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

For

Actiontec Electronics, Inc.

3301 Olcott Street,

Santa Clara, CA 95054, USA

FCC ID: LNQC3000A
IC: 2496A-C3000A

Report Type:	**Product Type:**
DFS Report	802.11n and 802.11ac Wi-Fi Router

Prepared By:	Vincent Licata Test Engineer
Report Number:	R1711062-DFS
Report Date:	2018-03-15
Reviewed By:	Jin Yang RF Lead

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1711062-DFS	DFS Report	2018-03-15

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of *Actiontec Electronics, Inc.*, and their product model: *C3000A, multiple Models: T3260,* FCC ID: LNQC3000A, IC: 2496A-C3000A or the "EUT" as referred to in this report. The EUT is an indoor access point.

1.2 Objective

This report is prepared on behalf of *Actiontec Electronics, 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.

1.3 Related Submittal(s)/Grant(s)

Equipment Class DTS with FCC ID: LNQC3000A, IC: 2469A-C3000A.

1.4 Test Methodology

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

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

1.5 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in the field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Parameter	Measurement uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.57 dB
Power Spectral Density, conducted	±1.48dB
Unwanted Emissions, conducted	±1.57dB
All emissions, radiated	±4.0 dB
AC power line Conducted Emission	±2.0 dB
Temperature	±2 ° C
Humidity	±5 %
DC and low frequency voltages	±1.0 %
Time	±2 %
Duty Cycle	±3 %

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 Appendix 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 3279.02)*****,** 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 3279.03)*** 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 3279.01)*** to certify Products to USA's Environmental Protection Agency (EPA) ENERGY STAR Product Specifications for:

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

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

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

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

5 Other
- For Water Coolers (ver. 3.0)

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

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

  - NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
  - EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)
  - Radio & Teleterminal Equipment (R&TTE) Directive 1995/5/EC US -EU EMC & Telecom MRA CAB (NB)
  - Radio Equipment (RE) Directive 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)
  - Low Voltage Directive (LVD) 2014/35/EU
- Hong Kong Special Administrative Region: (Office of the Telecommunications Authority – OFTA) APEC Tel MRA -Phase I & Phase II
- Israel – US-Israel MRA Phase I
- Republic of Korea (Ministry of Communications - Radio Research Laboratory) APEC Tel MRA -Phase I
- Singapore: (Infocomm Media Development Authority - IMDA) APEC Tel MRA -Phase I & Phase II;
- Japan: VCCI - Voluntary Control Council for Interference US-Japan Telecom Treaty VCCI Side Letter-
- USA:
  - ENERGY STAR Recognized Test Laboratory – US EPA
  - Telecommunications Certification Body (TCB) – US FCC;
  - Nationally Recognized Test Laboratory (NRTL) – US OSHA
- Vietnam: APEC Tel MRA -Phase I;

2 EUT Test Configuration

2.1 Justification

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

2.2 EUT Exercise Software

The test firmware used was CRT 5.0 provided by *Actiontec Electronics, Inc.,* the software is comply with the standard requirements being tested against.

Please refer to the following power setting table.

Modulation	Channel	Frequency (MHz)	Power Setting
802.11a mode	52	5260	15
	60	5300	15
	64	5320	15
	100	5500	15
	116	5580	15
	140	5700	15
	144	5720	15

Modulation	Channel	Frequency (MHz)	Power Setting
802.11HT/VHT20	52	5260	15
	60	5300	15
	64	5320	15
	100	5500	15
	116	5580	15
	140	5700	15
	144	5720	15
802.11HT/VHT40	54	5270	16
	62	5310	16
	102	5510	16
	110	5550	17
	118†	5590	17
	134	5670	17
	142	5710	17
802.11HT/VHT80	58	5290	17
	106	5530	16
	122†	5610	17
	138	5690	17

Note†: FCC only channel

*Data rates tested:
802.11a mode: 6Mbps
802.11n HT20: MCS0
802.11n HT40: MCS0
802.11ac VHT20: MCS0
802.11ac VHT40: MCS0
802.11ac VHT80: MCS0

2.3 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E6410	3CKRAQ1

2.4 Support Equipment

There was no support equipment included, or intended for use with EUT during these tests.

2.5 Interface Ports and Cabling

Cable Description	Length (m)	To	From
Ethernet Cable	< 1 m	Laptop	EUT
RF Cable	< 1 m	EUT	PSA
RF Cable	< 1 m	EUT	PSA

2.6 Equipment Modifications

N/A

3 Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h), RSS-247 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	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	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

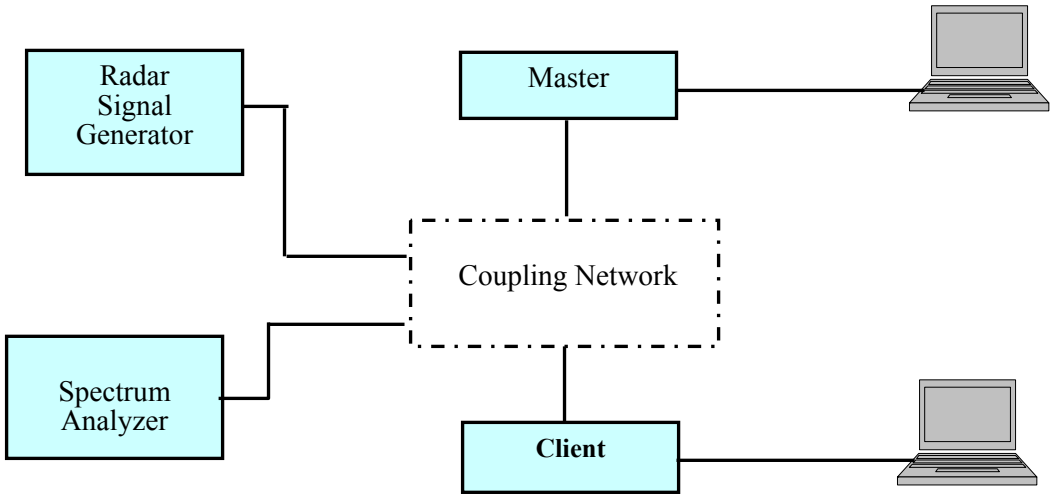
Table 7: Frequency Hopping Radar Test Signal

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

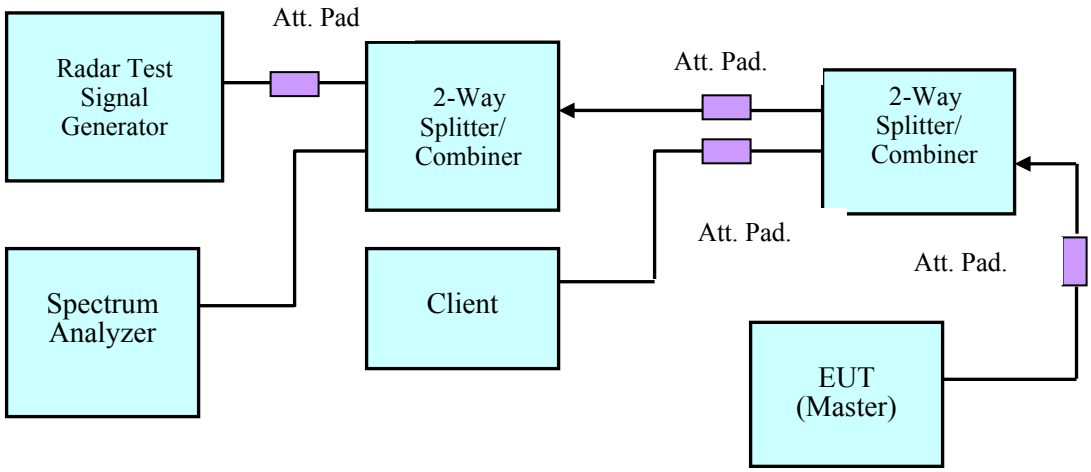
4.2 DFS Measurement System

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

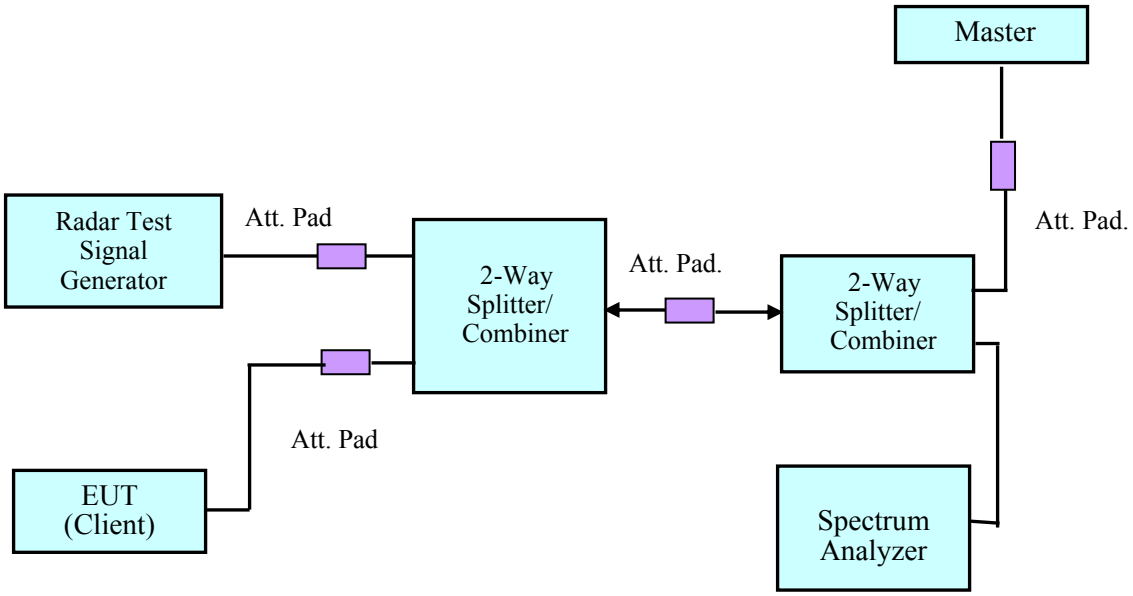
4.3 System Block Diagram



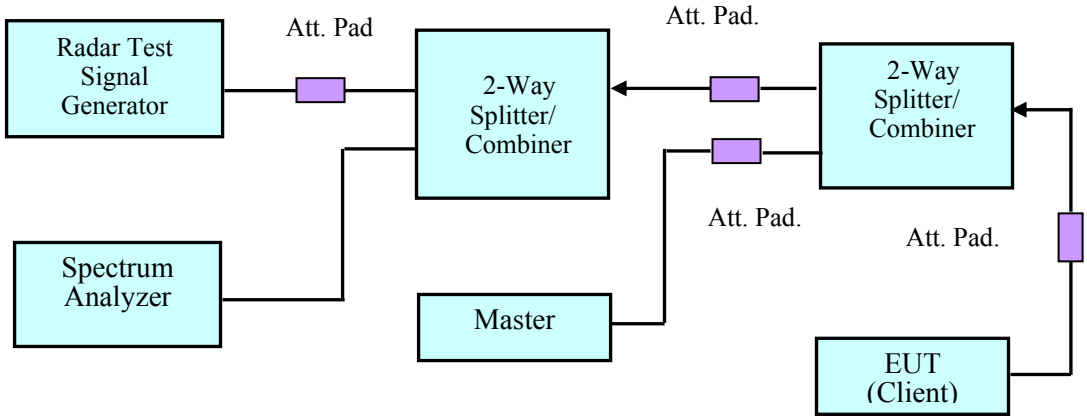
4.4 Conducted Method



Setup for Master with injection at the Master

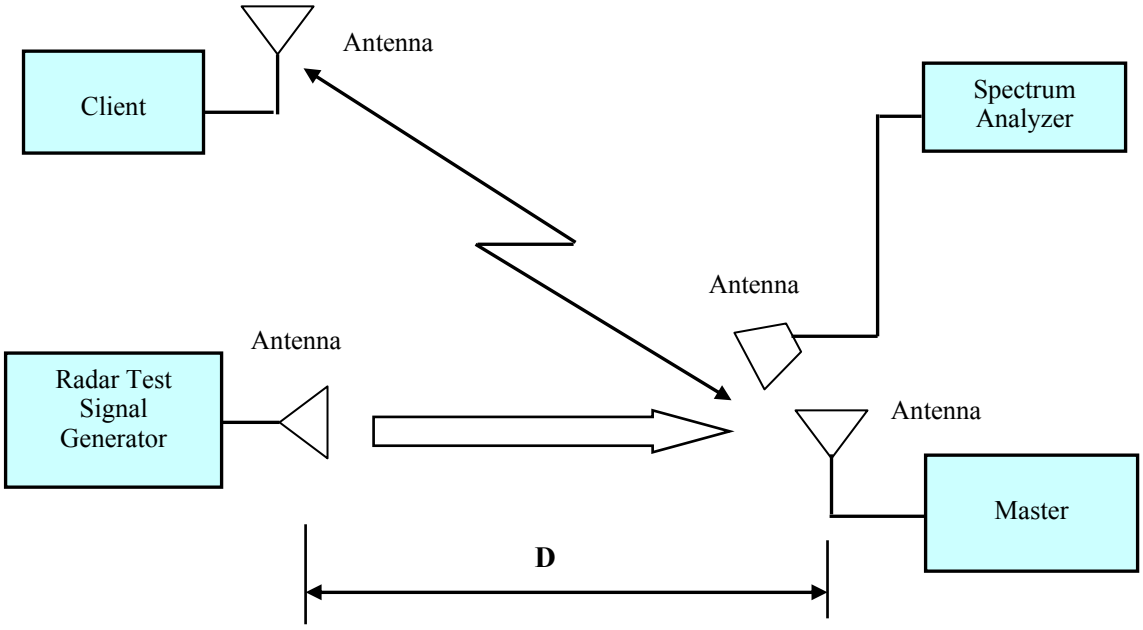


Setup for Client with injection at the Master



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

The antennas used by the EUT are permanent attached antennas.

Frequency Range (GHz)	PCB No. and Gain (dBi)			Correlated Gain (dBi)
	X6	X4	X5	
2.40	-6.100	-0.896	1.535	3.479
2.45	-8.662	0.141	3.428	4.384
2.50	-9.263	1.679	3.024	4.695

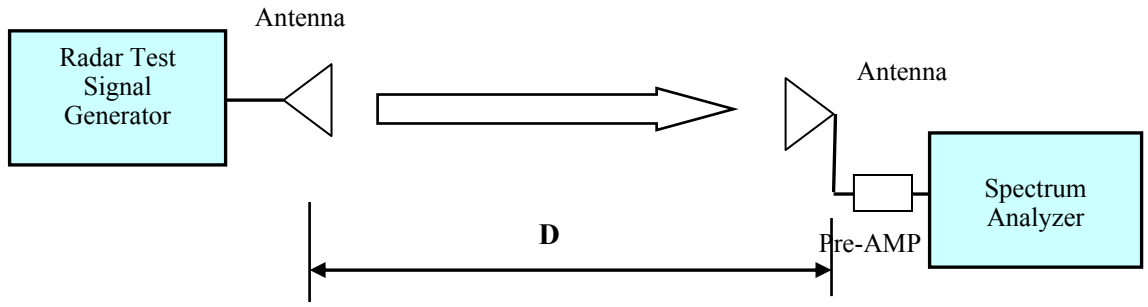
Frequency Range (GHz)	PCB No. and Gain (dBi)				Correlated Gain (dBi)
	X13	X7	X12	X15	
5.15	2.353	3.001	-3.782	-3.146	6.165
5.25	2.435	2.760	-5.916	-3.282	5.776
5.35	3.872	3.229	-9.772	-4.280	5.906
5.725	5.287	0.914	-6.033	-7.128	5.775
5.825	3.069	2.960	-5.396	-6.626	5.651

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	E4446A	MY48250238	2018-01-29	1 year
A. H. Systems	Antenna Horn	SAS-200/571	261	2017-05-16	2 years
EMCO	Antenna Horn	3115	9511-4627	2016-01-28	26 months
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 of the calibrations on the equipment items listed above were traceable to NIST or to another internationally recognized National Metrology Institute (NMI), and were compliant with A2LA Policy P102 (dated 09 June 2016) "A2LA Policy on Metrological Traceability".*

5.4 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.5 Test Environmental Conditions

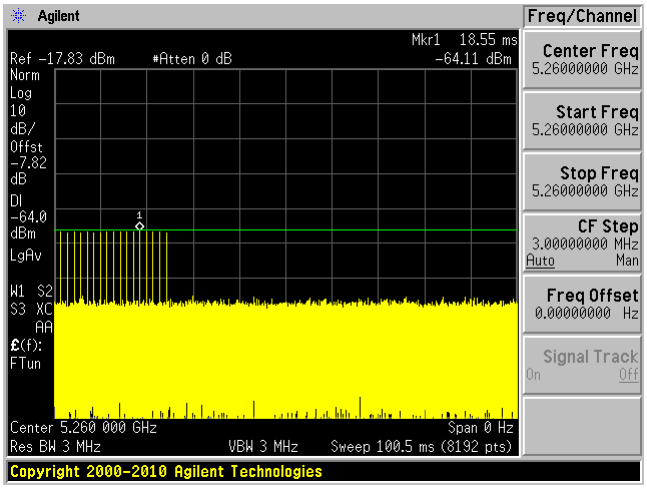
Temperature:	22-25° C
Relative Humidity:	45-48 %
ATM Pressure:	102.1 kPa

Testing was performed by Vincent Licata and Xiao Lin from 2018-02-23 to 2018-02-28 at the DFS site.

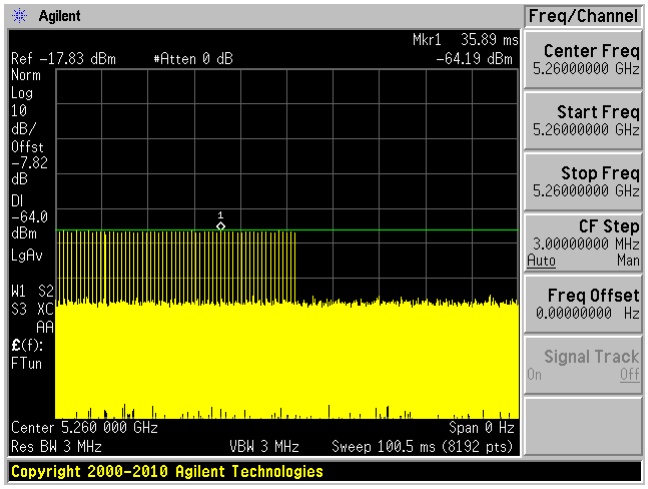
Plots of Radar Waveforms

5260 MHz

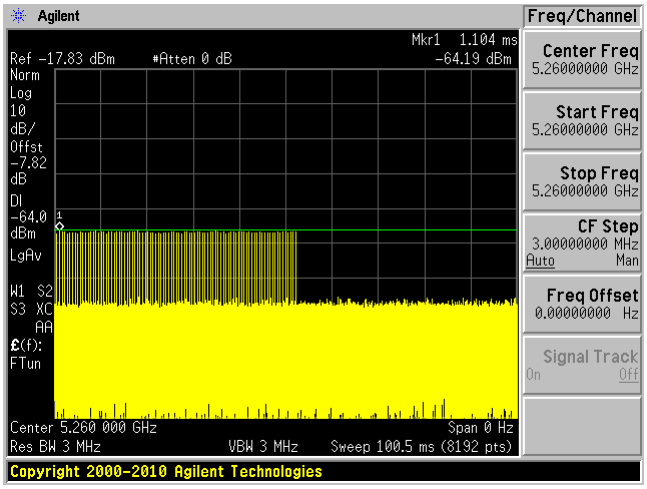
Radar Type 0



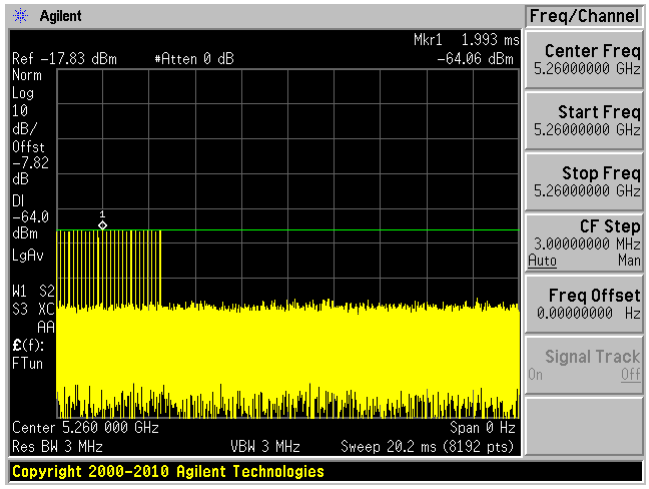
Radar Type 1A



Radar Type 1B



Radar Type 2



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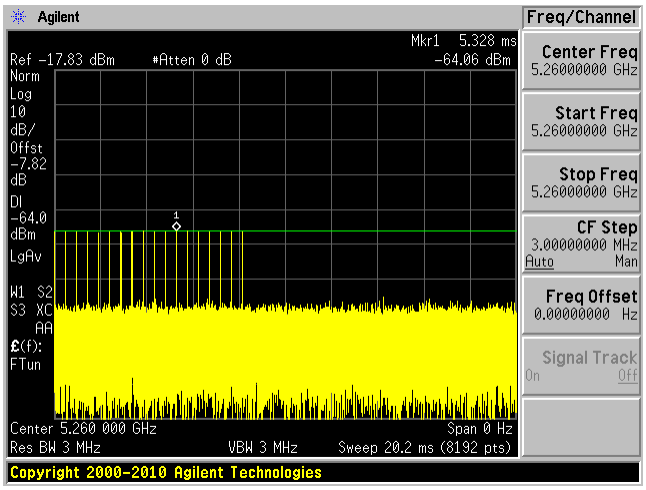

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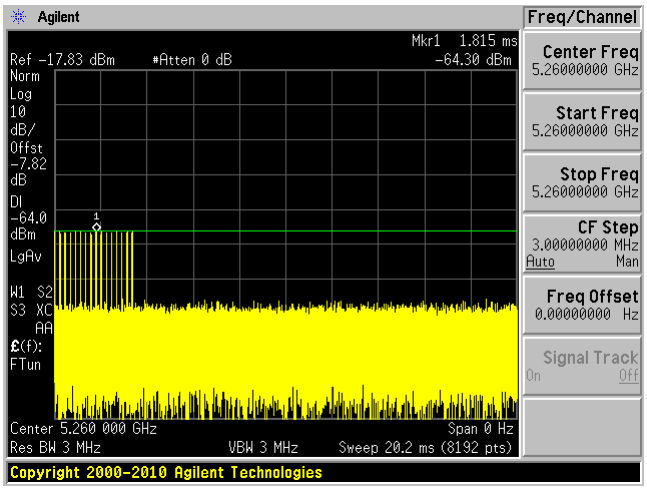

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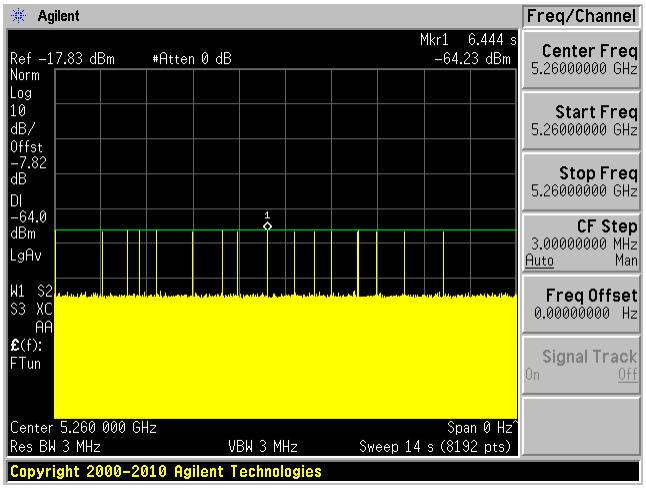
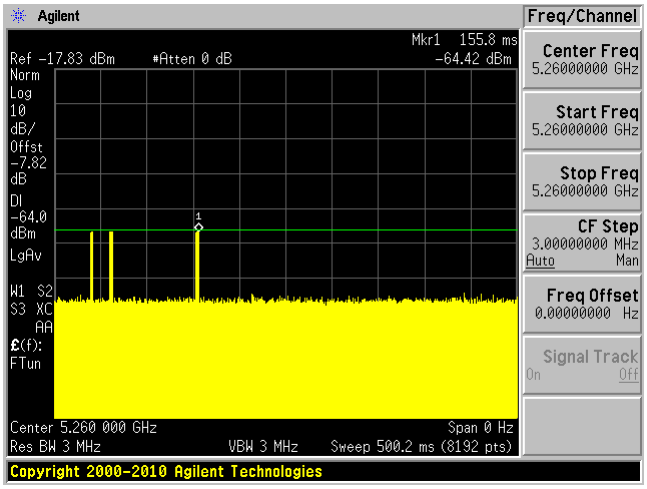
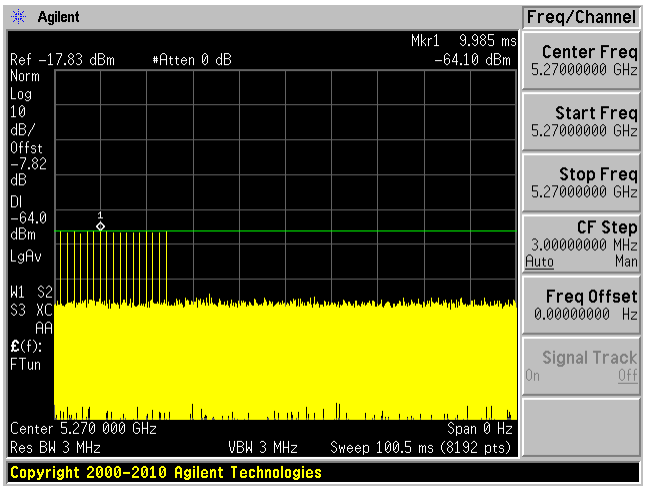


