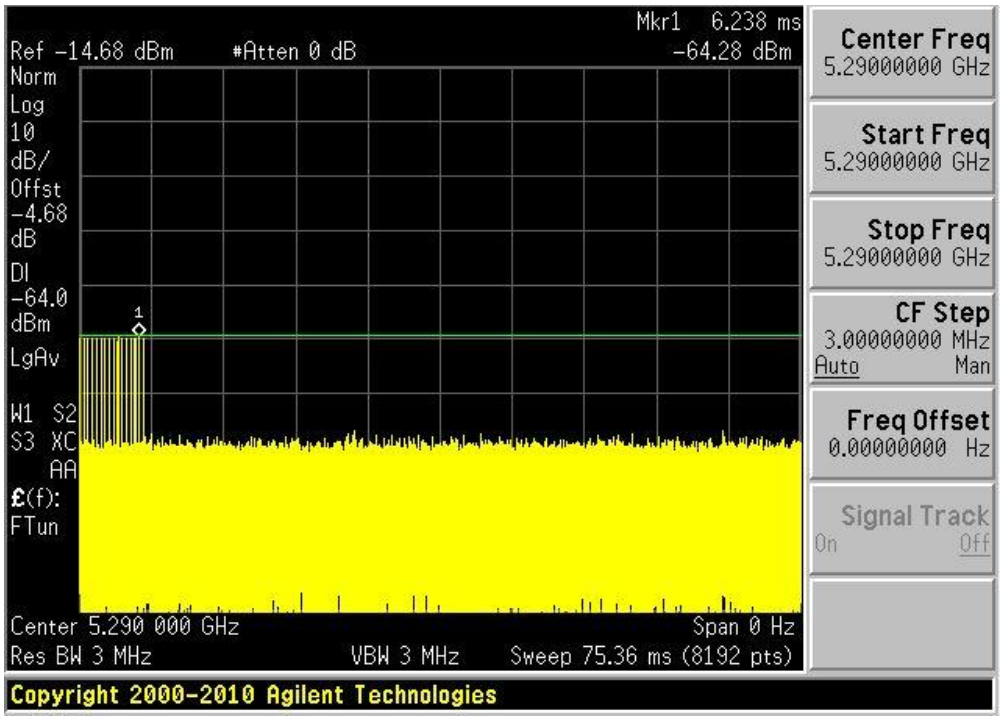
Radar Type 1B



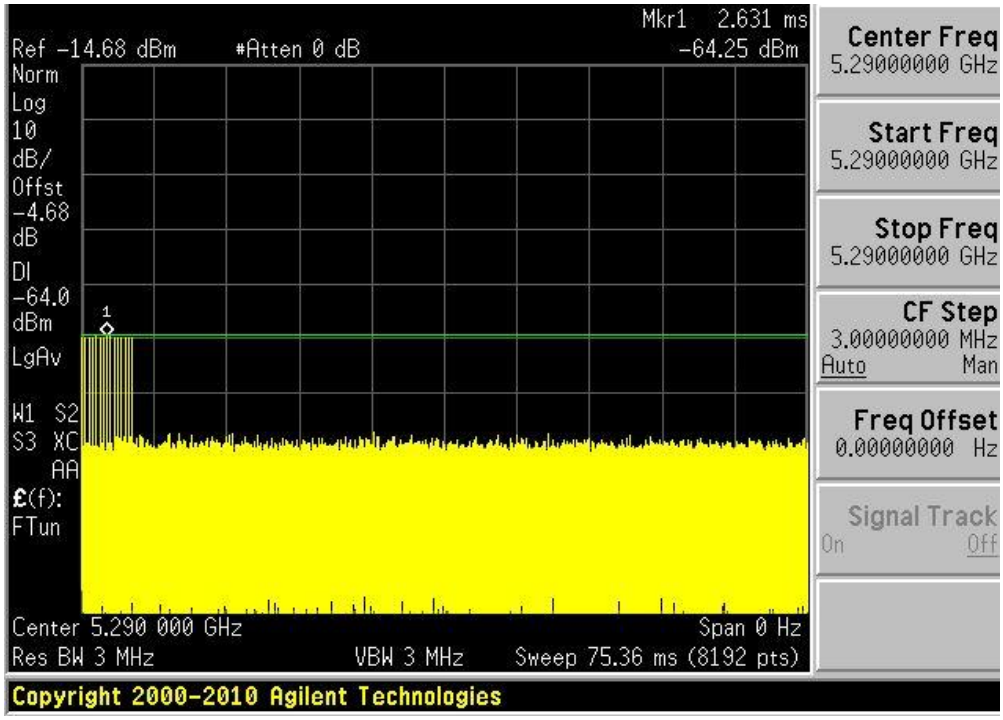
Radar Type 2



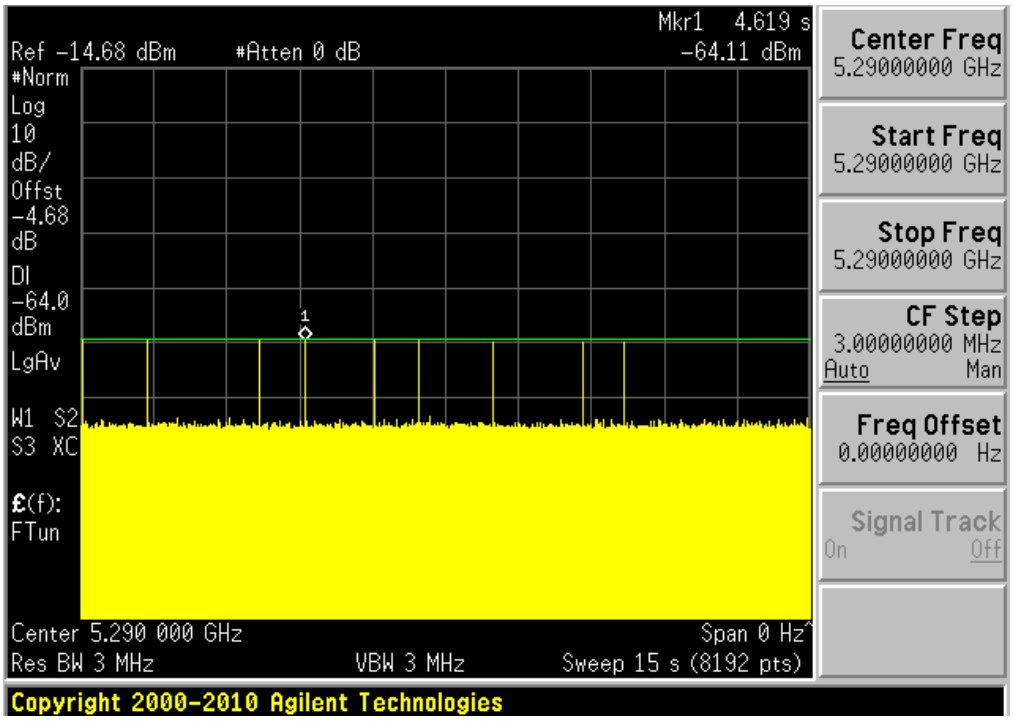
Radar Type 3



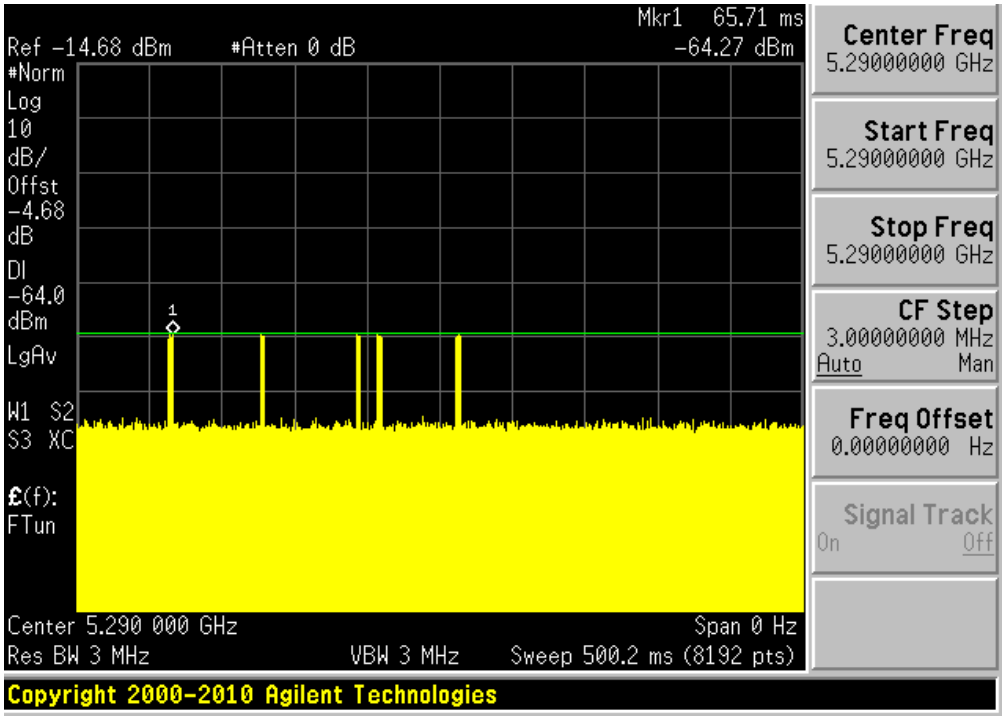
Radar Type 4



Radar Type 5

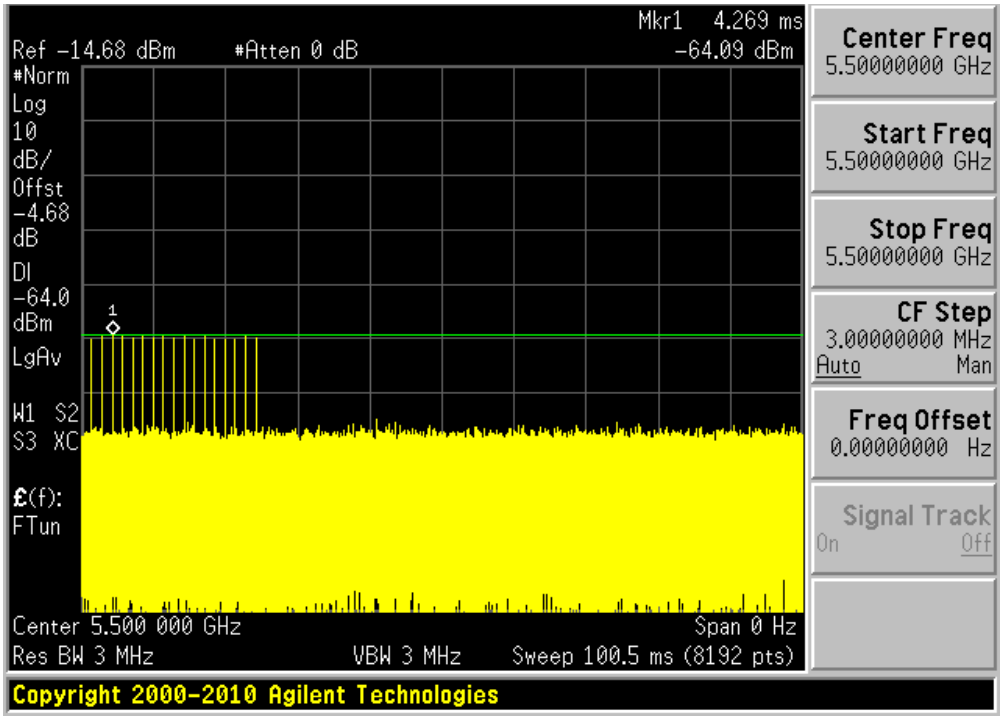


Radar Type 6

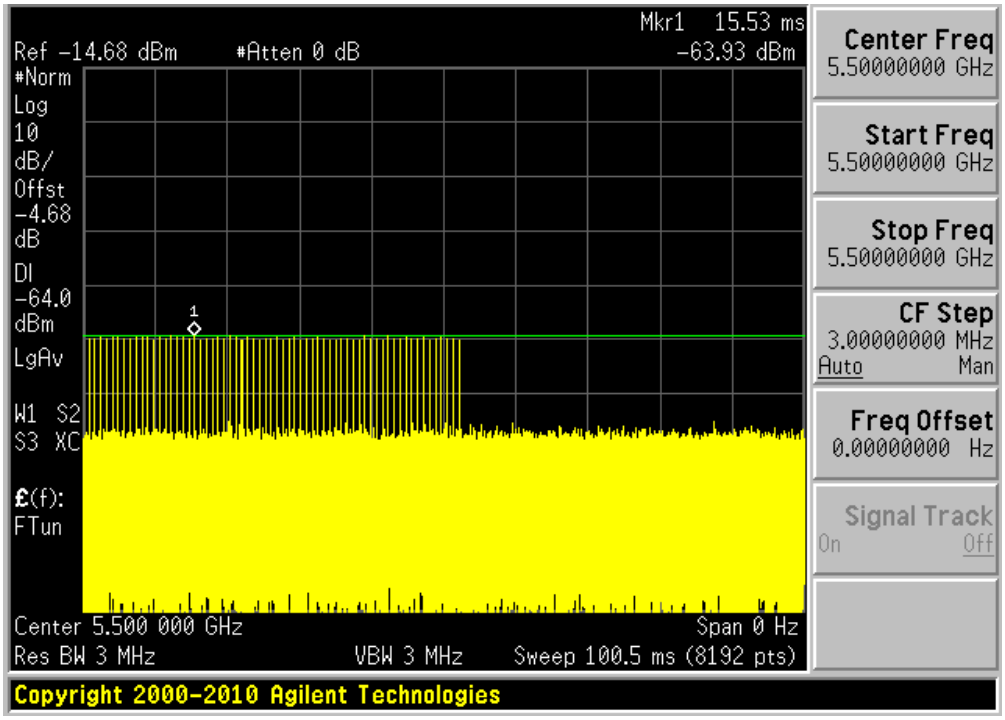


5500 MHz

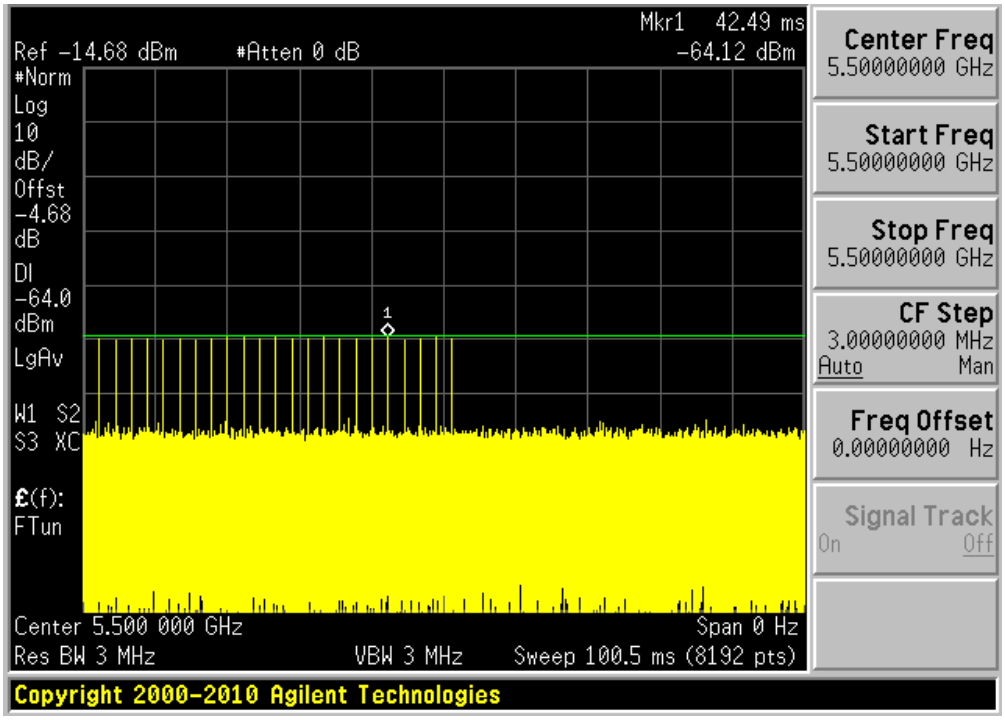
Radar Type 0



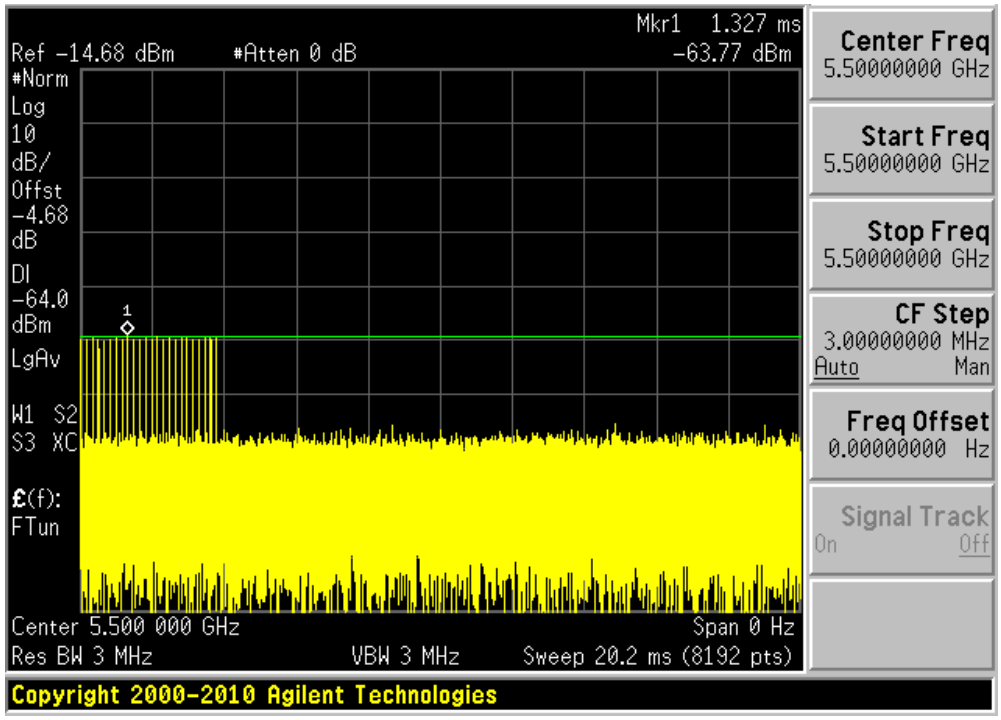
Radar Type 1A



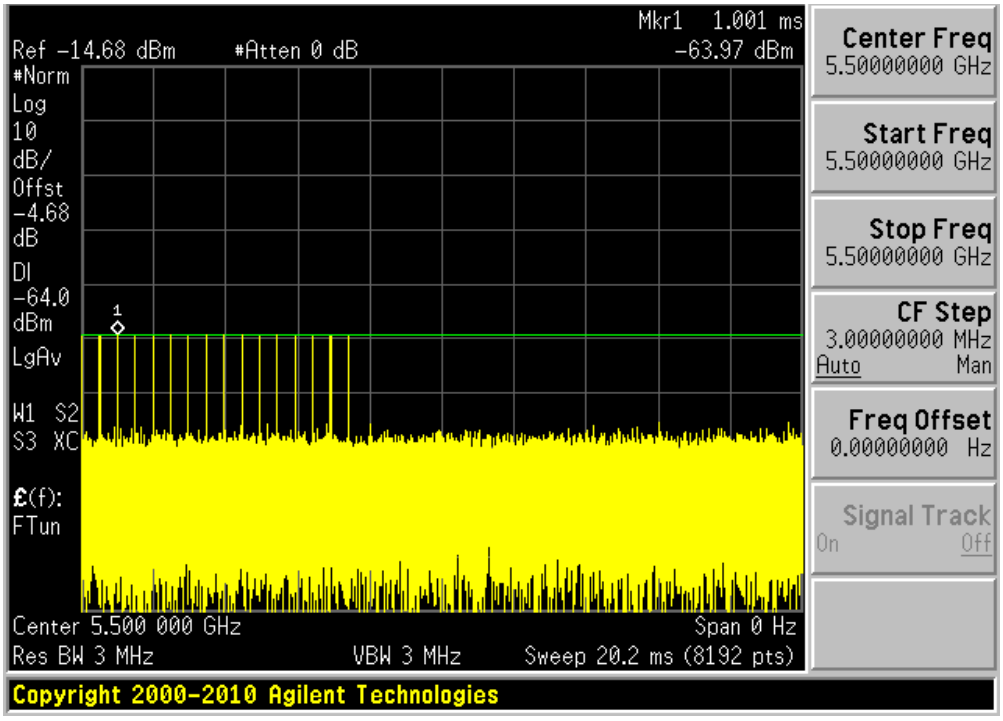
Radar Type 1B



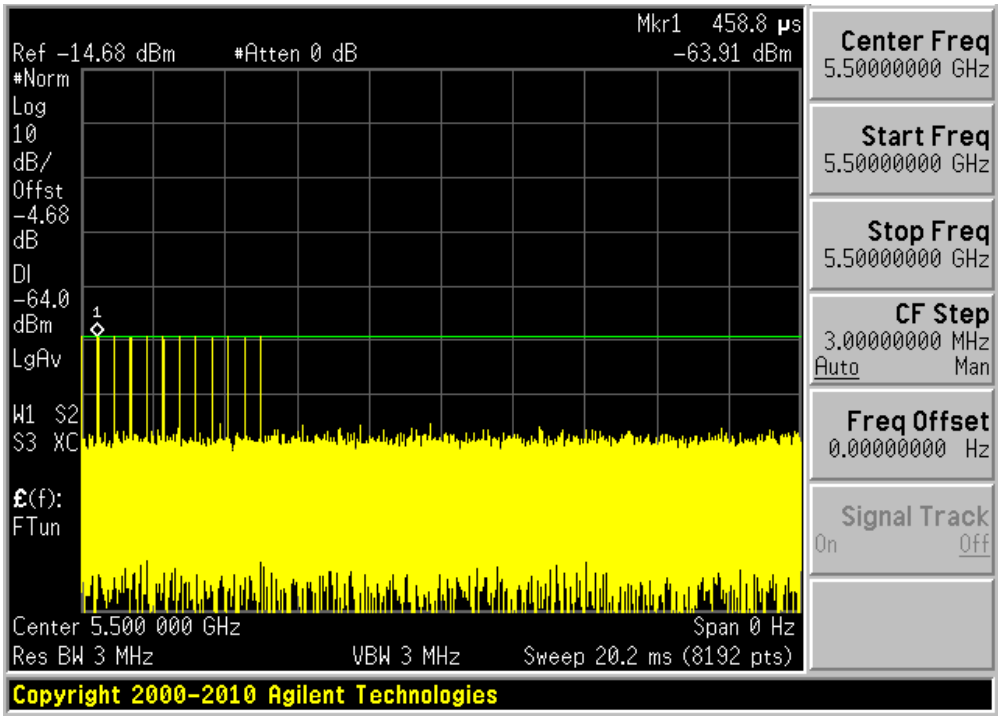
Radar Type 2



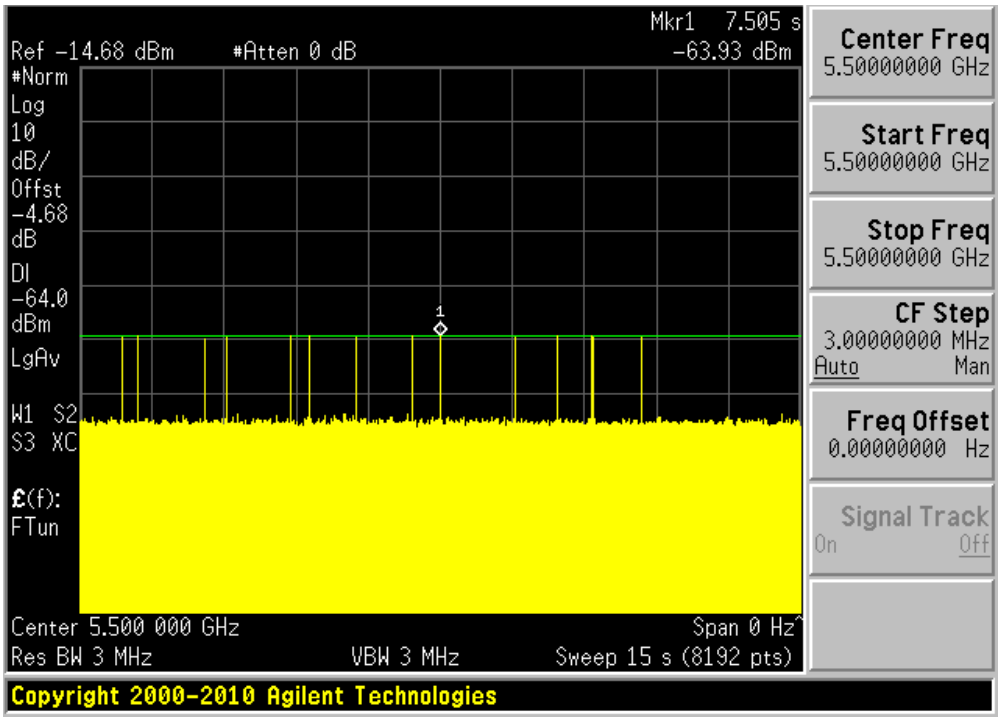
Radar Type 3



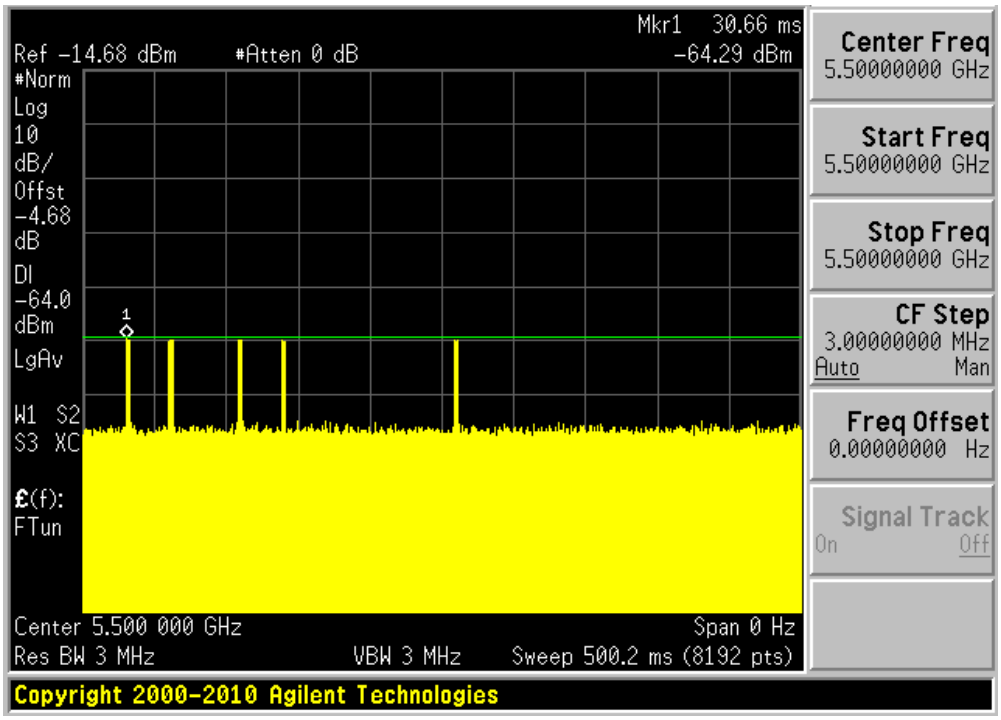
Radar Type 4



Radar Type 5

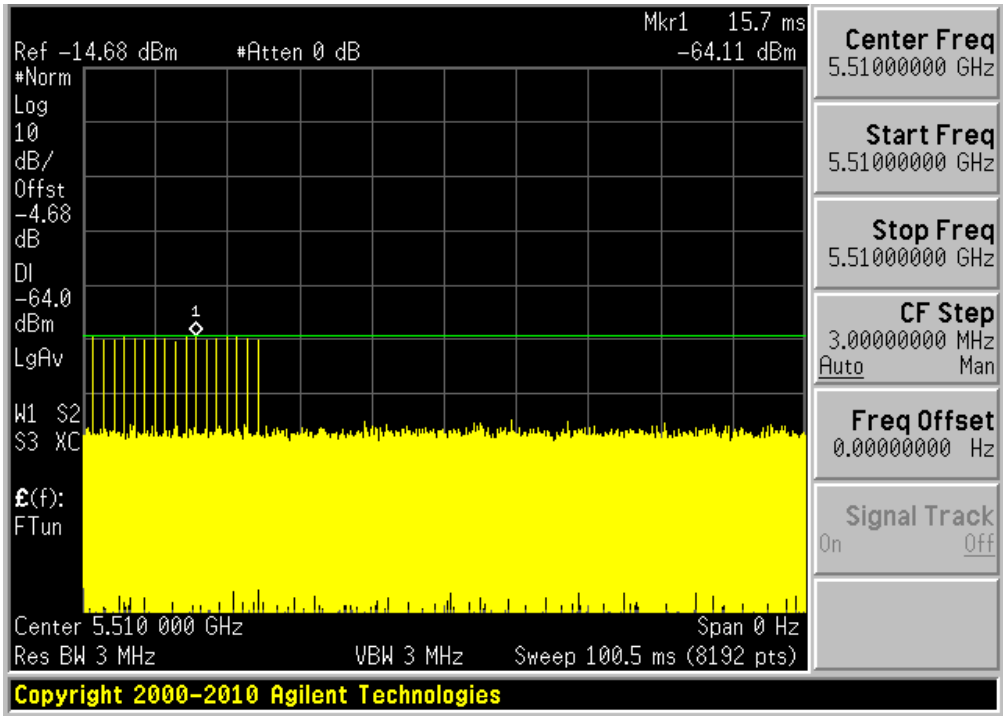


Radar Type 6

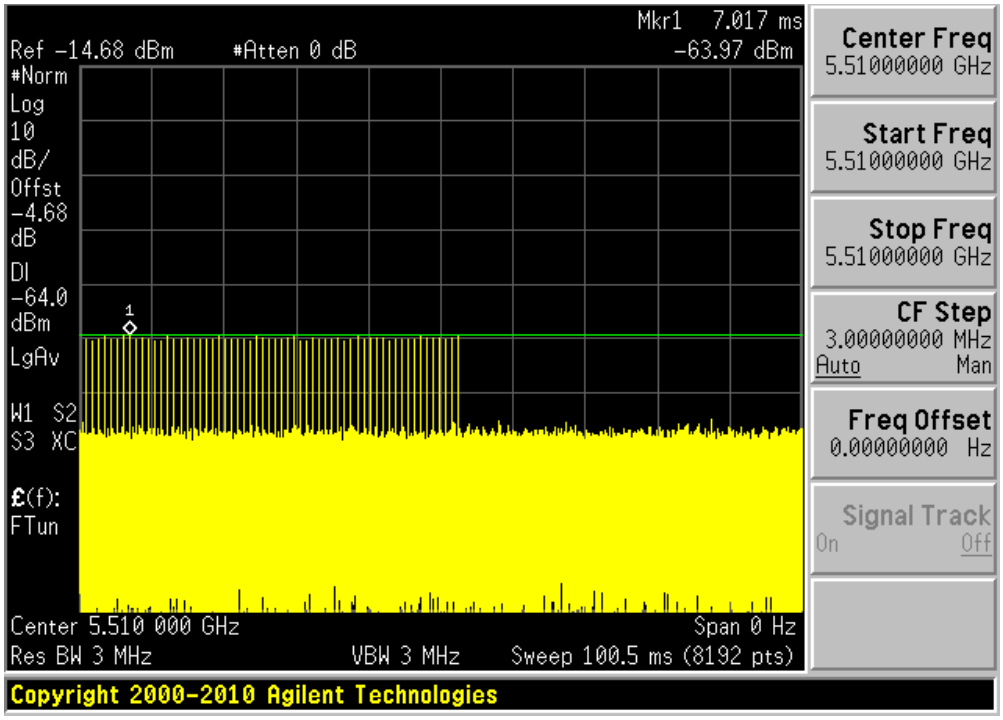


5510 MHz

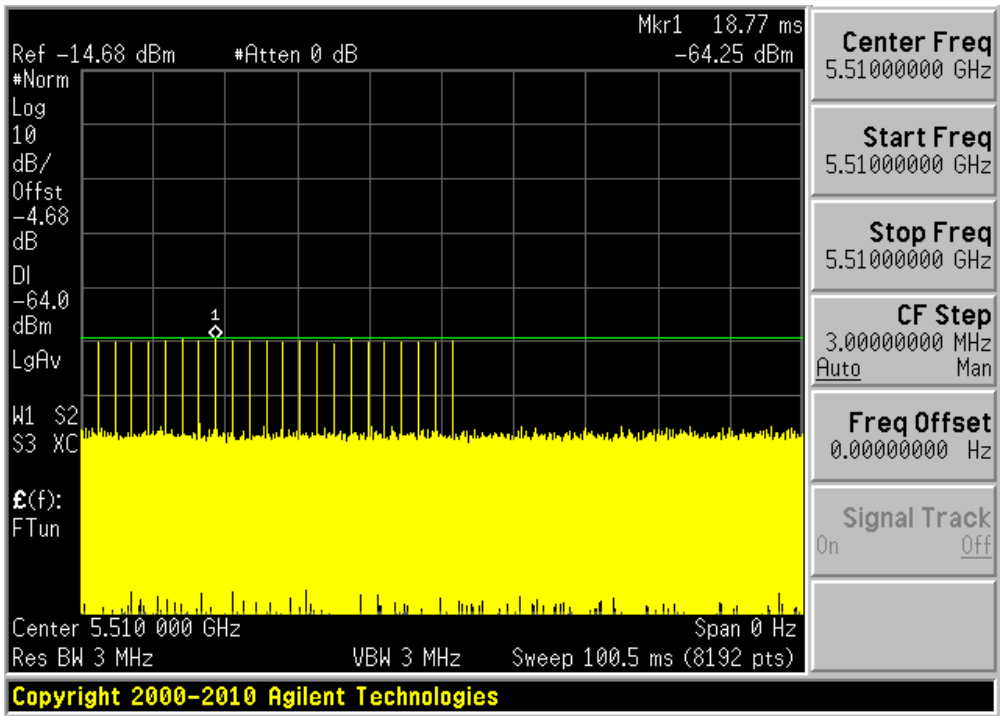
Radar Type 0



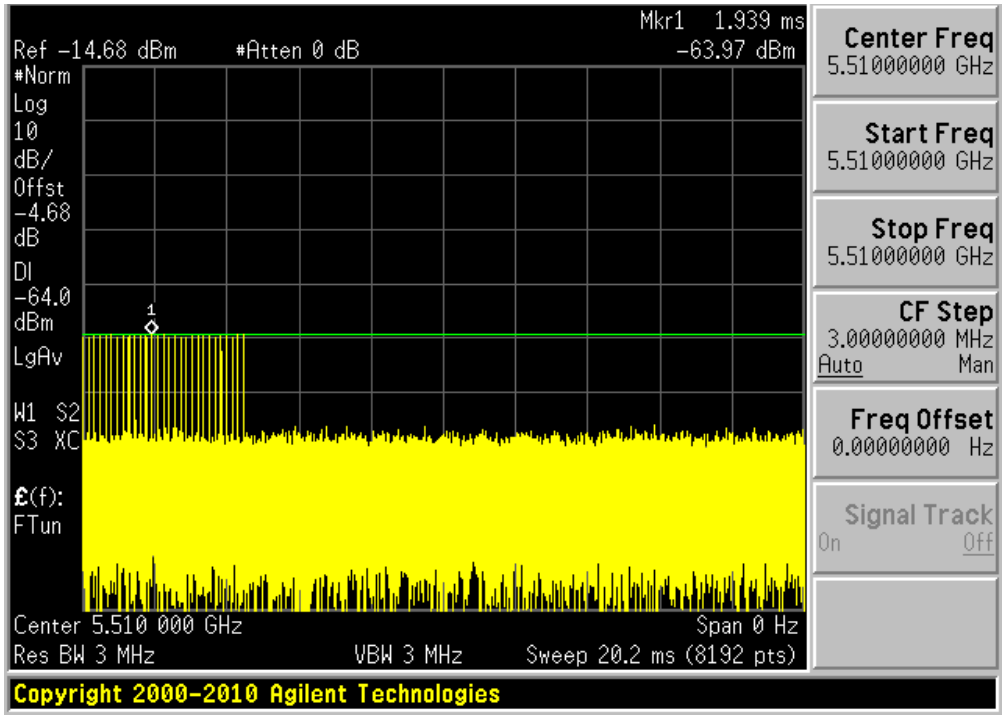
Radar Type 1A



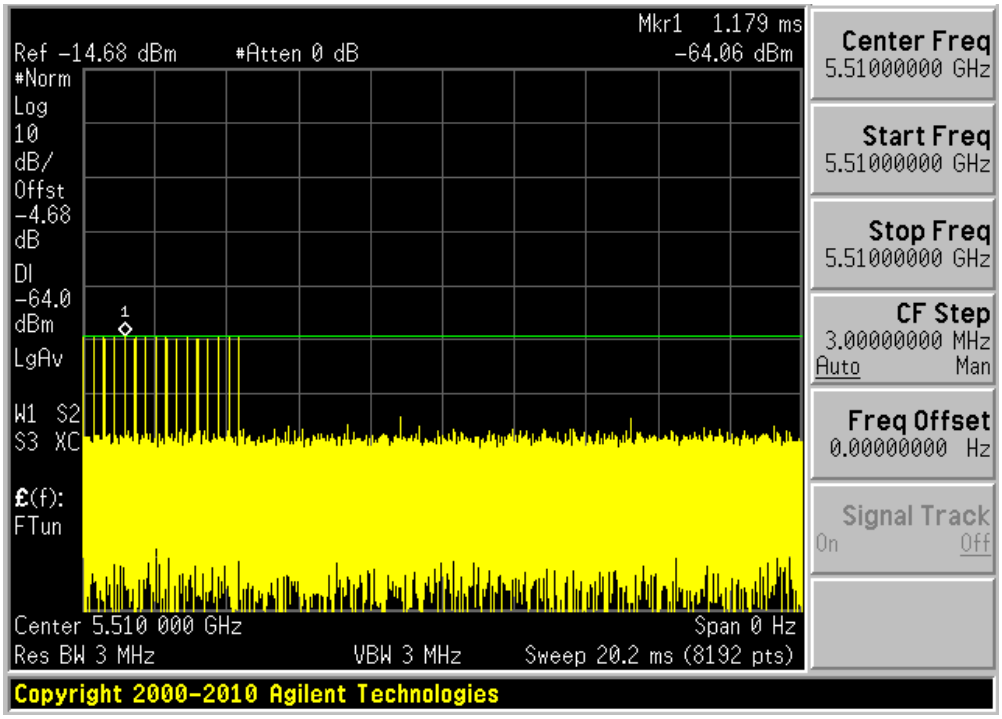
Radar Type 1B



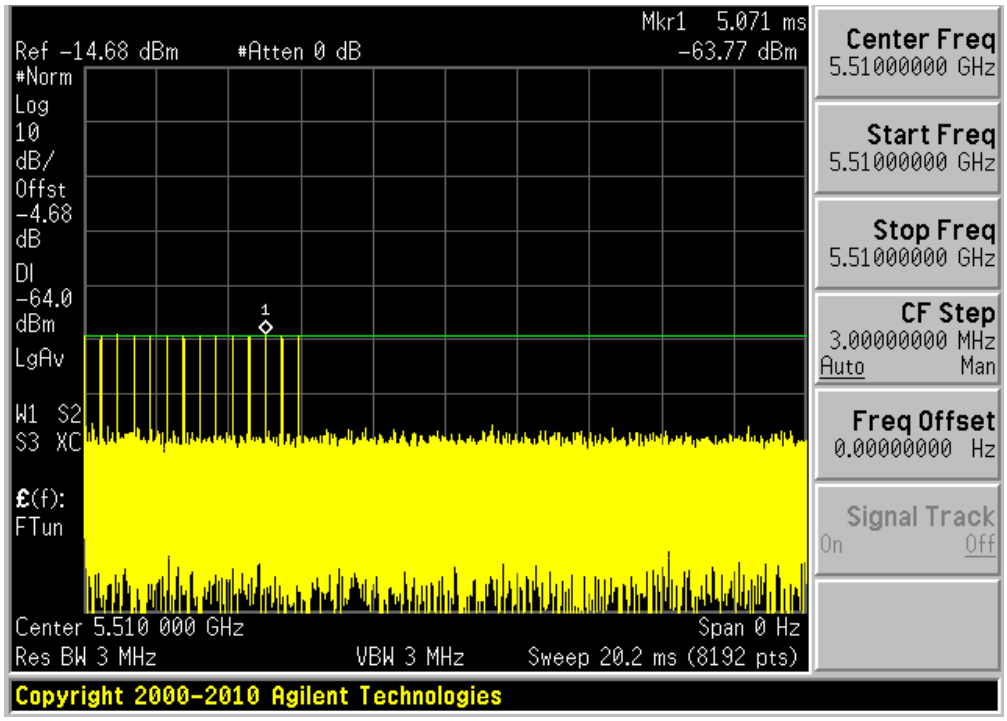
Radar Type 2



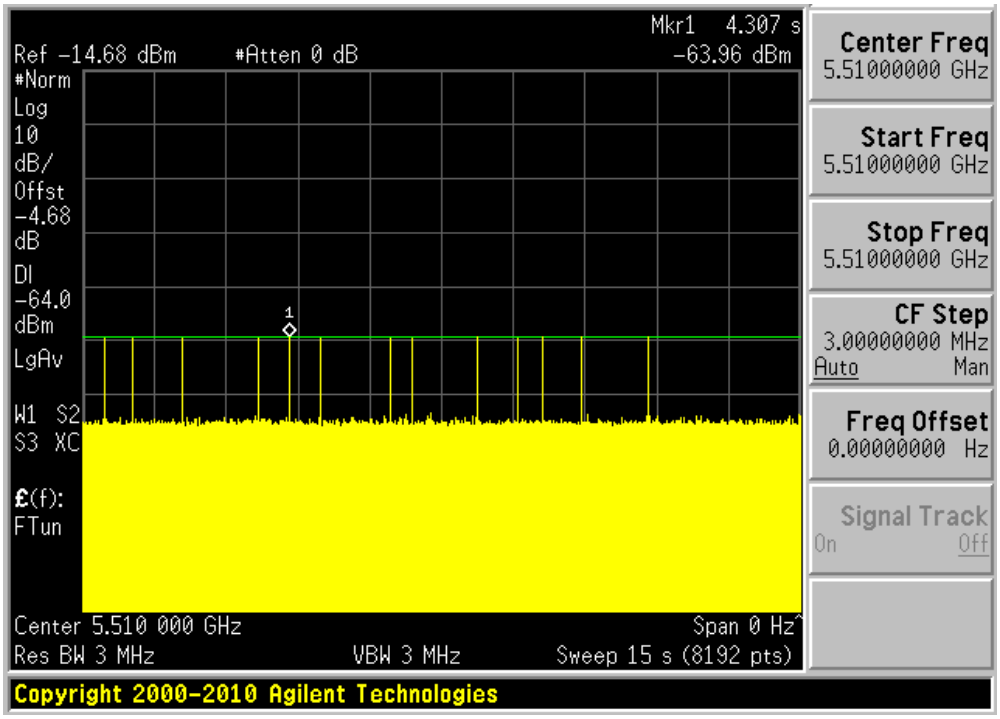
Radar Type 3



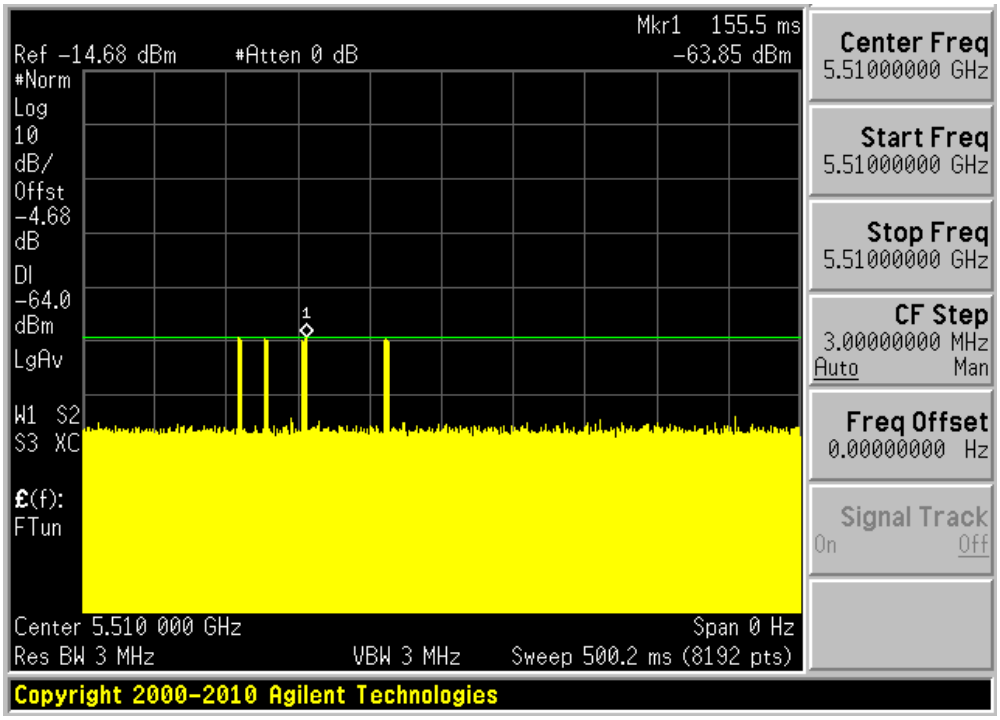
Radar Type 4



Radar Type 5

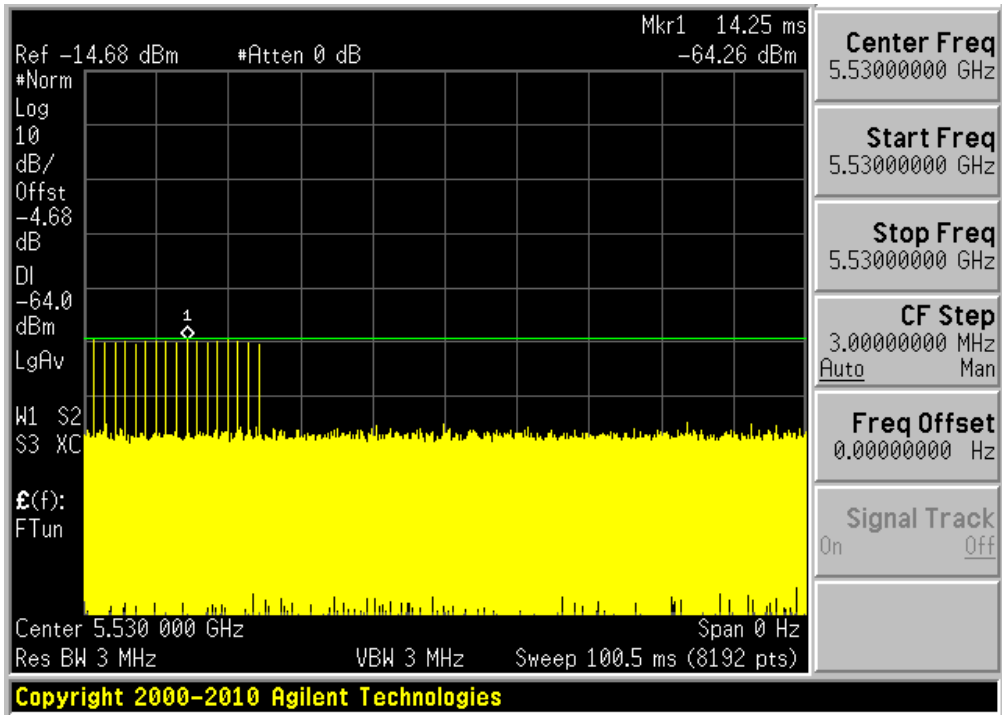


Radar Type 6

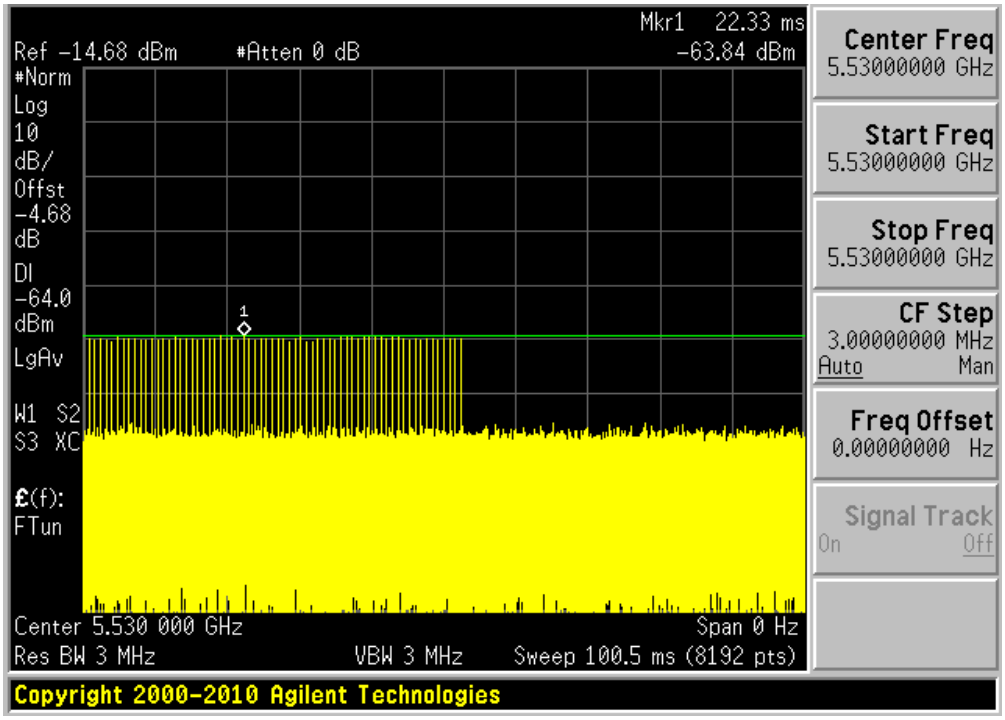


5530 MHz

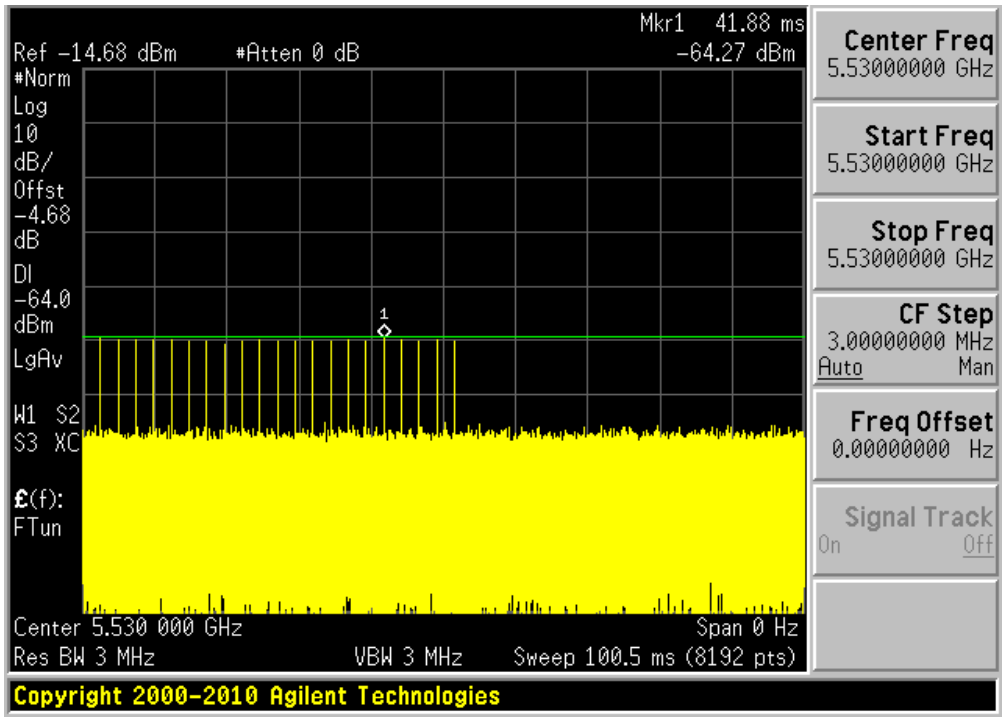
Radar Type 0



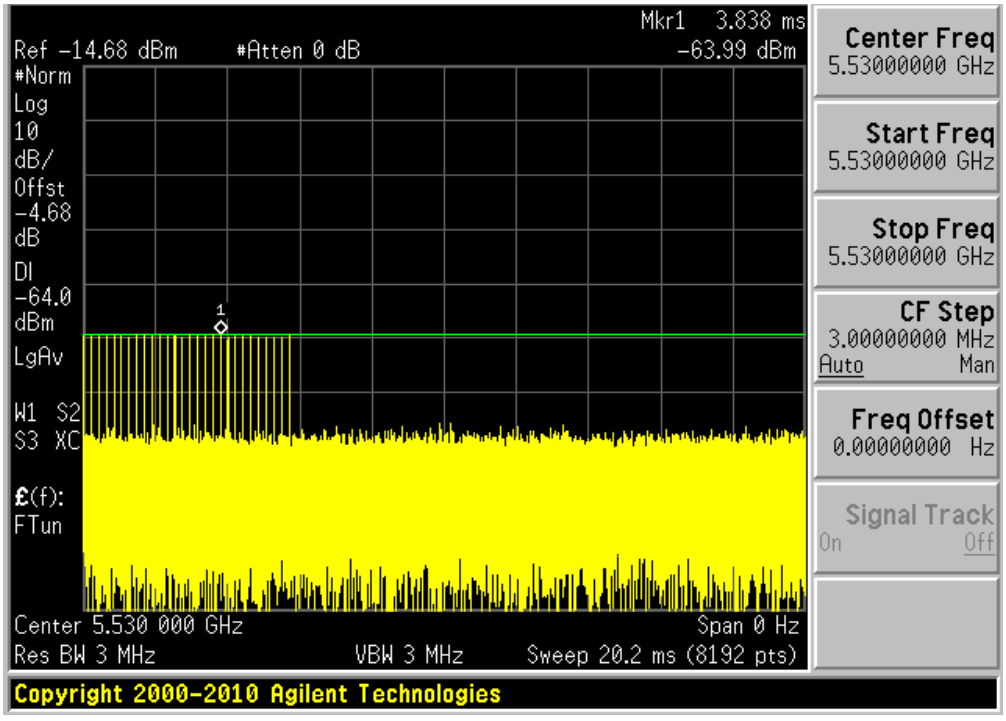
Radar Type 1A



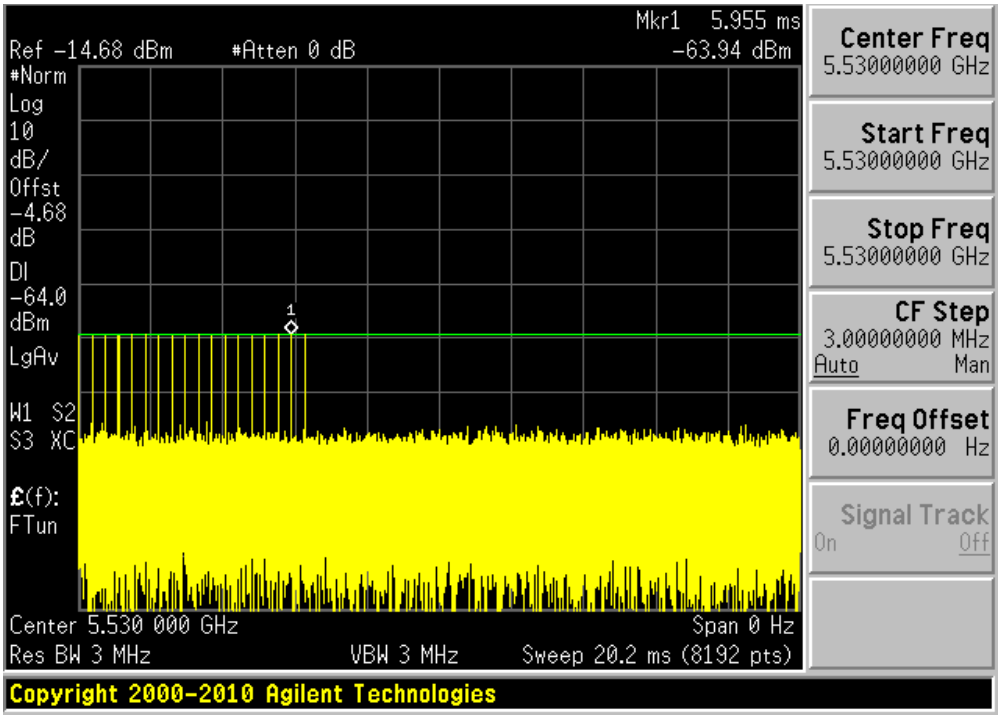
Radar Type 1B



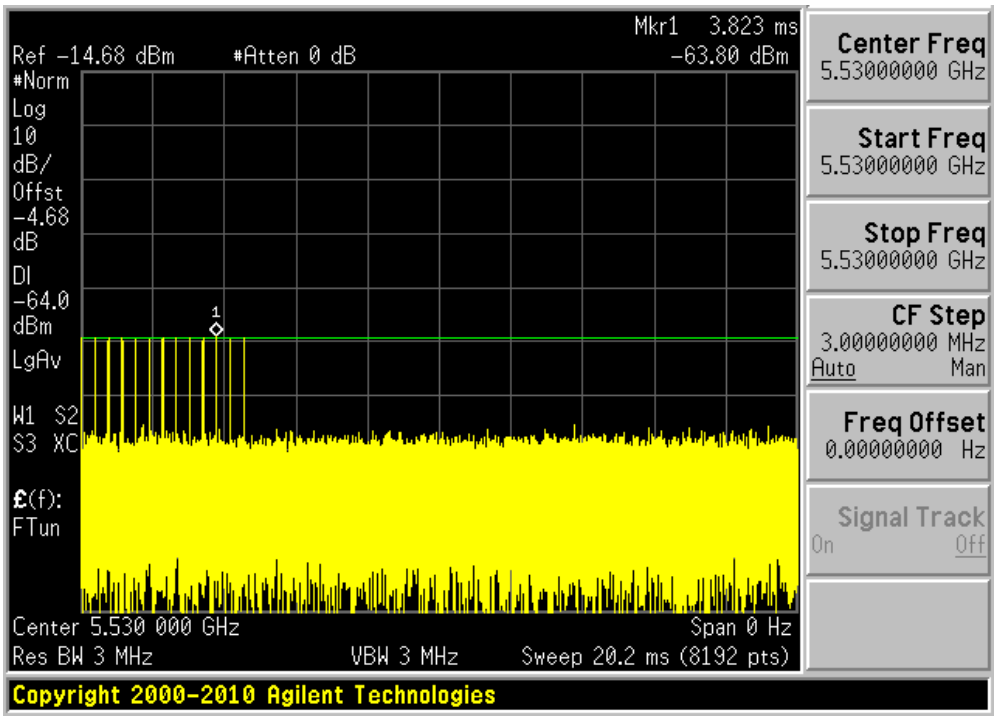
Radar Type 2



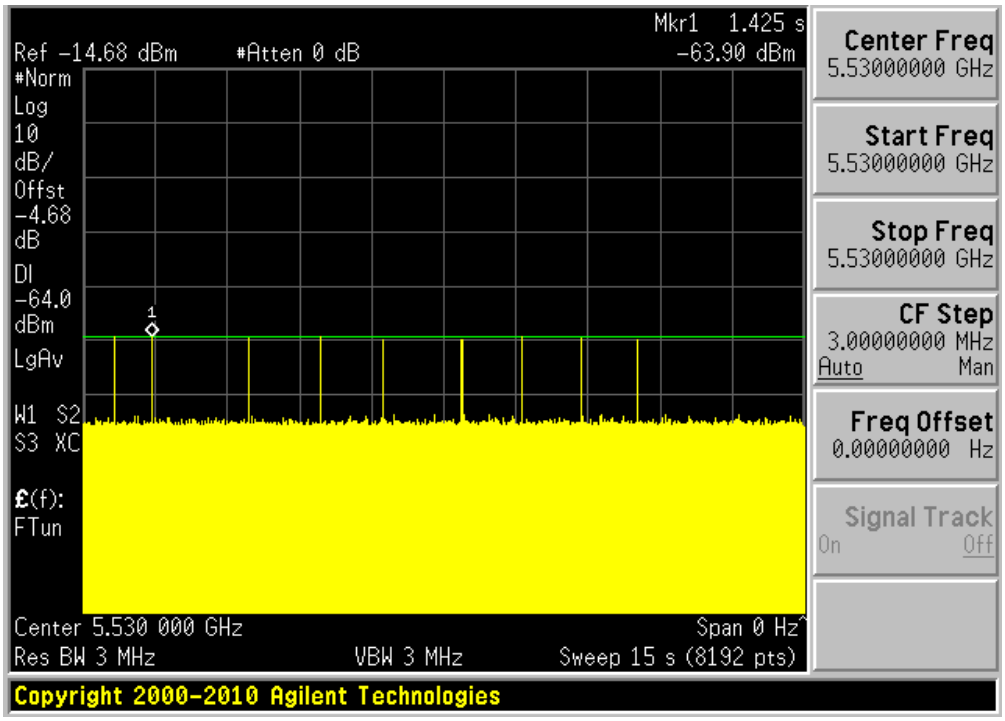
Radar Type 3



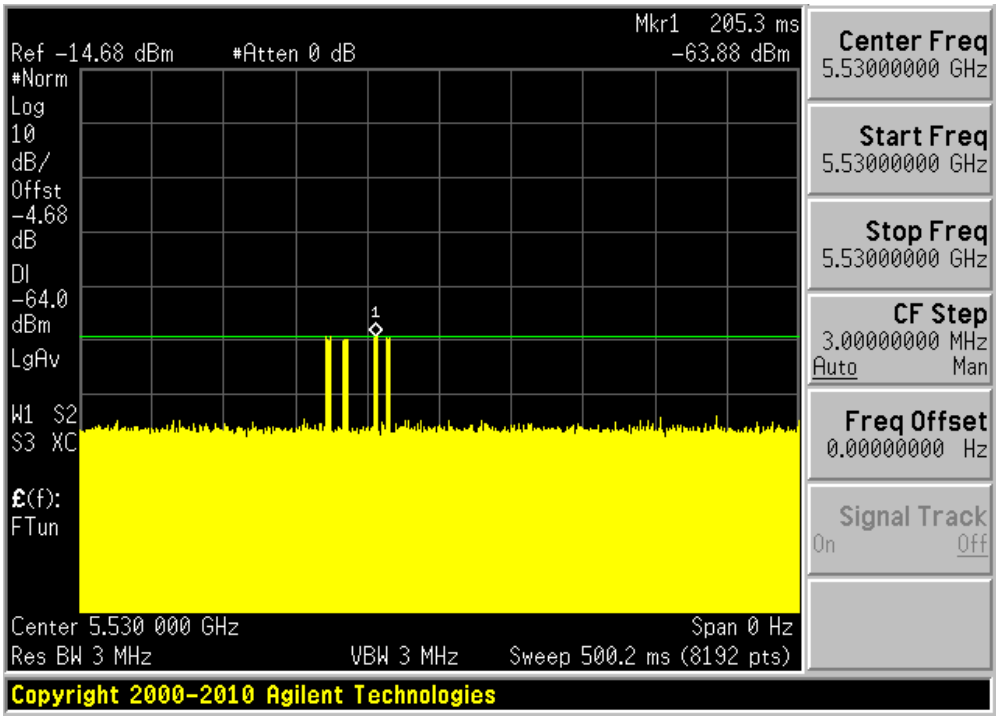
Radar Type 4



Radar Type 5



Radar Type 6



6 Channel Availability Check Time (CAC)

6.1 Test Procedure

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

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

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

EUT Initial power-up Cycle Time

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

CAC Total Time: 61 Seconds

Results:

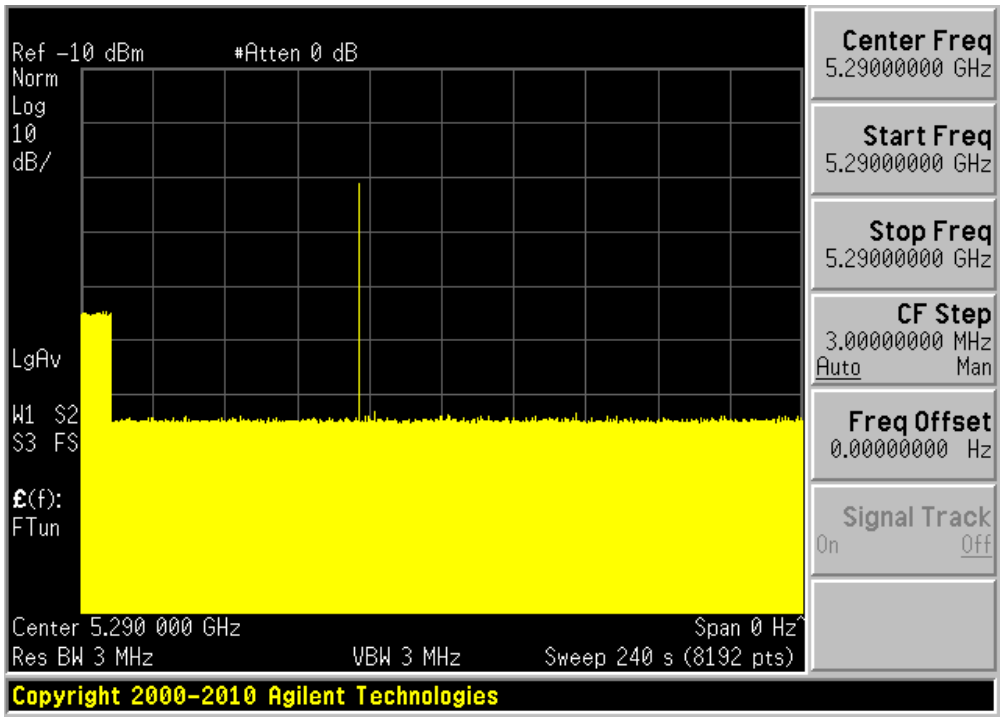
Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Transmission begin after power-up cycle +61 seconds CAC	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

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

6.2 Test Results

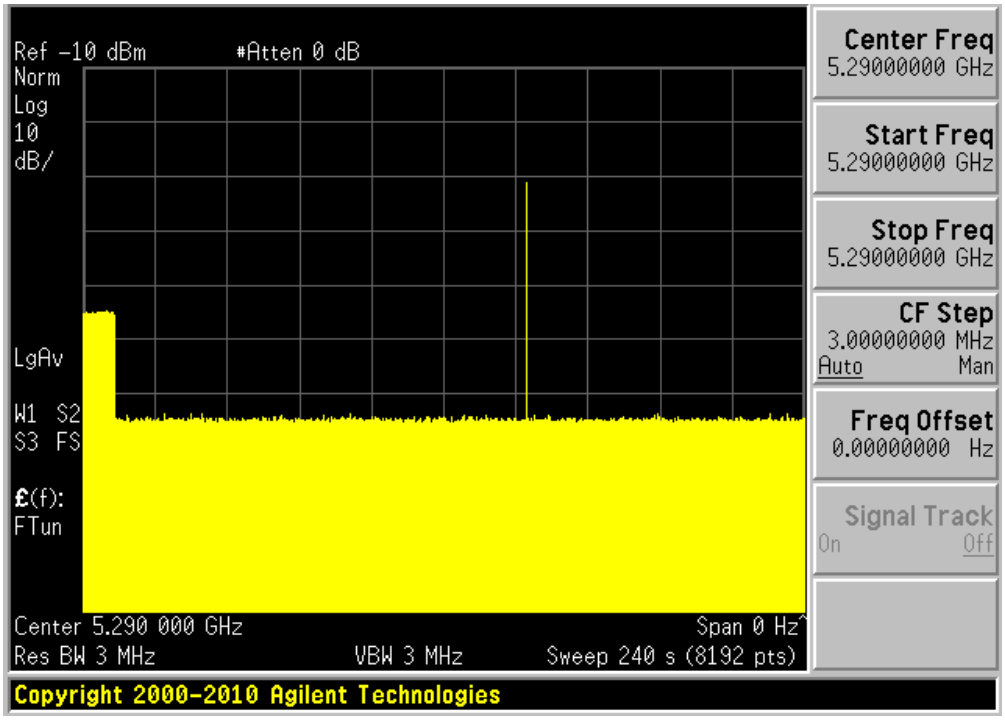
5290 MHz

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



No transmissions found after radar signal applied.