Radar Type 6

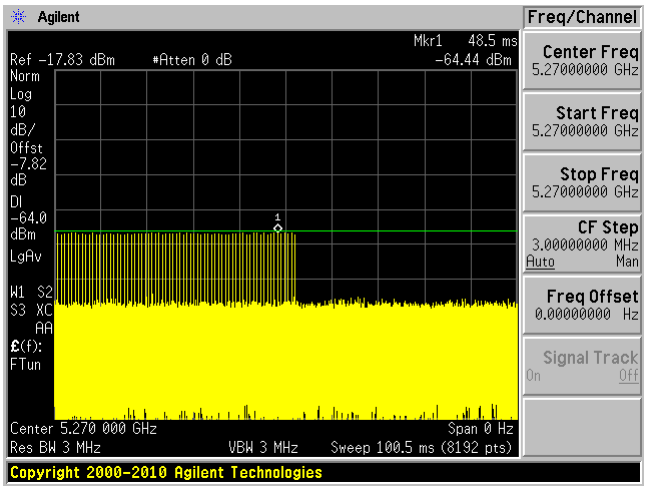


5270 MHz

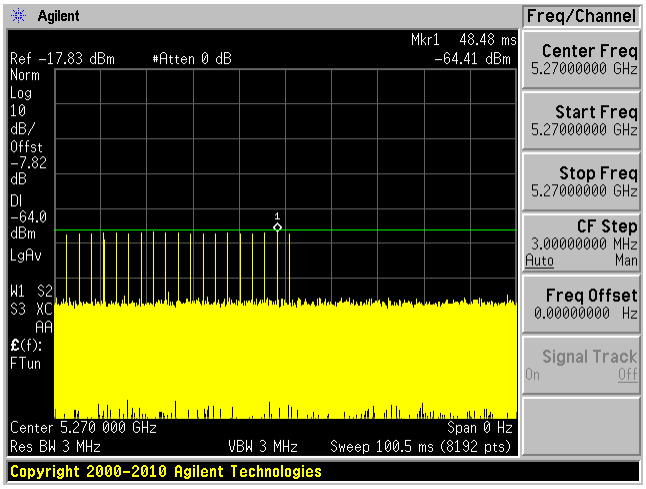
Radar Type 0



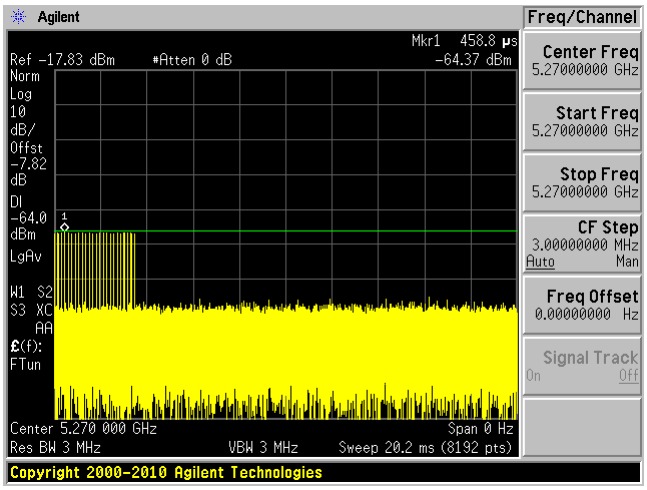
Radar Type 1A



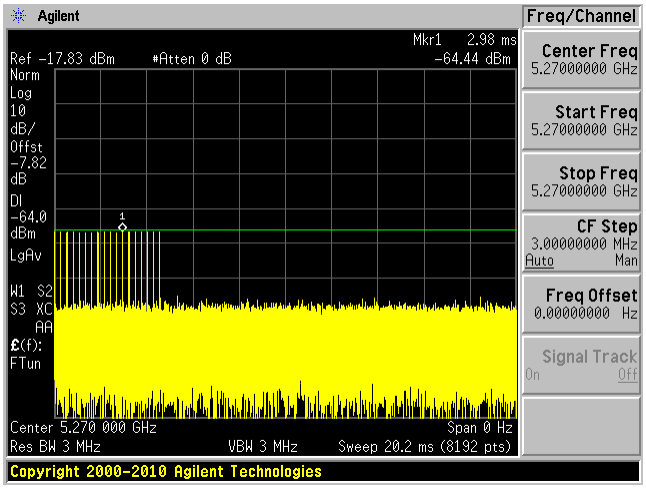
Radar Type 1B



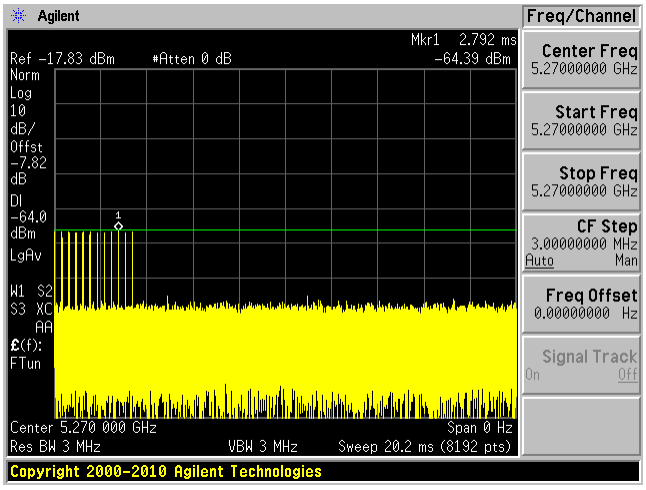
Radar Type 2



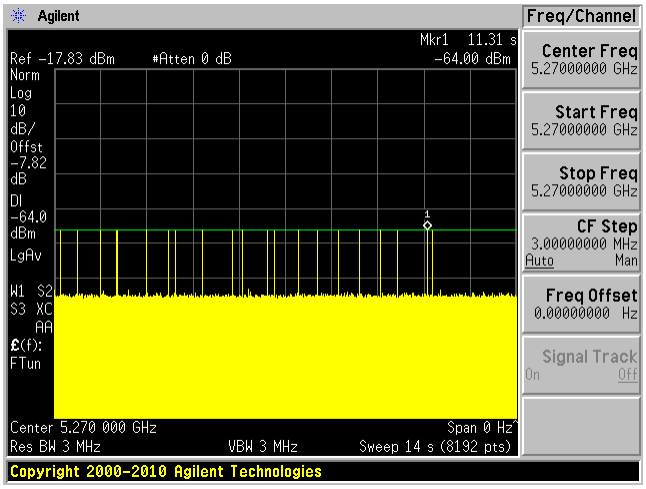
Radar Type 3



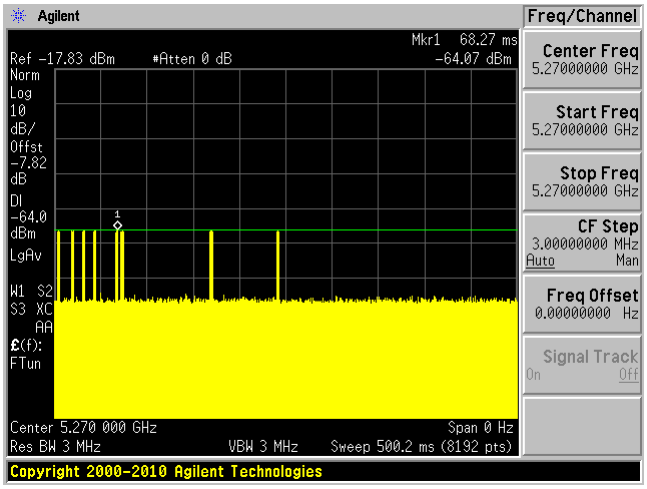
Radar Type 4



Radar Type 5

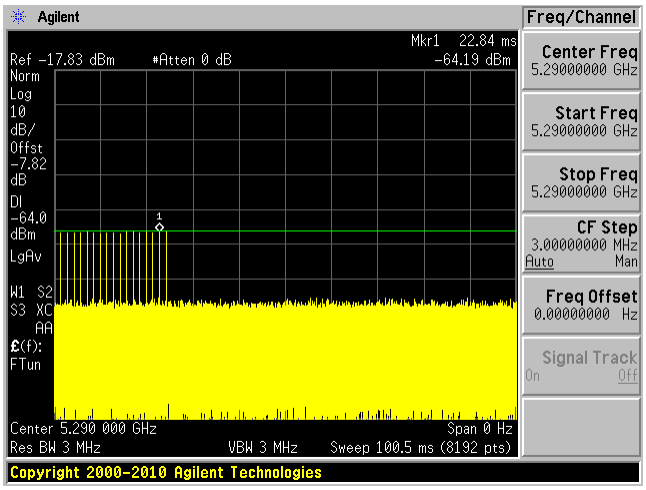


Radar Type 6

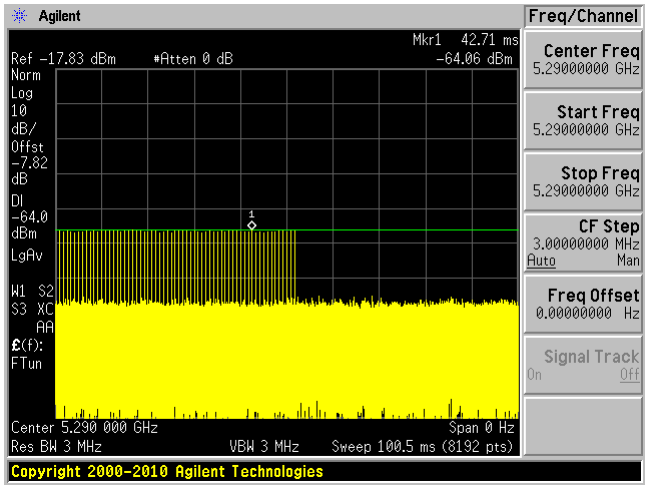


5290 MHz

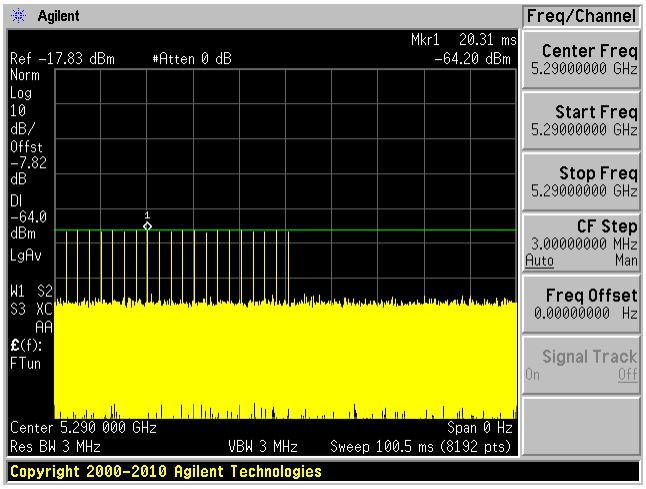
Radar Type 0



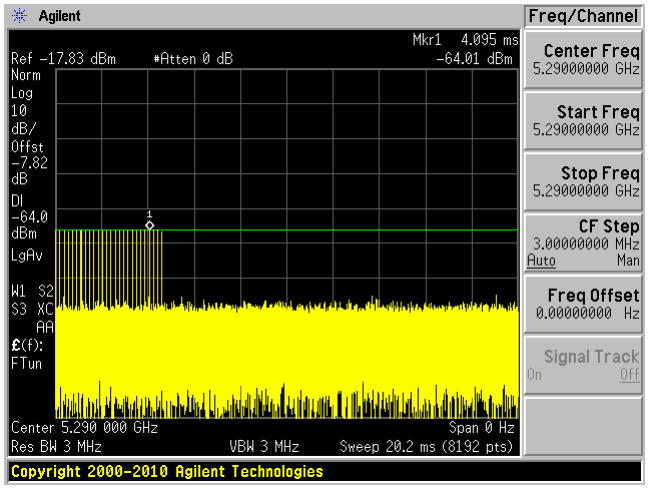
Radar Type 1A



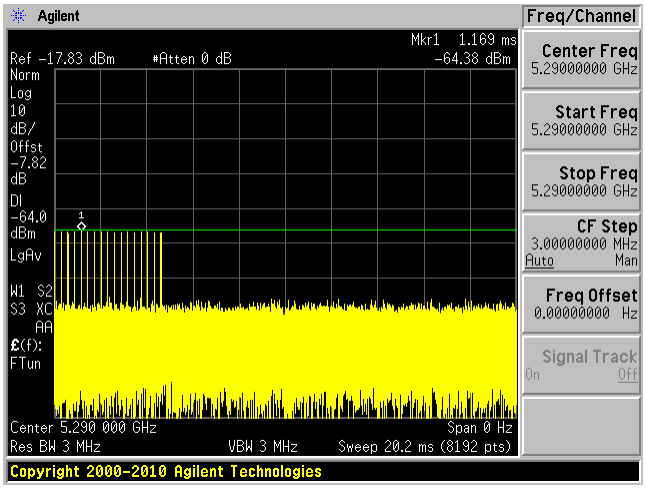
Radar Type 1B



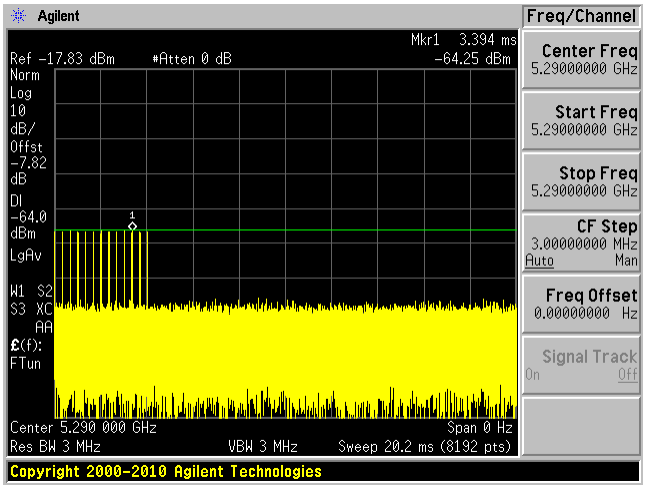
Radar Type 2



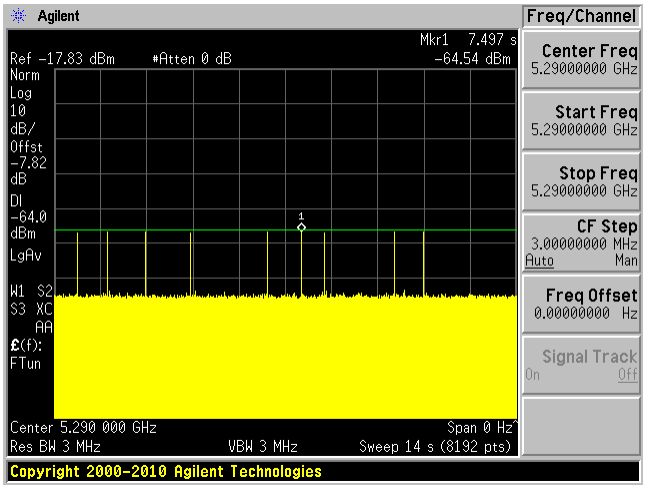
Radar Type 3



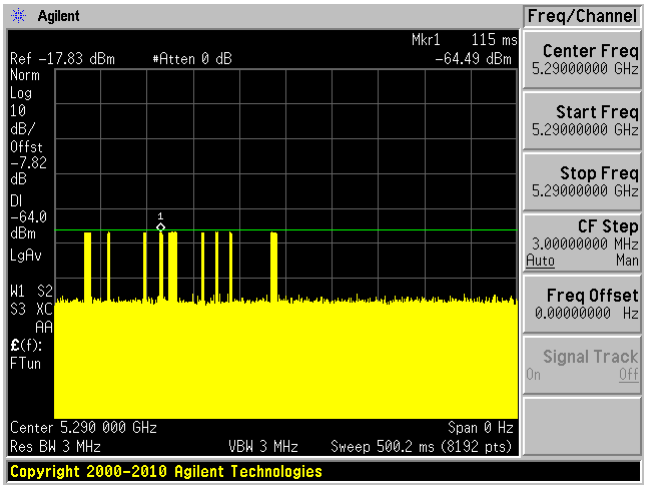
Radar Type 4



Radar Type 5

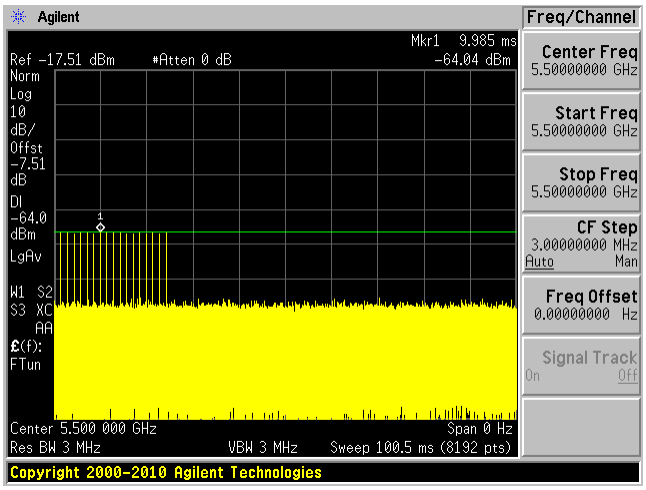


Radar Type 6

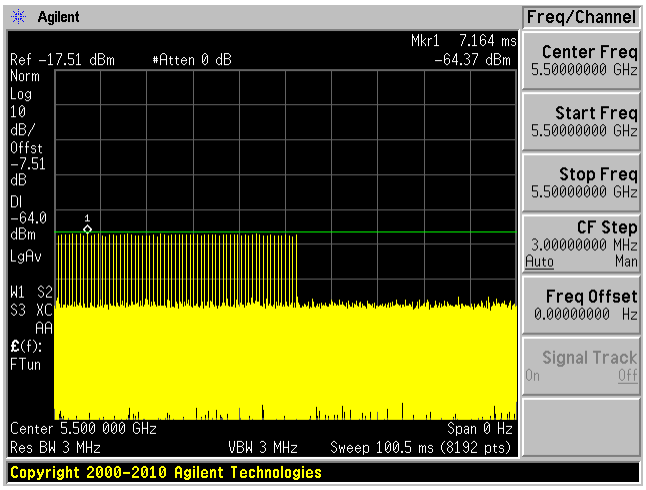


5500 MHz

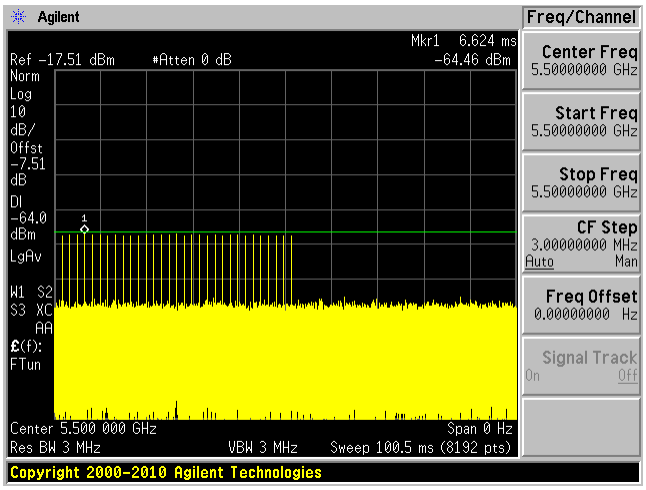
Radar Type 0



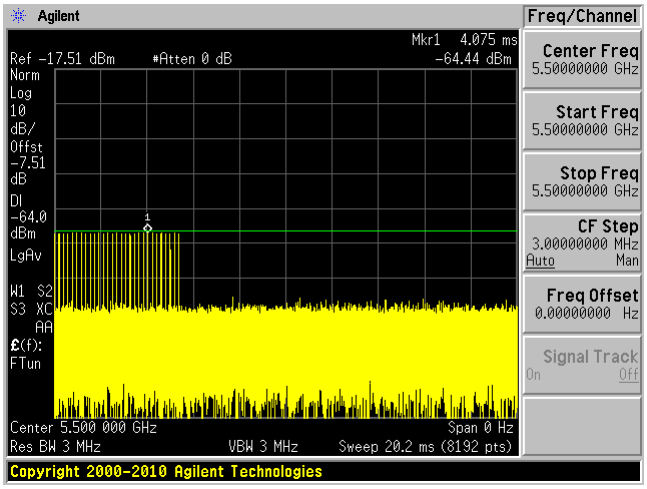
Radar Type 1A



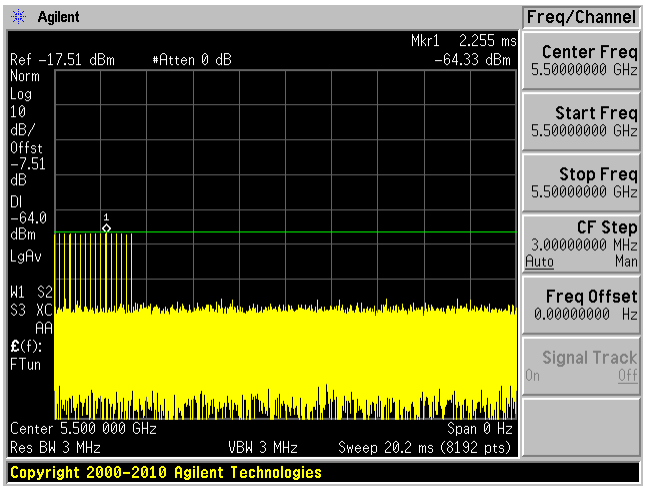
Radar Type 1B



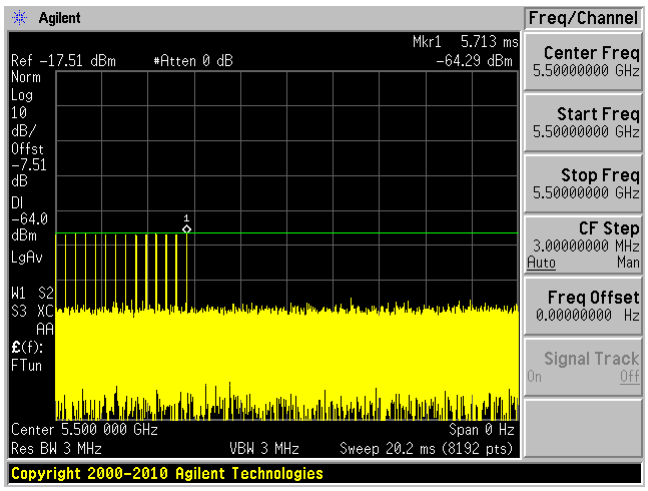
Radar Type 2



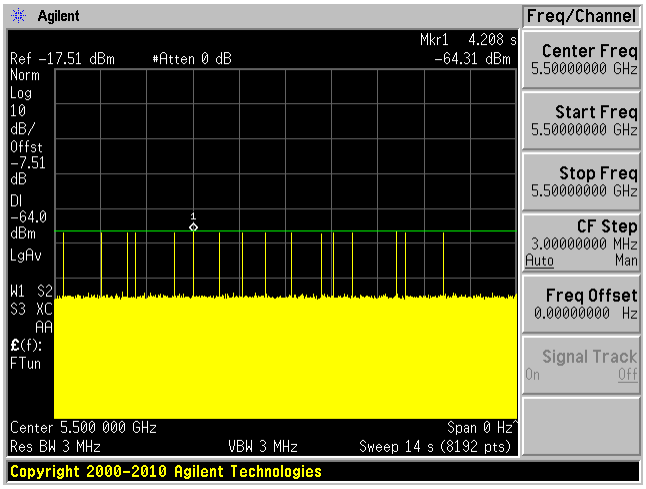
Radar Type 3



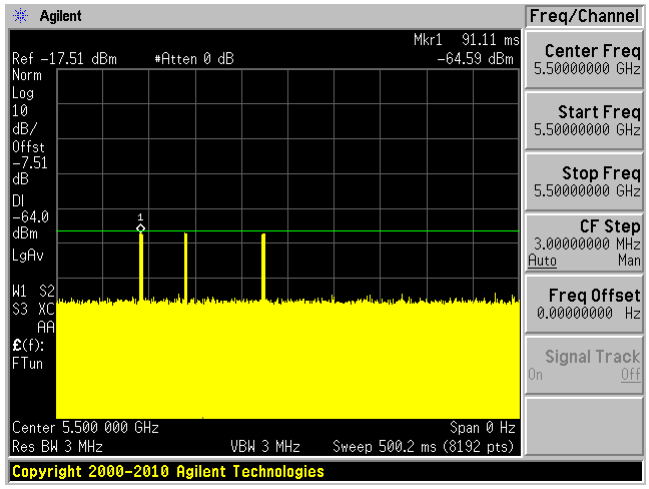
Radar Type 4



Radar Type 5

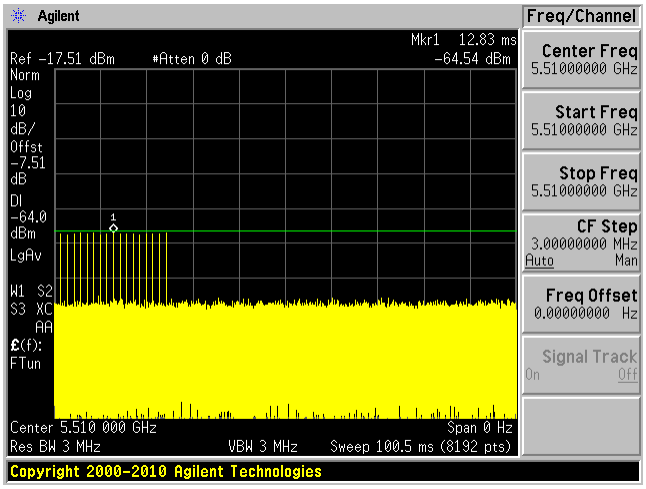


Radar Type 6

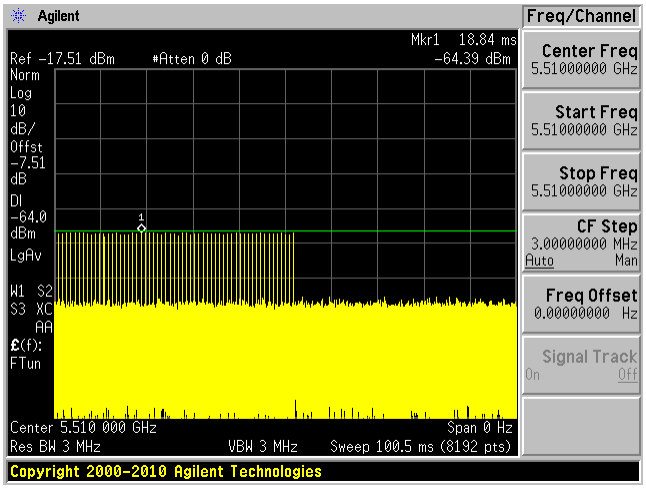


5510 MHz

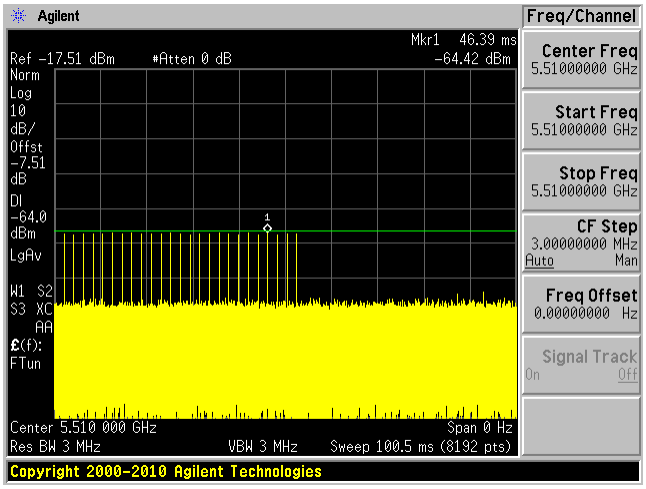
Radar Type 0



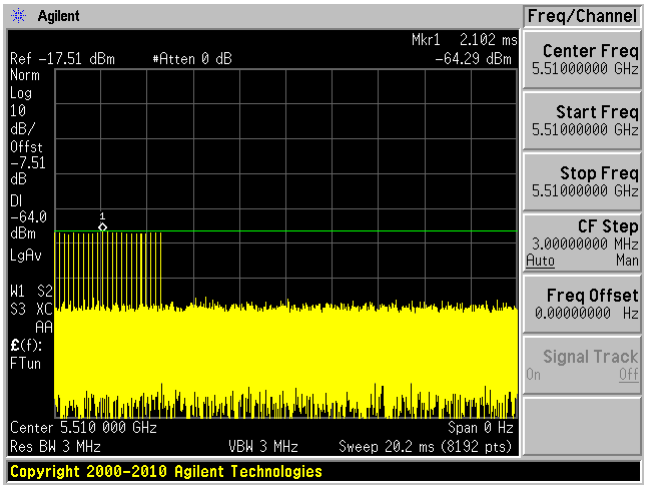
Radar Type 1A



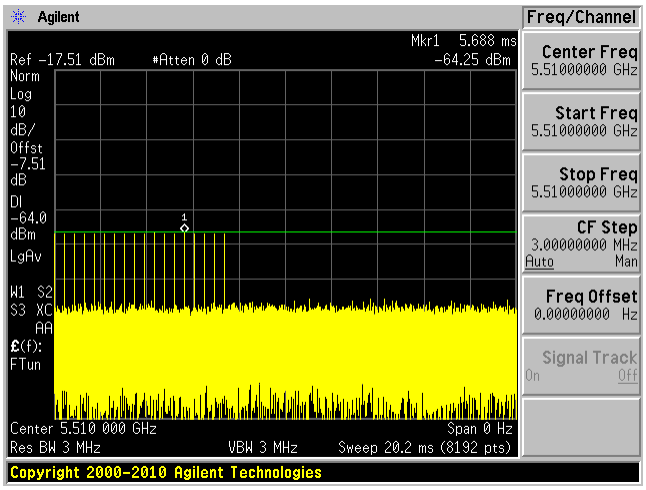
Radar Type 1B



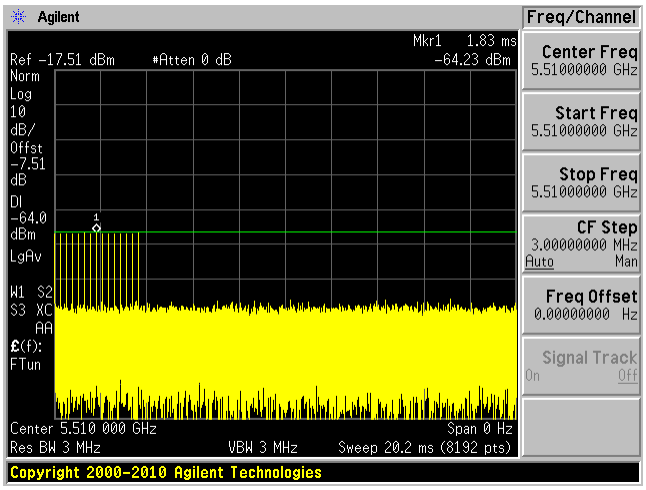
Radar Type 2



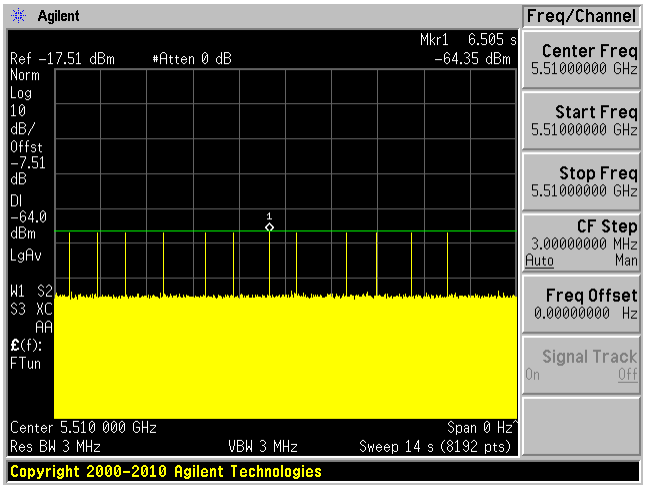
Radar Type 3



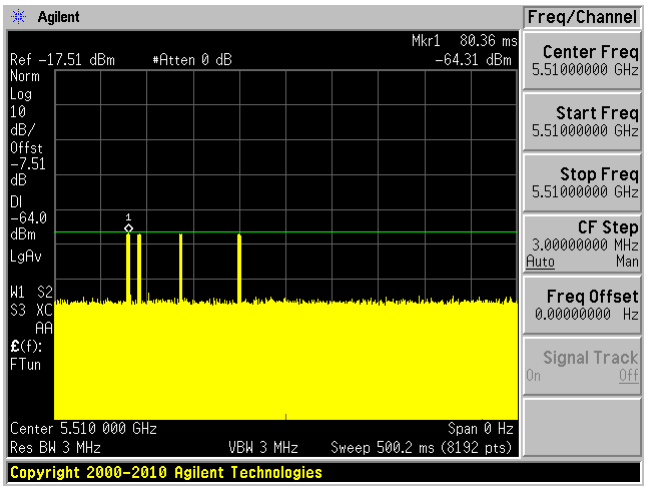
Radar Type 4



Radar Type 5

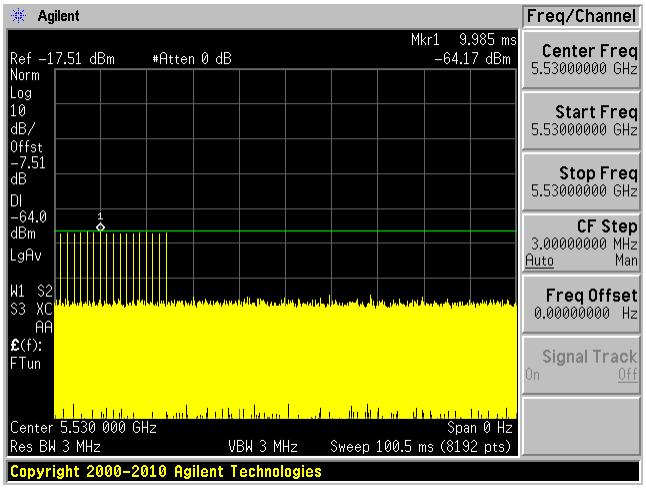


Radar Type 6

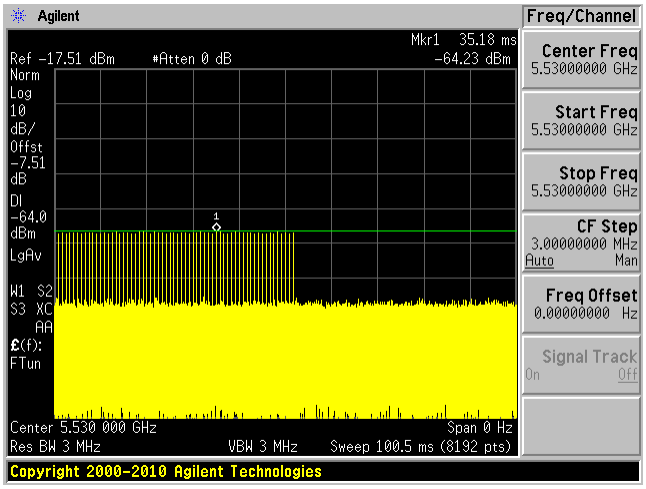


5530 MHz

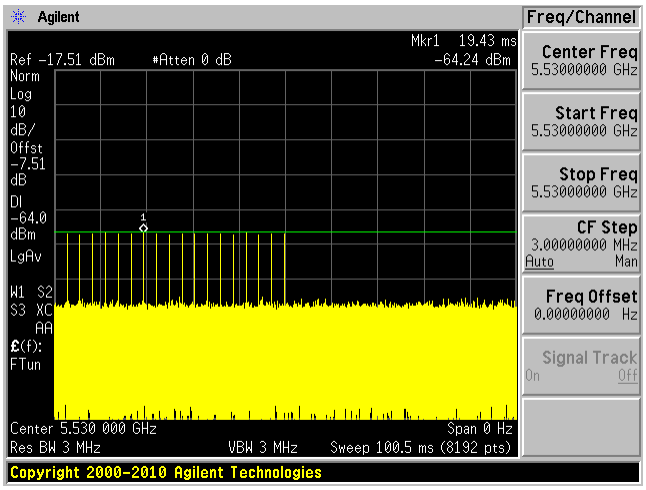
Radar Type 0



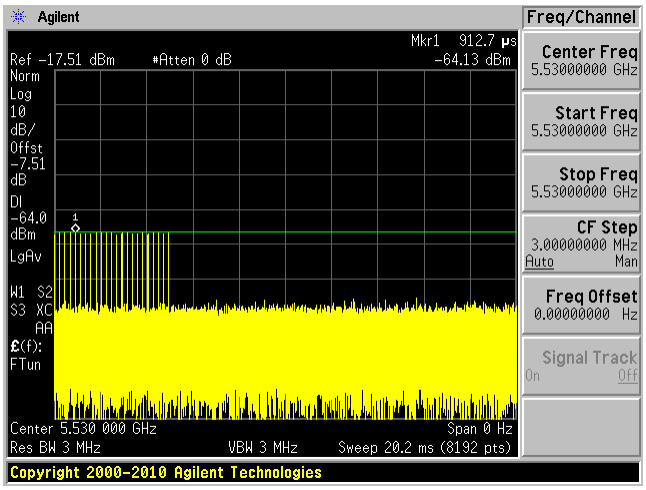
Radar Type 1A



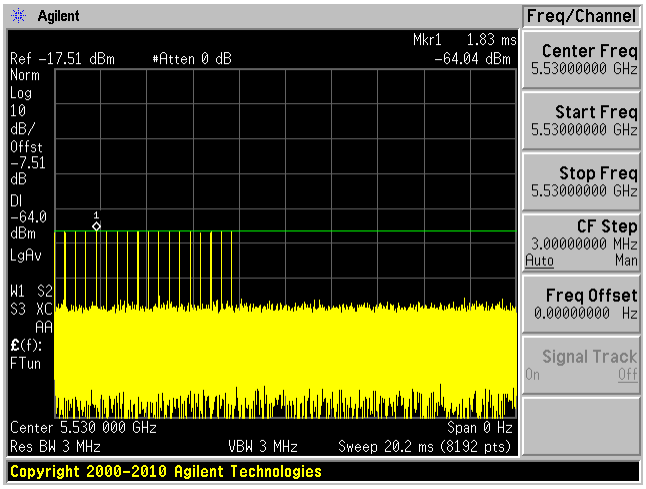
Radar Type 1B



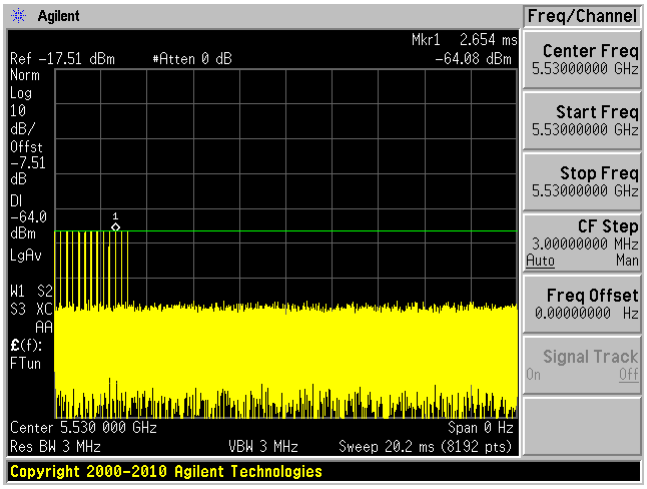
Radar Type 2



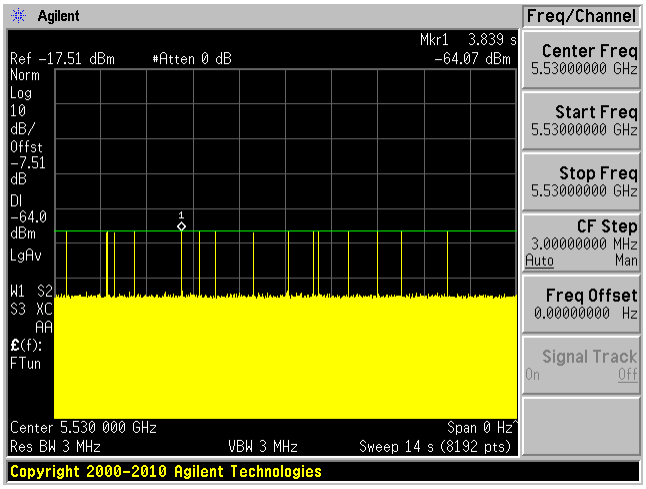
Radar Type 3



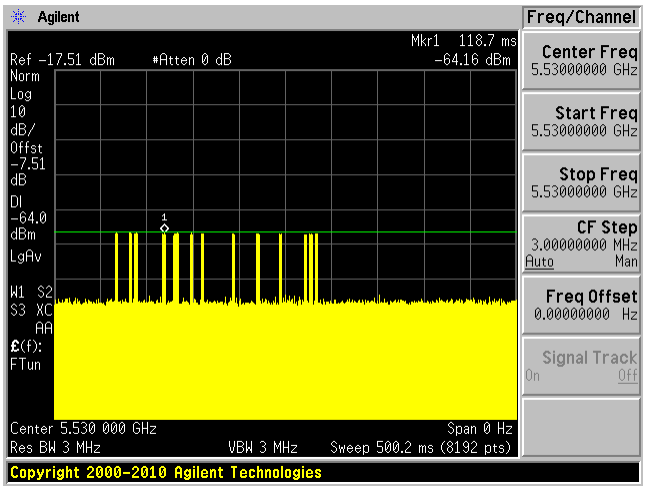
Radar Type 4



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: 60 Seconds

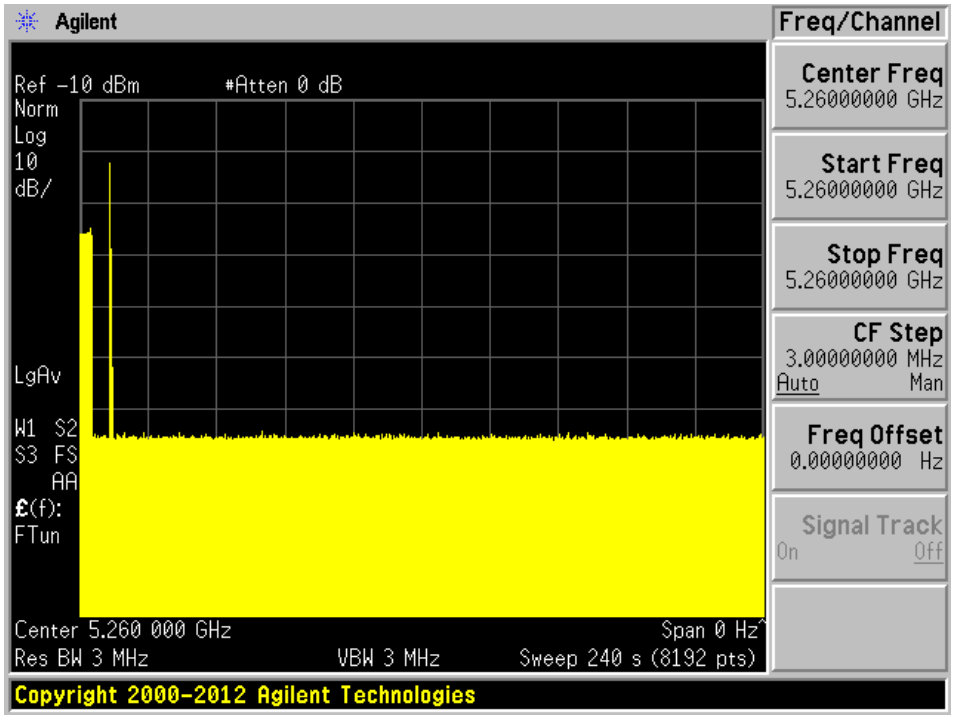
Results:

Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Transmission begin after power-up cycle +60 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 testing is performed with the Radar type 0.

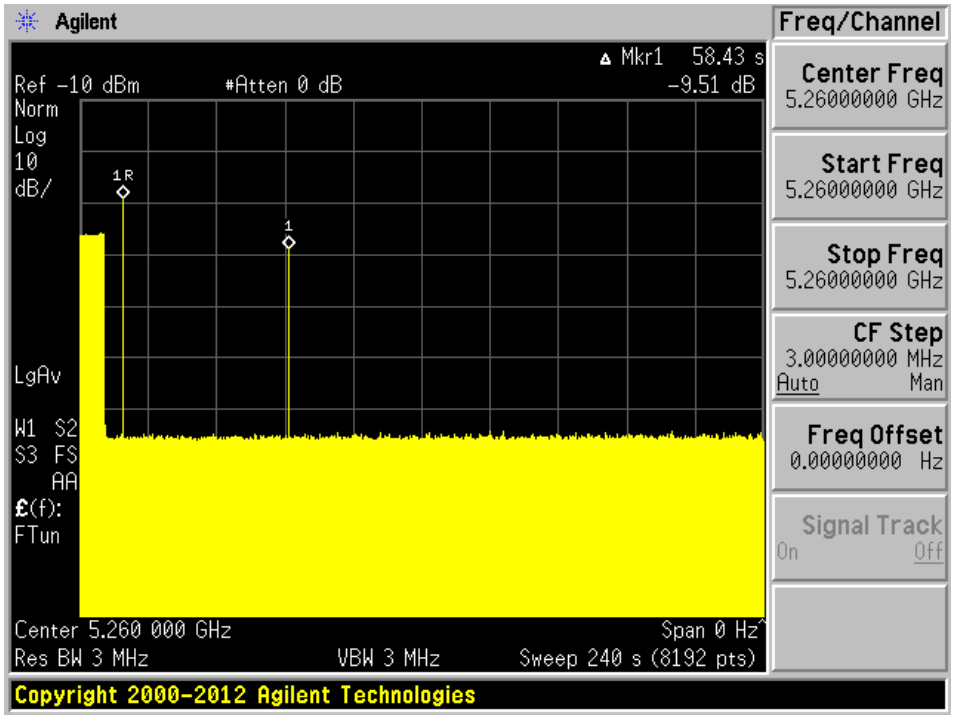
5260 MHz

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

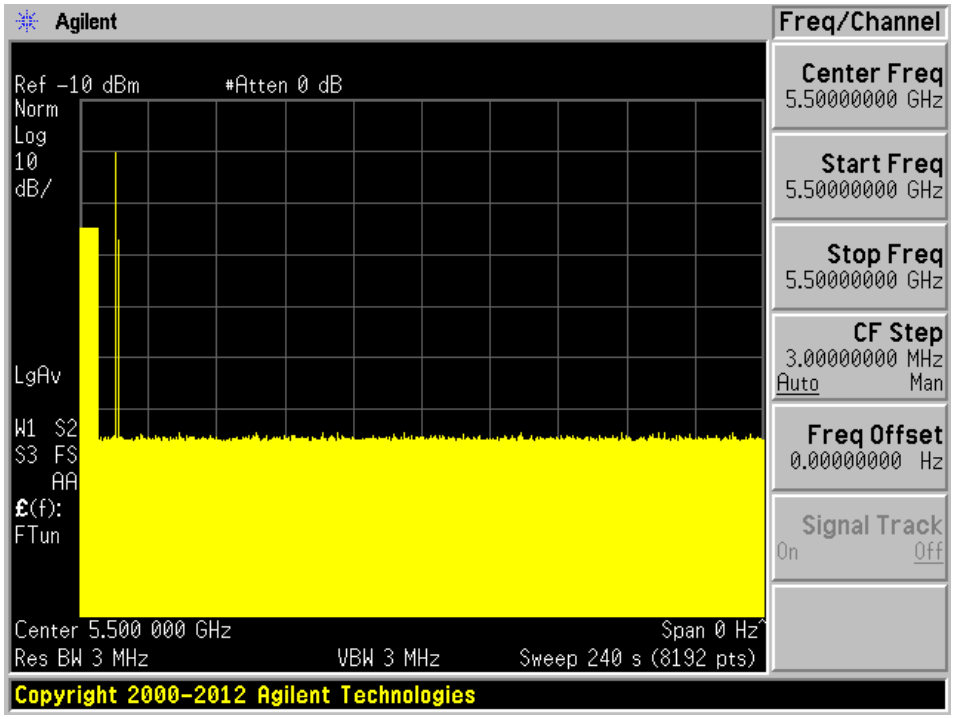


No transmissions found after radar signal applied.

Note: Marker 1R marks the start of the CAC time.

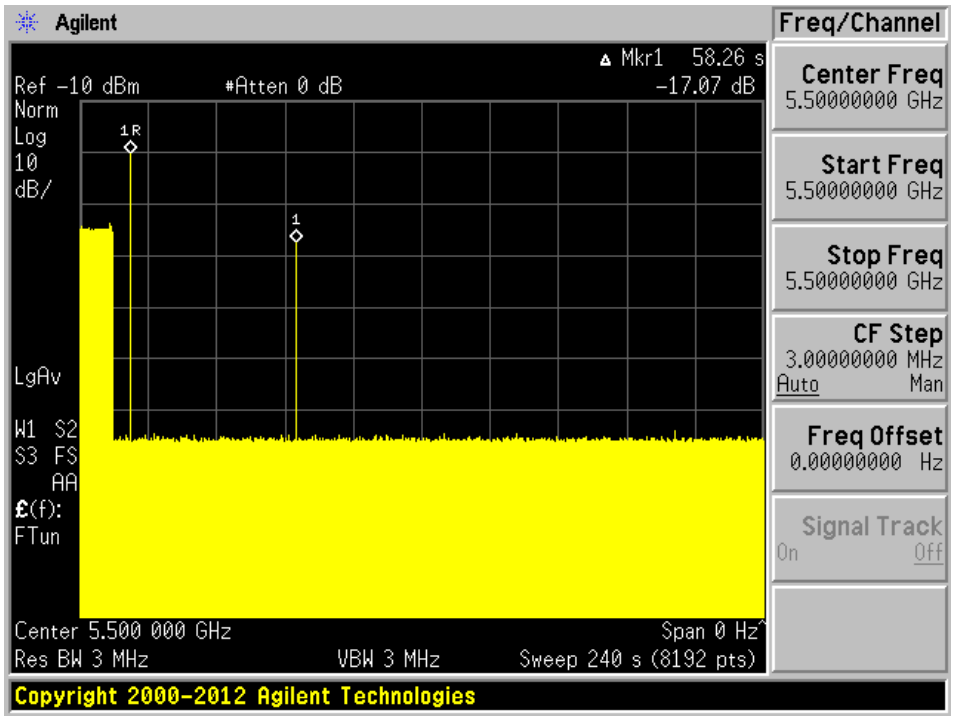
5500 MHz

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.

Note: Marker 1R marks the start of the CAC time.

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

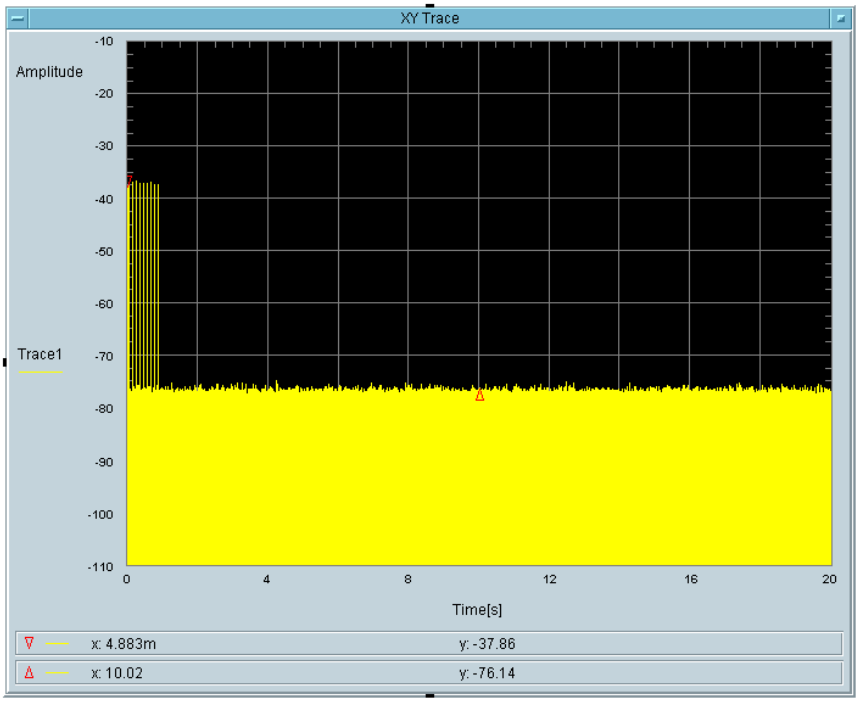
Please refer to the following tables and plots.

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
34.18+17.09	200+60	Pass

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

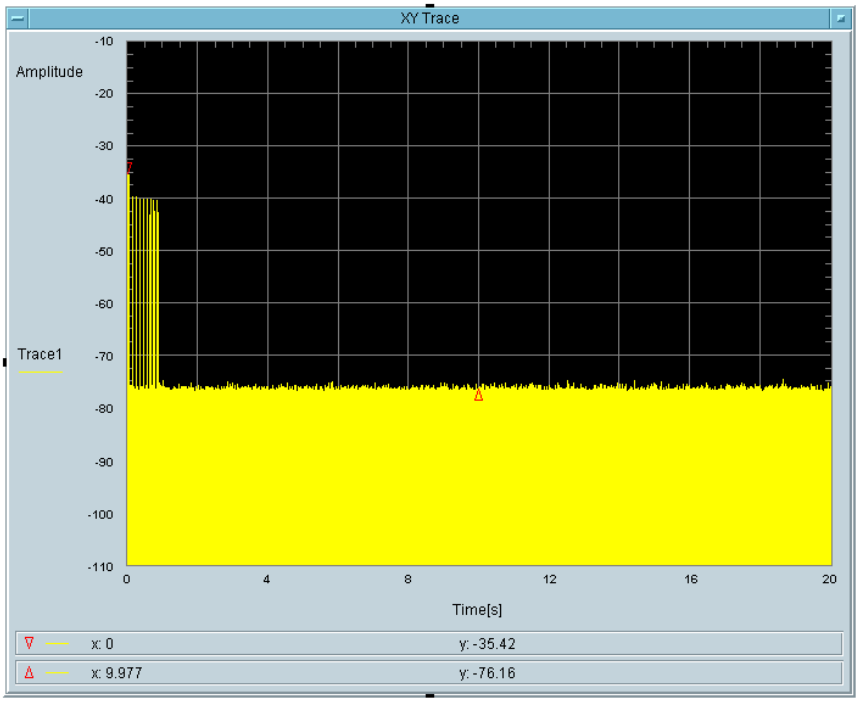


5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
14.65+0.00	200+60	Pass

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



8 Non-Occupancy Period

8.1 Test Procedure

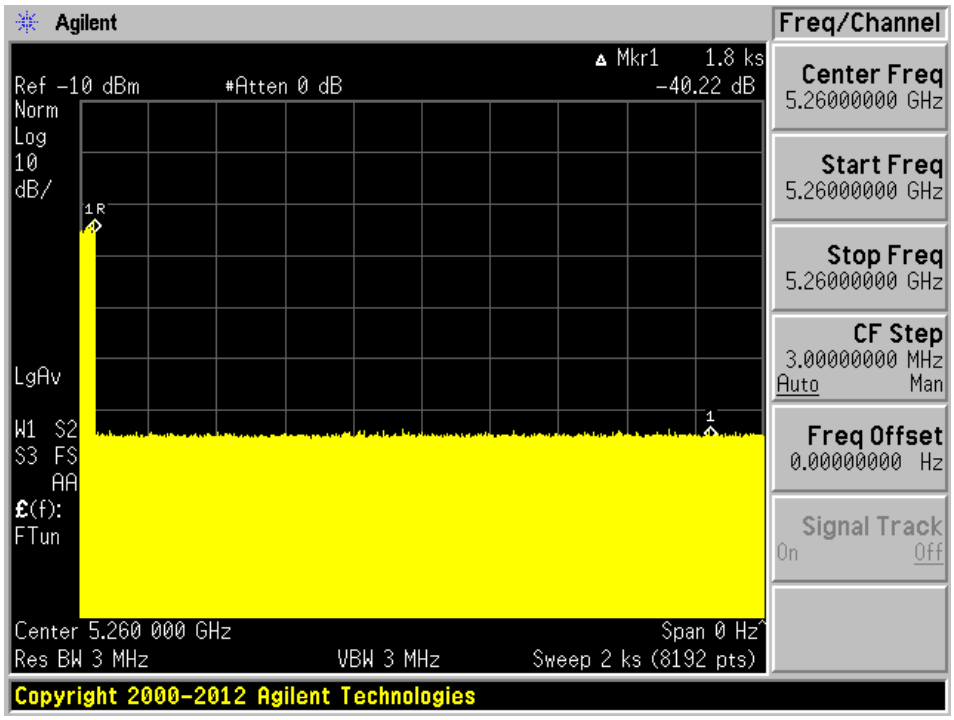
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Test Results

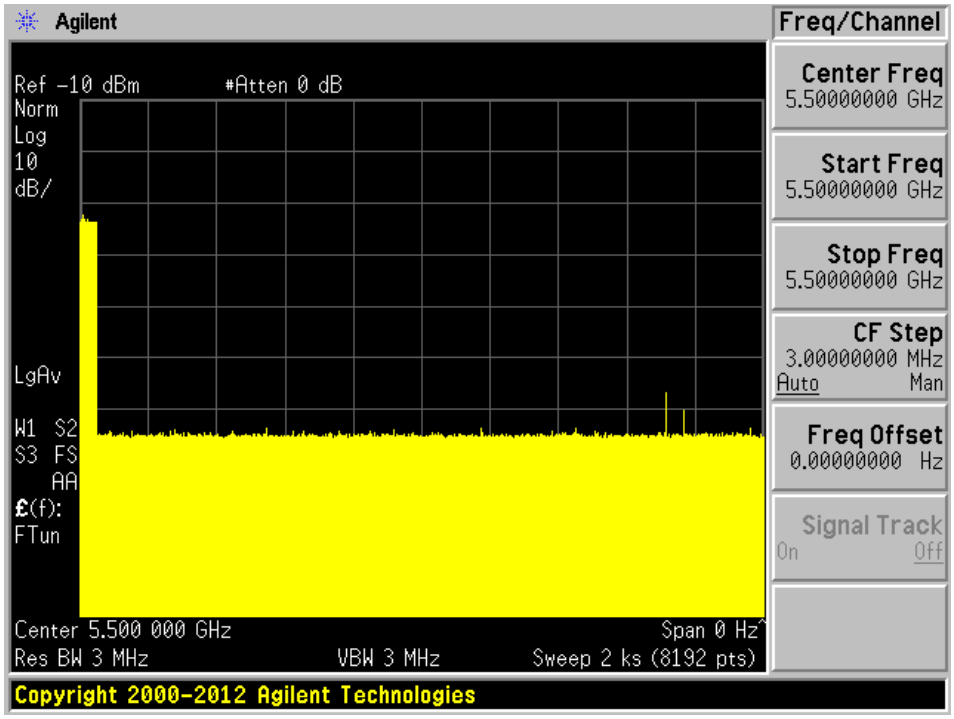
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5260	20	No transmission within 30 minutes
5500	20	No transmission within 30 minutes

Please refer to the following plots.

5260 MHz, Bandwidth 20 MHz



5500 MHz, Bandwidth 20 MHz



9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

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

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

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

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

Test Results

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5260	5250	5270	20	100%	Compliance
5270	5250	5290	40	100%	Compliance
5290	5251	5329	78	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 = 18 MHz; 18 x 100% = 18 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 = 18 MHz; 18 x 100% = 18 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 = 38 MHz; 38 x 100% = 38 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 = 38 MHz; 38 x 100% = 38 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 (%)**
5250	0	0	0	0	0	0	0	0	0	0	0 %
5251(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 %
5329(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5330	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5330-5250=78 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	100 %	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	65	1	818	1
2	5260	58	1	918	1
3	5260	83	1	638	1
4	5260	95	1	558	1
5	5260	81	1	658	1
6	5250	70	1	758	1
7	5250	89	1	598	1
8	5250	92	1	578	1
9	5250	57	1	938	1
10	5250	18	1	3066	1
11	5270	102	1	518	1
12	5270	62	1	858	1
13	5270	86	1	618	1
14	5270	74	1	718	1
15	5270	68	1	778	1
16	5260	20	1	2711	1
17	5260	28	1	1898	1
18	5260	19	1	2896	1
19	5260	33	1	1639	1
20	5260	20	1	2681	1
21	5250	51	1	1043	1
22	5250	71	1	752	1
23	5250	18	1	2976	1
24	5250	24	1	2245	1
25	5250	42	1	1268	1
26	5270	21	1	2559	1
27	5270	46	1	1150	1
28	5270	32	1	1700	1
29	5270	38	1	1412	1
30	5270	43	1	1232	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	27	1.5	160	1
2	5260	27	2.3	223	1
3	5260	25	2.8	200	1
4	5260	25	1.2	163	1
5	5260	28	4.9	216	1
6	5260	28	3.2	200	1
7	5260	28	4.8	179	1
8	5260	26	1	150	1
9	5260	29	2.1	175	1
10	5260	27	2.7	203	1
11	5250	24	1.4	150	1
12	5250	25	5	221	1
13	5250	27	4.7	204	1
14	5250	28	3.4	187	1
15	5250	27	2.7	152	1
16	5250	26	1.2	157	1
17	5250	25	1.5	168	1
18	5250	26	2.5	228	1
19	5250	26	1.8	201	1
20	5250	27	4.7	183	1
21	5270	24	4.6	227	1
22	5270	24	1.5	215	1
23	5270	23	5	221	1
24	5270	28	4.5	161	1
25	5270	24	1.6	195	1
26	5270	29	3.6	221	1
27	5270	28	4.1	170	1
28	5270	23	4.5	151	1
29	5270	27	1	189	1
30	5270	24	2.4	191	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	16	9.9	416	1
2	5260	17	9.4	461	1
3	5260	17	7.9	438	1
4	5260	17	7.9	494	1
5	5260	16	8.5	401	1
6	5260	16	8.3	425	1
7	5260	18	9.1	425	1
8	5260	16	8.8	277	1
9	5260	18	9.4	369	1
10	5260	16	9.7	463	1
11	5250	17	6	490	1
12	5250	18	10	451	1
13	5250	18	6.7	484	1
14	5250	18	6.3	389	1
15	5250	18	9.2	212	1
16	5250	17	6.8	301	1
17	5250	17	6.1	401	1
18	5250	18	8.2	449	1
19	5250	17	6	353	1
20	5250	17	9.5	424	1
21	5270	18	10	203	1
22	5270	16	6.1	215	1
23	5270	16	8.6	257	1
24	5270	16	8.7	497	1
25	5270	17	9.3	357	1
26	5270	16	8.4	385	1
27	5270	17	6.2	289	1
28	5270	16	8.6	493	1
29	5270	17	9.8	307	1
30	5270	18	9.9	227	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	15	19.5	213	1
2	5260	12	17.6	266	1
3	5260	16	19	268	1
4	5260	13	19.7	338	1
5	5260	14	12.1	293	1
6	5260	14	14.9	260	1
7	5260	14	13.4	264	1
8	5260	16	20	479	1
9	5260	16	11.8	482	1
10	5260	15	18.3	296	1
11	5250	15	14.2	453	1
12	5250	16	19	456	1
13	5250	13	16.6	345	1
14	5250	14	14	362	1
15	5250	16	19.6	481	1
16	5250	14	15	457	1
17	5250	13	12.9	373	1
18	5250	13	18.5	442	1
19	5250	14	13.3	422	1
20	5250	12	12.8	489	1
21	5270	15	14.6	420	1
22	5270	14	12	414	1
23	5270	14	11.1	392	1
24	5270	14	18.8	383	1
25	5270	16	11.5	328	1
26	5270	13	17.8	316	1
27	5270	16	13.5	266	1
28	5270	12	15	367	1
29	5270	14	14.8	213	1
30	5270	13	16.9	384	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	5254.8	1
12	5257.6	1
13	5256.4	1
14	5256.4	1
15	5256.0	1
16	5253.6	1
17	5257.6	1
18	5256.8	1
19	5256.4	1
20	5253.2	1
21	5266.4	1
22	5262.8	1
23	5267.6	1
24	5264.0	1
25	5264.4	1
26	5266.0	1
27	5264.4	1
28	5265.2	1
29	5267.2	1
30	5262.0	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	8	83.3	1465		0.835894	1
1	2	8	58.6	1208		1.85701	
2	2	8	66.1	1601		2.484987	
3	2	8	76.6	1822		4.366813	
4	1	8	75.6			4.867201	
5	3	8	58.1	1332	1091	6.103829	
6	2	8	67.9	1114		8.336173	
7	3	8	80.5	1475	1843	8.432398	
8	3	8	51.4	1522	1462	10.452317	
9	2	8	51.9	1622		11.639021	

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	51.9			0.421244	1
1	2	12	52.4	1354		1.091595	
2	2	12	71.9	1092		2.247061	
3	3	12	82.1	1445	1853	3.08409	
4	3	12	87.2	1357	1807	3.380594	
5	3	12	61	1589	1505	4.409774	
6	1	12	74.7			5.224669	
7	2	12	60.7	1159		5.812719	
8	1	12	97.4			7.189203	
9	2	12	61.3	1216		7.42252	
10	2	12	85.6	1430		8.521949	
11	2	12	93.7	1283		8.950739	
12	3	12	56.2	1389	1175	9.933676	
13	3	12	87.9	1384	1106	10.568814	
14	3	12	90	1887	1829	11.609039	

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	8	80.2	1177	1349	0.94174	
1	3	8	77.3	1840	1726	1.992649	
2	2	8	50.4	1496		3.256829	
3	2	8	76.5	1525		3.927424	
4	2	8	64.1	1906		4.69016	
5	2	8	86.9	1202		6.145444	1
6	3	8	99.7	1232	1389	6.90652	
7	2	8	57.3	1345		8.605156	
8	1	8	58.4			8.906942	
9	1	8	60.4			10.279079	
10	2	8	57.5	1722		11.104189	

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	8	75.9	1448	1465	0.242747	
1	2	8	61.2	1773		1.246787	
2	3	8	88.7	1642	1641	2.209375	
3	1	8	85.3			2.746419	
4	3	8	95.5	1750	1595	3.60055	
5	2	8	81.9	1316		4.321086	
6	2	8	89.2	1364		5.523297	
7	2	8	74.7	1854		6.775956	1
8	2	8	89.1	1881		7.648737	
9	2	8	85.9	1763		8.104028	
10	2	8	59	1373		9.245781	
11	2	8	91.7	1794		9.635423	
12	2	8	59.8	1337		10.402322	
13	3	8	69.4	1830	1906	11.572746	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	98.2	1091	1128	0.590251	1
1	3	13	94.7	1689	1046	1.250038	
2	2	13	77.8	1625		1.812074	
3	3	13	68	1125	1317	2.891018	
4	2	13	78.2	1018		3.598542	
5	2	13	75.8	1675		3.766273	
6	1	13	97.7			4.686914	
7	2	13	88.6	1451		5.474516	
8	3	13	77.3	1836	1376	6.620861	
9	2	13	86.6	1496		7.366694	
10	1	13	93.5			7.838894	
11	2	13	55.2	1576		8.423742	
12	3	13	59.1	1446	1928	9.499015	
13	1	13	87.6			10.135894	
14	2	13	50.2	1191		10.828637	
15	3	13	85	1994	1231	11.658153	