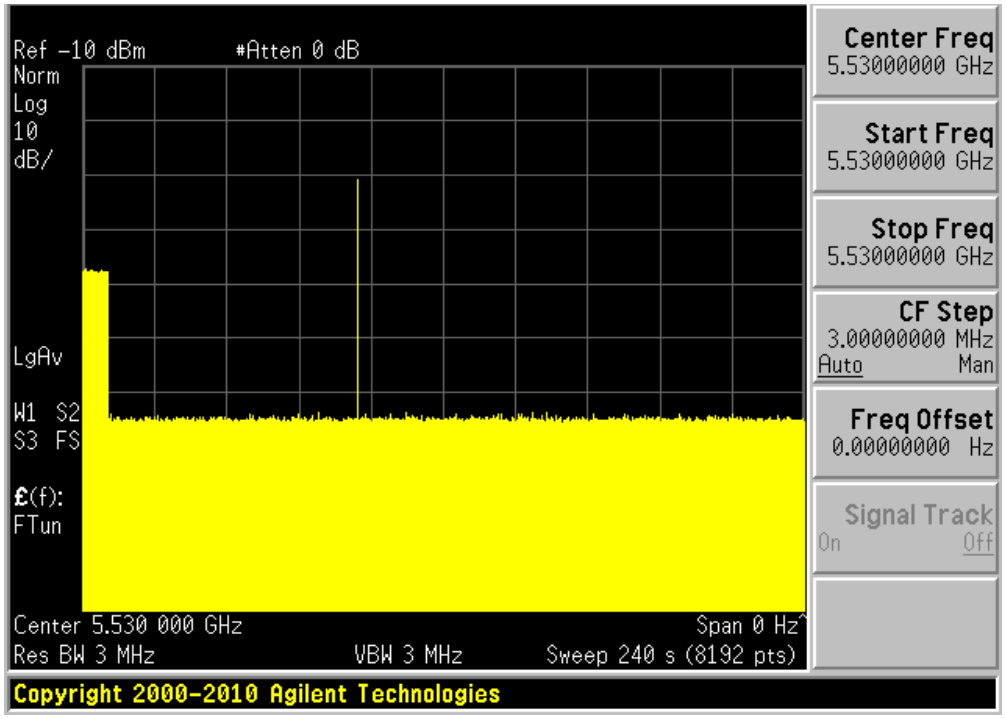
Plot of Radar signal applied at the end of 6 seconds of CAC



No transmissions found after radar signal applied.

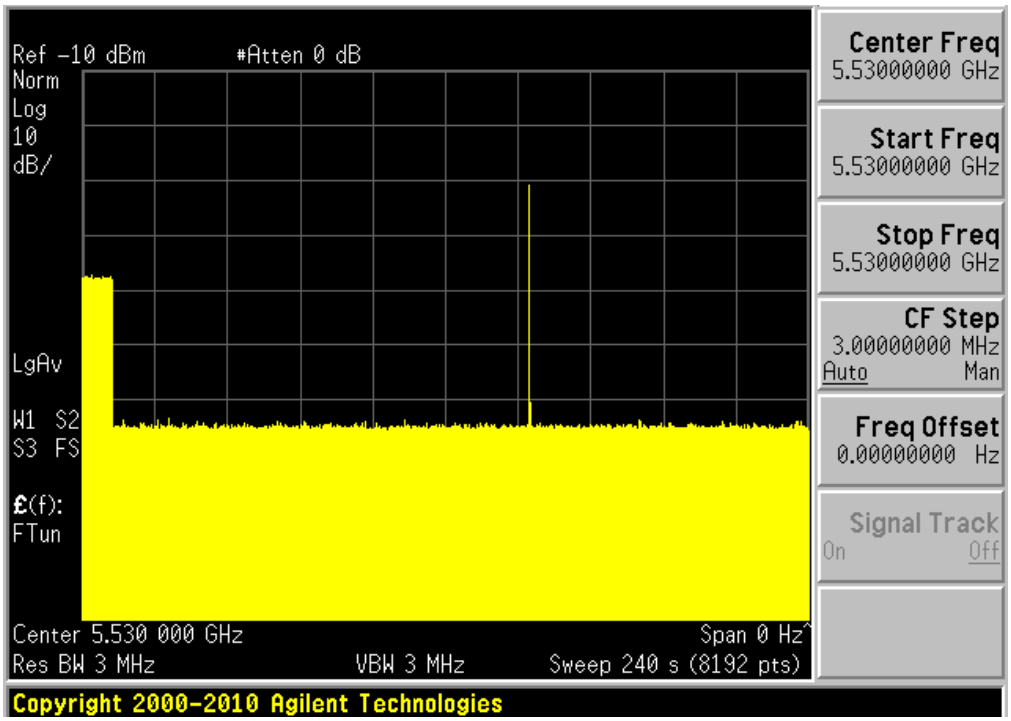
5530 MHz

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



No transmissions found after radar signal applied.

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



No transmissions found after radar signal applied.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

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

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N * Dwell Time

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

7.2 Test Results

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

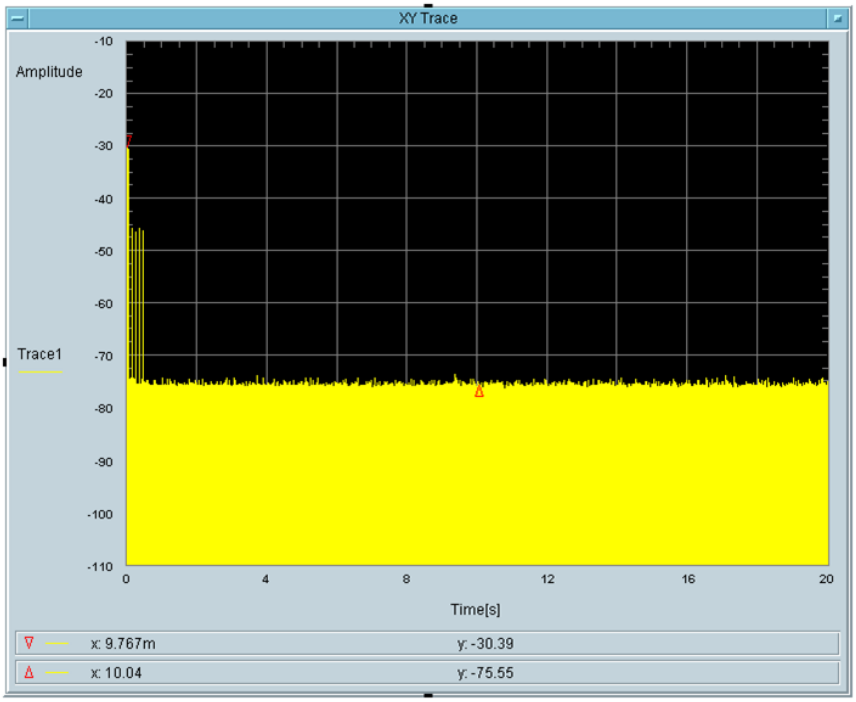
Please refer to the following tables and plots.

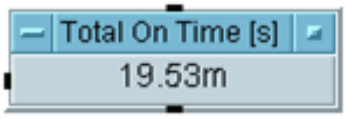
5290 MHz, Bandwidth 80 MHz

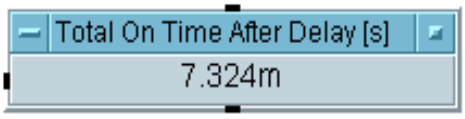
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
19.53+7.324	200+60	Pass

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





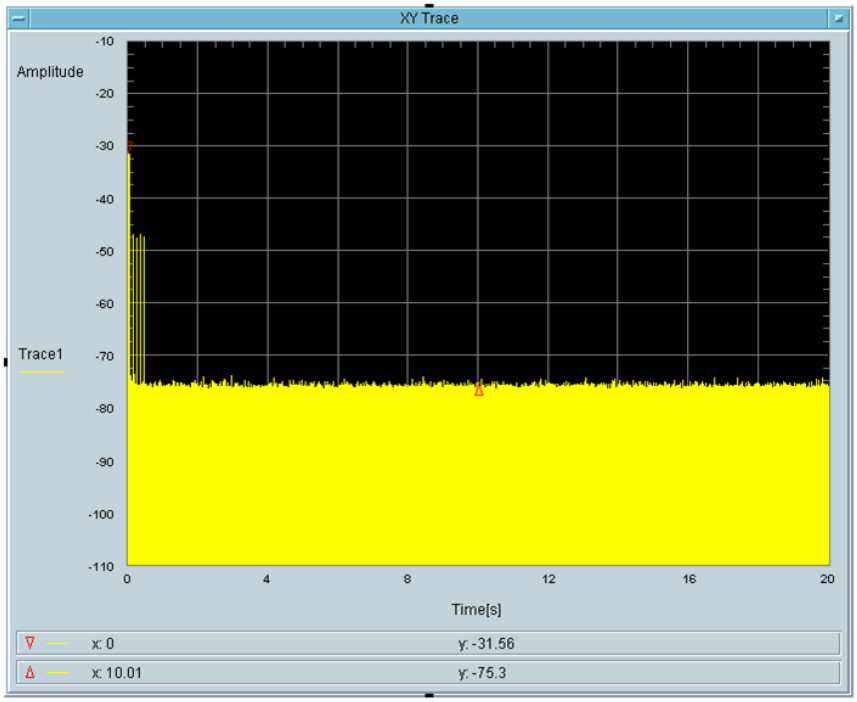


5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
24.41+12.21	200+60	Pass

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



8 Non-Occupancy Period

8.1 Test Procedure

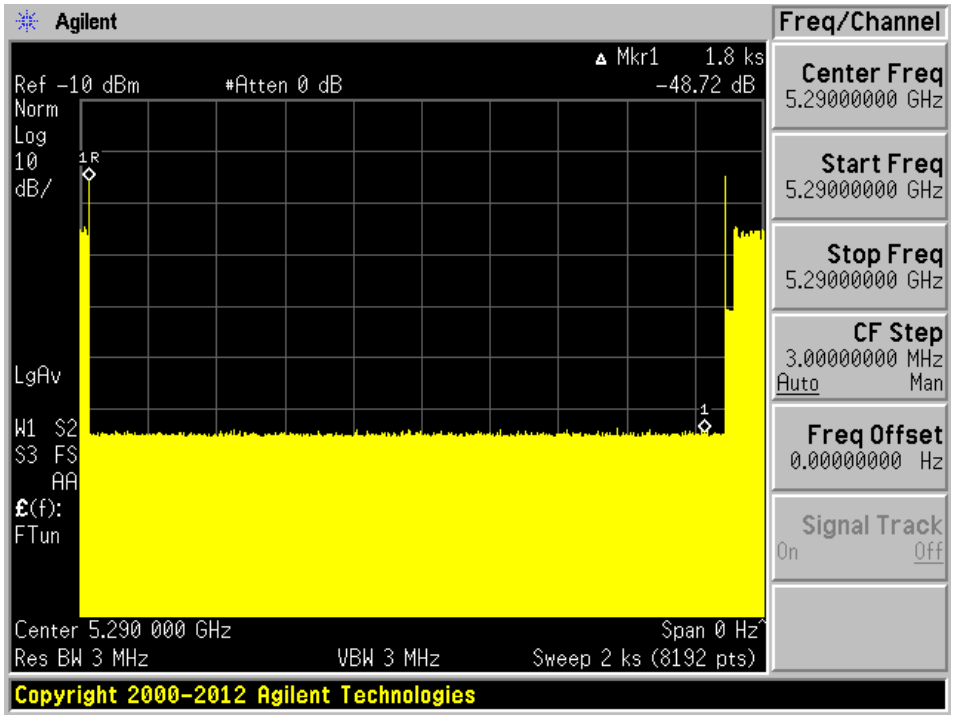
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Test Results

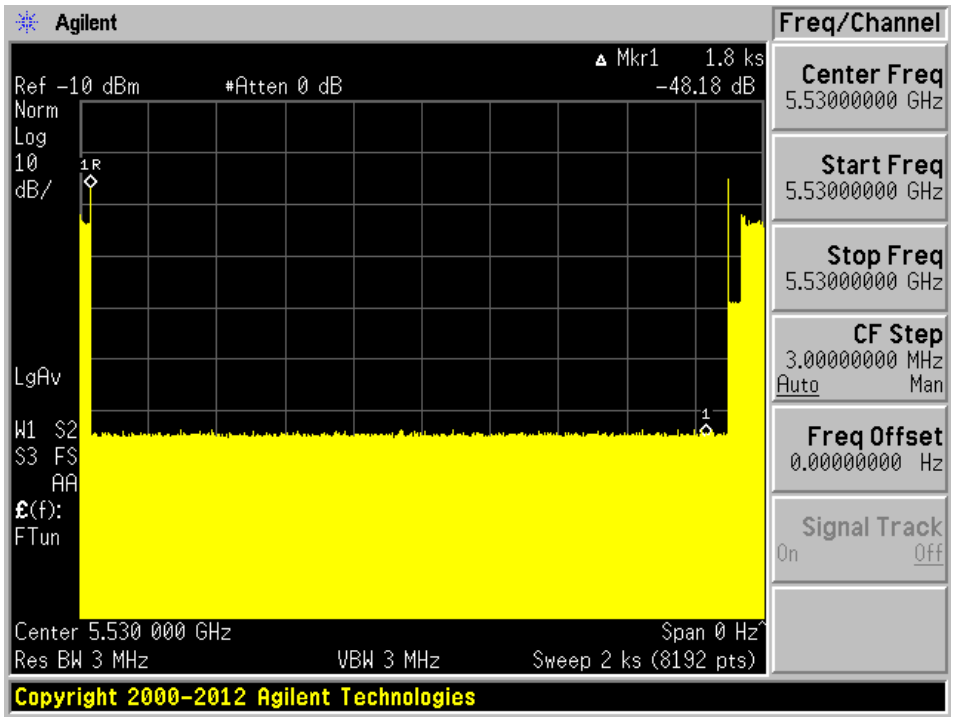
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5290	80	No transmission within 30 minutes
5530	80	No transmission within 30 minutes

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 any one of the short pulse radar waveforms type 0

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

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

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

Test Results

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5260	5250	5270	20	100%	Compliance
5270	5250	5290	40	100%	Compliance
5290	5250	5330	80	100%	Compliance
5500	5490	5510	20	100%	Compliance
5510	5490	5530	40	100%	Compliance
5530	5490	5570	80	100%	Compliance

Please refer to the following tables.

Results of Detection Bandwidth:

EUT Frequency = 5260 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5271	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5270-5250=20 MHz											
EUT 99% OBW = 17 MHz; 17 x 100% = 17 MHz **Result:** Pass											

EUT Frequency = 5500 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510 (F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5511	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 17 MHz; 17 x 100% = 17 MHz **Result:** Pass											

Results of Detection Bandwidth:

EUT Frequency = 5270 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5291	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5290-5250=40 MHz											
EUT 99% OBW = 37 MHz; 37 x 100% = 37 MHz **Result:** Pass											

EUT Frequency = 5510 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5531	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW = 37 MHz; 37 x 100% = 37 MHz **Result:** Pass											

Results of Detection Bandwidth:

EUT Frequency = 5290 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
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 = 76 MHz; 76 x 100% = 76 MHz **Result:** Pass											

EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 76 MHz; 76 x 100% = 76 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:

5260 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	96.67 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5260 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5260	67	1	798	1
2	5260	62	1	858	1
3	5260	72	1	738	1
4	5260	57	1	938	1
5	5260	99	1	538	1
6	5260	74	1	718	1
7	5260	89	1	598	1
8	5260	18	1	3066	1
9	5260	83	1	638	1
10	5260	65	1	818	1
11	5260	95	1	558	1
12	5260	68	1	778	1
13	5260	92	1	578	1
14	5260	58	1	918	1
15	5260	81	1	658	1
16	5260	33	1	1621	1
17	5260	24	1	2293	1
18	5260	60	1	894	1
19	5260	33	1	1639	1
20	5260	33	1	1617	1
21	5260	57	1	930	1
22	5260	21	1	2638	1
23	5260	75	1	705	1
24	5260	42	1	1264	1
25	5260	40	1	1329	1
26	5260	19	1	2881	1
27	5260	61	1	869	1
28	5260	21	1	2570	1
29	5260	43	1	1233	1
30	5260	24	1	2201	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	5260	28	3.4	215	1
2	5260	27	3.7	203	1
3	5260	27	1.1	221	1
4	5260	24	3.4	212	1
5	5260	26	2.3	165	1
6	5260	26	4.5	155	1
7	5260	25	2.1	201	1
8	5260	28	3.5	154	1
9	5260	23	1.3	225	1
10	5260	27	4.8	176	1
11	5260	24	2.5	224	1
12	5260	24	1.3	224	1
13	5260	24	1.5	210	1
14	5260	29	2.1	202	1
15	5260	28	4.2	198	1
16	5260	29	1.6	169	1
17	5260	27	2.9	174	1
18	5260	24	2.3	182	1
19	5260	27	2.1	210	1
20	5260	24	3.8	199	1
21	5260	27	3.1	169	1
22	5260	25	2.2	178	1
23	5260	26	1.6	155	1
24	5260	26	1	174	1
25	5260	25	2.9	162	1
26	5260	29	3.6	185	1
27	5260	27	2.1	206	1
28	5260	23	1	185	1
29	5260	23	2.6	209	1
30	5260	28	4.7	206	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	5260	17	6.9	426	1
2	5260	17	8.9	344	1
3	5260	17	9.3	259	1
4	5260	16	8.9	274	1
5	5260	18	6.5	395	1
6	5260	17	9.2	223	1
7	5260	17	8	252	1
8	5260	17	6.3	414	1
9	5260	17	7.6	240	1
10	5260	16	9.6	326	1
11	5260	16	8.8	469	1
12	5260	16	6.1	327	1
13	5260	17	7.1	208	1
14	5260	17	7	498	1
15	5260	17	9.4	210	1
16	5260	17	6.5	225	1
17	5260	18	9	240	1
18	5260	16	9.2	472	1
19	5260	17	7.9	498	1
20	5260	18	9.1	389	1
21	5260	17	7.8	324	1
22	5260	16	6.4	357	1
23	5260	17	7.4	240	1
24	5260	18	8.4	349	1
25	5260	16	7.3	386	1
26	5260	17	6.4	453	1
27	5260	17	7.2	223	1
28	5260	16	8.9	343	1
29	5260	16	9.3	285	1
30	5260	17	6.7	459	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	5260	14	14.9	495	1
2	5260	12	14.8	419	1
3	5260	16	14	287	1
4	5260	14	14.5	245	1
5	5260	13	16.2	378	1
6	5260	15	17.7	423	1
7	5260	15	16.8	250	1
8	5260	14	13.5	363	1
9	5260	14	12.5	487	1
10	5260	12	11.1	458	1
11	5260	16	14.2	333	1
12	5260	14	15	472	1
13	5260	15	17.2	415	1
14	5260	13	19.2	204	1
15	5260	15	18.4	481	1
16	5260	14	16.5	339	1
17	5260	13	11.5	347	1
18	5260	12	18.1	433	1
19	5260	12	12.6	400	1
20	5260	15	13.9	388	1
21	5260	12	14.7	429	1
22	5260	13	16.7	332	1
23	5260	14	11.9	350	1
24	5260	13	13.4	371	1
25	5260	12	17.7	263	1
26	5260	14	13.9	489	1
27	5260	13	19.1	454	1
28	5260	12	18.2	414	1
29	5260	13	16	423	1
30	5260	12	13.1	290	1
Detection Percentage: 100% (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5260	1
2	5260	1
3	5260	1
4	5260	1
5	5260	1
6	5260	1
7	5260	1
8	5260	1
9	5260	1
10	5260	1
11	5253.5	1
12	5258.7	1
13	5255.9	1
14	5257.1	1
15	5255.5	1
16	5258.3	1
17	5259.1	1
18	5254.3	1
19	5257.5	1
20	5258.7	0
21	5263.2	1
22	5266.0	1
23	5266.8	1
24	5262.4	1
25	5262.4	1
26	5263.6	1
27	5262.8	1
28	5266.8	1
29	5264.4	1
30	5264.8	1
Detection Percentage: 96.67 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	86.7	1375		0.869648	1
1	2	13	78.4	1913		1.642342	
2	3	13	66.1	1831	1280	3.062513	
3	1	13	66.9			3.689025	
4	2	13	99.3	1892		4.476039	
5	1	13	67.6			5.616041	
6	3	13	86.2	1236	1426	7.379374	
7	1	13	72.1			8.453494	
8	2	13	77.3	1408		8.948102	
9	2	13	98.5	1740		10.440719	
10	1	13	87.4			11.113846	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	62.3	1688		0.53016	1
1	1	10	73.2			2.011306	
2	3	10	54.3	1454	1011	3.481256	
3	2	10	99.2	1292		3.992416	
4	3	10	58.6	1061	1209	5.056299	
5	1	10	98.7			6.806115	
6	3	10	68.2	1461	1495	7.231069	
7	2	10	53.6	1295		8.995236	
8	2	10	82	1052		10.319867	
9	3	10	67.6	1681	1725	11.283985	

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	76.8			0.542159	1
1	2	10	97.2	1157		2.942657	
2	3	10	86	1710	1597	4.284025	
3	2	10	53.4	1741		4.795515	
4	2	10	91.4	1424		6.534056	
5	3	10	66.7	1987	1912	7.958746	
6	3	10	74.5	1858	1781	9.896377	
7	1	10	83.8			11.704771	

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	11	59	1246		0.109448	1
1	3	11	76	1141	1620	1.655166	
2	2	11	89.4	1866		2.555999	
3	2	11	78.2	1393		3.466596	
4	2	11	61.6	1315		3.721855	
5	2	11	63.3	1348		4.983082	
6	1	11	54.4			6.289331	
7	1	11	86.5			7.173988	
8	2	11	88.1	1578		8.024701	
9	2	11	73.9	1998		8.863813	
10	2	11	63.8	1516		9.681859	
11	3	11	79.2	1773	1805	10.321305	
12	3	11	82.6	1357	1234	11.094195	

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	78.9			0.29411	1
1	3	7	94.8	1418	1249	0.612585	
2	2	7	61.7	1156		1.601372	
3	2	7	58.2	1119		1.972889	
4	1	7	98.5			2.576782	
5	3	7	68.4	1809	1243	3.191023	
6	2	7	88.4	1911		3.81787	
7	3	7	53.5	1011	1759	4.510783	
8	1	7	63.9			5.32798	
9	3	7	75.6	1508	1651	5.771449	
10	1	7	94.9			6.073582	
11	2	7	50.7	1803		7.149217	
12	2	7	72.7	1958		7.692036	
13	2	7	68.6	1590		8.378658	
14	2	7	87.6	1615		8.462852	
15	1	7	94.9			9.125919	
16	2	7	89.4	1045		10.052934	
17	1	7	72.3			10.285643	
18	3	7	56.3	1416	1669	11.270328	
19	3	7	77.1	1153	1524	11.728668	

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	53.7			0.794907	1
1	1	7	80.8			1.454641	
2	2	7	77.7	1148		2.802706	
3	3	7	84.3	1897	1785	3.831615	
4	3	7	98.8	1175	1268	5.372279	
5	3	7	77.3	1413	1968	5.814663	
6	2	7	71.8	1109		7.339419	
7	3	7	66.5	1978	1514	7.782822	
8	2	7	63.7	1644		9.257335	
9	3	7	87.6	1839	1922	9.901068	
10	2	7	94.8	1981		11.696581	

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	11	67.4			0.078633	
1	2	11	91.5	1832		1.507853	
2	3	11	93.4	1345	1093	3.478229	
3	1	11	99.4			4.713915	
4	2	11	58.5	1588		6.448115	1
5	2	11	79.8	1249		7.59357	
6	2	11	92.9	1105		8.236623	
7	2	11	63.1	1550		10.190748	
8	2	11	69.3	1905		11.772641	

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	86.7	1807		0.41422	
1	2	12	98	1458		0.723441	
2	1	12	96.8			1.269609	
3	2	12	67.7	1768		2.28804	
4	2	12	78.2	1992		2.764103	
5	2	12	58.3	1145		3.583864	
6	2	12	53.7	1198		4.066277	
7	2	12	72.1	1058		4.791901	
8	2	12	98.6	1660		5.518437	
9	3	12	94	1339	1029	5.938495	0
10	2	12	99.5	1504		6.326055	
11	2	12	93.2	1073		7.297229	
12	3	12	84.4	1027	1342	8.005064	
13	2	12	51.4	1673		8.744446	
14	2	12	81.9	1108		8.90249	
15	2	12	77.9	1837		10.033817	
16	2	12	97.5	1691		10.31255	
17	2	12	50.2	1212		10.864897	
18	1	12	51.2			11.55982	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	66.5			0.698386	
1	2	12	74.2	1152		0.95668	
2	1	12	83.8			1.8007	
3	2	12	64.7	1774		2.732984	
4	2	12	87.2	1340		3.30434	
5	2	12	89.1	1495		3.817957	
6	2	12	56.3	1633		4.861373	
7	3	12	96.2	1717	1493	5.6139	
8	1	12	55.3			5.955788	1
9	1	12	53.1			6.867305	
10	2	12	77.2	1622		7.733258	
11	3	12	66.4	1073	1942	8.317878	
12	1	12	92.3			9.165224	
13	2	12	52.6	1923		9.460647	
14	3	12	71.4	1180	1659	10.218921	
15	1	12	87.3			11.122744	
16	3	12	95.2	1591	1559	11.364652	

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	16	54.4	1746		0.084875	
1	2	16	89.2	1615		1.325513	
2	2	16	98.8	1004		1.938846	
3	3	16	76.5	1214	1472	2.886271	
4	3	16	71.9	1652	1083	4.246991	
5	2	16	50	1637		5.022462	
6	3	16	69.8	1654	1713	6.003075	1
7	2	16	84.4	1531		6.990619	
8	2	16	86.2	1387		7.738555	
9	2	16	67.5	1922		8.32885	
10	1	16	74.2			9.986334	
11	3	16	56.3	1590	1618	10.888645	
12	3	16	60.7	1451	1479	11.145779	

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	5	93.7	1220		0.084913	
1	3	5	96.2	1355	1984	1.166053	
2	2	5	51.6	1556		2.114579	
3	1	5	67.5			2.716009	
4	2	5	68.1	1340		3.266975	
5	2	5	53.6	1457		4.701171	
6	3	5	64.5	1237	1520	5.339574	
7	3	5	69	1409	1279	5.674364	1
8	1	5	54.7			6.555415	
9	3	5	77.7	1087	1792	7.67048	
10	1	5	84.4			8.227517	
11	1	5	80.2			9.323474	
12	1	5	97			9.803374	
13	2	5	53.1	1044		10.759029	
14	1	5	59.8			11.827338	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	51.7	1995		0.146024	
1	3	18	79.4	1596	1195	1.638498	
2	3	18	98.8	1171	1625	2.007835	
3	3	18	95.5	1506	1233	3.986136	
4	3	18	94.5	1245	1832	4.203579	
5	2	18	78.3	1141		5.421793	
6	2	18	91.4	1016		6.907327	1
7	1	18	75.7			7.723313	
8	1	18	82.7			8.168586	
9	2	18	95	1589		9.192425	
10	2	18	88.8	1651		10.917003	
11	3	18	54.7	1421	1350	11.461489	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	66.9			0.908683	
1	2	11	94.6	1664		1.600132	
2	2	11	95.6	1786		2.175154	
3	2	11	63.8	1328		3.630814	
4	3	11	62.2	1282	1367	4.514197	
5	1	11	93			5.198453	
6	2	11	97.3	1768		6.362274	1
7	3	11	54.5	1941	1409	7.304381	
8	2	11	72.1	1945		8.097183	
9	1	11	81.2			8.485051	
10	2	11	51.9	1228		9.327602	
11	1	11	98.2			10.689504	
12	3	11	58	1077	1201	11.176859	

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	95.7			0.666361	
1	3	14	74.1	1982	1952	0.981696	
2	2	14	99.7	1704		2.066673	
3	2	14	71.9	1891		3.097263	
4	3	14	62.6	1570	1787	3.261795	
5	3	14	64.5	1649	1313	4.682418	
6	2	14	68.8	1695		4.983691	
7	3	14	89.1	1860	1179	6.09431	1
8	2	14	71.1	1037		6.87992	
9	2	14	71.4	1346		7.817804	
10	2	14	92.3	1210		8.606282	
11	2	14	99.1	1891		9.55342	
12	2	14	53.8	1555		10.230599	
13	1	14	69.8			11.173042	
14	2	14	76.7	1121		11.443756	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	66.4	1489	1485	0.322031	1
1	2	10	78	1607		1.821205	
2	3	10	90.2	1873	1799	2.382181	
3	2	10	60.6	1525		3.701969	
4	2	10	78.2	1547		4.617974	
5	2	10	91.1	1626		5.660355	
6	1	10	56.6			6.875421	
7	2	10	58.9	1447		7.717267	
8	2	10	89.7	1304		8.053008	
9	2	10	58.3	1371		9.570716	
10	2	10	50.3	1344		10.779812	
11	2	10	75.7	1965		11.732475	

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	17	58.9	1567	1080	0.357067	1
1	2	17	50.8	1692		1.016421	
2	2	17	79.2	1904		1.461513	
3	3	17	84.9	1496	1713	2.617562	
4	2	17	82.6	1515		3.395564	
5	2	17	72.1	1880		3.640204	
6	2	17	83.7	1269		4.75534	
7	3	17	82.5	1577	1477	5.159924	
8	1	17	92.5			6.054945	
9	3	17	67.2	1937	1105	6.359024	
10	2	17	98.8	1057		7.247186	
11	2	17	75.6	1526		8.213726	
12	3	17	98.8	1951	1330	8.554435	
13	2	17	59.5	1186		9.76213	
14	2	17	88.8	1765		10.209502	
15	2	17	62.7	1713		11.22805	
16	2	17	79	1199		11.91034	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	93.8			0.683244	1
1	3	19	65.3	1328	1075	1.200028	
2	3	19	53.8	1242	1890	2.219411	
3	1	19	71.8			2.846288	
4	2	19	56.3	1700		3.522758	
5	2	19	59.9	1737		3.843162	
6	2	19	83.1	1219		5.052199	
7	3	19	64.6	1900	1840	5.348196	
8	3	19	66.9	1489	1269	6.299084	
9	2	19	95.2	1429		7.061048	
10	2	19	87.1	1599		7.657836	
11	2	19	55.6	1910		8.927022	
12	1	19	88.7			9.05032	
13	3	19	62.6	1150	1986	10.283078	
14	3	19	80.2	1113	1948	10.794524	
15	2	19	84.5	1825		11.755969	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	86.3			0.227837	1
1	2	7	86	1691		1.2165	
2	3	7	90.9	1728	1993	2.426687	
3	1	7	57.3			3.302461	
4	1	7	55.6			4.333573	
5	2	7	77.9	1850		5.035455	
6	2	7	91.8	1061		5.910178	
7	1	7	80.6			7.353564	
8	1	7	52.7			8.04575	
9	3	7	82.2	1995	1263	8.811083	
10	1	7	53.5			9.408758	
11	2	7	66	1051		10.941071	
12	1	7	53.9			11.171165	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	55.9	1140	1717	0.313858	1
1	3	15	53.7	1885	1423	0.901454	
2	2	15	76	1571		1.70614	
3	2	15	57.1	1397		2.318871	
4	1	15	98.2			3.079415	
5	2	15	75.6	1690		3.54786	
6	1	15	83			4.441909	
7	2	15	93.9	1959		4.901147	
8	1	15	58.1			5.39507	
9	2	15	73.4	1683		6.462287	
10	3	15	63.3	1107	1445	7.097756	
11	3	15	59.6	1064	1533	7.570024	
12	2	15	94.5	1473		8.593171	
13	2	15	91.1	1423		8.822538	
14	1	15	87.1			9.372495	
15	1	15	83.8			10.420212	
16	2	15	67.3	1034		11.11222	
17	2	15	76.5	1658		11.904483	

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	18	97.3	1013		0.491138	0
1	3	18	80.1	1575	1319	1.246469	
2	2	18	69	1739		2.483495	
3	3	18	54.1	1058	1578	3.305038	
4	1	18	86.9			3.876119	
5	2	18	72.4	1103		4.912657	
6	2	18	75.4	1661		5.660101	
7	2	18	78.1	1255		6.984649	
8	3	18	79	1746	1989	7.921142	
9	2	18	77.6	1491		8.58744	
10	2	18	83.9	1995		10.100027	
11	3	18	79.5	1811	1239	10.994199	
12	1	18	82			11.732304	

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	17	56.6			0.966608	1
1	3	17	66.2	1946	1725	1.807698	
2	2	17	51.2	1996		3.168972	
3	1	17	88.8			4.188335	
4	2	17	64.2	1900		5.87156	
5	3	17	86.6	1325	1002	7.050276	
6	2	17	75.7	1380		8.272628	
7	3	17	82.2	1270	1781	9.41173	
8	1	17	72			9.645807	
9	2	17	66.9	1372		10.865564	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	62.6			0.593152	1
1	3	10	68	1073	1087	1.821081	
2	2	10	50.2	1638		2.407232	
3	3	10	73	1785	1409	3.209216	
4	1	10	90			3.850397	
5	2	10	64.6	1375		4.706848	
6	1	10	87.1			5.934634	
7	2	10	91.5	1549		6.614321	
8	2	10	68.1	1324		8.053044	
9	2	10	72.8	1347		9.057377	
10	1	10	50.2			10.100455	
11	3	10	94.1	1792	1731	10.666868	
12	2	10	80.3	1765		11.111138	

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	8	81.3	1686		0.887035	1
1	3	8	87.4	1491	1050	1.327389	
2	2	8	58.4	1572		2.883517	
3	3	8	56.7	1204	1159	4.703804	
4	1	8	53.7			5.668271	
5	1	8	82			6.912537	
6	2	8	85.5	1569		8.130749	
7	3	8	53	1967	1715	8.427635	
8	3	8	88.1	1421	1568	9.843432	
9	3	8	75.7	1027	1704	11.688916	

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	19	66.6	1584		0.618946	1
1	3	19	56.4	1229	1978	1.429914	
2	1	19	50.5			3.172196	
3	2	19	91.9	1858		4.033153	
4	3	19	91.1	1261	1819	5.201691	
5	3	19	80	1199	1264	6.762476	
6	2	19	90.2	1519		8.10841	
7	2	19	67.7	1132		8.536306	
8	2	19	50.8	1668		10.690481	
9	1	19	93.3			11.861809	

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	67	1631		0.895155	1
1	2	19	70.8	1746		2.5599	
2	3	19	85.2	1723	1916	2.745306	
3	2	19	50.8	1737		5.315504	
4	1	19	87			5.445822	
5	2	19	76	1206		7.629368	
6	2	19	57.8	1695		8.25263	
7	2	19	50.3	1784		10.114287	
8	3	19	95.6	1486	1794	11.1973	

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	50.6	1600		0.841097	1
1	2	16	68.8	1464		2.339592	
2	2	16	69.3	1040		4.241614	
3	3	16	50.9	1336	1021	5.50527	
4	2	16	94.7	1266		7.280892	
5	2	16	68.3	1698		7.561493	
6	1	16	98.7			9.6916	
7	2	16	85.2	1813		11.562359	

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	18	92.5	1157	1630	0.140303	
1	2	18	55.4	1304		1.206792	
2	2	18	87.2	1198		1.85502	
3	2	18	63.8	1106		2.118943	
4	1	18	77			3.413005	
5	1	18	69.9			3.900942	
6	2	18	53.6	1726		4.313667	
7	1	18	77.6			5.079665	
8	2	18	86.6	1880		5.975678	1
9	2	18	78.4	1418		6.875602	
10	2	18	79.7	1037		7.522799	
11	2	18	83.8	1611		8.054963	
12	1	18	65.4			8.774865	
13	2	18	53.4	1767		9.475796	
14	2	18	75.3	1356		10.360568	
15	1	18	68.8			11.283533	
16	3	18	73	1194	1022	11.443277	

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	8	94	1903		1.131343	
1	2	8	53.1	2000		1.46741	
2	1	8	56.7			3.294395	
3	2	8	92.3	1886		5.046737	
4	3	8	89.4	1409	1770	5.685755	1
5	2	8	93.8	1957		6.995618	
6	1	8	97.5			8.843497	
7	2	8	85.4	1353		9.527237	
8	2	8	98.2	1549		10.824025	

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	14	95.2	1106	1223	0.743658	1
1	2	14	52.8	1703		1.488634	
2	3	14	60.8	1811	1383	2.116881	
3	2	14	84.5	1676		3.593799	
4	3	14	94.6	1051	1078	4.742756	
5	1	14	98.5			5.033299	
6	3	14	60.3	1582	1155	6.190438	
7	2	14	96.4	1583		7.411748	
8	2	14	71.1	1140		8.493082	
9	3	14	87.6	1590	1270	9.070574	
10	3	14	95.6	1597	1397	10.643763	
11	2	14	90	1232		11.612334	

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	13	96.7	1797		0.565656	1
1	3	13	86.3	1005	1542	0.955632	
2	2	13	98.1	1990		1.605444	
3	3	13	80.2	1301	1478	2.254544	
4	2	13	83.9	1309		3.463146	
5	1	13	70.5			3.708304	
6	2	13	80.4	1363		4.454927	
7	2	13	77	1457		5.135927	
8	2	13	60.8	1076		6.113635	
9	2	13	83.1	1278		6.660047	
10	2	13	58.1	1739		7.737082	
11	3	13	96.2	1434	1398	7.99355	
12	2	13	99.4	1969		8.728465	
13	2	13	62.2	1663		9.713591	
14	3	13	69.9	1595	1540	10.433568	
15	3	13	65.4	1386	1512	10.672679	
16	2	13	64.7	1999		11.867652	

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	5260	9	1	333	1	5372.0, 5691.0, 5700.0, 5551.0, 5566.0, 5259.0, 5299.0, 5541.0, 5617.0, 5437.0, 5553.0, 5517.0, 5332.0, 5564.0, 5362.0, 5531.0, 5568.0, 5616.0, 5344.0, 5405.0, 5535.0, 5470.0, 5633.0, 5689.0, 5335.0, 5667.0, 5626.0, 5390.0, 5285.0, 5477.0, 5412.0, 5409.0, 5670.0, 5504.0, 5607.0, 5678.0, 5592.0, 5499.0, 5587.0, 5552.0, 5543.0, 5314.0, 5642.0, 5574.0, 5634.0, 5512.0, 5480.0, 5696.0, 5346.0, 5411.0, 5715.0, 5604.0, 5374.0, 5385.0, 5475.0, 5544.0, 5456.0, 5354.0, 5481.0, 5687.0, 5393.0, 5333.0, 5280.0, 5426.0, 5514.0, 5540.0, 5361.0, 5637.0, 5384.0, 5351.0, 5684.0, 5386.0, 5265.0, 5492.0, 5614.0, 5460.0, 5479.0, 5447.0, 5704.0, 5408.0, 5600.0, 5435.0, 5654.0, 5602.0, 5608.0, 5418.0, 5380.0, 5339.0, 5315.0, 5443.0, 5303.0, 5334.0, 5424.0, 5545.0, 5707.0, 5507.0, 5625.0, 5264.0, 5360.0, 5489.0 (number of hits: 3)
2	5260	9	1	333	1	5330.0, 5372.0, 5414.0, 5694.0, 5306.0, 5615.0, 5576.0, 5433.0, 5419.0, 5599.0, 5577.0, 5415.0, 5674.0, 5490.0, 5504.0, 5421.0, 5686.0, 5567.0, 5698.0, 5580.0, 5617.0, 5668.0, 5251.0, 5593.0, 5395.0, 5695.0, 5356.0, 5720.0, 5612.0, 5358.0, 5331.0, 5483.0, 5493.0, 5713.0, 5446.0, 5282.0, 5332.0, 5340.0, 5309.0, 5411.0, 5261.0, 5657.0, 5456.0, 5633.0, 5388.0, 5531.0, 5540.0, 5534.0, 5575.0, 5565.0, 5286.0, 5416.0, 5591.0, 5466.0, 5283.0, 5279.0, 5450.0, 5518.0, 5438.0, 5515.0, 5646.0, 5553.0, 5385.0, 5563.0, 5378.0, 5678.0, 5269.0, 5669.0, 5347.0, 5628.0, 5719.0, 5436.0, 5638.0, 5280.0, 5373.0, 5383.0, 5609.0, 5559.0, 5462.0, 5342.0, 5338.0, 5616.0, 5717.0, 5525.0, 5366.0, 5555.0, 5285.0, 5522.0, 5627.0, 5650.0, 5455.0, 5465.0, 5315.0, 5715.0, 5645.0, 5439.0, 5552.0, 5548.0, 5430.0, 5688.0 (number of hits: 3)
3	5260	9	1	333	1	5651.0, 5676.0, 5467.0, 5284.0, 5644.0, 5256.0, 5711.0, 5622.0, 5591.0, 5265.0, 5632.0, 5395.0, 5343.0, 5400.0, 5691.0, 5301.0, 5620.0, 5264.0, 5476.0, 5363.0, 5323.0, 5378.0, 5366.0, 5536.0, 5359.0, 5305.0, 5569.0, 5626.0, 5333.0, 5497.0, 5389.0, 5529.0, 5614.0, 5635.0, 5365.0, 5717.0, 5588.0, 5367.0, 5430.0, 5413.0, 5628.0, 5649.0, 5557.0, 5574.0, 5252.0, 5387.0, 5398.0, 5376.0, 5572.0, 5322.0, 5533.0, 5391.0, 5460.0, 5399.0, 5369.0, 5504.0, 5405.0, 5675.0, 5260.0, 5722.0,

						5548.0, 5280.0, 5623.0, 5429.0, 5324.0, 5446.0, 5575.0, 5634.0, 5464.0, 5637.0, 5428.0, 5474.0, 5678.0, 5512.0, 5353.0, 5680.0, 5304.0, 5517.0, 5701.0, 5477.0, 5331.0, 5653.0, 5309.0, 5421.0, 5285.0, 5538.0, 5723.0, 5566.0, 5286.0, 5297.0, 5384.0, 5356.0, 5491.0, 5299.0, 5525.0, 5278.0, 5409.0, 5520.0, 5350.0, 5330.0 (number of hits: 5)
4	5260	9	1	333	1	5472.0, 5565.0, 5446.0, 5639.0, 5613.0, 5394.0, 5450.0, 5350.0, 5377.0, 5621.0, 5467.0, 5532.0, 5710.0, 5695.0, 5304.0, 5576.0, 5339.0, 5680.0, 5722.0, 5317.0, 5385.0, 5458.0, 5393.0, 5628.0, 5434.0, 5278.0, 5301.0, 5257.0, 5253.0, 5556.0, 5358.0, 5577.0, 5499.0, 5291.0, 5601.0, 5675.0, 5593.0, 5432.0, 5519.0, 5581.0, 5396.0, 5498.0, 5364.0, 5435.0, 5372.0, 5412.0, 5641.0, 5688.0, 5617.0, 5334.0, 5296.0, 5549.0, 5464.0, 5260.0, 5322.0, 5691.0, 5337.0, 5414.0, 5718.0, 5717.0, 5610.0, 5308.0, 5594.0, 5480.0, 5486.0, 5564.0, 5698.0, 5401.0, 5684.0, 5400.0, 5410.0, 5328.0, 5657.0, 5454.0, 5397.0, 5537.0, 5363.0, 5493.0, 5712.0, 5705.0, 5325.0, 5484.0, 5490.0, 5612.0, 5313.0, 5711.0, 5652.0, 5649.0, 5592.0, 5431.0, 5699.0, 5356.0, 5636.0, 5690.0, 5550.0, 5295.0, 5707.0, 5715.0, 5512.0, 5553.0 (number of hits: 3)
5	5260	9	1	333	1	5532.0, 5676.0, 5575.0, 5533.0, 5596.0, 5456.0, 5613.0, 5585.0, 5661.0, 5606.0, 5722.0, 5709.0, 5339.0, 5472.0, 5594.0, 5411.0, 5504.0, 5564.0, 5439.0, 5711.0, 5334.0, 5703.0, 5279.0, 5530.0, 5470.0, 5310.0, 5542.0, 5520.0, 5568.0, 5481.0, 5358.0, 5462.0, 5253.0, 5384.0, 5724.0, 5378.0, 5672.0, 5386.0, 5545.0, 5260.0, 5381.0, 5695.0, 5476.0, 5372.0, 5344.0, 5588.0, 5347.0, 5360.0, 5389.0, 5305.0, 5465.0, 5527.0, 5436.0, 5623.0, 5405.0, 5285.0, 5447.0, 5446.0, 5451.0, 5487.0, 5651.0, 5679.0, 5707.0, 5653.0, 5507.0, 5601.0, 5478.0, 5698.0, 5312.0, 5393.0, 5552.0, 5292.0, 5691.0, 5286.0, 5537.0, 5314.0, 5361.0, 5259.0, 5611.0, 5556.0, 5618.0, 5394.0, 5550.0, 5274.0, 5304.0, 5333.0, 5406.0, 5686.0, 5329.0, 5277.0, 5272.0, 5577.0, 5369.0, 5511.0, 5619.0, 5418.0, 5368.0, 5383.0, 5712.0, 5640.0 (number of hits: 3)
6	5260	9	1	333	1	5531.0, 5282.0, 5321.0, 5565.0, 5265.0, 5326.0, 5462.0, 5365.0, 5415.0, 5686.0, 5607.0, 5270.0, 5633.0, 5376.0, 5410.0, 5502.0, 5260.0, 5255.0, 5457.0, 5661.0, 5622.0, 5717.0, 5513.0, 5279.0, 5443.0, 5396.0, 5551.0, 5598.0, 5504.0, 5341.0, 5703.0, 5715.0, 5304.0, 5461.0, 5525.0, 5374.0, 5381.0, 5627.0, 5659.0, 5429.0,

						5623.0, 5408.0, 5706.0, 5490.0, 5438.0, 5298.0, 5658.0, 5277.0, 5675.0, 5637.0, 5273.0, 5679.0, 5692.0, 5625.0, 5477.0, 5440.0, 5722.0, 5335.0, 5643.0, 5636.0, 5497.0, 5416.0, 5651.0, 5635.0, 5718.0, 5384.0, 5605.0, 5256.0, 5522.0, 5614.0, 5681.0, 5319.0, 5264.0, 5310.0, 5360.0, 5395.0, 5450.0, 5545.0, 5486.0, 5272.0, 5300.0, 5297.0, 5639.0, 5543.0, 5602.0, 5403.0, 5257.0, 5654.0, 5385.0, 5468.0, 5445.0, 5541.0, 5537.0, 5286.0, 5387.0, 5431.0, 5492.0, 5557.0, 5566.0, 5322.0 (number of hits: 6)
7	5260	9	1	333	1	5711.0, 5398.0, 5411.0, 5644.0, 5546.0, 5717.0, 5627.0, 5254.0, 5621.0, 5475.0, 5524.0, 5389.0, 5425.0, 5408.0, 5668.0, 5718.0, 5257.0, 5412.0, 5659.0, 5270.0, 5324.0, 5486.0, 5465.0, 5336.0, 5611.0, 5685.0, 5720.0, 5306.0, 5388.0, 5283.0, 5489.0, 5510.0, 5565.0, 5679.0, 5527.0, 5701.0, 5670.0, 5575.0, 5401.0, 5272.0, 5579.0, 5289.0, 5250.0, 5381.0, 5660.0, 5656.0, 5642.0, 5478.0, 5687.0, 5564.0, 5374.0, 5598.0, 5268.0, 5378.0, 5327.0, 5308.0, 5672.0, 5588.0, 5416.0, 5639.0, 5635.0, 5517.0, 5447.0, 5421.0, 5287.0, 5434.0, 5273.0, 5265.0, 5520.0, 5407.0, 5364.0, 5558.0, 5580.0, 5504.0, 5560.0, 5529.0, 5473.0, 5304.0, 5310.0, 5617.0, 5271.0, 5678.0, 5494.0, 5449.0, 5394.0, 5571.0, 5452.0, 5688.0, 5692.0, 5675.0, 5497.0, 5426.0, 5440.0, 5536.0, 5542.0, 5342.0, 5403.0, 5371.0, 5474.0, 5671.0 (number of hits: 5)
8	5260	9	1	333	1	5686.0, 5280.0, 5458.0, 5369.0, 5658.0, 5534.0, 5694.0, 5537.0, 5678.0, 5321.0, 5331.0, 5444.0, 5401.0, 5646.0, 5568.0, 5298.0, 5337.0, 5347.0, 5421.0, 5284.0, 5339.0, 5383.0, 5409.0, 5539.0, 5657.0, 5412.0, 5513.0, 5577.0, 5594.0, 5472.0, 5631.0, 5489.0, 5404.0, 5442.0, 5669.0, 5448.0, 5696.0, 5370.0, 5664.0, 5676.0, 5505.0, 5679.0, 5269.0, 5348.0, 5689.0, 5492.0, 5359.0, 5459.0, 5695.0, 5315.0, 5460.0, 5292.0, 5286.0, 5485.0, 5259.0, 5375.0, 5303.0, 5720.0, 5281.0, 5395.0, 5386.0, 5403.0, 5716.0, 5306.0, 5655.0, 5614.0, 5446.0, 5557.0, 5661.0, 5419.0, 5685.0, 5432.0, 5356.0, 5620.0, 5299.0, 5599.0, 5582.0, 5592.0, 5323.0, 5275.0, 5437.0, 5550.0, 5294.0, 5384.0, 5673.0, 5255.0, 5552.0, 5551.0, 5410.0, 5506.0, 5423.0, 5481.0, 5374.0, 5508.0, 5595.0, 5268.0, 5662.0, 5529.0, 5705.0, 5407.0 (number of hits: 4)
9	5260	9	1	333	1	5300.0, 5374.0, 5263.0, 5641.0, 5417.0, 5613.0, 5640.0, 5440.0, 5699.0, 5261.0, 5461.0, 5292.0, 5671.0, 5294.0, 5424.0, 5529.0, 5386.0, 5559.0, 5364.0, 5442.0,

						5492.0, 5542.0, 5585.0, 5392.0, 5539.0, 5385.0, 5390.0, 5279.0, 5555.0, 5642.0, 5433.0, 5508.0, 5713.0, 5425.0, 5452.0, 5577.0, 5705.0, 5617.0, 5337.0, 5610.0, 5338.0, 5517.0, 5572.0, 5460.0, 5443.0, 5474.0, 5255.0, 5330.0, 5629.0, 5549.0, 5590.0, 5345.0, 5372.0, 5309.0, 5681.0, 5650.0, 5429.0, 5344.0, 5624.0, 5476.0, 5723.0, 5453.0, 5524.0, 5365.0, 5615.0, 5551.0, 5540.0, 5541.0, 5251.0, 5354.0, 5510.0, 5612.0, 5281.0, 5408.0, 5665.0, 5593.0, 5264.0, 5411.0, 5304.0, 5660.0, 5630.0, 5498.0, 5574.0, 5319.0, 5298.0, 5318.0, 5636.0, 5673.0, 5359.0, 5591.0, 5511.0, 5308.0, 5680.0, 5278.0, 5662.0, 5644.0, 5724.0, 5647.0, 5290.0, 5422.0 (number of hits: 5)
10	5260	9	1	333	1	5430.0, 5639.0, 5627.0, 5683.0, 5557.0, 5582.0, 5399.0, 5397.0, 5326.0, 5564.0, 5275.0, 5578.0, 5533.0, 5492.0, 5629.0, 5527.0, 5432.0, 5276.0, 5347.0, 5317.0, 5330.0, 5599.0, 5581.0, 5355.0, 5344.0, 5636.0, 5444.0, 5408.0, 5476.0, 5551.0, 5597.0, 5610.0, 5493.0, 5499.0, 5540.0, 5495.0, 5640.0, 5628.0, 5261.0, 5477.0, 5259.0, 5405.0, 5292.0, 5370.0, 5323.0, 5286.0, 5257.0, 5644.0, 5447.0, 5368.0, 5254.0, 5339.0, 5385.0, 5706.0, 5694.0, 5505.0, 5696.0, 5665.0, 5530.0, 5633.0, 5423.0, 5434.0, 5580.0, 5654.0, 5402.0, 5519.0, 5356.0, 5253.0, 5354.0, 5568.0, 5373.0, 5588.0, 5440.0, 5427.0, 5635.0, 5724.0, 5307.0, 5659.0, 5325.0, 5273.0, 5716.0, 5381.0, 5666.0, 5470.0, 5320.0, 5285.0, 5616.0, 5411.0, 5400.0, 5265.0, 5571.0, 5322.0, 5678.0, 5287.0, 5720.0, 5278.0, 5688.0, 5625.0, 5334.0, 5676.0 (number of hits: 6)
11	5260	9	1	333	1	5436.0, 5598.0, 5467.0, 5330.0, 5542.0, 5293.0, 5409.0, 5622.0, 5278.0, 5378.0, 5482.0, 5343.0, 5628.0, 5588.0, 5438.0, 5513.0, 5657.0, 5255.0, 5308.0, 5540.0, 5699.0, 5614.0, 5626.0, 5344.0, 5671.0, 5670.0, 5430.0, 5326.0, 5410.0, 5519.0, 5578.0, 5490.0, 5342.0, 5509.0, 5356.0, 5288.0, 5492.0, 5461.0, 5456.0, 5658.0, 5309.0, 5450.0, 5723.0, 5569.0, 5325.0, 5338.0, 5653.0, 5483.0, 5360.0, 5510.0, 5484.0, 5386.0, 5643.0, 5515.0, 5470.0, 5370.0, 5414.0, 5312.0, 5329.0, 5562.0, 5692.0, 5437.0, 5646.0, 5684.0, 5572.0, 5451.0, 5287.0, 5679.0, 5487.0, 5561.0, 5419.0, 5269.0, 5406.0, 5570.0, 5593.0, 5488.0, 5259.0, 5322.0, 5254.0, 5295.0, 5448.0, 5524.0, 5595.0, 5274.0, 5517.0, 5358.0, 5379.0, 5597.0, 5250.0, 5412.0, 5415.0, 5534.0, 5610.0, 5547.0, 5631.0, 5720.0, 5466.0, 5317.0, 5315.0, 5260.0 (number of hits: 6)