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	70.7	1424		0.427603	
1	2	7	56.5	1496		1.233443	
2	2	7	88.3	1299		1.42052	
3	3	7	74.1	1841	1792	2.452707	
4	1	7	52.9			2.631725	
5	3	7	94.7	1357	1461	3.483958	
6	2	7	59.7	1574		4.188179	
7	1	7	77.6			4.592568	
8	1	7	66.4			5.621968	
9	3	7	86.5	1582	1230	5.966781	1
10	1	7	59.7			6.496226	
11	3	7	89.4	1018	1280	7.261478	
12	2	7	96.4	1762		7.710375	
13	3	7	67.3	1047	1109	8.392113	
14	1	7	77.4			9.004024	
15	2	7	69.5	1505		9.686628	
16	1	7	52			10.300672	
17	2	7	70.6	1477		10.789434	
18	1	7	59.3			11.847467	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	96.9	1969		0.576647	
1	2	5	97.6	1481		1.430862	
2	1	5	70			2.324806	
3	2	5	65.4	1488		2.740028	
4	3	5	58.2	1374	1037	3.266583	
5	3	5	90	1709	1231	4.26405	
6	2	5	97.6	1418		5.155862	
7	1	5	81.6			6.128098	1
8	2	5	52.3	1043		6.416321	
9	2	5	78.7	1693		7.512195	
10	3	5	80.8	1287	1115	8.322756	
11	2	5	71.9	1233		9.155173	
12	1	5	63.1			9.930181	
13	1	5	60			10.562158	
14	2	5	64.8	1207		11.901431	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	50.1	1829	1963	0.527758	
1	2	8	94.1	1009		1.544638	
2	2	8	71.6	1398		2.439838	
3	3	8	68.3	1940	1342	2.62093	
4	2	8	83.6	1622		3.492051	
5	2	8	77.9	1543		5.115041	
6	3	8	58.7	1994	1490	5.975822	
7	3	8	96.7	1671	1391	6.225984	1
8	2	8	82.1	1538		6.928116	
9	2	8	97.4	1287		7.812946	
10	2	8	94.5	1700		9.329896	
11	1	8	74			9.973825	
12	2	8	55.7	1365		10.861056	
13	2	8	64.2	1679		11.38028	

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	16	78.1	1828	1835	0.236898	
1	2	16	85.4	1688		1.9672	
2	2	16	88.2	1908		3.247553	
3	1	16	67.9			3.428505	
4	3	16	98.2	1539	1792	5.064743	
5	3	16	53.7	1483	1418	6.363543	1
6	2	16	54	1267		6.657878	
7	2	16	79.5	1689		7.78194	
8	2	16	93.7	1322		9.662806	
9	3	16	97.7	1458	1899	9.831523	
10	2	16	73.7	1806		11.382094	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	57.9	1645		0.674862	
1	3	6	73.1	1359	1994	1.275881	
2	3	6	81.5	1339	1535	1.984178	
3	2	6	86.4	1846		2.354774	
4	2	6	67.4	1711		3.203884	
5	2	6	87.5	1049		3.889701	
6	2	6	63.7	1475		4.754022	
7	1	6	74.1			5.043588	
8	2	6	82.3	1875		5.679953	1
9	2	6	62.9	1437		6.949187	
10	2	6	84	1969		7.711438	
11	2	6	53.1	1445		8.310493	
12	3	6	90.2	1381	1754	9.072239	
13	2	6	58.4	1339		9.826663	
14	2	6	59.5	1344		10.09408	
15	2	6	61.4	1721		10.959339	
16	2	6	68	1396		11.421207	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	73.5	1577	1633	0.676995	1
1	2	12	50.2	1149		1.00752	
2	1	12	72.9			1.755524	
3	2	12	67	1088		2.444271	
4	1	12	77.6			3.377634	
5	1	12	52.2			3.813596	
6	2	12	66.3	1172		4.977706	
7	2	12	84.8	1459		5.30976	
8	2	12	98.9	1096		6.564575	
9	1	12	57.2			6.979906	
10	2	12	67.9	1076		8.230054	
11	2	12	55.7	1630		8.957052	
12	3	12	77.2	1607	1328	9.145926	
13	3	12	90.9	1854	1102	10.180949	
14	1	12	63.6			10.922752	
15	2	12	79	1573		11.263572	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	83.3			0.116674	1
1	3	19	60.2	1055	1609	1.543742	
2	2	19	75.8	1873		2.525403	
3	3	19	77.4	1768	1118	4.538068	
4	1	19	70.7			5.084235	
5	2	19	81.4	1462		6.284038	
6	2	19	71.2	1763		7.530497	
7	2	19	97.9	1031		9.322672	
8	2	19	55.3	1924		10.428057	
9	2	19	60.9	1412		11.639202	

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	64.5	1580		0.174148	
1	2	16	53.5	1067		1.694122	
2	2	16	85.4	1981		2.435841	
3	2	16	98.8	1059		3.636314	
4	3	16	99.7	1352	1988	4.381563	
5	2	16	74.5	1377		6.233637	1
6	2	16	87.5	1406		7.115911	
7	2	16	62.6	1854		7.658718	
8	3	16	72.2	1241	1825	9.1665	
9	3	16	78	1695	1437	10.064025	
10	3	16	97.1	1556	1389	11.116041	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	73.5	1363		0.224091	
1	3	16	61.3	1466	1122	1.091446	
2	1	16	99.9			2.443573	
3	2	16	78.4	1792		3.545679	
4	1	16	54.1			4.982349	
5	3	16	54.2	1991	1953	6.292503	1
6	2	16	59.8	1292		6.716336	
7	1	16	64.5			8.665551	
8	1	16	88			9.765613	
9	2	16	59.4	1761		9.865265	
10	1	16	85.3			11.755474	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	61.3	1745		0.605132	
1	2	15	80.7	1725		1.314529	
2	3	15	70.3	1169	1598	2.405604	
3	1	15	78.3			3.203546	
4	2	15	95.9	1900		3.806432	
5	2	15	62.2	1294		5.244746	
6	3	15	77.3	1172	1849	6.326078	1
7	1	15	65.6			6.534406	
8	3	15	85.8	1972	1314	7.948016	
9	2	15	51	1801		8.490096	
10	2	15	55.6	1213		9.340092	
11	2	15	87.8	1620		10.711292	
12	2	15	90.6	1264		11.777679	

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	9	87.5	1151		1.055997	
1	2	9	68.1	1308		1.498136	
2	2	9	82	1374		2.558965	
3	2	9	60.4	1049		3.931802	
4	1	9	77.7			5.97166	
5	1	9	64.1			6.700525	1
6	3	9	83.3	1679	1335	7.58431	
7	2	9	62.9	1871		8.559121	
8	2	9	62.3	1109		9.815738	
9	1	9	56.4			11.014765	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	79.6	1225	1672	0.236182	1
1	2	19	76.9	1703		1.279915	
2	3	19	55.3	1210	1811	1.663173	
3	1	19	88.3			2.626637	
4	1	19	76.7			3.716149	
5	1	19	98.8			4.417017	
6	2	19	84.8	1976		4.588665	
7	1	19	81.7			5.401396	
8	2	19	76.2	1436		6.517133	
9	2	19	67.3	1251		6.837151	
10	2	19	56.8	1600		8.085098	
11	3	19	87.7	1185	1862	8.589247	
12	2	19	92.4	1151		9.215621	
13	2	19	72.1	1736		10.385661	
14	2	19	70.5	1585		11.199136	
15	2	19	73.6	1141		11.556567	

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	17	68.6	1235		0.631961	1
1	1	17	89.7			1.487944	
2	1	17	71.2			2.849253	
3	1	17	53.2			3.5103	
4	1	17	64.1			4.633485	
5	2	17	96.7	1069		5.262692	
6	1	17	62.3			6.61419	
7	2	17	86.3	1899		7.17323	
8	1	17	72.5			8.232863	
9	2	17	92.1	1628		9.240916	
10	2	17	75.1	1106		10.286384	
11	1	17	81.1			11.842523	

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	82.2	1262		0.379004	
1	1	16	93.2			1.663872	
2	1	16	95.1			3.542237	
3	3	16	73.2	1522	1826	4.781644	
4	2	16	90.2	1936		6.159682	1
5	1	16	59.5			6.695363	
6	1	16	69.6			8.756826	
7	2	16	75.3	1020		10.237956	
8	2	16	79	1187		11.901819	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	69.2	1366		0.081495	
1	1	8	86.6			0.918561	
2	3	8	74.2	1498	1778	1.448915	
3	2	8	53.1	1951		1.992117	
4	1	8	81.2			3.059913	
5	2	8	93.5	1224		3.486015	
6	1	8	61.6			4.342255	
7	2	8	86.3	1755		4.805488	
8	1	8	70.6			5.559429	
9	2	8	91.6	1657		5.92907	1
10	1	8	73.2			6.79515	
11	2	8	63.8	1471		7.273104	
12	2	8	61	1721		7.611819	
13	2	8	75.2	1422		8.778521	
14	2	8	80.4	1326		8.997884	
15	1	8	62.9			9.883738	
16	1	8	62.7			10.635942	
17	3	8	90.6	1264	1797	11.285856	
18	2	8	71.1	1295		11.671902	

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	55.6	1335	1461	0.206407	1
1	1	9	63.2			1.178216	
2	1	9	54.8			1.963337	
3	2	9	93.9	1849		2.171511	
4	1	9	52.3			3.003586	
5	2	9	93	1360		3.874932	
6	2	9	65.1	1002		4.191225	
7	3	9	98.1	1736	1157	5.287636	
8	2	9	76.1	1065		5.851102	
9	3	9	93.5	1439	1540	6.043573	
10	1	9	93.2			6.948672	
11	3	9	99.2	1967	1050	7.621605	
12	2	9	50.2	1218		8.210597	
13	1	9	61.7			8.743007	
14	2	9	55.1	1587		9.391881	
15	1	9	88.8			10.106455	
16	2	9	96.8	1119		11.112969	
17	3	9	60.9	1952	1897	11.569473	

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	18	98.6			0.404076	1
1	1	18	57.7			1.415878	
2	3	18	58.4	1692	1680	1.802818	
3	1	18	87.1			2.996079	
4	2	18	73	1216		3.589393	
5	3	18	72.7	1812	1346	4.137073	
6	1	18	86.7			4.854105	
7	3	18	85.6	1852	1799	6.164794	
8	3	18	98.6	1070	1497	6.608342	
9	2	18	50.2	1195		7.741684	
10	2	18	55.2	1505		8.768845	
11	2	18	77.9	1859		9.335374	
12	2	18	89.3	1428		10.254133	
13	2	18	82.6	1785		10.505439	
14	2	18	60.7	1313		11.816879	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	76.3			0.360269	
1	2	6	90	1833		2.144774	
2	3	6	85.5	1353	1258	2.897547	
3	3	6	78.4	1295	1945	4.063447	
4	2	6	90	1583		6.362526	1
5	1	6	50.4			7.301184	
6	3	6	87.8	1998	1763	9.221536	
7	2	6	94.6	1601		10.407522	
8	1	6	82.5			11.939721	

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	15	72.2	1529		0.114449	
1	2	15	68.5	1481		1.48844	
2	2	15	91.2	1734		2.069067	
3	3	15	73.9	1236	1715	2.738107	
4	3	15	99.6	1282	1382	3.890124	
5	2	15	61.5	1307		4.172972	
6	1	15	98.9			5.501076	
7	2	15	50.7	1489		5.907405	1
8	3	15	71.4	1606	1607	6.912156	
9	2	15	93.9	1880		7.831874	
10	1	15	74.9			8.285417	
11	2	15	58.5	1836		9.478724	
12	1	15	72.9			9.969733	
13	2	15	50.4	1956		11.002643	
14	2	15	76.7	1354		11.484597	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	86.5			0.585517	
1	1	14	88.2			1.04626	
2	3	14	79.8	1685	1128	1.48593	
3	2	14	78.2	1302		1.920764	
4	3	14	66.2	1626	1640	2.814278	
5	1	14	89.1			3.303521	
6	2	14	78.3	1155		3.805554	
7	2	14	66	1468		4.521656	
8	1	14	80.4			5.234728	
9	1	14	99.4			5.957016	1
10	2	14	56.8	1152		6.808185	
11	2	14	94.4	1257		7.292351	
12	2	14	91.8	1857		7.775209	
13	2	14	52.9	1565		8.605998	
14	1	14	87.5			9.313696	
15	3	14	52.1	1582	1674	9.885047	
16	3	14	51.5	1172	1458	10.639617	
17	1	14	51.5			11.306079	
18	1	14	98			11.963702	

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	67.7	1691		0.923459	
1	1	10	77.3			2.009561	
2	2	10	58.3	1612		2.936693	
3	2	10	90.2	1902		3.948873	
4	1	10	60.6			4.794149	
5	2	10	95.3	1342		6.484585	1
6	1	10	67.3			7.165861	
7	1	10	82.4			7.835693	
8	3	10	63.5	1388	1982	8.86573	
9	2	10	82.2	1785		10.591579	
10	2	10	78.8	1761		10.917064	

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	14	60.2			0.478806	1
1	3	14	97.8	1257	1247	0.929582	
2	1	14	93.1			2.507744	
3	2	14	96.4	1452		3.187137	
4	3	14	84.5	1054	1522	4.248006	
5	2	14	64.7	1835		5.06199	
6	2	14	72.8	1337		5.800088	
7	2	14	82.2	1069		6.634188	
8	2	14	93.6	1367		7.33714	
9	1	14	73.6			8.026694	
10	1	14	69.3			8.647632	
11	3	14	97.3	1493	1615	9.680392	
12	2	14	97.4	1953		10.297352	
13	2	14	64.9	1057		11.348336	

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	12	51.2	1375		0.056607	1
1	3	12	78.5	1395	1178	1.797672	
2	3	12	90.8	1860	1763	3.512725	
3	3	12	72.2	1329	1040	3.662205	
4	1	12	79.2			4.957495	
5	3	12	70.6	1928	1550	6.95323	
6	2	12	82.8	1319		7.991171	
7	2	12	58.6	1085		8.667669	
8	1	12	53.6			10.251312	
9	2	12	78.9	1130		11.408766	

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	7	62.3	1639		0.78854	
1	3	7	79	1618	1025	1.205379	
2	2	7	69.3	1800		2.234492	
3	2	7	86.2	1866		2.643257	
4	3	7	52.5	1403	1999	3.769556	
5	1	7	78.7			4.756852	
6	1	7	76.6			5.913743	
7	2	7	97.2	1967		6.059326	1
8	3	7	56.8	1986	1388	7.34491	
9	1	7	52.6			8.499727	
10	2	7	74.6	1412		9.36085	
11	2	7	70.6	1381		10.263449	
12	2	7	54	1052		10.674554	
13	2	7	61.6	1719		11.786271	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	91.9			0.438992	
1	2	20	75	1363		1.010253	
2	3	20	73.6	1942	1250	1.994371	
3	2	20	64.8	1425		2.592626	
4	1	20	55.2			3.097921	
5	3	20	72.9	1615	1780	3.675356	
6	2	20	92.2	1630		4.25417	
7	3	20	53.7	1390	1965	5.331932	
8	2	20	95.7	1087		6.168354	1
9	2	20	57.6	1939		6.500946	
10	1	20	55.2			7.381192	
11	3	20	96	1258	1353	7.808311	
12	3	20	67	1065	1351	8.779169	
13	1	20	54.3			9.260298	
14	2	20	62.8	1394		10.179174	
15	3	20	59.1	1320	1004	11.079442	
16	3	20	87	1663	1614	11.619448	

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	5282.0, 5597.0, 5543.0, 5291.0, 5255.0, 5438.0, 5538.0, 5639.0, 5638.0, 5689.0, 5565.0, 5350.0, 5483.0, 5714.0, 5706.0, 5515.0, 5371.0, 5723.0, 5469.0, 5442.0, 5558.0, 5589.0, 5491.0, 5662.0, 5324.0, 5608.0, 5556.0, 5318.0, 5669.0, 5677.0, 5667.0, 5304.0, 5590.0, 5346.0, 5572.0, 5259.0, 5316.0, 5365.0, 5537.0, 5349.0, 5493.0, 5368.0, 5258.0, 5517.0, 5581.0, 5449.0, 5430.0, 5419.0, 5567.0, 5264.0, 5649.0, 5501.0, 5643.0, 5532.0, 5540.0, 5712.0, 5561.0, 5352.0, 5487.0, 5396.0, 5393.0, 5373.0, 5319.0, 5416.0, 5367.0, 5522.0, 5618.0, 5631.0, 5315.0, 5326.0, 5632.0, 5659.0, 5446.0, 5361.0, 5341.0, 5488.0, 5441.0, 5599.0, 5663.0, 5270.0, 5265.0, 5605.0, 5260.0, 5699.0, 5688.0, 5299.0, 5321.0, 5534.0, 5579.0, 5509.0, 5614.0, 5464.0, 5516.0, 5576.0, 5612.0, 5559.0, 5268.0, 5274.0, 5394.0, 5443.0 (number of hits: 7)
2	5260	9	1	333	1	5281.0, 5682.0, 5335.0, 5264.0, 5451.0, 5669.0, 5288.0, 5314.0, 5706.0, 5260.0, 5685.0, 5429.0, 5430.0, 5520.0, 5294.0, 5642.0, 5471.0, 5413.0, 5297.0, 5664.0, 5489.0, 5515.0, 5666.0, 5296.0, 5346.0, 5284.0, 5446.0, 5449.0, 5383.0, 5550.0, 5572.0, 5336.0, 5437.0, 5308.0, 5310.0, 5612.0, 5637.0, 5501.0, 5436.0, 5659.0, 5268.0, 5457.0, 5495.0, 5256.0, 5389.0, 5460.0, 5271.0, 5330.0, 5415.0, 5462.0, 5722.0, 5432.0, 5419.0, 5534.0, 5258.0, 5707.0, 5311.0, 5687.0, 5678.0, 5364.0, 5508.0, 5300.0, 5252.0, 5395.0, 5589.0, 5531.0, 5593.0, 5665.0, 5493.0, 5713.0, 5569.0, 5636.0, 5640.0, 5512.0, 5405.0, 5579.0, 5522.0, 5649.0, 5442.0, 5337.0, 5382.0, 5291.0, 5532.0, 5610.0, 5392.0, 5499.0, 5398.0, 5509.0, 5502.0, 5524.0, 5695.0, 5367.0, 5625.0, 5456.0, 5328.0, 5385.0, 5516.0, 5527.0, 5599.0, 5536.0 (number of hits: 6)
3	5260	9	1	333	1	5547.0, 5301.0, 5704.0, 5362.0, 5360.0, 5681.0, 5622.0, 5538.0, 5680.0, 5672.0, 5674.0, 5257.0, 5653.0, 5555.0, 5518.0, 5413.0, 5451.0, 5484.0, 5565.0, 5347.0, 5471.0, 5702.0, 5506.0, 5409.0, 5531.0, 5383.0, 5407.0, 5350.0, 5688.0, 5701.0, 5258.0, 5552.0, 5492.0, 5638.0, 5675.0, 5326.0, 5627.0, 5389.0, 5613.0, 5399.0, 5286.0, 5500.0, 5673.0, 5447.0, 5609.0, 5436.0, 5468.0, 5594.0, 5511.0, 5402.0, 5371.0, 5361.0, 5682.0, 5435.0, 5382.0, 5498.0, 5545.0, 5644.0, 5256.0, 5710.0,

						5616.0, 5571.0, 5349.0, 5300.0, 5342.0, 5703.0, 5464.0, 5368.0, 5521.0, 5369.0, 5322.0, 5600.0, 5309.0, 5478.0, 5507.0, 5254.0, 5715.0, 5528.0, 5524.0, 5480.0, 5474.0, 5279.0, 5572.0, 5290.0, 5558.0, 5294.0, 5276.0, 5428.0, 5614.0, 5634.0, 5630.0, 5668.0, 5513.0, 5658.0, 5625.0, 5693.0, 5692.0, 5432.0, 5499.0, 5508.0 (number of hits: 4)
4	5260	9	1	333	1	5516.0, 5317.0, 5468.0, 5493.0, 5365.0, 5325.0, 5378.0, 5355.0, 5577.0, 5622.0, 5354.0, 5719.0, 5642.0, 5463.0, 5724.0, 5524.0, 5491.0, 5521.0, 5322.0, 5338.0, 5436.0, 5412.0, 5583.0, 5625.0, 5501.0, 5391.0, 5569.0, 5330.0, 5689.0, 5647.0, 5278.0, 5712.0, 5390.0, 5606.0, 5687.0, 5538.0, 5287.0, 5315.0, 5556.0, 5359.0, 5585.0, 5333.0, 5441.0, 5634.0, 5666.0, 5638.0, 5561.0, 5587.0, 5479.0, 5301.0, 5549.0, 5566.0, 5564.0, 5574.0, 5401.0, 5550.0, 5337.0, 5484.0, 5292.0, 5334.0, 5641.0, 5281.0, 5381.0, 5275.0, 5682.0, 5673.0, 5482.0, 5672.0, 5387.0, 5445.0, 5266.0, 5557.0, 5400.0, 5567.0, 5541.0, 5533.0, 5273.0, 5602.0, 5459.0, 5603.0, 5386.0, 5714.0, 5438.0, 5596.0, 5466.0, 5399.0, 5393.0, 5435.0, 5444.0, 5316.0, 5497.0, 5609.0, 5335.0, 5447.0, 5535.0, 5720.0, 5706.0, 5299.0, 5455.0, 5665.0 (number of hits: 1)
5	5260	9	1	333	1	5318.0, 5670.0, 5400.0, 5625.0, 5495.0, 5476.0, 5539.0, 5382.0, 5665.0, 5672.0, 5624.0, 5584.0, 5485.0, 5598.0, 5349.0, 5282.0, 5285.0, 5496.0, 5547.0, 5305.0, 5283.0, 5471.0, 5354.0, 5409.0, 5401.0, 5263.0, 5360.0, 5516.0, 5399.0, 5451.0, 5292.0, 5435.0, 5513.0, 5711.0, 5479.0, 5563.0, 5597.0, 5417.0, 5343.0, 5410.0, 5614.0, 5407.0, 5611.0, 5298.0, 5699.0, 5616.0, 5268.0, 5577.0, 5523.0, 5529.0, 5490.0, 5693.0, 5522.0, 5546.0, 5551.0, 5274.0, 5502.0, 5553.0, 5308.0, 5466.0, 5685.0, 5534.0, 5530.0, 5335.0, 5663.0, 5258.0, 5430.0, 5350.0, 5478.0, 5362.0, 5264.0, 5267.0, 5657.0, 5683.0, 5311.0, 5418.0, 5329.0, 5570.0, 5541.0, 5557.0, 5270.0, 5571.0, 5576.0, 5480.0, 5573.0, 5488.0, 5605.0, 5578.0, 5394.0, 5587.0, 5717.0, 5470.0, 5419.0, 5709.0, 5445.0, 5714.0, 5519.0, 5489.0, 5494.0, 5622.0 (number of hits: 5)
6	5260	9	1	333	1	5708.0, 5424.0, 5517.0, 5465.0, 5389.0, 5261.0, 5284.0, 5271.0, 5436.0, 5640.0, 5597.0, 5356.0, 5404.0, 5382.0, 5270.0, 5298.0, 5299.0, 5475.0, 5601.0, 5504.0, 5658.0, 5267.0, 5689.0, 5295.0, 5513.0, 5412.0, 5472.0, 5521.0, 5456.0, 5622.0, 5669.0, 5585.0, 5302.0, 5377.0, 5429.0, 5590.0, 5698.0, 5616.0, 5428.0, 5384.0,

						5258.0, 5536.0, 5433.0, 5501.0, 5535.0, 5531.0, 5582.0, 5340.0, 5440.0, 5586.0, 5293.0, 5452.0, 5418.0, 5438.0, 5437.0, 5628.0, 5359.0, 5280.0, 5721.0, 5553.0, 5443.0, 5648.0, 5543.0, 5693.0, 5251.0, 5637.0, 5568.0, 5330.0, 5570.0, 5415.0, 5554.0, 5269.0, 5500.0, 5703.0, 5385.0, 5357.0, 5413.0, 5492.0, 5680.0, 5277.0, 5515.0, 5453.0, 5675.0, 5620.0, 5461.0, 5338.0, 5400.0, 5591.0, 5606.0, 5285.0, 5450.0, 5509.0, 5435.0, 5643.0, 5468.0, 5457.0, 5272.0, 5331.0, 5574.0, 5519.0 (number of hits: 5)
7	5260	9	1	333	1	5515.0, 5576.0, 5307.0, 5679.0, 5337.0, 5625.0, 5305.0, 5358.0, 5456.0, 5282.0, 5266.0, 5661.0, 5446.0, 5467.0, 5327.0, 5344.0, 5463.0, 5288.0, 5702.0, 5389.0, 5550.0, 5641.0, 5527.0, 5642.0, 5294.0, 5637.0, 5321.0, 5507.0, 5455.0, 5720.0, 5333.0, 5444.0, 5489.0, 5349.0, 5508.0, 5434.0, 5271.0, 5447.0, 5706.0, 5289.0, 5390.0, 5393.0, 5640.0, 5537.0, 5575.0, 5574.0, 5474.0, 5614.0, 5699.0, 5451.0, 5666.0, 5664.0, 5595.0, 5420.0, 5526.0, 5437.0, 5633.0, 5598.0, 5704.0, 5585.0, 5383.0, 5512.0, 5519.0, 5293.0, 5561.0, 5370.0, 5445.0, 5594.0, 5460.0, 5343.0, 5372.0, 5419.0, 5660.0, 5279.0, 5251.0, 5371.0, 5542.0, 5310.0, 5504.0, 5644.0, 5424.0, 5495.0, 5306.0, 5414.0, 5657.0, 5443.0, 5667.0, 5722.0, 5413.0, 5517.0, 5589.0, 5687.0, 5493.0, 5388.0, 5627.0, 5346.0, 5539.0, 5676.0, 5490.0, 5427.0 (number of hits: 2)
8	5260	9	1	333	1	5450.0, 5644.0, 5543.0, 5257.0, 5707.0, 5378.0, 5562.0, 5571.0, 5369.0, 5470.0, 5343.0, 5437.0, 5306.0, 5496.0, 5647.0, 5281.0, 5680.0, 5652.0, 5380.0, 5601.0, 5353.0, 5704.0, 5280.0, 5266.0, 5372.0, 5550.0, 5573.0, 5401.0, 5715.0, 5579.0, 5563.0, 5314.0, 5483.0, 5398.0, 5255.0, 5655.0, 5631.0, 5595.0, 5402.0, 5333.0, 5706.0, 5283.0, 5692.0, 5578.0, 5428.0, 5634.0, 5376.0, 5696.0, 5277.0, 5278.0, 5660.0, 5503.0, 5517.0, 5494.0, 5674.0, 5622.0, 5259.0, 5621.0, 5399.0, 5464.0, 5646.0, 5506.0, 5337.0, 5587.0, 5653.0, 5279.0, 5298.0, 5580.0, 5490.0, 5642.0, 5297.0, 5272.0, 5522.0, 5432.0, 5404.0, 5392.0, 5254.0, 5556.0, 5593.0, 5512.0, 5349.0, 5722.0, 5705.0, 5554.0, 5584.0, 5488.0, 5311.0, 5703.0, 5382.0, 5685.0, 5699.0, 5468.0, 5482.0, 5609.0, 5676.0, 5366.0, 5552.0, 5514.0, 5721.0, 5574.0 (number of hits: 5)
9	5260	9	1	333	1	5336.0, 5379.0, 5704.0, 5280.0, 5513.0, 5298.0, 5480.0, 5712.0, 5502.0, 5359.0, 5477.0, 5599.0, 5409.0, 5424.0, 5406.0, 5499.0, 5577.0, 5620.0, 5654.0, 5488.0,

						5573.0, 5459.0, 5291.0, 5266.0, 5401.0, 5426.0, 5583.0, 5641.0, 5317.0, 5385.0, 5516.0, 5593.0, 5675.0, 5400.0, 5555.0, 5432.0, 5549.0, 5643.0, 5714.0, 5311.0, 5713.0, 5357.0, 5604.0, 5281.0, 5695.0, 5269.0, 5390.0, 5352.0, 5260.0, 5645.0, 5609.0, 5251.0, 5630.0, 5386.0, 5403.0, 5367.0, 5493.0, 5533.0, 5301.0, 5417.0, 5508.0, 5454.0, 5416.0, 5337.0, 5537.0, 5534.0, 5526.0, 5456.0, 5272.0, 5717.0, 5571.0, 5607.0, 5701.0, 5705.0, 5552.0, 5419.0, 5491.0, 5561.0, 5656.0, 5340.0, 5512.0, 5649.0, 5254.0, 5592.0, 5544.0, 5438.0, 5558.0, 5636.0, 5517.0, 5292.0, 5603.0, 5687.0, 5338.0, 5341.0, 5560.0, 5474.0, 5691.0, 5550.0, 5585.0, 5681.0 (number of hits: 5)
10	5260	9	1	333	1	5670.0, 5436.0, 5562.0, 5620.0, 5415.0, 5435.0, 5600.0, 5457.0, 5559.0, 5525.0, 5344.0, 5496.0, 5328.0, 5250.0, 5286.0, 5716.0, 5299.0, 5541.0, 5673.0, 5518.0, 5448.0, 5721.0, 5499.0, 5430.0, 5682.0, 5691.0, 5355.0, 5412.0, 5644.0, 5692.0, 5529.0, 5406.0, 5548.0, 5458.0, 5446.0, 5418.0, 5438.0, 5701.0, 5287.0, 5265.0, 5411.0, 5551.0, 5611.0, 5718.0, 5444.0, 5702.0, 5584.0, 5252.0, 5337.0, 5683.0, 5306.0, 5621.0, 5592.0, 5575.0, 5342.0, 5489.0, 5303.0, 5679.0, 5638.0, 5361.0, 5363.0, 5560.0, 5365.0, 5481.0, 5546.0, 5329.0, 5255.0, 5587.0, 5336.0, 5713.0, 5476.0, 5568.0, 5271.0, 5515.0, 5386.0, 5520.0, 5625.0, 5273.0, 5717.0, 5490.0, 5293.0, 5543.0, 5596.0, 5401.0, 5356.0, 5705.0, 5650.0, 5285.0, 5566.0, 5654.0, 5272.0, 5665.0, 5410.0, 5578.0, 5392.0, 5289.0, 5274.0, 5661.0, 5416.0, 5345.0 (number of hits: 4)
11	5260	9	1	333	1	5519.0, 5605.0, 5351.0, 5509.0, 5387.0, 5320.0, 5715.0, 5334.0, 5712.0, 5660.0, 5311.0, 5428.0, 5702.0, 5679.0, 5445.0, 5675.0, 5661.0, 5607.0, 5266.0, 5393.0, 5659.0, 5676.0, 5691.0, 5523.0, 5433.0, 5540.0, 5570.0, 5431.0, 5711.0, 5254.0, 5647.0, 5546.0, 5472.0, 5459.0, 5417.0, 5639.0, 5382.0, 5609.0, 5347.0, 5323.0, 5678.0, 5305.0, 5487.0, 5644.0, 5453.0, 5462.0, 5298.0, 5413.0, 5685.0, 5359.0, 5566.0, 5356.0, 5437.0, 5582.0, 5723.0, 5335.0, 5261.0, 5713.0, 5432.0, 5648.0, 5706.0, 5550.0, 5569.0, 5562.0, 5502.0, 5326.0, 5301.0, 5449.0, 5716.0, 5281.0, 5424.0, 5539.0, 5599.0, 5560.0, 5588.0, 5554.0, 5576.0, 5705.0, 5360.0, 5530.0, 5279.0, 5697.0, 5650.0, 5303.0, 5710.0, 5708.0, 5534.0, 5400.0, 5555.0, 5586.0, 5490.0, 5579.0, 5369.0, 5664.0, 5491.0, 5529.0, 5471.0, 5427.0, 5404.0, 5694.0 (number of hits: 3)