12	5260	9	1	333	1	5318.0, 5680.0, 5700.0, 5517.0, 5598.0, 5335.0, 5393.0, 5694.0, 5505.0, 5313.0, 5405.0, 5587.0, 5446.0, 5515.0, 5268.0, 5287.0, 5320.0, 5322.0, 5433.0, 5297.0, 5362.0, 5595.0, 5450.0, 5669.0, 5255.0, 5530.0, 5456.0, 5282.0, 5300.0, 5358.0, 5455.0, 5353.0, 5452.0, 5724.0, 5355.0, 5687.0, 5490.0, 5470.0, 5306.0, 5504.0, 5278.0, 5336.0, 5682.0, 5387.0, 5419.0, 5684.0, 5270.0, 5314.0, 5611.0, 5388.0, 5693.0, 5513.0, 5352.0, 5473.0, 5323.0, 5666.0, 5343.0, 5642.0, 5547.0, 5327.0, 5311.0, 5465.0, 5574.0, 5635.0, 5431.0, 5665.0, 5385.0, 5366.0, 5397.0, 5699.0, 5491.0, 5457.0, 5554.0, 5520.0, 5528.0, 5466.0, 5265.0, 5506.0, 5275.0, 5292.0, 5261.0, 5441.0, 5257.0, 5325.0, 5374.0, 5391.0, 5259.0, 5498.0, 5487.0, 5413.0, 5371.0, 5380.0, 5556.0, 5288.0, 5534.0, 5638.0, 5402.0, 5427.0, 5710.0, 5630.0 (number of hits: 6)
13	5260	9	1	333	1	5352.0, 5600.0, 5472.0, 5476.0, 5539.0, 5650.0, 5336.0, 5438.0, 5353.0, 5507.0, 5658.0, 5436.0, 5544.0, 5387.0, 5540.0, 5508.0, 5577.0, 5410.0, 5262.0, 5673.0, 5318.0, 5648.0, 5341.0, 5599.0, 5694.0, 5644.0, 5493.0, 5628.0, 5356.0, 5675.0, 5667.0, 5553.0, 5568.0, 5720.0, 5288.0, 5441.0, 5478.0, 5718.0, 5643.0, 5442.0, 5689.0, 5488.0, 5395.0, 5678.0, 5573.0, 5293.0, 5557.0, 5570.0, 5335.0, 5273.0, 5486.0, 5431.0, 5528.0, 5485.0, 5504.0, 5374.0, 5611.0, 5296.0, 5467.0, 5394.0, 5688.0, 5332.0, 5571.0, 5519.0, 5671.0, 5390.0, 5509.0, 5405.0, 5350.0, 5370.0, 5256.0, 5615.0, 5597.0, 5278.0, 5579.0, 5724.0, 5590.0, 5653.0, 5305.0, 5578.0, 5329.0, 5682.0, 5340.0, 5549.0, 5562.0, 5715.0, 5498.0, 5309.0, 5424.0, 5377.0, 5662.0, 5623.0, 5337.0, 5516.0, 5402.0, 5389.0, 5495.0, 5447.0, 5435.0, 5574.0 (number of hits: 2)
14	5260	9	1	333	1	5378.0, 5273.0, 5286.0, 5560.0, 5434.0, 5484.0, 5606.0, 5462.0, 5683.0, 5282.0, 5546.0, 5467.0, 5707.0, 5405.0, 5350.0, 5341.0, 5430.0, 5524.0, 5379.0, 5288.0, 5260.0, 5565.0, 5494.0, 5388.0, 5518.0, 5385.0, 5633.0, 5415.0, 5641.0, 5526.0, 5624.0, 5398.0, 5626.0, 5507.0, 5664.0, 5705.0, 5492.0, 5505.0, 5714.0, 5499.0, 5335.0, 5551.0, 5630.0, 5403.0, 5397.0, 5660.0, 5558.0, 5711.0, 5344.0, 5407.0, 5370.0, 5272.0, 5668.0, 5553.0, 5438.0, 5692.0, 5287.0, 5541.0, 5512.0, 5650.0, 5617.0, 5318.0, 5317.0, 5568.0, 5333.0, 5698.0, 5432.0, 5431.0, 5321.0, 5454.0, 5319.0, 5530.0, 5685.0, 5498.0, 5450.0, 5687.0, 5590.0, 5342.0, 5500.0, 5459.0, 5519.0, 5563.0, 5339.0, 5712.0, 5418.0,

						5471.0, 5538.0, 5486.0, 5677.0, 5478.0, 5545.0, 5547.0, 5623.0, 5562.0, 5422.0, 5365.0, 5550.0, 5609.0, 5570.0, 5401.0 (number of hits: 1)
15	5260	9	1	333	1	5506.0, 5348.0, 5637.0, 5331.0, 5372.0, 5658.0, 5378.0, 5397.0, 5295.0, 5590.0, 5412.0, 5311.0, 5663.0, 5545.0, 5563.0, 5262.0, 5671.0, 5646.0, 5336.0, 5490.0, 5365.0, 5312.0, 5524.0, 5423.0, 5309.0, 5350.0, 5682.0, 5552.0, 5314.0, 5699.0, 5484.0, 5270.0, 5711.0, 5576.0, 5317.0, 5272.0, 5332.0, 5338.0, 5277.0, 5298.0, 5356.0, 5482.0, 5718.0, 5656.0, 5251.0, 5313.0, 5599.0, 5469.0, 5498.0, 5448.0, 5343.0, 5415.0, 5428.0, 5634.0, 5282.0, 5596.0, 5346.0, 5649.0, 5366.0, 5349.0, 5700.0, 5275.0, 5286.0, 5692.0, 5703.0, 5515.0, 5679.0, 5326.0, 5504.0, 5698.0, 5396.0, 5655.0, 5391.0, 5303.0, 5288.0, 5572.0, 5335.0, 5501.0, 5553.0, 5640.0, 5660.0, 5642.0, 5315.0, 5460.0, 5489.0, 5405.0, 5520.0, 5688.0, 5652.0, 5619.0, 5641.0, 5693.0, 5407.0, 5511.0, 5430.0, 5555.0, 5686.0, 5451.0, 5566.0, 5648.0 (number of hits: 2)
16	5260	9	1	333	1	5394.0, 5264.0, 5549.0, 5250.0, 5619.0, 5631.0, 5589.0, 5328.0, 5327.0, 5353.0, 5443.0, 5449.0, 5487.0, 5377.0, 5316.0, 5314.0, 5347.0, 5534.0, 5708.0, 5604.0, 5292.0, 5552.0, 5539.0, 5475.0, 5698.0, 5538.0, 5331.0, 5460.0, 5433.0, 5300.0, 5540.0, 5607.0, 5336.0, 5324.0, 5633.0, 5500.0, 5623.0, 5376.0, 5269.0, 5501.0, 5257.0, 5566.0, 5393.0, 5468.0, 5502.0, 5329.0, 5457.0, 5598.0, 5489.0, 5661.0, 5346.0, 5575.0, 5310.0, 5630.0, 5653.0, 5611.0, 5283.0, 5526.0, 5455.0, 5454.0, 5580.0, 5340.0, 5690.0, 5665.0, 5692.0, 5290.0, 5356.0, 5588.0, 5366.0, 5656.0, 5693.0, 5348.0, 5480.0, 5333.0, 5563.0, 5721.0, 5650.0, 5417.0, 5271.0, 5485.0, 5620.0, 5254.0, 5536.0, 5658.0, 5428.0, 5503.0, 5262.0, 5509.0, 5464.0, 5374.0, 5471.0, 5456.0, 5361.0, 5714.0, 5532.0, 5420.0, 5385.0, 5513.0, 5545.0, 5413.0 (number of hits: 6)
17	5260	9	1	333	1	5613.0, 5289.0, 5602.0, 5684.0, 5533.0, 5464.0, 5441.0, 5447.0, 5673.0, 5607.0, 5251.0, 5493.0, 5330.0, 5435.0, 5335.0, 5369.0, 5277.0, 5314.0, 5492.0, 5583.0, 5523.0, 5361.0, 5291.0, 5287.0, 5452.0, 5349.0, 5406.0, 5290.0, 5268.0, 5565.0, 5579.0, 5405.0, 5706.0, 5546.0, 5671.0, 5648.0, 5650.0, 5284.0, 5504.0, 5364.0, 5389.0, 5708.0, 5348.0, 5655.0, 5590.0, 5417.0, 5628.0, 5510.0, 5667.0, 5384.0, 5260.0, 5669.0, 5305.0, 5563.0, 5561.0, 5381.0, 5255.0, 5431.0, 5589.0, 5296.0, 5465.0, 5367.0, 5515.0, 5577.0, 5494.0,

						5683.0, 5519.0, 5629.0, 5424.0, 5304.0, 5300.0, 5505.0, 5398.0, 5536.0, 5601.0, 5623.0, 5306.0, 5423.0, 5415.0, 5303.0, 5420.0, 5307.0, 5525.0, 5446.0, 5312.0, 5685.0, 5472.0, 5418.0, 5702.0, 5612.0, 5665.0, 5718.0, 5324.0, 5407.0, 5451.0, 5421.0, 5603.0, 5716.0, 5438.0, 5497.0 (number of hits: 4)
18	5260	9	1	333	1	5454.0, 5348.0, 5589.0, 5698.0, 5643.0, 5429.0, 5621.0, 5549.0, 5596.0, 5509.0, 5550.0, 5674.0, 5503.0, 5480.0, 5403.0, 5294.0, 5444.0, 5719.0, 5452.0, 5310.0, 5278.0, 5645.0, 5441.0, 5459.0, 5322.0, 5334.0, 5565.0, 5323.0, 5408.0, 5495.0, 5443.0, 5609.0, 5633.0, 5667.0, 5513.0, 5475.0, 5393.0, 5677.0, 5263.0, 5554.0, 5571.0, 5392.0, 5424.0, 5401.0, 5464.0, 5707.0, 5650.0, 5587.0, 5358.0, 5304.0, 5599.0, 5517.0, 5656.0, 5663.0, 5630.0, 5255.0, 5347.0, 5574.0, 5610.0, 5638.0, 5469.0, 5709.0, 5682.0, 5520.0, 5351.0, 5359.0, 5498.0, 5357.0, 5704.0, 5442.0, 5683.0, 5699.0, 5435.0, 5716.0, 5325.0, 5384.0, 5369.0, 5354.0, 5261.0, 5400.0, 5562.0, 5583.0, 5695.0, 5619.0, 5370.0, 5448.0, 5526.0, 5635.0, 5390.0, 5657.0, 5377.0, 5510.0, 5406.0, 5568.0, 5316.0, 5668.0, 5426.0, 5569.0, 5620.0, 5534.0 (number of hits: 3)
19	5260	9	1	333	1	5547.0, 5684.0, 5271.0, 5382.0, 5640.0, 5584.0, 5326.0, 5378.0, 5548.0, 5328.0, 5399.0, 5565.0, 5610.0, 5717.0, 5518.0, 5696.0, 5490.0, 5654.0, 5406.0, 5386.0, 5473.0, 5698.0, 5499.0, 5346.0, 5522.0, 5355.0, 5279.0, 5492.0, 5691.0, 5321.0, 5481.0, 5590.0, 5478.0, 5705.0, 5472.0, 5591.0, 5663.0, 5314.0, 5477.0, 5581.0, 5418.0, 5305.0, 5715.0, 5405.0, 5713.0, 5287.0, 5616.0, 5583.0, 5256.0, 5319.0, 5552.0, 5359.0, 5539.0, 5374.0, 5361.0, 5569.0, 5613.0, 5526.0, 5298.0, 5579.0, 5498.0, 5471.0, 5323.0, 5659.0, 5559.0, 5396.0, 5528.0, 5254.0, 5510.0, 5458.0, 5255.0, 5448.0, 5461.0, 5675.0, 5335.0, 5397.0, 5344.0, 5393.0, 5285.0, 5709.0, 5673.0, 5452.0, 5311.0, 5533.0, 5650.0, 5667.0, 5529.0, 5562.0, 5303.0, 5430.0, 5351.0, 5627.0, 5392.0, 5560.0, 5525.0, 5600.0, 5620.0, 5618.0, 5368.0, 5661.0 (number of hits: 3)
20	5260	9	1	333	1	5639.0, 5361.0, 5310.0, 5479.0, 5285.0, 5455.0, 5273.0, 5459.0, 5394.0, 5484.0, 5595.0, 5487.0, 5382.0, 5425.0, 5542.0, 5386.0, 5403.0, 5357.0, 5513.0, 5703.0, 5293.0, 5498.0, 5527.0, 5471.0, 5413.0, 5687.0, 5351.0, 5707.0, 5678.0, 5710.0, 5496.0, 5672.0, 5615.0, 5512.0, 5653.0, 5619.0, 5470.0, 5410.0, 5566.0, 5372.0, 5722.0, 5577.0, 5344.0, 5340.0, 5591.0,

						5449.0, 5719.0, 5579.0, 5543.0, 5452.0, 5677.0, 5581.0, 5545.0, 5266.0, 5364.0, 5701.0, 5447.0, 5406.0, 5477.0, 5304.0, 5679.0, 5448.0, 5658.0, 5258.0, 5585.0, 5252.0, 5648.0, 5319.0, 5463.0, 5409.0, 5326.0, 5432.0, 5552.0, 5358.0, 5501.0, 5347.0, 5620.0, 5526.0, 5431.0, 5627.0, 5642.0, 5534.0, 5589.0, 5380.0, 5360.0, 5622.0, 5613.0, 5451.0, 5711.0, 5268.0, 5376.0, 5461.0, 5368.0, 5291.0, 5299.0, 5541.0, 5429.0, 5454.0, 5283.0, 5430.0 (number of hits: 4)
21	5260	9	1	333	1	5379.0, 5674.0, 5392.0, 5611.0, 5646.0, 5497.0, 5605.0, 5517.0, 5367.0, 5361.0, 5640.0, 5655.0, 5636.0, 5492.0, 5685.0, 5670.0, 5346.0, 5412.0, 5500.0, 5474.0, 5721.0, 5540.0, 5328.0, 5291.0, 5342.0, 5350.0, 5373.0, 5598.0, 5542.0, 5503.0, 5258.0, 5573.0, 5468.0, 5698.0, 5458.0, 5294.0, 5693.0, 5527.0, 5705.0, 5561.0, 5480.0, 5691.0, 5463.0, 5552.0, 5671.0, 5545.0, 5353.0, 5696.0, 5447.0, 5709.0, 5423.0, 5708.0, 5478.0, 5368.0, 5551.0, 5421.0, 5657.0, 5597.0, 5289.0, 5319.0, 5358.0, 5300.0, 5627.0, 5264.0, 5436.0, 5306.0, 5530.0, 5491.0, 5343.0, 5622.0, 5308.0, 5261.0, 5450.0, 5282.0, 5400.0, 5267.0, 5297.0, 5630.0, 5613.0, 5566.0, 5470.0, 5664.0, 5580.0, 5518.0, 5533.0, 5402.0, 5495.0, 5684.0, 5405.0, 5623.0, 5279.0, 5380.0, 5397.0, 5425.0, 5720.0, 5506.0, 5377.0, 5485.0, 5675.0, 5514.0 (number of hits: 4)
22	5260	9	1	333	1	5284.0, 5695.0, 5263.0, 5305.0, 5313.0, 5534.0, 5549.0, 5675.0, 5618.0, 5684.0, 5551.0, 5430.0, 5586.0, 5401.0, 5600.0, 5705.0, 5385.0, 5505.0, 5707.0, 5665.0, 5575.0, 5405.0, 5252.0, 5511.0, 5718.0, 5596.0, 5674.0, 5291.0, 5714.0, 5326.0, 5565.0, 5325.0, 5402.0, 5583.0, 5623.0, 5614.0, 5694.0, 5270.0, 5669.0, 5394.0, 5469.0, 5514.0, 5487.0, 5504.0, 5647.0, 5550.0, 5276.0, 5715.0, 5607.0, 5425.0, 5442.0, 5426.0, 5720.0, 5666.0, 5531.0, 5693.0, 5418.0, 5391.0, 5451.0, 5561.0, 5290.0, 5493.0, 5582.0, 5696.0, 5408.0, 5400.0, 5485.0, 5611.0, 5403.0, 5635.0, 5311.0, 5435.0, 5680.0, 5260.0, 5427.0, 5721.0, 5265.0, 5258.0, 5357.0, 5278.0, 5301.0, 5507.0, 5386.0, 5597.0, 5338.0, 5479.0, 5598.0, 5279.0, 5545.0, 5335.0, 5436.0, 5446.0, 5634.0, 5689.0, 5460.0, 5272.0, 5303.0, 5629.0, 5465.0, 5448.0 (number of hits: 5)
23	5260	9	1	333	1	5293.0, 5447.0, 5661.0, 5369.0, 5628.0, 5449.0, 5295.0, 5646.0, 5317.0, 5500.0, 5289.0, 5549.0, 5377.0, 5700.0, 5367.0, 5261.0, 5389.0, 5531.0, 5570.0, 5569.0, 5643.0, 5621.0, 5397.0, 5456.0, 5584.0,

						5666.0, 5476.0, 5555.0, 5320.0, 5290.0, 5655.0, 5504.0, 5406.0, 5448.0, 5681.0, 5560.0, 5254.0, 5680.0, 5459.0, 5528.0, 5548.0, 5255.0, 5708.0, 5431.0, 5489.0, 5664.0, 5698.0, 5297.0, 5608.0, 5627.0, 5514.0, 5619.0, 5517.0, 5400.0, 5720.0, 5461.0, 5343.0, 5701.0, 5404.0, 5419.0, 5642.0, 5647.0, 5641.0, 5282.0, 5687.0, 5634.0, 5482.0, 5543.0, 5503.0, 5451.0, 5686.0, 5327.0, 5422.0, 5523.0, 5252.0, 5485.0, 5567.0, 5668.0, 5525.0, 5623.0, 5719.0, 5694.0, 5386.0, 5333.0, 5576.0, 5571.0, 5345.0, 5470.0, 5622.0, 5285.0, 5475.0, 5268.0, 5561.0, 5465.0, 5315.0, 5467.0, 5253.0, 5311.0, 5321.0, 5263.0 (number of hits: 7)
24	5260	9	1	333	1	5356.0, 5294.0, 5700.0, 5610.0, 5323.0, 5332.0, 5455.0, 5371.0, 5644.0, 5336.0, 5401.0, 5554.0, 5477.0, 5270.0, 5482.0, 5264.0, 5305.0, 5710.0, 5296.0, 5454.0, 5437.0, 5548.0, 5284.0, 5393.0, 5660.0, 5397.0, 5459.0, 5659.0, 5670.0, 5656.0, 5658.0, 5575.0, 5627.0, 5313.0, 5541.0, 5257.0, 5276.0, 5315.0, 5564.0, 5705.0, 5606.0, 5310.0, 5344.0, 5470.0, 5424.0, 5523.0, 5265.0, 5607.0, 5516.0, 5529.0, 5509.0, 5531.0, 5642.0, 5375.0, 5370.0, 5557.0, 5278.0, 5414.0, 5664.0, 5277.0, 5377.0, 5258.0, 5320.0, 5692.0, 5314.0, 5498.0, 5695.0, 5580.0, 5589.0, 5307.0, 5481.0, 5325.0, 5324.0, 5291.0, 5550.0, 5334.0, 5620.0, 5467.0, 5673.0, 5601.0, 5569.0, 5555.0, 5689.0, 5605.0, 5716.0, 5677.0, 5609.0, 5380.0, 5272.0, 5588.0, 5468.0, 5329.0, 5352.0, 5456.0, 5474.0, 5292.0, 5688.0, 5429.0, 5446.0, 5722.0 (number of hits: 4)
25	5260	9	1	333	1	5493.0, 5582.0, 5365.0, 5292.0, 5603.0, 5302.0, 5695.0, 5645.0, 5372.0, 5287.0, 5274.0, 5281.0, 5514.0, 5277.0, 5529.0, 5382.0, 5596.0, 5684.0, 5328.0, 5576.0, 5353.0, 5276.0, 5601.0, 5427.0, 5480.0, 5558.0, 5459.0, 5490.0, 5345.0, 5332.0, 5426.0, 5405.0, 5418.0, 5719.0, 5547.0, 5574.0, 5363.0, 5423.0, 5540.0, 5519.0, 5646.0, 5672.0, 5256.0, 5413.0, 5698.0, 5674.0, 5516.0, 5626.0, 5541.0, 5433.0, 5524.0, 5622.0, 5374.0, 5430.0, 5613.0, 5611.0, 5545.0, 5559.0, 5399.0, 5693.0, 5306.0, 5612.0, 5261.0, 5530.0, 5336.0, 5704.0, 5317.0, 5512.0, 5352.0, 5592.0, 5686.0, 5319.0, 5310.0, 5412.0, 5366.0, 5537.0, 5640.0, 5722.0, 5265.0, 5475.0, 5406.0, 5395.0, 5503.0, 5414.0, 5283.0, 5585.0, 5620.0, 5495.0, 5717.0, 5615.0, 5323.0, 5453.0, 5262.0, 5432.0, 5254.0, 5270.0, 5665.0, 5587.0, 5557.0, 5267.0 (number of hits: 6)
26	5260	9	1	333	1	5502.0, 5458.0, 5318.0, 5708.0, 5423.0,

						5647.0, 5504.0, 5574.0, 5398.0, 5355.0, 5454.0, 5461.0, 5602.0, 5623.0, 5396.0, 5637.0, 5654.0, 5691.0, 5690.0, 5503.0, 5679.0, 5684.0, 5350.0, 5629.0, 5287.0, 5547.0, 5715.0, 5457.0, 5460.0, 5565.0, 5362.0, 5449.0, 5376.0, 5671.0, 5529.0, 5668.0, 5632.0, 5557.0, 5658.0, 5278.0, 5468.0, 5448.0, 5348.0, 5470.0, 5538.0, 5594.0, 5421.0, 5342.0, 5659.0, 5311.0, 5722.0, 5709.0, 5606.0, 5322.0, 5719.0, 5524.0, 5303.0, 5627.0, 5406.0, 5721.0, 5718.0, 5334.0, 5703.0, 5485.0, 5259.0, 5642.0, 5436.0, 5435.0, 5714.0, 5515.0, 5587.0, 5610.0, 5327.0, 5456.0, 5358.0, 5501.0, 5297.0, 5270.0, 5429.0, 5374.0, 5535.0, 5437.0, 5711.0, 5315.0, 5506.0, 5469.0, 5309.0, 5377.0, 5447.0, 5474.0, 5593.0, 5616.0, 5563.0, 5667.0, 5523.0, 5582.0, 5576.0, 5357.0, 5526.0, 5720.0 (number of hits: 1)
27	5260	9	1	333	1	5493.0, 5637.0, 5301.0, 5281.0, 5378.0, 5656.0, 5680.0, 5658.0, 5516.0, 5515.0, 5265.0, 5576.0, 5531.0, 5540.0, 5475.0, 5309.0, 5500.0, 5714.0, 5549.0, 5409.0, 5546.0, 5614.0, 5444.0, 5709.0, 5410.0, 5538.0, 5557.0, 5578.0, 5508.0, 5347.0, 5336.0, 5700.0, 5322.0, 5349.0, 5588.0, 5465.0, 5638.0, 5619.0, 5377.0, 5616.0, 5480.0, 5321.0, 5360.0, 5436.0, 5341.0, 5284.0, 5624.0, 5612.0, 5434.0, 5605.0, 5488.0, 5595.0, 5463.0, 5326.0, 5609.0, 5507.0, 5443.0, 5650.0, 5467.0, 5598.0, 5407.0, 5711.0, 5351.0, 5642.0, 5468.0, 5510.0, 5315.0, 5489.0, 5513.0, 5560.0, 5518.0, 5370.0, 5701.0, 5561.0, 5618.0, 5584.0, 5264.0, 5583.0, 5550.0, 5498.0, 5461.0, 5671.0, 5517.0, 5679.0, 5689.0, 5568.0, 5604.0, 5696.0, 5307.0, 5431.0, 5266.0, 5566.0, 5325.0, 5290.0, 5659.0, 5304.0, 5253.0, 5660.0, 5635.0, 5652.0 (number of hits: 4)
28	5260	9	1	333	1	5677.0, 5391.0, 5657.0, 5350.0, 5583.0, 5284.0, 5718.0, 5549.0, 5310.0, 5429.0, 5332.0, 5703.0, 5709.0, 5268.0, 5502.0, 5301.0, 5401.0, 5393.0, 5524.0, 5532.0, 5343.0, 5635.0, 5260.0, 5443.0, 5596.0, 5500.0, 5546.0, 5543.0, 5553.0, 5678.0, 5613.0, 5580.0, 5626.0, 5558.0, 5265.0, 5375.0, 5441.0, 5550.0, 5614.0, 5475.0, 5686.0, 5453.0, 5665.0, 5651.0, 5516.0, 5530.0, 5289.0, 5469.0, 5616.0, 5520.0, 5544.0, 5274.0, 5473.0, 5579.0, 5487.0, 5656.0, 5311.0, 5316.0, 5630.0, 5667.0, 5428.0, 5371.0, 5711.0, 5522.0, 5688.0, 5608.0, 5525.0, 5258.0, 5392.0, 5253.0, 5455.0, 5660.0, 5508.0, 5573.0, 5507.0, 5666.0, 5262.0, 5341.0, 5605.0, 5412.0, 5591.0, 5547.0, 5590.0, 5701.0, 5276.0, 5707.0, 5328.0, 5627.0, 5571.0, 5444.0,

						5642.0, 5357.0, 5422.0, 5352.0, 5712.0, 5326.0, 5278.0, 5531.0, 5254.0, 5317.0 (number of hits: 7)
29	5260	9	1	333	1	5670.0, 5523.0, 5694.0, 5432.0, 5558.0, 5415.0, 5510.0, 5484.0, 5542.0, 5366.0, 5333.0, 5593.0, 5566.0, 5433.0, 5412.0, 5709.0, 5457.0, 5404.0, 5346.0, 5299.0, 5403.0, 5565.0, 5698.0, 5355.0, 5273.0, 5353.0, 5517.0, 5342.0, 5541.0, 5564.0, 5598.0, 5472.0, 5271.0, 5349.0, 5645.0, 5330.0, 5289.0, 5340.0, 5411.0, 5669.0, 5358.0, 5372.0, 5288.0, 5703.0, 5710.0, 5359.0, 5620.0, 5689.0, 5634.0, 5505.0, 5287.0, 5471.0, 5440.0, 5502.0, 5393.0, 5648.0, 5465.0, 5574.0, 5421.0, 5561.0, 5496.0, 5250.0, 5410.0, 5615.0, 5627.0, 5401.0, 5434.0, 5444.0, 5466.0, 5507.0, 5383.0, 5580.0, 5538.0, 5370.0, 5607.0, 5590.0, 5721.0, 5579.0, 5417.0, 5397.0, 5704.0, 5347.0, 5345.0, 5425.0, 5696.0, 5460.0, 5666.0, 5603.0, 5388.0, 5420.0, 5515.0, 5373.0, 5684.0, 5354.0, 5653.0, 5418.0, 5629.0, 5576.0, 5619.0, 5268.0 (number of hits: 2)
30	5260	9	1	333	1	5657.0, 5413.0, 5408.0, 5469.0, 5646.0, 5349.0, 5609.0, 5668.0, 5635.0, 5359.0, 5411.0, 5473.0, 5405.0, 5384.0, 5283.0, 5484.0, 5387.0, 5404.0, 5578.0, 5667.0, 5710.0, 5499.0, 5593.0, 5565.0, 5604.0, 5690.0, 5272.0, 5502.0, 5332.0, 5490.0, 5329.0, 5267.0, 5433.0, 5476.0, 5371.0, 5335.0, 5394.0, 5333.0, 5518.0, 5321.0, 5486.0, 5489.0, 5520.0, 5277.0, 5492.0, 5722.0, 5707.0, 5546.0, 5693.0, 5307.0, 5522.0, 5673.0, 5439.0, 5383.0, 5417.0, 5573.0, 5463.0, 5695.0, 5554.0, 5254.0, 5572.0, 5575.0, 5465.0, 5669.0, 5514.0, 5681.0, 5461.0, 5379.0, 5260.0, 5455.0, 5526.0, 5291.0, 5512.0, 5396.0, 5253.0, 5651.0, 5586.0, 5483.0, 5289.0, 5696.0, 5676.0, 5660.0, 5310.0, 5620.0, 5691.0, 5436.0, 5656.0, 5385.0, 5298.0, 5323.0, 5432.0, 5706.0, 5281.0, 5610.0, 5617.0, 5426.0, 5628.0, 5574.0, 5652.0, 5624.0 (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:

5270 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	67	1	798	1
2	5270	74	1	718	1
3	5270	72	1	738	1
4	5270	18	1	3066	1
5	5270	63	1	838	1
6	5270	83	1	638	1
7	5270	89	1	598	1
8	5270	62	1	858	1
9	5270	57	1	938	1
10	5270	61	1	878	1
11	5270	86	1	618	1
12	5270	81	1	658	1
13	5270	59	1	898	1
14	5270	78	1	678	1
15	5270	65	1	818	1
16	5270	34	1	1574	1
17	5270	28	1	1912	1
18	5270	37	1	1455	1
19	5270	21	1	2633	1
20	5270	19	1	2881	1
21	5270	21	1	2582	1
22	5270	25	1	2162	1
23	5270	25	1	2112	1
24	5270	44	1	1207	1
25	5270	37	1	1457	1
26	5270	52	1	1017	1
27	5270	19	1	2785	1
28	5270	26	1	2040	1
29	5270	32	1	1699	1
30	5270	34	1	1556	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	27	3.6	164	1
2	5270	23	1.8	176	1
3	5270	27	1	213	1
4	5270	28	3.8	209	1
5	5270	29	3.2	204	1
6	5270	29	4.9	179	1
7	5270	24	1.1	171	1
8	5270	28	4.8	183	1
9	5270	24	5	170	1
10	5270	25	4.6	212	1
11	5270	27	1.2	186	1
12	5270	28	3.4	173	1
13	5270	25	4.2	190	1
14	5270	29	1.5	155	1
15	5270	25	2.7	191	1
16	5270	23	2	187	1
17	5270	29	2.8	226	1
18	5270	24	1.6	202	1
19	5270	25	3.3	203	1
20	5270	27	1.3	181	1
21	5270	24	1.7	204	1
22	5270	29	1.2	209	1
23	5270	29	4.9	219	1
24	5270	25	4.3	205	1
25	5270	24	4.9	187	1
26	5270	25	3.1	227	1
27	5270	28	2.3	167	1
28	5270	26	3.7	156	1
29	5270	23	2.4	164	1
30	5270	26	3.8	157	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	6.6	325	1
2	5270	18	7.6	231	1
3	5270	17	7.5	248	1
4	5270	17	8.9	314	1
5	5270	17	7.2	314	1
6	5270	17	8.2	218	1
7	5270	17	9.2	359	1
8	5270	16	6.4	286	1
9	5270	17	8.6	366	1
10	5270	18	9.1	271	1
11	5270	16	8.2	292	1
12	5270	18	7.6	298	1
13	5270	16	9.9	226	1
14	5270	17	8	427	1
15	5270	17	6.7	437	1
16	5270	16	7.1	445	1
17	5270	17	6.1	499	1
18	5270	17	7.4	271	1
19	5270	18	7	476	1
20	5270	18	9	255	1
21	5270	18	10	428	1
22	5270	17	6.9	464	1
23	5270	17	7.9	244	1
24	5270	16	9.9	402	1
25	5270	18	8.3	270	1
26	5270	17	6.4	215	1
27	5270	17	8.5	327	1
28	5270	16	6.9	402	1
29	5270	16	6.3	220	1
30	5270	18	9.5	475	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	16	14	245	1
2	5270	16	11	425	1
3	5270	16	18.7	224	1
4	5270	13	18.8	282	1
5	5270	14	16.7	222	1
6	5270	14	15.3	297	1
7	5270	16	14.7	339	1
8	5270	16	14.4	207	1
9	5270	15	17.2	220	1
10	5270	14	17.8	317	1
11	5270	16	16.6	257	1
12	5270	14	16.4	211	1
13	5270	13	14.1	465	1
14	5270	15	15.7	437	1
15	5270	15	19.8	223	1
16	5270	16	11.1	483	1
17	5270	12	19.7	360	1
18	5270	13	14.6	374	1
19	5270	16	17.5	261	1
20	5270	15	11.8	421	1
21	5270	13	12	288	1
22	5270	13	16.8	257	1
23	5270	16	18.2	259	1
24	5270	12	11.7	499	1
25	5270	16	13.4	361	1
26	5270	15	18.3	310	1
27	5270	16	18.4	401	1
28	5270	12	18.6	223	1
29	5270	12	15.8	259	1
30	5270	15	19.2	255	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5270	1
2	5270	1
3	5270	1
4	5270	1
5	5270	1
6	5270	1
7	5270	1
8	5270	1
9	5270	1
10	5270	1
11	5259.5	1
12	5259.5	1
13	5257.5	1
14	5255.5	1
15	5257.9	1
16	5257.5	1
17	5254.3	1
18	5253.9	1
19	5257.9	1
20	5255.1	1
21	5285.2	1
22	5283.6	1
23	5283.6	1
24	5282.4	1
25	5285.6	1
26	5284.8	1
27	5284.0	1
28	5282.4	1
29	5283.2	1
30	5286.8	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	95.1			0.084787	1
1	1	11	83			2.227244	
2	3	11	63.8	1666	1219	3.372957	
3	2	11	72.9	1263		4.988543	
4	3	11	80.9	1159	1684	5.978959	
5	2	11	68.5	1884		6.940764	
6	2	11	67.2	1464		9.324363	
7	1	11	67			10.473152	
8	1	11	78.6			10.72341	

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	13	72.3	1707		0.074145	1
1	3	13	83.7	1063	1800	1.138579	
2	2	13	91.3	1467		1.437951	
3	2	13	94.9	1703		2.158949	
4	2	13	91.5	1539		2.781079	
5	1	13	89.3			3.129249	
6	2	13	68.5	1462		3.893176	
7	3	13	73.1	1778	1684	4.298841	
8	2	13	72.1	1243		4.840066	
9	2	13	53.7	1053		5.683309	
10	1	13	75.7			6.047277	
11	3	13	78.6	1664	1604	6.770685	
12	1	13	82.5			7.227759	
13	3	13	87.5	1541	1726	8.130892	
14	2	13	76.7	1373		8.639203	
15	1	13	75.5			9.164335	
16	2	13	55.4	1791		9.873592	
17	3	13	87.4	1191	1164	10.609884	
18	1	13	55.3			11.019376	
19	3	13	98.3	1944	1773	11.537614	

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	9	82.8	1521		0.406748	1
1	1	9	67.9			2.021916	
2	1	9	71			3.642773	
3	2	9	56.4	1578		5.167288	
4	2	9	65	1495		6.261242	
5	2	9	73.5	1818		7.927101	
6	3	9	50	1703	1743	8.569372	
7	2	9	75.4	1362		9.460642	
8	3	9	85.1	1209	1034	11.395437	

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	16	75.6	1190	1172	0.569006	1
1	2	16	82.9	1647		1.14192	
2	2	16	70.6	1204		2.432564	
3	2	16	81	1190		4.154437	
4	1	16	68.6			5.229089	
5	2	16	96.1	1639		6.399856	
6	1	16	69.7			6.755525	
7	2	16	94	1402		8.623716	
8	2	16	97.3	1404		8.849972	
9	1	16	66.2			10.826086	
10	2	16	84.2	1992		11.261444	

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	9	71	1488		0.824528	1
1	2	9	64.1	1270		1.608092	
2	3	9	73.5	1095	1952	2.965487	
3	1	9	87.8			3.021643	
4	2	9	65.3	1703		4.348309	
5	2	9	87.9	1235		5.373309	
6	1	9	92.8			6.183547	
7	1	9	72.3			7.718223	
8	2	9	95	1586		8.184524	
9	2	9	75.1	1151		9.399345	
10	2	9	65.9	1609		10.494724	
11	2	9	79.1	1875		11.979428	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	52	1827		0.012131	1
1	2	7	52.8	1726		1.208188	
2	1	7	57			1.606657	
3	1	7	79.7			2.713963	
4	1	7	99.7			3.975221	
5	2	7	81	1008		4.452581	
6	2	7	96.9	1353		5.385018	
7	2	7	90.5	1524		5.772705	
8	2	7	69	1637		6.925483	
9	3	7	64.9	1069	1065	7.490566	
10	2	7	53.4	1507		8.485303	
11	2	7	77.2	1497		8.993035	
12	2	7	57	1668		10.028897	
13	3	7	68.1	1580	1696	11.188026	
14	2	7	64.4	1681		11.917746	

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	15	53.9	1679		1.003673	
1	1	15	96.1			1.539863	
2	1	15	99.6			2.906299	
3	3	15	51.6	1810	1426	4.111408	
4	2	15	56.1	1167		4.731299	
5	1	15	78.4			6.354708	1
6	3	15	73.7	1113	1808	6.954317	
7	1	15	63.5			8.063098	
8	2	15	94.7	1447		8.803381	
9	2	15	81.5	1148		10.870091	
10	2	15	64.1	1913		11.094779	

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	16	89.7			0.696608	
1	2	16	76.1	1011		1.130011	
2	2	16	59.6	1341		2.24495	
3	2	16	98.7	1862		2.966625	
4	2	16	63.7	1047		3.957187	
5	1	16	64.1			5.130048	
6	2	16	65.4	1342		5.728137	1
7	2	16	90.7	1987		6.748971	
8	1	16	80.6			7.570379	
9	1	16	65.5			8.894955	
10	2	16	90.1	1105		9.338854	
11	1	16	75.4			10.450518	
12	2	16	67.3	1627		11.130599	

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	5	98.4	1450		0.04231	1
1	1	5	76.4			0.985233	
2	1	5	59.4			1.933939	
3	2	5	72.9	1708		3.221151	
4	2	5	88.9	1543		3.657966	
5	2	5	81.5	1285		4.399856	
6	2	5	65.8	1614		5.646883	
7	2	5	92.4	1814		6.818874	
8	3	5	98.6	1352	1772	7.168953	
9	2	5	61	1367		8.009952	
10	2	5	74.8	1618		8.610117	
11	2	5	62.9	1908		10.002483	
12	1	5	99.2			10.410527	
13	1	5	91.7			11.40454	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	56			0.387982	1
1	2	14	80.5	1103		1.774491	
2	2	14	68.3	1838		2.599032	
3	1	14	67.2			3.831713	
4	1	14	93			4.582312	
5	3	14	62.3	1907	1427	5.791746	
6	3	14	52.4	1312	1624	6.684235	
7	2	14	62.4	1337		7.510652	
8	2	14	70.7	1589		8.658825	
9	2	14	82.9	1113		9.057465	
10	1	14	51.6			10.423341	
11	2	14	91.3	1350		11.920699	

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	20	98.1			0.038405	1
1	2	20	56.5	1314		2.550332	
2	1	20	63.8			3.480445	
3	3	20	75.4	1048	1883	4.232978	
4	3	20	51.3	1774	1208	6.450099	
5	3	20	85.4	1952	1472	7.006041	
6	3	20	80	1247	1475	8.982762	
7	3	20	75.4	1317	1647	10.197883	
8	3	20	79.5	1134	1360	11.000863	

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	20	54.2			0.521543	1
1	2	20	69.4	1996		1.641366	
2	1	20	76.1			2.872776	
3	2	20	86.6	1632		3.796515	
4	3	20	73.5	1084	1780	4.234994	
5	2	20	60.2	1951		5.931671	
6	2	20	57.3	1869		6.822044	
7	2	20	95.1	1056		7.530438	
8	1	20	70.6			8.256308	
9	3	20	95.8	1209	1724	9.064152	
10	3	20	67.5	1811	1015	10.454349	
11	2	20	85.8	1750		11.859942	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	71.9	1948		0.510775	1
1	3	15	62.6	1580	1851	1.836473	
2	2	15	67.5	1810		2.803154	
3	2	15	68.4	1585		3.881657	
4	3	15	58.2	1747	1231	4.777632	
5	1	15	77.3			5.725573	
6	3	15	74	1870	1320	6.942756	
7	3	15	50.7	1456	1394	7.880066	
8	1	15	50.5			8.065447	
9	3	15	50.4	1748	1097	9.886931	
10	1	15	59.9			10.319374	
11	2	15	82.5	1552		11.353252	

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	10	84.5	1201		0.836925	1
1	2	10	74.7	1131		2.294425	
2	2	10	98.5	1240		2.594681	
3	3	10	84.5	1851	1836	4.007474	
4	1	10	55			5.000328	
5	2	10	76.1	1225		6.106195	
6	3	10	56	1655	1345	7.562778	
7	2	10	75.4	1727		8.841538	
8	3	10	94	1266	1412	10.408415	
9	2	10	80.9	1966		11.442361	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	76.3	1743	1737	0.692874	
1	2	16	70	1830		0.778639	
2	1	16	62.9			1.492285	
3	2	16	94.1	1544		2.199574	
4	1	16	65			3.458165	
5	1	16	98			4.086882	
6	1	16	98.4			4.603202	
7	2	16	69	1856		5.034505	
8	2	16	53.2	1440		5.92884	1
9	2	16	100	1100		6.41382	
10	2	16	98.9	1165		7.737173	
11	1	16	87.2			8.251935	
12	2	16	83	1586		8.868487	
13	2	16	95.2	1367		9.290816	
14	2	16	61.8	1965		10.435054	
15	2	16	87.7	1108		10.603376	
16	3	16	75.3	1469	1801	11.718329	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	79.7			0.129836	
1	1	15	81.1			1.096188	
2	2	15	52.6	1165		1.810834	
3	1	15	89.9			2.427998	
4	2	15	54.4	1560		2.862202	
5	2	15	83.2	1652		3.204825	
6	2	15	73.7	1477		3.824875	
7	1	15	68.2			4.443853	
8	2	15	90.3	1714		5.430425	
9	2	15	67.8	1132		6.276312	1
10	2	15	88.6	1243		6.70224	
11	3	15	79.3	1377	1402	7.55642	
12	2	15	58.9	1929		7.632018	
13	3	15	98.3	1536	1869	8.715219	
14	2	15	82.3	1304		9.321027	
15	3	15	80.7	1831	1305	9.779408	
16	2	15	95	1274		10.451219	
17	3	15	80.1	1530	1631	11.140006	
18	3	15	90.8	1764	1007	11.929075	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	97.8			0.299096	
1	1	7	80.8			1.685901	
2	2	7	68.9	1596		2.208445	
3	3	7	85.2	1514	1627	3.055243	
4	1	7	94.3			3.452721	
5	1	7	54.7			4.357006	
6	3	7	50.5	1143	1712	5.810701	1
7	3	7	55.4	1257	1175	6.006603	
8	2	7	75.2	1367		7.223622	
9	2	7	95.4	1482		8.258008	
10	2	7	53	1543		8.922318	
11	2	7	62.6	1361		9.926643	
12	1	7	81.9			10.895912	
13	1	7	98.8			11.567992	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	93.4	1184		0.255111	1
1	3	6	64.4	1969	1202	1.019334	
2	2	6	84.5	1953		1.653721	
3	1	6	72.2			1.907096	
4	3	6	95.9	1922	1795	2.814587	
5	1	6	70.3			3.096069	
6	3	6	77.5	1582	1845	3.817801	
7	2	6	64	1571		4.741324	
8	3	6	98.8	1426	1337	5.02629	
9	2	6	66.2	1450		5.623802	
10	2	6	93.8	1123		6.087199	
11	1	6	65.9			6.720717	
12	2	6	50.6	1297		7.367095	
13	3	6	98.7	1920	1517	8.029167	
14	3	6	57.3	1675	1557	8.442185	
15	2	6	87.9	1748		9.540267	
16	3	6	84.2	1527	1736	9.839081	
17	2	6	60.1	1082		10.792044	
18	2	6	73.6	1629		11.035713	
19	2	6	66.9	1958		11.610971	

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	16	52.4	1561		0.007487	1
1	2	16	58.2	1848		0.824906	
2	1	16	51.8			1.927879	
3	2	16	81.4	1096		2.097449	
4	1	16	68.7			2.884079	
5	2	16	88.9	1034		3.351744	
6	2	16	70.8	1590		4.325019	
7	3	16	71.2	1013	1596	5.231635	
8	3	16	62.9	1688	1573	5.473754	
9	3	16	77.4	1624	1303	6.114867	
10	1	16	88.5			6.843334	
11	2	16	59.9	1587		7.455825	
12	1	16	62.4			8.450924	
13	3	16	98.5	1401	1542	8.883574	
14	3	16	99.7	1896	1782	9.569449	
15	2	16	99.5	1639		10.141929	
16	2	16	83.7	1507		10.9512	
17	3	16	55.3	1826	1956	11.985537	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	75.2	1319		0.522744	1
1	1	9	77.6			1.557194	
2	2	9	72.2	1314		2.409689	
3	2	9	90.4	1421		2.844768	
4	2	9	60	1473		3.762951	
5	2	9	56.9	1067		4.964144	
6	2	9	61	1187		5.892892	
7	3	9	78.9	1795	1562	6.004225	
8	3	9	98.6	1258	1493	7.377437	
9	2	9	79.7	1405		8.280034	
10	2	9	65.7	1476		8.666247	
11	3	9	89.2	1757	1280	9.745915	
12	2	9	74.7	1422		10.733448	
13	1	9	85.9			11.791164	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	74.4	1993	1076	0.771326	
1	2	12	77.4	1775		1.501307	
2	3	12	64.3	1633	1585	1.988927	
3	2	12	81.4	1486		2.600983	
4	3	12	75.3	1008	1866	3.898893	
5	2	12	98.2	1664		4.0708	
6	1	12	96.8			5.532206	
7	1	12	60.2			5.791754	1
8	3	12	74.8	1939	1469	6.49568	
9	1	12	85			7.629435	
10	2	12	57.1	1616		8.706599	
11	2	12	70.7	1094		8.815612	
12	2	12	99.2	1499		10.069704	
13	1	12	57.8			10.654348	
14	3	12	52.6	1648	1501	11.39857	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	81.8	1850		0.829731	
1	1	16	85.1			0.948263	
2	2	16	54.2	1723		2.020111	
3	2	16	88.3	1177		3.413452	
4	2	16	84.5	1049		4.335236	
5	3	16	70.4	1347	1465	5.425937	
6	1	16	79.5			6.403127	1
7	2	16	97.5	1471		6.745607	
8	2	16	77.5	1364		7.524612	
9	2	16	62	1703		8.676415	
10	1	16	96.2			9.886615	
11	3	16	55.8	1670	1510	10.299695	
12	2	16	76.9	1609		11.288242	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	65.2	1110	1445	0.177222	
1	1	16	54			1.154093	
2	2	16	58.5	1880		1.778502	
3	1	16	79.4			2.281301	
4	2	16	70.1	1914		3.002682	
5	2	16	93.5	1409		3.574608	
6	2	16	92.8	1769		4.048324	
7	2	16	98.4	1546		4.833422	
8	1	16	91.9			5.370237	
9	1	16	83.7			6.06157	1
10	1	16	72.8			6.405413	
11	2	16	69.9	1138		6.962541	
12	2	16	71.7	1762		7.908978	
13	2	16	97.8	1739		8.718336	
14	2	16	55.7	1947		9.433343	
15	1	16	72.4			9.701524	
16	2	16	91.9	1055		10.138487	
17	3	16	75.3	1846	1725	10.929901	
18	1	16	52.3			11.748415	

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	19	97.6			0.707979	
1	2	19	54.5	1729		1.974821	
2	3	19	99.7	1400	1923	2.723765	
3	2	19	75.5	1591		4.436353	
4	3	19	70.2	1738	1503	5.466768	
5	1	19	76.6			6.211155	1
6	3	19	59.1	1552	1013	8.120615	
7	3	19	83.6	1970	1296	9.051153	
8	2	19	60.8	1040		10.246554	
9	1	19	86.1			10.983088	

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	11	89.7	1769		0.396819	
1	2	11	90	1825		1.568141	
2	3	11	94.3	1771	1489	3.867749	
3	2	11	70.8	1443		4.816737	
4	2	11	73.8	1237		5.837525	1
5	2	11	58.4	1441		7.611485	
6	2	11	72	1828		8.695295	
7	1	11	84.1			9.660975	
8	1	11	88.1			11.51388	

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	60.5	1912		0.271494	
1	2	13	55.9	1982		2.49317	
2	3	13	87.3	1448	1031	3.522737	
3	2	13	98.3	1305		4.608406	
4	3	13	57.5	1967	1641	6.455797	1
5	3	13	63.8	1316	1572	7.05792	
6	2	13	94.2	1737		9.290545	
7	2	13	86.9	1640		9.82705	
8	2	13	71.3	1958		11.023005	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	64.7	1805		0.52041	1
1	3	15	98.4	1526	1298	2.264292	
2	2	15	81.6	1513		2.9977	
3	1	15	56.7			4.006164	
4	2	15	53.7	1943		5.212015	
5	2	15	81.2	1441		6.088805	
6	1	15	96.3			8.292546	
7	1	15	61.3			9.492121	
8	3	15	85.8	1780	1565	10.541883	
9	2	15	88.1	1653		11.403074	

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	92.5	1916		0.642445	1
1	3	19	66.3	1065	1583	1.664431	
2	2	19	94.2	1567		1.86716	
3	3	19	98.1	1309	1526	2.775178	
4	1	19	70.7			3.562567	
5	1	19	94.9			4.503749	
6	2	19	69.8	1941		5.319796	
7	1	19	79.2			6.725278	
8	2	19	50.5	1118		7.14299	
9	1	19	57.2			8.510954	
10	2	19	69.4	1560		8.77832	
11	2	19	65.5	1187		9.856745	
12	3	19	71.4	1852	1248	10.429433	
13	3	19	71.2	1474	1158	11.254805	

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	17	87.6	1466		0.460936	1
1	3	17	74.2	1190	1205	0.861528	
2	2	17	82.5	1844		1.784244	
3	1	17	89.5			2.615792	
4	2	17	62.5	1802		3.972691	
5	2	17	81.2	1110		4.853864	
6	3	17	82.3	1391	1358	5.226838	
7	1	17	55.6			6.522992	
8	2	17	87.9	1737		6.875731	
9	2	17	94.9	1150		8.324347	
10	2	17	73.2	1060		9.32913	
11	1	17	74.7			9.914642	
12	3	17	76.2	1513	1282	11.032842	
13	2	17	75.3	1191		11.32258	

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	8	90.8	1888	1203	0.490011	1
1	2	8	93.9	1036		0.675314	
2	2	8	75.5	1590		1.682678	
3	2	8	61.4	1727		2.296403	
4	2	8	98	1239		2.664888	
5	2	8	65.3	1344		3.336409	
6	2	8	85.9	1271		4.044769	
7	1	8	87.7			4.805013	
8	2	8	58.9	1035		5.112077	
9	3	8	78.7	1849	1001	5.853444	
10	1	8	50.1			6.387948	
11	2	8	84.6	1162		7.225446	
12	1	8	58.4			8.06142	
13	1	8	92.6			8.727976	
14	1	8	52.7			9.275394	
15	3	8	67.5	1908	1347	9.603388	
16	2	8	83.8	1145		10.341689	
17	3	8	73.3	1549	1400	11.290138	
18	2	8	94	1555		11.511881	

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	5548.0, 5721.0, 5463.0, 5441.0, 5261.0, 5723.0, 5298.0, 5510.0, 5670.0, 5712.0, 5508.0, 5388.0, 5492.0, 5433.0, 5680.0, 5584.0, 5648.0, 5633.0, 5595.0, 5264.0, 5312.0, 5469.0, 5292.0, 5279.0, 5447.0, 5647.0, 5269.0, 5392.0, 5367.0, 5455.0, 5398.0, 5489.0, 5666.0, 5250.0, 5677.0, 5632.0, 5519.0, 5621.0, 5347.0, 5525.0, 5669.0, 5385.0, 5277.0, 5578.0, 5498.0, 5554.0, 5409.0, 5287.0, 5608.0, 5400.0, 5306.0, 5443.0, 5258.0, 5596.0, 5481.0, 5642.0, 5477.0, 5545.0, 5301.0, 5700.0, 5688.0, 5424.0, 5697.0, 5413.0, 5577.0, 5299.0, 5323.0, 5331.0, 5598.0, 5591.0, 5359.0, 5531.0, 5517.0, 5709.0, 5499.0, 5419.0, 5426.0, 5708.0, 5602.0, 5427.0, 5293.0, 5692.0, 5536.0, 5280.0, 5580.0, 5572.0, 5393.0, 5310.0, 5561.0, 5722.0, 5569.0, 5284.0, 5652.0, 5518.0, 5365.0, 5655.0, 5484.0, 5475.0, 5512.0, 5568.0 (number of hits: 10)
2	5270	9	1	333	1	5254.0, 5381.0, 5636.0, 5268.0, 5271.0, 5333.0, 5630.0, 5623.0, 5464.0, 5717.0, 5565.0, 5622.0, 5345.0, 5576.0, 5387.0, 5683.0, 5528.0, 5343.0, 5292.0, 5564.0, 5457.0, 5383.0, 5258.0, 5705.0, 5328.0, 5572.0, 5316.0, 5417.0, 5444.0, 5291.0, 5482.0, 5252.0, 5658.0, 5353.0, 5516.0, 5595.0, 5594.0, 5559.0, 5280.0, 5537.0, 5362.0, 5525.0, 5592.0, 5289.0, 5367.0, 5393.0, 5645.0, 5605.0, 5329.0, 5340.0, 5282.0, 5655.0, 5411.0, 5441.0, 5579.0, 5408.0, 5341.0, 5567.0, 5580.0, 5303.0, 5318.0, 5286.0, 5431.0, 5267.0, 5484.0, 5573.0, 5540.0, 5363.0, 5671.0, 5546.0, 5596.0, 5679.0, 5344.0, 5586.0, 5654.0, 5404.0, 5523.0, 5710.0, 5541.0, 5688.0, 5524.0, 5657.0, 5284.0, 5652.0, 5450.0, 5425.0, 5527.0, 5531.0, 5598.0, 5288.0, 5481.0, 5463.0, 5435.0, 5585.0, 5708.0, 5313.0, 5632.0, 5466.0, 5648.0, 5656.0 (number of hits: 12)
3	5270	9	1	333	1	5428.0, 5601.0, 5637.0, 5439.0, 5427.0, 5449.0, 5548.0, 5270.0, 5397.0, 5613.0, 5665.0, 5384.0, 5542.0, 5510.0, 5477.0, 5308.0, 5609.0, 5478.0, 5678.0, 5557.0, 5553.0, 5394.0, 5251.0, 5630.0, 5491.0, 5423.0, 5682.0, 5343.0, 5654.0, 5370.0, 5415.0, 5313.0, 5275.0, 5444.0, 5391.0, 5467.0, 5443.0, 5666.0, 5354.0, 5336.0, 5524.0, 5459.0, 5362.0, 5590.0, 5312.0, 5407.0, 5531.0, 5649.0, 5490.0, 5573.0, 5482.0, 5623.0, 5632.0, 5284.0, 5643.0, 5495.0, 5422.0, 5588.0, 5618.0, 5479.0,

						5475.0, 5575.0, 5487.0, 5350.0, 5555.0, 5640.0, 5373.0, 5271.0, 5280.0, 5505.0, 5424.0, 5293.0, 5420.0, 5652.0, 5558.0, 5338.0, 5714.0, 5701.0, 5595.0, 5488.0, 5438.0, 5696.0, 5304.0, 5636.0, 5662.0, 5328.0, 5704.0, 5528.0, 5279.0, 5341.0, 5332.0, 5554.0, 5496.0, 5326.0, 5252.0, 5473.0, 5448.0, 5669.0, 5624.0, 5435.0 (number of hits: 8)
4	5270	9	1	333	1	5272.0, 5712.0, 5627.0, 5430.0, 5338.0, 5704.0, 5563.0, 5639.0, 5521.0, 5346.0, 5526.0, 5261.0, 5625.0, 5489.0, 5682.0, 5708.0, 5326.0, 5478.0, 5361.0, 5531.0, 5298.0, 5419.0, 5391.0, 5709.0, 5703.0, 5267.0, 5481.0, 5485.0, 5371.0, 5432.0, 5456.0, 5251.0, 5577.0, 5593.0, 5365.0, 5268.0, 5525.0, 5648.0, 5414.0, 5416.0, 5564.0, 5322.0, 5541.0, 5362.0, 5600.0, 5640.0, 5569.0, 5465.0, 5396.0, 5417.0, 5294.0, 5714.0, 5301.0, 5402.0, 5492.0, 5657.0, 5631.0, 5557.0, 5276.0, 5398.0, 5463.0, 5306.0, 5658.0, 5643.0, 5518.0, 5349.0, 5556.0, 5370.0, 5574.0, 5604.0, 5590.0, 5459.0, 5697.0, 5438.0, 5477.0, 5289.0, 5285.0, 5344.0, 5258.0, 5259.0, 5586.0, 5538.0, 5348.0, 5559.0, 5415.0, 5649.0, 5676.0, 5571.0, 5450.0, 5443.0, 5607.0, 5706.0, 5283.0, 5642.0, 5486.0, 5522.0, 5366.0, 5418.0, 5599.0, 5468.0 (number of hits: 11)
5	5270	9	1	333	1	5553.0, 5485.0, 5697.0, 5619.0, 5287.0, 5253.0, 5603.0, 5346.0, 5263.0, 5386.0, 5338.0, 5564.0, 5626.0, 5320.0, 5673.0, 5372.0, 5278.0, 5467.0, 5523.0, 5601.0, 5425.0, 5650.0, 5660.0, 5575.0, 5648.0, 5510.0, 5333.0, 5358.0, 5682.0, 5636.0, 5643.0, 5718.0, 5487.0, 5304.0, 5308.0, 5403.0, 5501.0, 5344.0, 5330.0, 5617.0, 5272.0, 5262.0, 5271.0, 5701.0, 5324.0, 5719.0, 5570.0, 5464.0, 5276.0, 5296.0, 5720.0, 5349.0, 5424.0, 5531.0, 5714.0, 5345.0, 5399.0, 5360.0, 5268.0, 5672.0, 5679.0, 5250.0, 5463.0, 5282.0, 5562.0, 5300.0, 5392.0, 5692.0, 5675.0, 5560.0, 5556.0, 5361.0, 5589.0, 5525.0, 5483.0, 5506.0, 5442.0, 5707.0, 5662.0, 5634.0, 5471.0, 5592.0, 5428.0, 5596.0, 5427.0, 5396.0, 5496.0, 5261.0, 5498.0, 5604.0, 5264.0, 5499.0, 5379.0, 5587.0, 5390.0, 5610.0, 5334.0, 5611.0, 5702.0, 5541.0 (number of hits: 13)
6	5270	9	1	333	1	5580.0, 5696.0, 5288.0, 5635.0, 5394.0, 5283.0, 5395.0, 5302.0, 5443.0, 5473.0, 5636.0, 5390.0, 5669.0, 5327.0, 5341.0, 5338.0, 5507.0, 5533.0, 5454.0, 5598.0, 5712.0, 5677.0, 5264.0, 5398.0, 5366.0, 5558.0, 5422.0, 5407.0, 5349.0, 5254.0, 5265.0, 5681.0, 5274.0, 5450.0, 5324.0, 5645.0, 5659.0, 5306.0, 5714.0, 5413.0,

						5686.0, 5551.0, 5520.0, 5405.0, 5670.0, 5595.0, 5690.0, 5441.0, 5591.0, 5652.0, 5492.0, 5514.0, 5680.0, 5528.0, 5709.0, 5621.0, 5682.0, 5512.0, 5345.0, 5678.0, 5604.0, 5565.0, 5383.0, 5584.0, 5654.0, 5485.0, 5547.0, 5589.0, 5623.0, 5687.0, 5444.0, 5284.0, 5592.0, 5359.0, 5555.0, 5312.0, 5651.0, 5489.0, 5470.0, 5335.0, 5347.0, 5543.0, 5599.0, 5601.0, 5553.0, 5271.0, 5310.0, 5572.0, 5371.0, 5301.0, 5482.0, 5705.0, 5353.0, 5542.0, 5361.0, 5702.0, 5600.0, 5375.0, 5397.0, 5541.0 (number of hits: 8)
7	5270	9	1	333	1	5312.0, 5458.0, 5636.0, 5341.0, 5694.0, 5638.0, 5544.0, 5579.0, 5289.0, 5521.0, 5468.0, 5533.0, 5347.0, 5300.0, 5574.0, 5589.0, 5512.0, 5706.0, 5445.0, 5662.0, 5557.0, 5592.0, 5573.0, 5382.0, 5639.0, 5284.0, 5325.0, 5632.0, 5498.0, 5515.0, 5319.0, 5459.0, 5375.0, 5534.0, 5590.0, 5519.0, 5494.0, 5652.0, 5255.0, 5670.0, 5642.0, 5385.0, 5493.0, 5631.0, 5332.0, 5285.0, 5617.0, 5443.0, 5584.0, 5336.0, 5563.0, 5282.0, 5604.0, 5461.0, 5647.0, 5520.0, 5309.0, 5609.0, 5305.0, 5432.0, 5448.0, 5351.0, 5710.0, 5596.0, 5383.0, 5415.0, 5254.0, 5712.0, 5430.0, 5516.0, 5633.0, 5597.0, 5671.0, 5679.0, 5292.0, 5640.0, 5688.0, 5296.0, 5467.0, 5303.0, 5709.0, 5594.0, 5363.0, 5270.0, 5608.0, 5470.0, 5384.0, 5279.0, 5648.0, 5356.0, 5413.0, 5593.0, 5299.0, 5427.0, 5280.0, 5500.0, 5513.0, 5672.0, 5578.0, 5567.0 (number of hits: 9)
8	5270	9	1	333	1	5284.0, 5405.0, 5601.0, 5720.0, 5426.0, 5621.0, 5646.0, 5464.0, 5265.0, 5396.0, 5370.0, 5403.0, 5433.0, 5570.0, 5707.0, 5610.0, 5299.0, 5443.0, 5294.0, 5494.0, 5655.0, 5502.0, 5314.0, 5311.0, 5629.0, 5551.0, 5524.0, 5600.0, 5411.0, 5394.0, 5430.0, 5686.0, 5685.0, 5253.0, 5715.0, 5522.0, 5328.0, 5352.0, 5354.0, 5620.0, 5420.0, 5279.0, 5504.0, 5487.0, 5544.0, 5478.0, 5517.0, 5367.0, 5691.0, 5637.0, 5348.0, 5254.0, 5415.0, 5696.0, 5274.0, 5259.0, 5613.0, 5351.0, 5295.0, 5343.0, 5373.0, 5724.0, 5336.0, 5543.0, 5625.0, 5313.0, 5300.0, 5323.0, 5598.0, 5712.0, 5701.0, 5633.0, 5639.0, 5474.0, 5510.0, 5683.0, 5424.0, 5422.0, 5418.0, 5564.0, 5261.0, 5609.0, 5454.0, 5520.0, 5699.0, 5611.0, 5280.0, 5461.0, 5563.0, 5321.0, 5428.0, 5675.0, 5372.0, 5567.0, 5446.0, 5282.0, 5572.0, 5371.0, 5475.0, 5651.0 (number of hits: 10)
9	5270	9	1	333	1	5347.0, 5384.0, 5257.0, 5256.0, 5434.0, 5296.0, 5503.0, 5470.0, 5305.0, 5369.0, 5698.0, 5321.0, 5388.0, 5611.0, 5543.0, 5720.0, 5715.0, 5406.0, 5353.0, 5587.0,

						5410.0, 5454.0, 5480.0, 5356.0, 5299.0, 5301.0, 5690.0, 5329.0, 5294.0, 5702.0, 5582.0, 5518.0, 5526.0, 5458.0, 5444.0, 5499.0, 5514.0, 5295.0, 5396.0, 5443.0, 5275.0, 5559.0, 5357.0, 5579.0, 5621.0, 5569.0, 5674.0, 5670.0, 5498.0, 5694.0, 5677.0, 5583.0, 5390.0, 5496.0, 5324.0, 5268.0, 5411.0, 5532.0, 5340.0, 5703.0, 5359.0, 5564.0, 5428.0, 5452.0, 5362.0, 5476.0, 5570.0, 5374.0, 5314.0, 5372.0, 5618.0, 5572.0, 5612.0, 5534.0, 5634.0, 5707.0, 5713.0, 5705.0, 5325.0, 5656.0, 5598.0, 5588.0, 5323.0, 5364.0, 5442.0, 5317.0, 5386.0, 5643.0, 5657.0, 5709.0, 5290.0, 5292.0, 5460.0, 5264.0, 5550.0, 5343.0, 5585.0, 5328.0, 5309.0, 5500.0 (number of hits: 5)
10	5270	9	1	333	1	5662.0, 5487.0, 5485.0, 5595.0, 5525.0, 5687.0, 5552.0, 5267.0, 5663.0, 5492.0, 5712.0, 5482.0, 5328.0, 5425.0, 5423.0, 5320.0, 5453.0, 5505.0, 5389.0, 5677.0, 5720.0, 5439.0, 5674.0, 5375.0, 5509.0, 5565.0, 5272.0, 5695.0, 5532.0, 5521.0, 5284.0, 5435.0, 5413.0, 5709.0, 5399.0, 5396.0, 5495.0, 5479.0, 5587.0, 5335.0, 5664.0, 5693.0, 5612.0, 5308.0, 5694.0, 5288.0, 5507.0, 5289.0, 5310.0, 5515.0, 5557.0, 5410.0, 5564.0, 5454.0, 5475.0, 5322.0, 5585.0, 5578.0, 5362.0, 5555.0, 5676.0, 5494.0, 5591.0, 5633.0, 5409.0, 5341.0, 5628.0, 5501.0, 5681.0, 5489.0, 5418.0, 5285.0, 5370.0, 5337.0, 5412.0, 5366.0, 5596.0, 5511.0, 5707.0, 5263.0, 5497.0, 5255.0, 5395.0, 5340.0, 5403.0, 5429.0, 5550.0, 5290.0, 5502.0, 5652.0, 5299.0, 5253.0, 5444.0, 5678.0, 5657.0, 5708.0, 5593.0, 5355.0, 5421.0, 5313.0 (number of hits: 9)
11	5270	9	1	333	1	5579.0, 5465.0, 5413.0, 5491.0, 5643.0, 5294.0, 5523.0, 5437.0, 5584.0, 5382.0, 5527.0, 5575.0, 5457.0, 5562.0, 5299.0, 5463.0, 5445.0, 5504.0, 5642.0, 5284.0, 5618.0, 5705.0, 5661.0, 5293.0, 5685.0, 5370.0, 5583.0, 5640.0, 5464.0, 5641.0, 5474.0, 5269.0, 5254.0, 5310.0, 5456.0, 5662.0, 5678.0, 5277.0, 5616.0, 5306.0, 5485.0, 5682.0, 5316.0, 5581.0, 5710.0, 5683.0, 5440.0, 5423.0, 5636.0, 5405.0, 5596.0, 5484.0, 5495.0, 5550.0, 5273.0, 5324.0, 5432.0, 5519.0, 5510.0, 5672.0, 5297.0, 5385.0, 5473.0, 5287.0, 5391.0, 5286.0, 5714.0, 5326.0, 5427.0, 5553.0, 5487.0, 5611.0, 5601.0, 5356.0, 5279.0, 5421.0, 5411.0, 5253.0, 5377.0, 5322.0, 5403.0, 5347.0, 5335.0, 5320.0, 5708.0, 5257.0, 5486.0, 5477.0, 5469.0, 5564.0, 5593.0, 5343.0, 5283.0, 5623.0, 5552.0, 5627.0, 5450.0, 5461.0, 5577.0, 5556.0 (number of hits: 11)

12	5270	9	1	333	1	5345.0, 5396.0, 5263.0, 5503.0, 5494.0, 5407.0, 5382.0, 5717.0, 5448.0, 5358.0, 5560.0, 5331.0, 5349.0, 5451.0, 5374.0, 5588.0, 5534.0, 5475.0, 5489.0, 5635.0, 5344.0, 5488.0, 5596.0, 5260.0, 5253.0, 5442.0, 5628.0, 5384.0, 5667.0, 5691.0, 5287.0, 5697.0, 5556.0, 5257.0, 5399.0, 5291.0, 5510.0, 5269.0, 5644.0, 5590.0, 5506.0, 5491.0, 5334.0, 5250.0, 5723.0, 5388.0, 5716.0, 5397.0, 5385.0, 5254.0, 5671.0, 5525.0, 5305.0, 5620.0, 5496.0, 5298.0, 5571.0, 5658.0, 5552.0, 5699.0, 5316.0, 5483.0, 5389.0, 5659.0, 5367.0, 5532.0, 5447.0, 5456.0, 5648.0, 5540.0, 5394.0, 5574.0, 5309.0, 5680.0, 5343.0, 5497.0, 5256.0, 5555.0, 5294.0, 5700.0, 5355.0, 5258.0, 5363.0, 5493.0, 5672.0, 5471.0, 5375.0, 5660.0, 5708.0, 5338.0, 5336.0, 5452.0, 5321.0, 5350.0, 5645.0, 5443.0, 5692.0, 5430.0, 5317.0, 5339.0 (number of hits: 10)
13	5270	9	1	333	1	5437.0, 5517.0, 5636.0, 5668.0, 5315.0, 5327.0, 5535.0, 5551.0, 5717.0, 5424.0, 5604.0, 5607.0, 5575.0, 5691.0, 5466.0, 5462.0, 5281.0, 5398.0, 5476.0, 5684.0, 5713.0, 5267.0, 5634.0, 5641.0, 5598.0, 5422.0, 5547.0, 5370.0, 5565.0, 5330.0, 5611.0, 5679.0, 5449.0, 5490.0, 5400.0, 5478.0, 5539.0, 5521.0, 5277.0, 5312.0, 5578.0, 5642.0, 5418.0, 5264.0, 5346.0, 5680.0, 5332.0, 5309.0, 5440.0, 5447.0, 5364.0, 5438.0, 5266.0, 5543.0, 5654.0, 5630.0, 5317.0, 5629.0, 5302.0, 5404.0, 5427.0, 5509.0, 5572.0, 5425.0, 5303.0, 5513.0, 5454.0, 5507.0, 5542.0, 5368.0, 5273.0, 5645.0, 5417.0, 5434.0, 5369.0, 5298.0, 5672.0, 5559.0, 5307.0, 5566.0, 5719.0, 5263.0, 5708.0, 5576.0, 5321.0, 5678.0, 5435.0, 5365.0, 5431.0, 5326.0, 5258.0, 5499.0, 5455.0, 5505.0, 5718.0, 5489.0, 5308.0, 5260.0, 5253.0, 5500.0 (number of hits: 10)
14	5270	9	1	333	1	5601.0, 5439.0, 5558.0, 5476.0, 5530.0, 5628.0, 5471.0, 5284.0, 5298.0, 5430.0, 5624.0, 5533.0, 5658.0, 5589.0, 5390.0, 5548.0, 5388.0, 5304.0, 5360.0, 5579.0, 5387.0, 5660.0, 5488.0, 5312.0, 5450.0, 5395.0, 5468.0, 5541.0, 5413.0, 5597.0, 5411.0, 5400.0, 5318.0, 5333.0, 5393.0, 5557.0, 5266.0, 5704.0, 5262.0, 5324.0, 5605.0, 5466.0, 5296.0, 5670.0, 5720.0, 5286.0, 5481.0, 5673.0, 5252.0, 5524.0, 5467.0, 5550.0, 5592.0, 5616.0, 5544.0, 5403.0, 5293.0, 5285.0, 5724.0, 5708.0, 5564.0, 5265.0, 5505.0, 5568.0, 5626.0, 5527.0, 5277.0, 5647.0, 5682.0, 5519.0, 5477.0, 5331.0, 5590.0, 5617.0, 5381.0, 5625.0, 5686.0, 5453.0, 5316.0, 5290.0, 5459.0, 5510.0, 5675.0, 5257.0, 5614.0,

						5610.0, 5712.0, 5508.0, 5696.0, 5385.0, 5292.0, 5636.0, 5632.0, 5272.0, 5372.0, 5683.0, 5540.0, 5543.0, 5499.0, 5643.0 (number of hits: 10)
15	5270	9	1	333	1	5273.0, 5624.0, 5271.0, 5477.0, 5674.0, 5361.0, 5441.0, 5331.0, 5382.0, 5282.0, 5493.0, 5471.0, 5449.0, 5630.0, 5642.0, 5459.0, 5286.0, 5562.0, 5711.0, 5312.0, 5508.0, 5702.0, 5410.0, 5322.0, 5261.0, 5333.0, 5349.0, 5309.0, 5571.0, 5657.0, 5472.0, 5418.0, 5700.0, 5420.0, 5292.0, 5545.0, 5421.0, 5437.0, 5303.0, 5352.0, 5285.0, 5317.0, 5344.0, 5372.0, 5260.0, 5570.0, 5254.0, 5668.0, 5654.0, 5596.0, 5538.0, 5701.0, 5278.0, 5523.0, 5315.0, 5671.0, 5520.0, 5607.0, 5413.0, 5415.0, 5318.0, 5373.0, 5672.0, 5524.0, 5708.0, 5479.0, 5253.0, 5250.0, 5446.0, 5452.0, 5705.0, 5425.0, 5638.0, 5618.0, 5548.0, 5713.0, 5611.0, 5687.0, 5390.0, 5397.0, 5306.0, 5490.0, 5577.0, 5670.0, 5409.0, 5628.0, 5291.0, 5578.0, 5351.0, 5376.0, 5436.0, 5644.0, 5378.0, 5368.0, 5681.0, 5529.0, 5474.0, 5444.0, 5566.0, 5626.0 (number of hits: 11)
16	5270	9	1	333	1	5295.0, 5522.0, 5267.0, 5678.0, 5525.0, 5576.0, 5543.0, 5526.0, 5383.0, 5603.0, 5575.0, 5630.0, 5565.0, 5633.0, 5489.0, 5659.0, 5528.0, 5619.0, 5484.0, 5390.0, 5478.0, 5368.0, 5710.0, 5470.0, 5326.0, 5263.0, 5498.0, 5397.0, 5443.0, 5361.0, 5327.0, 5307.0, 5406.0, 5673.0, 5428.0, 5689.0, 5331.0, 5549.0, 5693.0, 5721.0, 5705.0, 5446.0, 5379.0, 5418.0, 5657.0, 5482.0, 5680.0, 5284.0, 5346.0, 5615.0, 5713.0, 5685.0, 5476.0, 5398.0, 5670.0, 5413.0, 5545.0, 5600.0, 5653.0, 5695.0, 5626.0, 5292.0, 5427.0, 5612.0, 5290.0, 5305.0, 5627.0, 5688.0, 5319.0, 5371.0, 5278.0, 5441.0, 5251.0, 5493.0, 5400.0, 5463.0, 5573.0, 5604.0, 5337.0, 5579.0, 5468.0, 5274.0, 5325.0, 5715.0, 5613.0, 5552.0, 5309.0, 5360.0, 5405.0, 5347.0, 5354.0, 5501.0, 5707.0, 5260.0, 5313.0, 5362.0, 5287.0, 5436.0, 5521.0, 5538.0 (number of hits: 8)
17	5270	9	1	333	1	5385.0, 5300.0, 5448.0, 5434.0, 5268.0, 5339.0, 5493.0, 5283.0, 5638.0, 5252.0, 5320.0, 5500.0, 5272.0, 5288.0, 5651.0, 5390.0, 5561.0, 5263.0, 5698.0, 5668.0, 5370.0, 5328.0, 5491.0, 5528.0, 5552.0, 5655.0, 5681.0, 5476.0, 5397.0, 5720.0, 5457.0, 5307.0, 5489.0, 5591.0, 5446.0, 5424.0, 5539.0, 5501.0, 5572.0, 5566.0, 5396.0, 5258.0, 5270.0, 5497.0, 5409.0, 5492.0, 5614.0, 5529.0, 5469.0, 5663.0, 5600.0, 5286.0, 5408.0, 5510.0, 5345.0, 5558.0, 5338.0, 5366.0, 5587.0, 5642.0, 5454.0, 5418.0, 5516.0, 5577.0, 5671.0,

						5266.0, 5541.0, 5568.0, 5545.0, 5659.0, 5622.0, 5442.0, 5588.0, 5519.0, 5682.0, 5326.0, 5471.0, 5316.0, 5429.0, 5324.0, 5399.0, 5257.0, 5603.0, 5582.0, 5608.0, 5710.0, 5360.0, 5335.0, 5550.0, 5696.0, 5364.0, 5450.0, 5512.0, 5401.0, 5287.0, 5623.0, 5296.0, 5676.0, 5511.0, 5269.0 (number of hits: 13)
18	5270	9	1	333	1	5546.0, 5425.0, 5334.0, 5274.0, 5495.0, 5459.0, 5381.0, 5266.0, 5323.0, 5386.0, 5350.0, 5522.0, 5589.0, 5721.0, 5628.0, 5604.0, 5540.0, 5431.0, 5539.0, 5473.0, 5666.0, 5671.0, 5609.0, 5675.0, 5618.0, 5693.0, 5627.0, 5525.0, 5707.0, 5256.0, 5625.0, 5579.0, 5703.0, 5367.0, 5661.0, 5531.0, 5563.0, 5548.0, 5340.0, 5578.0, 5565.0, 5325.0, 5385.0, 5448.0, 5593.0, 5515.0, 5327.0, 5601.0, 5296.0, 5253.0, 5291.0, 5388.0, 5624.0, 5709.0, 5337.0, 5630.0, 5496.0, 5349.0, 5372.0, 5509.0, 5398.0, 5404.0, 5481.0, 5673.0, 5519.0, 5694.0, 5702.0, 5358.0, 5464.0, 5301.0, 5484.0, 5401.0, 5652.0, 5373.0, 5389.0, 5505.0, 5494.0, 5469.0, 5328.0, 5514.0, 5285.0, 5363.0, 5516.0, 5376.0, 5371.0, 5354.0, 5269.0, 5275.0, 5553.0, 5294.0, 5362.0, 5336.0, 5664.0, 5263.0, 5590.0, 5420.0, 5260.0, 5402.0, 5512.0, 5574.0 (number of hits: 9)
19	5270	9	1	333	1	5724.0, 5324.0, 5267.0, 5510.0, 5420.0, 5627.0, 5460.0, 5325.0, 5660.0, 5465.0, 5275.0, 5254.0, 5361.0, 5357.0, 5716.0, 5650.0, 5619.0, 5316.0, 5302.0, 5385.0, 5263.0, 5694.0, 5552.0, 5343.0, 5532.0, 5538.0, 5706.0, 5257.0, 5442.0, 5487.0, 5377.0, 5617.0, 5405.0, 5504.0, 5329.0, 5503.0, 5330.0, 5626.0, 5515.0, 5672.0, 5259.0, 5571.0, 5599.0, 5630.0, 5703.0, 5547.0, 5638.0, 5556.0, 5265.0, 5622.0, 5426.0, 5346.0, 5272.0, 5370.0, 5511.0, 5534.0, 5495.0, 5421.0, 5294.0, 5271.0, 5270.0, 5416.0, 5707.0, 5663.0, 5649.0, 5528.0, 5602.0, 5519.0, 5322.0, 5428.0, 5648.0, 5670.0, 5537.0, 5389.0, 5681.0, 5655.0, 5569.0, 5298.0, 5387.0, 5494.0, 5301.0, 5383.0, 5604.0, 5363.0, 5613.0, 5698.0, 5336.0, 5548.0, 5470.0, 5458.0, 5477.0, 5592.0, 5666.0, 5575.0, 5601.0, 5720.0, 5623.0, 5319.0, 5533.0, 5567.0 (number of hits: 10)
20	5270	9	1	333	1	5545.0, 5699.0, 5695.0, 5260.0, 5587.0, 5719.0, 5439.0, 5400.0, 5361.0, 5508.0, 5634.0, 5491.0, 5600.0, 5489.0, 5333.0, 5575.0, 5601.0, 5536.0, 5462.0, 5352.0, 5532.0, 5252.0, 5579.0, 5291.0, 5427.0, 5592.0, 5327.0, 5641.0, 5347.0, 5678.0, 5687.0, 5255.0, 5617.0, 5710.0, 5285.0, 5546.0, 5567.0, 5337.0, 5549.0, 5653.0, 5630.0, 5698.0, 5589.0, 5275.0, 5513.0,

						5504.0, 5613.0, 5666.0, 5419.0, 5263.0, 5651.0, 5665.0, 5375.0, 5523.0, 5686.0, 5467.0, 5435.0, 5648.0, 5320.0, 5444.0, 5265.0, 5564.0, 5576.0, 5463.0, 5345.0, 5543.0, 5468.0, 5281.0, 5412.0, 5482.0, 5446.0, 5633.0, 5390.0, 5341.0, 5602.0, 5479.0, 5284.0, 5511.0, 5608.0, 5569.0, 5663.0, 5631.0, 5516.0, 5351.0, 5487.0, 5447.0, 5371.0, 5537.0, 5619.0, 5330.0, 5406.0, 5414.0, 5672.0, 5387.0, 5303.0, 5389.0, 5595.0, 5484.0, 5393.0, 5492.0 (number of hits: 9)
21	5270	9	1	333	1	5676.0, 5551.0, 5336.0, 5493.0, 5591.0, 5474.0, 5637.0, 5371.0, 5594.0, 5433.0, 5635.0, 5380.0, 5492.0, 5288.0, 5338.0, 5425.0, 5633.0, 5601.0, 5320.0, 5675.0, 5715.0, 5572.0, 5366.0, 5262.0, 5490.0, 5309.0, 5606.0, 5477.0, 5669.0, 5339.0, 5499.0, 5702.0, 5341.0, 5711.0, 5502.0, 5266.0, 5333.0, 5681.0, 5654.0, 5307.0, 5528.0, 5636.0, 5526.0, 5503.0, 5327.0, 5588.0, 5409.0, 5434.0, 5268.0, 5376.0, 5326.0, 5298.0, 5430.0, 5383.0, 5626.0, 5354.0, 5716.0, 5695.0, 5706.0, 5521.0, 5251.0, 5321.0, 5501.0, 5279.0, 5431.0, 5598.0, 5340.0, 5495.0, 5448.0, 5295.0, 5417.0, 5558.0, 5265.0, 5508.0, 5277.0, 5667.0, 5692.0, 5322.0, 5442.0, 5599.0, 5318.0, 5396.0, 5283.0, 5660.0, 5261.0, 5655.0, 5352.0, 5553.0, 5449.0, 5661.0, 5665.0, 5718.0, 5462.0, 5426.0, 5264.0, 5364.0, 5586.0, 5254.0, 5571.0, 5516.0 (number of hits: 12)
22	5270	9	1	333	1	5696.0, 5532.0, 5597.0, 5414.0, 5473.0, 5432.0, 5566.0, 5471.0, 5479.0, 5652.0, 5719.0, 5494.0, 5498.0, 5330.0, 5708.0, 5573.0, 5722.0, 5428.0, 5410.0, 5466.0, 5409.0, 5658.0, 5423.0, 5351.0, 5563.0, 5713.0, 5455.0, 5301.0, 5376.0, 5701.0, 5337.0, 5458.0, 5557.0, 5544.0, 5349.0, 5654.0, 5574.0, 5681.0, 5381.0, 5629.0, 5375.0, 5312.0, 5362.0, 5300.0, 5311.0, 5503.0, 5266.0, 5622.0, 5459.0, 5441.0, 5274.0, 5711.0, 5359.0, 5677.0, 5667.0, 5679.0, 5355.0, 5446.0, 5690.0, 5530.0, 5445.0, 5422.0, 5438.0, 5267.0, 5683.0, 5615.0, 5500.0, 5372.0, 5313.0, 5276.0, 5645.0, 5682.0, 5496.0, 5514.0, 5702.0, 5520.0, 5427.0, 5470.0, 5616.0, 5325.0, 5291.0, 5433.0, 5448.0, 5648.0, 5571.0, 5326.0, 5436.0, 5395.0, 5419.0, 5499.0, 5600.0, 5489.0, 5397.0, 5271.0, 5492.0, 5705.0, 5465.0, 5358.0, 5469.0, 5367.0 (number of hits: 5)
23	5270	9	1	333	1	5440.0, 5426.0, 5340.0, 5630.0, 5338.0, 5378.0, 5537.0, 5571.0, 5614.0, 5363.0, 5410.0, 5262.0, 5550.0, 5263.0, 5484.0, 5303.0, 5687.0, 5591.0, 5589.0, 5640.0, 5318.0, 5289.0, 5478.0, 5285.0, 5273.0,

						5486.0, 5325.0, 5569.0, 5535.0, 5496.0, 5343.0, 5574.0, 5275.0, 5415.0, 5543.0, 5476.0, 5511.0, 5592.0, 5633.0, 5557.0, 5570.0, 5580.0, 5361.0, 5455.0, 5566.0, 5694.0, 5341.0, 5656.0, 5619.0, 5485.0, 5367.0, 5512.0, 5445.0, 5449.0, 5313.0, 5356.0, 5448.0, 5351.0, 5316.0, 5538.0, 5509.0, 5336.0, 5527.0, 5626.0, 5453.0, 5321.0, 5302.0, 5304.0, 5650.0, 5676.0, 5552.0, 5530.0, 5392.0, 5441.0, 5393.0, 5407.0, 5684.0, 5274.0, 5294.0, 5309.0, 5665.0, 5469.0, 5689.0, 5349.0, 5292.0, 5691.0, 5533.0, 5596.0, 5282.0, 5573.0, 5677.0, 5286.0, 5409.0, 5482.0, 5700.0, 5664.0, 5401.0, 5413.0, 5525.0, 5305.0 (number of hits: 9)
24	5270	9	1	333	1	5361.0, 5695.0, 5509.0, 5369.0, 5505.0, 5359.0, 5370.0, 5658.0, 5705.0, 5444.0, 5586.0, 5440.0, 5414.0, 5418.0, 5723.0, 5572.0, 5321.0, 5649.0, 5637.0, 5437.0, 5683.0, 5554.0, 5455.0, 5438.0, 5434.0, 5386.0, 5267.0, 5268.0, 5664.0, 5408.0, 5675.0, 5347.0, 5450.0, 5627.0, 5698.0, 5480.0, 5417.0, 5650.0, 5653.0, 5366.0, 5319.0, 5396.0, 5425.0, 5707.0, 5672.0, 5601.0, 5292.0, 5569.0, 5567.0, 5661.0, 5443.0, 5405.0, 5355.0, 5520.0, 5629.0, 5335.0, 5577.0, 5654.0, 5517.0, 5721.0, 5261.0, 5670.0, 5537.0, 5344.0, 5441.0, 5348.0, 5454.0, 5312.0, 5382.0, 5703.0, 5607.0, 5275.0, 5542.0, 5453.0, 5538.0, 5582.0, 5657.0, 5398.0, 5464.0, 5326.0, 5291.0, 5459.0, 5529.0, 5439.0, 5540.0, 5604.0, 5625.0, 5297.0, 5255.0, 5571.0, 5324.0, 5458.0, 5384.0, 5257.0, 5337.0, 5533.0, 5340.0, 5373.0, 5269.0, 5494.0 (number of hits: 7)
25	5270	9	1	333	1	5406.0, 5448.0, 5462.0, 5424.0, 5591.0, 5612.0, 5465.0, 5305.0, 5353.0, 5540.0, 5669.0, 5279.0, 5496.0, 5258.0, 5666.0, 5422.0, 5370.0, 5294.0, 5280.0, 5650.0, 5662.0, 5617.0, 5679.0, 5519.0, 5384.0, 5299.0, 5269.0, 5520.0, 5492.0, 5255.0, 5320.0, 5459.0, 5418.0, 5378.0, 5454.0, 5630.0, 5278.0, 5574.0, 5330.0, 5510.0, 5550.0, 5277.0, 5401.0, 5573.0, 5453.0, 5608.0, 5577.0, 5644.0, 5576.0, 5538.0, 5625.0, 5508.0, 5654.0, 5468.0, 5460.0, 5478.0, 5402.0, 5347.0, 5275.0, 5521.0, 5692.0, 5398.0, 5313.0, 5329.0, 5581.0, 5395.0, 5291.0, 5325.0, 5390.0, 5304.0, 5564.0, 5259.0, 5322.0, 5639.0, 5712.0, 5413.0, 5474.0, 5428.0, 5339.0, 5494.0, 5572.0, 5443.0, 5470.0, 5503.0, 5569.0, 5684.0, 5281.0, 5523.0, 5439.0, 5687.0, 5356.0, 5381.0, 5271.0, 5284.0, 5452.0, 5476.0, 5362.0, 5522.0, 5355.0, 5634.0 (number of hits: 12)
26	5270	9	1	333	1	5594.0, 5428.0, 5719.0, 5344.0, 5722.0,

						5568.0, 5265.0, 5659.0, 5263.0, 5406.0, 5550.0, 5514.0, 5394.0, 5327.0, 5723.0, 5477.0, 5640.0, 5669.0, 5526.0, 5603.0, 5273.0, 5596.0, 5303.0, 5705.0, 5676.0, 5382.0, 5668.0, 5277.0, 5623.0, 5322.0, 5707.0, 5254.0, 5604.0, 5458.0, 5279.0, 5721.0, 5527.0, 5404.0, 5653.0, 5427.0, 5442.0, 5371.0, 5399.0, 5307.0, 5627.0, 5456.0, 5515.0, 5524.0, 5468.0, 5626.0, 5704.0, 5505.0, 5381.0, 5525.0, 5480.0, 5449.0, 5516.0, 5470.0, 5497.0, 5629.0, 5257.0, 5451.0, 5714.0, 5354.0, 5375.0, 5255.0, 5256.0, 5571.0, 5530.0, 5576.0, 5384.0, 5332.0, 5487.0, 5694.0, 5701.0, 5441.0, 5489.0, 5431.0, 5331.0, 5665.0, 5529.0, 5436.0, 5318.0, 5554.0, 5453.0, 5415.0, 5574.0, 5368.0, 5583.0, 5608.0, 5667.0, 5605.0, 5593.0, 5455.0, 5491.0, 5308.0, 5280.0, 5585.0, 5408.0, 5278.0 (number of hits: 11)
27	5270	9	1	333	1	5627.0, 5445.0, 5649.0, 5459.0, 5461.0, 5604.0, 5688.0, 5413.0, 5634.0, 5524.0, 5665.0, 5525.0, 5303.0, 5399.0, 5648.0, 5553.0, 5425.0, 5427.0, 5519.0, 5411.0, 5531.0, 5721.0, 5575.0, 5660.0, 5511.0, 5666.0, 5367.0, 5273.0, 5600.0, 5706.0, 5476.0, 5549.0, 5364.0, 5391.0, 5540.0, 5633.0, 5430.0, 5360.0, 5621.0, 5338.0, 5628.0, 5403.0, 5690.0, 5323.0, 5392.0, 5581.0, 5386.0, 5514.0, 5539.0, 5324.0, 5312.0, 5709.0, 5478.0, 5352.0, 5675.0, 5526.0, 5691.0, 5318.0, 5332.0, 5590.0, 5620.0, 5434.0, 5554.0, 5565.0, 5426.0, 5350.0, 5587.0, 5253.0, 5629.0, 5566.0, 5723.0, 5538.0, 5642.0, 5354.0, 5636.0, 5261.0, 5408.0, 5451.0, 5705.0, 5529.0, 5414.0, 5454.0, 5608.0, 5659.0, 5475.0, 5496.0, 5646.0, 5419.0, 5464.0, 5591.0, 5255.0, 5647.0, 5517.0, 5502.0, 5455.0, 5674.0, 5274.0, 5310.0, 5368.0, 5290.0 (number of hits: 5)
28	5270	9	1	333	1	5459.0, 5674.0, 5481.0, 5652.0, 5394.0, 5476.0, 5490.0, 5388.0, 5493.0, 5620.0, 5517.0, 5273.0, 5491.0, 5723.0, 5579.0, 5410.0, 5497.0, 5546.0, 5387.0, 5359.0, 5366.0, 5554.0, 5682.0, 5597.0, 5450.0, 5613.0, 5580.0, 5645.0, 5648.0, 5540.0, 5383.0, 5369.0, 5713.0, 5444.0, 5500.0, 5457.0, 5656.0, 5408.0, 5443.0, 5327.0, 5426.0, 5412.0, 5396.0, 5479.0, 5468.0, 5631.0, 5405.0, 5609.0, 5534.0, 5257.0, 5296.0, 5284.0, 5615.0, 5673.0, 5484.0, 5638.0, 5604.0, 5400.0, 5600.0, 5254.0, 5618.0, 5271.0, 5630.0, 5582.0, 5515.0, 5447.0, 5390.0, 5675.0, 5642.0, 5446.0, 5428.0, 5333.0, 5427.0, 5558.0, 5521.0, 5552.0, 5467.0, 5378.0, 5589.0, 5690.0, 5465.0, 5420.0, 5576.0, 5691.0, 5409.0, 5298.0, 5542.0, 5531.0, 5701.0, 5519.0,

						5524.0, 5509.0, 5347.0, 5494.0, 5635.0, 5335.0, 5338.0, 5651.0, 5722.0, 5637.0 (number of hits: 5)
29	5270	9	1	333	1	5251.0, 5388.0, 5320.0, 5508.0, 5313.0, 5381.0, 5598.0, 5566.0, 5354.0, 5305.0, 5367.0, 5402.0, 5668.0, 5652.0, 5535.0, 5299.0, 5373.0, 5392.0, 5545.0, 5656.0, 5532.0, 5622.0, 5573.0, 5708.0, 5472.0, 5688.0, 5623.0, 5593.0, 5334.0, 5452.0, 5494.0, 5587.0, 5462.0, 5626.0, 5273.0, 5588.0, 5295.0, 5437.0, 5398.0, 5657.0, 5628.0, 5484.0, 5641.0, 5415.0, 5286.0, 5665.0, 5262.0, 5547.0, 5363.0, 5615.0, 5331.0, 5355.0, 5284.0, 5559.0, 5629.0, 5445.0, 5661.0, 5659.0, 5416.0, 5440.0, 5550.0, 5516.0, 5503.0, 5385.0, 5599.0, 5349.0, 5479.0, 5504.0, 5266.0, 5502.0, 5311.0, 5332.0, 5667.0, 5318.0, 5309.0, 5383.0, 5258.0, 5686.0, 5712.0, 5405.0, 5700.0, 5570.0, 5291.0, 5497.0, 5268.0, 5330.0, 5680.0, 5339.0, 5468.0, 5483.0, 5420.0, 5689.0, 5489.0, 5308.0, 5678.0, 5523.0, 5613.0, 5580.0, 5321.0, 5546.0 (number of hits: 8)
30	5270	9	1	333	1	5300.0, 5469.0, 5407.0, 5658.0, 5690.0, 5528.0, 5363.0, 5718.0, 5280.0, 5535.0, 5405.0, 5364.0, 5310.0, 5567.0, 5459.0, 5388.0, 5561.0, 5357.0, 5395.0, 5713.0, 5496.0, 5584.0, 5580.0, 5377.0, 5534.0, 5262.0, 5633.0, 5606.0, 5397.0, 5424.0, 5508.0, 5439.0, 5375.0, 5339.0, 5532.0, 5653.0, 5470.0, 5531.0, 5708.0, 5365.0, 5615.0, 5604.0, 5603.0, 5468.0, 5417.0, 5659.0, 5694.0, 5641.0, 5629.0, 5691.0, 5524.0, 5251.0, 5432.0, 5577.0, 5285.0, 5632.0, 5298.0, 5506.0, 5582.0, 5335.0, 5415.0, 5370.0, 5605.0, 5430.0, 5258.0, 5392.0, 5465.0, 5292.0, 5683.0, 5721.0, 5573.0, 5716.0, 5284.0, 5399.0, 5268.0, 5320.0, 5488.0, 5692.0, 5394.0, 5714.0, 5383.0, 5277.0, 5343.0, 5675.0, 5385.0, 5689.0, 5595.0, 5712.0, 5273.0, 5684.0, 5681.0, 5700.0, 5723.0, 5701.0, 5522.0, 5706.0, 5695.0, 5275.0, 5420.0, 5373.0 (number of hits: 10)

5290 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.33 %	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	98.33 %	80%	Pass
Type 5	30	93.33 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5290 MHz, 80 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	72	1	738	1
2	5290	78	1	678	1
3	5290	83	1	638	1
4	5290	74	1	718	1
5	5290	57	1	938	1
6	5290	99	1	538	1
7	5290	61	1	878	1
8	5290	70	1	758	1
9	5290	63	1	838	1
10	5290	58	1	918	1
11	5290	86	1	618	1
12	5290	92	1	578	1
13	5290	62	1	858	0
14	5290	59	1	898	0
15	5290	95	1	558	1
16	5290	27	1	2028	1
17	5290	70	1	756	1
18	5290	22	1	2501	1
19	5290	21	1	2630	1
20	5290	88	1	603	1
21	5290	45	1	1176	1
22	5290	24	1	2280	1
23	5290	26	1	2094	1
24	5290	76	1	703	1
25	5290	43	1	1234	1
26	5290	20	1	2645	1
27	5290	56	1	947	1
28	5290	30	1	1792	1
29	5290	28	1	1895	1
30	5290	21	1	2541	1
Detection Percentage: 93.33 % (>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	26	1.8	223	1
2	5290	27	2.2	229	1
3	5290	25	3.9	158	1
4	5290	28	1.8	186	1
5	5290	26	4.7	216	1
6	5290	23	1.1	165	1
7	5290	23	2.5	181	1
8	5290	23	4.3	170	1
9	5290	27	5	226	1
10	5290	27	3.9	197	1
11	5290	29	1.6	174	1
12	5290	29	3.6	194	1
13	5290	24	2.5	153	1
14	5290	27	3.1	196	1
15	5290	28	1.3	213	1
16	5290	25	4.8	201	1
17	5290	26	4.2	217	1
18	5290	26	2.5	186	1
19	5290	28	4.5	176	1
20	5290	26	3.9	154	1
21	5290	28	4.4	170	1
22	5290	28	3.1	218	1
23	5290	29	1	185	1
24	5290	25	2.3	163	1
25	5290	23	2.2	176	1
26	5290	29	1.2	204	1
27	5290	29	1.5	175	1
28	5290	26	4.8	158	1
29	5290	28	1.3	160	1
30	5290	23	2.1	177	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	17	9.3	295	1
2	5290	18	7	472	1
3	5290	16	7.5	298	1
4	5290	17	9.3	286	1
5	5290	18	7.1	415	1
6	5290	16	7.6	353	1
7	5290	18	6.1	446	1
8	5290	18	9.9	376	1
9	5290	16	6.5	305	1
10	5290	18	7.4	288	1
11	5290	18	7.7	474	1
12	5290	18	7.4	335	1
13	5290	17	6.5	342	1
14	5290	18	8.9	336	1
15	5290	17	9.7	291	1
16	5290	17	7.6	338	1
17	5290	18	6	300	1
18	5290	18	7.1	312	1
19	5290	17	9.5	495	1
20	5290	16	8	292	1
21	5290	16	10	308	1
22	5290	17	7.7	328	1
23	5290	17	9.9	269	1
24	5290	16	9.9	488	1
25	5290	18	8.5	247	1
26	5290	17	6.6	374	1
27	5290	16	7.1	299	1
28	5290	18	6.7	417	1
29	5290	18	9.1	239	1
30	5290	16	9.3	415	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	15	14.6	405	1
2	5290	14	20	234	1
3	5290	16	12.8	436	1
4	5290	16	16.3	296	1
5	5290	15	15.3	384	1
6	5290	15	14.4	361	1
7	5290	14	19.2	218	1
8	5290	12	12	340	1
9	5290	13	16.3	451	1
10	5290	15	13.8	273	1
11	5290	15	11.6	277	1
12	5290	12	17.5	491	1
13	5290	13	19.3	423	1
14	5290	16	16.2	282	1
15	5290	13	18.8	445	1
16	5290	15	12.4	460	1
17	5290	16	19.6	356	1
18	5290	13	18.8	294	1
19	5290	13	11.7	237	1
20	5290	12	11.4	243	1
21	5290	13	12.3	290	1
22	5290	13	11.3	412	1
23	5290	15	13.3	273	1
24	5290	15	11	218	1
25	5290	13	17.4	329	1
26	5290	14	18.1	412	1
27	5290	13	11	349	1
28	5290	15	18.5	463	1
29	5290	15	17.7	440	1
30	5290	15	12.2	306	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5290	1
2	5290	1
3	5290	1
4	5290	1
5	5290	1
6	5290	1
7	5290	1
8	5290	1
9	5290	1
10	5290	1
11	5257.6	1
12	5256.8	1
13	5254.0	1
14	5259.2	1
15	5255.2	1
16	5259.2	0
17	5255.2	1
18	5256.0	1
19	5256.8	0
20	5257.6	1
21	5323.2	1
22	5324.4	1
23	5323.2	1
24	5324.4	1
25	5322.8	1
26	5322.0	1
27	5325.6	1
28	5325.2	1
29	5322.4	1
30	5324.4	1
Detection Percentage: 93.33 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	69.3	1172	1086	0.563644	1
1	1	10	53.1			1.613991	
2	3	10	59.3	1618	1398	2.48178	
3	2	10	71.1	1033		2.895754	
4	2	10	70.7	1652		3.969049	
5	2	10	69.1	1671		4.656655	
6	2	10	89.8	1687		5.580443	
7	1	10	80.2			7.231798	
8	2	10	93.1	1414		8.272938	
9	3	10	92.1	1520	1125	8.483064	
10	2	10	66.9	1268		9.374804	
11	1	10	70.6			10.450649	
12	2	10	59.5	1766		11.55443	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	58.2	1036		0.176391	1
1	3	10	97.3	1660	1701	0.938322	
2	1	10	55.9			2.112504	
3	2	10	87	1772		2.793774	
4	2	10	66.7	1362		3.151149	
5	2	10	57.4	1380		4.04172	
6	3	10	76.9	1924	1561	4.797788	
7	1	10	81.9			4.958395	
8	1	10	75.4			5.892234	
9	2	10	99.9	1045		6.737548	
10	1	10	93.8			7.120293	
11	2	10	55.9	1708		7.871122	
12	3	10	78.7	1062	1037	8.908225	
13	3	10	63.7	1727	1554	9.660185	
14	2	10	66.7	1050		9.950906	
15	1	10	67.4			10.894598	
16	2	10	71.9	1216		11.704618	

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	13	84.3	1016		0.056939	1
1	2	13	72.3	1184		1.41339	
2	2	13	89.7	1281		2.217857	
3	1	13	68			3.414762	
4	3	13	97.5	1122	1666	4.276681	
5	3	13	77.2	1724	1739	4.971656	
6	1	13	57.5			5.427557	
7	1	13	61.6			6.543006	
8	3	13	77.4	1605	1966	7.208538	
9	1	13	79.6			7.808079	
10	2	13	65.1	1625		8.613865	
11	2	13	55.2	1252		9.514022	
12	2	13	60.6	1027		11.106189	
13	2	13	58.8	1437		11.916907	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	72.8	1770		0.12604	1
1	2	12	77.7	1429		1.051521	
2	1	12	58.9			1.725591	
3	3	12	71.5	1073	1186	2.032914	
4	3	12	98.3	1123	1111	2.718118	
5	2	12	98.9	1418		3.55706	
6	2	12	68.9	1563		3.878763	
7	1	12	83.9			4.731494	
8	3	12	93	1075	1186	5.525081	
9	1	12	92.1			6.23511	
10	2	12	92.4	1346		6.647743	
11	3	12	57.4	1316	1312	7.178274	
12	1	12	73.1			7.789432	
13	2	12	84	1672		8.604677	
14	2	12	83.5	1925		9.403384	
15	2	12	65.1	1384		9.915953	
16	1	12	57.3			10.504628	
17	2	12	74.5	1279		10.759948	
18	3	12	93.9	1336	1214	11.755901	

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	13	68.5	1035		0.29678	1
1	3	13	96.8	1686	1883	1.236526	
2	2	13	71	1579		3.277004	
3	2	13	96.2	1531		4.655776	
4	2	13	90.2	1613		5.228473	
5	2	13	52.6	1474		6.491822	
6	1	13	68.2			7.265468	
7	3	13	56	1177	1986	8.798268	
8	2	13	93.6	1457		10.417736	
9	2	13	76.8	1635		11.958315	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	63.3			0.554584	
1	2	9	56	1514		0.879928	
2	2	9	88.9	1092		1.467013	
3	2	9	51.8	1598		2.442763	
4	2	9	66.9	1668		3.451679	
5	1	9	53.5			3.883882	
6	1	9	59			4.663918	
7	2	9	90.5	1160		5.008821	
8	2	9	51.9	1582		6.320325	1
9	2	9	55	1067		6.850549	
10	1	9	60.4			7.698621	
11	2	9	66.6	1329		8.238365	
12	2	9	84.9	1371		8.946334	
13	2	9	66.8	1508		9.407169	
14	2	9	85.4	1913		10.552238	
15	2	9	87.8	1860		10.932172	
16	2	9	95.1	1218		11.492757	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	92.5			0.056128	1
1	2	7	81.3	1098		0.952531	
2	1	7	50.9			1.261982	
3	3	7	53.4	1213	1010	1.911187	
4	3	7	94.6	1724	1285	2.62669	
5	2	7	60.4	1640		3.109748	
6	3	7	67.9	1154	1023	4.109507	
7	2	7	66.1	1864		4.377906	
8	3	7	58.4	1380	1508	5.359851	
9	1	7	57.9			5.576608	
10	2	7	94.6	1602		6.013982	
11	2	7	69.1	1474		7.057893	
12	3	7	92.7	1348	1259	7.667976	
13	2	7	83.1	1541		7.836661	
14	3	7	93.3	1584	1620	8.769948	
15	3	7	66.2	1375	1460	9.374699	
16	2	7	60.3	1822		9.987112	
17	2	7	62.2	1476		10.50813	
18	3	7	66.3	1409	1924	10.819917	
19	3	7	63.3	1474	1817	11.702105	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	74.1	1872		0.442225	
1	1	7	53.8			1.360187	
2	2	7	96.3	1284		2.274589	
3	2	7	85.9	1510		2.773286	
4	2	7	95.9	1708		3.644142	
5	3	7	84.6	1123	1208	4.011021	
6	2	7	53.9	1354		4.9131	
7	1	7	89.5			6.188872	1
8	1	7	51.5			6.913701	
9	2	7	60.5	1095		7.794923	
10	3	7	83.2	1090	1005	8.521387	
11	2	7	93.3	1532		9.265443	
12	2	7	67.7	1127		9.821001	
13	2	7	57	1098		10.496376	
14	2	7	78.9	1757		11.38911	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	100			0.578551	
1	2	10	96.1	1276		0.81861	
2	2	10	95	1560		2.055321	
3	1	10	94.5			2.792723	
4	3	10	80.4	1024	1610	3.275229	
5	2	10	55	1689		4.035643	
6	1	10	97.6			5.44547	
7	2	10	66.1	1534		6.331005	1
8	1	10	84.8			6.890467	
9	3	10	53.5	1696	1507	7.52664	
10	3	10	61.5	1180	1866	8.299683	
11	2	10	65.3	1572		8.898768	
12	2	10	72.1	1900		9.824087	
13	2	10	69.9	1103		10.714851	
14	2	10	60.2	1094		11.234004	

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	7	86			0.850889	1
1	2	7	55.3	1595		2.172174	
2	2	7	87.7	1078		3.483132	
3	3	7	90.7	1804	1386	4.617397	
4	2	7	95.2	1789		5.617824	
5	2	7	84.5	1338		6.305105	
6	3	7	98	1128	1180	7.500959	
7	1	7	97.8			9.551255	
8	3	7	96.9	1092	1145	10.27667	
9	2	7	54.4	1903		11.290095	

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	14	98.9			0.020061	1
1	2	14	61.6	1060		0.936034	
2	3	14	90.3	1775	1687	1.950273	
3	3	14	90.3	1685	1018	2.064718	
4	3	14	72.5	1360	1268	2.669805	
5	2	14	67.1	1399		3.746425	
6	2	14	55.3	1996		4.130236	
7	1	14	52.5			4.710196	
8	1	14	81.3			5.949375	
9	1	14	86.8			6.014118	
10	2	14	58.6	1207		7.233283	
11	2	14	88.3	1444		7.465519	
12	2	14	99.4	1089		8.042641	
13	3	14	67	1202	1263	8.973011	
14	1	14	81			9.788653	
15	1	14	87.1			10.655459	
16	2	14	53.1	1499		10.871343	
17	2	14	64.9	1311		11.984302	

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	12	96.9			0.416252	
1	3	12	90	1499	1819	1.004885	
2	2	12	87.4	1886		1.918593	
3	2	12	69.1	1018		2.306641	
4	1	12	58.4			3.365703	
5	2	12	92.3	1547		3.908359	
6	2	12	98.7	1658		4.553912	
7	2	12	84.4	1926		5.569661	
8	2	12	92.2	1518		6.155683	1
9	1	12	77.6			6.54408	
10	3	12	56.8	1142	1891	7.312659	
11	1	12	68.2			8.213113	
12	2	12	52.7	1326		8.496134	
13	2	12	98.3	1525		9.473487	
14	1	12	88			10.259031	
15	2	12	69.8	1339		11.159874	
16	1	12	99.5			11.354445	

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	5	94.5	1385		0.013227	
1	3	5	61.5	1022	1082	1.130144	
2	2	5	54.5	1613		2.949639	
3	2	5	51.9	1702		3.552451	
4	2	5	86.5	1496		5.365696	
5	3	5	71.9	1271	1680	6.170245	1
6	2	5	81.5	1147		7.367055	
7	2	5	58.2	1324		8.602978	
8	2	5	56.5	1293		8.974664	
9	3	5	86	1519	1682	10.010395	
10	2	5	97.9	1393		11.259741	

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	18	67.6			0.040928	1
1	2	18	85.5	1563		1.216401	
2	2	18	79.2	1125		1.616612	
3	3	18	83.8	1303	1362	2.042446	
4	3	18	53.1	1180	1614	3.078133	
5	2	18	90.1	1112		3.407367	
6	1	18	69.1			4.42322	
7	3	18	60.7	1804	1078	5.127268	
8	2	18	92.3	1427		5.386756	
9	1	18	69.1			6.122456	
10	1	18	63.2			6.828709	
11	1	18	87.7			7.355838	
12	1	18	67			8.264834	
13	2	18	70.5	1851		9.070089	
14	2	18	93.9	1738		9.335873	
15	3	18	84.1	1355	1738	10.40852	
16	3	18	72.2	1667	1370	11.059919	
17	1	18	89.9			11.333794	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	51.6	1027		0.500019	1
1	3	8	72.3	1405	1417	0.911037	
2	2	8	90	1525		1.784917	
3	2	8	63	1677		2.533838	
4	2	8	81.4	1946		3.563729	
5	2	8	81.9	1098		4.372306	
6	3	8	81.5	1080	1914	4.793608	
7	2	8	88.3	1193		5.721997	
8	2	8	54	1816		6.196336	
9	2	8	62.9	1007		6.784259	
10	2	8	78.5	1004		8.061022	
11	2	8	64.6	1585		8.3145	
12	2	8	57	1040		9.570608	
13	3	8	71.5	1135	1809	10.405649	
14	3	8	88.5	1184	1782	10.637044	
15	3	8	88.3	1072	1326	11.985696	

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	18	90.4	1893	1956	0.281	1
1	3	18	76.9	1313	1332	2.365242	
2	2	18	91.4	1552		3.451493	
3	2	18	89.5	1709		4.576328	
4	2	18	53.2	1722		6.051953	
5	2	18	56.7	1317		7.785254	
6	2	18	54.3	1581		10.475723	
7	3	18	51.2	1086	1717	11.032581	

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	8	72.7			0.277779	1
1	2	8	60.5	1453		0.815671	
2	2	8	79.3	1740		1.502363	
3	1	8	92.9			2.4397	
4	2	8	52.4	1629		2.875225	
5	1	8	83.7			3.752396	
6	2	8	73.6	1815		4.410245	
7	2	8	99	1552		5.385262	
8	1	8	69.3			6.188316	
9	1	8	77.5			6.589969	
10	1	8	75.8			7.576456	
11	2	8	97.1	1368		7.956679	
12	3	8	84.2	1087	1262	8.574442	
13	1	8	93.1			9.679714	
14	2	8	55.9	1317		10.28933	
15	3	8	71.6	1332	1252	11.222587	
16	1	8	99.9			11.318189	

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	10	69.6			0.77473	1
1	2	10	59.9	1301		1.681984	
2	1	10	63.6			2.078277	
3	2	10	86.7	1932		3.255647	
4	1	10	66			3.685116	
5	2	10	63.4	1958		4.895868	
6	2	10	75.8	1578		5.8513	
7	1	10	72			6.485476	
8	3	10	79.9	1754	1265	7.38198	
9	2	10	87.6	1701		8.344679	
10	3	10	55.7	1710	1987	9.169196	
11	1	10	76.3			10.03309	
12	1	10	59.1			10.553941	
13	1	10	50.3			11.473579	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	81.2	1575	1232	0.2578	1
1	2	12	59.5	1011		0.797176	
2	2	12	80.1	1205		1.782599	
3	2	12	57	1437		2.59536	
4	3	12	74	1851	1791	3.415631	
5	1	12	91.5			4.20356	
6	1	12	90.4			4.923494	
7	2	12	59.5	1141		5.167619	
8	2	12	83.9	1838		5.893047	
9	1	12	87			6.830641	
10	2	12	93.9	1187		7.07186	
11	1	12	57.3			8.02061	
12	2	12	64.1	1430		8.92996	
13	2	12	51.8	1172		9.596936	
14	3	12	52.4	1502	1577	9.978429	
15	1	12	51.3			10.917734	
16	2	12	96.5	1739		11.845387	

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	14	89.1	1197		0.587152	1
1	1	14	64			1.32007	
2	2	14	58.8	1216		1.623297	
3	3	14	57.4	1077	1105	2.882782	
4	2	14	54.9	1979		3.631774	
5	2	14	93.6	1918		3.976373	
6	2	14	88.7	1799		4.541662	
7	3	14	51.8	1574	1012	5.955062	
8	1	14	98.9			6.13369	
9	1	14	65.7			7.338094	
10	2	14	70.2	1003		8.137527	
11	2	14	83.2	1402		8.610567	
12	2	14	73.8	1119		9.114488	
13	1	14	72.9			10.419619	
14	2	14	69.6	1543		10.629929	
15	3	14	76.7	1174	1375	11.99104	

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	12	74.1	1109		0.265196	1
1	2	12	68	1426		1.166563	
2	2	12	62.6	1094		2.977743	
3	2	12	79.6	1041		3.271816	
4	2	12	79.5	1552		4.498261	
5	3	12	56	1750	1782	5.911319	
6	2	12	91.9	1447		6.532826	
7	2	12	89.4	1368		7.54075	
8	3	12	77.1	1209	1356	8.030178	
9	3	12	51.7	1952	1168	9.057043	
10	3	12	67.3	1669	1803	10.778385	
11	3	12	66.9	1722	1688	11.569482	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	52.8	1521		0.65008	
1	2	9	94.2	1234		2.140326	
2	2	9	78.8	1216		3.095585	
3	1	9	74.8			3.802224	
4	2	9	87.6	1036		4.45518	
5	1	9	57.1			5.829446	1
6	2	9	96.4	1934		6.880448	
7	2	9	81.9	1463		8.084285	
8	1	9	85.3			9.499904	
9	2	9	76.2	1053		10.695919	
10	3	9	85.9	1159	1147	10.909203	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	63.1			0.512815	
1	2	12	51.6	1151		0.969151	
2	3	12	74.6	1414	1761	1.59416	
3	1	12	50.9			2.75866	
4	1	12	61			3.196593	
5	2	12	99.3	1046		3.816857	
6	2	12	87	1447		4.952643	
7	2	12	73.7	1564		5.365078	
8	1	12	72.2			6.151559	1
9	2	12	77.2	1479		6.866859	
10	2	12	85	1858		7.986276	
11	3	12	87.1	1567	1483	8.988944	
12	2	12	67.1	1634		9.047352	
13	1	12	63.8			10.324469	
14	2	12	67.9	1284		11.235047	
15	2	12	81.5	1376		11.865574	

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	9	53.9	1909	1594	0.166982	
1	3	9	83.4	1705	1755	1.41824	
2	2	9	79.9	1836		1.741747	
3	2	9	86.8	1170		3.003657	
4	2	9	65.9	1631		3.447611	
5	2	9	89.7	1944		4.694519	
6	3	9	93	1290	1333	5.156705	
7	2	9	59.8	1894		6.328933	1
8	3	9	54.1	1933	1153	6.81514	
9	3	9	98	1495	1476	7.208568	
10	2	9	75.3	1287		8.408941	
11	2	9	61.1	1879		8.878455	
12	2	9	76.3	1479		9.643115	
13	1	9	92.5			10.557674	
14	1	9	65.6			11.548628	

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	54	1590		0.193581	
1	2	13	97.4	1357		1.062781	
2	1	13	61.1			1.59008	
3	2	13	87	1072		2.644376	
4	2	13	60.8	1088		3.137299	
5	2	13	62.6	1197		3.640498	
6	1	13	65.6			4.336378	
7	2	13	64.6	1631		4.786199	
8	1	13	66			5.534625	
9	1	13	65.2			6.631136	1
10	3	13	90.4	1215	1836	7.28352	
11	2	13	89.4	1647		7.957968	
12	3	13	89.8	1455	1661	8.649577	
13	2	13	68.3	1067		9.306342	
14	1	13	95.7			9.518013	
15	2	13	59.5	1455		10.22519	
16	1	13	50.9			11.015629	
17	2	13	65.4	1668		11.929933	

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	15	69.8	1862		0.039178	1
1	1	15	85.2			1.301688	
2	2	15	58	1885		2.321732	
3	1	15	90.3			3.438008	
4	2	15	68.8	1656		4.458844	
5	1	15	64			5.394604	
6	1	15	52			6.416376	
7	1	15	94.7			6.540819	
8	2	15	89.1	1882		7.633548	
9	3	15	86.8	1974	1328	8.762689	
10	2	15	61.6	1281		9.648254	
11	2	15	78.9	1488		10.71752	
12	2	15	56.1	1791		11.252928	

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	6	91.2	1961		0.913389	1
1	1	6	93.3			1.958341	
2	2	6	59.3	1253		3.503456	
3	1	6	69.8			3.955024	
4	3	6	90.3	1790	1723	5.393592	
5	3	6	88.8	1604	1453	6.843661	
6	2	6	97.4	1363		7.637954	
7	2	6	70.3	1682		8.630266	
8	1	6	96.2			10.203824	
9	3	6	68.5	1636	1004	11.304447	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	71.4	1639		0.838609	1
1	2	7	66.8	1607		1.667006	
2	2	7	66.6	1932		2.170982	
3	2	7	89.3	1361		3.598508	
4	1	7	94.5			4.111387	
5	2	7	95.5	1757		5.660829	
6	2	7	75.6	1282		6.558604	
7	3	7	94.5	1821	1206	7.443111	
8	2	7	51	1267		8.278977	
9	3	7	50.6	1290	1094	9.409847	
10	1	7	78.7			10.503381	
11	2	7	62.9	1212		11.695804	

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	14	87.6	1633	1017	0.230601	1
1	3	14	62.6	1040	1803	1.132719	
2	2	14	53	1324		2.068421	
3	1	14	56.2			2.807407	
4	2	14	97.7	1009		3.954371	
5	2	14	90.9	1126		4.663975	
6	1	14	97.3			5.896395	
7	1	14	51.2			6.477967	
8	1	14	80.2			7.576122	
9	1	14	82.3			8.114562	
10	2	14	97.1	1530		9.146224	
11	3	14	79.6	1651	1610	10.146055	
12	2	14	98.6	1943		10.29697	
13	2	14	88.9	1052		11.761417	

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	77.2	1181		0.482773	
1	2	9	66.4	1200		1.049859	
2	2	9	52.7	1868		1.353177	
3	2	9	66.6	1702		2.369274	
4	1	9	99.1			3.077897	
5	2	9	66.9	1869		3.766852	
6	2	9	76.5	1272		3.881777	
7	2	9	81.2	1894		4.666372	
8	1	9	88.7			5.615836	
9	2	9	72.2	1535		6.238057	1
10	2	9	63.9	1622		6.855514	
11	3	9	80.3	1278	1250	7.220264	
12	2	9	60.5	1506		8.171564	
13	3	9	89.3	1069	1625	8.351556	
14	2	9	84	1026		9.268066	
15	2	9	74.8	1095		9.785577	
16	3	9	52.3	1217	1729	10.528624	
17	3	9	84.5	1210	1008	11.075654	
18	2	9	80.8	1633		11.991323	

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	5671.0, 5430.0, 5297.0, 5686.0, 5712.0, 5426.0, 5564.0, 5338.0, 5363.0, 5682.0, 5446.0, 5418.0, 5628.0, 5585.0, 5532.0, 5610.0, 5573.0, 5653.0, 5261.0, 5720.0, 5706.0, 5665.0, 5470.0, 5465.0, 5339.0, 5302.0, 5558.0, 5329.0, 5280.0, 5349.0, 5251.0, 5410.0, 5723.0, 5252.0, 5437.0, 5369.0, 5386.0, 5440.0, 5536.0, 5285.0, 5316.0, 5636.0, 5569.0, 5359.0, 5423.0, 5561.0, 5436.0, 5644.0, 5422.0, 5609.0, 5517.0, 5357.0, 5409.0, 5703.0, 5420.0, 5647.0, 5560.0, 5590.0, 5613.0, 5714.0, 5483.0, 5374.0, 5379.0, 5289.0, 5275.0, 5634.0, 5645.0, 5395.0, 5525.0, 5622.0, 5351.0, 5477.0, 5360.0, 5273.0, 5512.0, 5287.0, 5697.0, 5639.0, 5258.0, 5381.0, 5371.0, 5537.0, 5334.0, 5406.0, 5404.0, 5633.0, 5718.0, 5710.0, 5554.0, 5549.0, 5521.0, 5366.0, 5499.0, 5681.0, 5545.0, 5708.0, 5529.0, 5367.0, 5608.0, 5424.0 (number of hits: 14)
2	5290	9	1	333	1	5583.0, 5510.0, 5700.0, 5367.0, 5679.0, 5424.0, 5432.0, 5689.0, 5628.0, 5369.0, 5629.0, 5387.0, 5678.0, 5526.0, 5337.0, 5505.0, 5605.0, 5266.0, 5431.0, 5260.0, 5376.0, 5641.0, 5669.0, 5356.0, 5674.0, 5564.0, 5459.0, 5457.0, 5553.0, 5276.0, 5395.0, 5695.0, 5267.0, 5604.0, 5304.0, 5577.0, 5550.0, 5718.0, 5410.0, 5345.0, 5586.0, 5516.0, 5498.0, 5300.0, 5478.0, 5662.0, 5327.0, 5508.0, 5293.0, 5723.0, 5309.0, 5310.0, 5491.0, 5703.0, 5296.0, 5285.0, 5525.0, 5722.0, 5389.0, 5603.0, 5644.0, 5706.0, 5455.0, 5343.0, 5384.0, 5719.0, 5284.0, 5469.0, 5547.0, 5466.0, 5538.0, 5351.0, 5648.0, 5385.0, 5647.0, 5551.0, 5609.0, 5597.0, 5673.0, 5482.0, 5698.0, 5417.0, 5339.0, 5409.0, 5606.0, 5661.0, 5315.0, 5264.0, 5581.0, 5373.0, 5349.0, 5502.0, 5255.0, 5425.0, 5375.0, 5556.0, 5575.0, 5632.0, 5411.0, 5404.0 (number of hits: 16)
3	5290	9	1	333	1	5294.0, 5655.0, 5536.0, 5535.0, 5672.0, 5272.0, 5394.0, 5608.0, 5259.0, 5327.0, 5699.0, 5680.0, 5265.0, 5430.0, 5426.0, 5684.0, 5668.0, 5633.0, 5448.0, 5709.0, 5530.0, 5306.0, 5366.0, 5285.0, 5381.0, 5414.0, 5442.0, 5578.0, 5506.0, 5550.0, 5510.0, 5615.0, 5623.0, 5479.0, 5549.0, 5468.0, 5345.0, 5334.0, 5687.0, 5660.0, 5622.0, 5485.0, 5514.0, 5440.0, 5651.0, 5509.0, 5691.0, 5273.0, 5663.0, 5385.0, 5590.0, 5665.0, 5364.0, 5533.0, 5377.0,