12	5260	9	1	333	1	5529.0, 5287.0, 5487.0, 5275.0, 5498.0, 5547.0, 5366.0, 5691.0, 5721.0, 5597.0, 5307.0, 5624.0, 5561.0, 5372.0, 5285.0, 5408.0, 5389.0, 5346.0, 5284.0, 5403.0, 5485.0, 5452.0, 5707.0, 5418.0, 5713.0, 5605.0, 5380.0, 5657.0, 5468.0, 5567.0, 5645.0, 5486.0, 5718.0, 5519.0, 5515.0, 5620.0, 5640.0, 5502.0, 5642.0, 5698.0, 5655.0, 5337.0, 5253.0, 5500.0, 5410.0, 5332.0, 5609.0, 5490.0, 5475.0, 5460.0, 5476.0, 5467.0, 5429.0, 5696.0, 5316.0, 5550.0, 5326.0, 5466.0, 5335.0, 5323.0, 5480.0, 5591.0, 5503.0, 5296.0, 5371.0, 5442.0, 5723.0, 5345.0, 5697.0, 5374.0, 5469.0, 5283.0, 5306.0, 5590.0, 5555.0, 5506.0, 5260.0, 5441.0, 5686.0, 5587.0, 5511.0, 5648.0, 5282.0, 5600.0, 5603.0, 5641.0, 5722.0, 5427.0, 5638.0, 5639.0, 5665.0, 5472.0, 5552.0, 5720.0, 5312.0, 5489.0, 5420.0, 5617.0, 5534.0, 5399.0 (number of hits: 2)
13	5260	9	1	333	1	5679.0, 5254.0, 5706.0, 5341.0, 5296.0, 5662.0, 5614.0, 5421.0, 5480.0, 5463.0, 5615.0, 5700.0, 5387.0, 5445.0, 5382.0, 5353.0, 5616.0, 5315.0, 5356.0, 5545.0, 5551.0, 5370.0, 5704.0, 5593.0, 5278.0, 5383.0, 5446.0, 5571.0, 5549.0, 5285.0, 5347.0, 5312.0, 5508.0, 5299.0, 5654.0, 5435.0, 5583.0, 5504.0, 5506.0, 5257.0, 5511.0, 5657.0, 5385.0, 5283.0, 5274.0, 5289.0, 5595.0, 5376.0, 5555.0, 5660.0, 5633.0, 5384.0, 5484.0, 5537.0, 5397.0, 5594.0, 5452.0, 5327.0, 5316.0, 5493.0, 5587.0, 5308.0, 5640.0, 5288.0, 5678.0, 5367.0, 5466.0, 5368.0, 5379.0, 5450.0, 5502.0, 5611.0, 5708.0, 5621.0, 5540.0, 5255.0, 5602.0, 5301.0, 5624.0, 5357.0, 5576.0, 5491.0, 5699.0, 5520.0, 5541.0, 5439.0, 5647.0, 5718.0, 5449.0, 5715.0, 5453.0, 5269.0, 5460.0, 5659.0, 5351.0, 5650.0, 5399.0, 5303.0, 5350.0, 5534.0 (number of hits: 4)
14	5260	9	1	333	1	5580.0, 5341.0, 5571.0, 5481.0, 5477.0, 5471.0, 5643.0, 5362.0, 5413.0, 5329.0, 5332.0, 5364.0, 5277.0, 5371.0, 5524.0, 5260.0, 5592.0, 5663.0, 5349.0, 5266.0, 5511.0, 5423.0, 5521.0, 5665.0, 5400.0, 5449.0, 5522.0, 5462.0, 5617.0, 5401.0, 5363.0, 5679.0, 5410.0, 5352.0, 5321.0, 5258.0, 5325.0, 5567.0, 5412.0, 5438.0, 5495.0, 5297.0, 5584.0, 5680.0, 5547.0, 5506.0, 5288.0, 5723.0, 5607.0, 5305.0, 5447.0, 5610.0, 5572.0, 5645.0, 5328.0, 5528.0, 5616.0, 5303.0, 5285.0, 5342.0, 5357.0, 5527.0, 5662.0, 5365.0, 5485.0, 5529.0, 5535.0, 5599.0, 5509.0, 5367.0, 5621.0, 5270.0, 5692.0, 5682.0, 5287.0, 5531.0, 5632.0, 5618.0, 5441.0, 5355.0, 5498.0, 5261.0, 5684.0, 5711.0, 5510.0,

						5436.0, 5500.0, 5698.0, 5480.0, 5479.0, 5457.0, 5652.0, 5323.0, 5458.0, 5706.0, 5694.0, 5384.0, 5501.0, 5543.0, 5689.0 (number of hits: 4)
15	5260	9	1	333	1	5523.0, 5566.0, 5627.0, 5498.0, 5538.0, 5651.0, 5449.0, 5356.0, 5428.0, 5421.0, 5418.0, 5378.0, 5417.0, 5309.0, 5600.0, 5450.0, 5310.0, 5298.0, 5408.0, 5534.0, 5334.0, 5328.0, 5481.0, 5395.0, 5622.0, 5343.0, 5682.0, 5613.0, 5459.0, 5478.0, 5582.0, 5614.0, 5540.0, 5514.0, 5529.0, 5590.0, 5616.0, 5451.0, 5634.0, 5447.0, 5586.0, 5655.0, 5385.0, 5702.0, 5464.0, 5565.0, 5293.0, 5699.0, 5410.0, 5664.0, 5507.0, 5677.0, 5460.0, 5496.0, 5612.0, 5268.0, 5642.0, 5434.0, 5669.0, 5358.0, 5275.0, 5555.0, 5681.0, 5723.0, 5598.0, 5444.0, 5535.0, 5406.0, 5508.0, 5289.0, 5641.0, 5668.0, 5312.0, 5688.0, 5660.0, 5539.0, 5692.0, 5400.0, 5516.0, 5559.0, 5274.0, 5290.0, 5654.0, 5524.0, 5560.0, 5626.0, 5332.0, 5432.0, 5517.0, 5260.0, 5462.0, 5435.0, 5485.0, 5500.0, 5591.0, 5690.0, 5339.0, 5711.0, 5365.0, 5676.0 (number of hits: 2)
16	5260	9	1	333	1	5523.0, 5389.0, 5306.0, 5447.0, 5411.0, 5574.0, 5701.0, 5520.0, 5634.0, 5565.0, 5668.0, 5720.0, 5606.0, 5637.0, 5310.0, 5618.0, 5721.0, 5262.0, 5522.0, 5313.0, 5391.0, 5398.0, 5582.0, 5525.0, 5369.0, 5479.0, 5476.0, 5640.0, 5461.0, 5387.0, 5414.0, 5348.0, 5366.0, 5541.0, 5513.0, 5406.0, 5656.0, 5494.0, 5528.0, 5466.0, 5545.0, 5421.0, 5650.0, 5580.0, 5524.0, 5334.0, 5676.0, 5413.0, 5590.0, 5636.0, 5296.0, 5355.0, 5486.0, 5328.0, 5364.0, 5539.0, 5251.0, 5438.0, 5619.0, 5579.0, 5378.0, 5302.0, 5503.0, 5420.0, 5514.0, 5671.0, 5723.0, 5496.0, 5645.0, 5255.0, 5254.0, 5432.0, 5716.0, 5325.0, 5578.0, 5703.0, 5709.0, 5515.0, 5298.0, 5342.0, 5688.0, 5662.0, 5559.0, 5712.0, 5331.0, 5512.0, 5505.0, 5415.0, 5345.0, 5256.0, 5320.0, 5571.0, 5546.0, 5589.0, 5562.0, 5292.0, 5250.0, 5609.0, 5482.0, 5457.0 (number of hits: 6)
17	5260	9	1	333	1	5352.0, 5405.0, 5412.0, 5641.0, 5472.0, 5551.0, 5701.0, 5693.0, 5362.0, 5519.0, 5676.0, 5632.0, 5279.0, 5652.0, 5541.0, 5503.0, 5469.0, 5452.0, 5356.0, 5464.0, 5467.0, 5591.0, 5531.0, 5571.0, 5290.0, 5310.0, 5619.0, 5293.0, 5554.0, 5342.0, 5713.0, 5489.0, 5347.0, 5550.0, 5318.0, 5704.0, 5413.0, 5502.0, 5461.0, 5687.0, 5500.0, 5432.0, 5366.0, 5294.0, 5259.0, 5570.0, 5396.0, 5450.0, 5415.0, 5311.0, 5668.0, 5466.0, 5300.0, 5303.0, 5419.0, 5659.0, 5395.0, 5330.0, 5403.0, 5618.0, 5653.0, 5468.0, 5348.0, 5380.0, 5260.0,

						5524.0, 5416.0, 5496.0, 5549.0, 5276.0, 5682.0, 5428.0, 5401.0, 5370.0, 5317.0, 5434.0, 5568.0, 5587.0, 5298.0, 5453.0, 5582.0, 5714.0, 5548.0, 5336.0, 5620.0, 5277.0, 5565.0, 5482.0, 5266.0, 5357.0, 5521.0, 5291.0, 5581.0, 5365.0, 5343.0, 5617.0, 5710.0, 5316.0, 5626.0, 5528.0 (number of hits: 3)
18	5260	9	1	333	1	5261.0, 5599.0, 5554.0, 5564.0, 5716.0, 5280.0, 5354.0, 5682.0, 5661.0, 5495.0, 5514.0, 5641.0, 5600.0, 5619.0, 5368.0, 5306.0, 5492.0, 5257.0, 5426.0, 5525.0, 5475.0, 5629.0, 5442.0, 5558.0, 5642.0, 5684.0, 5455.0, 5534.0, 5397.0, 5606.0, 5322.0, 5707.0, 5337.0, 5621.0, 5270.0, 5264.0, 5401.0, 5488.0, 5721.0, 5482.0, 5668.0, 5410.0, 5662.0, 5362.0, 5478.0, 5562.0, 5460.0, 5517.0, 5281.0, 5616.0, 5713.0, 5255.0, 5609.0, 5370.0, 5413.0, 5704.0, 5305.0, 5412.0, 5519.0, 5332.0, 5289.0, 5384.0, 5719.0, 5618.0, 5407.0, 5678.0, 5625.0, 5315.0, 5585.0, 5325.0, 5484.0, 5272.0, 5692.0, 5302.0, 5530.0, 5706.0, 5591.0, 5317.0, 5417.0, 5635.0, 5694.0, 5670.0, 5656.0, 5391.0, 5275.0, 5436.0, 5718.0, 5445.0, 5448.0, 5424.0, 5672.0, 5506.0, 5569.0, 5425.0, 5688.0, 5699.0, 5584.0, 5705.0, 5300.0, 5463.0 (number of hits: 4)
19	5260	9	1	333	1	5376.0, 5559.0, 5535.0, 5458.0, 5355.0, 5352.0, 5385.0, 5496.0, 5395.0, 5512.0, 5720.0, 5575.0, 5679.0, 5327.0, 5275.0, 5529.0, 5304.0, 5457.0, 5280.0, 5587.0, 5705.0, 5319.0, 5592.0, 5403.0, 5500.0, 5622.0, 5526.0, 5281.0, 5316.0, 5286.0, 5312.0, 5640.0, 5690.0, 5407.0, 5621.0, 5379.0, 5416.0, 5501.0, 5375.0, 5595.0, 5600.0, 5359.0, 5357.0, 5277.0, 5263.0, 5502.0, 5394.0, 5626.0, 5509.0, 5269.0, 5485.0, 5597.0, 5612.0, 5293.0, 5593.0, 5664.0, 5462.0, 5723.0, 5719.0, 5338.0, 5490.0, 5390.0, 5534.0, 5368.0, 5553.0, 5418.0, 5469.0, 5513.0, 5254.0, 5696.0, 5498.0, 5341.0, 5714.0, 5671.0, 5527.0, 5257.0, 5417.0, 5377.0, 5554.0, 5499.0, 5695.0, 5412.0, 5435.0, 5255.0, 5481.0, 5563.0, 5388.0, 5569.0, 5623.0, 5706.0, 5536.0, 5409.0, 5291.0, 5289.0, 5543.0, 5556.0, 5555.0, 5620.0, 5406.0, 5712.0 (number of hits: 5)
20	5260	9	1	333	1	5264.0, 5479.0, 5590.0, 5708.0, 5477.0, 5476.0, 5335.0, 5561.0, 5515.0, 5605.0, 5587.0, 5626.0, 5430.0, 5483.0, 5675.0, 5648.0, 5649.0, 5455.0, 5450.0, 5572.0, 5462.0, 5251.0, 5507.0, 5558.0, 5639.0, 5529.0, 5410.0, 5280.0, 5678.0, 5719.0, 5595.0, 5710.0, 5429.0, 5463.0, 5434.0, 5496.0, 5351.0, 5385.0, 5663.0, 5668.0, 5502.0, 5283.0, 5269.0, 5394.0, 5615.0,

						5691.0, 5395.0, 5267.0, 5593.0, 5714.0, 5703.0, 5377.0, 5568.0, 5658.0, 5380.0, 5618.0, 5684.0, 5390.0, 5683.0, 5709.0, 5721.0, 5616.0, 5696.0, 5313.0, 5594.0, 5625.0, 5522.0, 5608.0, 5528.0, 5454.0, 5533.0, 5270.0, 5383.0, 5460.0, 5336.0, 5720.0, 5554.0, 5412.0, 5333.0, 5530.0, 5589.0, 5321.0, 5263.0, 5338.0, 5252.0, 5553.0, 5559.0, 5544.0, 5416.0, 5290.0, 5576.0, 5415.0, 5453.0, 5286.0, 5579.0, 5494.0, 5666.0, 5432.0, 5285.0, 5656.0 (number of hits: 6)
21	5260	9	1	333	1	5530.0, 5536.0, 5648.0, 5287.0, 5362.0, 5586.0, 5631.0, 5333.0, 5440.0, 5691.0, 5452.0, 5379.0, 5713.0, 5407.0, 5402.0, 5616.0, 5490.0, 5602.0, 5390.0, 5717.0, 5372.0, 5367.0, 5428.0, 5641.0, 5601.0, 5458.0, 5538.0, 5665.0, 5300.0, 5267.0, 5257.0, 5603.0, 5696.0, 5397.0, 5394.0, 5715.0, 5305.0, 5454.0, 5515.0, 5384.0, 5290.0, 5633.0, 5326.0, 5255.0, 5541.0, 5562.0, 5509.0, 5436.0, 5568.0, 5274.0, 5684.0, 5487.0, 5540.0, 5494.0, 5714.0, 5357.0, 5591.0, 5514.0, 5501.0, 5533.0, 5635.0, 5701.0, 5618.0, 5301.0, 5593.0, 5626.0, 5263.0, 5424.0, 5320.0, 5686.0, 5299.0, 5605.0, 5309.0, 5361.0, 5276.0, 5427.0, 5582.0, 5400.0, 5578.0, 5679.0, 5620.0, 5705.0, 5477.0, 5680.0, 5398.0, 5611.0, 5277.0, 5478.0, 5518.0, 5492.0, 5293.0, 5481.0, 5559.0, 5585.0, 5689.0, 5386.0, 5652.0, 5668.0, 5474.0, 5313.0 (number of hits: 4)
22	5260	9	1	333	1	5418.0, 5436.0, 5528.0, 5602.0, 5368.0, 5599.0, 5288.0, 5659.0, 5546.0, 5588.0, 5465.0, 5439.0, 5522.0, 5314.0, 5666.0, 5286.0, 5605.0, 5561.0, 5405.0, 5375.0, 5442.0, 5431.0, 5475.0, 5704.0, 5678.0, 5466.0, 5679.0, 5517.0, 5578.0, 5682.0, 5272.0, 5437.0, 5710.0, 5708.0, 5654.0, 5467.0, 5361.0, 5265.0, 5321.0, 5670.0, 5586.0, 5392.0, 5544.0, 5685.0, 5514.0, 5615.0, 5556.0, 5403.0, 5668.0, 5665.0, 5681.0, 5339.0, 5712.0, 5433.0, 5509.0, 5510.0, 5287.0, 5346.0, 5261.0, 5474.0, 5718.0, 5495.0, 5473.0, 5406.0, 5345.0, 5336.0, 5445.0, 5398.0, 5307.0, 5308.0, 5350.0, 5537.0, 5393.0, 5644.0, 5511.0, 5349.0, 5325.0, 5555.0, 5355.0, 5419.0, 5382.0, 5470.0, 5597.0, 5319.0, 5508.0, 5371.0, 5273.0, 5250.0, 5701.0, 5601.0, 5669.0, 5512.0, 5304.0, 5292.0, 5374.0, 5385.0, 5575.0, 5560.0, 5502.0, 5372.0 (number of hits: 3)
23	5260	9	1	333	1	5692.0, 5629.0, 5495.0, 5509.0, 5705.0, 5656.0, 5281.0, 5271.0, 5535.0, 5304.0, 5573.0, 5531.0, 5699.0, 5410.0, 5423.0, 5580.0, 5499.0, 5335.0, 5663.0, 5661.0, 5510.0, 5295.0, 5601.0, 5368.0, 5454.0,

						5617.0, 5628.0, 5445.0, 5480.0, 5476.0, 5599.0, 5390.0, 5251.0, 5578.0, 5489.0, 5434.0, 5348.0, 5688.0, 5584.0, 5511.0, 5387.0, 5589.0, 5610.0, 5559.0, 5653.0, 5310.0, 5528.0, 5458.0, 5485.0, 5398.0, 5709.0, 5718.0, 5615.0, 5581.0, 5456.0, 5470.0, 5254.0, 5406.0, 5273.0, 5683.0, 5521.0, 5444.0, 5465.0, 5467.0, 5461.0, 5395.0, 5660.0, 5582.0, 5253.0, 5318.0, 5389.0, 5711.0, 5556.0, 5498.0, 5382.0, 5326.0, 5609.0, 5422.0, 5367.0, 5657.0, 5681.0, 5296.0, 5658.0, 5536.0, 5408.0, 5400.0, 5603.0, 5666.0, 5604.0, 5384.0, 5354.0, 5291.0, 5542.0, 5336.0, 5356.0, 5682.0, 5338.0, 5342.0, 5635.0, 5564.0 (number of hits: 3)
24	5260	9	1	333	1	5440.0, 5317.0, 5480.0, 5361.0, 5453.0, 5670.0, 5693.0, 5540.0, 5336.0, 5531.0, 5417.0, 5516.0, 5387.0, 5577.0, 5600.0, 5605.0, 5321.0, 5541.0, 5403.0, 5672.0, 5615.0, 5429.0, 5499.0, 5270.0, 5625.0, 5642.0, 5372.0, 5522.0, 5272.0, 5256.0, 5643.0, 5486.0, 5617.0, 5397.0, 5653.0, 5599.0, 5535.0, 5707.0, 5345.0, 5267.0, 5673.0, 5520.0, 5530.0, 5392.0, 5521.0, 5571.0, 5416.0, 5485.0, 5295.0, 5309.0, 5287.0, 5258.0, 5275.0, 5286.0, 5706.0, 5619.0, 5394.0, 5559.0, 5450.0, 5576.0, 5315.0, 5690.0, 5323.0, 5645.0, 5718.0, 5373.0, 5431.0, 5360.0, 5457.0, 5608.0, 5607.0, 5491.0, 5474.0, 5712.0, 5592.0, 5445.0, 5409.0, 5663.0, 5637.0, 5351.0, 5380.0, 5680.0, 5697.0, 5404.0, 5350.0, 5630.0, 5257.0, 5310.0, 5581.0, 5367.0, 5314.0, 5562.0, 5583.0, 5412.0, 5284.0, 5715.0, 5438.0, 5612.0, 5546.0, 5304.0 (number of hits: 4)
25	5260	9	1	333	1	5544.0, 5356.0, 5340.0, 5282.0, 5611.0, 5619.0, 5385.0, 5297.0, 5260.0, 5618.0, 5450.0, 5454.0, 5497.0, 5566.0, 5419.0, 5461.0, 5428.0, 5646.0, 5264.0, 5504.0, 5534.0, 5522.0, 5532.0, 5468.0, 5392.0, 5642.0, 5714.0, 5705.0, 5359.0, 5599.0, 5329.0, 5344.0, 5595.0, 5399.0, 5716.0, 5692.0, 5529.0, 5541.0, 5327.0, 5655.0, 5333.0, 5499.0, 5383.0, 5608.0, 5463.0, 5678.0, 5266.0, 5261.0, 5277.0, 5698.0, 5535.0, 5393.0, 5665.0, 5358.0, 5303.0, 5671.0, 5644.0, 5253.0, 5582.0, 5516.0, 5351.0, 5490.0, 5299.0, 5577.0, 5388.0, 5536.0, 5265.0, 5375.0, 5416.0, 5700.0, 5370.0, 5379.0, 5332.0, 5503.0, 5403.0, 5494.0, 5627.0, 5606.0, 5285.0, 5589.0, 5592.0, 5632.0, 5500.0, 5722.0, 5564.0, 5507.0, 5639.0, 5290.0, 5605.0, 5470.0, 5686.0, 5384.0, 5628.0, 5512.0, 5441.0, 5489.0, 5635.0, 5715.0, 5328.0, 5341.0 (number of hits: 6)
26	5260	9	1	333	1	5406.0, 5405.0, 5319.0, 5273.0, 5573.0,

						5533.0, 5276.0, 5302.0, 5551.0, 5348.0, 5279.0, 5532.0, 5300.0, 5521.0, 5417.0, 5564.0, 5283.0, 5421.0, 5330.0, 5383.0, 5627.0, 5422.0, 5367.0, 5534.0, 5352.0, 5640.0, 5343.0, 5635.0, 5347.0, 5548.0, 5399.0, 5598.0, 5382.0, 5713.0, 5433.0, 5329.0, 5307.0, 5560.0, 5643.0, 5326.0, 5637.0, 5679.0, 5510.0, 5617.0, 5479.0, 5722.0, 5418.0, 5714.0, 5443.0, 5342.0, 5361.0, 5453.0, 5691.0, 5460.0, 5721.0, 5507.0, 5661.0, 5350.0, 5543.0, 5505.0, 5544.0, 5255.0, 5557.0, 5520.0, 5469.0, 5369.0, 5681.0, 5454.0, 5432.0, 5362.0, 5498.0, 5601.0, 5438.0, 5491.0, 5250.0, 5256.0, 5324.0, 5337.0, 5518.0, 5509.0, 5378.0, 5303.0, 5568.0, 5508.0, 5522.0, 5519.0, 5673.0, 5483.0, 5430.0, 5501.0, 5654.0, 5550.0, 5470.0, 5375.0, 5305.0, 5284.0, 5632.0, 5411.0, 5327.0, 5692.0 (number of hits: 3)
27	5260	9	1	333	1	5282.0, 5642.0, 5259.0, 5398.0, 5573.0, 5450.0, 5691.0, 5265.0, 5521.0, 5667.0, 5366.0, 5595.0, 5502.0, 5433.0, 5315.0, 5311.0, 5678.0, 5624.0, 5301.0, 5481.0, 5261.0, 5676.0, 5460.0, 5585.0, 5458.0, 5636.0, 5454.0, 5616.0, 5633.0, 5339.0, 5665.0, 5689.0, 5552.0, 5439.0, 5567.0, 5364.0, 5260.0, 5466.0, 5554.0, 5253.0, 5317.0, 5363.0, 5529.0, 5620.0, 5256.0, 5413.0, 5376.0, 5410.0, 5302.0, 5501.0, 5706.0, 5312.0, 5537.0, 5318.0, 5296.0, 5714.0, 5578.0, 5465.0, 5480.0, 5687.0, 5510.0, 5597.0, 5416.0, 5656.0, 5368.0, 5345.0, 5305.0, 5272.0, 5486.0, 5715.0, 5316.0, 5627.0, 5673.0, 5686.0, 5327.0, 5484.0, 5432.0, 5451.0, 5381.0, 5443.0, 5588.0, 5690.0, 5417.0, 5385.0, 5507.0, 5298.0, 5723.0, 5649.0, 5475.0, 5343.0, 5711.0, 5619.0, 5326.0, 5526.0, 5384.0, 5274.0, 5324.0, 5558.0, 5276.0, 5693.0 (number of hits: 6)
28	5260	9	1	333	1	5537.0, 5466.0, 5606.0, 5434.0, 5262.0, 5382.0, 5618.0, 5301.0, 5578.0, 5472.0, 5278.0, 5361.0, 5697.0, 5703.0, 5575.0, 5485.0, 5672.0, 5291.0, 5355.0, 5530.0, 5369.0, 5257.0, 5689.0, 5484.0, 5289.0, 5465.0, 5387.0, 5706.0, 5323.0, 5468.0, 5627.0, 5561.0, 5336.0, 5254.0, 5647.0, 5645.0, 5694.0, 5649.0, 5456.0, 5412.0, 5551.0, 5309.0, 5683.0, 5669.0, 5639.0, 5482.0, 5326.0, 5288.0, 5695.0, 5682.0, 5305.0, 5526.0, 5633.0, 5274.0, 5340.0, 5378.0, 5318.0, 5528.0, 5333.0, 5589.0, 5365.0, 5314.0, 5629.0, 5506.0, 5685.0, 5397.0, 5329.0, 5401.0, 5709.0, 5663.0, 5679.0, 5722.0, 5337.0, 5265.0, 5316.0, 5667.0, 5372.0, 5711.0, 5420.0, 5280.0, 5300.0, 5656.0, 5693.0, 5687.0, 5347.0, 5251.0, 5385.0, 5324.0, 5699.0, 5500.0,

						5394.0, 5507.0, 5654.0, 5450.0, 5260.0, 5419.0, 5556.0, 5279.0, 5580.0, 5597.0 (number of hits: 6)
29	5260	9	1	333	1	5355.0, 5714.0, 5469.0, 5514.0, 5455.0, 5302.0, 5538.0, 5555.0, 5493.0, 5487.0, 5445.0, 5393.0, 5718.0, 5517.0, 5589.0, 5648.0, 5625.0, 5415.0, 5390.0, 5672.0, 5541.0, 5564.0, 5351.0, 5580.0, 5282.0, 5601.0, 5394.0, 5294.0, 5270.0, 5312.0, 5412.0, 5587.0, 5377.0, 5333.0, 5281.0, 5296.0, 5253.0, 5372.0, 5323.0, 5544.0, 5457.0, 5279.0, 5314.0, 5338.0, 5529.0, 5341.0, 5516.0, 5653.0, 5369.0, 5414.0, 5668.0, 5250.0, 5701.0, 5492.0, 5295.0, 5682.0, 5670.0, 5267.0, 5446.0, 5681.0, 5285.0, 5591.0, 5465.0, 5510.0, 5345.0, 5582.0, 5317.0, 5561.0, 5297.0, 5497.0, 5470.0, 5340.0, 5353.0, 5300.0, 5263.0, 5283.0, 5336.0, 5387.0, 5712.0, 5313.0, 5703.0, 5385.0, 5512.0, 5262.0, 5521.0, 5656.0, 5361.0, 5556.0, 5460.0, 5616.0, 5310.0, 5646.0, 5566.0, 5667.0, 5690.0, 5572.0, 5505.0, 5305.0, 5342.0, 5255.0 (number of hits: 6)
30	5260	9	1	333	1	5555.0, 5476.0, 5553.0, 5711.0, 5422.0, 5558.0, 5304.0, 5412.0, 5370.0, 5563.0, 5353.0, 5397.0, 5717.0, 5655.0, 5696.0, 5263.0, 5386.0, 5548.0, 5298.0, 5648.0, 5455.0, 5369.0, 5613.0, 5330.0, 5445.0, 5688.0, 5658.0, 5490.0, 5651.0, 5296.0, 5375.0, 5680.0, 5576.0, 5622.0, 5441.0, 5349.0, 5590.0, 5331.0, 5450.0, 5523.0, 5372.0, 5647.0, 5557.0, 5721.0, 5633.0, 5447.0, 5623.0, 5598.0, 5486.0, 5302.0, 5366.0, 5511.0, 5410.0, 5700.0, 5640.0, 5458.0, 5283.0, 5276.0, 5624.0, 5607.0, 5517.0, 5333.0, 5337.0, 5287.0, 5572.0, 5663.0, 5564.0, 5345.0, 5610.0, 5513.0, 5408.0, 5272.0, 5709.0, 5691.0, 5652.0, 5340.0, 5713.0, 5662.0, 5285.0, 5514.0, 5436.0, 5527.0, 5664.0, 5542.0, 5577.0, 5470.0, 5418.0, 5567.0, 5536.0, 5425.0, 5316.0, 5312.0, 5579.0, 5547.0, 5584.0, 5592.0, 5466.0, 5473.0, 5469.0, 5463.0 (number of hits: 1)

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	78	1	678	1
2	5270	63	1	838	1
3	5270	83	1	638	1
4	5270	59	1	898	1
5	5270	68	1	778	1
6	5250	58	1	918	1
7	5250	18	1	3066	1
8	5250	67	1	798	1
9	5250	81	1	658	1
10	5250	95	1	558	1
11	5290	102	1	518	1
12	5290	70	1	758	1
13	5290	72	1	738	1
14	5290	61	1	878	1
15	5290	76	1	698	1
16	5270	35	1	1544	1
17	5270	33	1	1642	1
18	5270	32	1	1689	1
19	5270	37	1	1463	1
20	5270	47	1	1126	1
21	5250	26	1	2093	1
22	5250	78	1	679	1
23	5250	22	1	2449	1
24	5250	46	1	1170	1
25	5250	19	1	2875	1
26	5290	36	1	1479	1
27	5290	45	1	1198	1
28	5290	19	1	2926	1
29	5290	61	1	869	1
30	5290	33	1	1604	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	26	1.4	215	1
2	5270	26	3	185	1
3	5270	24	4.8	172	1
4	5270	27	4.1	218	1
5	5270	25	1.3	206	1
6	5270	28	2	169	1
7	5270	28	4.4	200	1
8	5270	23	4.9	168	1
9	5270	26	3.5	215	1
10	5270	29	1.9	179	1
11	5250	29	3.4	160	1
12	5250	28	1.1	153	1
13	5250	26	4.4	230	1
14	5250	26	1.4	170	1
15	5250	29	2.6	185	1
16	5250	26	3.1	186	1
17	5250	23	4.6	220	1
18	5250	29	3.5	206	1
19	5250	26	1.9	230	1
20	5250	25	4.5	192	1
21	5290	27	2.9	225	1
22	5290	23	1.4	166	1
23	5290	25	4.1	153	1
24	5290	29	1.2	159	1
25	5290	26	3	158	1
26	5290	26	2.9	207	1
27	5290	29	1.3	161	1
28	5290	29	1.6	153	1
29	5290	29	2.6	177	1
30	5290	27	2	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	5270	17	9.3	460	1
2	5270	18	8.3	246	1
3	5270	17	8.4	275	1
4	5270	16	7.2	382	1
5	5270	18	9.6	419	1
6	5270	16	6.9	385	1
7	5270	16	7.4	436	1
8	5270	17	6	204	1
9	5270	16	9	270	1
10	5270	18	9.2	309	1
11	5250	17	8.9	394	1
12	5250	18	6.8	455	1
13	5250	18	7.6	458	1
14	5250	18	9.5	207	1
15	5250	17	9.9	450	1
16	5250	18	6.8	359	1
17	5250	17	8.3	384	1
18	5250	17	7.8	255	1
19	5250	16	6.1	463	1
20	5250	18	8.7	480	1
21	5290	16	7.7	290	1
22	5290	18	8.3	204	1
23	5290	16	6.4	244	1
24	5290	18	7.2	208	1
25	5290	18	8.3	479	1
26	5290	17	8.9	422	1
27	5290	16	6.7	326	1
28	5290	17	9	266	1
29	5290	16	6.3	487	1
30	5290	17	8.5	264	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	12	12.5	319	1
2	5270	14	14.2	498	1
3	5270	13	18.7	387	1
4	5270	15	18.6	492	1
5	5270	13	19.6	324	1
6	5270	14	16.5	216	1
7	5270	15	17.1	275	1
8	5270	14	14.1	383	1
9	5270	15	19.6	402	1
10	5270	15	15.4	491	1
11	5250	15	13.5	357	1
12	5250	16	12.7	200	1
13	5250	12	15.6	313	1
14	5250	15	12.1	301	1
15	5250	13	14	331	1
16	5250	14	19.8	325	1
17	5250	16	11.3	231	1
18	5250	15	19.3	271	1
19	5250	12	19.5	312	1
20	5250	14	11.6	471	1
21	5290	12	18.4	324	1
22	5290	15	12.1	366	1
23	5290	12	18.2	356	1
24	5290	14	11.2	287	1
25	5290	15	19.5	232	1
26	5290	15	18.5	294	1
27	5290	12	14.4	406	1
28	5290	15	11.6	340	1
29	5290	16	11.5	280	1
30	5290	16	13.3	328	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	5257.8	1
12	5258.2	1
13	5257.4	1
14	5254.2	0
15	5255.4	1
16	5255.4	1
17	5259.0	0
18	5258.2	1
19	5259.0	1
20	5254.2	1
21	5285.0	1
22	5281.4	1
23	5285.4	1
24	5283.0	1
25	5281.8	1
26	5285.4	1
27	5287.0	0
28	5287.0	1
29	5283.0	1
30	5282.6	1
Detection Percentage: 90 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	65.3	1018		0.53691	1
1	2	11	52.5	1121		1.014843	
2	2	11	81.5	1544		2.768442	
3	2	11	90.6	1276		3.929805	
4	3	11	83.2	1002	1654	4.908691	
5	1	11	87			5.402062	
6	1	11	68.7			6.770755	
7	2	11	84.9	1496		7.684353	
8	2	11	68.9	1361		8.386454	
9	3	11	83.2	1749	1592	9.308404	
10	3	11	69.5	1703	1939	10.938673	
11	2	11	61.3	1014		11.497894	

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	15	80.8			0.234435	1
1	1	15	59.1			1.049826	
2	3	15	99	1966	1124	1.420379	
3	1	15	77.6			1.849697	
4	2	15	64.5	1223		2.445738	
5	2	15	98.1	1310		3.349037	
6	2	15	93.7	1072		3.674975	
7	2	15	50.7	1298		4.330441	
8	3	15	77.9	1759	1384	5.153653	
9	3	15	86.2	1532	1979	5.633438	
10	3	15	97.8	1522	1699	6.47874	
11	1	15	73.3			6.718437	
12	1	15	99.6			7.748714	
13	3	15	65.6	1624	1525	7.911522	
14	3	15	76.7	1268	1012	8.824086	
15	2	15	62.4	1507		9.457116	
16	1	15	84.2			9.611734	
17	3	15	83.2	1662	1401	10.428572	
18	1	15	94.4			11.114757	
19	2	15	74.5	1817		11.963233	

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	78.5	1917		0.908762	1
1	2	8	90.2	1937		1.795422	
2	2	8	70.7	1770		3.541612	
3	2	8	99.4	1234		4.499201	
4	2	8	88.5	1499		5.940635	
5	3	8	68.1	1518	1109	6.485204	
6	1	8	98.3			7.358351	
7	2	8	95.2	1302		9.459041	
8	2	8	79.6	1350		10.468947	
9	1	8	87.9			11.659977	

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	88.9	1379	1579	0.517825	1
1	2	16	75.9	1858		1.003484	
2	2	16	74.5	1550		1.508112	
3	1	16	57.9			2.50917	
4	3	16	93.1	1216	1227	2.706298	
5	2	16	93.3	1186		3.357555	
6	1	16	51.1			4.337701	
7	2	16	64.8	1683		4.462856	
8	2	16	76.3	1349		5.080813	
9	1	16	77.8			6.025638	
10	2	16	89.5	1418		6.501834	
11	1	16	67.9			7.373756	
12	1	16	73.1			7.69297	
13	2	16	91.8	1118		8.697124	
14	2	16	53.2	1782		9.157732	
15	2	16	79.7	1598		9.953358	
16	2	16	56.3	1236		10.472543	
17	2	16	72.1	1292		11.187386	
18	1	16	98.8			11.656331	

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	80.5	1047		0.65764	
1	2	9	74	1997		1.779599	
2	2	9	83.5	1232		2.912611	
3	1	9	75.3			3.880819	
4	2	9	93.3	1649		4.756492	
5	1	9	81.6			6.119037	1
6	3	9	92.8	1044	1189	6.907189	
7	1	9	54.3			8.179508	
8	2	9	67.2	1885		9.762591	
9	1	9	76.8			10.904449	
10	3	9	89.4	1320	1819	10.996442	

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	9	77.4	1988		0.522621	
1	2	9	57.4	1448		0.938504	
2	1	9	68.4			1.60255	
3	2	9	77.1	1167		2.730332	
4	1	9	65.7			3.983751	
5	2	9	89.9	1357		4.097965	
6	1	9	66.6			5.511665	
7	3	9	89.9	1203	1579	6.241308	1
8	2	9	83.8	1457		7.152547	
9	2	9	98.2	1312		7.969926	
10	3	9	82.7	1417	1856	8.559639	
11	2	9	92	1215		8.857894	
12	1	9	61.5			9.964041	
13	1	9	65.9			10.561283	
14	3	9	96.7	1755	1827	11.86935	

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	12	77.6			1.111846	
1	2	12	94.4	1119		1.69299	
2	2	12	58.1	1990		3.271565	
3	2	12	89.5	1936		5.210415	
4	1	12	73.6			6.22484	1
5	2	12	62.4	1587		7.668853	
6	1	12	54.8			8.488194	
7	3	12	53.9	1514	1394	9.547346	
8	2	12	63.6	1563		11.317304	

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	6	59.6			0.274033	
1	2	6	77.9	1090		1.594881	
2	2	6	90.3	1922		2.91235	
3	3	6	98.4	1051	1773	4.234403	
4	2	6	69.5	1045		6.513773	1
5	3	6	50.8	1870	1538	7.477748	
6	2	6	52.7	1764		9.238547	
7	3	6	74.4	1861	1521	9.764575	
8	2	6	62.8	1469		11.904969	

.

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	94.6	1688	1172	0.257882	1
1	2	11	68.4	1599		0.79831	
2	3	11	72	1862	1254	2.196168	
3	3	11	87.5	1449	1140	2.557199	
4	2	11	76.4	1732		3.643122	
5	2	11	54	1123		3.820197	
6	3	11	78.3	1707	1432	4.825742	
7	1	11	64.8			5.559387	
8	2	11	61.9	1969		6.493569	
9	2	11	73.1	1699		7.107206	
10	1	11	87.5			7.917755	
11	1	11	97.6			8.58177	
12	3	11	97.2	1703	1427	9.67764	
13	3	11	67.8	1142	1666	10.452309	
14	1	11	59.9			11.039921	
15	3	11	62	1460	1159	11.659193	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	78.7	1658		0.485178	1
1	3	12	64	1004	1446	0.808293	
2	2	12	91.4	1878		1.729	
3	2	12	61.1	1269		2.716246	
4	2	12	85.3	1550		3.089656	
5	1	12	92.4			4.007735	
6	2	12	68.3	1473		4.597215	
7	2	12	85.7	1173		5.247695	
8	1	12	88.6			5.801128	
9	2	12	70.2	1810		6.36637	
10	3	12	82.7	1840	1973	7.258169	
11	2	12	58.5	1999		7.800867	
12	2	12	89.2	1190		9.134664	
13	2	12	75.6	1244		9.444324	
14	2	12	91.8	1701		10.353722	
15	1	12	55			10.897444	
16	2	12	68.3	1758		11.318115	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	75.6	1732		0.529383	1
1	2	17	80.2	1787		1.37097	
2	3	17	62.8	1482	1579	2.489999	
3	1	17	99.5			3.73552	
4	3	17	89.5	1294	1607	4.81358	
5	2	17	50.2	1628		5.706109	
6	3	17	60.4	1552	1114	6.907069	
7	1	17	87.2			7.639274	
8	1	17	74.4			8.401775	
9	1	17	54.9			9.185175	
10	2	17	73.4	1128		10.054689	
11	2	17	65.3	1316		11.403433	

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	72.4	1713		0.685773	1
1	1	18	62.1			1.728385	
2	2	18	68.5	1437		2.69065	
3	3	18	98.2	1717	1483	3.307957	
4	2	18	99.5	1355		4.038551	
5	3	18	64.1	1849	1695	5.573507	
6	1	18	70.9			6.991815	
7	2	18	51.3	1067		7.17403	
8	3	18	96.3	1937	1206	8.069843	
9	3	18	90.8	1578	1664	9.561682	
10	1	18	59.7			10.852926	
11	2	18	98.6	1724		11.674268	

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	73.3	1233		0.707541	
1	2	16	78.7	1979		2.001369	
2	1	16	81.9			2.678695	
3	3	16	59.5	1686	1946	4.099868	
4	2	16	68.9	1966		4.54279	
5	2	16	53.9	1544		6.364828	1
6	3	16	79.5	1813	1836	6.848345	
7	1	16	62.4			7.693922	
8	2	16	97.9	1392		8.924311	
9	3	16	85.4	1849	1553	10.43173	
10	2	16	91.6	1570		11.818776	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	85.7	1214		1.114044	
1	2	8	68.5	1818		1.593144	
2	1	8	83.7			3.790557	
3	3	8	76.7	1922	1297	4.370372	
4	1	8	80.2			5.583689	0
5	2	8	89.6	1563		7.5799	
6	1	8	52.7			8.928174	
7	1	8	55.1			9.753056	
8	2	8	97.5	1315		11.836381	

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	11	89.4	1722	1163	0.363692	1
1	1	11	95.6			1.184086	
2	1	11	57.7			1.591687	
3	2	11	99.6	1530		2.317789	
4	1	11	67.8			2.987292	
5	2	11	68	1641		3.437399	
6	3	11	85.3	1545	1453	4.656796	
7	2	11	62.6	1621		4.990079	
8	2	11	73.7	1099		5.56675	
9	1	11	76.8			6.322488	
10	1	11	63.4			7.265778	
11	2	11	60.3	1173		7.771515	
12	3	11	96	1802	1730	8.048673	
13	1	11	67.2			9.052425	
14	1	11	99.3			9.848649	
15	1	11	73.3			10.451729	
16	1	11	68.6			10.805981	
17	3	11	66.8	1597	1414	11.472928	

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	11	76.4	1782		0.406531	
1	1	11	70.2			0.962107	
2	3	11	81.2	1896	1733	2.012588	
3	1	11	97.7			2.129848	
4	1	11	56			2.899829	
5	1	11	61			4.00778	
6	3	11	94.4	1020	1660	4.633056	
7	3	11	85.2	1604	1687	5.37841	
8	3	11	99.3	1519	1036	5.871564	1
9	2	11	77.3	1656		6.768344	
10	3	11	79.8	1987	1405	7.212347	
11	2	11	66.2	1492		8.077811	
12	2	11	54.2	1530		9.06041	
13	2	11	73.2	1757		9.422831	
14	3	11	85.9	1180	1036	10.066986	
15	2	11	98.3	1659		11.216815	
16	2	11	93.3	1734		11.603439	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	83.8	1913		0.009116	
1	2	20	58.6	1865		1.879951	
2	2	20	95.2	1770		2.739863	
3	2	20	89	1267		4.175169	
4	1	20	60.1			5.471134	0
5	1	20	82.6			7.523252	
6	2	20	68.3	1028		8.952677	
7	2	20	85.4	1343		10.518259	
8	2	20	66.4	1603		11.53556	

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	18	59.9	1101	1468	0.736666	
1	2	18	83.3	1537		0.899236	
2	1	18	92.4			2.294704	
3	1	18	79.8			2.900789	
4	1	18	83.7			3.827308	
5	3	18	90.6	1484	1374	4.563011	
6	1	18	74.8			5.174209	
7	2	18	84.2	1468		5.698021	1
8	2	18	58.3	1722		6.907509	
9	2	18	72.1	1011		7.527411	
10	3	18	96.9	1566	1978	8.611039	
11	1	18	57.3			9.362511	
12	2	18	68.9	1308		9.771227	
13	3	18	89.3	1890	1680	10.580107	
14	2	18	55.7	1828		11.427082	

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	20	64.2			0.360364	
1	3	20	68.7	1480	1851	0.735267	
2	2	20	98.6	1675		1.552769	
3	1	20	86			2.747417	
4	3	20	63.5	1687	1868	3.055301	
5	3	20	79.5	1278	1026	4.213003	
6	3	20	83.5	1891	1199	4.569654	
7	1	20	62.6			5.58984	
8	3	20	80.2	1746	1349	5.815088	1
9	1	20	76.9			6.413468	
10	1	20	67.2			7.709086	
11	2	20	84.2	1590		8.002161	
12	3	20	53.5	1574	1121	8.932891	
13	2	20	85.2	1324		9.840107	
14	1	20	81.9			10.110109	
15	2	20	78.6	1950		10.604904	
16	3	20	80.6	1929	1463	11.807927	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	91.5	1958		0.173272	1
1	3	8	99.1	1444	1414	0.642502	
2	3	8	76.7	1637	1740	1.210632	
3	2	8	67.2	1491		2.042018	
4	2	8	97.4	1961		2.620183	
5	3	8	79.7	1538	1362	3.184415	
6	1	8	71.6			3.845083	
7	2	8	86.1	1630		4.594744	
8	1	8	92.7			4.926987	
9	3	8	81.4	1764	1780	5.959802	
10	2	8	53.9	1975		6.079142	
11	3	8	99.1	1211	1190	6.645094	
12	2	8	56.4	1589		7.340954	
13	2	8	56.5	1449		8.132272	
14	2	8	90.9	1501		8.45326	
15	2	8	52.8	1763		9.559296	
16	1	8	80.3			9.602775	
17	1	8	81.4			10.466143	
18	1	8	74.6			11.047052	
19	2	8	77.2	1784		11.482415	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	84.7			0.330965	1
1	2	10	53.7	1834		1.669127	
2	2	10	84.7	1734		2.480436	
3	1	10	85.4			3.296347	
4	2	10	65.5	1387		3.976313	
5	1	10	86.7			4.703346	
6	3	10	92.1	1143	1314	5.24066	
7	1	10	72.6			6.067082	
8	2	10	60.5	1972		7.23187	
9	2	10	67.1	1941		8.128149	
10	2	10	50.1	1779		8.735835	
11	1	10	71.1			10.271749	
12	2	10	50.5	1188		10.364549	
13	1	10	86.3			11.250191	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	87.9	1983		0.39393	
1	2	19	90.4	1344		1.106555	
2	3	19	53.4	1426	1108	1.380797	
3	3	19	68.5	1125	1665	2.413099	
4	1	19	99			2.748192	
5	3	19	90.1	1925	1612	3.739304	
6	3	19	74.6	1791	1863	4.230498	
7	1	19	60.1			4.677055	
8	2	19	62.8	1281		5.529129	
9	1	19	89.3			5.826992	1
10	2	19	69.7	1799		6.600123	
11	3	19	93.1	1497	1661	7.003595	
12	3	19	84.6	1108	1051	7.726792	
13	3	19	92.5	1966	1105	8.350816	
14	3	19	83.6	1050	1530	9.311072	
15	3	19	99.2	1686	1962	9.945116	
16	2	19	59.9	1868		10.14734	
17	1	19	58.9			10.888922	
18	2	19	97.5	1966		11.615771	

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	9	63.5	1020	1986	0.680041	
1	1	9	67.4			1.083661	
2	2	9	86.3	1515		1.982481	
3	2	9	99.3	1194		2.938243	
4	3	9	75.5	1566	1221	3.483402	
5	2	9	77.1	1571		4.155024	
6	1	9	98.4			4.862482	
7	3	9	52.8	1163	1772	6.289407	1
8	2	9	50.8	1630		7.129383	
9	3	9	86.7	1666	1462	7.640769	
10	2	9	60	1739		8.724925	
11	1	9	88.7			9.424459	
12	3	9	97.1	1601	1476	9.98279	
13	2	9	75.3	1644		10.76011	
14	2	9	77.4	1540		11.392855	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	93	1503	1137	1.135831	
1	2	15	87.7	1652		1.504246	
2	1	15	89.3			2.463031	
3	2	15	52.6	1953		4.355698	
4	1	15	85.3			5.495722	
5	2	15	86.3	1059		6.129842	1
6	2	15	76.8	1624		8.111978	
7	1	15	97.2			9.526314	
8	3	15	84.9	1908	1345	10.034991	
9	2	15	93	1857		11.338192	

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	18	71.2	1476	1788	0.317844	1
1	2	18	65.5	1968		1.851209	
2	2	18	59.3	1462		2.469005	
3	1	18	76.1			3.694763	
4	2	18	90.4	1194		4.400537	
5	2	18	76.8	1318		5.703235	
6	2	18	93.8	1730		6.341007	
7	3	18	80.1	1176	1729	7.481983	
8	2	18	76.9	1668		8.246457	
9	2	18	91.5	1364		9.824648	
10	1	18	63.4			10.828414	
11	2	18	78.8	1136		11.189131	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	67.6			0.427932	1
1	3	9	86.5	1775	1878	1.030135	
2	2	9	56.3	1793		1.725364	
3	2	9	88.4	1251		2.608778	
4	3	9	53.4	1027	1983	3.560784	
5	2	9	85.9	1206		4.228562	
6	1	9	83.2			5.241145	
7	1	9	64.2			6.37006	
8	3	9	63	1696	1916	6.744094	
9	2	9	99.7	1691		7.562754	
10	2	9	70.8	1832		8.74343	
11	1	9	92.4			8.874959	
12	1	9	61.1			9.92736	
13	2	9	86.9	1845		10.777955	
14	1	9	72.6			11.246041	

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	56.3			0.62752	0
1	2	5	96.1	1617		2.094866	
2	2	5	55.8	1039		3.129937	
3	2	5	97.9	1493		3.825031	
4	2	5	88.9	1782		5.336163	
5	3	5	65.3	1028	1869	6.092372	
6	1	5	55.7			7.5126	
7	3	5	82.5	1262	1945	8.672901	
8	3	5	59.3	1658	1515	8.78588	
9	2	5	72.2	1157		9.877203	
10	1	5	58			11.433264	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	71.1	1834	1914	0.575043	1
1	1	5	55.1			1.332458	
2	1	5	50.2			2.226113	
3	2	5	67.9	1114		2.739605	
4	1	5	76.6			4.064216	
5	3	5	67.5	1124	1851	4.819572	
6	2	5	86.7	1449		5.466529	
7	2	5	64.4	1574		6.777455	
8	3	5	83	1510	1374	7.329532	
9	2	5	78.1	1575		7.814784	
10	2	5	80.6	1380		8.716709	
11	1	5	50.6			9.612209	
12	2	5	67.3	1960		10.754367	
13	2	5	78.7	1834		11.278725	

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	15	82.7	1808	1917	0.015166	1
1	2	15	94.5	1680		1.220916	
2	2	15	80.9	1143		1.827803	
3	3	15	70.3	1048	1327	2.34068	
4	1	15	86.6			3.036145	
5	2	15	98.3	1316		3.982858	
6	1	15	82.8			4.18556	
7	3	15	58.8	1522	1742	4.843648	
8	3	15	55.4	1009	1485	5.712338	
9	1	15	51.7			6.184525	
10	2	15	86.1	1184		7.022463	
11	3	15	90.2	1616	1054	7.41897	
12	3	15	50.6	1148	1952	8.335125	
13	2	15	51.1	1228		8.942773	
14	3	15	58.6	1173	1215	9.408544	
15	3	15	94.8	1671	1114	10.185745	
16	1	15	58.7			10.824981	
17	2	15	78.4	1778		11.633378	

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	77	1927	1861	0.064329	1
1	2	16	52.7	1071		0.987621	
2	2	16	91.9	1039		1.51463	
3	2	16	79.6	1456		2.432675	
4	2	16	70.6	1665		3.528102	
5	1	16	92.4			4.058403	
6	3	16	62.5	1712	1035	4.587941	
7	2	16	85.4	1927		5.807701	
8	3	16	98.1	1301	1563	6.611113	
9	2	16	55.5	1798		7.442101	
10	2	16	67.2	1299		7.590431	
11	3	16	53.8	1974	1164	8.576728	
12	2	16	93.8	1398		9.326865	
13	3	16	74.1	1083	1667	10.152248	
14	2	16	90.1	1071		10.602735	
15	1	16	52.8			11.966659	

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	5688.0, 5689.0, 5298.0, 5599.0, 5341.0, 5548.0, 5347.0, 5567.0, 5336.0, 5277.0, 5479.0, 5314.0, 5475.0, 5538.0, 5374.0, 5301.0, 5578.0, 5358.0, 5684.0, 5664.0, 5673.0, 5522.0, 5422.0, 5464.0, 5287.0, 5367.0, 5460.0, 5441.0, 5310.0, 5484.0, 5534.0, 5681.0, 5705.0, 5620.0, 5313.0, 5300.0, 5293.0, 5509.0, 5344.0, 5665.0, 5414.0, 5252.0, 5528.0, 5288.0, 5656.0, 5351.0, 5700.0, 5523.0, 5352.0, 5279.0, 5562.0, 5317.0, 5521.0, 5598.0, 5387.0, 5568.0, 5579.0, 5718.0, 5397.0, 5381.0, 5674.0, 5721.0, 5354.0, 5378.0, 5486.0, 5429.0, 5319.0, 5488.0, 5635.0, 5671.0, 5542.0, 5366.0, 5608.0, 5653.0, 5697.0, 5311.0, 5554.0, 5606.0, 5518.0, 5363.0, 5714.0, 5641.0, 5331.0, 5712.0, 5587.0, 5406.0, 5265.0, 5291.0, 5615.0, 5438.0, 5701.0, 5540.0, 5303.0, 5329.0, 5370.0, 5433.0, 5530.0, 5651.0, 5396.0, 5559.0 (number of hits: 3)
2	5270	9	1	333	1	5523.0, 5637.0, 5616.0, 5505.0, 5673.0, 5596.0, 5558.0, 5435.0, 5641.0, 5529.0, 5582.0, 5703.0, 5594.0, 5362.0, 5486.0, 5532.0, 5584.0, 5413.0, 5322.0, 5626.0, 5597.0, 5547.0, 5274.0, 5515.0, 5363.0, 5526.0, 5592.0, 5724.0, 5385.0, 5538.0, 5722.0, 5684.0, 5451.0, 5565.0, 5568.0, 5567.0, 5721.0, 5470.0, 5398.0, 5272.0, 5534.0, 5323.0, 5429.0, 5499.0, 5355.0, 5328.0, 5552.0, 5376.0, 5397.0, 5375.0, 5533.0, 5254.0, 5646.0, 5576.0, 5494.0, 5693.0, 5437.0, 5352.0, 5714.0, 5683.0, 5496.0, 5314.0, 5524.0, 5611.0, 5484.0, 5522.0, 5716.0, 5421.0, 5315.0, 5621.0, 5387.0, 5264.0, 5377.0, 5599.0, 5406.0, 5466.0, 5613.0, 5453.0, 5603.0, 5539.0, 5464.0, 5301.0, 5294.0, 5305.0, 5277.0, 5675.0, 5307.0, 5715.0, 5430.0, 5624.0, 5479.0, 5541.0, 5364.0, 5288.0, 5353.0, 5671.0, 5461.0, 5635.0, 5577.0, 5252.0 (number of hits: 4)
3	5270	9	1	333	1	5568.0, 5548.0, 5449.0, 5631.0, 5368.0, 5718.0, 5501.0, 5689.0, 5710.0, 5662.0, 5556.0, 5536.0, 5319.0, 5443.0, 5721.0, 5398.0, 5681.0, 5714.0, 5385.0, 5378.0, 5576.0, 5711.0, 5696.0, 5694.0, 5520.0, 5269.0, 5702.0, 5340.0, 5426.0, 5473.0, 5613.0, 5462.0, 5454.0, 5505.0, 5625.0, 5430.0, 5614.0, 5515.0, 5506.0, 5671.0, 5301.0, 5397.0, 5422.0, 5493.0, 5374.0, 5347.0, 5719.0, 5555.0, 5409.0, 5343.0, 5486.0, 5381.0, 5471.0, 5255.0, 5546.0,

						5365.0, 5371.0, 5676.0, 5633.0, 5538.0, 5642.0, 5270.0, 5375.0, 5260.0, 5638.0, 5627.0, 5386.0, 5692.0, 5722.0, 5670.0, 5341.0, 5630.0, 5317.0, 5557.0, 5575.0, 5414.0, 5666.0, 5251.0, 5698.0, 5261.0, 5389.0, 5289.0, 5690.0, 5589.0, 5331.0, 5643.0, 5700.0, 5390.0, 5640.0, 5272.0, 5543.0, 5262.0, 5418.0, 5526.0, 5535.0, 5314.0, 5615.0, 5265.0, 5283.0, 5297.0 (number of hits: 7)
4	5270	9	1	333	1	5341.0, 5276.0, 5685.0, 5703.0, 5571.0, 5371.0, 5581.0, 5567.0, 5440.0, 5539.0, 5674.0, 5506.0, 5383.0, 5420.0, 5319.0, 5324.0, 5517.0, 5688.0, 5695.0, 5474.0, 5444.0, 5491.0, 5284.0, 5657.0, 5681.0, 5286.0, 5500.0, 5256.0, 5664.0, 5660.0, 5258.0, 5380.0, 5429.0, 5455.0, 5525.0, 5561.0, 5513.0, 5640.0, 5617.0, 5437.0, 5470.0, 5720.0, 5473.0, 5553.0, 5303.0, 5563.0, 5705.0, 5409.0, 5682.0, 5400.0, 5510.0, 5387.0, 5541.0, 5446.0, 5634.0, 5456.0, 5545.0, 5723.0, 5562.0, 5253.0, 5615.0, 5632.0, 5481.0, 5434.0, 5398.0, 5264.0, 5351.0, 5337.0, 5704.0, 5526.0, 5411.0, 5673.0, 5637.0, 5302.0, 5490.0, 5702.0, 5459.0, 5502.0, 5269.0, 5554.0, 5521.0, 5597.0, 5331.0, 5287.0, 5366.0, 5424.0, 5375.0, 5352.0, 5501.0, 5480.0, 5465.0, 5397.0, 5590.0, 5479.0, 5275.0, 5589.0, 5442.0, 5321.0, 5265.0, 5299.0 (number of hits: 5)
5	5270	9	1	333	1	5405.0, 5295.0, 5357.0, 5517.0, 5509.0, 5281.0, 5642.0, 5614.0, 5323.0, 5548.0, 5310.0, 5589.0, 5472.0, 5351.0, 5410.0, 5541.0, 5687.0, 5511.0, 5396.0, 5549.0, 5492.0, 5290.0, 5442.0, 5508.0, 5626.0, 5379.0, 5469.0, 5471.0, 5596.0, 5256.0, 5630.0, 5612.0, 5479.0, 5569.0, 5520.0, 5432.0, 5324.0, 5521.0, 5679.0, 5503.0, 5398.0, 5451.0, 5586.0, 5476.0, 5455.0, 5500.0, 5558.0, 5350.0, 5723.0, 5360.0, 5535.0, 5341.0, 5637.0, 5390.0, 5640.0, 5681.0, 5720.0, 5543.0, 5576.0, 5507.0, 5260.0, 5527.0, 5446.0, 5654.0, 5394.0, 5393.0, 5693.0, 5332.0, 5320.0, 5562.0, 5584.0, 5557.0, 5512.0, 5655.0, 5417.0, 5399.0, 5540.0, 5581.0, 5525.0, 5273.0, 5529.0, 5485.0, 5434.0, 5259.0, 5545.0, 5692.0, 5437.0, 5426.0, 5618.0, 5340.0, 5623.0, 5683.0, 5334.0, 5600.0, 5663.0, 5429.0, 5551.0, 5672.0, 5591.0, 5561.0 (number of hits: 2)
6	5270	9	1	333	1	5431.0, 5268.0, 5258.0, 5369.0, 5722.0, 5556.0, 5573.0, 5614.0, 5686.0, 5468.0, 5426.0, 5410.0, 5670.0, 5516.0, 5449.0, 5272.0, 5630.0, 5691.0, 5338.0, 5489.0, 5458.0, 5349.0, 5267.0, 5373.0, 5365.0, 5330.0, 5256.0, 5555.0, 5405.0, 5271.0, 5491.0, 5522.0, 5411.0, 5631.0, 5347.0,

						5636.0, 5643.0, 5610.0, 5305.0, 5441.0, 5453.0, 5716.0, 5273.0, 5362.0, 5292.0, 5707.0, 5673.0, 5484.0, 5535.0, 5312.0, 5655.0, 5439.0, 5390.0, 5672.0, 5332.0, 5705.0, 5624.0, 5281.0, 5687.0, 5662.0, 5719.0, 5586.0, 5327.0, 5387.0, 5395.0, 5523.0, 5480.0, 5298.0, 5536.0, 5601.0, 5635.0, 5498.0, 5370.0, 5318.0, 5402.0, 5465.0, 5255.0, 5433.0, 5628.0, 5367.0, 5306.0, 5671.0, 5660.0, 5512.0, 5371.0, 5454.0, 5526.0, 5323.0, 5680.0, 5381.0, 5548.0, 5647.0, 5593.0, 5285.0, 5649.0, 5467.0, 5485.0, 5352.0, 5533.0, 5657.0 (number of hits: 5)
7	5270	9	1	333	1	5715.0, 5395.0, 5378.0, 5347.0, 5384.0, 5458.0, 5325.0, 5478.0, 5504.0, 5520.0, 5712.0, 5588.0, 5676.0, 5690.0, 5670.0, 5357.0, 5272.0, 5313.0, 5406.0, 5275.0, 5624.0, 5600.0, 5531.0, 5340.0, 5285.0, 5537.0, 5662.0, 5696.0, 5432.0, 5576.0, 5482.0, 5337.0, 5327.0, 5669.0, 5348.0, 5496.0, 5309.0, 5284.0, 5456.0, 5511.0, 5437.0, 5595.0, 5392.0, 5405.0, 5389.0, 5591.0, 5509.0, 5304.0, 5296.0, 5280.0, 5452.0, 5542.0, 5383.0, 5349.0, 5636.0, 5622.0, 5507.0, 5555.0, 5521.0, 5467.0, 5682.0, 5286.0, 5260.0, 5326.0, 5307.0, 5261.0, 5567.0, 5517.0, 5513.0, 5719.0, 5454.0, 5279.0, 5694.0, 5646.0, 5544.0, 5562.0, 5287.0, 5323.0, 5628.0, 5344.0, 5401.0, 5621.0, 5368.0, 5430.0, 5699.0, 5473.0, 5486.0, 5695.0, 5360.0, 5435.0, 5300.0, 5666.0, 5678.0, 5572.0, 5445.0, 5369.0, 5460.0, 5718.0, 5471.0, 5427.0 (number of hits: 5)
8	5270	9	1	333	1	5571.0, 5306.0, 5706.0, 5399.0, 5698.0, 5497.0, 5565.0, 5424.0, 5499.0, 5453.0, 5342.0, 5558.0, 5333.0, 5473.0, 5297.0, 5667.0, 5408.0, 5404.0, 5259.0, 5262.0, 5255.0, 5356.0, 5687.0, 5479.0, 5550.0, 5566.0, 5723.0, 5307.0, 5534.0, 5525.0, 5273.0, 5647.0, 5412.0, 5633.0, 5341.0, 5657.0, 5552.0, 5659.0, 5359.0, 5677.0, 5583.0, 5490.0, 5378.0, 5366.0, 5580.0, 5649.0, 5581.0, 5587.0, 5592.0, 5447.0, 5678.0, 5275.0, 5669.0, 5485.0, 5406.0, 5689.0, 5510.0, 5427.0, 5673.0, 5251.0, 5302.0, 5596.0, 5513.0, 5317.0, 5426.0, 5339.0, 5699.0, 5595.0, 5384.0, 5309.0, 5394.0, 5553.0, 5362.0, 5684.0, 5512.0, 5712.0, 5368.0, 5640.0, 5301.0, 5474.0, 5523.0, 5374.0, 5372.0, 5486.0, 5697.0, 5683.0, 5528.0, 5575.0, 5387.0, 5430.0, 5432.0, 5702.0, 5296.0, 5549.0, 5376.0, 5717.0, 5435.0, 5686.0, 5252.0, 5696.0 (number of hits: 3)
9	5270	9	1	333	1	5708.0, 5605.0, 5664.0, 5481.0, 5586.0, 5482.0, 5401.0, 5493.0, 5541.0, 5436.0, 5687.0, 5271.0, 5622.0, 5469.0, 5295.0,