						5667.0, 5432.0, 5611.0, 5679.0, 5710.0, 5521.0, 5678.0, 5395.0, 5525.0, 5270.0, 5333.0, 5547.0, 5386.0, 5629.0, 5416.0, 5311.0, 5274.0, 5511.0, 5419.0, 5347.0, 5421.0, 5601.0, 5630.0, 5438.0, 5617.0, 5456.0, 5520.0, 5540.0, 5669.0, 5614.0, 5390.0, 5576.0, 5537.0, 5437.0, 5631.0, 5415.0, 5376.0, 5493.0, 5449.0, 5625.0, 5558.0, 5596.0, 5689.0, 5253.0, 5340.0 (number of hits: 12)
4	5290	9	1	333	1	5478.0, 5330.0, 5317.0, 5319.0, 5563.0, 5260.0, 5380.0, 5487.0, 5522.0, 5722.0, 5567.0, 5572.0, 5505.0, 5253.0, 5502.0, 5633.0, 5433.0, 5480.0, 5670.0, 5585.0, 5549.0, 5518.0, 5648.0, 5463.0, 5494.0, 5417.0, 5683.0, 5610.0, 5422.0, 5460.0, 5451.0, 5313.0, 5589.0, 5409.0, 5632.0, 5391.0, 5429.0, 5343.0, 5578.0, 5352.0, 5674.0, 5673.0, 5305.0, 5335.0, 5606.0, 5458.0, 5713.0, 5716.0, 5271.0, 5636.0, 5476.0, 5385.0, 5268.0, 5311.0, 5719.0, 5617.0, 5486.0, 5312.0, 5651.0, 5614.0, 5717.0, 5580.0, 5693.0, 5684.0, 5495.0, 5328.0, 5405.0, 5398.0, 5613.0, 5298.0, 5277.0, 5437.0, 5375.0, 5452.0, 5383.0, 5345.0, 5499.0, 5459.0, 5566.0, 5393.0, 5448.0, 5496.0, 5491.0, 5546.0, 5350.0, 5639.0, 5374.0, 5259.0, 5427.0, 5397.0, 5707.0, 5293.0, 5344.0, 5315.0, 5304.0, 5419.0, 5387.0, 5555.0, 5407.0, 5656.0 (number of hits: 17)
5	5290	9	1	333	1	5343.0, 5556.0, 5345.0, 5381.0, 5260.0, 5358.0, 5657.0, 5491.0, 5377.0, 5316.0, 5436.0, 5391.0, 5693.0, 5457.0, 5273.0, 5515.0, 5714.0, 5252.0, 5408.0, 5637.0, 5315.0, 5295.0, 5681.0, 5517.0, 5697.0, 5528.0, 5309.0, 5704.0, 5274.0, 5334.0, 5385.0, 5431.0, 5324.0, 5673.0, 5428.0, 5318.0, 5458.0, 5503.0, 5609.0, 5561.0, 5253.0, 5655.0, 5559.0, 5419.0, 5660.0, 5659.0, 5453.0, 5461.0, 5446.0, 5405.0, 5424.0, 5700.0, 5339.0, 5361.0, 5527.0, 5392.0, 5438.0, 5463.0, 5462.0, 5445.0, 5464.0, 5600.0, 5509.0, 5389.0, 5709.0, 5580.0, 5530.0, 5701.0, 5366.0, 5569.0, 5442.0, 5365.0, 5507.0, 5498.0, 5544.0, 5485.0, 5602.0, 5568.0, 5619.0, 5719.0, 5262.0, 5272.0, 5695.0, 5410.0, 5691.0, 5563.0, 5615.0, 5256.0, 5633.0, 5548.0, 5610.0, 5268.0, 5670.0, 5613.0, 5310.0, 5529.0, 5536.0, 5692.0, 5263.0, 5398.0 (number of hits: 17)
6	5290	9	1	333	1	5345.0, 5684.0, 5615.0, 5309.0, 5358.0, 5331.0, 5361.0, 5662.0, 5565.0, 5513.0, 5413.0, 5327.0, 5578.0, 5471.0, 5379.0, 5645.0, 5542.0, 5491.0, 5276.0, 5250.0, 5274.0, 5359.0, 5610.0, 5376.0, 5595.0, 5341.0, 5627.0, 5465.0, 5667.0, 5493.0, 5315.0, 5316.0, 5349.0, 5539.0, 5435.0,

						5270.0, 5441.0, 5426.0, 5311.0, 5639.0, 5534.0, 5497.0, 5680.0, 5551.0, 5370.0, 5592.0, 5693.0, 5362.0, 5490.0, 5713.0, 5699.0, 5314.0, 5281.0, 5580.0, 5392.0, 5496.0, 5444.0, 5600.0, 5402.0, 5724.0, 5577.0, 5560.0, 5563.0, 5476.0, 5573.0, 5484.0, 5365.0, 5446.0, 5566.0, 5445.0, 5266.0, 5651.0, 5261.0, 5523.0, 5707.0, 5716.0, 5594.0, 5499.0, 5271.0, 5486.0, 5657.0, 5637.0, 5719.0, 5450.0, 5517.0, 5447.0, 5579.0, 5356.0, 5303.0, 5649.0, 5300.0, 5618.0, 5329.0, 5590.0, 5254.0, 5348.0, 5412.0, 5456.0, 5508.0, 5604.0 (number of hits: 18)
7	5290	9	1	333	1	5286.0, 5404.0, 5575.0, 5479.0, 5334.0, 5487.0, 5435.0, 5718.0, 5414.0, 5605.0, 5405.0, 5463.0, 5544.0, 5272.0, 5375.0, 5257.0, 5644.0, 5666.0, 5639.0, 5324.0, 5579.0, 5704.0, 5408.0, 5354.0, 5338.0, 5706.0, 5588.0, 5683.0, 5430.0, 5407.0, 5452.0, 5677.0, 5687.0, 5356.0, 5288.0, 5269.0, 5532.0, 5638.0, 5582.0, 5577.0, 5697.0, 5613.0, 5717.0, 5541.0, 5529.0, 5654.0, 5416.0, 5642.0, 5561.0, 5258.0, 5618.0, 5601.0, 5326.0, 5445.0, 5635.0, 5500.0, 5419.0, 5596.0, 5439.0, 5626.0, 5321.0, 5533.0, 5491.0, 5280.0, 5501.0, 5522.0, 5440.0, 5669.0, 5534.0, 5275.0, 5714.0, 5508.0, 5442.0, 5323.0, 5655.0, 5303.0, 5525.0, 5589.0, 5406.0, 5373.0, 5444.0, 5651.0, 5292.0, 5315.0, 5542.0, 5347.0, 5255.0, 5543.0, 5653.0, 5517.0, 5351.0, 5325.0, 5273.0, 5481.0, 5645.0, 5265.0, 5448.0, 5524.0, 5485.0, 5332.0 (number of hits: 19)
8	5290	9	1	333	1	5529.0, 5400.0, 5540.0, 5709.0, 5706.0, 5423.0, 5671.0, 5340.0, 5695.0, 5514.0, 5370.0, 5657.0, 5433.0, 5315.0, 5314.0, 5463.0, 5533.0, 5582.0, 5467.0, 5716.0, 5306.0, 5299.0, 5630.0, 5440.0, 5518.0, 5536.0, 5495.0, 5427.0, 5485.0, 5252.0, 5278.0, 5720.0, 5545.0, 5534.0, 5266.0, 5377.0, 5700.0, 5279.0, 5281.0, 5696.0, 5297.0, 5608.0, 5337.0, 5527.0, 5394.0, 5651.0, 5590.0, 5570.0, 5372.0, 5293.0, 5673.0, 5577.0, 5276.0, 5502.0, 5571.0, 5632.0, 5501.0, 5649.0, 5409.0, 5588.0, 5295.0, 5566.0, 5594.0, 5405.0, 5382.0, 5544.0, 5298.0, 5675.0, 5448.0, 5417.0, 5513.0, 5524.0, 5523.0, 5488.0, 5555.0, 5681.0, 5499.0, 5576.0, 5259.0, 5310.0, 5680.0, 5478.0, 5519.0, 5364.0, 5325.0, 5431.0, 5302.0, 5275.0, 5350.0, 5419.0, 5292.0, 5355.0, 5505.0, 5268.0, 5300.0, 5373.0, 5272.0, 5647.0, 5442.0, 5479.0 (number of hits: 23)
9	5290	9	1	333	1	5669.0, 5500.0, 5461.0, 5380.0, 5607.0, 5366.0, 5604.0, 5716.0, 5424.0, 5601.0, 5722.0, 5251.0, 5644.0, 5356.0, 5717.0,

						5689.0, 5370.0, 5255.0, 5567.0, 5550.0, 5295.0, 5341.0, 5460.0, 5685.0, 5651.0, 5334.0, 5553.0, 5616.0, 5347.0, 5630.0, 5401.0, 5287.0, 5492.0, 5383.0, 5508.0, 5496.0, 5393.0, 5432.0, 5410.0, 5623.0, 5671.0, 5711.0, 5656.0, 5430.0, 5718.0, 5453.0, 5299.0, 5542.0, 5261.0, 5537.0, 5562.0, 5351.0, 5345.0, 5307.0, 5382.0, 5302.0, 5437.0, 5511.0, 5288.0, 5629.0, 5455.0, 5407.0, 5641.0, 5570.0, 5278.0, 5691.0, 5387.0, 5648.0, 5609.0, 5564.0, 5631.0, 5301.0, 5619.0, 5634.0, 5522.0, 5367.0, 5369.0, 5349.0, 5330.0, 5360.0, 5464.0, 5579.0, 5724.0, 5547.0, 5268.0, 5266.0, 5493.0, 5442.0, 5482.0, 5348.0, 5435.0, 5696.0, 5489.0, 5515.0, 5575.0, 5709.0, 5666.0, 5573.0, 5505.0, 5471.0 (number of hits: 13)
10	5290	9	1	333	1	5523.0, 5583.0, 5517.0, 5634.0, 5550.0, 5328.0, 5463.0, 5716.0, 5515.0, 5701.0, 5307.0, 5305.0, 5473.0, 5308.0, 5669.0, 5479.0, 5546.0, 5591.0, 5277.0, 5636.0, 5390.0, 5644.0, 5540.0, 5633.0, 5563.0, 5462.0, 5316.0, 5374.0, 5298.0, 5536.0, 5318.0, 5391.0, 5427.0, 5516.0, 5720.0, 5267.0, 5723.0, 5404.0, 5619.0, 5441.0, 5570.0, 5719.0, 5722.0, 5485.0, 5383.0, 5366.0, 5474.0, 5343.0, 5711.0, 5534.0, 5690.0, 5409.0, 5369.0, 5507.0, 5284.0, 5664.0, 5560.0, 5338.0, 5537.0, 5598.0, 5270.0, 5448.0, 5706.0, 5608.0, 5301.0, 5524.0, 5290.0, 5324.0, 5533.0, 5641.0, 5433.0, 5545.0, 5650.0, 5713.0, 5394.0, 5416.0, 5578.0, 5573.0, 5493.0, 5643.0, 5637.0, 5281.0, 5657.0, 5484.0, 5602.0, 5562.0, 5527.0, 5615.0, 5315.0, 5535.0, 5721.0, 5418.0, 5682.0, 5666.0, 5423.0, 5676.0, 5622.0, 5425.0, 5289.0, 5450.0 (number of hits: 17)
11	5290	9	1	333	1	5606.0, 5417.0, 5495.0, 5320.0, 5267.0, 5543.0, 5380.0, 5317.0, 5723.0, 5318.0, 5719.0, 5368.0, 5533.0, 5296.0, 5536.0, 5562.0, 5330.0, 5448.0, 5396.0, 5636.0, 5490.0, 5383.0, 5311.0, 5690.0, 5456.0, 5409.0, 5297.0, 5251.0, 5309.0, 5288.0, 5284.0, 5523.0, 5683.0, 5279.0, 5482.0, 5548.0, 5422.0, 5507.0, 5608.0, 5671.0, 5326.0, 5563.0, 5642.0, 5484.0, 5657.0, 5463.0, 5672.0, 5715.0, 5275.0, 5621.0, 5399.0, 5370.0, 5572.0, 5486.0, 5300.0, 5374.0, 5622.0, 5534.0, 5339.0, 5584.0, 5556.0, 5547.0, 5674.0, 5649.0, 5410.0, 5502.0, 5312.0, 5678.0, 5492.0, 5699.0, 5384.0, 5596.0, 5559.0, 5515.0, 5581.0, 5681.0, 5542.0, 5287.0, 5531.0, 5640.0, 5567.0, 5460.0, 5259.0, 5635.0, 5711.0, 5660.0, 5354.0, 5607.0, 5466.0, 5355.0, 5465.0, 5286.0, 5497.0, 5265.0, 5360.0, 5402.0, 5700.0, 5408.0, 5340.0, 5351.0

						(number of hits: 20)
12	5290	9	1	333	1	5703.0, 5570.0, 5538.0, 5668.0, 5441.0, 5687.0, 5637.0, 5678.0, 5306.0, 5612.0, 5662.0, 5385.0, 5498.0, 5613.0, 5672.0, 5530.0, 5286.0, 5421.0, 5414.0, 5571.0, 5657.0, 5636.0, 5552.0, 5352.0, 5705.0, 5354.0, 5360.0, 5412.0, 5311.0, 5692.0, 5302.0, 5555.0, 5346.0, 5338.0, 5279.0, 5629.0, 5660.0, 5327.0, 5404.0, 5663.0, 5656.0, 5634.0, 5467.0, 5443.0, 5337.0, 5702.0, 5502.0, 5526.0, 5719.0, 5284.0, 5474.0, 5659.0, 5670.0, 5496.0, 5447.0, 5428.0, 5397.0, 5560.0, 5631.0, 5542.0, 5684.0, 5313.0, 5642.0, 5333.0, 5383.0, 5317.0, 5545.0, 5432.0, 5606.0, 5529.0, 5493.0, 5405.0, 5289.0, 5413.0, 5301.0, 5267.0, 5398.0, 5348.0, 5396.0, 5463.0, 5431.0, 5708.0, 5386.0, 5363.0, 5307.0, 5507.0, 5696.0, 5522.0, 5488.0, 5298.0, 5593.0, 5445.0, 5375.0, 5518.0, 5694.0, 5495.0, 5715.0, 5325.0, 5718.0, 5679.0 (number of hits: 15)
13	5290	9	1	333	1	5568.0, 5582.0, 5347.0, 5509.0, 5310.0, 5674.0, 5634.0, 5688.0, 5455.0, 5324.0, 5389.0, 5404.0, 5490.0, 5382.0, 5374.0, 5403.0, 5475.0, 5558.0, 5548.0, 5605.0, 5346.0, 5411.0, 5553.0, 5314.0, 5355.0, 5334.0, 5454.0, 5504.0, 5615.0, 5373.0, 5253.0, 5627.0, 5583.0, 5457.0, 5426.0, 5336.0, 5387.0, 5356.0, 5338.0, 5550.0, 5493.0, 5421.0, 5534.0, 5437.0, 5624.0, 5551.0, 5414.0, 5602.0, 5562.0, 5620.0, 5385.0, 5593.0, 5399.0, 5601.0, 5533.0, 5494.0, 5412.0, 5396.0, 5718.0, 5680.0, 5406.0, 5325.0, 5327.0, 5636.0, 5448.0, 5363.0, 5394.0, 5527.0, 5693.0, 5474.0, 5332.0, 5319.0, 5330.0, 5722.0, 5545.0, 5573.0, 5629.0, 5349.0, 5295.0, 5596.0, 5692.0, 5286.0, 5643.0, 5580.0, 5708.0, 5501.0, 5357.0, 5261.0, 5335.0, 5701.0, 5446.0, 5451.0, 5498.0, 5644.0, 5714.0, 5659.0, 5433.0, 5663.0, 5557.0, 5442.0 (number of hits: 10)
14	5290	9	1	333	1	5637.0, 5647.0, 5330.0, 5283.0, 5648.0, 5691.0, 5611.0, 5597.0, 5418.0, 5700.0, 5291.0, 5523.0, 5353.0, 5584.0, 5599.0, 5555.0, 5309.0, 5392.0, 5397.0, 5344.0, 5574.0, 5625.0, 5365.0, 5380.0, 5471.0, 5407.0, 5621.0, 5264.0, 5641.0, 5576.0, 5342.0, 5593.0, 5470.0, 5336.0, 5475.0, 5440.0, 5491.0, 5658.0, 5323.0, 5436.0, 5286.0, 5719.0, 5439.0, 5627.0, 5267.0, 5508.0, 5466.0, 5524.0, 5549.0, 5661.0, 5616.0, 5631.0, 5715.0, 5452.0, 5328.0, 5522.0, 5449.0, 5482.0, 5408.0, 5468.0, 5630.0, 5288.0, 5442.0, 5592.0, 5395.0, 5519.0, 5668.0, 5638.0, 5656.0, 5460.0, 5590.0, 5444.0, 5554.0, 5321.0, 5550.0, 5349.0, 5692.0, 5368.0, 5605.0, 5701.0,

						5457.0, 5268.0, 5304.0, 5311.0, 5299.0, 5633.0, 5560.0, 5571.0, 5653.0, 5687.0, 5334.0, 5504.0, 5360.0, 5529.0, 5411.0, 5307.0, 5612.0, 5298.0, 5617.0, 5572.0 (number of hits: 16)
15	5290	9	1	333	1	5605.0, 5307.0, 5534.0, 5312.0, 5294.0, 5653.0, 5721.0, 5463.0, 5375.0, 5442.0, 5583.0, 5427.0, 5327.0, 5575.0, 5299.0, 5553.0, 5518.0, 5319.0, 5494.0, 5622.0, 5694.0, 5619.0, 5279.0, 5640.0, 5615.0, 5649.0, 5556.0, 5473.0, 5322.0, 5272.0, 5680.0, 5324.0, 5625.0, 5540.0, 5456.0, 5414.0, 5483.0, 5543.0, 5251.0, 5418.0, 5379.0, 5672.0, 5317.0, 5363.0, 5271.0, 5416.0, 5286.0, 5458.0, 5262.0, 5381.0, 5283.0, 5563.0, 5684.0, 5358.0, 5469.0, 5392.0, 5596.0, 5410.0, 5559.0, 5533.0, 5487.0, 5281.0, 5366.0, 5449.0, 5301.0, 5351.0, 5693.0, 5411.0, 5333.0, 5297.0, 5462.0, 5573.0, 5398.0, 5695.0, 5378.0, 5517.0, 5606.0, 5391.0, 5502.0, 5472.0, 5314.0, 5682.0, 5424.0, 5581.0, 5497.0, 5629.0, 5720.0, 5436.0, 5539.0, 5673.0, 5292.0, 5264.0, 5261.0, 5648.0, 5446.0, 5686.0, 5482.0, 5620.0, 5716.0, 5552.0 (number of hits: 23)
16	5290	9	1	333	1	5489.0, 5572.0, 5675.0, 5704.0, 5501.0, 5639.0, 5423.0, 5430.0, 5393.0, 5531.0, 5700.0, 5668.0, 5513.0, 5612.0, 5483.0, 5470.0, 5564.0, 5556.0, 5526.0, 5301.0, 5250.0, 5505.0, 5398.0, 5331.0, 5485.0, 5308.0, 5646.0, 5613.0, 5593.0, 5524.0, 5545.0, 5291.0, 5657.0, 5435.0, 5598.0, 5281.0, 5265.0, 5306.0, 5359.0, 5464.0, 5664.0, 5716.0, 5515.0, 5346.0, 5637.0, 5540.0, 5684.0, 5590.0, 5506.0, 5629.0, 5543.0, 5311.0, 5516.0, 5271.0, 5573.0, 5409.0, 5606.0, 5457.0, 5391.0, 5302.0, 5268.0, 5620.0, 5252.0, 5594.0, 5390.0, 5658.0, 5550.0, 5576.0, 5525.0, 5597.0, 5674.0, 5408.0, 5689.0, 5627.0, 5529.0, 5334.0, 5655.0, 5575.0, 5254.0, 5345.0, 5587.0, 5635.0, 5486.0, 5269.0, 5325.0, 5601.0, 5511.0, 5412.0, 5260.0, 5491.0, 5651.0, 5628.0, 5275.0, 5368.0, 5542.0, 5641.0, 5596.0, 5618.0, 5433.0, 5462.0 (number of hits: 17)
17	5290	9	1	333	1	5297.0, 5612.0, 5454.0, 5408.0, 5383.0, 5382.0, 5724.0, 5489.0, 5652.0, 5361.0, 5467.0, 5272.0, 5264.0, 5263.0, 5334.0, 5479.0, 5321.0, 5320.0, 5404.0, 5339.0, 5354.0, 5363.0, 5506.0, 5666.0, 5509.0, 5426.0, 5457.0, 5698.0, 5530.0, 5353.0, 5574.0, 5651.0, 5569.0, 5359.0, 5380.0, 5281.0, 5541.0, 5689.0, 5707.0, 5582.0, 5296.0, 5460.0, 5251.0, 5603.0, 5358.0, 5314.0, 5713.0, 5432.0, 5422.0, 5718.0, 5355.0, 5697.0, 5486.0, 5536.0, 5453.0, 5342.0, 5493.0, 5653.0, 5373.0, 5524.0,

						5702.0, 5602.0, 5590.0, 5278.0, 5266.0, 5642.0, 5655.0, 5357.0, 5554.0, 5715.0, 5721.0, 5471.0, 5640.0, 5599.0, 5279.0, 5504.0, 5423.0, 5709.0, 5626.0, 5398.0, 5545.0, 5614.0, 5466.0, 5526.0, 5588.0, 5498.0, 5540.0, 5528.0, 5406.0, 5313.0, 5257.0, 5475.0, 5262.0, 5691.0, 5259.0, 5601.0, 5274.0, 5558.0, 5317.0, 5306.0 (number of hits: 20)
18	5290	9	1	333	1	5598.0, 5424.0, 5671.0, 5389.0, 5694.0, 5718.0, 5266.0, 5651.0, 5320.0, 5552.0, 5527.0, 5513.0, 5306.0, 5372.0, 5589.0, 5322.0, 5297.0, 5661.0, 5692.0, 5258.0, 5520.0, 5261.0, 5473.0, 5384.0, 5347.0, 5448.0, 5621.0, 5376.0, 5292.0, 5548.0, 5493.0, 5636.0, 5446.0, 5440.0, 5604.0, 5507.0, 5678.0, 5337.0, 5382.0, 5658.0, 5600.0, 5707.0, 5542.0, 5426.0, 5568.0, 5723.0, 5603.0, 5421.0, 5293.0, 5508.0, 5373.0, 5434.0, 5375.0, 5485.0, 5475.0, 5302.0, 5606.0, 5410.0, 5516.0, 5275.0, 5563.0, 5404.0, 5602.0, 5595.0, 5273.0, 5351.0, 5676.0, 5624.0, 5710.0, 5296.0, 5400.0, 5342.0, 5578.0, 5447.0, 5300.0, 5491.0, 5452.0, 5588.0, 5524.0, 5323.0, 5324.0, 5674.0, 5354.0, 5565.0, 5260.0, 5554.0, 5420.0, 5634.0, 5648.0, 5442.0, 5468.0, 5712.0, 5583.0, 5489.0, 5326.0, 5605.0, 5405.0, 5367.0, 5650.0, 5441.0 (number of hits: 18)
19	5290	9	1	333	1	5329.0, 5661.0, 5261.0, 5612.0, 5320.0, 5441.0, 5520.0, 5264.0, 5476.0, 5446.0, 5604.0, 5307.0, 5323.0, 5382.0, 5420.0, 5417.0, 5270.0, 5294.0, 5557.0, 5568.0, 5619.0, 5638.0, 5640.0, 5377.0, 5325.0, 5310.0, 5482.0, 5472.0, 5463.0, 5583.0, 5514.0, 5693.0, 5341.0, 5679.0, 5616.0, 5322.0, 5387.0, 5437.0, 5503.0, 5509.0, 5680.0, 5284.0, 5530.0, 5720.0, 5484.0, 5460.0, 5649.0, 5571.0, 5614.0, 5493.0, 5665.0, 5317.0, 5362.0, 5302.0, 5645.0, 5424.0, 5502.0, 5271.0, 5494.0, 5366.0, 5365.0, 5654.0, 5413.0, 5588.0, 5567.0, 5539.0, 5260.0, 5409.0, 5327.0, 5277.0, 5572.0, 5371.0, 5339.0, 5291.0, 5513.0, 5542.0, 5535.0, 5495.0, 5563.0, 5624.0, 5712.0, 5288.0, 5708.0, 5453.0, 5363.0, 5508.0, 5479.0, 5641.0, 5615.0, 5384.0, 5576.0, 5721.0, 5379.0, 5408.0, 5358.0, 5549.0, 5315.0, 5396.0, 5594.0, 5275.0 (number of hits: 22)
20	5290	9	1	333	1	5328.0, 5392.0, 5469.0, 5579.0, 5619.0, 5588.0, 5422.0, 5525.0, 5326.0, 5452.0, 5457.0, 5608.0, 5663.0, 5420.0, 5332.0, 5515.0, 5620.0, 5528.0, 5467.0, 5510.0, 5353.0, 5444.0, 5551.0, 5264.0, 5265.0, 5560.0, 5655.0, 5464.0, 5711.0, 5581.0, 5488.0, 5561.0, 5718.0, 5429.0, 5271.0, 5632.0, 5364.0, 5699.0, 5474.0, 5659.0,

						5291.0, 5692.0, 5286.0, 5635.0, 5424.0, 5476.0, 5387.0, 5603.0, 5580.0, 5327.0, 5502.0, 5667.0, 5344.0, 5296.0, 5333.0, 5712.0, 5509.0, 5363.0, 5322.0, 5430.0, 5570.0, 5548.0, 5605.0, 5688.0, 5340.0, 5521.0, 5343.0, 5289.0, 5450.0, 5622.0, 5715.0, 5609.0, 5321.0, 5683.0, 5254.0, 5472.0, 5558.0, 5496.0, 5613.0, 5300.0, 5311.0, 5651.0, 5368.0, 5371.0, 5585.0, 5394.0, 5505.0, 5537.0, 5662.0, 5459.0, 5468.0, 5722.0, 5266.0, 5347.0, 5460.0, 5600.0, 5657.0, 5658.0, 5652.0, 5708.0 (number of hits: 16)
21	5290	9	1	333	1	5548.0, 5262.0, 5672.0, 5494.0, 5385.0, 5429.0, 5503.0, 5405.0, 5328.0, 5342.0, 5712.0, 5381.0, 5442.0, 5679.0, 5592.0, 5397.0, 5682.0, 5533.0, 5396.0, 5475.0, 5564.0, 5458.0, 5355.0, 5706.0, 5278.0, 5710.0, 5280.0, 5506.0, 5478.0, 5291.0, 5421.0, 5690.0, 5307.0, 5448.0, 5711.0, 5282.0, 5269.0, 5529.0, 5349.0, 5581.0, 5486.0, 5358.0, 5566.0, 5482.0, 5495.0, 5607.0, 5453.0, 5692.0, 5374.0, 5660.0, 5309.0, 5392.0, 5287.0, 5264.0, 5638.0, 5724.0, 5425.0, 5677.0, 5371.0, 5652.0, 5500.0, 5573.0, 5631.0, 5590.0, 5574.0, 5411.0, 5545.0, 5675.0, 5339.0, 5433.0, 5304.0, 5597.0, 5388.0, 5633.0, 5626.0, 5354.0, 5603.0, 5386.0, 5359.0, 5571.0, 5305.0, 5536.0, 5268.0, 5352.0, 5641.0, 5286.0, 5413.0, 5306.0, 5668.0, 5408.0, 5644.0, 5541.0, 5676.0, 5691.0, 5651.0, 5563.0, 5538.0, 5646.0, 5630.0, 5422.0 (number of hits: 16)
22	5290	9	1	333	1	5532.0, 5581.0, 5626.0, 5614.0, 5454.0, 5417.0, 5617.0, 5547.0, 5710.0, 5466.0, 5301.0, 5691.0, 5494.0, 5355.0, 5274.0, 5525.0, 5496.0, 5366.0, 5442.0, 5362.0, 5664.0, 5644.0, 5465.0, 5533.0, 5539.0, 5342.0, 5713.0, 5594.0, 5307.0, 5318.0, 5263.0, 5299.0, 5387.0, 5359.0, 5269.0, 5645.0, 5449.0, 5385.0, 5409.0, 5622.0, 5437.0, 5719.0, 5290.0, 5498.0, 5271.0, 5534.0, 5507.0, 5670.0, 5472.0, 5493.0, 5398.0, 5350.0, 5718.0, 5608.0, 5304.0, 5480.0, 5680.0, 5483.0, 5253.0, 5699.0, 5338.0, 5618.0, 5672.0, 5434.0, 5403.0, 5487.0, 5637.0, 5478.0, 5313.0, 5666.0, 5712.0, 5285.0, 5361.0, 5259.0, 5373.0, 5314.0, 5556.0, 5401.0, 5292.0, 5462.0, 5621.0, 5565.0, 5589.0, 5709.0, 5502.0, 5639.0, 5513.0, 5289.0, 5297.0, 5722.0, 5370.0, 5646.0, 5316.0, 5716.0, 5391.0, 5416.0, 5573.0, 5548.0, 5675.0, 5402.0 (number of hits: 19)
23	5290	9	1	333	1	5654.0, 5376.0, 5540.0, 5691.0, 5338.0, 5415.0, 5507.0, 5651.0, 5429.0, 5556.0, 5505.0, 5354.0, 5408.0, 5708.0, 5349.0, 5523.0, 5663.0, 5629.0, 5308.0, 5500.0,

						5624.0, 5510.0, 5384.0, 5493.0, 5284.0, 5564.0, 5274.0, 5694.0, 5355.0, 5711.0, 5636.0, 5590.0, 5713.0, 5508.0, 5353.0, 5350.0, 5554.0, 5701.0, 5501.0, 5447.0, 5433.0, 5351.0, 5587.0, 5392.0, 5367.0, 5341.0, 5616.0, 5539.0, 5300.0, 5399.0, 5451.0, 5372.0, 5268.0, 5445.0, 5684.0, 5467.0, 5312.0, 5665.0, 5412.0, 5671.0, 5688.0, 5253.0, 5705.0, 5494.0, 5290.0, 5485.0, 5492.0, 5497.0, 5521.0, 5484.0, 5470.0, 5346.0, 5444.0, 5260.0, 5462.0, 5380.0, 5633.0, 5422.0, 5385.0, 5690.0, 5661.0, 5397.0, 5504.0, 5266.0, 5270.0, 5276.0, 5499.0, 5359.0, 5463.0, 5603.0, 5681.0, 5634.0, 5607.0, 5324.0, 5673.0, 5309.0, 5370.0, 5566.0, 5303.0, 5286.0 (number of hits: 16)
24	5290	9	1	333	1	5331.0, 5455.0, 5693.0, 5624.0, 5699.0, 5266.0, 5524.0, 5557.0, 5566.0, 5512.0, 5645.0, 5580.0, 5538.0, 5356.0, 5326.0, 5555.0, 5258.0, 5269.0, 5629.0, 5324.0, 5651.0, 5492.0, 5647.0, 5330.0, 5454.0, 5636.0, 5463.0, 5713.0, 5591.0, 5412.0, 5485.0, 5676.0, 5490.0, 5585.0, 5520.0, 5264.0, 5539.0, 5316.0, 5342.0, 5438.0, 5253.0, 5370.0, 5261.0, 5413.0, 5487.0, 5384.0, 5471.0, 5649.0, 5615.0, 5383.0, 5388.0, 5410.0, 5475.0, 5509.0, 5510.0, 5712.0, 5273.0, 5657.0, 5607.0, 5293.0, 5377.0, 5620.0, 5431.0, 5470.0, 5720.0, 5401.0, 5683.0, 5718.0, 5628.0, 5537.0, 5322.0, 5290.0, 5270.0, 5592.0, 5489.0, 5315.0, 5458.0, 5403.0, 5616.0, 5474.0, 5283.0, 5533.0, 5638.0, 5703.0, 5343.0, 5719.0, 5334.0, 5385.0, 5655.0, 5251.0, 5695.0, 5355.0, 5393.0, 5280.0, 5664.0, 5564.0, 5297.0, 5302.0, 5337.0, 5586.0 (number of hits: 20)
25	5290	9	1	333	1	5587.0, 5688.0, 5423.0, 5680.0, 5330.0, 5251.0, 5635.0, 5610.0, 5396.0, 5335.0, 5672.0, 5310.0, 5334.0, 5306.0, 5379.0, 5417.0, 5516.0, 5564.0, 5324.0, 5259.0, 5627.0, 5266.0, 5497.0, 5578.0, 5593.0, 5668.0, 5418.0, 5426.0, 5691.0, 5645.0, 5620.0, 5505.0, 5328.0, 5294.0, 5488.0, 5543.0, 5329.0, 5666.0, 5442.0, 5542.0, 5558.0, 5470.0, 5275.0, 5646.0, 5265.0, 5276.0, 5326.0, 5321.0, 5278.0, 5261.0, 5566.0, 5602.0, 5402.0, 5479.0, 5394.0, 5455.0, 5718.0, 5618.0, 5495.0, 5352.0, 5480.0, 5518.0, 5323.0, 5694.0, 5686.0, 5597.0, 5375.0, 5339.0, 5486.0, 5596.0, 5254.0, 5501.0, 5579.0, 5619.0, 5424.0, 5496.0, 5560.0, 5575.0, 5340.0, 5705.0, 5572.0, 5709.0, 5582.0, 5529.0, 5304.0, 5589.0, 5544.0, 5513.0, 5472.0, 5577.0, 5441.0, 5537.0, 5359.0, 5371.0, 5662.0, 5464.0, 5297.0, 5287.0, 5607.0, 5353.0 (number of hits: 21)

26	5290	9	1	333	1	5565.0, 5365.0, 5602.0, 5451.0, 5718.0, 5574.0, 5332.0, 5659.0, 5652.0, 5334.0, 5384.0, 5411.0, 5396.0, 5502.0, 5370.0, 5292.0, 5519.0, 5583.0, 5561.0, 5265.0, 5494.0, 5380.0, 5468.0, 5455.0, 5646.0, 5452.0, 5342.0, 5440.0, 5324.0, 5337.0, 5484.0, 5581.0, 5351.0, 5534.0, 5470.0, 5256.0, 5589.0, 5291.0, 5302.0, 5628.0, 5527.0, 5623.0, 5257.0, 5560.0, 5309.0, 5367.0, 5550.0, 5606.0, 5466.0, 5522.0, 5539.0, 5495.0, 5358.0, 5723.0, 5397.0, 5632.0, 5401.0, 5389.0, 5355.0, 5319.0, 5421.0, 5392.0, 5608.0, 5407.0, 5262.0, 5609.0, 5301.0, 5366.0, 5475.0, 5670.0, 5655.0, 5340.0, 5408.0, 5576.0, 5590.0, 5717.0, 5531.0, 5377.0, 5327.0, 5415.0, 5276.0, 5289.0, 5473.0, 5299.0, 5607.0, 5538.0, 5269.0, 5363.0, 5703.0, 5266.0, 5706.0, 5263.0, 5686.0, 5553.0, 5719.0, 5438.0, 5533.0, 5545.0, 5512.0, 5523.0 (number of hits: 18)
27	5290	9	1	333	1	5422.0, 5332.0, 5718.0, 5674.0, 5419.0, 5311.0, 5565.0, 5503.0, 5581.0, 5654.0, 5591.0, 5611.0, 5576.0, 5626.0, 5559.0, 5521.0, 5648.0, 5536.0, 5562.0, 5690.0, 5421.0, 5603.0, 5623.0, 5703.0, 5558.0, 5598.0, 5318.0, 5526.0, 5453.0, 5392.0, 5694.0, 5271.0, 5507.0, 5657.0, 5687.0, 5607.0, 5446.0, 5316.0, 5374.0, 5529.0, 5256.0, 5509.0, 5651.0, 5436.0, 5447.0, 5269.0, 5482.0, 5322.0, 5346.0, 5476.0, 5708.0, 5612.0, 5359.0, 5279.0, 5348.0, 5375.0, 5270.0, 5302.0, 5556.0, 5320.0, 5540.0, 5691.0, 5408.0, 5454.0, 5262.0, 5645.0, 5601.0, 5379.0, 5589.0, 5530.0, 5288.0, 5705.0, 5461.0, 5681.0, 5697.0, 5361.0, 5354.0, 5550.0, 5464.0, 5298.0, 5442.0, 5568.0, 5502.0, 5700.0, 5301.0, 5497.0, 5364.0, 5382.0, 5479.0, 5519.0, 5366.0, 5614.0, 5370.0, 5619.0, 5357.0, 5443.0, 5336.0, 5306.0, 5481.0, 5384.0 (number of hits: 16)
28	5290	9	1	333	1	5649.0, 5479.0, 5363.0, 5702.0, 5516.0, 5320.0, 5315.0, 5301.0, 5527.0, 5536.0, 5352.0, 5317.0, 5640.0, 5446.0, 5553.0, 5688.0, 5501.0, 5654.0, 5611.0, 5330.0, 5465.0, 5299.0, 5344.0, 5443.0, 5469.0, 5300.0, 5452.0, 5645.0, 5312.0, 5540.0, 5342.0, 5275.0, 5478.0, 5677.0, 5630.0, 5619.0, 5491.0, 5559.0, 5432.0, 5497.0, 5670.0, 5333.0, 5707.0, 5599.0, 5281.0, 5274.0, 5272.0, 5394.0, 5698.0, 5490.0, 5303.0, 5387.0, 5618.0, 5545.0, 5539.0, 5390.0, 5590.0, 5685.0, 5368.0, 5579.0, 5287.0, 5657.0, 5291.0, 5326.0, 5445.0, 5717.0, 5496.0, 5289.0, 5292.0, 5460.0, 5295.0, 5388.0, 5665.0, 5548.0, 5375.0, 5543.0, 5476.0, 5335.0, 5681.0, 5587.0, 5308.0, 5372.0, 5663.0, 5353.0, 5563.0,

						5699.0, 5582.0, 5512.0, 5412.0, 5430.0, 5385.0, 5585.0, 5389.0, 5309.0, 5290.0, 5656.0, 5339.0, 5600.0, 5695.0, 5578.0 (number of hits: 21)
29	5290	9	1	333	1	5354.0, 5657.0, 5711.0, 5386.0, 5297.0, 5363.0, 5414.0, 5516.0, 5607.0, 5680.0, 5407.0, 5601.0, 5543.0, 5269.0, 5619.0, 5614.0, 5592.0, 5484.0, 5508.0, 5677.0, 5668.0, 5660.0, 5651.0, 5531.0, 5606.0, 5379.0, 5281.0, 5517.0, 5466.0, 5336.0, 5487.0, 5314.0, 5635.0, 5624.0, 5571.0, 5315.0, 5697.0, 5418.0, 5539.0, 5704.0, 5300.0, 5647.0, 5518.0, 5261.0, 5582.0, 5483.0, 5710.0, 5648.0, 5451.0, 5384.0, 5589.0, 5707.0, 5620.0, 5695.0, 5598.0, 5470.0, 5650.0, 5522.0, 5343.0, 5467.0, 5550.0, 5387.0, 5391.0, 5435.0, 5532.0, 5581.0, 5355.0, 5536.0, 5317.0, 5666.0, 5394.0, 5722.0, 5385.0, 5423.0, 5617.0, 5463.0, 5294.0, 5410.0, 5501.0, 5594.0, 5358.0, 5583.0, 5283.0, 5307.0, 5645.0, 5590.0, 5609.0, 5253.0, 5396.0, 5323.0, 5718.0, 5426.0, 5310.0, 5634.0, 5251.0, 5702.0, 5339.0, 5250.0, 5699.0, 5626.0 (number of hits: 16)
30	5290	9	1	333	1	5363.0, 5333.0, 5619.0, 5359.0, 5374.0, 5615.0, 5262.0, 5536.0, 5539.0, 5616.0, 5443.0, 5440.0, 5654.0, 5355.0, 5424.0, 5296.0, 5420.0, 5444.0, 5429.0, 5668.0, 5432.0, 5371.0, 5270.0, 5418.0, 5457.0, 5645.0, 5723.0, 5605.0, 5669.0, 5586.0, 5512.0, 5393.0, 5394.0, 5712.0, 5422.0, 5500.0, 5649.0, 5516.0, 5685.0, 5608.0, 5399.0, 5435.0, 5272.0, 5582.0, 5357.0, 5633.0, 5389.0, 5323.0, 5508.0, 5709.0, 5628.0, 5526.0, 5490.0, 5256.0, 5601.0, 5680.0, 5593.0, 5574.0, 5295.0, 5696.0, 5652.0, 5571.0, 5322.0, 5679.0, 5715.0, 5339.0, 5480.0, 5584.0, 5257.0, 5475.0, 5538.0, 5280.0, 5541.0, 5281.0, 5525.0, 5309.0, 5595.0, 5368.0, 5689.0, 5360.0, 5540.0, 5663.0, 5719.0, 5290.0, 5528.0, 5434.0, 5291.0, 5620.0, 5286.0, 5621.0, 5283.0, 5578.0, 5342.0, 5529.0, 5412.0, 5450.0, 5492.0, 5259.0, 5577.0, 5667.0 (number of hits: 17)

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	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:

5500 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	57	1	938	1
2	5500	92	1	578	1
3	5500	76	1	698	1
4	5500	58	1	918	1
5	5500	65	1	818	1
6	5500	95	1	558	1
7	5500	62	1	858	1
8	5500	81	1	658	1
9	5500	72	1	738	1
10	5500	89	1	598	1
11	5500	63	1	838	1
12	5500	74	1	718	1
13	5500	83	1	638	1
14	5500	99	1	538	1
15	5500	18	1	3066	1
16	5500	38	1	1400	1
17	5500	23	1	2380	1
18	5500	88	1	605	1
19	5500	20	1	2761	1
20	5500	38	1	1408	1
21	5500	85	1	621	1
22	5500	19	1	2844	1
23	5500	47	1	1143	1
24	5500	56	1	948	1
25	5500	49	1	1089	1
26	5500	22	1	2448	1
27	5500	25	1	2160	1
28	5500	18	1	2960	1
29	5500	26	1	2102	1
30	5500	50	1	1060	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	5500	23	3.6	155	1
2	5500	27	1.7	163	1
3	5500	29	5	208	1
4	5500	26	2	201	1
5	5500	24	1.6	183	1
6	5500	29	4.2	223	1
7	5500	24	1.4	187	1
8	5500	29	4.5	200	1
9	5500	25	4.5	153	1
10	5500	29	3.8	191	1
11	5500	29	2.3	227	1
12	5500	25	4.5	207	1
13	5500	27	1.2	163	1
14	5500	28	4.7	211	1
15	5500	26	3.8	172	1
16	5500	28	2.6	179	1
17	5500	29	4	163	1
18	5500	29	2.6	199	1
19	5500	27	1.2	213	1
20	5500	25	2.2	161	1
21	5500	28	3	218	1
22	5500	28	1.2	192	1
23	5500	28	2.8	192	1
24	5500	26	4.1	177	1
25	5500	28	1	189	1
26	5500	26	3.4	185	1
27	5500	28	2.1	205	1
28	5500	25	4.2	196	1
29	5500	29	4.5	180	1
30	5500	24	1.1	168	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	5500	18	6.2	311	1
2	5500	17	9.8	333	1
3	5500	18	9.3	393	1
4	5500	17	7.3	265	1
5	5500	18	7.3	251	1
6	5500	16	7.7	346	1
7	5500	16	6.4	307	1
8	5500	16	7.2	390	1
9	5500	17	9	253	1
10	5500	17	8.6	443	1
11	5500	16	6.2	205	1
12	5500	18	7.4	451	1
13	5500	16	9	479	1
14	5500	16	7.7	216	1
15	5500	16	8.8	364	1
16	5500	17	7.5	253	1
17	5500	17	9.8	499	1
18	5500	17	9.2	206	1
19	5500	17	7.2	396	1
20	5500	18	8.1	293	1
21	5500	18	9.3	360	1
22	5500	17	9.1	260	1
23	5500	18	7.3	293	1
24	5500	16	10	422	1
25	5500	17	8	212	1
26	5500	17	7.5	459	1
27	5500	16	7.6	409	1
28	5500	17	8.7	371	1
29	5500	17	10	307	1
30	5500	16	8.2	203	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	5500	13	12.2	327	1
2	5500	16	16.4	421	1
3	5500	14	18.7	428	1
4	5500	14	11.1	352	1
5	5500	16	13.7	470	1
6	5500	13	12.2	311	1
7	5500	12	11.8	440	1
8	5500	13	15.1	414	1
9	5500	13	12.5	200	1
10	5500	16	12.4	370	1
11	5500	14	14.1	274	1
12	5500	15	18.1	432	1
13	5500	15	14.1	406	1
14	5500	13	13.1	384	1
15	5500	12	18.6	253	1
16	5500	16	19.2	283	1
17	5500	12	12.2	327	1
18	5500	13	13.9	421	1
19	5500	14	20	381	1
20	5500	15	16.3	441	1
21	5500	16	11	419	1
22	5500	12	13.6	309	1
23	5500	14	16.6	409	1
24	5500	16	17.9	372	1
25	5500	16	18.9	318	1
26	5500	15	12.7	348	1
27	5500	13	17.3	388	1
28	5500	16	17.9	205	1
29	5500	13	14.6	364	1
30	5500	15	18.8	315	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5520	1
2	5520	1
3	5520	1
4	5520	1
5	5520	1
6	5520	1
7	5520	1
8	5520	1
9	5520	1
10	5520	1
11	5497.9	1
12	5494.7	1
13	5497.9	1
14	5495.9	1
15	5497.1	1
16	5497.5	1
17	5497.1	1
18	5499.1	1
19	5495.1	1
20	5494.3	1
21	5506.4	1
22	5506.8	1
23	5504.0	1
24	5506.4	1
25	5506.8	1
26	5503.2	1
27	5504.8	1
28	5504.0	1
29	5506.8	1
30	5503.6	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	61.1			0.567383	1
1	1	13	79.2			1.091192	
2	3	13	66.3	1595	1108	2.876169	
3	1	13	95.4			3.694574	
4	1	13	94.9			4.655118	
5	3	13	98.2	1150	1083	5.892318	
6	2	13	59.8	1641		6.758524	
7	2	13	79.8	1501		7.711116	
8	2	13	80.4	1148		8.412727	
9	2	13	54.7	1194		9.071927	
10	2	13	59.2	1061		10.739063	
11	3	13	57.4	1077	1686	11.136579	

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	12	57.1			0.060964	1
1	3	12	65.2	1163	1634	0.871125	
2	2	12	88.7	1900		1.61865	
3	2	12	70.7	1759		2.016169	
4	1	12	59.9			3.271649	
5	2	12	66.7	1930		3.973186	
6	2	12	64.8	1307		4.337324	
7	2	12	90.8	1997		4.851499	
8	3	12	97.6	1980	1183	5.498554	
9	2	12	87.1	1561		6.090493	
10	1	12	78.8			7.172124	
11	3	12	92	1516	1023	7.49274	
12	1	12	63.3			8.639247	
13	2	12	61.6	1275		9.096846	
14	2	12	78.3	1022		9.477221	
15	2	12	75.2	1277		10.394958	
16	2	12	63.8	1993		11.160223	
17	1	12	93.5			11.438496	

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	10	52.8	1974	1790	0.520957	1
1	2	10	86.8	1821		1.749096	
2	2	10	72.4	1147		3.828436	
3	2	10	98.9	1400		4.918723	
4	2	10	80.5	1367		6.161434	
5	2	10	69	1166		7.863572	
6	2	10	70.2	1725		9.172974	
7	2	10	74.5	1442		9.980179	
8	1	10	82.9			11.537181	

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	56.8			0.421485	1
1	3	15	88.6	1114	1066	1.219097	
2	2	15	72.8	1754		2.691222	
3	1	15	78.5			3.001434	
4	1	15	90.8			4.913972	
5	2	15	61.9	1723		5.945534	
6	2	15	57.4	1935		6.551734	
7	1	15	83			7.471631	
8	1	15	84			8.930207	
9	2	15	53.9	1169		9.61553	
10	1	15	96.2			10.576023	
11	2	15	52.8	1164		11.456246	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	50.8			0.532079	1
1	1	10	88.6			1.453368	
2	1	10	74.8			1.797452	
3	2	10	96.6	1430		2.268014	
4	2	10	52.5	1846		3.134825	
5	2	10	84.8	1006		4.105344	
6	1	10	65.4			5.233258	
7	3	10	92.9	1249	1862	5.828786	
8	1	10	68.5			6.098829	
9	1	10	96.4			6.872589	
10	2	10	95.8	1860		7.764458	
11	2	10	81.3	1574		8.94451	
12	1	10	87.8			9.681763	
13	2	10	75.4	1387		9.829635	
14	2	10	65.3	1175		11.228105	
15	3	10	59.6	1330	1182	11.881584	

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	15	82.1	1612	1839	0.081018	1
1	2	15	94.6	1581		0.981259	
2	3	15	56.9	1721	1660	1.543553	
3	2	15	67.1	1120		2.612283	
4	2	15	56.8	1864		2.715738	
5	2	15	53.8	1295		3.423199	
6	2	15	75.2	1654		4.109005	
7	2	15	61.2	1277		5.152431	
8	2	15	53.1	1544		5.734347	
9	2	15	84.5	1676		6.661324	
10	1	15	84.2			7.328936	
11	3	15	90.6	1804	1170	7.89087	
12	1	15	56.3			8.621645	
13	2	15	66.6	1045		9.065885	
14	1	15	87.7			9.764434	
15	2	15	90	1219		10.479651	
16	2	15	99.1	1012		10.819936	
17	2	15	50.5	1125		11.604348	

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	13	62.6	1085	1034	0.904222	1
1	2	13	89.6	1885		1.544304	
2	2	13	83.6	1625		2.589784	
3	2	13	77.2	1160		4.224969	
4	1	13	77.9			4.889867	
5	2	13	71.9	1866		6.897112	
6	2	13	66.6	1216		7.880793	
7	3	13	97.4	1597	1088	8.974705	
8	2	13	54.1	1575		10.197781	
9	1	13	75.5			11.380885	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	99.2	1585		0.203335	1
1	3	10	90.5	1180	1254	1.442336	
2	3	10	58.2	1829	1722	2.131625	
3	2	10	56.6	1738		2.860245	
4	3	10	71.3	1370	1131	3.313418	
5	1	10	51.3			4.466274	
6	1	10	83.8			4.517331	
7	1	10	87.3			5.405999	
8	2	10	93.8	1984		6.225029	
9	2	10	56.7	1096		7.383845	
10	2	10	92.7	1965		7.845515	
11	2	10	83.6	1612		8.890233	
12	2	10	92.8	1665		9.647523	
13	2	10	57.3	1523		10.113159	
14	1	10	64.5			10.876733	
15	2	10	57.3	1814		11.736594	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	94.9	1430		0.975766	
1	3	14	90.7	1370	1873	1.449434	
2	3	14	97.8	1648	1442	3.095179	
3	2	14	60.9	1667		4.125876	
4	2	14	55.5	1095		4.555816	
5	2	14	97.7	1799		6.375712	1
6	2	14	58.4	1086		7.430468	
7	2	14	97.8	1334		8.224714	
8	2	14	85.3	1024		8.911748	
9	2	14	69.3	1802		10.369456	
10	2	14	63.3	1357		11.083332	

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	61.2	1063		0.484667	
1	3	9	57.8	1992	1888	1.273092	
2	2	9	55.1	1404		1.961854	
3	2	9	84.4	1628		2.117643	
4	3	9	63.4	1424	1395	3.15529	
5	3	9	57.2	1124	1806	3.533511	
6	3	9	81.3	1893	1305	4.276553	
7	2	9	84.8	1363		5.109957	
8	3	9	72.6	1181	1092	5.557822	
9	1	9	93.3			6.161504	1
10	2	9	97.5	1088		7.122149	
11	2	9	94.8	1376		7.56293	
12	1	9	72.3			8.093353	
13	2	9	98.5	1624		9.118149	
14	1	9	93.4			9.494306	
15	2	9	67.1	1682		10.589577	
16	2	9	78.2	1411		11.182301	
17	1	9	75.1			11.55403	

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	16	57.4	1872		0.035931	1
1	2	16	56.8	1206		1.38264	
2	3	16	52.1	1023	1833	2.151928	
3	2	16	67.8	1812		3.232137	
4	2	16	92.2	1822		4.925845	
5	2	16	90.1	1794		5.684238	
6	3	16	58.7	1015	1562	6.522265	
7	1	16	79.3			7.017166	
8	2	16	78.5	1328		8.843934	
9	1	16	85.7			9.004342	
10	1	16	52.9			10.140451	
11	1	16	63.3			11.688259	

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	8	74.4	1016		0.519296	1
1	2	8	60.6	1554		1.064909	
2	2	8	64.8	1344		2.375318	
3	2	8	64.9	1519		3.588168	
4	3	8	92.4	1866	1689	4.573743	
5	3	8	60.8	1291	1474	4.700764	
6	3	8	97.6	1207	1234	5.623047	
7	3	8	56.6	1031	1216	7.167182	
8	2	8	86.2	1699		7.700684	
9	1	8	87			8.436893	
10	2	8	72.7	1361		9.313871	
11	1	8	97.6			10.486425	
12	1	8	76.4			11.763362	

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	99.7	1884		0.438689	1
1	1	16	67.9			2.63217	
2	1	16	83.8			3.725502	
3	1	16	86.6			5.930646	
4	3	16	76.4	1997	1207	6.478017	
5	3	16	83.1	1658	1256	7.720433	
6	2	16	90.9	1114		9.546478	
7	3	16	92.4	1869	1376	11.079627	

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	11	97.5	1358	1232	0.288951	1
1	2	11	86.6	1064		1.198132	
2	3	11	87.2	1826	1326	1.775487	
3	2	11	86.3	1872		2.605408	
4	2	11	63.6	1184		3.374024	
5	1	11	95.2			4.237553	
6	2	11	96.6	1504		4.649622	
7	1	11	57.3			5.819369	
8	1	11	65.1			6.356758	
9	2	11	76.9	1966		7.280346	
10	3	11	93.5	1557	1460	7.99507	
11	2	11	61.6	1429		8.837572	
12	3	11	95.9	1193	1894	9.294452	
13	2	11	93.7	1846		9.913138	
14	2	11	55.9	1415		10.515014	
15	3	11	83.8	1591	1721	11.607687	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	54.4	1198	1284	0.105474	1
1	1	14	72.7			2.381413	
2	1	14	52			2.953862	
3	2	14	57.3	1125		3.984711	
4	2	14	75.3	1379		5.565912	
5	2	14	68.7	1934		6.41652	
6	2	14	85.5	1334		7.264586	
7	1	14	51.3			9.307567	
8	3	14	73.1	1828	1880	9.622009	
9	2	14	93.8	1589		11.887997	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	84.2			0.502123	1
1	2	15	70.8	1554		1.229135	
2	1	15	73.4			1.451182	
3	1	15	65.6			2.264312	
4	2	15	96.2	1566		2.607804	
5	2	15	74.1	1681		3.367935	
6	1	15	75.2			3.973342	
7	2	15	69	1255		4.839791	
8	2	15	82.6	1326		5.28308	
9	2	15	55.4	1933		5.704682	
10	3	15	63.9	1591	1289	6.857681	
11	2	15	62.2	1206		7.046182	
12	3	15	54.4	1561	1833	7.854287	
13	2	15	79.9	1572		8.504084	
14	1	15	89.5			8.997423	
15	2	15	90.7	1114		9.749676	
16	2	15	96.7	1374		10.356589	
17	2	15	57.5	1441		11.196492	
18	2	15	92.1	1216		11.809116	

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	14	86.3			0.19232	
1	1	14	91.6			1.586657	
2	1	14	78.1			2.296323	
3	1	14	58.9			3.341594	
4	1	14	97.6			4.176144	
5	1	14	56.6			5.246248	
6	3	14	91.1	1111	1664	6.070557	1
7	2	14	69.9	1817		7.188438	
8	1	14	60.3			7.798339	
9	1	14	99.9			8.358614	
10	1	14	79.5			9.473146	
11	2	14	93.9	1619		11.004693	
12	1	14	95.4			11.214774	

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	19	88.8			0.669186	
1	1	19	86.6			1.481649	
2	3	19	54.9	1711	1032	2.01422	
3	1	19	77.7			2.657511	
4	2	19	98.1	1339		3.203931	
5	3	19	59.9	1739	1212	4.271172	
6	3	19	97.9	1737	1734	4.79666	
7	2	19	61.3	1335		5.822981	1
8	2	19	96.3	1086		6.252432	
9	1	19	52.1			6.771055	
10	2	19	99.2	1222		8.052622	
11	3	19	60.9	1481	1728	8.511958	
12	2	19	88.1	1232		9.118403	
13	1	19	64.4			10.294282	
14	1	19	58.7			11.073649	
15	3	19	57.1	1492	1862	11.741434	

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	79.6			0.150232	
1	2	9	99.5	1424		0.763448	
2	2	9	56	1243		1.703094	
3	3	9	73.7	1108	1553	2.409362	
4	1	9	96.2			2.877245	
5	1	9	94.3			3.159138	
6	1	9	88.3			4.182213	
7	2	9	99.9	1452		4.842377	
8	2	9	88.5	1787		5.570409	
9	3	9	74.5	1232	1881	5.843557	1
10	2	9	79.4	1931		6.594985	
11	2	9	53.6	1130		7.531089	
12	1	9	58.2			7.724406	
13	3	9	94.2	1385	1303	8.709291	
14	3	9	62.7	1174	1866	8.886349	
15	2	9	61.3	1482		9.975222	
16	3	9	61.2	1583	1020	10.446968	
17	2	9	96.7	1976		11.060744	
18	1	9	54.3			11.683554	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	79.3			0.466721	1
1	2	7	61.5	1633		1.081187	
2	2	7	77.6	1783		1.628558	
3	2	7	85.3	1638		2.886306	
4	2	7	78	1179		3.38821	
5	1	7	50.4			3.977005	
6	3	7	82.6	1824	1905	4.924676	
7	3	7	57.7	1411	1057	5.431367	
8	1	7	68.2			6.568434	
9	2	7	62.7	1580		7.301412	
10	3	7	81.5	1385	1572	8.161072	
11	1	7	62			8.499263	
12	1	7	94.2			9.095119	
13	1	7	96.2			9.831051	
14	2	7	78.4	1115		11.156742	
15	2	7	58.9	1356		11.523806	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	66.9	1010	1241	0.667723	1
1	2	9	58.8	1773		2.217444	
2	2	9	55.9	1662		3.073565	
3	2	9	99.6	1058		4.725751	
4	1	9	90.8			5.845245	
5	2	9	72.9	1778		6.589387	
6	2	9	86	1234		7.896068	
7	1	9	62			9.566843	
8	2	9	80	1458		9.846572	
9	2	9	63.7	1151		11.717902	

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	8	98.5	1287	1470	0.017326	1
1	2	8	85.9	1939		1.329264	
2	1	8	91.2			2.195662	
3	3	8	53.3	1781	1794	2.803721	
4	2	8	94.6	1536		3.598353	
5	3	8	99.6	1371	1018	4.210778	
6	2	8	54.1	1324		4.717551	
7	3	8	70.6	1078	1285	5.748628	
8	1	8	87.6			6.155526	
9	1	8	70.8			7.242096	
10	1	8	59.1			8.035748	
11	2	8	65.7	1923		8.94983	
12	2	8	67.7	1093		9.563982	
13	1	8	64.8			10.370544	
14	1	8	57.5			11.128014	
15	3	8	66	1931	1362	11.35313	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	82.2	1279		1.391867	1
1	2	14	93.7	1725		2.759988	
2	3	14	96.5	1627	1968	3.309254	
3	2	14	77.3	1790		5.155263	
4	3	14	59.3	1154	1401	6.980255	
5	2	14	52.5	1591		8.534333	
6	1	14	75.8			10.345218	
7	2	14	88.9	1883		11.050238	

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	9	65	1538		0.476643	1
1	2	9	85	1984		0.858515	
2	2	9	98.2	1968		2.361836	
3	1	9	58.3			2.829701	
4	1	9	52.8			3.384075	
5	2	9	96.4	1405		4.160251	
6	3	9	99.4	1742	1609	5.181464	
7	2	9	100	1713		6.250077	
8	2	9	85.1	1245		6.535202	
9	2	9	79.6	1417		7.518871	
10	3	9	91.6	1656	1909	8.497441	
11	2	9	90.8	1556		9.530009	
12	3	9	75.6	1620	1045	10.075508	
13	3	9	80	1657	1945	10.478364	
14	2	9	56.8	1973		11.316329	

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	8	88.1	1298		0.181068	
1	1	8	91.3			1.198118	
2	3	8	98.9	1421	1667	1.474472	
3	3	8	92.7	1036	1877	2.286272	
4	3	8	50.7	1000	1319	2.82071	
5	2	8	77.2	1942		3.289342	
6	3	8	70.7	1786	1736	4.308555	
7	3	8	53.3	1277	1144	4.510825	
8	1	8	87.9			5.375577	
9	2	8	79.5	1348		5.849834	1
10	2	8	65.3	1399		6.585855	
11	1	8	84.2			7.253848	
12	2	8	65.9	1940		7.770782	
13	3	8	87.3	1541	1926	8.58467	
14	3	8	99.2	1342	1843	9.346716	
15	1	8	100			9.875635	
16	2	8	96.2	1632		10.141021	
17	2	8	50.1	1871		10.944219	
18	1	8	82.8			11.895265	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	96.5	1725	1095	0.517161	
1	2	17	79.9	1721		1.3801	
2	2	17	93.4	1317		2.374816	
3	1	17	95.8			2.70478	
4	3	17	73	1526	1250	3.627371	
5	2	17	99.4	1267		4.89863	
6	3	17	54.8	1701	1452	5.288986	
7	1	17	91.4			6.684624	1
8	2	17	82.6	1538		6.900048	
9	2	17	99.2	1077		7.850846	
10	2	17	65.8	1671		8.945496	
11	1	17	51.3			10.085637	
12	2	17	69.9	1874		10.702639	
13	2	17	78.2	1821		11.35309	

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	74.8	1082		0.604285	1
1	2	13	87.8	1490		1.279713	
2	2	13	56	1343		1.56263	
3	1	13	68.2			2.790857	
4	2	13	59.5	1202		3.026299	
5	3	13	90.1	1397	1305	4.461482	
6	2	13	53.9	1762		4.581034	
7	1	13	54.4			5.777711	
8	3	13	54.3	1475	1178	6.364517	
9	3	13	78.2	1032	1754	7.212916	
10	2	13	87.9	1073		7.708217	
11	2	13	51.5	1868		8.861593	
12	1	13	71.4			9.563371	
13	2	13	52.3	1298		9.883263	
14	1	13	75.7			10.500606	
15	1	13	90.6			11.460755	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	96.7			0.087352	1
1	2	15	56.7	1014		1.039024	
2	2	15	87.4	1839		1.703135	
3	1	15	93.5			2.624451	
4	2	15	91.4	1024		3.340116	
5	2	15	83	1783		4.09968	
6	3	15	98.3	1732	1102	4.783924	
7	3	15	59	1112	1634	5.48108	
8	2	15	77.8	1804		6.172701	
9	1	15	59.3			6.885089	
10	2	15	71.4	1163		7.591061	
11	2	15	58	1133		8.479404	
12	2	15	54	1615		9.489322	
13	2	15	94.2	1377		10.245112	
14	2	15	93.7	1590		10.710687	
15	2	15	82.3	1950		11.367819	

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	8	67.9	1851	1881	0.017546	1
1	1	8	64.8			1.106173	
2	2	8	59.6	1939		2.029666	
3	3	8	84.5	1442	1213	2.787148	
4	2	8	91.7	1957		3.582905	
5	2	8	95.3	1373		3.940963	
6	2	8	85.8	1139		5.028922	
7	1	8	91.1			5.284124	
8	3	8	51.1	1123	1029	6.037356	
9	2	8	85.1	1427		6.797463	
10	1	8	71			8.042926	
11	2	8	82.2	1366		8.532576	
12	2	8	53.9	1746		9.467542	
13	2	8	70.8	1778		9.99632	
14	1	8	73.9			10.903803	
15	2	8	99.5	1997		11.845206	

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	16	86.8	1236		0.358873	1
1	3	16	69.2	1266	1791	1.05478	
2	2	16	59.9	1303		2.385957	
3	3	16	57.8	1559	1235	2.802125	
4	2	16	84.8	1336		3.814437	
5	3	16	61.6	1854	1975	4.96331	
6	2	16	56.4	1157		5.220162	
7	2	16	52.6	1942		6.346531	
8	2	16	54.8	1108		7.141742	
9	1	16	57.2			7.783846	
10	1	16	67.7			8.837283	
11	3	16	61	1637	1554	10.230689	
12	2	16	73.1	1925		10.79359	
13	2	16	72.8	1848		11.301887	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500	9	1	333	1	5704.0, 5669.0, 5597.0, 5320.0, 5292.0, 5682.0, 5252.0, 5441.0, 5593.0, 5567.0, 5416.0, 5399.0, 5616.0, 5672.0, 5720.0, 5362.0, 5476.0, 5286.0, 5552.0, 5665.0, 5545.0, 5515.0, 5266.0, 5404.0, 5434.0, 5296.0, 5342.0, 5410.0, 5282.0, 5657.0, 5658.0, 5708.0, 5268.0, 5615.0, 5628.0, 5686.0, 5457.0, 5478.0, 5506.0, 5424.0, 5361.0, 5700.0, 5579.0, 5586.0, 5339.0, 5322.0, 5463.0, 5408.0, 5347.0, 5415.0, 5664.0, 5333.0, 5639.0, 5480.0, 5365.0, 5544.0, 5302.0, 5630.0, 5520.0, 5518.0, 5454.0, 5556.0, 5277.0, 5307.0, 5572.0, 5575.0, 5460.0, 5289.0, 5716.0, 5435.0, 5388.0, 5550.0, 5260.0, 5576.0, 5569.0, 5401.0, 5437.0, 5377.0, 5285.0, 5547.0, 5498.0, 5588.0, 5471.0, 5432.0, 5580.0, 5438.0, 5613.0, 5533.0, 5712.0, 5374.0, 5420.0, 5336.0, 5531.0, 5387.0, 5643.0, 5351.0, 5332.0, 5371.0, 5542.0, 5291.0 (number of hits: 2)
2	5500	9	1	333	1	5472.0, 5499.0, 5281.0, 5367.0, 5297.0, 5620.0, 5647.0, 5407.0, 5693.0, 5394.0, 5622.0, 5400.0, 5700.0, 5679.0, 5318.0, 5492.0, 5321.0, 5364.0, 5668.0, 5256.0, 5454.0, 5360.0, 5713.0, 5653.0, 5559.0, 5424.0, 5540.0, 5615.0, 5572.0, 5681.0, 5593.0, 5649.0, 5712.0, 5663.0, 5642.0, 5291.0, 5271.0, 5462.0, 5353.0, 5352.0, 5339.0, 5433.0, 5325.0, 5469.0, 5547.0, 5594.0, 5362.0, 5348.0, 5276.0, 5699.0, 5412.0, 5385.0, 5463.0, 5721.0, 5310.0, 5286.0, 5450.0, 5692.0, 5421.0, 5341.0, 5329.0, 5423.0, 5388.0, 5673.0, 5420.0, 5509.0, 5369.0, 5430.0, 5669.0, 5390.0, 5346.0, 5414.0, 5395.0, 5317.0, 5292.0, 5575.0, 5611.0, 5303.0, 5603.0, 5578.0, 5344.0, 5483.0, 5543.0, 5272.0, 5579.0, 5467.0, 5531.0, 5401.0, 5691.0, 5289.0, 5601.0, 5513.0, 5569.0, 5571.0, 5322.0, 5623.0, 5333.0, 5596.0, 5585.0, 5307.0 (number of hits: 3)
3	5500	9	1	333	1	5386.0, 5492.0, 5673.0, 5550.0, 5548.0, 5584.0, 5567.0, 5383.0, 5558.0, 5280.0, 5469.0, 5300.0, 5505.0, 5652.0, 5692.0, 5326.0, 5442.0, 5664.0, 5634.0, 5612.0, 5636.0, 5388.0, 5351.0, 5289.0, 5645.0, 5341.0, 5286.0, 5443.0, 5585.0, 5476.0, 5496.0, 5627.0, 5515.0, 5689.0, 5701.0, 5288.0, 5435.0, 5568.0, 5675.0, 5262.0, 5420.0, 5397.0, 5507.0, 5373.0, 5511.0, 5502.0, 5362.0, 5672.0, 5433.0, 5654.0, 5334.0, 5708.0, 5614.0, 5577.0, 5458.0,

						5303.0, 5499.0, 5405.0, 5695.0, 5608.0, 5338.0, 5579.0, 5379.0, 5414.0, 5543.0, 5721.0, 5533.0, 5683.0, 5402.0, 5447.0, 5588.0, 5481.0, 5392.0, 5436.0, 5421.0, 5484.0, 5711.0, 5376.0, 5582.0, 5472.0, 5648.0, 5623.0, 5691.0, 5306.0, 5389.0, 5704.0, 5526.0, 5279.0, 5553.0, 5716.0, 5628.0, 5400.0, 5649.0, 5387.0, 5679.0, 5438.0, 5302.0, 5556.0, 5258.0, 5594.0 (number of hits: 6)
4	5500	9	1	333	1	5544.0, 5431.0, 5664.0, 5471.0, 5681.0, 5297.0, 5556.0, 5620.0, 5348.0, 5473.0, 5299.0, 5584.0, 5421.0, 5378.0, 5623.0, 5513.0, 5416.0, 5573.0, 5394.0, 5385.0, 5397.0, 5502.0, 5720.0, 5549.0, 5375.0, 5527.0, 5342.0, 5680.0, 5533.0, 5257.0, 5263.0, 5481.0, 5319.0, 5655.0, 5687.0, 5709.0, 5285.0, 5359.0, 5585.0, 5438.0, 5349.0, 5294.0, 5278.0, 5488.0, 5338.0, 5353.0, 5387.0, 5469.0, 5275.0, 5648.0, 5290.0, 5380.0, 5647.0, 5618.0, 5594.0, 5712.0, 5631.0, 5679.0, 5555.0, 5296.0, 5503.0, 5592.0, 5543.0, 5650.0, 5456.0, 5506.0, 5595.0, 5279.0, 5613.0, 5668.0, 5382.0, 5371.0, 5365.0, 5492.0, 5403.0, 5361.0, 5436.0, 5656.0, 5306.0, 5701.0, 5534.0, 5670.0, 5392.0, 5455.0, 5325.0, 5274.0, 5599.0, 5321.0, 5523.0, 5333.0, 5586.0, 5615.0, 5607.0, 5703.0, 5423.0, 5406.0, 5554.0, 5624.0, 5311.0, 5601.0 (number of hits: 4)
5	5500	9	1	333	1	5390.0, 5307.0, 5494.0, 5445.0, 5562.0, 5682.0, 5711.0, 5473.0, 5535.0, 5313.0, 5625.0, 5448.0, 5672.0, 5271.0, 5549.0, 5537.0, 5482.0, 5333.0, 5543.0, 5498.0, 5567.0, 5639.0, 5511.0, 5440.0, 5678.0, 5467.0, 5522.0, 5488.0, 5359.0, 5437.0, 5360.0, 5547.0, 5378.0, 5641.0, 5414.0, 5697.0, 5287.0, 5362.0, 5622.0, 5686.0, 5329.0, 5502.0, 5615.0, 5401.0, 5701.0, 5660.0, 5555.0, 5720.0, 5714.0, 5532.0, 5286.0, 5508.0, 5603.0, 5477.0, 5252.0, 5526.0, 5557.0, 5381.0, 5356.0, 5692.0, 5377.0, 5513.0, 5564.0, 5587.0, 5581.0, 5265.0, 5280.0, 5712.0, 5578.0, 5605.0, 5474.0, 5428.0, 5491.0, 5607.0, 5515.0, 5576.0, 5676.0, 5570.0, 5496.0, 5323.0, 5424.0, 5273.0, 5423.0, 5713.0, 5308.0, 5299.0, 5640.0, 5455.0, 5354.0, 5449.0, 5443.0, 5554.0, 5279.0, 5595.0, 5702.0, 5710.0, 5306.0, 5468.0, 5707.0, 5343.0 (number of hits: 6)
6	5500	9	1	333	1	5616.0, 5613.0, 5535.0, 5351.0, 5416.0, 5502.0, 5463.0, 5305.0, 5499.0, 5590.0, 5485.0, 5452.0, 5273.0, 5609.0, 5444.0, 5705.0, 5480.0, 5512.0, 5439.0, 5468.0, 5586.0, 5610.0, 5497.0, 5430.0, 5556.0, 5298.0, 5501.0, 5372.0, 5500.0, 5380.0, 5387.0, 5703.0, 5336.0, 5278.0, 5327.0,

						5412.0, 5379.0, 5406.0, 5357.0, 5657.0, 5370.0, 5581.0, 5389.0, 5654.0, 5328.0, 5397.0, 5621.0, 5720.0, 5435.0, 5449.0, 5650.0, 5301.0, 5277.0, 5263.0, 5637.0, 5385.0, 5353.0, 5560.0, 5315.0, 5365.0, 5340.0, 5280.0, 5295.0, 5361.0, 5537.0, 5471.0, 5622.0, 5640.0, 5578.0, 5510.0, 5334.0, 5267.0, 5671.0, 5700.0, 5492.0, 5294.0, 5402.0, 5433.0, 5479.0, 5453.0, 5413.0, 5457.0, 5317.0, 5684.0, 5450.0, 5373.0, 5531.0, 5400.0, 5349.0, 5394.0, 5543.0, 5483.0, 5647.0, 5303.0, 5524.0, 5652.0, 5320.0, 5491.0, 5308.0, 5487.0 (number of hits: 7)
7	5500	9	1	333	1	5441.0, 5683.0, 5412.0, 5682.0, 5265.0, 5329.0, 5646.0, 5356.0, 5524.0, 5332.0, 5518.0, 5263.0, 5398.0, 5466.0, 5288.0, 5634.0, 5256.0, 5620.0, 5272.0, 5446.0, 5627.0, 5436.0, 5604.0, 5397.0, 5671.0, 5400.0, 5315.0, 5719.0, 5394.0, 5291.0, 5541.0, 5639.0, 5479.0, 5495.0, 5407.0, 5642.0, 5663.0, 5662.0, 5253.0, 5470.0, 5489.0, 5651.0, 5476.0, 5673.0, 5306.0, 5484.0, 5686.0, 5605.0, 5469.0, 5572.0, 5312.0, 5346.0, 5534.0, 5601.0, 5597.0, 5448.0, 5352.0, 5455.0, 5668.0, 5614.0, 5317.0, 5563.0, 5416.0, 5654.0, 5623.0, 5613.0, 5259.0, 5258.0, 5392.0, 5590.0, 5373.0, 5293.0, 5382.0, 5666.0, 5442.0, 5661.0, 5255.0, 5619.0, 5592.0, 5477.0, 5543.0, 5499.0, 5568.0, 5539.0, 5641.0, 5491.0, 5560.0, 5712.0, 5447.0, 5345.0, 5702.0, 5487.0, 5271.0, 5297.0, 5388.0, 5716.0, 5266.0, 5302.0, 5334.0, 5381.0 (number of hits: 3)
8	5500	9	1	333	1	5602.0, 5343.0, 5307.0, 5376.0, 5283.0, 5423.0, 5570.0, 5540.0, 5696.0, 5560.0, 5371.0, 5308.0, 5606.0, 5444.0, 5523.0, 5638.0, 5660.0, 5490.0, 5298.0, 5620.0, 5386.0, 5648.0, 5318.0, 5436.0, 5559.0, 5354.0, 5470.0, 5581.0, 5681.0, 5499.0, 5550.0, 5355.0, 5255.0, 5256.0, 5723.0, 5551.0, 5347.0, 5607.0, 5520.0, 5670.0, 5621.0, 5374.0, 5492.0, 5317.0, 5720.0, 5489.0, 5321.0, 5306.0, 5281.0, 5712.0, 5675.0, 5644.0, 5518.0, 5533.0, 5513.0, 5394.0, 5629.0, 5707.0, 5474.0, 5641.0, 5339.0, 5653.0, 5299.0, 5363.0, 5705.0, 5543.0, 5664.0, 5665.0, 5272.0, 5680.0, 5263.0, 5706.0, 5583.0, 5624.0, 5396.0, 5326.0, 5276.0, 5431.0, 5469.0, 5676.0, 5682.0, 5288.0, 5359.0, 5462.0, 5603.0, 5694.0, 5590.0, 5278.0, 5336.0, 5368.0, 5650.0, 5313.0, 5667.0, 5445.0, 5466.0, 5383.0, 5626.0, 5340.0, 5441.0, 5536.0 (number of hits: 3)
9	5500	9	1	333	1	5650.0, 5684.0, 5706.0, 5495.0, 5661.0, 5448.0, 5572.0, 5622.0, 5655.0, 5359.0, 5402.0, 5493.0, 5348.0, 5565.0, 5687.0,

						5683.0, 5545.0, 5425.0, 5353.0, 5451.0, 5665.0, 5390.0, 5641.0, 5707.0, 5563.0, 5619.0, 5385.0, 5674.0, 5611.0, 5467.0, 5382.0, 5606.0, 5504.0, 5640.0, 5326.0, 5356.0, 5515.0, 5620.0, 5517.0, 5263.0, 5494.0, 5564.0, 5580.0, 5525.0, 5602.0, 5481.0, 5539.0, 5569.0, 5693.0, 5507.0, 5595.0, 5685.0, 5403.0, 5439.0, 5656.0, 5562.0, 5639.0, 5363.0, 5463.0, 5407.0, 5542.0, 5516.0, 5723.0, 5568.0, 5280.0, 5508.0, 5251.0, 5523.0, 5557.0, 5442.0, 5290.0, 5537.0, 5456.0, 5474.0, 5583.0, 5627.0, 5651.0, 5548.0, 5342.0, 5566.0, 5547.0, 5669.0, 5396.0, 5579.0, 5724.0, 5414.0, 5635.0, 5338.0, 5709.0, 5271.0, 5393.0, 5383.0, 5286.0, 5285.0, 5555.0, 5519.0, 5551.0, 5666.0, 5446.0, 5697.0 (number of hits: 6)
10	5500	9	1	333	1	5367.0, 5460.0, 5341.0, 5608.0, 5656.0, 5379.0, 5523.0, 5475.0, 5408.0, 5625.0, 5543.0, 5674.0, 5491.0, 5374.0, 5257.0, 5691.0, 5493.0, 5423.0, 5573.0, 5710.0, 5339.0, 5425.0, 5705.0, 5671.0, 5382.0, 5440.0, 5368.0, 5395.0, 5595.0, 5258.0, 5711.0, 5356.0, 5505.0, 5660.0, 5681.0, 5311.0, 5302.0, 5669.0, 5542.0, 5639.0, 5704.0, 5642.0, 5432.0, 5626.0, 5621.0, 5620.0, 5265.0, 5439.0, 5346.0, 5509.0, 5582.0, 5690.0, 5271.0, 5401.0, 5636.0, 5614.0, 5673.0, 5683.0, 5657.0, 5436.0, 5413.0, 5537.0, 5650.0, 5261.0, 5643.0, 5694.0, 5494.0, 5361.0, 5538.0, 5448.0, 5619.0, 5386.0, 5338.0, 5607.0, 5291.0, 5541.0, 5292.0, 5600.0, 5609.0, 5708.0, 5529.0, 5478.0, 5427.0, 5616.0, 5715.0, 5301.0, 5721.0, 5628.0, 5295.0, 5644.0, 5280.0, 5343.0, 5546.0, 5424.0, 5602.0, 5426.0, 5497.0, 5279.0, 5452.0, 5707.0 (number of hits: 6)
11	5500	9	1	333	1	5632.0, 5329.0, 5365.0, 5442.0, 5684.0, 5668.0, 5606.0, 5393.0, 5620.0, 5579.0, 5545.0, 5659.0, 5418.0, 5345.0, 5587.0, 5412.0, 5697.0, 5612.0, 5425.0, 5271.0, 5466.0, 5296.0, 5431.0, 5513.0, 5310.0, 5402.0, 5457.0, 5255.0, 5330.0, 5576.0, 5312.0, 5643.0, 5315.0, 5617.0, 5411.0, 5591.0, 5394.0, 5561.0, 5430.0, 5472.0, 5543.0, 5338.0, 5396.0, 5326.0, 5527.0, 5459.0, 5327.0, 5514.0, 5475.0, 5512.0, 5528.0, 5672.0, 5454.0, 5653.0, 5316.0, 5557.0, 5693.0, 5293.0, 5451.0, 5722.0, 5336.0, 5444.0, 5471.0, 5692.0, 5698.0, 5721.0, 5572.0, 5399.0, 5608.0, 5309.0, 5624.0, 5253.0, 5287.0, 5379.0, 5656.0, 5563.0, 5573.0, 5288.0, 5646.0, 5489.0, 5278.0, 5536.0, 5362.0, 5601.0, 5681.0, 5343.0, 5420.0, 5585.0, 5347.0, 5529.0, 5383.0, 5429.0, 5505.0, 5520.0, 5484.0, 5352.0, 5640.0, 5465.0, 5370.0, 5358.0

						(number of hits: 1)
12	5500	9	1	333	1	5566.0, 5251.0, 5680.0, 5578.0, 5278.0, 5486.0, 5322.0, 5564.0, 5254.0, 5425.0, 5645.0, 5323.0, 5444.0, 5619.0, 5370.0, 5428.0, 5703.0, 5382.0, 5654.0, 5372.0, 5259.0, 5284.0, 5468.0, 5589.0, 5371.0, 5537.0, 5552.0, 5636.0, 5581.0, 5488.0, 5260.0, 5479.0, 5274.0, 5492.0, 5541.0, 5337.0, 5673.0, 5355.0, 5351.0, 5261.0, 5469.0, 5394.0, 5476.0, 5388.0, 5599.0, 5625.0, 5602.0, 5350.0, 5603.0, 5352.0, 5467.0, 5721.0, 5490.0, 5282.0, 5529.0, 5258.0, 5339.0, 5257.0, 5396.0, 5379.0, 5383.0, 5551.0, 5517.0, 5622.0, 5434.0, 5314.0, 5668.0, 5262.0, 5319.0, 5665.0, 5655.0, 5601.0, 5634.0, 5399.0, 5621.0, 5707.0, 5414.0, 5344.0, 5305.0, 5567.0, 5432.0, 5252.0, 5420.0, 5714.0, 5706.0, 5630.0, 5450.0, 5342.0, 5333.0, 5698.0, 5356.0, 5533.0, 5341.0, 5614.0, 5326.0, 5632.0, 5688.0, 5410.0, 5575.0, 5637.0 (number of hits: 2)
13	5500	9	1	333	1	5285.0, 5385.0, 5671.0, 5664.0, 5711.0, 5448.0, 5422.0, 5534.0, 5652.0, 5545.0, 5615.0, 5382.0, 5630.0, 5451.0, 5722.0, 5528.0, 5356.0, 5610.0, 5398.0, 5380.0, 5397.0, 5594.0, 5575.0, 5295.0, 5679.0, 5530.0, 5699.0, 5620.0, 5393.0, 5533.0, 5550.0, 5663.0, 5276.0, 5318.0, 5517.0, 5364.0, 5529.0, 5616.0, 5310.0, 5410.0, 5444.0, 5704.0, 5463.0, 5632.0, 5618.0, 5693.0, 5713.0, 5589.0, 5476.0, 5334.0, 5342.0, 5290.0, 5319.0, 5474.0, 5430.0, 5556.0, 5574.0, 5675.0, 5271.0, 5416.0, 5346.0, 5317.0, 5461.0, 5320.0, 5365.0, 5715.0, 5254.0, 5581.0, 5502.0, 5439.0, 5266.0, 5593.0, 5515.0, 5613.0, 5306.0, 5665.0, 5681.0, 5668.0, 5621.0, 5676.0, 5395.0, 5469.0, 5493.0, 5322.0, 5296.0, 5472.0, 5606.0, 5634.0, 5543.0, 5425.0, 5609.0, 5686.0, 5442.0, 5480.0, 5691.0, 5658.0, 5525.0, 5269.0, 5323.0, 5720.0 (number of hits: 2)
14	5500	9	1	333	1	5609.0, 5510.0, 5372.0, 5333.0, 5401.0, 5514.0, 5415.0, 5255.0, 5380.0, 5704.0, 5661.0, 5573.0, 5554.0, 5412.0, 5476.0, 5331.0, 5385.0, 5426.0, 5445.0, 5398.0, 5513.0, 5530.0, 5393.0, 5446.0, 5287.0, 5527.0, 5267.0, 5378.0, 5586.0, 5373.0, 5386.0, 5406.0, 5543.0, 5453.0, 5622.0, 5417.0, 5310.0, 5529.0, 5451.0, 5396.0, 5540.0, 5311.0, 5402.0, 5565.0, 5645.0, 5480.0, 5502.0, 5624.0, 5668.0, 5441.0, 5407.0, 5657.0, 5523.0, 5300.0, 5279.0, 5367.0, 5496.0, 5673.0, 5499.0, 5283.0, 5561.0, 5345.0, 5551.0, 5625.0, 5377.0, 5482.0, 5497.0, 5257.0, 5579.0, 5650.0, 5534.0, 5515.0, 5421.0, 5344.0, 5364.0, 5260.0, 5423.0, 5436.0, 5592.0, 5539.0,

						5290.0, 5408.0, 5495.0, 5580.0, 5558.0, 5662.0, 5266.0, 5601.0, 5277.0, 5560.0, 5644.0, 5379.0, 5374.0, 5541.0, 5686.0, 5547.0, 5437.0, 5647.0, 5616.0, 5596.0 (number of hits: 5)
15	5500	9	1	333	1	5680.0, 5717.0, 5528.0, 5312.0, 5504.0, 5602.0, 5359.0, 5603.0, 5682.0, 5721.0, 5357.0, 5521.0, 5381.0, 5663.0, 5592.0, 5361.0, 5479.0, 5476.0, 5664.0, 5331.0, 5415.0, 5438.0, 5313.0, 5466.0, 5703.0, 5305.0, 5672.0, 5265.0, 5718.0, 5301.0, 5351.0, 5564.0, 5454.0, 5724.0, 5276.0, 5553.0, 5648.0, 5420.0, 5252.0, 5512.0, 5445.0, 5594.0, 5455.0, 5691.0, 5428.0, 5551.0, 5403.0, 5281.0, 5576.0, 5368.0, 5548.0, 5693.0, 5710.0, 5566.0, 5468.0, 5433.0, 5613.0, 5308.0, 5376.0, 5632.0, 5573.0, 5283.0, 5266.0, 5584.0, 5625.0, 5278.0, 5706.0, 5300.0, 5430.0, 5416.0, 5463.0, 5524.0, 5501.0, 5713.0, 5671.0, 5677.0, 5404.0, 5514.0, 5448.0, 5440.0, 5619.0, 5387.0, 5646.0, 5286.0, 5571.0, 5290.0, 5493.0, 5588.0, 5422.0, 5326.0, 5631.0, 5366.0, 5529.0, 5447.0, 5623.0, 5383.0, 5662.0, 5634.0, 5424.0, 5394.0 (number of hits: 3)
16	5500	9	1	333	1	5272.0, 5328.0, 5625.0, 5383.0, 5535.0, 5346.0, 5694.0, 5284.0, 5567.0, 5359.0, 5570.0, 5712.0, 5592.0, 5637.0, 5437.0, 5714.0, 5499.0, 5490.0, 5454.0, 5699.0, 5614.0, 5283.0, 5450.0, 5484.0, 5540.0, 5522.0, 5641.0, 5622.0, 5464.0, 5719.0, 5504.0, 5670.0, 5299.0, 5601.0, 5428.0, 5458.0, 5457.0, 5487.0, 5291.0, 5379.0, 5621.0, 5663.0, 5687.0, 5707.0, 5648.0, 5391.0, 5486.0, 5552.0, 5378.0, 5590.0, 5550.0, 5330.0, 5655.0, 5616.0, 5697.0, 5609.0, 5382.0, 5431.0, 5478.0, 5635.0, 5650.0, 5657.0, 5696.0, 5444.0, 5620.0, 5268.0, 5348.0, 5410.0, 5600.0, 5489.0, 5495.0, 5690.0, 5640.0, 5698.0, 5331.0, 5599.0, 5440.0, 5633.0, 5441.0, 5388.0, 5258.0, 5676.0, 5256.0, 5333.0, 5282.0, 5278.0, 5419.0, 5288.0, 5302.0, 5363.0, 5555.0, 5708.0, 5401.0, 5686.0, 5259.0, 5722.0, 5539.0, 5644.0, 5507.0, 5545.0 (number of hits: 5)
17	5500	9	1	333	1	5697.0, 5531.0, 5582.0, 5655.0, 5597.0, 5365.0, 5538.0, 5283.0, 5377.0, 5623.0, 5696.0, 5515.0, 5666.0, 5454.0, 5544.0, 5302.0, 5614.0, 5261.0, 5385.0, 5288.0, 5714.0, 5388.0, 5395.0, 5700.0, 5384.0, 5722.0, 5506.0, 5570.0, 5561.0, 5556.0, 5427.0, 5586.0, 5660.0, 5392.0, 5291.0, 5498.0, 5346.0, 5364.0, 5679.0, 5479.0, 5418.0, 5397.0, 5251.0, 5640.0, 5534.0, 5649.0, 5452.0, 5358.0, 5342.0, 5430.0, 5409.0, 5314.0, 5573.0, 5317.0, 5565.0, 5610.0, 5448.0, 5718.0, 5652.0, 5462.0,

						5675.0, 5577.0, 5529.0, 5444.0, 5635.0, 5422.0, 5542.0, 5411.0, 5320.0, 5356.0, 5351.0, 5704.0, 5301.0, 5322.0, 5355.0, 5598.0, 5485.0, 5684.0, 5310.0, 5312.0, 5254.0, 5541.0, 5285.0, 5576.0, 5273.0, 5619.0, 5692.0, 5492.0, 5670.0, 5334.0, 5574.0, 5514.0, 5257.0, 5471.0, 5617.0, 5560.0, 5551.0, 5371.0, 5296.0, 5615.0 (number of hits: 3)
18	5500	9	1	333	1	5698.0, 5426.0, 5344.0, 5542.0, 5636.0, 5275.0, 5601.0, 5672.0, 5707.0, 5705.0, 5521.0, 5341.0, 5635.0, 5597.0, 5452.0, 5263.0, 5440.0, 5554.0, 5348.0, 5642.0, 5323.0, 5512.0, 5616.0, 5319.0, 5717.0, 5537.0, 5479.0, 5382.0, 5650.0, 5475.0, 5301.0, 5686.0, 5292.0, 5723.0, 5665.0, 5595.0, 5682.0, 5476.0, 5303.0, 5630.0, 5541.0, 5284.0, 5420.0, 5304.0, 5305.0, 5320.0, 5539.0, 5617.0, 5600.0, 5720.0, 5691.0, 5302.0, 5702.0, 5513.0, 5646.0, 5418.0, 5289.0, 5525.0, 5462.0, 5654.0, 5615.0, 5415.0, 5506.0, 5421.0, 5623.0, 5441.0, 5576.0, 5589.0, 5447.0, 5359.0, 5467.0, 5508.0, 5531.0, 5356.0, 5676.0, 5333.0, 5296.0, 5574.0, 5324.0, 5653.0, 5585.0, 5643.0, 5658.0, 5471.0, 5523.0, 5279.0, 5463.0, 5580.0, 5343.0, 5282.0, 5692.0, 5535.0, 5608.0, 5569.0, 5460.0, 5377.0, 5371.0, 5622.0, 5568.0, 5298.0 (number of hits: 2)
19	5500	9	1	333	1	5461.0, 5716.0, 5385.0, 5288.0, 5629.0, 5509.0, 5692.0, 5422.0, 5693.0, 5470.0, 5613.0, 5405.0, 5396.0, 5458.0, 5408.0, 5683.0, 5471.0, 5675.0, 5564.0, 5662.0, 5341.0, 5495.0, 5677.0, 5324.0, 5666.0, 5453.0, 5575.0, 5543.0, 5584.0, 5709.0, 5316.0, 5452.0, 5624.0, 5397.0, 5522.0, 5443.0, 5439.0, 5593.0, 5498.0, 5315.0, 5438.0, 5695.0, 5630.0, 5555.0, 5616.0, 5425.0, 5382.0, 5457.0, 5464.0, 5550.0, 5569.0, 5565.0, 5344.0, 5664.0, 5270.0, 5667.0, 5490.0, 5582.0, 5701.0, 5258.0, 5537.0, 5650.0, 5360.0, 5293.0, 5314.0, 5375.0, 5591.0, 5515.0, 5418.0, 5335.0, 5663.0, 5551.0, 5310.0, 5333.0, 5312.0, 5680.0, 5302.0, 5566.0, 5523.0, 5384.0, 5723.0, 5612.0, 5286.0, 5596.0, 5536.0, 5424.0, 5577.0, 5426.0, 5502.0, 5306.0, 5608.0, 5687.0, 5420.0, 5617.0, 5611.0, 5580.0, 5682.0, 5469.0, 5308.0, 5560.0 (number of hits: 5)
20	5500	9	1	333	1	5630.0, 5362.0, 5657.0, 5293.0, 5549.0, 5678.0, 5565.0, 5423.0, 5384.0, 5674.0, 5647.0, 5695.0, 5672.0, 5337.0, 5302.0, 5276.0, 5421.0, 5477.0, 5253.0, 5367.0, 5313.0, 5567.0, 5252.0, 5297.0, 5671.0, 5710.0, 5531.0, 5258.0, 5270.0, 5361.0, 5269.0, 5513.0, 5364.0, 5576.0, 5591.0, 5498.0, 5500.0, 5699.0, 5655.0, 5463.0,

						5330.0, 5720.0, 5579.0, 5644.0, 5721.0, 5490.0, 5296.0, 5494.0, 5709.0, 5661.0, 5281.0, 5719.0, 5329.0, 5404.0, 5315.0, 5290.0, 5548.0, 5559.0, 5321.0, 5612.0, 5589.0, 5664.0, 5600.0, 5478.0, 5597.0, 5633.0, 5713.0, 5540.0, 5618.0, 5327.0, 5487.0, 5617.0, 5299.0, 5366.0, 5629.0, 5429.0, 5564.0, 5514.0, 5397.0, 5377.0, 5264.0, 5322.0, 5383.0, 5467.0, 5707.0, 5341.0, 5485.0, 5455.0, 5581.0, 5588.0, 5566.0, 5497.0, 5595.0, 5673.0, 5298.0, 5470.0, 5593.0, 5285.0, 5676.0, 5639.0 (number of hits: 5)
21	5500	9	1	333	1	5459.0, 5285.0, 5555.0, 5362.0, 5582.0, 5566.0, 5626.0, 5373.0, 5508.0, 5270.0, 5643.0, 5356.0, 5433.0, 5668.0, 5514.0, 5497.0, 5583.0, 5391.0, 5592.0, 5473.0, 5526.0, 5266.0, 5640.0, 5358.0, 5629.0, 5598.0, 5429.0, 5667.0, 5708.0, 5417.0, 5364.0, 5311.0, 5478.0, 5436.0, 5617.0, 5475.0, 5694.0, 5723.0, 5339.0, 5549.0, 5360.0, 5494.0, 5606.0, 5467.0, 5252.0, 5503.0, 5269.0, 5672.0, 5631.0, 5717.0, 5558.0, 5353.0, 5562.0, 5637.0, 5462.0, 5511.0, 5355.0, 5679.0, 5262.0, 5437.0, 5420.0, 5390.0, 5627.0, 5622.0, 5397.0, 5409.0, 5551.0, 5348.0, 5654.0, 5457.0, 5506.0, 5638.0, 5630.0, 5539.0, 5398.0, 5251.0, 5530.0, 5498.0, 5628.0, 5297.0, 5261.0, 5608.0, 5603.0, 5428.0, 5416.0, 5393.0, 5624.0, 5395.0, 5260.0, 5486.0, 5509.0, 5538.0, 5256.0, 5387.0, 5320.0, 5322.0, 5258.0, 5587.0, 5718.0, 5365.0 (number of hits: 7)
22	5500	9	1	333	1	5547.0, 5663.0, 5297.0, 5408.0, 5304.0, 5419.0, 5549.0, 5279.0, 5635.0, 5464.0, 5267.0, 5577.0, 5620.0, 5306.0, 5507.0, 5636.0, 5394.0, 5324.0, 5337.0, 5424.0, 5395.0, 5402.0, 5351.0, 5473.0, 5538.0, 5640.0, 5694.0, 5595.0, 5701.0, 5585.0, 5575.0, 5420.0, 5622.0, 5340.0, 5446.0, 5598.0, 5584.0, 5371.0, 5387.0, 5503.0, 5605.0, 5718.0, 5493.0, 5601.0, 5702.0, 5309.0, 5469.0, 5262.0, 5571.0, 5532.0, 5342.0, 5437.0, 5649.0, 5720.0, 5383.0, 5616.0, 5517.0, 5619.0, 5587.0, 5250.0, 5642.0, 5292.0, 5431.0, 5721.0, 5534.0, 5470.0, 5530.0, 5465.0, 5715.0, 5497.0, 5654.0, 5377.0, 5633.0, 5345.0, 5646.0, 5271.0, 5576.0, 5318.0, 5326.0, 5300.0, 5603.0, 5561.0, 5545.0, 5363.0, 5312.0, 5634.0, 5332.0, 5320.0, 5662.0, 5617.0, 5388.0, 5699.0, 5256.0, 5429.0, 5362.0, 5355.0, 5472.0, 5581.0, 5678.0, 5713.0 (number of hits: 4)
23	5500	9	1	333	1	5455.0, 5379.0, 5500.0, 5297.0, 5378.0, 5347.0, 5495.0, 5437.0, 5716.0, 5670.0, 5719.0, 5593.0, 5633.0, 5502.0, 5574.0, 5395.0, 5327.0, 5660.0, 5525.0, 5274.0,

						5659.0, 5674.0, 5693.0, 5319.0, 5295.0, 5612.0, 5461.0, 5602.0, 5488.0, 5673.0, 5570.0, 5658.0, 5544.0, 5333.0, 5595.0, 5474.0, 5471.0, 5489.0, 5709.0, 5575.0, 5587.0, 5507.0, 5517.0, 5681.0, 5533.0, 5306.0, 5531.0, 5433.0, 5311.0, 5302.0, 5501.0, 5668.0, 5711.0, 5486.0, 5348.0, 5496.0, 5393.0, 5579.0, 5265.0, 5374.0, 5636.0, 5654.0, 5435.0, 5365.0, 5305.0, 5290.0, 5398.0, 5481.0, 5613.0, 5296.0, 5364.0, 5598.0, 5282.0, 5318.0, 5324.0, 5272.0, 5331.0, 5644.0, 5356.0, 5591.0, 5261.0, 5446.0, 5584.0, 5642.0, 5376.0, 5685.0, 5422.0, 5605.0, 5487.0, 5383.0, 5555.0, 5454.0, 5430.0, 5537.0, 5351.0, 5298.0, 5334.0, 5690.0, 5345.0, 5468.0 (number of hits: 6)
24	5500	9	1	333	1	5703.0, 5334.0, 5633.0, 5667.0, 5609.0, 5610.0, 5405.0, 5531.0, 5348.0, 5435.0, 5387.0, 5409.0, 5322.0, 5431.0, 5426.0, 5423.0, 5481.0, 5333.0, 5493.0, 5437.0, 5252.0, 5581.0, 5664.0, 5698.0, 5375.0, 5561.0, 5439.0, 5651.0, 5543.0, 5345.0, 5357.0, 5278.0, 5710.0, 5723.0, 5596.0, 5456.0, 5582.0, 5251.0, 5568.0, 5360.0, 5483.0, 5594.0, 5401.0, 5406.0, 5700.0, 5720.0, 5516.0, 5459.0, 5476.0, 5626.0, 5267.0, 5572.0, 5503.0, 5372.0, 5284.0, 5441.0, 5622.0, 5599.0, 5264.0, 5366.0, 5290.0, 5468.0, 5365.0, 5383.0, 5485.0, 5340.0, 5505.0, 5369.0, 5260.0, 5613.0, 5455.0, 5295.0, 5306.0, 5458.0, 5627.0, 5628.0, 5300.0, 5281.0, 5488.0, 5403.0, 5342.0, 5302.0, 5451.0, 5510.0, 5324.0, 5492.0, 5577.0, 5349.0, 5515.0, 5382.0, 5283.0, 5378.0, 5518.0, 5454.0, 5556.0, 5606.0, 5517.0, 5681.0, 5268.0, 5346.0 (number of hits: 4)
25	5500	9	1	333	1	5441.0, 5708.0, 5558.0, 5614.0, 5688.0, 5364.0, 5648.0, 5523.0, 5651.0, 5706.0, 5563.0, 5611.0, 5408.0, 5524.0, 5623.0, 5617.0, 5666.0, 5482.0, 5326.0, 5723.0, 5570.0, 5607.0, 5337.0, 5259.0, 5690.0, 5557.0, 5299.0, 5556.0, 5515.0, 5636.0, 5263.0, 5652.0, 5362.0, 5369.0, 5384.0, 5597.0, 5565.0, 5472.0, 5638.0, 5505.0, 5553.0, 5331.0, 5694.0, 5374.0, 5647.0, 5509.0, 5268.0, 5358.0, 5335.0, 5650.0, 5716.0, 5406.0, 5363.0, 5542.0, 5305.0, 5530.0, 5629.0, 5332.0, 5684.0, 5302.0, 5516.0, 5395.0, 5586.0, 5579.0, 5527.0, 5522.0, 5329.0, 5483.0, 5393.0, 5693.0, 5422.0, 5595.0, 5446.0, 5357.0, 5280.0, 5443.0, 5560.0, 5598.0, 5536.0, 5252.0, 5294.0, 5685.0, 5494.0, 5683.0, 5261.0, 5277.0, 5678.0, 5308.0, 5429.0, 5547.0, 5309.0, 5457.0, 5385.0, 5412.0, 5622.0, 5578.0, 5461.0, 5303.0, 5333.0, 5495.0 (number of hits: 4)

26	5500	9	1	333	1	5398.0, 5598.0, 5370.0, 5486.0, 5579.0, 5685.0, 5652.0, 5339.0, 5421.0, 5569.0, 5583.0, 5483.0, 5659.0, 5657.0, 5424.0, 5327.0, 5414.0, 5490.0, 5254.0, 5351.0, 5516.0, 5340.0, 5367.0, 5542.0, 5707.0, 5394.0, 5674.0, 5334.0, 5477.0, 5596.0, 5303.0, 5489.0, 5324.0, 5603.0, 5639.0, 5307.0, 5353.0, 5561.0, 5260.0, 5479.0, 5616.0, 5594.0, 5681.0, 5478.0, 5449.0, 5517.0, 5285.0, 5361.0, 5258.0, 5692.0, 5706.0, 5253.0, 5413.0, 5663.0, 5262.0, 5448.0, 5455.0, 5408.0, 5535.0, 5403.0, 5600.0, 5381.0, 5614.0, 5673.0, 5619.0, 5397.0, 5474.0, 5417.0, 5690.0, 5317.0, 5699.0, 5584.0, 5701.0, 5705.0, 5289.0, 5492.0, 5341.0, 5369.0, 5404.0, 5655.0, 5315.0, 5669.0, 5491.0, 5577.0, 5274.0, 5382.0, 5527.0, 5352.0, 5574.0, 5593.0, 5316.0, 5570.0, 5563.0, 5252.0, 5379.0, 5426.0, 5332.0, 5266.0, 5710.0, 5672.0 (number of hits: 3)
27	5500	9	1	333	1	5594.0, 5666.0, 5473.0, 5581.0, 5267.0, 5280.0, 5593.0, 5665.0, 5652.0, 5530.0, 5294.0, 5328.0, 5519.0, 5641.0, 5476.0, 5574.0, 5301.0, 5522.0, 5467.0, 5381.0, 5585.0, 5428.0, 5716.0, 5482.0, 5497.0, 5546.0, 5293.0, 5695.0, 5616.0, 5712.0, 5576.0, 5633.0, 5683.0, 5675.0, 5649.0, 5447.0, 5298.0, 5714.0, 5621.0, 5667.0, 5457.0, 5371.0, 5435.0, 5618.0, 5257.0, 5684.0, 5318.0, 5577.0, 5571.0, 5413.0, 5251.0, 5441.0, 5408.0, 5360.0, 5570.0, 5647.0, 5651.0, 5558.0, 5525.0, 5347.0, 5446.0, 5486.0, 5624.0, 5259.0, 5395.0, 5379.0, 5265.0, 5589.0, 5440.0, 5542.0, 5437.0, 5609.0, 5650.0, 5693.0, 5605.0, 5314.0, 5590.0, 5481.0, 5495.0, 5411.0, 5549.0, 5311.0, 5480.0, 5429.0, 5583.0, 5564.0, 5597.0, 5601.0, 5689.0, 5255.0, 5397.0, 5401.0, 5302.0, 5363.0, 5496.0, 5436.0, 5415.0, 5404.0, 5369.0, 5673.0 (number of hits: 3)
28	5500	9	1	333	1	5409.0, 5469.0, 5599.0, 5620.0, 5466.0, 5512.0, 5345.0, 5372.0, 5718.0, 5708.0, 5538.0, 5253.0, 5580.0, 5317.0, 5489.0, 5353.0, 5689.0, 5256.0, 5418.0, 5666.0, 5589.0, 5419.0, 5391.0, 5310.0, 5687.0, 5461.0, 5346.0, 5453.0, 5462.0, 5636.0, 5251.0, 5709.0, 5385.0, 5464.0, 5683.0, 5623.0, 5428.0, 5367.0, 5639.0, 5557.0, 5716.0, 5417.0, 5615.0, 5432.0, 5300.0, 5359.0, 5272.0, 5468.0, 5401.0, 5266.0, 5631.0, 5650.0, 5287.0, 5717.0, 5402.0, 5528.0, 5467.0, 5322.0, 5540.0, 5258.0, 5506.0, 5474.0, 5499.0, 5535.0, 5405.0, 5325.0, 5366.0, 5450.0, 5563.0, 5530.0, 5521.0, 5297.0, 5268.0, 5688.0, 5656.0, 5576.0, 5390.0, 5323.0, 5261.0, 5330.0, 5638.0, 5491.0, 5541.0, 5721.0, 5642.0,

						5447.0, 5532.0, 5588.0, 5371.0, 5597.0, 5288.0, 5555.0, 5500.0, 5473.0, 5276.0, 5416.0, 5388.0, 5507.0, 5480.0, 5570.0 (number of hits: 5)
29	5500	9	1	333	1	5368.0, 5269.0, 5614.0, 5384.0, 5639.0, 5547.0, 5328.0, 5615.0, 5507.0, 5692.0, 5515.0, 5608.0, 5624.0, 5572.0, 5282.0, 5434.0, 5499.0, 5680.0, 5283.0, 5549.0, 5397.0, 5319.0, 5566.0, 5293.0, 5373.0, 5306.0, 5370.0, 5335.0, 5522.0, 5571.0, 5405.0, 5677.0, 5618.0, 5565.0, 5366.0, 5412.0, 5389.0, 5301.0, 5597.0, 5337.0, 5467.0, 5619.0, 5683.0, 5533.0, 5416.0, 5494.0, 5410.0, 5338.0, 5365.0, 5593.0, 5695.0, 5262.0, 5548.0, 5273.0, 5451.0, 5421.0, 5460.0, 5709.0, 5598.0, 5703.0, 5304.0, 5560.0, 5500.0, 5439.0, 5303.0, 5341.0, 5540.0, 5664.0, 5550.0, 5430.0, 5595.0, 5478.0, 5704.0, 5545.0, 5662.0, 5685.0, 5376.0, 5633.0, 5568.0, 5701.0, 5665.0, 5637.0, 5418.0, 5323.0, 5716.0, 5576.0, 5558.0, 5476.0, 5554.0, 5587.0, 5530.0, 5276.0, 5702.0, 5469.0, 5429.0, 5356.0, 5669.0, 5348.0, 5369.0, 5562.0 (number of hits: 4)
30	5500	9	1	333	1	5317.0, 5361.0, 5577.0, 5434.0, 5355.0, 5459.0, 5495.0, 5700.0, 5488.0, 5690.0, 5526.0, 5364.0, 5373.0, 5543.0, 5694.0, 5332.0, 5256.0, 5522.0, 5593.0, 5417.0, 5259.0, 5376.0, 5681.0, 5548.0, 5341.0, 5320.0, 5295.0, 5614.0, 5442.0, 5279.0, 5551.0, 5574.0, 5520.0, 5527.0, 5329.0, 5338.0, 5258.0, 5644.0, 5670.0, 5648.0, 5610.0, 5679.0, 5489.0, 5497.0, 5567.0, 5578.0, 5517.0, 5491.0, 5476.0, 5724.0, 5261.0, 5647.0, 5508.0, 5714.0, 5445.0, 5464.0, 5294.0, 5343.0, 5640.0, 5559.0, 5637.0, 5302.0, 5453.0, 5287.0, 5265.0, 5597.0, 5631.0, 5501.0, 5633.0, 5695.0, 5502.0, 5685.0, 5449.0, 5307.0, 5698.0, 5254.0, 5555.0, 5518.0, 5683.0, 5571.0, 5396.0, 5383.0, 5512.0, 5272.0, 5310.0, 5288.0, 5676.0, 5301.0, 5292.0, 5374.0, 5641.0, 5440.0, 5560.0, 5715.0, 5335.0, 5505.0, 5493.0, 5391.0, 5627.0, 5611.0 (number of hits: 8)

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	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:

5510 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	58	1	918	1
2	5510	86	1	618	1
3	5510	18	1	3066	1
4	5510	78	1	678	1
5	5510	59	1	898	1
6	5510	63	1	838	1
7	5510	89	1	598	1
8	5510	99	1	538	1
9	5510	70	1	758	1
10	5510	81	1	658	1
11	5510	65	1	818	1
12	5510	95	1	558	1
13	5510	61	1	878	1
14	5510	92	1	578	1
15	5510	68	1	778	1
16	5510	28	1	1953	1
17	5510	21	1	2557	1
18	5510	48	1	1122	1
19	5510	90	1	592	1
20	5510	22	1	2513	1
21	5510	20	1	2682	1
22	5510	33	1	1649	1
23	5510	36	1	1486	1
24	5510	32	1	1682	1
25	5510	69	1	771	1
26	5510	35	1	1532	1
27	5510	29	1	1831	1
28	5510	41	1	1316	1
29	5510	46	1	1170	1
30	5510	22	1	2473	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	5510	29	4.4	209	1
2	5510	29	2.9	177	1
3	5510	26	1.6	192	1
4	5510	24	2.7	179	1
5	5510	28	1.2	188	1
6	5510	25	3.6	213	1
7	5510	29	2.6	216	1
8	5510	26	2.6	163	1
9	5510	24	4.4	229	1
10	5510	28	2.4	224	1
11	5510	28	3	168	1
12	5510	24	1.4	193	1
13	5510	27	2.3	187	1
14	5510	23	1.1	162	1
15	5510	25	2.9	212	1
16	5510	26	4.6	177	1
17	5510	26	4.4	197	1
18	5510	27	4.5	159	1
19	5510	29	2.2	228	1
20	5510	29	4.9	170	1
21	5510	25	1.4	203	1
22	5510	25	1	201	1
23	5510	25	1.7	199	1
24	5510	29	4.3	209	1
25	5510	26	3.8	199	1
26	5510	24	4.9	187	1
27	5510	25	1.9	177	1
28	5510	27	3.2	187	1
29	5510	26	1.9	215	1
30	5510	28	2.3	216	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	5510	17	6.4	439	1
2	5510	18	9.3	422	1
3	5510	17	7	488	1
4	5510	17	8.2	272	1
5	5510	16	9.7	301	1
6	5510	17	9.2	216	1
7	5510	16	8	445	1
8	5510	17	9	452	1
9	5510	17	8.3	476	1
10	5510	18	9.7	369	1
11	5510	16	8.9	231	1
12	5510	17	9	458	1
13	5510	18	7.1	303	1
14	5510	16	9.4	419	1
15	5510	16	6.4	422	1
16	5510	17	9.2	408	1
17	5510	17	7.6	456	1
18	5510	17	9.4	250	1
19	5510	18	8.8	325	1
20	5510	16	7.3	398	1
21	5510	17	8.3	241	1
22	5510	16	8.1	425	1
23	5510	16	7.6	444	1
24	5510	17	6.8	244	1
25	5510	18	7.1	395	1
26	5510	17	9.1	454	1
27	5510	18	8	369	1
28	5510	16	6.5	369	1
29	5510	18	8.7	203	1
30	5510	16	6.4	471	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	5510	16	18.8	409	1
2	5510	13	17.6	483	1
3	5510	12	12.5	360	1
4	5510	15	11.8	324	1
5	5510	13	17.4	381	1
6	5510	16	11.2	428	1
7	5510	16	17	309	1
8	5510	13	15.3	200	1
9	5510	15	12.6	212	1
10	5510	12	12.6	284	1
11	5510	13	16	226	1
12	5510	14	11.4	373	1
13	5510	13	17.6	433	1
14	5510	15	17.5	477	1
15	5510	12	13.3	268	1
16	5510	14	15.2	213	1
17	5510	16	17.2	425	1
18	5510	12	18.5	213	1
19	5510	14	16.7	360	1
20	5510	16	17.4	385	1
21	5510	16	19.2	375	1
22	5510	16	19.1	318	1
23	5510	13	11.8	201	1
24	5510	16	17	412	1
25	5510	12	12.8	271	1
26	5510	14	15.1	204	1
27	5510	13	18	460	1
28	5510	16	16.1	299	1
29	5510	14	14.2	472	1
30	5510	12	19.7	483	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5495.1	1
12	5494.7	1
13	5496.7	1
14	5497.5	1
15	5495.9	1
16	5498.7	1
17	5493.9	1
18	5498.3	1
19	5494.7	1
20	5493.9	1
21	5522.0	1
22	5525.6	1
23	5524.8	1
24	5525.2	1
25	5523.2	1
26	5526.8	1
27	5528.0	1
28	5524.4	1
29	5522.4	1
30	5525.6	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	70.3	1548		0.413958	1
1	1	12	82.2			1.257525	
2	3	12	61.8	1106	1294	3.164154	
3	1	12	76			3.617361	
4	2	12	79.8	1796		4.922023	
5	3	12	94.8	1015	1072	6.84835	
6	2	12	64.7	1043		8.070987	
7	2	12	64.6	1774		9.57347	
8	2	12	92	1501		9.779033	
9	2	12	73.3	1499		11.334013	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	63.9	1142		0.701249	1
1	1	12	84.6			2.288335	
2	2	12	55.1	1453		3.046361	
3	1	12	68.7			4.530008	
4	3	12	89.3	1052	1355	5.907636	
5	2	12	55.7	1631		7.872427	
6	2	12	73.3	1040		8.127836	
7	1	12	78.9			10.547403	
8	1	12	85.9			11.851324	

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	13	64.1	1237		0.052618	1
1	2	13	96.1	1152		1.786624	
2	1	13	99.1			2.151923	
3	2	13	82.1	1047		3.322845	
4	1	13	66.5			4.428075	
5	2	13	57.7	1092		4.769782	
6	3	13	90.8	1323	1829	6.286501	
7	1	13	52.2			6.491118	
8	3	13	63.5	1789	1648	8.11402	
9	3	13	64.2	1222	1450	8.899588	
10	2	13	87.4	1588		9.438918	
11	2	13	75.4	1857		10.896619	
12	2	13	65.4	1474		11.461248	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	99.7	1835		0.424843	1
1	1	9	78			1.825584	
2	2	9	57.4	1178		3.108338	
3	2	9	72.4	1299		4.596405	
4	2	9	89	1794		5.950007	
5	3	9	70.6	1635	1927	6.495069	
6	3	9	82.9	1250	1796	8.097371	
7	3	9	74.2	1408	1133	9.152589	
8	2	9	63.6	1703		10.302884	
9	1	9	57.2			10.862995	

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	13	89.2	1559		0.45011	1
1	2	13	66.8	1613		1.000582	
2	2	13	78.8	1836		1.376049	
3	2	13	56.1	1580		2.260039	
4	2	13	84.2	1863		2.635353	
5	2	13	51	1031		3.358467	
6	3	13	52.1	1054	1146	3.840845	
7	1	13	85.4			4.57914	
8	3	13	51.7	1323	1133	5.288756	
9	2	13	59.5	1873		5.762307	
10	2	13	58.7	1473		6.211905	
11	2	13	84.6	1270		6.84726	
12	3	13	92	1729	1753	7.596117	
13	2	13	65.8	1029		7.968342	
14	2	13	63	1889		8.798643	
15	2	13	95.3	1662		9.122535	
16	2	13	61.4	1159		9.809222	
17	2	13	97.9	1398		10.379891	
18	2	13	97.9	1942		11.324872	
19	3	13	75.2	1445	1048	11.80691	

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	10	95	1959	1962	0.183043	1
1	2	10	61.5	1628		1.682777	
2	2	10	70.3	1150		2.527676	
3	1	10	72.2			4.63862	
4	2	10	65	1459		5.878638	
5	2	10	71	1726		6.071817	
6	3	10	80.5	1496	1130	7.519828	
7	1	10	79.4			8.463607	
8	1	10	66.7			10.684373	
9	2	10	59.9	1159		10.976513	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	67.7	1271	1341	0.080701	
1	2	11	84.8	1253		0.607834	
2	2	11	50.9	1578		1.612471	
3	1	11	79			2.232445	
4	1	11	97.1			2.877341	
5	3	11	86.4	1540	1651	3.513465	
6	1	11	68			3.910975	
7	3	11	78.6	1085	1835	4.226223	
8	1	11	72			4.810025	
9	3	11	80.5	1601	1283	5.627707	
10	3	11	77.3	1916	1894	6.439519	1
11	1	11	89.8			7.006546	
12	1	11	55.1			7.746096	
13	1	11	72.1			8.269176	
14	3	11	81.9	1631	1702	8.78352	
15	1	11	80.2			9.225235	
16	2	11	91.3	1390		9.64975	
17	2	11	63.8	1275		10.258402	
18	2	11	99.9	1754		11.3556	
19	2	11	50.9	1761		11.993246	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	92.5	1963		0.104948	1
1	2	8	82.8	1438		1.048977	
2	2	8	60.5	1513		1.593833	
3	1	8	71.8			2.523861	
4	2	8	64.3	1067		3.182644	
5	2	8	90.5	1555		3.563689	
6	2	8	53.3	1624		4.460987	
7	2	8	75.3	1518		5.213563	
8	1	8	88.9			5.58245	
9	3	8	69.6	1295	1331	6.094424	
10	2	8	90.8	1721		6.832082	
11	1	8	88.3			7.971879	
12	3	8	55.5	1980	1408	8.152892	
13	2	8	50.9	1791		9.277294	
14	1	8	75.9			9.798681	
15	3	8	60.3	1703	1002	10.395023	
16	3	8	95.3	1322	1896	10.796218	
17	3	8	52.1	1556	1213	11.969578	

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	10	62	1426	1826	0.340102	1
1	1	10	89.3			1.431567	
2	2	10	80.2	1265		2.375096	
3	3	10	87.1	1412	1632	2.477796	
4	2	10	73.6	1798		3.57894	
5	2	10	79.1	1921		4.693821	
6	2	10	98.4	1715		5.113128	
7	1	10	51.9			6.048626	
8	3	10	79.4	1498	1978	7.052041	
9	3	10	95.4	1920	1128	7.959377	
10	3	10	68.3	1040	1277	8.250061	
11	2	10	65	1454		8.941281	
12	2	10	77.9	1692		9.957331	
13	1	10	55.9			11.001942	
14	1	10	92			11.863631	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	59.1			0.382175	1
1	2	13	87.9	1693		1.583342	
2	2	13	57.7	1844		2.306123	
3	3	13	71.4	1243	1941	2.99262	
4	2	13	77.1	1467		3.479007	
5	2	13	99.8	1043		4.597014	
6	1	13	75.8			5.282121	
7	2	13	64.2	1776		6.512273	
8	1	13	81.7			7.034503	
9	3	13	86.6	1775	1956	8.398345	
10	2	13	56.3	1901		8.575744	
11	1	13	57.6			10.076139	
12	2	13	58.6	1064		10.435039	
13	2	13	70.6	1835		11.197238	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	67.8	1488	1070	0.291356	1
1	3	9	64.3	1697	1624	1.016301	
2	2	9	75	1641		1.717	
3	1	9	86.3			2.101677	
4	1	9	62.6			2.471145	
5	2	9	91.5	1167		3.557591	
6	3	9	56.4	1564	1528	4.022065	
7	2	9	97.8	1133		4.772404	
8	3	9	59.7	1002	1418	4.932519	
9	2	9	86.7	1568		5.519552	
10	1	9	93.5			6.413408	
11	2	9	70.4	1220		7.004285	
12	1	9	72.1			7.341917	
13	3	9	93	1370	1741	7.966754	
14	3	9	51.9	1063	1800	8.885011	
15	1	9	58.6			9.037281	
16	1	9	55.4			9.982785	
17	1	9	83.6			10.793986	
18	3	9	83.1	1501	1060	11.01721	
19	1	9	63.4			11.92038	

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	85.7	1196	1939	0.48168	1
1	1	8	64.7			1.326129	
2	3	8	98.7	1278	1839	1.570922	
3	2	8	50.2	1300		2.581182	
4	2	8	60	1733		2.680155	
5	2	8	58.7	1306		3.40117	
6	2	8	50.3	1006		4.022546	
7	2	8	60.8	1540		5.166438	
8	3	8	90.7	1215	1475	5.430758	
9	2	8	95.2	1123		6.172472	
10	2	8	91.8	1169		7.237865	
11	2	8	87.9	1361		7.96404	
12	3	8	76.3	1226	1009	8.235424	
13	3	8	55.5	1576	1254	8.769145	
14	2	8	85.7	1949		9.484427	
15	2	8	63.9	1320		10.254916	
16	2	8	56.6	1113		10.932573	
17	3	8	56.6	1690	1543	11.85142	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	59.7	1607		0.654698	1
1	1	13	95.7			1.345949	
2	2	13	72.8	1727		2.660876	
3	3	13	88.2	1669	1790	2.914461	
4	3	13	99.5	1231	1606	3.956268	
5	2	13	61.9	1180		4.629634	
6	2	13	59.3	1535		6.006013	
7	2	13	98.7	1141		7.285282	
8	3	13	79.5	1792	1913	8.267104	
9	2	13	83.4	1431		8.619213	
10	2	13	63.8	1875		10.1185	
11	1	13	63.4			10.736301	
12	3	13	77.8	1447	1699	11.252668	

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	15	55.8	1709	1052	0.294627	1
1	1	15	94.5			1.509306	
2	2	15	60.7	1586		2.635622	
3	2	15	93.1	1733		3.030173	
4	2	15	57.6	1115		4.048866	
5	2	15	52.8	1588		4.772349	
6	1	15	71.2			6.038744	
7	2	15	89.1	1222		6.985768	
8	3	15	69.9	1492	1794	8.258764	
9	3	15	78.3	1359	1834	8.882968	
10	1	15	60.2			9.61246	
11	2	15	52.8	1156		10.261106	
12	2	15	86.4	1411		11.275767	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	52.2	1994		1.003589	1
1	2	11	56	1460		1.723829	
2	1	11	58.5			2.871264	
3	2	11	87.2	1600		4.542994	
4	3	11	68.3	1348	1607	4.807301	
5	3	11	98.2	1393	1981	7.088072	
6	1	11	96.5			7.552938	
7	1	11	97.4			9.439944	
8	3	11	87.5	1241	1506	10.76185	
9	1	11	51.6			11.256332	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	81	1677		0.672926	1
1	3	18	84.6	1571	1098	0.97001	
2	1	18	82.9			1.873156	
3	2	18	52.1	1903		3.130168	
4	2	18	94.2	1224		3.704078	
5	3	18	64.3	1814	1625	4.515524	
6	1	18	76.4			5.518137	
7	1	18	89.5			6.64128	
8	2	18	77.1	1111		7.11839	
9	3	18	92.5	1017	1106	8.415019	
10	2	18	53.4	1109		8.882442	
11	2	18	80.8	1833		10.001397	
12	2	18	85.1	1491		10.337486	
13	2	18	74.7	1741		11.16144	