						5286.0, 5283.0, 5365.0, 5278.0, 5567.0, 5387.0, 5333.0, 5329.0, 5670.0, 5313.0, 5543.0, 5320.0, 5330.0, 5435.0, 5452.0, 5380.0, 5518.0, 5288.0, 5723.0, 5459.0, 5681.0, 5565.0, 5314.0, 5394.0, 5678.0, 5714.0, 5429.0, 5447.0, 5474.0, 5460.0, 5268.0, 5525.0, 5289.0, 5354.0, 5476.0, 5406.0, 5699.0, 5445.0, 5339.0, 5292.0, 5464.0, 5705.0, 5360.0, 5364.0, 5473.0, 5385.0, 5636.0, 5642.0, 5534.0, 5722.0, 5332.0, 5668.0, 5503.0, 5616.0, 5383.0, 5702.0, 5356.0, 5648.0, 5405.0, 5686.0, 5517.0, 5338.0, 5620.0, 5716.0, 5560.0, 5269.0, 5252.0, 5386.0, 5303.0, 5689.0, 5323.0, 5635.0, 5463.0, 5372.0, 5578.0, 5673.0, 5258.0, 5296.0, 5623.0, 5418.0, 5632.0, 5568.0, 5591.0, 5340.0, 5657.0 (number of hits: 4)
10	5270	9	1	333	1	5391.0, 5290.0, 5291.0, 5602.0, 5320.0, 5380.0, 5279.0, 5669.0, 5491.0, 5556.0, 5519.0, 5461.0, 5706.0, 5514.0, 5552.0, 5553.0, 5370.0, 5292.0, 5376.0, 5377.0, 5582.0, 5585.0, 5678.0, 5346.0, 5332.0, 5389.0, 5708.0, 5343.0, 5393.0, 5719.0, 5568.0, 5466.0, 5483.0, 5572.0, 5306.0, 5316.0, 5484.0, 5554.0, 5666.0, 5522.0, 5545.0, 5408.0, 5259.0, 5333.0, 5650.0, 5307.0, 5664.0, 5404.0, 5576.0, 5546.0, 5397.0, 5410.0, 5475.0, 5488.0, 5317.0, 5677.0, 5286.0, 5628.0, 5443.0, 5275.0, 5618.0, 5479.0, 5424.0, 5493.0, 5325.0, 5339.0, 5269.0, 5347.0, 5589.0, 5610.0, 5358.0, 5557.0, 5457.0, 5474.0, 5265.0, 5713.0, 5722.0, 5721.0, 5659.0, 5629.0, 5262.0, 5361.0, 5386.0, 5281.0, 5723.0, 5518.0, 5266.0, 5394.0, 5497.0, 5637.0, 5494.0, 5591.0, 5470.0, 5649.0, 5537.0, 5671.0, 5401.0, 5676.0, 5418.0, 5653.0 (number of hits: 6)
11	5270	9	1	333	1	5577.0, 5716.0, 5410.0, 5375.0, 5257.0, 5318.0, 5290.0, 5702.0, 5523.0, 5470.0, 5342.0, 5507.0, 5386.0, 5355.0, 5252.0, 5414.0, 5448.0, 5658.0, 5714.0, 5289.0, 5413.0, 5672.0, 5596.0, 5597.0, 5690.0, 5669.0, 5599.0, 5408.0, 5316.0, 5683.0, 5525.0, 5533.0, 5423.0, 5640.0, 5588.0, 5338.0, 5560.0, 5364.0, 5651.0, 5595.0, 5653.0, 5432.0, 5458.0, 5349.0, 5623.0, 5327.0, 5589.0, 5391.0, 5692.0, 5642.0, 5361.0, 5722.0, 5489.0, 5456.0, 5508.0, 5675.0, 5331.0, 5491.0, 5543.0, 5336.0, 5664.0, 5363.0, 5509.0, 5635.0, 5320.0, 5629.0, 5575.0, 5608.0, 5493.0, 5354.0, 5463.0, 5686.0, 5379.0, 5551.0, 5296.0, 5357.0, 5356.0, 5547.0, 5677.0, 5455.0, 5255.0, 5366.0, 5314.0, 5648.0, 5541.0, 5442.0, 5549.0, 5579.0, 5638.0, 5666.0, 5619.0, 5703.0, 5395.0, 5447.0, 5563.0, 5373.0, 5679.0, 5480.0, 5510.0, 5264.0

						(number of hits: 1)
12	5270	9	1	333	1	5666.0, 5682.0, 5308.0, 5621.0, 5444.0, 5419.0, 5279.0, 5305.0, 5382.0, 5559.0, 5598.0, 5329.0, 5311.0, 5464.0, 5467.0, 5495.0, 5514.0, 5261.0, 5404.0, 5536.0, 5337.0, 5627.0, 5323.0, 5642.0, 5334.0, 5677.0, 5500.0, 5359.0, 5386.0, 5402.0, 5531.0, 5400.0, 5618.0, 5300.0, 5363.0, 5595.0, 5620.0, 5492.0, 5616.0, 5333.0, 5276.0, 5341.0, 5451.0, 5265.0, 5476.0, 5374.0, 5256.0, 5521.0, 5347.0, 5647.0, 5264.0, 5340.0, 5348.0, 5583.0, 5685.0, 5502.0, 5394.0, 5512.0, 5668.0, 5577.0, 5485.0, 5664.0, 5658.0, 5507.0, 5506.0, 5513.0, 5698.0, 5254.0, 5384.0, 5366.0, 5364.0, 5636.0, 5283.0, 5535.0, 5379.0, 5287.0, 5525.0, 5252.0, 5543.0, 5520.0, 5441.0, 5285.0, 5277.0, 5581.0, 5255.0, 5304.0, 5457.0, 5692.0, 5517.0, 5420.0, 5291.0, 5639.0, 5686.0, 5356.0, 5586.0, 5593.0, 5410.0, 5501.0, 5643.0, 5352.0 (number of hits: 6)
13	5270	9	1	333	1	5692.0, 5265.0, 5603.0, 5429.0, 5634.0, 5252.0, 5277.0, 5566.0, 5671.0, 5669.0, 5526.0, 5519.0, 5696.0, 5263.0, 5525.0, 5515.0, 5472.0, 5615.0, 5485.0, 5444.0, 5368.0, 5487.0, 5452.0, 5655.0, 5456.0, 5583.0, 5271.0, 5504.0, 5670.0, 5666.0, 5342.0, 5642.0, 5423.0, 5489.0, 5350.0, 5321.0, 5305.0, 5582.0, 5272.0, 5479.0, 5609.0, 5473.0, 5651.0, 5551.0, 5357.0, 5672.0, 5420.0, 5602.0, 5596.0, 5467.0, 5533.0, 5280.0, 5562.0, 5662.0, 5523.0, 5606.0, 5660.0, 5283.0, 5315.0, 5497.0, 5273.0, 5458.0, 5577.0, 5402.0, 5341.0, 5712.0, 5419.0, 5322.0, 5691.0, 5527.0, 5697.0, 5627.0, 5641.0, 5270.0, 5470.0, 5614.0, 5498.0, 5439.0, 5414.0, 5391.0, 5709.0, 5503.0, 5654.0, 5298.0, 5645.0, 5327.0, 5376.0, 5585.0, 5348.0, 5638.0, 5381.0, 5581.0, 5302.0, 5432.0, 5385.0, 5405.0, 5539.0, 5590.0, 5568.0, 5536.0 (number of hits: 7)
14	5270	9	1	333	1	5327.0, 5586.0, 5546.0, 5271.0, 5540.0, 5312.0, 5370.0, 5453.0, 5270.0, 5325.0, 5501.0, 5420.0, 5593.0, 5318.0, 5432.0, 5723.0, 5379.0, 5402.0, 5284.0, 5301.0, 5261.0, 5291.0, 5493.0, 5496.0, 5545.0, 5664.0, 5485.0, 5308.0, 5372.0, 5531.0, 5462.0, 5537.0, 5276.0, 5700.0, 5385.0, 5332.0, 5389.0, 5680.0, 5551.0, 5264.0, 5610.0, 5353.0, 5548.0, 5662.0, 5506.0, 5433.0, 5590.0, 5629.0, 5474.0, 5657.0, 5588.0, 5355.0, 5519.0, 5614.0, 5468.0, 5722.0, 5473.0, 5324.0, 5394.0, 5383.0, 5407.0, 5547.0, 5393.0, 5582.0, 5384.0, 5305.0, 5278.0, 5470.0, 5377.0, 5640.0, 5481.0, 5349.0, 5317.0, 5606.0, 5467.0, 5447.0, 5287.0, 5411.0, 5628.0, 5359.0,

						5369.0, 5371.0, 5649.0, 5497.0, 5529.0, 5471.0, 5335.0, 5530.0, 5337.0, 5388.0, 5604.0, 5635.0, 5674.0, 5364.0, 5292.0, 5253.0, 5624.0, 5395.0, 5524.0, 5589.0 (number of hits: 6)
15	5270	9	1	333	1	5284.0, 5289.0, 5277.0, 5534.0, 5430.0, 5694.0, 5251.0, 5432.0, 5319.0, 5715.0, 5384.0, 5410.0, 5522.0, 5304.0, 5486.0, 5366.0, 5621.0, 5392.0, 5488.0, 5317.0, 5487.0, 5266.0, 5671.0, 5422.0, 5442.0, 5356.0, 5447.0, 5369.0, 5651.0, 5359.0, 5270.0, 5592.0, 5441.0, 5273.0, 5540.0, 5471.0, 5496.0, 5636.0, 5641.0, 5498.0, 5436.0, 5465.0, 5545.0, 5478.0, 5692.0, 5504.0, 5639.0, 5351.0, 5316.0, 5464.0, 5599.0, 5626.0, 5710.0, 5677.0, 5633.0, 5374.0, 5616.0, 5699.0, 5576.0, 5342.0, 5643.0, 5489.0, 5372.0, 5336.0, 5696.0, 5361.0, 5587.0, 5296.0, 5344.0, 5302.0, 5635.0, 5332.0, 5484.0, 5502.0, 5358.0, 5434.0, 5684.0, 5582.0, 5439.0, 5299.0, 5260.0, 5695.0, 5325.0, 5477.0, 5414.0, 5560.0, 5308.0, 5614.0, 5331.0, 5705.0, 5551.0, 5578.0, 5670.0, 5407.0, 5663.0, 5518.0, 5485.0, 5338.0, 5398.0, 5423.0 (number of hits: 5)
16	5270	9	1	333	1	5385.0, 5320.0, 5467.0, 5592.0, 5494.0, 5719.0, 5418.0, 5409.0, 5647.0, 5459.0, 5516.0, 5515.0, 5491.0, 5435.0, 5455.0, 5276.0, 5311.0, 5704.0, 5559.0, 5586.0, 5662.0, 5603.0, 5298.0, 5595.0, 5611.0, 5415.0, 5286.0, 5352.0, 5394.0, 5612.0, 5414.0, 5690.0, 5584.0, 5543.0, 5299.0, 5625.0, 5679.0, 5709.0, 5495.0, 5707.0, 5429.0, 5261.0, 5422.0, 5560.0, 5572.0, 5277.0, 5281.0, 5337.0, 5368.0, 5542.0, 5456.0, 5633.0, 5682.0, 5342.0, 5681.0, 5474.0, 5609.0, 5535.0, 5712.0, 5462.0, 5688.0, 5556.0, 5601.0, 5551.0, 5444.0, 5649.0, 5280.0, 5589.0, 5345.0, 5517.0, 5335.0, 5602.0, 5721.0, 5582.0, 5672.0, 5644.0, 5464.0, 5441.0, 5636.0, 5313.0, 5533.0, 5424.0, 5471.0, 5677.0, 5251.0, 5372.0, 5430.0, 5531.0, 5316.0, 5287.0, 5366.0, 5451.0, 5297.0, 5382.0, 5318.0, 5608.0, 5573.0, 5452.0, 5362.0, 5325.0 (number of hits: 3)
17	5270	9	1	333	1	5400.0, 5531.0, 5442.0, 5633.0, 5573.0, 5351.0, 5315.0, 5694.0, 5541.0, 5312.0, 5402.0, 5285.0, 5645.0, 5596.0, 5458.0, 5331.0, 5460.0, 5428.0, 5461.0, 5380.0, 5273.0, 5664.0, 5523.0, 5363.0, 5669.0, 5665.0, 5709.0, 5659.0, 5253.0, 5407.0, 5518.0, 5567.0, 5298.0, 5489.0, 5278.0, 5479.0, 5563.0, 5476.0, 5692.0, 5276.0, 5322.0, 5270.0, 5571.0, 5304.0, 5527.0, 5430.0, 5388.0, 5561.0, 5259.0, 5345.0, 5537.0, 5628.0, 5350.0, 5516.0, 5607.0, 5440.0, 5700.0, 5272.0, 5477.0, 5293.0,

						5547.0, 5357.0, 5300.0, 5381.0, 5459.0, 5462.0, 5418.0, 5282.0, 5416.0, 5287.0, 5625.0, 5636.0, 5663.0, 5610.0, 5309.0, 5265.0, 5632.0, 5594.0, 5274.0, 5588.0, 5556.0, 5316.0, 5626.0, 5615.0, 5536.0, 5421.0, 5412.0, 5507.0, 5286.0, 5635.0, 5698.0, 5627.0, 5444.0, 5629.0, 5509.0, 5670.0, 5441.0, 5672.0, 5658.0, 5484.0 (number of hits: 7)
18	5270	9	1	333	1	5724.0, 5318.0, 5672.0, 5432.0, 5584.0, 5415.0, 5458.0, 5457.0, 5569.0, 5545.0, 5433.0, 5332.0, 5447.0, 5376.0, 5414.0, 5566.0, 5665.0, 5366.0, 5563.0, 5439.0, 5610.0, 5524.0, 5446.0, 5564.0, 5355.0, 5533.0, 5639.0, 5643.0, 5362.0, 5644.0, 5633.0, 5531.0, 5659.0, 5266.0, 5301.0, 5317.0, 5436.0, 5334.0, 5392.0, 5499.0, 5393.0, 5304.0, 5272.0, 5488.0, 5344.0, 5437.0, 5342.0, 5655.0, 5486.0, 5257.0, 5261.0, 5487.0, 5712.0, 5259.0, 5628.0, 5703.0, 5670.0, 5642.0, 5641.0, 5651.0, 5443.0, 5330.0, 5688.0, 5479.0, 5463.0, 5618.0, 5528.0, 5477.0, 5339.0, 5511.0, 5394.0, 5707.0, 5625.0, 5336.0, 5481.0, 5338.0, 5462.0, 5626.0, 5624.0, 5367.0, 5388.0, 5408.0, 5267.0, 5314.0, 5302.0, 5497.0, 5283.0, 5435.0, 5679.0, 5609.0, 5365.0, 5496.0, 5374.0, 5669.0, 5490.0, 5395.0, 5571.0, 5701.0, 5601.0, 5696.0 (number of hits: 4)
19	5270	9	1	333	1	5657.0, 5376.0, 5484.0, 5471.0, 5402.0, 5510.0, 5717.0, 5284.0, 5546.0, 5631.0, 5359.0, 5330.0, 5470.0, 5692.0, 5558.0, 5466.0, 5415.0, 5543.0, 5563.0, 5262.0, 5645.0, 5571.0, 5539.0, 5638.0, 5715.0, 5697.0, 5580.0, 5528.0, 5414.0, 5673.0, 5274.0, 5560.0, 5340.0, 5478.0, 5433.0, 5363.0, 5377.0, 5621.0, 5575.0, 5540.0, 5394.0, 5349.0, 5324.0, 5430.0, 5465.0, 5397.0, 5286.0, 5699.0, 5365.0, 5496.0, 5661.0, 5569.0, 5531.0, 5640.0, 5333.0, 5600.0, 5423.0, 5399.0, 5582.0, 5316.0, 5325.0, 5339.0, 5592.0, 5696.0, 5590.0, 5649.0, 5338.0, 5482.0, 5709.0, 5343.0, 5589.0, 5362.0, 5713.0, 5716.0, 5264.0, 5705.0, 5526.0, 5356.0, 5418.0, 5373.0, 5681.0, 5518.0, 5669.0, 5379.0, 5446.0, 5603.0, 5353.0, 5266.0, 5261.0, 5508.0, 5476.0, 5626.0, 5450.0, 5275.0, 5289.0, 5606.0, 5656.0, 5529.0, 5517.0, 5652.0 (number of hits: 6)
20	5270	9	1	333	1	5462.0, 5568.0, 5694.0, 5374.0, 5657.0, 5602.0, 5280.0, 5302.0, 5621.0, 5434.0, 5406.0, 5332.0, 5483.0, 5484.0, 5288.0, 5722.0, 5637.0, 5576.0, 5673.0, 5386.0, 5665.0, 5691.0, 5639.0, 5349.0, 5261.0, 5438.0, 5512.0, 5586.0, 5327.0, 5676.0, 5432.0, 5557.0, 5341.0, 5346.0, 5304.0, 5331.0, 5626.0, 5461.0, 5548.0, 5470.0,

						5506.0, 5392.0, 5607.0, 5723.0, 5321.0, 5527.0, 5490.0, 5418.0, 5519.0, 5573.0, 5700.0, 5277.0, 5570.0, 5472.0, 5420.0, 5480.0, 5272.0, 5636.0, 5667.0, 5274.0, 5264.0, 5582.0, 5297.0, 5566.0, 5260.0, 5363.0, 5536.0, 5500.0, 5652.0, 5456.0, 5645.0, 5707.0, 5574.0, 5435.0, 5300.0, 5395.0, 5683.0, 5289.0, 5658.0, 5330.0, 5426.0, 5511.0, 5364.0, 5547.0, 5537.0, 5554.0, 5308.0, 5618.0, 5424.0, 5521.0, 5479.0, 5352.0, 5584.0, 5329.0, 5650.0, 5286.0, 5269.0, 5298.0, 5433.0, 5345.0 (number of hits: 7)
21	5270	9	1	333	1	5666.0, 5264.0, 5295.0, 5573.0, 5597.0, 5512.0, 5462.0, 5408.0, 5549.0, 5370.0, 5303.0, 5627.0, 5395.0, 5577.0, 5374.0, 5261.0, 5530.0, 5339.0, 5651.0, 5378.0, 5507.0, 5399.0, 5440.0, 5349.0, 5646.0, 5459.0, 5486.0, 5690.0, 5700.0, 5617.0, 5402.0, 5688.0, 5480.0, 5628.0, 5556.0, 5704.0, 5461.0, 5388.0, 5448.0, 5259.0, 5652.0, 5537.0, 5301.0, 5514.0, 5713.0, 5290.0, 5513.0, 5449.0, 5421.0, 5505.0, 5720.0, 5292.0, 5271.0, 5670.0, 5331.0, 5444.0, 5697.0, 5442.0, 5526.0, 5433.0, 5436.0, 5672.0, 5455.0, 5377.0, 5547.0, 5562.0, 5490.0, 5565.0, 5691.0, 5360.0, 5365.0, 5431.0, 5285.0, 5712.0, 5620.0, 5536.0, 5324.0, 5481.0, 5644.0, 5386.0, 5270.0, 5464.0, 5317.0, 5283.0, 5648.0, 5634.0, 5414.0, 5397.0, 5493.0, 5684.0, 5701.0, 5612.0, 5635.0, 5287.0, 5548.0, 5316.0, 5693.0, 5623.0, 5482.0, 5498.0 (number of hits: 4)
22	5270	9	1	333	1	5343.0, 5582.0, 5682.0, 5654.0, 5344.0, 5416.0, 5478.0, 5649.0, 5517.0, 5701.0, 5442.0, 5659.0, 5311.0, 5417.0, 5697.0, 5599.0, 5284.0, 5524.0, 5472.0, 5300.0, 5354.0, 5346.0, 5513.0, 5681.0, 5348.0, 5271.0, 5453.0, 5569.0, 5613.0, 5643.0, 5539.0, 5594.0, 5313.0, 5293.0, 5592.0, 5371.0, 5305.0, 5522.0, 5646.0, 5501.0, 5509.0, 5700.0, 5374.0, 5617.0, 5428.0, 5325.0, 5299.0, 5447.0, 5538.0, 5669.0, 5295.0, 5429.0, 5259.0, 5576.0, 5314.0, 5679.0, 5304.0, 5624.0, 5403.0, 5266.0, 5455.0, 5320.0, 5362.0, 5277.0, 5481.0, 5540.0, 5563.0, 5573.0, 5543.0, 5688.0, 5553.0, 5636.0, 5600.0, 5480.0, 5489.0, 5536.0, 5275.0, 5670.0, 5598.0, 5673.0, 5475.0, 5689.0, 5578.0, 5704.0, 5508.0, 5514.0, 5412.0, 5444.0, 5335.0, 5312.0, 5633.0, 5413.0, 5548.0, 5330.0, 5680.0, 5603.0, 5499.0, 5251.0, 5623.0, 5460.0 (number of hits: 4)
23	5270	9	1	333	1	5332.0, 5548.0, 5477.0, 5583.0, 5486.0, 5303.0, 5681.0, 5363.0, 5253.0, 5561.0, 5325.0, 5290.0, 5531.0, 5618.0, 5461.0, 5524.0, 5431.0, 5605.0, 5520.0, 5631.0,

						5711.0, 5713.0, 5723.0, 5403.0, 5374.0, 5564.0, 5533.0, 5549.0, 5588.0, 5334.0, 5312.0, 5585.0, 5269.0, 5566.0, 5443.0, 5567.0, 5494.0, 5409.0, 5293.0, 5347.0, 5471.0, 5370.0, 5397.0, 5392.0, 5608.0, 5306.0, 5284.0, 5441.0, 5709.0, 5676.0, 5593.0, 5465.0, 5502.0, 5478.0, 5271.0, 5719.0, 5611.0, 5485.0, 5558.0, 5382.0, 5544.0, 5254.0, 5362.0, 5257.0, 5405.0, 5623.0, 5288.0, 5690.0, 5304.0, 5255.0, 5653.0, 5437.0, 5505.0, 5637.0, 5335.0, 5515.0, 5379.0, 5463.0, 5361.0, 5462.0, 5628.0, 5310.0, 5330.0, 5299.0, 5603.0, 5715.0, 5541.0, 5506.0, 5327.0, 5497.0, 5377.0, 5381.0, 5722.0, 5712.0, 5528.0, 5659.0, 5658.0, 5278.0, 5342.0, 5677.0 (number of hits: 3)
24	5270	9	1	333	1	5275.0, 5394.0, 5539.0, 5693.0, 5256.0, 5445.0, 5647.0, 5261.0, 5383.0, 5297.0, 5579.0, 5715.0, 5712.0, 5525.0, 5620.0, 5684.0, 5391.0, 5270.0, 5413.0, 5492.0, 5271.0, 5469.0, 5666.0, 5344.0, 5340.0, 5301.0, 5452.0, 5461.0, 5574.0, 5348.0, 5515.0, 5549.0, 5521.0, 5457.0, 5504.0, 5407.0, 5399.0, 5486.0, 5318.0, 5473.0, 5576.0, 5546.0, 5664.0, 5587.0, 5363.0, 5373.0, 5687.0, 5632.0, 5354.0, 5534.0, 5713.0, 5442.0, 5543.0, 5572.0, 5361.0, 5286.0, 5325.0, 5314.0, 5294.0, 5580.0, 5559.0, 5337.0, 5667.0, 5530.0, 5393.0, 5527.0, 5612.0, 5661.0, 5403.0, 5446.0, 5430.0, 5472.0, 5291.0, 5696.0, 5575.0, 5644.0, 5599.0, 5577.0, 5662.0, 5716.0, 5514.0, 5582.0, 5665.0, 5600.0, 5589.0, 5590.0, 5623.0, 5718.0, 5295.0, 5519.0, 5417.0, 5408.0, 5335.0, 5276.0, 5279.0, 5423.0, 5703.0, 5470.0, 5547.0, 5436.0 (number of hits: 6)
25	5270	9	1	333	1	5452.0, 5671.0, 5359.0, 5636.0, 5622.0, 5477.0, 5290.0, 5616.0, 5416.0, 5395.0, 5412.0, 5567.0, 5670.0, 5529.0, 5262.0, 5358.0, 5382.0, 5394.0, 5501.0, 5299.0, 5506.0, 5460.0, 5368.0, 5338.0, 5510.0, 5318.0, 5363.0, 5333.0, 5571.0, 5528.0, 5650.0, 5541.0, 5398.0, 5449.0, 5635.0, 5459.0, 5390.0, 5276.0, 5295.0, 5470.0, 5408.0, 5297.0, 5613.0, 5720.0, 5271.0, 5712.0, 5559.0, 5444.0, 5708.0, 5485.0, 5519.0, 5715.0, 5319.0, 5602.0, 5427.0, 5589.0, 5570.0, 5456.0, 5268.0, 5313.0, 5632.0, 5385.0, 5724.0, 5310.0, 5400.0, 5316.0, 5342.0, 5565.0, 5253.0, 5657.0, 5401.0, 5574.0, 5547.0, 5453.0, 5653.0, 5543.0, 5705.0, 5558.0, 5658.0, 5609.0, 5399.0, 5621.0, 5560.0, 5498.0, 5404.0, 5491.0, 5265.0, 5633.0, 5675.0, 5314.0, 5601.0, 5466.0, 5588.0, 5434.0, 5564.0, 5267.0, 5406.0, 5652.0, 5711.0, 5719.0 (number of hits: 6)

26	5270	9	1	333	1	5470.0, 5687.0, 5650.0, 5297.0, 5653.0, 5490.0, 5284.0, 5390.0, 5518.0, 5634.0, 5362.0, 5605.0, 5537.0, 5288.0, 5414.0, 5448.0, 5698.0, 5691.0, 5619.0, 5283.0, 5394.0, 5278.0, 5439.0, 5673.0, 5461.0, 5555.0, 5598.0, 5485.0, 5400.0, 5626.0, 5455.0, 5259.0, 5548.0, 5405.0, 5299.0, 5437.0, 5699.0, 5641.0, 5364.0, 5309.0, 5417.0, 5343.0, 5718.0, 5502.0, 5260.0, 5625.0, 5540.0, 5345.0, 5379.0, 5489.0, 5600.0, 5595.0, 5488.0, 5269.0, 5337.0, 5424.0, 5465.0, 5573.0, 5553.0, 5604.0, 5684.0, 5473.0, 5415.0, 5522.0, 5666.0, 5493.0, 5336.0, 5512.0, 5714.0, 5588.0, 5388.0, 5444.0, 5701.0, 5607.0, 5618.0, 5433.0, 5408.0, 5262.0, 5594.0, 5339.0, 5263.0, 5471.0, 5640.0, 5457.0, 5559.0, 5592.0, 5312.0, 5363.0, 5611.0, 5396.0, 5392.0, 5606.0, 5633.0, 5347.0, 5568.0, 5349.0, 5460.0, 5511.0, 5643.0, 5443.0 (number of hits: 5)
27	5270	9	1	333	1	5696.0, 5672.0, 5625.0, 5256.0, 5330.0, 5633.0, 5467.0, 5538.0, 5308.0, 5310.0, 5646.0, 5701.0, 5472.0, 5302.0, 5386.0, 5267.0, 5297.0, 5341.0, 5469.0, 5485.0, 5514.0, 5374.0, 5371.0, 5332.0, 5512.0, 5666.0, 5501.0, 5294.0, 5414.0, 5618.0, 5580.0, 5648.0, 5406.0, 5639.0, 5340.0, 5567.0, 5591.0, 5547.0, 5586.0, 5681.0, 5665.0, 5669.0, 5421.0, 5430.0, 5480.0, 5682.0, 5479.0, 5399.0, 5656.0, 5427.0, 5314.0, 5483.0, 5383.0, 5432.0, 5457.0, 5264.0, 5504.0, 5704.0, 5498.0, 5277.0, 5274.0, 5261.0, 5255.0, 5331.0, 5576.0, 5355.0, 5471.0, 5337.0, 5529.0, 5487.0, 5476.0, 5354.0, 5558.0, 5306.0, 5624.0, 5691.0, 5251.0, 5287.0, 5336.0, 5375.0, 5344.0, 5612.0, 5548.0, 5574.0, 5527.0, 5647.0, 5438.0, 5384.0, 5377.0, 5572.0, 5450.0, 5593.0, 5268.0, 5505.0, 5459.0, 5348.0, 5395.0, 5556.0, 5664.0, 5262.0 (number of hits: 7)
28	5270	9	1	333	1	5570.0, 5701.0, 5710.0, 5378.0, 5574.0, 5679.0, 5271.0, 5616.0, 5322.0, 5461.0, 5678.0, 5486.0, 5261.0, 5384.0, 5683.0, 5331.0, 5530.0, 5362.0, 5602.0, 5597.0, 5707.0, 5333.0, 5655.0, 5286.0, 5397.0, 5372.0, 5381.0, 5531.0, 5441.0, 5270.0, 5640.0, 5353.0, 5623.0, 5684.0, 5586.0, 5671.0, 5601.0, 5712.0, 5403.0, 5672.0, 5551.0, 5713.0, 5263.0, 5467.0, 5639.0, 5343.0, 5537.0, 5622.0, 5254.0, 5576.0, 5291.0, 5590.0, 5319.0, 5536.0, 5265.0, 5252.0, 5517.0, 5281.0, 5606.0, 5338.0, 5515.0, 5336.0, 5615.0, 5688.0, 5439.0, 5371.0, 5629.0, 5642.0, 5308.0, 5453.0, 5675.0, 5699.0, 5444.0, 5660.0, 5470.0, 5318.0, 5251.0, 5719.0, 5448.0, 5724.0, 5526.0, 5293.0, 5697.0, 5473.0, 5619.0,