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	6	68.6			0.183877	1
1	2	6	97.3	1209		1.286304	
2	1	6	99.4			3.573932	
3	3	6	51.6	1294	1454	4.615625	
4	3	6	87.5	1755	1191	5.08007	
5	2	6	74.9	1417		7.069326	
6	1	6	75.8			7.747328	
7	2	6	89.3	1517		8.967479	
8	2	6	64.4	1228		10.23184	
9	2	6	90.1	1572		11.446561	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	90.8			0.440482	
1	3	17	67.1	1108	1546	0.908083	
2	3	17	64.8	1435	1557	1.607391	
3	2	17	69.8	1975		2.055038	
4	2	17	90.2	1414		2.90051	
5	1	17	52.2			3.372489	
6	3	17	78.9	1751	1096	3.993266	
7	1	17	62.6			4.768899	
8	2	17	65.3	1830		5.301643	
9	2	17	79.8	1262		6.153246	1
10	2	17	92.4	1056		6.540587	
11	2	17	96.4	1323		7.136477	
12	2	17	55.7	1351		7.759959	
13	2	17	66.5	1409		8.235848	
14	2	17	88.4	1352		9.069253	
15	2	17	70.5	1444		9.534794	
16	3	17	60.8	1126	1579	10.407986	
17	1	17	81.5			10.75527	
18	2	17	71	1183		11.686709	

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	72.6			0.586833	
1	2	8	68.4	1827		1.510842	
2	3	8	64.6	1497	1266	2.045135	
3	2	8	51.2	1866		2.917106	
4	1	8	77.4			3.493239	
5	1	8	50.5			4.21321	
6	2	8	94.4	1531		5.275812	
7	1	8	51.9			6.187532	1
8	2	8	94.8	1350		6.458658	
9	2	8	77.4	1908		7.467802	
10	1	8	58.7			8.700493	
11	3	8	77.7	1221	1956	8.921281	
12	1	8	61.9			9.790172	
13	2	8	57.2	1151		10.699171	
14	3	8	80.9	1192	1451	11.671009	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	55.6	1471		0.885705	1
1	2	6	87.5	1041		1.557037	
2	2	6	90.9	1699		2.420325	
3	3	6	63.1	1810	1888	4.291713	
4	2	6	96.7	1274		5.296602	
5	2	6	60.4	1223		6.009976	
6	2	6	78.6	1710		7.652447	
7	2	6	97.5	1448		8.492678	
8	3	6	85	1581	1769	10.652164	
9	2	6	65.4	1372		11.991043	

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	20	97.9	1512		0.217325	1
1	2	20	52.9	1034		1.683002	
2	2	20	62.8	1765		3.326337	
3	1	20	94.2			4.83662	
4	2	20	79.6	1666		5.632875	
5	1	20	97.1			7.111425	
6	3	20	56.9	1784	1613	8.004467	
7	1	20	78			9.859179	
8	3	20	98	1615	1501	11.097851	

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	11	74.3	1611	1904	0.472031	
1	2	11	86.7	1961		1.459705	
2	2	11	79.2	1826		2.070129	
3	1	11	57.3			2.460623	
4	2	11	64	1827		3.334909	
5	2	11	90.3	1518		4.254572	
6	3	11	99	1977	1412	4.775101	
7	2	11	63.6	1743		5.430216	
8	2	11	70.7	1369		6.225843	1
9	2	11	63.5	1304		6.914763	
10	2	11	54.5	1414		8.071405	
11	2	11	65.4	1746		8.576148	
12	3	11	97	1605	1288	9.476782	
13	2	11	53.8	1149		9.887616	
14	2	11	60.7	1275		10.584542	
15	3	11	50.4	1829	1673	11.9399	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	55.3	1108	1553	0.006944	
1	1	13	75.8			1.223024	
2	3	13	59.1	1800	1996	2.3555	
3	1	13	62			2.468085	
4	2	13	52.2	1249		3.964065	
5	2	13	76.2	1253		4.266802	
6	1	13	85.4			5.019599	
7	2	13	74.7	1924		5.778829	1
8	2	13	52.9	1366		6.614736	
9	1	13	51.6			7.91896	
10	2	13	79.9	1185		8.47527	
11	2	13	62.7	1394		8.938401	
12	3	13	76.2	1180	1647	10.10404	
13	1	13	54			11.070821	
14	2	13	53	1710		11.841609	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	83.3	1121		0.654354	1
1	2	12	83.2	1320		2.419357	
2	2	12	84.8	1433		4.446389	
3	1	12	96.7			5.877315	
4	2	12	84.1	1840		6.875807	
5	2	12	80.9	1057		8.012695	
6	3	12	88.2	1524	1440	10.063862	
7	3	12	99	1920	1472	10.891561	

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	85.5	1460	1760	0.377666	1
1	3	17	89.7	1923	1146	1.509823	
2	1	17	96.8			2.205992	
3	2	17	52.4	1287		2.847731	
4	1	17	79			3.588505	
5	2	17	54.1	1708		4.106859	
6	1	17	68.5			4.901375	
7	1	17	71.9			6.206165	
8	2	17	99.4	1271		7.076364	
9	3	17	56.3	1863	1649	7.754257	
10	2	17	80.8	1662		8.634878	
11	2	17	85.6	1620		9.471414	
12	2	17	87.3	1492		10.214968	
13	3	17	57.4	1151	1171	10.520876	
14	3	17	60.4	1321	1932	11.624949	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	72.1	1687	1836	0.266663	
1	2	8	71.9	1070		0.953887	
2	3	8	79.9	1608	1361	1.678784	
3	2	8	53.3	1592		2.265384	
4	3	8	70.9	1726	1734	3.124793	
5	2	8	81.1	1874		3.777872	
6	2	8	54.8	1260		4.588491	
7	2	8	53.3	1567		5.128684	
8	3	8	73.5	1412	1827	5.746695	1
9	3	8	92.6	1586	1254	7.001825	
10	3	8	61.2	1283	1904	7.244372	
11	3	8	94.7	1971	1738	8.023831	
12	1	8	59.4			8.793661	
13	2	8	73.2	1824		9.228638	
14	2	8	62.3	1670		10.231234	
15	1	8	96.2			10.656137	
16	1	8	78.5			11.96573	

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	5	50.3			0.60144	1
1	1	5	65.9			1.260209	
2	1	5	79.6			1.849688	
3	2	5	77.5	1860		2.287282	
4	2	5	82.6	1068		2.950586	
5	2	5	64.2	1042		3.390609	
6	2	5	66.8	1737		4.563188	
7	2	5	93	1818		5.148059	
8	2	5	62	1395		5.35838	
9	1	5	70			6.41658	
10	2	5	80.5	1368		7.07694	
11	2	5	93.9	1641		7.821964	
12	2	5	51.5	1202		8.185182	
13	2	5	93.6	1201		9.202215	
14	2	5	70.5	1936		9.866589	
15	2	5	93.5	1435		10.51162	
16	3	5	62.7	1508	1132	10.817255	
17	1	5	84.3			11.53361	

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	14	52.1			0.695465	1
1	2	14	99	1888		1.022638	
2	2	14	99.7	1819		1.928351	
3	1	14	59			2.694868	
4	1	14	57.2			3.856611	
5	2	14	66.6	1948		4.059641	
6	1	14	56			4.900959	
7	2	14	95.6	1016		6.066443	
8	3	14	55.8	1925	1504	6.405725	
9	1	14	89.7			7.897718	
10	1	14	74			8.433613	
11	2	14	86.3	1156		9.088242	
12	1	14	90.3			10.364873	
13	2	14	92.1	1532		10.521771	
14	2	14	58.4	1989		11.593866	

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	19	54.1	1880		0.322035	1
1	1	19	88.4			1.902506	
2	1	19	65.2			2.328745	
3	1	19	95.1			3.553663	
4	1	19	66.4			4.228359	
5	3	19	91.1	1928	1775	5.464842	
6	2	19	61.4	1154		6.703028	
7	1	19	66.3			7.063429	
8	2	19	78.4	1938		8.097734	
9	3	19	78	1700	1005	9.902948	
10	3	19	88.9	1585	1328	10.255657	
11	1	19	66.2			11.310892	

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	11	57.7			0.049601	1
1	2	11	98.6	1015		1.685518	
2	3	11	96.1	1956	1982	2.647107	
3	1	11	87.6			2.824157	
4	2	11	63.6	1629		4.471634	
5	1	11	65.2			5.076415	
6	3	11	82.2	1089	1315	5.879351	
7	2	11	60.8	1004		7.36063	
8	2	11	59.5	1600		8.108726	
9	3	11	80.3	1604	1346	9.099064	
10	3	11	93.3	1008	1294	9.905255	
11	2	11	68.4	1917		10.889068	
12	2	11	80.8	1349		11.151411	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510	9	1	333	1	5558.0, 5555.0, 5287.0, 5547.0, 5305.0, 5650.0, 5522.0, 5455.0, 5394.0, 5500.0, 5692.0, 5296.0, 5412.0, 5408.0, 5590.0, 5551.0, 5283.0, 5387.0, 5584.0, 5325.0, 5428.0, 5434.0, 5476.0, 5498.0, 5688.0, 5421.0, 5380.0, 5557.0, 5459.0, 5510.0, 5275.0, 5713.0, 5314.0, 5628.0, 5315.0, 5354.0, 5601.0, 5528.0, 5486.0, 5576.0, 5617.0, 5689.0, 5502.0, 5297.0, 5620.0, 5552.0, 5400.0, 5572.0, 5664.0, 5426.0, 5422.0, 5389.0, 5454.0, 5705.0, 5691.0, 5639.0, 5680.0, 5415.0, 5722.0, 5456.0, 5310.0, 5540.0, 5701.0, 5438.0, 5437.0, 5641.0, 5404.0, 5661.0, 5370.0, 5616.0, 5667.0, 5683.0, 5657.0, 5668.0, 5255.0, 5658.0, 5720.0, 5448.0, 5410.0, 5530.0, 5532.0, 5268.0, 5562.0, 5479.0, 5480.0, 5386.0, 5369.0, 5652.0, 5622.0, 5512.0, 5365.0, 5414.0, 5717.0, 5362.0, 5416.0, 5563.0, 5660.0, 5347.0, 5376.0, 5675.0 (number of hits: 7)
2	5510	9	1	333	1	5676.0, 5649.0, 5477.0, 5334.0, 5609.0, 5722.0, 5723.0, 5553.0, 5507.0, 5473.0, 5560.0, 5385.0, 5672.0, 5693.0, 5295.0, 5551.0, 5697.0, 5585.0, 5422.0, 5661.0, 5391.0, 5309.0, 5275.0, 5651.0, 5680.0, 5641.0, 5684.0, 5527.0, 5263.0, 5278.0, 5592.0, 5543.0, 5286.0, 5449.0, 5485.0, 5296.0, 5487.0, 5685.0, 5337.0, 5365.0, 5294.0, 5350.0, 5285.0, 5714.0, 5456.0, 5288.0, 5535.0, 5640.0, 5353.0, 5439.0, 5307.0, 5302.0, 5412.0, 5406.0, 5639.0, 5597.0, 5441.0, 5696.0, 5699.0, 5316.0, 5623.0, 5342.0, 5663.0, 5710.0, 5573.0, 5291.0, 5564.0, 5622.0, 5504.0, 5596.0, 5259.0, 5544.0, 5706.0, 5665.0, 5662.0, 5407.0, 5251.0, 5303.0, 5554.0, 5460.0, 5698.0, 5300.0, 5419.0, 5392.0, 5400.0, 5482.0, 5380.0, 5274.0, 5556.0, 5424.0, 5465.0, 5297.0, 5423.0, 5376.0, 5668.0, 5624.0, 5689.0, 5558.0, 5650.0, 5348.0 (number of hits: 3)
3	5510	9	1	333	1	5493.0, 5721.0, 5386.0, 5659.0, 5575.0, 5372.0, 5712.0, 5382.0, 5581.0, 5440.0, 5387.0, 5611.0, 5497.0, 5373.0, 5529.0, 5719.0, 5333.0, 5424.0, 5501.0, 5485.0, 5533.0, 5641.0, 5467.0, 5492.0, 5505.0, 5292.0, 5272.0, 5458.0, 5723.0, 5660.0, 5256.0, 5432.0, 5431.0, 5427.0, 5412.0, 5702.0, 5450.0, 5691.0, 5592.0, 5690.0, 5288.0, 5332.0, 5305.0, 5309.0, 5280.0, 5407.0, 5598.0, 5317.0, 5271.0, 5578.0, 5554.0, 5326.0, 5596.0, 5587.0, 5296.0, 5604.0, 5420.0, 5303.0, 5266.0, 5455.0,

						5550.0, 5682.0, 5509.0, 5653.0, 5293.0, 5334.0, 5318.0, 5573.0, 5512.0, 5630.0, 5321.0, 5315.0, 5513.0, 5522.0, 5328.0, 5495.0, 5312.0, 5425.0, 5639.0, 5363.0, 5310.0, 5347.0, 5591.0, 5260.0, 5695.0, 5574.0, 5418.0, 5658.0, 5330.0, 5668.0, 5616.0, 5612.0, 5546.0, 5566.0, 5444.0, 5255.0, 5572.0, 5498.0, 5367.0, 5324.0 (number of hits: 12)
4	5510	9	1	333	1	5580.0, 5292.0, 5694.0, 5604.0, 5530.0, 5484.0, 5275.0, 5385.0, 5307.0, 5375.0, 5344.0, 5531.0, 5382.0, 5695.0, 5297.0, 5524.0, 5404.0, 5617.0, 5626.0, 5455.0, 5282.0, 5623.0, 5271.0, 5353.0, 5648.0, 5480.0, 5525.0, 5457.0, 5681.0, 5278.0, 5685.0, 5686.0, 5469.0, 5538.0, 5408.0, 5658.0, 5638.0, 5371.0, 5325.0, 5499.0, 5330.0, 5374.0, 5584.0, 5345.0, 5439.0, 5657.0, 5485.0, 5274.0, 5487.0, 5534.0, 5656.0, 5528.0, 5703.0, 5634.0, 5326.0, 5523.0, 5698.0, 5250.0, 5323.0, 5264.0, 5720.0, 5279.0, 5679.0, 5592.0, 5701.0, 5399.0, 5676.0, 5450.0, 5709.0, 5672.0, 5477.0, 5352.0, 5424.0, 5261.0, 5324.0, 5328.0, 5429.0, 5699.0, 5565.0, 5300.0, 5673.0, 5474.0, 5493.0, 5689.0, 5255.0, 5507.0, 5704.0, 5471.0, 5473.0, 5336.0, 5541.0, 5639.0, 5453.0, 5316.0, 5401.0, 5311.0, 5270.0, 5570.0, 5343.0, 5550.0 (number of hits: 7)
5	5510	9	1	333	1	5374.0, 5406.0, 5632.0, 5592.0, 5701.0, 5437.0, 5464.0, 5384.0, 5408.0, 5337.0, 5441.0, 5684.0, 5403.0, 5586.0, 5400.0, 5467.0, 5664.0, 5510.0, 5396.0, 5387.0, 5370.0, 5506.0, 5381.0, 5330.0, 5436.0, 5497.0, 5456.0, 5678.0, 5694.0, 5352.0, 5348.0, 5273.0, 5335.0, 5714.0, 5685.0, 5389.0, 5297.0, 5547.0, 5376.0, 5412.0, 5431.0, 5715.0, 5369.0, 5580.0, 5254.0, 5539.0, 5429.0, 5371.0, 5508.0, 5319.0, 5447.0, 5373.0, 5443.0, 5596.0, 5505.0, 5338.0, 5360.0, 5624.0, 5405.0, 5687.0, 5597.0, 5525.0, 5325.0, 5465.0, 5461.0, 5430.0, 5635.0, 5654.0, 5390.0, 5283.0, 5595.0, 5404.0, 5420.0, 5503.0, 5514.0, 5285.0, 5377.0, 5621.0, 5519.0, 5379.0, 5336.0, 5561.0, 5472.0, 5291.0, 5496.0, 5548.0, 5647.0, 5652.0, 5294.0, 5483.0, 5577.0, 5314.0, 5665.0, 5661.0, 5321.0, 5559.0, 5434.0, 5268.0, 5339.0, 5623.0 (number of hits: 10)
6	5510	9	1	333	1	5498.0, 5464.0, 5516.0, 5263.0, 5352.0, 5583.0, 5613.0, 5679.0, 5377.0, 5653.0, 5429.0, 5463.0, 5415.0, 5700.0, 5345.0, 5625.0, 5539.0, 5530.0, 5250.0, 5548.0, 5630.0, 5422.0, 5716.0, 5274.0, 5546.0, 5519.0, 5448.0, 5334.0, 5641.0, 5595.0, 5578.0, 5637.0, 5273.0, 5382.0, 5710.0, 5579.0, 5287.0, 5542.0, 5557.0, 5615.0,

						5393.0, 5521.0, 5620.0, 5501.0, 5566.0, 5499.0, 5311.0, 5368.0, 5315.0, 5259.0, 5434.0, 5369.0, 5285.0, 5504.0, 5431.0, 5520.0, 5364.0, 5696.0, 5717.0, 5563.0, 5586.0, 5412.0, 5339.0, 5398.0, 5322.0, 5693.0, 5608.0, 5623.0, 5574.0, 5618.0, 5571.0, 5677.0, 5509.0, 5669.0, 5705.0, 5633.0, 5300.0, 5294.0, 5577.0, 5589.0, 5570.0, 5379.0, 5312.0, 5683.0, 5493.0, 5384.0, 5262.0, 5298.0, 5331.0, 5721.0, 5376.0, 5373.0, 5550.0, 5470.0, 5593.0, 5269.0, 5511.0, 5365.0, 5491.0, 5706.0 (number of hits: 12)
7	5510	9	1	333	1	5586.0, 5554.0, 5642.0, 5341.0, 5411.0, 5438.0, 5694.0, 5659.0, 5445.0, 5278.0, 5443.0, 5484.0, 5417.0, 5365.0, 5298.0, 5697.0, 5533.0, 5459.0, 5594.0, 5495.0, 5617.0, 5354.0, 5713.0, 5312.0, 5608.0, 5369.0, 5695.0, 5426.0, 5419.0, 5557.0, 5456.0, 5314.0, 5399.0, 5712.0, 5353.0, 5325.0, 5344.0, 5649.0, 5361.0, 5571.0, 5327.0, 5680.0, 5576.0, 5339.0, 5362.0, 5578.0, 5512.0, 5688.0, 5699.0, 5441.0, 5491.0, 5598.0, 5539.0, 5305.0, 5559.0, 5384.0, 5446.0, 5562.0, 5453.0, 5439.0, 5573.0, 5627.0, 5579.0, 5318.0, 5382.0, 5287.0, 5468.0, 5464.0, 5442.0, 5496.0, 5461.0, 5452.0, 5601.0, 5580.0, 5657.0, 5323.0, 5719.0, 5377.0, 5487.0, 5709.0, 5420.0, 5372.0, 5253.0, 5313.0, 5621.0, 5595.0, 5295.0, 5599.0, 5574.0, 5504.0, 5653.0, 5683.0, 5449.0, 5500.0, 5494.0, 5550.0, 5444.0, 5397.0, 5679.0, 5597.0 (number of hits: 7)
8	5510	9	1	333	1	5324.0, 5716.0, 5588.0, 5353.0, 5368.0, 5269.0, 5258.0, 5526.0, 5535.0, 5709.0, 5439.0, 5476.0, 5340.0, 5376.0, 5632.0, 5607.0, 5261.0, 5432.0, 5664.0, 5539.0, 5642.0, 5260.0, 5559.0, 5380.0, 5278.0, 5452.0, 5277.0, 5316.0, 5489.0, 5700.0, 5303.0, 5337.0, 5308.0, 5305.0, 5281.0, 5525.0, 5375.0, 5715.0, 5280.0, 5528.0, 5451.0, 5531.0, 5615.0, 5702.0, 5643.0, 5568.0, 5413.0, 5283.0, 5516.0, 5587.0, 5591.0, 5332.0, 5440.0, 5389.0, 5291.0, 5441.0, 5593.0, 5668.0, 5576.0, 5550.0, 5397.0, 5496.0, 5578.0, 5621.0, 5454.0, 5688.0, 5410.0, 5503.0, 5400.0, 5263.0, 5575.0, 5398.0, 5312.0, 5521.0, 5549.0, 5698.0, 5626.0, 5294.0, 5282.0, 5472.0, 5372.0, 5289.0, 5708.0, 5377.0, 5314.0, 5585.0, 5466.0, 5381.0, 5682.0, 5419.0, 5259.0, 5292.0, 5541.0, 5694.0, 5690.0, 5262.0, 5313.0, 5571.0, 5646.0, 5437.0 (number of hits: 7)
9	5510	9	1	333	1	5411.0, 5723.0, 5615.0, 5581.0, 5321.0, 5324.0, 5295.0, 5435.0, 5385.0, 5635.0, 5477.0, 5536.0, 5434.0, 5280.0, 5455.0, 5722.0, 5500.0, 5584.0, 5403.0, 5416.0,

						5330.0, 5591.0, 5459.0, 5528.0, 5311.0, 5372.0, 5559.0, 5685.0, 5606.0, 5564.0, 5328.0, 5602.0, 5560.0, 5516.0, 5498.0, 5292.0, 5654.0, 5305.0, 5363.0, 5687.0, 5632.0, 5515.0, 5592.0, 5345.0, 5507.0, 5585.0, 5570.0, 5360.0, 5571.0, 5544.0, 5525.0, 5604.0, 5499.0, 5368.0, 5424.0, 5472.0, 5432.0, 5365.0, 5251.0, 5392.0, 5713.0, 5413.0, 5313.0, 5322.0, 5530.0, 5357.0, 5577.0, 5506.0, 5457.0, 5343.0, 5639.0, 5490.0, 5337.0, 5430.0, 5667.0, 5449.0, 5703.0, 5605.0, 5569.0, 5672.0, 5517.0, 5259.0, 5662.0, 5465.0, 5293.0, 5549.0, 5699.0, 5595.0, 5539.0, 5378.0, 5546.0, 5308.0, 5275.0, 5646.0, 5706.0, 5678.0, 5642.0, 5575.0, 5599.0, 5347.0 (number of hits: 11)
10	5510	9	1	333	1	5466.0, 5598.0, 5619.0, 5461.0, 5487.0, 5380.0, 5476.0, 5253.0, 5362.0, 5607.0, 5616.0, 5252.0, 5635.0, 5413.0, 5605.0, 5444.0, 5667.0, 5561.0, 5277.0, 5512.0, 5626.0, 5375.0, 5627.0, 5389.0, 5468.0, 5301.0, 5504.0, 5514.0, 5405.0, 5615.0, 5678.0, 5343.0, 5554.0, 5418.0, 5618.0, 5649.0, 5436.0, 5519.0, 5656.0, 5595.0, 5264.0, 5309.0, 5500.0, 5332.0, 5541.0, 5286.0, 5591.0, 5653.0, 5422.0, 5533.0, 5611.0, 5261.0, 5489.0, 5691.0, 5515.0, 5558.0, 5452.0, 5411.0, 5262.0, 5671.0, 5267.0, 5292.0, 5492.0, 5503.0, 5360.0, 5311.0, 5257.0, 5421.0, 5715.0, 5429.0, 5407.0, 5712.0, 5577.0, 5573.0, 5440.0, 5654.0, 5339.0, 5377.0, 5451.0, 5498.0, 5352.0, 5528.0, 5603.0, 5609.0, 5417.0, 5655.0, 5298.0, 5432.0, 5472.0, 5456.0, 5287.0, 5366.0, 5552.0, 5395.0, 5499.0, 5290.0, 5260.0, 5412.0, 5475.0, 5333.0 (number of hits: 11)
11	5510	9	1	333	1	5408.0, 5570.0, 5309.0, 5460.0, 5641.0, 5574.0, 5610.0, 5331.0, 5684.0, 5423.0, 5304.0, 5400.0, 5334.0, 5622.0, 5434.0, 5683.0, 5289.0, 5462.0, 5360.0, 5268.0, 5506.0, 5418.0, 5724.0, 5259.0, 5590.0, 5441.0, 5627.0, 5296.0, 5488.0, 5337.0, 5640.0, 5368.0, 5300.0, 5601.0, 5374.0, 5285.0, 5536.0, 5366.0, 5584.0, 5469.0, 5356.0, 5267.0, 5595.0, 5398.0, 5278.0, 5510.0, 5612.0, 5350.0, 5319.0, 5685.0, 5695.0, 5551.0, 5480.0, 5357.0, 5347.0, 5443.0, 5504.0, 5657.0, 5673.0, 5520.0, 5466.0, 5547.0, 5263.0, 5572.0, 5707.0, 5660.0, 5471.0, 5620.0, 5456.0, 5390.0, 5340.0, 5297.0, 5545.0, 5560.0, 5668.0, 5712.0, 5431.0, 5339.0, 5468.0, 5639.0, 5317.0, 5404.0, 5277.0, 5293.0, 5618.0, 5649.0, 5284.0, 5465.0, 5701.0, 5380.0, 5692.0, 5505.0, 5367.0, 5330.0, 5399.0, 5526.0, 5652.0, 5302.0, 5493.0, 5713.0 (number of hits: 7)

12	5510	9	1	333	1	5711.0, 5491.0, 5364.0, 5663.0, 5542.0, 5475.0, 5426.0, 5310.0, 5690.0, 5281.0, 5329.0, 5423.0, 5414.0, 5539.0, 5454.0, 5561.0, 5548.0, 5420.0, 5507.0, 5661.0, 5636.0, 5724.0, 5380.0, 5552.0, 5352.0, 5287.0, 5438.0, 5250.0, 5534.0, 5650.0, 5463.0, 5353.0, 5656.0, 5440.0, 5702.0, 5370.0, 5451.0, 5276.0, 5696.0, 5401.0, 5436.0, 5605.0, 5308.0, 5262.0, 5689.0, 5723.0, 5413.0, 5430.0, 5627.0, 5371.0, 5383.0, 5421.0, 5435.0, 5461.0, 5589.0, 5324.0, 5273.0, 5608.0, 5687.0, 5704.0, 5584.0, 5322.0, 5706.0, 5354.0, 5397.0, 5432.0, 5302.0, 5511.0, 5268.0, 5453.0, 5540.0, 5612.0, 5502.0, 5282.0, 5624.0, 5529.0, 5456.0, 5278.0, 5665.0, 5581.0, 5384.0, 5640.0, 5715.0, 5653.0, 5307.0, 5320.0, 5474.0, 5255.0, 5375.0, 5482.0, 5304.0, 5598.0, 5620.0, 5524.0, 5315.0, 5570.0, 5595.0, 5676.0, 5492.0, 5434.0 (number of hits: 7)
13	5510	9	1	333	1	5508.0, 5311.0, 5677.0, 5668.0, 5308.0, 5662.0, 5723.0, 5338.0, 5638.0, 5525.0, 5486.0, 5343.0, 5572.0, 5681.0, 5519.0, 5533.0, 5696.0, 5689.0, 5307.0, 5616.0, 5588.0, 5432.0, 5518.0, 5560.0, 5584.0, 5633.0, 5325.0, 5349.0, 5509.0, 5305.0, 5591.0, 5680.0, 5375.0, 5376.0, 5259.0, 5672.0, 5429.0, 5476.0, 5534.0, 5617.0, 5336.0, 5467.0, 5548.0, 5444.0, 5428.0, 5701.0, 5456.0, 5656.0, 5636.0, 5313.0, 5261.0, 5462.0, 5497.0, 5362.0, 5347.0, 5597.0, 5278.0, 5365.0, 5713.0, 5658.0, 5698.0, 5496.0, 5357.0, 5468.0, 5268.0, 5556.0, 5605.0, 5522.0, 5634.0, 5452.0, 5685.0, 5342.0, 5484.0, 5663.0, 5280.0, 5330.0, 5643.0, 5652.0, 5453.0, 5489.0, 5675.0, 5367.0, 5407.0, 5595.0, 5703.0, 5395.0, 5611.0, 5450.0, 5334.0, 5609.0, 5286.0, 5335.0, 5704.0, 5540.0, 5352.0, 5659.0, 5322.0, 5416.0, 5387.0, 5538.0 (number of hits: 8)
14	5510	9	1	333	1	5645.0, 5281.0, 5440.0, 5547.0, 5682.0, 5383.0, 5657.0, 5316.0, 5330.0, 5295.0, 5556.0, 5448.0, 5259.0, 5415.0, 5399.0, 5467.0, 5628.0, 5590.0, 5255.0, 5429.0, 5460.0, 5653.0, 5506.0, 5334.0, 5351.0, 5654.0, 5656.0, 5363.0, 5479.0, 5371.0, 5433.0, 5466.0, 5423.0, 5394.0, 5280.0, 5549.0, 5298.0, 5565.0, 5302.0, 5263.0, 5465.0, 5701.0, 5634.0, 5665.0, 5643.0, 5375.0, 5361.0, 5384.0, 5700.0, 5716.0, 5376.0, 5338.0, 5478.0, 5675.0, 5557.0, 5282.0, 5614.0, 5589.0, 5307.0, 5319.0, 5341.0, 5702.0, 5360.0, 5313.0, 5324.0, 5405.0, 5393.0, 5545.0, 5388.0, 5540.0, 5402.0, 5542.0, 5578.0, 5385.0, 5717.0, 5707.0, 5706.0, 5527.0, 5287.0, 5332.0, 5417.0, 5278.0, 5564.0, 5418.0, 5647.0,

						5582.0, 5659.0, 5688.0, 5490.0, 5524.0, 5409.0, 5574.0, 5312.0, 5264.0, 5599.0, 5546.0, 5537.0, 5292.0, 5379.0, 5323.0 (number of hits: 4)
15	5510	9	1	333	1	5623.0, 5384.0, 5347.0, 5525.0, 5527.0, 5585.0, 5555.0, 5277.0, 5313.0, 5561.0, 5695.0, 5663.0, 5647.0, 5506.0, 5566.0, 5631.0, 5331.0, 5510.0, 5507.0, 5443.0, 5358.0, 5274.0, 5290.0, 5634.0, 5551.0, 5723.0, 5324.0, 5511.0, 5600.0, 5349.0, 5294.0, 5509.0, 5599.0, 5498.0, 5284.0, 5333.0, 5273.0, 5492.0, 5475.0, 5537.0, 5271.0, 5393.0, 5387.0, 5254.0, 5668.0, 5272.0, 5686.0, 5307.0, 5420.0, 5714.0, 5675.0, 5428.0, 5381.0, 5689.0, 5522.0, 5552.0, 5256.0, 5408.0, 5368.0, 5681.0, 5400.0, 5652.0, 5672.0, 5502.0, 5698.0, 5472.0, 5441.0, 5572.0, 5458.0, 5354.0, 5697.0, 5269.0, 5593.0, 5536.0, 5595.0, 5293.0, 5319.0, 5550.0, 5532.0, 5481.0, 5700.0, 5299.0, 5318.0, 5688.0, 5609.0, 5336.0, 5463.0, 5289.0, 5639.0, 5285.0, 5721.0, 5459.0, 5654.0, 5571.0, 5704.0, 5438.0, 5515.0, 5713.0, 5526.0, 5457.0 (number of hits: 13)
16	5510	9	1	333	1	5324.0, 5559.0, 5491.0, 5623.0, 5454.0, 5480.0, 5506.0, 5355.0, 5250.0, 5470.0, 5308.0, 5361.0, 5381.0, 5495.0, 5365.0, 5414.0, 5440.0, 5443.0, 5665.0, 5607.0, 5285.0, 5499.0, 5702.0, 5428.0, 5270.0, 5653.0, 5692.0, 5621.0, 5569.0, 5490.0, 5395.0, 5594.0, 5683.0, 5713.0, 5457.0, 5307.0, 5357.0, 5418.0, 5455.0, 5561.0, 5596.0, 5557.0, 5670.0, 5708.0, 5371.0, 5391.0, 5432.0, 5321.0, 5684.0, 5622.0, 5336.0, 5529.0, 5294.0, 5330.0, 5333.0, 5309.0, 5519.0, 5289.0, 5680.0, 5568.0, 5477.0, 5269.0, 5347.0, 5550.0, 5697.0, 5406.0, 5631.0, 5398.0, 5366.0, 5288.0, 5606.0, 5591.0, 5359.0, 5370.0, 5483.0, 5572.0, 5626.0, 5498.0, 5303.0, 5615.0, 5298.0, 5693.0, 5599.0, 5364.0, 5389.0, 5462.0, 5487.0, 5429.0, 5427.0, 5534.0, 5295.0, 5528.0, 5257.0, 5338.0, 5484.0, 5686.0, 5548.0, 5722.0, 5313.0, 5479.0 (number of hits: 9)
17	5510	9	1	333	1	5633.0, 5456.0, 5560.0, 5596.0, 5579.0, 5330.0, 5503.0, 5253.0, 5586.0, 5524.0, 5659.0, 5568.0, 5425.0, 5664.0, 5345.0, 5540.0, 5445.0, 5673.0, 5508.0, 5474.0, 5447.0, 5600.0, 5627.0, 5519.0, 5506.0, 5628.0, 5357.0, 5459.0, 5418.0, 5620.0, 5585.0, 5671.0, 5354.0, 5466.0, 5292.0, 5668.0, 5487.0, 5565.0, 5293.0, 5561.0, 5710.0, 5331.0, 5683.0, 5313.0, 5559.0, 5454.0, 5660.0, 5538.0, 5494.0, 5372.0, 5703.0, 5290.0, 5410.0, 5598.0, 5457.0, 5667.0, 5501.0, 5272.0, 5528.0, 5439.0, 5584.0, 5424.0, 5274.0, 5555.0, 5616.0,

						5684.0, 5451.0, 5521.0, 5606.0, 5277.0, 5577.0, 5344.0, 5655.0, 5685.0, 5419.0, 5298.0, 5403.0, 5571.0, 5527.0, 5511.0, 5570.0, 5611.0, 5617.0, 5430.0, 5444.0, 5452.0, 5514.0, 5653.0, 5645.0, 5691.0, 5604.0, 5316.0, 5688.0, 5711.0, 5390.0, 5706.0, 5412.0, 5669.0, 5513.0, 5268.0 (number of hits: 13)
18	5510	9	1	333	1	5460.0, 5335.0, 5402.0, 5333.0, 5694.0, 5720.0, 5340.0, 5462.0, 5344.0, 5724.0, 5475.0, 5587.0, 5325.0, 5528.0, 5467.0, 5472.0, 5518.0, 5684.0, 5258.0, 5438.0, 5369.0, 5266.0, 5576.0, 5608.0, 5639.0, 5446.0, 5250.0, 5712.0, 5317.0, 5524.0, 5404.0, 5304.0, 5465.0, 5411.0, 5334.0, 5676.0, 5377.0, 5484.0, 5483.0, 5681.0, 5590.0, 5550.0, 5394.0, 5376.0, 5348.0, 5428.0, 5572.0, 5458.0, 5390.0, 5668.0, 5504.0, 5507.0, 5372.0, 5436.0, 5612.0, 5419.0, 5555.0, 5418.0, 5292.0, 5696.0, 5355.0, 5513.0, 5661.0, 5433.0, 5706.0, 5721.0, 5656.0, 5678.0, 5685.0, 5490.0, 5364.0, 5429.0, 5526.0, 5617.0, 5383.0, 5614.0, 5422.0, 5391.0, 5471.0, 5453.0, 5559.0, 5288.0, 5540.0, 5718.0, 5666.0, 5420.0, 5680.0, 5655.0, 5276.0, 5341.0, 5263.0, 5268.0, 5583.0, 5487.0, 5489.0, 5543.0, 5319.0, 5675.0, 5644.0, 5481.0 (number of hits: 8)
19	5510	9	1	333	1	5267.0, 5317.0, 5416.0, 5601.0, 5475.0, 5278.0, 5529.0, 5564.0, 5304.0, 5324.0, 5687.0, 5602.0, 5618.0, 5259.0, 5552.0, 5608.0, 5467.0, 5365.0, 5343.0, 5289.0, 5655.0, 5306.0, 5706.0, 5412.0, 5258.0, 5667.0, 5402.0, 5460.0, 5277.0, 5295.0, 5312.0, 5569.0, 5512.0, 5455.0, 5532.0, 5264.0, 5310.0, 5555.0, 5579.0, 5549.0, 5619.0, 5265.0, 5640.0, 5704.0, 5478.0, 5679.0, 5674.0, 5615.0, 5500.0, 5530.0, 5497.0, 5571.0, 5483.0, 5370.0, 5342.0, 5508.0, 5490.0, 5672.0, 5391.0, 5399.0, 5441.0, 5641.0, 5418.0, 5572.0, 5439.0, 5682.0, 5591.0, 5319.0, 5283.0, 5266.0, 5652.0, 5646.0, 5284.0, 5303.0, 5377.0, 5485.0, 5434.0, 5396.0, 5563.0, 5316.0, 5534.0, 5340.0, 5397.0, 5539.0, 5609.0, 5419.0, 5404.0, 5464.0, 5454.0, 5617.0, 5692.0, 5411.0, 5268.0, 5318.0, 5462.0, 5436.0, 5584.0, 5637.0, 5558.0, 5553.0 (number of hits: 6)
20	5510	9	1	333	1	5592.0, 5306.0, 5399.0, 5335.0, 5551.0, 5712.0, 5451.0, 5543.0, 5437.0, 5265.0, 5549.0, 5349.0, 5693.0, 5443.0, 5427.0, 5474.0, 5346.0, 5298.0, 5664.0, 5330.0, 5550.0, 5323.0, 5695.0, 5442.0, 5407.0, 5355.0, 5565.0, 5285.0, 5361.0, 5579.0, 5487.0, 5482.0, 5683.0, 5464.0, 5395.0, 5499.0, 5483.0, 5706.0, 5418.0, 5315.0, 5711.0, 5462.0, 5681.0, 5616.0, 5337.0,

						5563.0, 5576.0, 5255.0, 5422.0, 5358.0, 5564.0, 5347.0, 5545.0, 5415.0, 5577.0, 5716.0, 5351.0, 5642.0, 5598.0, 5453.0, 5521.0, 5496.0, 5560.0, 5414.0, 5292.0, 5267.0, 5685.0, 5665.0, 5635.0, 5367.0, 5517.0, 5296.0, 5256.0, 5389.0, 5450.0, 5455.0, 5553.0, 5668.0, 5687.0, 5447.0, 5597.0, 5659.0, 5703.0, 5526.0, 5273.0, 5602.0, 5675.0, 5281.0, 5641.0, 5393.0, 5318.0, 5434.0, 5510.0, 5698.0, 5653.0, 5689.0, 5606.0, 5718.0, 5603.0, 5380.0 (number of hits: 6)
21	5510	9	1	333	1	5577.0, 5579.0, 5324.0, 5707.0, 5251.0, 5574.0, 5519.0, 5551.0, 5502.0, 5356.0, 5602.0, 5642.0, 5460.0, 5493.0, 5710.0, 5457.0, 5454.0, 5444.0, 5382.0, 5455.0, 5433.0, 5724.0, 5700.0, 5261.0, 5294.0, 5703.0, 5476.0, 5427.0, 5557.0, 5681.0, 5714.0, 5715.0, 5426.0, 5302.0, 5440.0, 5589.0, 5266.0, 5453.0, 5693.0, 5526.0, 5503.0, 5595.0, 5481.0, 5696.0, 5670.0, 5657.0, 5520.0, 5293.0, 5606.0, 5547.0, 5705.0, 5351.0, 5593.0, 5708.0, 5570.0, 5572.0, 5422.0, 5677.0, 5418.0, 5283.0, 5352.0, 5645.0, 5452.0, 5276.0, 5613.0, 5534.0, 5275.0, 5673.0, 5636.0, 5478.0, 5542.0, 5639.0, 5431.0, 5646.0, 5335.0, 5371.0, 5587.0, 5327.0, 5555.0, 5685.0, 5637.0, 5300.0, 5624.0, 5514.0, 5661.0, 5323.0, 5625.0, 5667.0, 5583.0, 5267.0, 5634.0, 5309.0, 5682.0, 5436.0, 5497.0, 5615.0, 5458.0, 5658.0, 5434.0, 5641.0 (number of hits: 8)
22	5510	9	1	333	1	5255.0, 5701.0, 5283.0, 5723.0, 5696.0, 5296.0, 5522.0, 5704.0, 5627.0, 5266.0, 5503.0, 5605.0, 5548.0, 5680.0, 5593.0, 5676.0, 5359.0, 5569.0, 5321.0, 5434.0, 5623.0, 5470.0, 5618.0, 5698.0, 5624.0, 5674.0, 5658.0, 5685.0, 5510.0, 5300.0, 5256.0, 5661.0, 5599.0, 5506.0, 5301.0, 5516.0, 5695.0, 5325.0, 5350.0, 5400.0, 5342.0, 5565.0, 5568.0, 5396.0, 5645.0, 5276.0, 5673.0, 5617.0, 5556.0, 5304.0, 5416.0, 5425.0, 5705.0, 5628.0, 5535.0, 5526.0, 5606.0, 5335.0, 5455.0, 5487.0, 5273.0, 5544.0, 5660.0, 5316.0, 5523.0, 5299.0, 5560.0, 5391.0, 5703.0, 5462.0, 5264.0, 5380.0, 5286.0, 5581.0, 5360.0, 5562.0, 5518.0, 5607.0, 5710.0, 5625.0, 5500.0, 5718.0, 5423.0, 5648.0, 5650.0, 5558.0, 5338.0, 5327.0, 5384.0, 5539.0, 5642.0, 5458.0, 5604.0, 5410.0, 5589.0, 5427.0, 5420.0, 5341.0, 5630.0, 5529.0 (number of hits: 10)
23	5510	9	1	333	1	5356.0, 5259.0, 5289.0, 5310.0, 5303.0, 5630.0, 5407.0, 5321.0, 5565.0, 5373.0, 5262.0, 5635.0, 5679.0, 5263.0, 5384.0, 5503.0, 5272.0, 5290.0, 5299.0, 5518.0, 5448.0, 5597.0, 5266.0, 5406.0, 5472.0,

						5383.0, 5648.0, 5412.0, 5450.0, 5348.0, 5608.0, 5269.0, 5497.0, 5714.0, 5349.0, 5665.0, 5637.0, 5520.0, 5296.0, 5438.0, 5257.0, 5468.0, 5416.0, 5612.0, 5374.0, 5477.0, 5313.0, 5372.0, 5360.0, 5582.0, 5535.0, 5377.0, 5451.0, 5461.0, 5388.0, 5593.0, 5328.0, 5479.0, 5495.0, 5628.0, 5687.0, 5496.0, 5287.0, 5376.0, 5691.0, 5543.0, 5322.0, 5515.0, 5297.0, 5622.0, 5480.0, 5698.0, 5618.0, 5576.0, 5424.0, 5403.0, 5390.0, 5603.0, 5445.0, 5709.0, 5669.0, 5485.0, 5534.0, 5653.0, 5541.0, 5300.0, 5309.0, 5368.0, 5619.0, 5703.0, 5422.0, 5363.0, 5460.0, 5710.0, 5569.0, 5352.0, 5489.0, 5513.0, 5575.0, 5401.0 (number of hits: 8)
24	5510	9	1	333	1	5408.0, 5715.0, 5694.0, 5465.0, 5403.0, 5679.0, 5516.0, 5361.0, 5583.0, 5301.0, 5306.0, 5512.0, 5623.0, 5445.0, 5560.0, 5536.0, 5467.0, 5302.0, 5362.0, 5350.0, 5504.0, 5610.0, 5423.0, 5717.0, 5366.0, 5259.0, 5712.0, 5325.0, 5557.0, 5701.0, 5289.0, 5421.0, 5599.0, 5631.0, 5607.0, 5622.0, 5294.0, 5593.0, 5641.0, 5284.0, 5556.0, 5313.0, 5440.0, 5490.0, 5262.0, 5539.0, 5410.0, 5652.0, 5282.0, 5558.0, 5354.0, 5338.0, 5459.0, 5724.0, 5550.0, 5285.0, 5295.0, 5353.0, 5385.0, 5722.0, 5275.0, 5561.0, 5691.0, 5547.0, 5695.0, 5464.0, 5472.0, 5603.0, 5348.0, 5252.0, 5700.0, 5658.0, 5626.0, 5296.0, 5412.0, 5389.0, 5544.0, 5318.0, 5381.0, 5533.0, 5322.0, 5612.0, 5699.0, 5563.0, 5272.0, 5351.0, 5319.0, 5392.0, 5606.0, 5627.0, 5615.0, 5413.0, 5349.0, 5448.0, 5711.0, 5505.0, 5542.0, 5352.0, 5380.0, 5589.0 (number of hits: 5)
25	5510	9	1	333	1	5281.0, 5716.0, 5400.0, 5540.0, 5491.0, 5653.0, 5521.0, 5551.0, 5488.0, 5710.0, 5478.0, 5440.0, 5432.0, 5261.0, 5628.0, 5550.0, 5376.0, 5332.0, 5360.0, 5595.0, 5361.0, 5379.0, 5283.0, 5718.0, 5636.0, 5398.0, 5493.0, 5252.0, 5338.0, 5255.0, 5509.0, 5703.0, 5477.0, 5319.0, 5535.0, 5619.0, 5554.0, 5661.0, 5544.0, 5406.0, 5580.0, 5631.0, 5711.0, 5573.0, 5253.0, 5371.0, 5617.0, 5571.0, 5513.0, 5316.0, 5399.0, 5497.0, 5284.0, 5526.0, 5337.0, 5347.0, 5452.0, 5423.0, 5460.0, 5458.0, 5664.0, 5555.0, 5356.0, 5380.0, 5293.0, 5507.0, 5295.0, 5610.0, 5705.0, 5568.0, 5475.0, 5512.0, 5485.0, 5419.0, 5643.0, 5708.0, 5721.0, 5634.0, 5671.0, 5520.0, 5563.0, 5329.0, 5702.0, 5625.0, 5549.0, 5322.0, 5499.0, 5700.0, 5648.0, 5383.0, 5258.0, 5251.0, 5605.0, 5545.0, 5600.0, 5591.0, 5388.0, 5672.0, 5328.0, 5539.0 (number of hits: 11)
26	5510	9	1	333	1	5548.0, 5521.0, 5658.0, 5464.0, 5312.0,

						5378.0, 5483.0, 5280.0, 5305.0, 5648.0, 5347.0, 5702.0, 5706.0, 5697.0, 5634.0, 5359.0, 5382.0, 5587.0, 5461.0, 5500.0, 5295.0, 5441.0, 5708.0, 5350.0, 5637.0, 5556.0, 5692.0, 5519.0, 5450.0, 5485.0, 5659.0, 5565.0, 5402.0, 5588.0, 5322.0, 5293.0, 5567.0, 5384.0, 5341.0, 5403.0, 5505.0, 5661.0, 5481.0, 5391.0, 5543.0, 5539.0, 5266.0, 5457.0, 5499.0, 5514.0, 5715.0, 5409.0, 5655.0, 5645.0, 5646.0, 5590.0, 5581.0, 5629.0, 5569.0, 5393.0, 5712.0, 5413.0, 5437.0, 5532.0, 5635.0, 5614.0, 5585.0, 5657.0, 5616.0, 5687.0, 5709.0, 5498.0, 5320.0, 5269.0, 5534.0, 5298.0, 5423.0, 5426.0, 5623.0, 5538.0, 5442.0, 5333.0, 5265.0, 5472.0, 5401.0, 5701.0, 5377.0, 5282.0, 5373.0, 5503.0, 5506.0, 5722.0, 5444.0, 5606.0, 5577.0, 5566.0, 5353.0, 5358.0, 5491.0, 5613.0 (number of hits: 10)
27	5510	9	1	333	1	5308.0, 5549.0, 5447.0, 5640.0, 5449.0, 5455.0, 5330.0, 5407.0, 5575.0, 5669.0, 5662.0, 5261.0, 5365.0, 5357.0, 5710.0, 5592.0, 5390.0, 5425.0, 5313.0, 5610.0, 5474.0, 5556.0, 5284.0, 5322.0, 5557.0, 5327.0, 5612.0, 5401.0, 5650.0, 5488.0, 5634.0, 5424.0, 5378.0, 5528.0, 5699.0, 5461.0, 5638.0, 5555.0, 5494.0, 5540.0, 5547.0, 5622.0, 5410.0, 5421.0, 5382.0, 5388.0, 5686.0, 5508.0, 5694.0, 5723.0, 5394.0, 5334.0, 5530.0, 5706.0, 5567.0, 5384.0, 5677.0, 5719.0, 5564.0, 5353.0, 5282.0, 5350.0, 5483.0, 5513.0, 5311.0, 5321.0, 5602.0, 5597.0, 5714.0, 5471.0, 5636.0, 5395.0, 5404.0, 5625.0, 5616.0, 5684.0, 5589.0, 5452.0, 5577.0, 5473.0, 5570.0, 5361.0, 5343.0, 5591.0, 5607.0, 5341.0, 5359.0, 5336.0, 5713.0, 5264.0, 5368.0, 5428.0, 5614.0, 5366.0, 5647.0, 5563.0, 5511.0, 5666.0, 5338.0, 5380.0 (number of hits: 5)
28	5510	9	1	333	1	5651.0, 5584.0, 5347.0, 5416.0, 5251.0, 5449.0, 5630.0, 5430.0, 5367.0, 5292.0, 5333.0, 5346.0, 5673.0, 5406.0, 5636.0, 5349.0, 5303.0, 5539.0, 5609.0, 5624.0, 5398.0, 5380.0, 5408.0, 5389.0, 5618.0, 5652.0, 5719.0, 5424.0, 5571.0, 5626.0, 5300.0, 5281.0, 5677.0, 5662.0, 5597.0, 5306.0, 5353.0, 5576.0, 5485.0, 5706.0, 5527.0, 5563.0, 5309.0, 5525.0, 5296.0, 5642.0, 5545.0, 5451.0, 5308.0, 5515.0, 5361.0, 5598.0, 5332.0, 5371.0, 5478.0, 5596.0, 5452.0, 5628.0, 5657.0, 5688.0, 5610.0, 5465.0, 5645.0, 5518.0, 5401.0, 5504.0, 5472.0, 5602.0, 5498.0, 5315.0, 5257.0, 5356.0, 5717.0, 5540.0, 5377.0, 5553.0, 5670.0, 5607.0, 5697.0, 5276.0, 5291.0, 5269.0, 5341.0, 5720.0, 5313.0, 5509.0, 5674.0, 5470.0, 5599.0, 5403.0,

						5558.0, 5265.0, 5487.0, 5354.0, 5686.0, 5689.0, 5604.0, 5544.0, 5669.0, 5696.0 (number of hits: 7)
29	5510	9	1	333	1	5456.0, 5363.0, 5525.0, 5445.0, 5452.0, 5425.0, 5336.0, 5494.0, 5317.0, 5264.0, 5380.0, 5533.0, 5400.0, 5337.0, 5383.0, 5608.0, 5440.0, 5295.0, 5504.0, 5597.0, 5603.0, 5447.0, 5439.0, 5515.0, 5493.0, 5419.0, 5250.0, 5616.0, 5389.0, 5590.0, 5491.0, 5414.0, 5289.0, 5288.0, 5676.0, 5355.0, 5546.0, 5454.0, 5335.0, 5716.0, 5366.0, 5465.0, 5721.0, 5589.0, 5622.0, 5483.0, 5570.0, 5280.0, 5703.0, 5415.0, 5350.0, 5611.0, 5524.0, 5424.0, 5601.0, 5397.0, 5673.0, 5319.0, 5627.0, 5321.0, 5538.0, 5569.0, 5482.0, 5437.0, 5626.0, 5708.0, 5339.0, 5507.0, 5354.0, 5514.0, 5644.0, 5537.0, 5704.0, 5648.0, 5312.0, 5718.0, 5435.0, 5279.0, 5508.0, 5402.0, 5560.0, 5657.0, 5517.0, 5566.0, 5304.0, 5561.0, 5405.0, 5501.0, 5556.0, 5388.0, 5291.0, 5606.0, 5391.0, 5604.0, 5536.0, 5477.0, 5564.0, 5385.0, 5473.0, 5410.0 (number of hits: 12)
30	5510	9	1	333	1	5410.0, 5393.0, 5289.0, 5542.0, 5379.0, 5360.0, 5368.0, 5722.0, 5384.0, 5325.0, 5435.0, 5389.0, 5593.0, 5311.0, 5682.0, 5424.0, 5577.0, 5270.0, 5544.0, 5308.0, 5394.0, 5704.0, 5641.0, 5468.0, 5404.0, 5363.0, 5676.0, 5265.0, 5604.0, 5361.0, 5342.0, 5613.0, 5673.0, 5587.0, 5483.0, 5554.0, 5290.0, 5446.0, 5281.0, 5262.0, 5580.0, 5257.0, 5414.0, 5467.0, 5605.0, 5694.0, 5282.0, 5372.0, 5438.0, 5320.0, 5513.0, 5504.0, 5476.0, 5319.0, 5569.0, 5674.0, 5356.0, 5601.0, 5351.0, 5260.0, 5568.0, 5630.0, 5693.0, 5498.0, 5411.0, 5705.0, 5517.0, 5397.0, 5488.0, 5614.0, 5437.0, 5485.0, 5624.0, 5646.0, 5385.0, 5349.0, 5312.0, 5609.0, 5395.0, 5689.0, 5702.0, 5510.0, 5500.0, 5479.0, 5491.0, 5301.0, 5615.0, 5348.0, 5525.0, 5462.0, 5567.0, 5636.0, 5671.0, 5343.0, 5380.0, 5619.0, 5302.0, 5606.0, 5536.0, 5276.0 (number of hits: 8)

5530 MHz, 80 MHz Bandwidth

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

Please refer to the following statistical tables:

5290 MHz, 80 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	78	1	678	1
2	5530	102	1	518	1
3	5530	72	1	738	1
4	5530	65	1	818	1
5	5530	62	1	858	1
6	5530	61	1	878	1
7	5530	57	1	938	1
8	5530	83	1	638	1
9	5530	92	1	578	1
10	5530	67	1	798	1
11	5530	58	1	918	1
12	5530	76	1	698	1
13	5530	81	1	658	1
14	5530	59	1	898	1
15	5530	95	1	558	1
16	5530	30	1	1771	1
17	5530	98	1	542	1
18	5530	60	1	888	1
19	5530	22	1	2446	1
20	5530	37	1	1446	1
21	5530	23	1	2361	1
22	5530	21	1	2547	1
23	5530	28	1	1893	1
24	5530	19	1	2893	1
25	5530	27	1	1992	1
26	5530	22	1	2424	1
27	5530	32	1	1696	1
28	5530	23	1	2369	1
29	5530	18	1	3007	1
30	5530	20	1	2776	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	26	3.4	181	1
2	5530	26	3.8	181	1
3	5530	26	1.6	214	1
4	5530	29	1.6	230	1
5	5530	23	4.5	210	1
6	5530	24	2.6	211	1
7	5530	28	3.7	157	1
8	5530	23	2.7	202	1
9	5530	27	2.3	221	1
10	5530	24	1.3	208	1
11	5530	28	4.7	195	1
12	5530	29	3.3	162	1
13	5530	23	4	228	1
14	5530	23	2.8	224	1
15	5530	28	4.5	228	1
16	5530	25	2.9	193	1
17	5530	26	2.2	183	1
18	5530	25	3.5	163	1
19	5530	29	4.2	176	1
20	5530	28	1.9	211	1
21	5530	26	3.8	167	1
22	5530	23	2.3	191	1
23	5530	25	3.7	211	1
24	5530	27	4.5	158	1
25	5530	24	4	179	1
26	5530	27	4.8	199	1
27	5530	26	1.9	166	1
28	5530	25	1.9	204	1
29	5530	29	4.5	187	1
30	5530	28	1.2	158	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	17	6	451	1
2	5530	18	6.4	342	1
3	5530	17	9.6	321	1
4	5530	17	9.5	434	1
5	5530	17	8	364	1
6	5530	17	7.5	360	1
7	5530	16	9.8	302	1
8	5530	18	9.6	455	1
9	5530	17	6.5	435	1
10	5530	16	6	298	1
11	5530	18	6.5	210	1
12	5530	16	6.3	229	1
13	5530	17	6.9	296	1
14	5530	18	7.6	200	1
15	5530	17	9.4	241	1
16	5530	16	9.8	495	1
17	5530	17	9.2	378	1
18	5530	16	9.8	358	1
19	5530	17	7.7	437	1
20	5530	17	9.9	216	1
21	5530	18	8.7	318	1
22	5530	16	8.1	385	1
23	5530	16	8.8	469	1
24	5530	16	6.7	236	1
25	5530	18	8.4	417	1
26	5530	17	6.7	457	1
27	5530	18	9.4	470	1
28	5530	17	7.6	452	1
29	5530	18	9.1	275	1
30	5530	18	9.3	391	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	16	18.8	449	1
2	5530	12	17.4	370	1
3	5530	14	17.1	336	1
4	5530	15	19.4	226	1
5	5530	15	15.4	280	1
6	5530	14	17.5	487	1
7	5530	15	18.6	392	1
8	5530	12	16.4	377	1
9	5530	16	14.9	332	1
10	5530	13	17.5	389	1
11	5530	13	13.3	277	1
12	5530	13	17.5	430	1
13	5530	12	13.3	365	1
14	5530	12	13.8	322	1
15	5530	12	17.1	472	1
16	5530	13	11.4	354	1
17	5530	14	18.5	201	1
18	5530	14	11	378	1
19	5530	13	17.9	404	1
20	5530	15	16.3	387	1
21	5530	13	19	289	1
22	5530	15	18.2	469	1
23	5530	15	17.4	418	1
24	5530	12	16.6	269	1
25	5530	15	18.1	228	1
26	5530	12	15.4	466	1
27	5530	13	17.1	206	1
28	5530	16	17.3	448	1
29	5530	12	11.7	239	1
30	5530	15	14.6	448	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5497.2	1
12	5495.6	1
13	5499.6	1
14	5498.0	1
15	5496.8	1
16	5497.6	1
17	5494.8	1
18	5499.6	1
19	5494.8	1
20	5497.6	1
21	5563.6	1
22	5560.4	1
23	5561.2	1
24	5564.8	1
25	5565.2	1
26	5564.0	1
27	5562.8	1
28	5561.6	1
29	5565.6	1
30	5561.6	1
Detection Percentage: 100% (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	81.4	1088		0.036717	
1	2	13	55.4	1677		1.121163	
2	1	13	54			2.557344	
3	1	13	95.4			3.616932	
4	1	13	50.8			4.516631	
5	3	13	57.9	1275	1880	6.463616	1
6	1	13	82			7.407184	
7	1	13	91			7.745946	
8	1	13	87.4			8.966026	
9	1	13	94.6			10.210351	
10	2	13	88.5	1777		11.925124	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	57.6	1976	1202	0.784206	
1	2	14	93	1860		1.365243	
2	3	14	69.4	1969	1251	1.952968	
3	2	14	76.1	1374		2.901779	
4	2	14	71.2	1158		3.853075	
5	2	14	92.4	1825		4.449819	
6	2	14	59.8	1940		5.586241	
7	3	14	61.8	1186	1818	5.62351	1
8	2	14	75	1214		6.57361	
9	2	14	62.5	1334		7.30605	
10	1	14	57.1			8.075135	
11	3	14	93.4	1145	1739	9.522367	
12	1	14	98.3			10.335649	
13	3	14	99.4	1852	1897	10.698428	
14	1	14	85.7			11.874665	

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	52	1125		0.085225	
1	2	8	68.3	1431		1.19929	
2	1	8	54.1			1.579076	
3	2	8	63.2	1704		1.947075	
4	1	8	61			2.872299	
5	2	8	66	1314		3.714225	
6	3	8	87.9	1617	1682	4.030801	
7	1	8	90.4			4.468219	
8	1	8	91.2			5.235668	
9	3	8	50.9	1591	1391	5.796842	1
10	2	8	56.3	1185		6.488421	
11	2	8	94.1	1460		7.407574	
12	3	8	50.9	1431	1127	7.714336	
13	1	8	88.8			8.714666	
14	2	8	89.1	1933		9.168443	
15	3	8	53.5	1869	1391	9.87256	
16	2	8	64.9	1123		10.567207	
17	1	8	93.7			10.809501	
18	2	8	89.4	1984		11.373086	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	58.9	1840		0.150643	
1	3	9	60	1409	1990	0.971093	
2	1	9	71.7			2.287787	
3	1	9	94			2.676103	
4	1	9	54.6			3.858932	
5	2	9	55.3	1361		4.313889	
6	2	9	52.2	1662		5.771528	
7	1	9	93.4			6.315568	1
8	2	9	78.2	1228		7.370876	
9	2	9	95.9	1157		7.837759	
10	2	9	59	1466		8.871243	
11	1	9	81.1			9.747603	
12	3	9	95.9	1733	1815	10.616446	
13	2	9	75.8	1492		11.646265	

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	8	70.1	1872		0.466347	1
1	2	8	82.5	1490		1.107047	
2	3	8	60.2	1678	1724	1.344313	
3	2	8	82.6	1483		2.291979	
4	2	8	93.3	1910		3.114269	
5	1	8	79.7			3.350029	
6	3	8	99.2	1042	1125	4.598793	
7	1	8	52.8			4.777897	
8	3	8	70.6	1381	1798	5.982246	
9	1	8	56			6.263034	
10	3	8	64.5	1574	1911	6.669378	
11	3	8	90.2	1321	1723	7.449204	
12	2	8	92.7	1261		8.349679	
13	1	8	79.5			8.946895	
14	2	8	56	1357		9.635156	
15	2	8	58.5	1883		10.353282	
16	1	8	72.6			10.920352	
17	1	8	76.9			11.723866	

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	13	65.6	1855	1750	1.095156	1
1	3	13	59.9	1172	1134	2.891976	
2	2	13	66.5	1578		3.390111	
3	2	13	87.4	1608		5.85344	
4	2	13	98.3	1893		6.558363	
5	3	13	73.1	1435	1273	8.443059	
6	2	13	85.5	1043		10.270787	
7	2	13	64	1519		10.982284	

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	9	62.3	1324		0.225074	1
1	3	9	62.2	1511	1600	1.168241	
2	3	9	85.9	1664	1689	1.942425	
3	1	9	59.9			2.25648	
4	2	9	68.1	1656		2.989091	
5	2	9	55.5	1211		3.851653	
6	2	9	78.9	1554		4.041857	
7	1	9	72.5			4.952653	
8	2	9	51.7	1141		5.964461	
9	2	9	69.1	1995		6.230022	
10	2	9	55.3	1390		7.195424	
11	2	9	62.8	1772		7.957818	
12	2	9	51	1805		8.098423	
13	2	9	77	1359		8.894015	
14	3	9	89.9	1883	1732	9.608953	
15	1	9	99.3			10.145904	
16	2	9	71.6	1993		10.965791	
17	3	9	53.3	1095	1262	11.509517	

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	12	57.4			0.793157	1
1	2	12	80.7	1022		1.335272	
2	2	12	75.8	1420		3.067633	
3	1	12	99.6			3.79624	
4	2	12	50.1	1934		4.746209	
5	2	12	99.4	1046		6.063439	
6	3	12	59.1	1239	1233	6.828359	
7	3	12	71.7	1992	1734	8.59634	
8	1	12	50.6			8.863484	
9	1	12	65.9			9.913671	
10	1	12	66.4			11.077354	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	68.8	1105	1892	0.306694	1
1	3	7	74.2	1149	1292	1.039049	
2	2	7	61	1075		1.437436	
3	3	7	87.3	1611	1546	2.19957	
4	3	7	52.4	1503	1575	3.136408	
5	3	7	90	1645	1268	3.374003	
6	2	7	68.6	1473		4.086818	
7	2	7	79.2	1298		5.238698	
8	2	7	51.1	1082		5.476595	
9	2	7	96.8	1920		6.278364	
10	2	7	58.6	1748		7.307788	
11	3	7	54.2	1086	1663	7.576577	
12	3	7	97.3	1038	1617	8.64478	
13	2	7	59	1487		9.066675	
14	3	7	67.6	1536	1920	9.831373	
15	2	7	95	1423		10.246729	
16	1	7	68.8			11.132965	
17	3	7	61.7	1006	1596	11.763377	

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	14	83.2	1031		0.189328	1
1	3	14	95.3	1927	1039	1.209739	
2	2	14	81.2	1471		2.098749	
3	3	14	76.2	1038	1739	2.801604	
4	3	14	98.5	1309	1547	3.908553	
5	2	14	84.5	1084		5.171278	
6	3	14	86.2	1662	1343	5.877913	
7	1	14	56.8			7.12849	
8	2	14	61.3	1101		8.08313	
9	1	14	74.4			8.673436	
10	2	14	63.7	1270		9.655798	
11	2	14	88.6	1695		10.861738	
12	1	14	80.9			11.406038	

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	13	93.7			0.537265	
1	2	13	75.2	1828		1.131652	
2	2	13	61.9	1458		1.554824	
3	2	13	84.8	1574		2.160272	
4	2	13	99.8	1877		3.387245	
5	1	13	55			3.722945	
6	2	13	77.9	1310		4.853383	
7	3	13	88.7	1207	1609	5.23847	
8	1	13	84.8			6.03479	0
9	2	13	83.7	1406		6.79835	
10	3	13	52.1	1978	1708	7.080778	
11	2	13	54.9	1207		7.821927	
12	2	13	94.8	1631		9.028149	
13	3	13	57.3	1169	1154	9.636115	
14	2	13	91.8	1546		10.414888	
15	2	13	51.6	1034		11.278196	
16	2	13	64	1917		11.384084	

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	9	64	1855	1646	0.443737	
1	2	9	57.8	1213		1.098207	
2	2	9	84.5	1484		2.148196	
3	3	9	68.9	1538	1464	2.759489	
4	3	9	83.7	1762	1224	3.533824	
5	1	9	89.8			4.829	
6	1	9	86.1			5.23106	
7	1	9	50.3			6.135795	1
8	1	9	83.8			6.982531	
9	2	9	91.4	1986		8.132765	
10	1	9	63.4			8.623642	
11	2	9	97.8	1288		10.005778	
12	2	9	84.2	1787		10.450107	
13	2	9	61.7	1925		11.683393	

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	19	85.7	1860		0.078184	
1	1	19	71			0.681289	
2	1	19	87.9			1.451166	
3	3	19	78.8	1683	1139	2.174821	
4	2	19	85.5	1118		2.982899	
5	2	19	89.9	1254		3.477758	
6	3	19	90	1574	1412	3.868773	
7	1	19	67.3			4.709681	
8	1	19	99.5			5.057426	
9	2	19	92.2	1558		5.881373	1
10	2	19	54.4	1980		6.880449	
11	3	19	98	1620	1673	7.546933	
12	1	19	88.5			7.673296	
13	2	19	50	1893		8.343592	
14	1	19	98.7			9.360476	
15	1	19	50.4			10.012187	
16	3	19	50.1	1627	1513	10.503487	
17	2	19	68.7	1614		11.134314	
18	2	19	80.7	1883		11.693998	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	51.8	1559		1.004926	
1	2	15	87.9	1608		1.732005	
2	2	15	70.2	1311		3.217844	
3	2	15	56.4	1194		4.303959	
4	2	15	73.2	1456		4.859364	
5	3	15	57	1595	1933	5.876899	1
6	3	15	67.4	1334	1025	6.750512	
7	3	15	53	1970	1908	8.63359	
8	2	15	84.4	1484		9.173636	
9	2	15	64.6	1184		9.825937	
10	1	15	99.4			11.330788	

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	12	66.5	1378		0.399419	
1	1	12	61.4			1.085126	
2	3	12	88	1085	1429	1.28603	
3	3	12	62.9	1746	1307	1.901615	
4	3	12	65.9	1801	1328	3.07841	
5	2	12	95.2	1914		3.239429	
6	1	12	53.4			4.012766	
7	2	12	96.9	1442		5.003403	
8	1	12	89.5			5.145514	
9	3	12	89.3	1652	1729	6.289893	1
10	2	12	85.9	1663		6.48195	
11	1	12	94			7.059255	
12	2	12	88.1	1339		7.837853	
13	1	12	97.7			8.82858	
14	2	12	75.7	1996		9.37082	
15	2	12	51.3	1824		9.710387	
16	2	12	51.2	1481		10.543001	
17	1	12	50.4			11.351277	
18	1	12	56.7			11.596078	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	60.1			0.713554	1
1	1	14	89.1			1.301027	
2	3	14	91.7	1969	1368	1.868501	
3	2	14	75.3	1665		2.782535	
4	2	14	58.5	1925		3.170495	
5	1	14	95.4			4.11433	
6	2	14	59.3	1409		4.638775	
7	1	14	89.8			5.749492	
8	2	14	62.8	1411		6.302478	
9	1	14	56.1			7.380208	
10	2	14	89.9	1454		7.634111	
11	1	14	57.8			8.402965	
12	2	14	55.6	1632		9.477124	
13	2	14	99.4	1803		10.488597	
14	3	14	98.6	1161	1032	10.83669	
15	2	14	50.9	1249		11.785413	

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	7	90	1906		0.443487	1
1	1	7	86.9			0.943958	
2	2	7	83.2	1414		2.531546	
3	1	7	57.4			3.010285	
4	1	7	77.2			3.783962	
5	2	7	59.3	1754		4.989345	
6	1	7	87.1			6.046658	
7	2	7	54.9	1108		6.814641	
8	3	7	50.8	1093	1853	7.587915	
9	1	7	81.5			8.532312	
10	3	7	68.8	1542	1406	9.95662	
11	3	7	57	1900	1514	10.349897	
12	1	7	93			11.666504	

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	72.2	1477	1767	0.381913	
1	2	19	92.9	1452		1.116408	
2	2	19	90	1427		1.414155	
3	1	19	71.6			2.457445	
4	1	19	62.4			2.746245	
5	3	19	81.2	1583	1377	3.359124	
6	3	19	82.4	1771	1395	4.193393	
7	1	19	85			4.885929	
8	1	19	90.1			5.519608	1
9	2	19	68.6	1229		6.165987	
10	2	19	56.9	1665		6.882255	
11	2	19	73.1	1414		7.42788	
12	2	19	99	1222		8.290137	
13	2	19	79.1	1592		9.275208	
14	1	19	76.3			9.380996	
15	2	19	80.5	1739		10.237621	
16	2	19	61.5	1025		10.75346	
17	2	19	80.9	1804		11.953099	

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	7	57.5	1972		0.053642	
1	2	7	93.5	1504		0.940406	
2	1	7	95.4			1.688355	
3	2	7	82.5	1493		2.556381	
4	2	7	77.6	1268		3.22789	
5	2	7	50.3	1343		3.79534	
6	2	7	74.4	1327		4.568722	
7	1	7	86.5			5.058094	
8	1	7	56.2			5.872353	1
9	2	7	76.2	1054		6.897791	
10	3	7	77	1797	1485	7.295963	
11	2	7	82.3	1362		8.32367	
12	2	7	78.6	1609		8.986327	
13	1	7	52.6			9.222913	
14	3	7	60.5	1788	1741	10.511807	
15	3	7	92.1	1390	1409	10.670803	
16	3	7	84.8	1342	1238	11.63033	

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	14	53.5	1695	1624	0.209412	
1	3	14	94.8	1096	1707	0.958255	
2	3	14	60.6	1367	1143	2.008718	
3	3	14	80	1704	1153	2.873044	
4	1	14	75.4			3.651346	
5	1	14	86.4			3.807483	
6	2	14	65.2	1277		4.552483	
7	2	14	89.5	1081		5.793608	
8	2	14	79.8	1334		6.13049	1
9	1	14	71.2			7.488745	
10	3	14	59.2	1307	1117	7.817421	
11	3	14	97.6	1917	1964	8.613042	
12	2	14	51.5	1908		9.163005	
13	3	14	94.3	1406	1109	10.05383	
14	2	14	64.7	1213		10.717716	
15	2	14	51.1	1022		11.980585	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	80.9	1416		0.608376	
1	1	11	63.8			0.756628	
2	2	11	61.4	1837		1.471563	
3	2	11	97.5	1167		2.169644	
4	1	11	69.1			3.462022	
5	2	11	55.2	1005		3.687223	
6	3	11	74.6	1490	1807	4.870704	
7	2	11	52.9	1449		5.003078	
8	2	11	50.1	1184		5.695721	1
9	1	11	58.1			6.601521	
10	2	11	56.4	1089		7.368155	
11	3	11	66.6	1887	1342	7.94872	
12	2	11	79.8	1711		8.63708	
13	1	11	69.6			9.249169	
14	2	11	51.5	1662		10.493484	
15	2	11	65.8	1465		11.190674	
16	3	11	64.9	1128	1083	11.419977	

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	19	91	1091	1039	0.75409	
1	2	19	52.3	1072		0.839378	
2	3	19	56.3	1345	1353	1.9975	
3	1	19	97.1			2.471609	
4	2	19	63.4	1495		3.204147	
5	3	19	82.8	1636	1463	4.435163	
6	2	19	59.8	1079		5.352887	
7	3	19	64.9	1317	1616	6.001435	1
8	3	19	64.2	1509	1812	7.011101	
9	3	19	70.4	1249	1408	7.227651	
10	1	19	78			8.160995	
11	3	19	60.9	1761	1576	9.237813	
12	3	19	97.5	1035	1704	10.29983	
13	2	19	83	1018		10.437474	
14	2	19	71.4	1586		11.841248	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	60.9	1832		0.832198	
1	1	17	88.8			2.331955	
2	2	17	92.8	1194		3.927572	
3	2	17	50.2	1500		4.539551	
4	2	17	53.9	1990		6.554512	1
5	3	17	51.5	1597	1806	7.36226	
6	1	17	90.3			8.353182	
7	3	17	71	1682	1286	9.398484	
8	1	17	69.9			11.941434	

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	8	90.6	1718	1260	0.620182	
1	2	8	83.7	1545		1.818685	
2	2	8	64.8	1326		2.615069	
3	1	8	79.5			3.822611	
4	2	8	67.6	1369		5.151697	
5	2	8	63.8	1327		6.470271	1
6	2	8	96.9	1768		7.506779	
7	2	8	74.9	1202		7.637345	
8	1	8	90.6			9.315371	
9	1	8	88.9			9.847023	
10	2	8	54.9	1997		11.408629	

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	7	97.8	1517	1876	0.010065	1
1	2	7	79.4	1811		1.689334	
2	1	7	54.9			2.290394	
3	1	7	64.2			2.664125	
4	2	7	67.8	1031		3.905552	
5	1	7	73.4			4.658172	
6	2	7	89.4	1706		5.457256	
7	2	7	63.1	1631		6.734307	
8	2	7	79.9	1668		7.00567	
9	1	7	91.5			8.402646	
10	3	7	71.2	1270	1216	9.056759	
11	2	7	90.1	1727		9.851147	
12	1	7	62.4			11.074076	
13	2	7	66.1	1137		11.673515	

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	99.2	1329		0.421131	1
1	3	10	84.9	1643	1359	1.222286	
2	3	10	53.7	1273	1681	2.274563	
3	2	10	93.8	1991		2.51946	
4	2	10	57.3	1503		3.681856	
5	3	10	56	1083	1374	4.488665	
6	2	10	94.6	1824		4.923539	
7	1	10	79.2			6.273977	
8	2	10	95.8	1821		7.109542	
9	3	10	90.5	1464	1836	7.752587	
10	3	10	76.1	1020	1567	8.176931	
11	2	10	64.1	1479		9.583541	
12	3	10	55.8	1852	1010	10.077786	
13	1	10	55			10.968067	
14	2	10	66.6	1034		11.591974	

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	13	69.6	1854	1424	0.679703	1
1	1	13	80.8			1.83482	
2	2	13	52.1	1938		2.826426	
3	2	13	50.2	1671		4.045849	
4	2	13	87.7	1887		6.474103	
5	1	13	71.6			6.780386	
6	2	13	95	1190		9.268086	
7	1	13	65			9.831038	
8	1	13	89.4			11.257363	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	92	1106		0.051505	1
1	2	16	69.6	1920		1.515369	
2	2	16	57.4	1514		2.414119	
3	1	16	88.9			2.683237	
4	1	16	58.4			3.5368	
5	1	16	62.7			4.527274	
6	3	16	61.9	1047	1705	5.624073	
7	3	16	67.3	1569	1817	6.119963	
8	3	16	82.7	1046	1007	7.597417	
9	2	16	56.9	1844		7.973804	
10	2	16	82.7	1122		9.214552	
11	1	16	57.8			9.694211	
12	2	16	80.6	1072		10.854285	
13	2	16	87.6	1220		11.923589	

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	6	78.2			0.688121	
1	2	6	62.5	1034		1.409136	
2	2	6	74.7	1680		2.840178	
3	2	6	66.7	1024		5.084448	
4	1	6	66.4			6.351725	1
5	2	6	50.7	1225		7.195344	
6	3	6	82.9	1842	1146	9.307468	
7	2	6	98.3	1033		10.508472	
8	1	6	62.8			11.722169	

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	64.4	1275	1207	0.019221	
1	3	16	57.1	1253	1042	1.105806	
2	1	16	84.8			1.498915	
3	2	16	61.7	1329		2.1228	
4	3	16	65.3	1134	1902	2.713082	
5	2	16	56.5	1202		3.529895	
6	2	16	75.8	1057		3.638337	
7	3	16	95.5	1129	1511	4.22575	
8	2	16	90.3	1305		4.88926	
9	2	16	93.5	1974		5.670109	
10	1	16	84.6			6.41509	1
11	2	16	89.1	1535		6.601861	
12	1	16	98.7			7.789018	
13	1	16	79.1			8.340372	
14	1	16	65.1			8.92685	
15	2	16	67.6	1715		9.294185	
16	2	16	81.7	1655		10.000082	
17	1	16	69.4			10.784458	
18	1	16	56.1			10.845666	
19	1	16	66.4			11.518841	

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	5704.0, 5562.0, 5302.0, 5623.0, 5598.0, 5353.0, 5380.0, 5251.0, 5676.0, 5672.0, 5669.0, 5579.0, 5306.0, 5481.0, 5624.0, 5257.0, 5294.0, 5390.0, 5430.0, 5323.0, 5692.0, 5284.0, 5312.0, 5319.0, 5414.0, 5546.0, 5577.0, 5714.0, 5639.0, 5600.0, 5275.0, 5253.0, 5708.0, 5403.0, 5272.0, 5382.0, 5503.0, 5355.0, 5472.0, 5496.0, 5439.0, 5540.0, 5278.0, 5427.0, 5618.0, 5685.0, 5686.0, 5499.0, 5551.0, 5457.0, 5486.0, 5548.0, 5675.0, 5329.0, 5631.0, 5334.0, 5507.0, 5447.0, 5609.0, 5352.0, 5377.0, 5701.0, 5350.0, 5515.0, 5629.0, 5630.0, 5296.0, 5559.0, 5432.0, 5651.0, 5557.0, 5573.0, 5315.0, 5309.0, 5636.0, 5428.0, 5504.0, 5328.0, 5366.0, 5509.0, 5474.0, 5393.0, 5590.0, 5634.0, 5470.0, 5473.0, 5365.0, 5351.0, 5543.0, 5434.0, 5544.0, 5501.0, 5404.0, 5497.0, 5599.0, 5527.0, 5601.0, 5673.0, 5721.0, 5258.0 (number of hits: 19)
2	5530	9	1	333	1	5309.0, 5527.0, 5342.0, 5617.0, 5473.0, 5318.0, 5501.0, 5713.0, 5498.0, 5672.0, 5504.0, 5430.0, 5269.0, 5369.0, 5442.0, 5483.0, 5643.0, 5466.0, 5523.0, 5558.0, 5556.0, 5721.0, 5539.0, 5648.0, 5317.0, 5334.0, 5376.0, 5329.0, 5655.0, 5487.0, 5339.0, 5570.0, 5464.0, 5370.0, 5388.0, 5343.0, 5652.0, 5705.0, 5336.0, 5631.0, 5618.0, 5654.0, 5489.0, 5406.0, 5690.0, 5521.0, 5634.0, 5333.0, 5584.0, 5642.0, 5518.0, 5667.0, 5338.0, 5472.0, 5419.0, 5561.0, 5348.0, 5257.0, 5270.0, 5304.0, 5367.0, 5659.0, 5593.0, 5605.0, 5265.0, 5468.0, 5399.0, 5410.0, 5306.0, 5313.0, 5611.0, 5502.0, 5350.0, 5253.0, 5254.0, 5569.0, 5345.0, 5625.0, 5582.0, 5653.0, 5264.0, 5381.0, 5699.0, 5686.0, 5681.0, 5696.0, 5671.0, 5649.0, 5315.0, 5491.0, 5455.0, 5622.0, 5594.0, 5344.0, 5562.0, 5597.0, 5557.0, 5431.0, 5465.0, 5572.0 (number of hits: 16)
3	5530	9	1	333	1	5480.0, 5361.0, 5695.0, 5676.0, 5623.0, 5465.0, 5580.0, 5400.0, 5416.0, 5456.0, 5421.0, 5525.0, 5296.0, 5269.0, 5503.0, 5457.0, 5619.0, 5582.0, 5644.0, 5490.0, 5506.0, 5679.0, 5625.0, 5705.0, 5597.0, 5458.0, 5654.0, 5544.0, 5274.0, 5477.0, 5528.0, 5460.0, 5633.0, 5431.0, 5289.0, 5331.0, 5578.0, 5492.0, 5495.0, 5339.0, 5657.0, 5449.0, 5555.0, 5628.0, 5329.0, 5602.0, 5300.0, 5411.0, 5358.0, 5682.0, 5584.0, 5402.0, 5553.0, 5505.0, 5435.0,

						5475.0, 5440.0, 5626.0, 5589.0, 5363.0, 5278.0, 5577.0, 5482.0, 5462.0, 5250.0, 5520.0, 5295.0, 5670.0, 5262.0, 5534.0, 5347.0, 5486.0, 5264.0, 5507.0, 5716.0, 5662.0, 5469.0, 5423.0, 5258.0, 5415.0, 5568.0, 5282.0, 5521.0, 5630.0, 5497.0, 5656.0, 5287.0, 5510.0, 5318.0, 5371.0, 5697.0, 5563.0, 5354.0, 5690.0, 5683.0, 5609.0, 5723.0, 5353.0, 5594.0, 5635.0 (number of hits: 19)
4	5530	9	1	333	1	5277.0, 5288.0, 5676.0, 5343.0, 5581.0, 5292.0, 5394.0, 5464.0, 5440.0, 5303.0, 5575.0, 5442.0, 5306.0, 5622.0, 5461.0, 5554.0, 5580.0, 5443.0, 5523.0, 5495.0, 5403.0, 5385.0, 5373.0, 5654.0, 5479.0, 5486.0, 5329.0, 5392.0, 5462.0, 5557.0, 5711.0, 5425.0, 5375.0, 5665.0, 5314.0, 5361.0, 5334.0, 5568.0, 5693.0, 5390.0, 5544.0, 5310.0, 5632.0, 5369.0, 5529.0, 5257.0, 5545.0, 5717.0, 5404.0, 5426.0, 5516.0, 5534.0, 5263.0, 5493.0, 5689.0, 5463.0, 5625.0, 5354.0, 5666.0, 5449.0, 5296.0, 5582.0, 5542.0, 5264.0, 5270.0, 5530.0, 5319.0, 5663.0, 5566.0, 5594.0, 5438.0, 5446.0, 5691.0, 5324.0, 5302.0, 5635.0, 5430.0, 5447.0, 5679.0, 5305.0, 5311.0, 5531.0, 5349.0, 5386.0, 5325.0, 5501.0, 5417.0, 5543.0, 5721.0, 5528.0, 5526.0, 5274.0, 5395.0, 5556.0, 5686.0, 5299.0, 5699.0, 5271.0, 5547.0, 5564.0 (number of hits: 22)
5	5530	9	1	333	1	5293.0, 5677.0, 5503.0, 5468.0, 5588.0, 5690.0, 5369.0, 5606.0, 5388.0, 5563.0, 5409.0, 5547.0, 5647.0, 5350.0, 5613.0, 5644.0, 5325.0, 5282.0, 5436.0, 5533.0, 5284.0, 5668.0, 5669.0, 5671.0, 5615.0, 5450.0, 5614.0, 5332.0, 5715.0, 5546.0, 5702.0, 5518.0, 5263.0, 5502.0, 5470.0, 5532.0, 5460.0, 5703.0, 5313.0, 5448.0, 5326.0, 5361.0, 5404.0, 5571.0, 5307.0, 5500.0, 5596.0, 5477.0, 5428.0, 5719.0, 5296.0, 5262.0, 5646.0, 5453.0, 5556.0, 5555.0, 5351.0, 5663.0, 5706.0, 5375.0, 5582.0, 5714.0, 5724.0, 5657.0, 5722.0, 5557.0, 5389.0, 5373.0, 5623.0, 5604.0, 5371.0, 5424.0, 5383.0, 5255.0, 5417.0, 5526.0, 5515.0, 5711.0, 5709.0, 5639.0, 5377.0, 5490.0, 5653.0, 5403.0, 5529.0, 5451.0, 5655.0, 5303.0, 5357.0, 5254.0, 5390.0, 5504.0, 5485.0, 5306.0, 5264.0, 5443.0, 5394.0, 5396.0, 5305.0, 5446.0 (number of hits: 17)
6	5530	9	1	333	1	5299.0, 5398.0, 5272.0, 5650.0, 5676.0, 5549.0, 5596.0, 5347.0, 5671.0, 5578.0, 5461.0, 5339.0, 5587.0, 5667.0, 5369.0, 5476.0, 5375.0, 5258.0, 5659.0, 5395.0, 5600.0, 5582.0, 5592.0, 5271.0, 5655.0, 5645.0, 5708.0, 5323.0, 5441.0, 5367.0, 5656.0, 5373.0, 5615.0, 5334.0, 5449.0,

						5487.0, 5623.0, 5684.0, 5511.0, 5470.0, 5468.0, 5297.0, 5270.0, 5316.0, 5415.0, 5529.0, 5490.0, 5570.0, 5611.0, 5397.0, 5593.0, 5521.0, 5302.0, 5558.0, 5501.0, 5550.0, 5705.0, 5696.0, 5381.0, 5437.0, 5510.0, 5509.0, 5699.0, 5353.0, 5532.0, 5682.0, 5308.0, 5607.0, 5622.0, 5606.0, 5327.0, 5469.0, 5658.0, 5279.0, 5575.0, 5595.0, 5678.0, 5296.0, 5332.0, 5626.0, 5543.0, 5514.0, 5431.0, 5537.0, 5444.0, 5635.0, 5636.0, 5418.0, 5377.0, 5669.0, 5642.0, 5252.0, 5718.0, 5598.0, 5341.0, 5657.0, 5412.0, 5533.0, 5388.0, 5382.0 (number of hits: 15)
7	5530	9	1	333	1	5484.0, 5344.0, 5651.0, 5376.0, 5524.0, 5469.0, 5267.0, 5355.0, 5602.0, 5429.0, 5451.0, 5561.0, 5598.0, 5490.0, 5577.0, 5722.0, 5328.0, 5615.0, 5262.0, 5400.0, 5658.0, 5388.0, 5594.0, 5380.0, 5516.0, 5255.0, 5505.0, 5374.0, 5331.0, 5371.0, 5361.0, 5347.0, 5285.0, 5566.0, 5647.0, 5588.0, 5610.0, 5283.0, 5715.0, 5389.0, 5472.0, 5619.0, 5587.0, 5446.0, 5521.0, 5334.0, 5470.0, 5422.0, 5549.0, 5258.0, 5271.0, 5365.0, 5396.0, 5461.0, 5622.0, 5525.0, 5471.0, 5665.0, 5528.0, 5656.0, 5673.0, 5697.0, 5281.0, 5644.0, 5536.0, 5538.0, 5693.0, 5604.0, 5585.0, 5527.0, 5276.0, 5428.0, 5450.0, 5564.0, 5475.0, 5582.0, 5570.0, 5264.0, 5638.0, 5457.0, 5654.0, 5481.0, 5616.0, 5288.0, 5676.0, 5712.0, 5316.0, 5508.0, 5688.0, 5329.0, 5360.0, 5578.0, 5637.0, 5600.0, 5298.0, 5350.0, 5627.0, 5314.0, 5653.0, 5531.0 (number of hits: 16)
8	5530	9	1	333	1	5404.0, 5441.0, 5584.0, 5447.0, 5343.0, 5625.0, 5722.0, 5255.0, 5400.0, 5422.0, 5266.0, 5688.0, 5344.0, 5677.0, 5503.0, 5279.0, 5723.0, 5291.0, 5703.0, 5445.0, 5510.0, 5457.0, 5333.0, 5502.0, 5613.0, 5616.0, 5399.0, 5394.0, 5624.0, 5310.0, 5669.0, 5600.0, 5257.0, 5631.0, 5661.0, 5718.0, 5579.0, 5337.0, 5656.0, 5437.0, 5648.0, 5334.0, 5548.0, 5305.0, 5456.0, 5315.0, 5481.0, 5392.0, 5593.0, 5253.0, 5364.0, 5492.0, 5348.0, 5535.0, 5410.0, 5329.0, 5519.0, 5498.0, 5546.0, 5667.0, 5311.0, 5713.0, 5339.0, 5286.0, 5514.0, 5665.0, 5325.0, 5427.0, 5640.0, 5512.0, 5377.0, 5658.0, 5607.0, 5686.0, 5320.0, 5485.0, 5483.0, 5569.0, 5469.0, 5715.0, 5629.0, 5472.0, 5531.0, 5560.0, 5649.0, 5370.0, 5435.0, 5494.0, 5281.0, 5450.0, 5553.0, 5552.0, 5289.0, 5591.0, 5577.0, 5265.0, 5407.0, 5358.0, 5659.0, 5317.0 (number of hits: 17)
9	5530	9	1	333	1	5528.0, 5479.0, 5326.0, 5274.0, 5338.0, 5703.0, 5444.0, 5470.0, 5694.0, 5384.0, 5704.0, 5505.0, 5707.0, 5350.0, 5449.0,

						5306.0, 5605.0, 5480.0, 5299.0, 5722.0, 5254.0, 5292.0, 5675.0, 5406.0, 5590.0, 5335.0, 5447.0, 5555.0, 5408.0, 5629.0, 5367.0, 5651.0, 5432.0, 5495.0, 5441.0, 5451.0, 5437.0, 5253.0, 5369.0, 5502.0, 5378.0, 5580.0, 5261.0, 5392.0, 5618.0, 5345.0, 5657.0, 5428.0, 5679.0, 5440.0, 5647.0, 5380.0, 5342.0, 5671.0, 5427.0, 5309.0, 5473.0, 5683.0, 5663.0, 5503.0, 5351.0, 5325.0, 5468.0, 5619.0, 5698.0, 5537.0, 5662.0, 5591.0, 5471.0, 5644.0, 5290.0, 5574.0, 5438.0, 5617.0, 5410.0, 5395.0, 5377.0, 5419.0, 5461.0, 5642.0, 5466.0, 5308.0, 5523.0, 5620.0, 5594.0, 5670.0, 5312.0, 5626.0, 5289.0, 5463.0, 5583.0, 5355.0, 5373.0, 5321.0, 5630.0, 5264.0, 5524.0, 5272.0, 5564.0, 5362.0 (number of hits: 10)
10	5530	9	1	333	1	5438.0, 5586.0, 5430.0, 5710.0, 5305.0, 5683.0, 5260.0, 5525.0, 5635.0, 5651.0, 5698.0, 5321.0, 5521.0, 5662.0, 5273.0, 5617.0, 5708.0, 5256.0, 5516.0, 5317.0, 5316.0, 5490.0, 5665.0, 5501.0, 5583.0, 5507.0, 5328.0, 5596.0, 5494.0, 5437.0, 5621.0, 5633.0, 5697.0, 5654.0, 5371.0, 5615.0, 5699.0, 5344.0, 5630.0, 5685.0, 5546.0, 5429.0, 5367.0, 5655.0, 5648.0, 5277.0, 5604.0, 5262.0, 5271.0, 5529.0, 5640.0, 5496.0, 5258.0, 5502.0, 5626.0, 5383.0, 5444.0, 5598.0, 5313.0, 5415.0, 5518.0, 5614.0, 5479.0, 5495.0, 5350.0, 5584.0, 5719.0, 5436.0, 5346.0, 5542.0, 5713.0, 5304.0, 5572.0, 5569.0, 5411.0, 5381.0, 5627.0, 5469.0, 5467.0, 5480.0, 5684.0, 5449.0, 5679.0, 5396.0, 5443.0, 5400.0, 5541.0, 5459.0, 5421.0, 5288.0, 5601.0, 5338.0, 5387.0, 5423.0, 5486.0, 5302.0, 5612.0, 5693.0, 5395.0, 5609.0 (number of hits: 16)
11	5530	9	1	333	1	5321.0, 5702.0, 5274.0, 5608.0, 5372.0, 5285.0, 5633.0, 5605.0, 5277.0, 5626.0, 5693.0, 5565.0, 5721.0, 5392.0, 5458.0, 5711.0, 5414.0, 5519.0, 5522.0, 5341.0, 5399.0, 5403.0, 5349.0, 5500.0, 5491.0, 5390.0, 5385.0, 5353.0, 5538.0, 5396.0, 5666.0, 5348.0, 5289.0, 5686.0, 5537.0, 5620.0, 5282.0, 5294.0, 5561.0, 5595.0, 5635.0, 5251.0, 5311.0, 5436.0, 5622.0, 5355.0, 5713.0, 5424.0, 5683.0, 5575.0, 5675.0, 5716.0, 5314.0, 5574.0, 5634.0, 5356.0, 5584.0, 5377.0, 5628.0, 5658.0, 5411.0, 5583.0, 5687.0, 5671.0, 5632.0, 5421.0, 5694.0, 5276.0, 5520.0, 5594.0, 5593.0, 5362.0, 5374.0, 5323.0, 5673.0, 5253.0, 5541.0, 5600.0, 5334.0, 5435.0, 5659.0, 5263.0, 5363.0, 5423.0, 5559.0, 5295.0, 5480.0, 5592.0, 5614.0, 5371.0, 5599.0, 5624.0, 5560.0, 5521.0, 5298.0, 5597.0, 5404.0, 5611.0, 5553.0, 5722.0

						(number of hits: 14)
12	5530	9	1	333	1	5649.0, 5264.0, 5676.0, 5590.0, 5651.0, 5648.0, 5610.0, 5357.0, 5343.0, 5324.0, 5513.0, 5574.0, 5308.0, 5710.0, 5334.0, 5307.0, 5532.0, 5689.0, 5414.0, 5257.0, 5711.0, 5397.0, 5262.0, 5442.0, 5683.0, 5562.0, 5544.0, 5250.0, 5692.0, 5709.0, 5594.0, 5641.0, 5380.0, 5699.0, 5528.0, 5454.0, 5388.0, 5589.0, 5698.0, 5305.0, 5286.0, 5500.0, 5376.0, 5492.0, 5358.0, 5561.0, 5668.0, 5449.0, 5608.0, 5495.0, 5603.0, 5448.0, 5553.0, 5360.0, 5431.0, 5546.0, 5300.0, 5266.0, 5591.0, 5570.0, 5554.0, 5578.0, 5636.0, 5359.0, 5531.0, 5272.0, 5354.0, 5445.0, 5607.0, 5385.0, 5624.0, 5398.0, 5440.0, 5430.0, 5703.0, 5282.0, 5633.0, 5697.0, 5340.0, 5670.0, 5362.0, 5667.0, 5536.0, 5595.0, 5337.0, 5281.0, 5669.0, 5575.0, 5426.0, 5283.0, 5391.0, 5677.0, 5363.0, 5278.0, 5271.0, 5609.0, 5473.0, 5273.0, 5356.0, 5349.0 (number of hits: 14)
13	5530	9	1	333	1	5366.0, 5690.0, 5554.0, 5712.0, 5516.0, 5643.0, 5466.0, 5644.0, 5697.0, 5618.0, 5700.0, 5261.0, 5382.0, 5335.0, 5551.0, 5510.0, 5311.0, 5492.0, 5498.0, 5304.0, 5571.0, 5705.0, 5706.0, 5514.0, 5413.0, 5391.0, 5478.0, 5309.0, 5438.0, 5628.0, 5582.0, 5517.0, 5485.0, 5443.0, 5403.0, 5686.0, 5303.0, 5318.0, 5315.0, 5414.0, 5621.0, 5668.0, 5487.0, 5663.0, 5611.0, 5352.0, 5605.0, 5575.0, 5506.0, 5638.0, 5572.0, 5425.0, 5344.0, 5501.0, 5567.0, 5604.0, 5416.0, 5327.0, 5490.0, 5463.0, 5324.0, 5718.0, 5636.0, 5339.0, 5400.0, 5426.0, 5408.0, 5310.0, 5570.0, 5448.0, 5552.0, 5586.0, 5278.0, 5369.0, 5629.0, 5433.0, 5548.0, 5721.0, 5592.0, 5566.0, 5612.0, 5461.0, 5608.0, 5587.0, 5446.0, 5260.0, 5717.0, 5255.0, 5262.0, 5520.0, 5263.0, 5615.0, 5544.0, 5617.0, 5500.0, 5597.0, 5558.0, 5561.0, 5328.0, 5637.0 (number of hits: 20)
14	5530	9	1	333	1	5560.0, 5339.0, 5269.0, 5485.0, 5628.0, 5496.0, 5353.0, 5612.0, 5683.0, 5263.0, 5469.0, 5328.0, 5546.0, 5645.0, 5453.0, 5705.0, 5566.0, 5593.0, 5693.0, 5338.0, 5281.0, 5686.0, 5377.0, 5700.0, 5266.0, 5685.0, 5413.0, 5403.0, 5554.0, 5631.0, 5381.0, 5589.0, 5570.0, 5483.0, 5709.0, 5678.0, 5575.0, 5392.0, 5264.0, 5606.0, 5518.0, 5460.0, 5395.0, 5684.0, 5514.0, 5547.0, 5550.0, 5498.0, 5520.0, 5527.0, 5545.0, 5349.0, 5342.0, 5605.0, 5635.0, 5393.0, 5563.0, 5341.0, 5622.0, 5327.0, 5472.0, 5406.0, 5373.0, 5653.0, 5363.0, 5641.0, 5287.0, 5326.0, 5535.0, 5423.0, 5672.0, 5540.0, 5371.0, 5396.0, 5501.0, 5458.0, 5295.0, 5713.0, 5584.0, 5441.0,

						5586.0, 5718.0, 5504.0, 5579.0, 5348.0, 5329.0, 5660.0, 5488.0, 5409.0, 5627.0, 5597.0, 5511.0, 5388.0, 5300.0, 5573.0, 5448.0, 5708.0, 5675.0, 5722.0, 5543.0 (number of hits: 20)
15	5530	9	1	333	1	5572.0, 5323.0, 5566.0, 5349.0, 5340.0, 5599.0, 5458.0, 5609.0, 5616.0, 5652.0, 5468.0, 5600.0, 5251.0, 5462.0, 5321.0, 5606.0, 5326.0, 5257.0, 5723.0, 5355.0, 5534.0, 5550.0, 5693.0, 5284.0, 5294.0, 5516.0, 5335.0, 5648.0, 5631.0, 5562.0, 5254.0, 5283.0, 5298.0, 5422.0, 5439.0, 5542.0, 5424.0, 5365.0, 5271.0, 5659.0, 5441.0, 5289.0, 5563.0, 5721.0, 5702.0, 5581.0, 5700.0, 5653.0, 5597.0, 5605.0, 5603.0, 5388.0, 5589.0, 5420.0, 5275.0, 5667.0, 5403.0, 5412.0, 5375.0, 5464.0, 5493.0, 5532.0, 5528.0, 5656.0, 5440.0, 5647.0, 5657.0, 5402.0, 5389.0, 5258.0, 5691.0, 5352.0, 5548.0, 5709.0, 5291.0, 5719.0, 5309.0, 5449.0, 5306.0, 5622.0, 5450.0, 5576.0, 5621.0, 5262.0, 5559.0, 5634.0, 5508.0, 5503.0, 5651.0, 5510.0, 5475.0, 5331.0, 5426.0, 5680.0, 5338.0, 5695.0, 5496.0, 5376.0, 5645.0, 5263.0 (number of hits: 16)
16	5530	9	1	333	1	5451.0, 5538.0, 5520.0, 5555.0, 5484.0, 5395.0, 5722.0, 5718.0, 5300.0, 5561.0, 5334.0, 5345.0, 5267.0, 5493.0, 5623.0, 5408.0, 5610.0, 5382.0, 5263.0, 5281.0, 5326.0, 5342.0, 5664.0, 5712.0, 5308.0, 5612.0, 5558.0, 5264.0, 5274.0, 5401.0, 5275.0, 5559.0, 5348.0, 5474.0, 5312.0, 5500.0, 5497.0, 5319.0, 5464.0, 5450.0, 5536.0, 5711.0, 5302.0, 5519.0, 5254.0, 5468.0, 5720.0, 5703.0, 5257.0, 5620.0, 5626.0, 5266.0, 5579.0, 5318.0, 5588.0, 5358.0, 5377.0, 5379.0, 5671.0, 5371.0, 5467.0, 5584.0, 5652.0, 5721.0, 5499.0, 5716.0, 5299.0, 5321.0, 5576.0, 5601.0, 5628.0, 5525.0, 5501.0, 5289.0, 5419.0, 5463.0, 5709.0, 5672.0, 5310.0, 5370.0, 5531.0, 5396.0, 5650.0, 5389.0, 5380.0, 5511.0, 5606.0, 5598.0, 5713.0, 5402.0, 5702.0, 5695.0, 5557.0, 5577.0, 5437.0, 5694.0, 5343.0, 5611.0, 5543.0, 5453.0 (number of hits: 18)
17	5530	9	1	333	1	5322.0, 5379.0, 5693.0, 5469.0, 5295.0, 5450.0, 5355.0, 5455.0, 5574.0, 5634.0, 5298.0, 5581.0, 5397.0, 5376.0, 5344.0, 5482.0, 5447.0, 5413.0, 5362.0, 5266.0, 5331.0, 5664.0, 5350.0, 5516.0, 5531.0, 5394.0, 5642.0, 5358.0, 5698.0, 5370.0, 5338.0, 5282.0, 5279.0, 5569.0, 5600.0, 5596.0, 5720.0, 5548.0, 5453.0, 5419.0, 5328.0, 5424.0, 5637.0, 5309.0, 5391.0, 5263.0, 5705.0, 5360.0, 5649.0, 5356.0, 5577.0, 5585.0, 5472.0, 5496.0, 5532.0, 5285.0, 5609.0, 5633.0, 5716.0, 5583.0,

						5471.0, 5324.0, 5327.0, 5530.0, 5251.0, 5329.0, 5485.0, 5302.0, 5543.0, 5401.0, 5458.0, 5359.0, 5291.0, 5510.0, 5556.0, 5721.0, 5346.0, 5594.0, 5477.0, 5671.0, 5629.0, 5659.0, 5347.0, 5648.0, 5340.0, 5618.0, 5333.0, 5281.0, 5699.0, 5628.0, 5571.0, 5514.0, 5443.0, 5697.0, 5643.0, 5262.0, 5545.0, 5308.0, 5306.0, 5474.0 (number of hits: 12)
18	5530	9	1	333	1	5640.0, 5611.0, 5481.0, 5351.0, 5358.0, 5257.0, 5340.0, 5710.0, 5365.0, 5322.0, 5508.0, 5663.0, 5591.0, 5649.0, 5602.0, 5381.0, 5537.0, 5424.0, 5722.0, 5450.0, 5378.0, 5290.0, 5440.0, 5418.0, 5568.0, 5389.0, 5641.0, 5528.0, 5390.0, 5562.0, 5668.0, 5281.0, 5313.0, 5706.0, 5509.0, 5680.0, 5575.0, 5401.0, 5316.0, 5370.0, 5548.0, 5551.0, 5414.0, 5517.0, 5459.0, 5662.0, 5437.0, 5396.0, 5320.0, 5704.0, 5303.0, 5580.0, 5688.0, 5538.0, 5274.0, 5276.0, 5526.0, 5552.0, 5654.0, 5614.0, 5628.0, 5549.0, 5307.0, 5334.0, 5507.0, 5324.0, 5456.0, 5635.0, 5273.0, 5483.0, 5637.0, 5282.0, 5293.0, 5716.0, 5682.0, 5598.0, 5372.0, 5684.0, 5348.0, 5650.0, 5315.0, 5346.0, 5627.0, 5266.0, 5464.0, 5457.0, 5709.0, 5645.0, 5262.0, 5500.0, 5693.0, 5357.0, 5714.0, 5458.0, 5470.0, 5388.0, 5600.0, 5485.0, 5427.0, 5595.0 (number of hits: 15)
19	5530	9	1	333	1	5299.0, 5417.0, 5722.0, 5253.0, 5345.0, 5377.0, 5530.0, 5286.0, 5320.0, 5460.0, 5342.0, 5602.0, 5611.0, 5524.0, 5626.0, 5465.0, 5669.0, 5331.0, 5353.0, 5357.0, 5544.0, 5645.0, 5336.0, 5560.0, 5334.0, 5364.0, 5694.0, 5338.0, 5646.0, 5416.0, 5518.0, 5394.0, 5263.0, 5497.0, 5335.0, 5632.0, 5402.0, 5584.0, 5686.0, 5297.0, 5461.0, 5273.0, 5573.0, 5396.0, 5513.0, 5550.0, 5631.0, 5419.0, 5379.0, 5709.0, 5543.0, 5376.0, 5689.0, 5450.0, 5516.0, 5329.0, 5643.0, 5521.0, 5305.0, 5350.0, 5593.0, 5458.0, 5448.0, 5409.0, 5627.0, 5365.0, 5318.0, 5608.0, 5679.0, 5578.0, 5701.0, 5620.0, 5277.0, 5420.0, 5588.0, 5662.0, 5487.0, 5569.0, 5494.0, 5287.0, 5568.0, 5504.0, 5541.0, 5654.0, 5537.0, 5628.0, 5274.0, 5384.0, 5380.0, 5472.0, 5271.0, 5529.0, 5293.0, 5639.0, 5621.0, 5355.0, 5531.0, 5303.0, 5634.0, 5266.0 (number of hits: 19)
20	5530	9	1	333	1	5549.0, 5307.0, 5463.0, 5311.0, 5363.0, 5276.0, 5554.0, 5409.0, 5532.0, 5394.0, 5255.0, 5658.0, 5406.0, 5330.0, 5469.0, 5607.0, 5716.0, 5709.0, 5613.0, 5647.0, 5519.0, 5643.0, 5291.0, 5572.0, 5722.0, 5612.0, 5403.0, 5543.0, 5456.0, 5323.0, 5507.0, 5522.0, 5625.0, 5461.0, 5458.0, 5341.0, 5496.0, 5285.0, 5279.0, 5336.0,

						5706.0, 5557.0, 5481.0, 5529.0, 5639.0, 5349.0, 5371.0, 5588.0, 5535.0, 5603.0, 5355.0, 5450.0, 5342.0, 5268.0, 5263.0, 5455.0, 5594.0, 5404.0, 5540.0, 5642.0, 5559.0, 5454.0, 5673.0, 5383.0, 5539.0, 5606.0, 5702.0, 5345.0, 5331.0, 5655.0, 5298.0, 5473.0, 5628.0, 5495.0, 5711.0, 5301.0, 5348.0, 5609.0, 5718.0, 5373.0, 5567.0, 5262.0, 5626.0, 5332.0, 5290.0, 5417.0, 5661.0, 5346.0, 5667.0, 5484.0, 5645.0, 5449.0, 5657.0, 5259.0, 5581.0, 5555.0, 5611.0, 5589.0, 5447.0, 5637.0 (number of hits: 17)
21	5530	9	1	333	1	5574.0, 5519.0, 5342.0, 5495.0, 5293.0, 5709.0, 5267.0, 5382.0, 5543.0, 5465.0, 5523.0, 5474.0, 5388.0, 5260.0, 5322.0, 5508.0, 5542.0, 5279.0, 5585.0, 5290.0, 5271.0, 5324.0, 5256.0, 5714.0, 5532.0, 5629.0, 5550.0, 5277.0, 5688.0, 5643.0, 5348.0, 5676.0, 5712.0, 5301.0, 5471.0, 5496.0, 5584.0, 5332.0, 5387.0, 5548.0, 5391.0, 5385.0, 5694.0, 5613.0, 5692.0, 5658.0, 5458.0, 5381.0, 5630.0, 5534.0, 5274.0, 5443.0, 5403.0, 5684.0, 5594.0, 5430.0, 5524.0, 5619.0, 5336.0, 5685.0, 5374.0, 5705.0, 5463.0, 5295.0, 5303.0, 5656.0, 5507.0, 5311.0, 5287.0, 5517.0, 5327.0, 5262.0, 5665.0, 5583.0, 5252.0, 5380.0, 5516.0, 5435.0, 5546.0, 5308.0, 5569.0, 5535.0, 5417.0, 5600.0, 5502.0, 5436.0, 5664.0, 5422.0, 5512.0, 5621.0, 5331.0, 5379.0, 5253.0, 5261.0, 5554.0, 5299.0, 5708.0, 5591.0, 5636.0, 5562.0 (number of hits: 22)
22	5530	9	1	333	1	5538.0, 5624.0, 5580.0, 5417.0, 5718.0, 5357.0, 5522.0, 5534.0, 5699.0, 5448.0, 5384.0, 5607.0, 5700.0, 5370.0, 5333.0, 5664.0, 5567.0, 5541.0, 5675.0, 5421.0, 5360.0, 5604.0, 5711.0, 5308.0, 5561.0, 5540.0, 5272.0, 5570.0, 5454.0, 5585.0, 5396.0, 5400.0, 5491.0, 5710.0, 5578.0, 5551.0, 5527.0, 5523.0, 5468.0, 5673.0, 5636.0, 5303.0, 5617.0, 5414.0, 5498.0, 5379.0, 5361.0, 5369.0, 5590.0, 5571.0, 5520.0, 5542.0, 5674.0, 5393.0, 5485.0, 5463.0, 5637.0, 5354.0, 5676.0, 5666.0, 5298.0, 5689.0, 5543.0, 5426.0, 5533.0, 5453.0, 5629.0, 5613.0, 5286.0, 5715.0, 5548.0, 5615.0, 5352.0, 5435.0, 5264.0, 5313.0, 5514.0, 5569.0, 5556.0, 5432.0, 5389.0, 5563.0, 5511.0, 5306.0, 5582.0, 5450.0, 5602.0, 5639.0, 5385.0, 5465.0, 5311.0, 5531.0, 5619.0, 5458.0, 5684.0, 5265.0, 5429.0, 5378.0, 5460.0, 5609.0 (number of hits: 23)
23	5530	9	1	333	1	5328.0, 5535.0, 5443.0, 5261.0, 5621.0, 5705.0, 5389.0, 5671.0, 5661.0, 5605.0, 5292.0, 5563.0, 5511.0, 5488.0, 5259.0, 5619.0, 5451.0, 5433.0, 5459.0, 5713.0,

						5597.0, 5267.0, 5609.0, 5577.0, 5668.0, 5574.0, 5438.0, 5397.0, 5268.0, 5524.0, 5494.0, 5381.0, 5640.0, 5562.0, 5449.0, 5680.0, 5647.0, 5576.0, 5315.0, 5626.0, 5347.0, 5361.0, 5704.0, 5528.0, 5517.0, 5466.0, 5695.0, 5644.0, 5686.0, 5415.0, 5656.0, 5587.0, 5310.0, 5479.0, 5706.0, 5308.0, 5718.0, 5505.0, 5251.0, 5474.0, 5473.0, 5560.0, 5298.0, 5525.0, 5521.0, 5332.0, 5568.0, 5258.0, 5486.0, 5348.0, 5529.0, 5698.0, 5383.0, 5504.0, 5354.0, 5542.0, 5470.0, 5359.0, 5278.0, 5457.0, 5272.0, 5607.0, 5646.0, 5450.0, 5255.0, 5526.0, 5362.0, 5387.0, 5388.0, 5553.0, 5588.0, 5623.0, 5565.0, 5539.0, 5286.0, 5672.0, 5437.0, 5591.0, 5590.0, 5460.0 (number of hits: 20)
24	5530	9	1	333	1	5384.0, 5551.0, 5322.0, 5494.0, 5581.0, 5615.0, 5590.0, 5503.0, 5339.0, 5321.0, 5382.0, 5370.0, 5677.0, 5630.0, 5646.0, 5490.0, 5589.0, 5662.0, 5481.0, 5509.0, 5409.0, 5393.0, 5706.0, 5377.0, 5687.0, 5293.0, 5348.0, 5518.0, 5420.0, 5401.0, 5381.0, 5264.0, 5355.0, 5484.0, 5639.0, 5651.0, 5524.0, 5275.0, 5477.0, 5519.0, 5547.0, 5598.0, 5715.0, 5649.0, 5316.0, 5346.0, 5718.0, 5583.0, 5303.0, 5629.0, 5594.0, 5576.0, 5701.0, 5415.0, 5525.0, 5625.0, 5513.0, 5605.0, 5334.0, 5533.0, 5617.0, 5587.0, 5516.0, 5465.0, 5647.0, 5669.0, 5700.0, 5665.0, 5549.0, 5674.0, 5556.0, 5676.0, 5323.0, 5459.0, 5479.0, 5314.0, 5427.0, 5336.0, 5699.0, 5604.0, 5301.0, 5616.0, 5333.0, 5595.0, 5716.0, 5458.0, 5422.0, 5252.0, 5520.0, 5553.0, 5571.0, 5464.0, 5345.0, 5558.0, 5356.0, 5478.0, 5488.0, 5539.0, 5537.0, 5543.0 (number of hits: 21)
25	5530	9	1	333	1	5649.0, 5444.0, 5528.0, 5356.0, 5307.0, 5459.0, 5539.0, 5688.0, 5360.0, 5359.0, 5558.0, 5667.0, 5435.0, 5563.0, 5571.0, 5511.0, 5323.0, 5671.0, 5265.0, 5465.0, 5652.0, 5530.0, 5348.0, 5618.0, 5256.0, 5304.0, 5483.0, 5299.0, 5599.0, 5400.0, 5573.0, 5386.0, 5657.0, 5718.0, 5605.0, 5551.0, 5585.0, 5547.0, 5255.0, 5594.0, 5367.0, 5285.0, 5399.0, 5609.0, 5380.0, 5315.0, 5693.0, 5376.0, 5703.0, 5661.0, 5478.0, 5377.0, 5576.0, 5496.0, 5457.0, 5676.0, 5497.0, 5321.0, 5557.0, 5715.0, 5533.0, 5420.0, 5566.0, 5516.0, 5584.0, 5589.0, 5628.0, 5534.0, 5416.0, 5694.0, 5283.0, 5697.0, 5535.0, 5670.0, 5586.0, 5620.0, 5701.0, 5493.0, 5275.0, 5346.0, 5517.0, 5467.0, 5475.0, 5300.0, 5630.0, 5357.0, 5598.0, 5413.0, 5378.0, 5706.0, 5406.0, 5717.0, 5681.0, 5414.0, 5347.0, 5526.0, 5675.0, 5385.0, 5428.0, 5404.0 (number of hits: 19)

26	5530	9	1	333	1	5614.0, 5432.0, 5299.0, 5552.0, 5415.0, 5515.0, 5668.0, 5575.0, 5550.0, 5635.0, 5706.0, 5584.0, 5682.0, 5616.0, 5362.0, 5319.0, 5409.0, 5399.0, 5500.0, 5534.0, 5401.0, 5328.0, 5473.0, 5475.0, 5467.0, 5462.0, 5260.0, 5490.0, 5712.0, 5620.0, 5723.0, 5511.0, 5568.0, 5641.0, 5351.0, 5497.0, 5386.0, 5471.0, 5336.0, 5460.0, 5251.0, 5578.0, 5502.0, 5373.0, 5696.0, 5359.0, 5699.0, 5636.0, 5423.0, 5424.0, 5560.0, 5506.0, 5338.0, 5664.0, 5275.0, 5332.0, 5591.0, 5519.0, 5541.0, 5721.0, 5505.0, 5287.0, 5442.0, 5684.0, 5628.0, 5288.0, 5572.0, 5350.0, 5413.0, 5589.0, 5366.0, 5663.0, 5565.0, 5318.0, 5284.0, 5335.0, 5322.0, 5263.0, 5358.0, 5714.0, 5627.0, 5642.0, 5393.0, 5570.0, 5546.0, 5450.0, 5435.0, 5535.0, 5606.0, 5577.0, 5272.0, 5671.0, 5599.0, 5448.0, 5459.0, 5586.0, 5320.0, 5289.0, 5508.0, 5632.0 (number of hits: 19)
27	5530	9	1	333	1	5266.0, 5293.0, 5361.0, 5350.0, 5345.0, 5570.0, 5535.0, 5318.0, 5273.0, 5572.0, 5481.0, 5663.0, 5374.0, 5270.0, 5260.0, 5405.0, 5277.0, 5301.0, 5515.0, 5470.0, 5276.0, 5670.0, 5717.0, 5429.0, 5712.0, 5468.0, 5665.0, 5630.0, 5279.0, 5458.0, 5710.0, 5501.0, 5310.0, 5690.0, 5321.0, 5688.0, 5714.0, 5504.0, 5598.0, 5567.0, 5346.0, 5652.0, 5516.0, 5640.0, 5445.0, 5384.0, 5420.0, 5381.0, 5254.0, 5372.0, 5641.0, 5650.0, 5678.0, 5348.0, 5699.0, 5302.0, 5493.0, 5649.0, 5623.0, 5311.0, 5506.0, 5356.0, 5523.0, 5397.0, 5595.0, 5639.0, 5547.0, 5708.0, 5412.0, 5512.0, 5682.0, 5498.0, 5268.0, 5629.0, 5291.0, 5611.0, 5269.0, 5469.0, 5309.0, 5371.0, 5689.0, 5495.0, 5529.0, 5395.0, 5476.0, 5577.0, 5594.0, 5603.0, 5334.0, 5330.0, 5271.0, 5651.0, 5326.0, 5306.0, 5297.0, 5305.0, 5450.0, 5585.0, 5354.0, 5480.0 (number of hits: 14)
28	5530	9	1	333	1	5532.0, 5578.0, 5369.0, 5312.0, 5576.0, 5353.0, 5507.0, 5560.0, 5489.0, 5448.0, 5364.0, 5658.0, 5510.0, 5621.0, 5589.0, 5563.0, 5342.0, 5365.0, 5719.0, 5605.0, 5653.0, 5367.0, 5458.0, 5543.0, 5689.0, 5514.0, 5474.0, 5334.0, 5695.0, 5539.0, 5655.0, 5676.0, 5551.0, 5453.0, 5349.0, 5542.0, 5325.0, 5337.0, 5437.0, 5721.0, 5402.0, 5654.0, 5297.0, 5650.0, 5639.0, 5625.0, 5706.0, 5426.0, 5454.0, 5429.0, 5708.0, 5588.0, 5300.0, 5692.0, 5550.0, 5497.0, 5544.0, 5418.0, 5483.0, 5590.0, 5584.0, 5683.0, 5393.0, 5577.0, 5535.0, 5432.0, 5671.0, 5704.0, 5649.0, 5374.0, 5596.0, 5435.0, 5305.0, 5553.0, 5401.0, 5431.0, 5616.0, 5624.0, 5620.0, 5607.0, 5326.0, 5443.0, 5627.0, 5299.0, 5688.0,

						5368.0, 5574.0, 5647.0, 5378.0, 5664.0, 5672.0, 5667.0, 5699.0, 5255.0, 5354.0, 5309.0, 5446.0, 5366.0, 5662.0, 5285.0 (number of hits: 15)
29	5530	9	1	333	1	5408.0, 5550.0, 5312.0, 5392.0, 5344.0, 5385.0, 5289.0, 5302.0, 5691.0, 5287.0, 5612.0, 5475.0, 5569.0, 5331.0, 5611.0, 5520.0, 5552.0, 5671.0, 5649.0, 5421.0, 5308.0, 5293.0, 5397.0, 5405.0, 5546.0, 5252.0, 5262.0, 5587.0, 5281.0, 5566.0, 5254.0, 5709.0, 5259.0, 5707.0, 5675.0, 5412.0, 5374.0, 5296.0, 5555.0, 5379.0, 5673.0, 5425.0, 5471.0, 5633.0, 5630.0, 5670.0, 5486.0, 5557.0, 5398.0, 5484.0, 5629.0, 5299.0, 5320.0, 5573.0, 5528.0, 5273.0, 5547.0, 5634.0, 5339.0, 5509.0, 5318.0, 5638.0, 5413.0, 5460.0, 5452.0, 5586.0, 5368.0, 5373.0, 5504.0, 5261.0, 5387.0, 5490.0, 5358.0, 5628.0, 5418.0, 5724.0, 5326.0, 5699.0, 5407.0, 5386.0, 5364.0, 5468.0, 5677.0, 5572.0, 5264.0, 5447.0, 5667.0, 5435.0, 5401.0, 5265.0, 5648.0, 5558.0, 5516.0, 5721.0, 5514.0, 5355.0, 5316.0, 5430.0, 5523.0, 5588.0 (number of hits: 17)
30	5530	9	1	333	1	5568.0, 5506.0, 5275.0, 5328.0, 5314.0, 5717.0, 5463.0, 5674.0, 5339.0, 5476.0, 5281.0, 5532.0, 5722.0, 5294.0, 5496.0, 5643.0, 5658.0, 5690.0, 5410.0, 5485.0, 5548.0, 5624.0, 5512.0, 5590.0, 5442.0, 5586.0, 5477.0, 5283.0, 5536.0, 5286.0, 5691.0, 5597.0, 5539.0, 5264.0, 5677.0, 5427.0, 5673.0, 5323.0, 5645.0, 5686.0, 5618.0, 5696.0, 5460.0, 5333.0, 5332.0, 5569.0, 5365.0, 5675.0, 5545.0, 5386.0, 5307.0, 5388.0, 5262.0, 5437.0, 5507.0, 5458.0, 5557.0, 5411.0, 5366.0, 5542.0, 5535.0, 5666.0, 5491.0, 5371.0, 5299.0, 5253.0, 5490.0, 5543.0, 5688.0, 5414.0, 5596.0, 5417.0, 5681.0, 5418.0, 5499.0, 5432.0, 5269.0, 5723.0, 5656.0, 5562.0, 5363.0, 5291.0, 5613.0, 5502.0, 5445.0, 5589.0, 5707.0, 5358.0, 5601.0, 5550.0, 5364.0, 5457.0, 5368.0, 5349.0, 5357.0, 5608.0, 5298.0, 5682.0, 5400.0, 5503.0 (number of hits: 22)

10 Annex A (Normative) - Test Setup Photographs

Please refer to R1709085-DFS-Photo Report

11 Annex B (Normative) - EUT Photographs

Please refer to R1709085-DFS-Photo Report

12 Annex C (Informative)-Declaration of Similarity

FORTINET

Declaration of Similarity

January 31, 2017

We *Fortinet, Inc.* hereby declare that products in the table below are electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics except for the following hardware design changes:

	FAP-221E	FAP-223E	FAP-S221E	FAP-S223E
Antenna Type	Internal	External	Internal	External
RF chipset	Qualcomm IPQ4018	Qualcomm IPQ4018	Qualcomm IPQ4029	Qualcomm IPQ4029
RJ45	1x GbE RJ45 support PoE power input	1x GbE RJ45 support PoE power input	2x GbE RJ45 support PoE power input	2x GbE RJ45 support PoE power input
USB 2.0	N/A	N/A	1	1
Enclosure size	round	square	round	square
Enclosure material	Top :Plastic Bottom: Die casting.	Top :Plastic Bottom: Die casting.	Top/bottom: Plastic	Top/bottom: Plastic

Product Models covered are:

FORTIAP-221Exxxxxx, FAP-221Exxxxxx
FORTIAP-223Exxxxxx, FAP-223Exxxxxx
FORTIAP-S221Exxxxxx, FAP-S221Exxxxxx
FORTIAP-S223Exxxxxx, FAP-S223Exxxxxx

(where "x" can be "0-9", or "A-Z", or "-", or blank for marketing purposes or software changes only and no Safety or EMC related changes)

Please contact me should there be need for any additional clarification or information.

Sincerely,

Andrew Ji
Fortinet, Inc.
Director

899 Kifer Road, Sunnyvale, CA 94086
Tel: 408.235.7700 Fax: 408.235.7737

13 Annex D (Informative) - A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of A2LA *R222 - Specific Requirements - EPA ENERGY STAR Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 30th day of August 2016.

Senior Director of Quality & Communications
For the Accreditation Council
Certificate Number 3297.02
Valid to September 30, 2018

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

---END OF REPORT ---