						5585.0, 5442.0, 5269.0, 5691.0, 5280.0, 5276.0, 5607.0, 5561.0, 5324.0, 5644.0, 5335.0, 5608.0, 5363.0, 5334.0, 5550.0 (number of hits: 7)
29	5270	9	1	333	1	5719.0, 5317.0, 5275.0, 5288.0, 5493.0, 5382.0, 5443.0, 5708.0, 5409.0, 5269.0, 5437.0, 5449.0, 5330.0, 5557.0, 5377.0, 5539.0, 5565.0, 5365.0, 5263.0, 5353.0, 5406.0, 5417.0, 5545.0, 5637.0, 5592.0, 5706.0, 5436.0, 5483.0, 5395.0, 5520.0, 5716.0, 5273.0, 5668.0, 5521.0, 5697.0, 5492.0, 5527.0, 5548.0, 5403.0, 5601.0, 5357.0, 5609.0, 5311.0, 5402.0, 5319.0, 5562.0, 5414.0, 5495.0, 5681.0, 5572.0, 5376.0, 5432.0, 5625.0, 5514.0, 5468.0, 5649.0, 5274.0, 5344.0, 5658.0, 5537.0, 5448.0, 5613.0, 5293.0, 5384.0, 5599.0, 5346.0, 5702.0, 5590.0, 5661.0, 5579.0, 5475.0, 5588.0, 5626.0, 5569.0, 5391.0, 5400.0, 5577.0, 5643.0, 5396.0, 5485.0, 5450.0, 5642.0, 5277.0, 5444.0, 5476.0, 5655.0, 5556.0, 5345.0, 5326.0, 5673.0, 5336.0, 5693.0, 5378.0, 5337.0, 5279.0, 5372.0, 5383.0, 5491.0, 5685.0, 5639.0 (number of hits: 7)
30	5270	9	1	333	1	5405.0, 5252.0, 5350.0, 5565.0, 5598.0, 5626.0, 5706.0, 5474.0, 5531.0, 5403.0, 5490.0, 5318.0, 5260.0, 5478.0, 5497.0, 5345.0, 5330.0, 5585.0, 5667.0, 5640.0, 5523.0, 5257.0, 5368.0, 5564.0, 5723.0, 5467.0, 5390.0, 5440.0, 5380.0, 5272.0, 5532.0, 5720.0, 5265.0, 5337.0, 5582.0, 5568.0, 5303.0, 5256.0, 5517.0, 5578.0, 5460.0, 5542.0, 5374.0, 5415.0, 5488.0, 5541.0, 5461.0, 5554.0, 5555.0, 5482.0, 5713.0, 5396.0, 5600.0, 5508.0, 5688.0, 5668.0, 5369.0, 5286.0, 5639.0, 5292.0, 5414.0, 5479.0, 5661.0, 5295.0, 5614.0, 5481.0, 5631.0, 5664.0, 5627.0, 5430.0, 5357.0, 5694.0, 5708.0, 5495.0, 5545.0, 5535.0, 5583.0, 5607.0, 5438.0, 5526.0, 5703.0, 5255.0, 5412.0, 5570.0, 5656.0, 5449.0, 5278.0, 5429.0, 5493.0, 5361.0, 5514.0, 5338.0, 5349.0, 5305.0, 5485.0, 5566.0, 5325.0, 5367.0, 5382.0, 5637.0 (number of hits: 4)

5290 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	100 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	100 %	80%	Pass
Type 5	30	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	5290	89	1	598	1
2	5290	63	1	838	1
3	5290	62	1	858	1
4	5290	72	1	738	1
5	5290	70	1	758	1
6	5251	18	1	3066	1
7	5251	58	1	918	1
8	5251	81	1	658	1
9	5251	61	1	878	1
10	5251	99	1	538	1
11	5329	68	1	778	1
12	5329	92	1	578	1
13	5329	74	1	718	1
14	5329	86	1	618	1
15	5329	78	1	678	1
16	5290	32	1	1666	1
17	5290	25	1	2148	1
18	5290	53	1	1006	1
19	5290	19	1	2867	1
20	5290	20	1	2766	1
21	5251	35	1	1519	1
22	5251	22	1	2481	1
23	5251	25	1	2161	1
24	5251	22	1	2437	1
25	5251	19	1	2831	1
26	5329	33	1	1622	1
27	5329	23	1	2331	1
28	5329	28	1	1886	1
29	5329	22	1	2404	1
30	5329	52	1	1017	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	27	3.8	184	1
2	5290	28	4.2	190	1
3	5290	29	4.9	182	1
4	5290	25	1.1	171	1
5	5290	26	2.2	182	1
6	5290	24	2.4	181	1
7	5290	27	4.6	184	1
8	5290	25	1.5	190	1
9	5290	26	3	153	1
10	5290	23	3.7	217	1
11	5251	27	3.5	206	1
12	5251	26	1.9	186	1
13	5251	27	4.6	227	1
14	5251	28	2	183	1
15	5251	27	4	186	1
16	5251	25	3.3	183	1
17	5251	29	1.3	184	1
18	5251	29	4.2	196	1
19	5251	29	4.9	151	1
20	5251	23	4.9	152	1
21	5329	28	2	175	1
22	5329	28	5	208	1
23	5329	27	2.2	158	1
24	5329	23	2	188	1
25	5329	29	4.8	168	1
26	5329	25	1.4	157	1
27	5329	26	3.6	177	1
28	5329	26	4.8	230	1
29	5329	28	2	215	1
30	5329	26	3.8	223	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	8.4	486	1
2	5290	17	7.9	443	1
3	5290	18	8.5	499	1
4	5290	16	7	333	1
5	5290	16	6.3	329	1
6	5290	16	7.3	381	1
7	5290	16	6	208	1
8	5290	16	7	432	1
9	5290	16	6	295	1
10	5290	17	9.5	223	1
11	5251	18	8.6	341	1
12	5251	16	7.9	348	1
13	5251	18	9.3	492	1
14	5251	17	9.8	313	1
15	5251	16	6.9	342	1
16	5251	16	6	422	1
17	5251	18	7.9	348	1
18	5251	17	9.4	297	1
19	5251	18	8.9	457	1
20	5251	18	7	295	1
21	5329	18	8.4	310	1
22	5329	17	7	313	1
23	5329	16	8.5	259	1
24	5329	18	9.8	485	1
25	5329	18	9.2	447	1
26	5329	18	9.3	442	1
27	5329	18	9.1	315	1
28	5329	18	7.9	499	1
29	5329	18	8.8	416	1
30	5329	18	9.1	356	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	12	12.4	495	1
2	5290	12	17.1	416	1
3	5290	16	17.8	495	1
4	5290	16	17.2	381	1
5	5290	15	19.3	309	1
6	5290	14	12.8	217	1
7	5290	12	17.1	497	1
8	5290	15	19.8	279	1
9	5290	15	14.3	402	1
10	5290	12	13.1	304	1
11	5251	13	15.2	357	1
12	5251	14	14.3	272	1
13	5251	13	19.4	242	1
14	5251	15	17.6	325	1
15	5251	14	19.7	426	1
16	5251	15	12.4	359	1
17	5251	16	15.5	234	1
18	5251	13	18.1	446	1
19	5251	12	18	404	1
20	5251	14	15.7	442	1
21	5329	13	17.5	236	1
22	5329	15	16.8	432	1
23	5329	13	13.1	306	1
24	5329	15	15.6	352	1
25	5329	12	12.4	462	1
26	5329	14	15.7	474	1
27	5329	16	16.8	247	1
28	5329	13	19.9	364	1
29	5329	12	16.4	247	1
30	5329	16	12.1	310	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	5254.8	1
12	5257.6	1
13	5254.0	1
14	5256.0	1
15	5256.0	1
16	5257.2	1
17	5256.0	1
18	5256.4	0
19	5257.6	1
20	5256.4	1
21	5326.8	1
22	5327.6	1
23	5322.0	1
24	5327.2	1
25	5326.0	1
26	5326.4	1
27	5325.6	1
28	5325.2	1
29	5327.2	1
30	5326.0	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	74.2			0.447179	1
1	1	12	56.1			1.192278	
2	2	12	70.4	1160		2.094438	
3	2	12	60.7	1603		3.336291	
4	2	12	52.6	1217		3.695162	
5	2	12	79.2	1456		5.13714	
6	1	12	96.3			5.697768	
7	2	12	81.6	1154		6.56164	
8	1	12	84.3			7.283238	
9	2	12	99.6	1168		8.181507	
10	3	12	77.4	1262	1418	8.690038	
11	2	12	88.8	1273		9.72826	
12	2	12	72.9	1217		11.02401	
13	1	12	82.5			11.87676	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	79.5	1229		0.557519	1
1	1	8	55.9			1.810499	
2	2	8	83.1	1154		2.59181	
3	2	8	85.9	1358		4.321845	
4	1	8	57.4			5.200496	
5	1	8	95.1			6.031521	
6	3	8	81.7	1826	1275	7.078014	
7	1	8	71.3			7.693005	
8	2	8	54.7	1619		9.278752	
9	2	8	73.5	1560		10.367213	
10	1	8	50.5			11.844587	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	52.3	1009		0.144472	1
1	2	15	53	1947		1.074786	
2	2	15	79.8	1424		1.344093	
3	3	15	63	1229	1942	2.234588	
4	1	15	54.3			2.78761	
5	3	15	72.8	1431	1320	3.891116	
6	2	15	50.8	1336		4.372086	
7	2	15	52.7	1711		4.849888	
8	2	15	56.7	1190		5.59603	
9	2	15	83.3	1936		6.116968	
10	3	15	97.8	1653	1248	7.175254	
11	1	15	86.3			7.6612	
12	2	15	56.8	1866		8.4803	
13	2	15	55.4	1820		8.950474	
14	2	15	68.4	1862		9.669956	
15	3	15	84.2	1271	1804	10.110718	
16	1	15	96.3			10.892151	
17	1	15	88.9			11.811598	

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	13	71.1	1361		0.055238	
1	1	13	58			1.241969	
2	1	13	59.8			1.890735	
3	1	13	88.9			2.125382	
4	1	13	81.3			2.933805	
5	1	13	90.7			3.335846	
6	2	13	90.3	1595		4.389075	
7	3	13	89.9	1161	1836	4.789747	
8	3	13	71.6	1449	1945	5.168576	
9	2	13	56.8	1965		5.68893	1
10	2	13	60.8	1214		6.564996	
11	2	13	76	1918		7.220739	
12	3	13	75.3	1895	1631	8.131461	
13	2	13	90.7	1189		8.49292	
14	1	13	77.3			9.147137	
15	2	13	94.9	1056		9.977491	
16	2	13	57	1246		10.673197	
17	3	13	81.5	1454	1648	10.987541	
18	2	13	92.4	1961		11.959134	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	73.1			0.292196	1
1	2	12	78.2	1342		0.71097	
2	3	12	92.6	1086	1466	1.631437	
3	1	12	79.3			2.578987	
4	2	12	82.1	1832		2.896737	
5	1	12	98.5			3.563571	
6	2	12	100	1792		4.455266	
7	2	12	63.3	1420		5.180323	
8	2	12	91.9	1929		6.03307	
9	3	12	91.4	1102	1331	6.492708	
10	2	12	98.2	1799		7.079817	
11	1	12	50.2			8.361247	
12	3	12	57.7	1150	1102	8.804544	
13	2	12	58.9	1123		9.282125	
14	2	12	87.2	1700		9.98886	
15	1	12	83.1			11.01228	
16	1	12	82.5			11.76088	

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	5	84.7	1714		0.371229	1
1	2	5	82.5	1014		0.93106	
2	3	5	90.5	1920	1966	2.336911	
3	1	5	67.1			2.642844	
4	1	5	77.6			3.916658	
5	3	5	73.5	1571	1227	4.761486	
6	2	5	76.7	1874		5.840698	
7	1	5	58.2			6.164232	
8	2	5	86.3	1388		7.6525	
9	1	5	71.6			8.462898	
10	1	5	56			8.796242	
11	3	5	85.4	1239	1693	9.491521	
12	3	5	97.5	1816	1988	10.575707	
13	1	5	70			11.176272	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	96.4	1084		0.603584	
1	2	12	82.1	1610		1.143876	
2	1	12	96.2			1.632685	
3	1	12	61.4			2.442302	
4	2	12	59.3	1225		3.316607	
5	2	12	84.7	1667		3.967123	
6	2	12	95.5	1222		4.908359	
7	2	12	90.3	1221		5.250392	
8	2	12	99.6	1794		6.038694	1
9	2	12	69.8	1360		6.361532	
10	2	12	96.3	1841		7.242353	
11	2	12	63.7	1296		8.444497	
12	2	12	70.7	1954		8.47172	
13	2	12	91.6	1858		9.452079	
14	1	12	60.8			10.025919	
15	1	12	95.4			11.071202	
16	2	12	54.9	1640		11.919177	

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	14	53.8			0.941547	
1	1	14	60.5			1.244792	
2	2	14	69.6	1789		2.765561	
3	2	14	83.3	1820		3.971729	
4	2	14	75.9	1990		4.365321	
5	3	14	88.2	1598	1398	5.581682	1
6	2	14	92.5	1198		7.523253	
7	2	14	88.7	1397		8.319882	
8	2	14	93.7	1867		9.029763	
9	1	14	96			10.162272	
10	2	14	92.8	1727		11.088433	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	77.3	1715		0.126701	1
1	2	13	93.2	1941		1.066602	
2	1	13	86			1.474529	
3	2	13	84.7	1852		2.214533	
4	1	13	81.4			2.952497	
5	2	13	70.2	1715		3.508484	
6	1	13	99.3			3.903676	
7	1	13	77.9			4.320458	
8	3	13	86.6	1553	1011	5.112582	
9	3	13	80.1	1552	1149	5.743187	
10	2	13	69	1720		6.586639	
11	1	13	86			7.132072	
12	2	13	97.1	1775		7.643105	
13	1	13	94.9			7.866661	
14	1	13	69.7			8.542186	
15	2	13	83.1	1798		9.489249	
16	2	13	81.1	1204		9.647039	
17	2	13	71.6	1532		10.362619	
18	3	13	71.1	1492	1364	11.14124	
19	3	13	79.1	1341	1663	11.871881	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	76.3	1572		0.331273	1
1	1	8	74.9			2.190971	
2	2	8	73	1572		3.208518	
3	2	8	98.4	1806		5.271195	
4	1	8	74.2			6.051808	
5	1	8	53.7			7.820056	
6	2	8	98.5	1823		9.012377	
7	2	8	50.6	1841		10.215537	
8	1	8	67.6			11.094655	

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	12	72.2			0.8117	
1	3	12	51.8	1190	1267	1.579558	
2	2	12	61.7	1168		2.076226	
3	1	12	78.7			3.443837	
4	2	12	90.2	1754		4.361612	
5	3	12	58.4	1700	1026	5.494053	
6	1	12	59.8			6.223281	1
7	3	12	94.1	1523	1973	6.653127	
8	1	12	70.2			7.670062	
9	2	12	92.2	1224		8.724823	
10	2	12	78.4	1059		9.361673	
11	2	12	96.5	1115		10.808689	
12	3	12	68.8	1734	1025	11.496555	

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	19	95.9	1779	1370	0.637979	
1	3	19	83.3	1750	1181	1.777442	
2	3	19	97.7	1463	1877	2.074083	
3	3	19	74.3	1313	1779	3.471795	
4	1	19	63.7			3.735244	
5	1	19	58.7			4.730539	
6	2	19	73.9	1418		6.268763	1
7	3	19	76.8	1952	1875	7.148261	
8	2	19	98	1799		8.202523	
9	2	19	81.3	1388		8.936047	
10	2	19	88.1	1466		9.795697	
11	3	19	69.3	1483	1520	10.786168	
12	2	19	81.9	1953		11.770624	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	86.5	1402	1218	0.529814	
1	3	10	91.1	1159	1453	0.800666	
2	1	10	63.3			1.557332	
3	2	10	91.8	1952		2.248393	
4	2	10	68.1	1580		3.262129	
5	2	10	65.3	1335		4.10153	
6	2	10	59.5	1151		4.46859	
7	1	10	96.7			5.523384	
8	2	10	94.5	1073		6.178929	1
9	2	10	53	1892		6.486364	
10	2	10	99	1020		7.474021	
11	2	10	61.2	1661		8.360116	
12	3	10	82.8	1009	1316	8.649234	
13	3	10	54.7	1687	1810	9.23849	
14	2	10	55.1	1733		9.970334	
15	1	10	99.6			11.109068	
16	2	10	84.4	1604		11.846669	

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	91.4	1967		0.150498	
1	3	15	53.2	1859	1231	1.210561	
2	3	15	57.1	1097	1075	3.038444	
3	2	15	55.7	1339		4.233535	
4	2	15	69.6	1127		5.922455	
5	2	15	60.3	1223		6.955603	1
6	2	15	55.4	1668		7.307159	
7	3	15	74.4	1213	1562	9.268312	
8	2	15	67.4	1321		10.237783	
9	2	15	76.9	1976		11.397477	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	74.3			0.702805	1
1	2	15	94.9	1257		1.638507	
2	2	15	80.7	1812		2.344043	
3	2	15	89.7	1898		3.992617	
4	3	15	90.8	1793	1714	4.910465	
5	3	15	85.6	1178	1528	5.902137	
6	1	15	61.3			6.51279	
7	2	15	95	1474		7.238022	
8	2	15	57.2	1156		8.398214	
9	1	15	74			9.541827	
10	2	15	95.3	1373		10.765745	
11	1	15	67.6			11.318059	

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	62	1953	1612	0.816128	1
1	1	18	67.3			1.386727	
2	2	18	52.6	1125		2.568486	
3	2	18	92.7	1184		3.235235	
4	2	18	81.9	1874		4.598172	
5	2	18	93.9	1617		5.063406	
6	2	18	91.6	1400		6.89357	
7	2	18	92.3	1518		7.716751	
8	3	18	64.9	1139	1525	8.85076	
9	3	18	69.4	1504	1424	9.085908	
10	2	18	57.3	1178		10.09757	
11	2	18	68.6	1752		11.809715	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	83.5	1587	1859	0.239716	1
1	3	15	83.7	1629	1091	0.948705	
2	2	15	84.5	1590		1.836027	
3	2	15	93.3	1554		2.16136	
4	2	15	93	1007		3.074258	
5	2	15	76.6	1221		3.987292	
6	1	15	89.5			4.657991	
7	2	15	58.3	1214		5.24833	
8	1	15	84.3			5.734399	
9	1	15	80.5			6.66147	
10	2	15	81.1	1706		7.272324	
11	1	15	91.1			7.813942	
12	3	15	81.9	1002	1452	8.565854	
13	2	15	98	1631		8.670116	
14	3	15	71.3	1879	1973	9.776357	
15	2	15	89.2	1132		10.149128	
16	1	15	74.8			10.701355	
17	1	15	64.3			11.691941	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	96.5			0.606443	0
1	2	16	62.4	1748		1.8824	
2	2	16	60.4	1556		4.382436	
3	3	16	95.2	1002	1734	5.006669	
4	1	16	52.2			6.57088	
5	1	16	77.6			7.755898	
6	3	16	51	1583	1929	9.766053	
7	1	16	83.1			10.81794	

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	19	77.6	1146		0.586226	1
1	3	19	65.1	1083	1952	1.493783	
2	2	19	89.9	1818		2.549657	
3	1	19	74.2			4.114756	
4	2	19	71.2	1569		5.333188	
5	2	19	85.6	1406		6.543587	
6	2	19	77.8	1500		7.621912	
7	3	19	67.1	1197	1072	9.583933	
8	2	19	60.5	1033		10.455735	
9	2	19	75.1	1409		11.962994	

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	16	70.9	1037	1768	0.489862	1
1	2	16	51	1421		2.200216	
2	1	16	86.1			2.925552	
3	1	16	85.4			3.715835	
4	3	16	51.1	1967	1167	5.1882	
5	2	16	82.8	1306		6.256139	
6	2	16	51.9	1040		7.296208	
7	3	16	96.2	1783	1428	8.908628	
8	2	16	95.8	1479		10.385744	
9	3	16	85.5	1747	1677	11.234706	

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	8	84.1	1991	1633	0.285327	1
1	2	8	89.7	1763		1.885577	
2	2	8	62.2	1704		2.642579	
3	3	8	86.4	1113	1710	3.829498	
4	3	8	74	1675	1584	4.330721	
5	2	8	73.2	1935		5.735405	
6	2	8	86.8	1076		6.573026	
7	2	8	53.4	1072		7.829461	
8	3	8	55	1466	1900	8.301014	
9	2	8	51.9	1219		9.752797	
10	2	8	62.5	1386		10.526306	
11	2	8	59.9	1420		11.119592	

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	6	94.8			0.49166	1
1	3	6	71.4	1736	1187	1.920616	
2	3	6	59.9	1400	1744	3.254277	
3	3	6	71.2	1102	1771	3.293566	
4	3	6	65.5	1902	1062	4.90661	
5	1	6	86.8			5.626017	
6	3	6	92.9	1232	1539	6.811076	
7	2	6	53.4	1476		8.407294	
8	3	6	72.3	1067	1716	9.249979	
9	2	6	55.1	1179		10.495781	
10	1	6	78.3			10.92865	

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	20	85.9	1531		0.195646	1
1	2	20	90.8	1652		0.816095	
2	2	20	86.7	1768		1.614544	
3	2	20	96.3	1294		2.508219	
4	1	20	52.5			2.761461	
5	2	20	92.7	1018		3.820963	
6	1	20	82.1			4.192033	
7	2	20	87.4	1777		5.25992	
8	3	20	74.5	1418	1296	5.66297	
9	3	20	77.8	1122	1531	6.55861	
10	2	20	83.9	1603		6.728951	
11	2	20	54.6	1395		7.421253	
12	2	20	78.4	1078		8.164432	
13	2	20	60.1	1639		9.207286	
14	2	20	77.3	1728		9.508942	
15	3	20	57.8	1843	1406	10.219956	
16	2	20	56	1256		10.958045	
17	2	20	88.3	1316		11.639718	

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	7	61.1	1633	1083	0.144365	
1	2	7	79.3	1074		1.062047	
2	2	7	78.7	1956		1.952646	
3	2	7	98.2	1210		3.072933	
4	2	7	89.6	1672		3.747715	
5	2	7	97.6	1555		4.442597	
6	3	7	53.7	1008	1324	5.116822	
7	1	7	73.7			6.065088	1
8	1	7	91.8			6.907756	
9	2	7	98.9	1564		7.544836	
10	2	7	94.8	1209		8.725702	
11	2	7	77.2	1824		8.821065	
12	2	7	93	1684		9.622692	
13	3	7	62.1	1251	1314	10.777178	
14	1	7	76.9			11.422115	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	94.1	1683		0.756661	
1	2	10	68.4	1897		1.414094	
2	3	10	93.4	1004	1662	2.962678	
3	3	10	87.8	1528	1124	4.434612	
4	1	10	62.3			5.471845	1
5	1	10	84.1			6.669665	
6	2	10	75.1	1602		8.264757	
7	2	10	75	1129		9.592679	
8	3	10	79.1	1009	1558	10.788856	

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	9	98.5	1498	1304	0.091132	1
1	2	9	93.5	1527		1.21881	
2	1	9	76.1			2.621587	
3	1	9	86.7			3.80386	
4	3	9	50.8	1529	1238	4.724309	
5	3	9	88.9	1493	1915	5.817991	
6	1	9	78.1			6.145633	
7	3	9	89.4	1584	1120	7.574406	
8	3	9	61.3	1936	1609	8.227381	
9	2	9	58.7	1613		9.293835	
10	2	9	88.2	1998		10.493128	
11	1	9	86.3			11.842328	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	68.4			0.788254	1
1	2	11	57.8	1909		1.881598	
2	3	11	86.6	1557	1056	3.014561	
3	1	11	52.9			3.297648	
4	2	11	65.2	1005		5.068734	
5	2	11	79.4	1321		6.386492	
6	3	11	87.4	1970	1640	7.141556	
7	2	11	64.2	1363		8.317095	
8	1	11	94.8			9.614113	
9	1	11	89.3			10.056496	
10	1	11	91.1			10.976669	

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	12	65.7			0.880971	
1	3	12	81.5	1827	1291	2.510656	
2	1	12	98.3			3.442309	
3	3	12	99.3	1732	1612	4.754796	
4	1	12	52.6			5.746577	1
5	3	12	94	1436	1563	7.526049	
6	2	12	88.8	1701		8.845986	
7	3	12	93.6	1585	1526	10.526762	
8	1	12	84.3			10.693037	

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	7	90.7	1885		0.486595	
1	1	7	90.5			1.51105	
2	1	7	94.2			2.444914	
3	1	7	96.7			3.380232	
4	2	7	61.3	1581		4.395499	
5	1	7	51.8			5.032241	
6	3	7	90.7	1426	1074	5.706387	1
7	2	7	71.2	1671		7.316973	
8	1	7	81.4			8.075354	
9	2	7	51.7	1839		8.624345	
10	1	7	76			9.39219	
11	2	7	51.2	1062		10.435773	
12	1	7	93.9			11.332465	

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	10	58.7	1854	1881	0.233104	
1	2	10	81.2	1107		0.903026	
2	2	10	87.1	1013		1.504619	
3	2	10	91.5	1752		2.206526	
4	3	10	91.6	1953	1598	2.741041	
5	1	10	98.7			3.772856	
6	2	10	78.4	1496		4.385746	
7	2	10	67.4	1678		4.979846	
8	2	10	93.9	1134		5.495671	
9	1	10	70.8			6.172385	1
10	1	10	74.3			6.387308	
11	2	10	90.4	1208		7.29844	
12	1	10	64.4			8.171142	
13	2	10	58.4	1167		8.37584	
14	2	10	91.7	1590		9.279086	
15	3	10	73.5	1138	1666	9.724169	
16	1	10	68.5			10.185015	
17	2	10	71.3	1576		11.174385	
18	2	10	78.7	1369		11.63236	

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	5709.0, 5459.0, 5422.0, 5574.0, 5328.0, 5684.0, 5253.0, 5263.0, 5513.0, 5719.0, 5722.0, 5474.0, 5688.0, 5281.0, 5638.0, 5420.0, 5475.0, 5325.0, 5407.0, 5463.0, 5483.0, 5603.0, 5296.0, 5510.0, 5493.0, 5556.0, 5657.0, 5286.0, 5521.0, 5569.0, 5618.0, 5554.0, 5571.0, 5677.0, 5306.0, 5647.0, 5451.0, 5601.0, 5403.0, 5435.0, 5655.0, 5289.0, 5408.0, 5527.0, 5457.0, 5356.0, 5528.0, 5315.0, 5396.0, 5358.0, 5308.0, 5597.0, 5594.0, 5418.0, 5401.0, 5278.0, 5707.0, 5429.0, 5368.0, 5626.0, 5716.0, 5415.0, 5282.0, 5631.0, 5509.0, 5355.0, 5529.0, 5277.0, 5718.0, 5260.0, 5310.0, 5301.0, 5599.0, 5541.0, 5250.0, 5534.0, 5540.0, 5341.0, 5587.0, 5298.0, 5495.0, 5624.0, 5590.0, 5417.0, 5441.0, 5492.0, 5378.0, 5699.0, 5262.0, 5567.0, 5449.0, 5558.0, 5666.0, 5665.0, 5311.0, 5468.0, 5321.0, 5454.0, 5488.0, 5427.0 (number of hits: 6)
2	5290	9	1	333	1	5656.0, 5371.0, 5460.0, 5491.0, 5714.0, 5348.0, 5261.0, 5367.0, 5611.0, 5370.0, 5356.0, 5422.0, 5689.0, 5620.0, 5267.0, 5481.0, 5583.0, 5437.0, 5596.0, 5549.0, 5660.0, 5329.0, 5459.0, 5280.0, 5722.0, 5449.0, 5474.0, 5602.0, 5278.0, 5699.0, 5380.0, 5580.0, 5368.0, 5466.0, 5623.0, 5586.0, 5319.0, 5544.0, 5399.0, 5271.0, 5559.0, 5464.0, 5490.0, 5564.0, 5579.0, 5363.0, 5668.0, 5703.0, 5659.0, 5462.0, 5487.0, 5365.0, 5505.0, 5592.0, 5638.0, 5391.0, 5383.0, 5336.0, 5639.0, 5398.0, 5617.0, 5344.0, 5720.0, 5647.0, 5547.0, 5426.0, 5321.0, 5424.0, 5452.0, 5393.0, 5686.0, 5616.0, 5682.0, 5546.0, 5288.0, 5615.0, 5258.0, 5420.0, 5349.0, 5679.0, 5591.0, 5646.0, 5441.0, 5389.0, 5554.0, 5654.0, 5286.0, 5334.0, 5405.0, 5339.0, 5702.0, 5359.0, 5719.0, 5568.0, 5327.0, 5641.0, 5279.0, 5453.0, 5545.0, 5643.0 (number of hits: 3)
3	5290	9	1	333	1	5309.0, 5296.0, 5539.0, 5298.0, 5576.0, 5621.0, 5714.0, 5638.0, 5409.0, 5397.0, 5418.0, 5705.0, 5575.0, 5660.0, 5591.0, 5502.0, 5335.0, 5316.0, 5482.0, 5553.0, 5703.0, 5261.0, 5697.0, 5288.0, 5394.0, 5534.0, 5319.0, 5628.0, 5385.0, 5672.0, 5566.0, 5374.0, 5461.0, 5618.0, 5495.0, 5360.0, 5256.0, 5474.0, 5344.0, 5658.0, 5691.0, 5279.0, 5332.0, 5509.0, 5508.0, 5346.0, 5408.0, 5465.0, 5644.0, 5523.0, 5615.0, 5665.0, 5711.0, 5490.0, 5646.0,

						5565.0, 5533.0, 5696.0, 5562.0, 5466.0, 5268.0, 5369.0, 5574.0, 5489.0, 5680.0, 5363.0, 5406.0, 5433.0, 5320.0, 5559.0, 5619.0, 5267.0, 5469.0, 5304.0, 5434.0, 5350.0, 5326.0, 5266.0, 5612.0, 5364.0, 5564.0, 5431.0, 5603.0, 5475.0, 5285.0, 5462.0, 5659.0, 5270.0, 5456.0, 5699.0, 5464.0, 5282.0, 5579.0, 5429.0, 5637.0, 5359.0, 5398.0, 5422.0, 5515.0, 5383.0 (number of hits: 5)
4	5290	9	1	333	1	5272.0, 5319.0, 5256.0, 5580.0, 5320.0, 5346.0, 5411.0, 5298.0, 5554.0, 5289.0, 5310.0, 5393.0, 5402.0, 5690.0, 5296.0, 5540.0, 5563.0, 5705.0, 5574.0, 5360.0, 5542.0, 5414.0, 5483.0, 5691.0, 5416.0, 5401.0, 5512.0, 5429.0, 5295.0, 5343.0, 5382.0, 5564.0, 5322.0, 5301.0, 5300.0, 5492.0, 5410.0, 5515.0, 5688.0, 5368.0, 5452.0, 5339.0, 5510.0, 5703.0, 5673.0, 5587.0, 5356.0, 5537.0, 5458.0, 5491.0, 5257.0, 5598.0, 5306.0, 5721.0, 5666.0, 5675.0, 5683.0, 5604.0, 5350.0, 5550.0, 5720.0, 5526.0, 5336.0, 5557.0, 5455.0, 5426.0, 5478.0, 5613.0, 5376.0, 5520.0, 5543.0, 5313.0, 5261.0, 5589.0, 5486.0, 5707.0, 5317.0, 5578.0, 5454.0, 5551.0, 5391.0, 5626.0, 5332.0, 5383.0, 5274.0, 5434.0, 5698.0, 5527.0, 5565.0, 5635.0, 5561.0, 5325.0, 5384.0, 5366.0, 5686.0, 5708.0, 5678.0, 5460.0, 5394.0, 5625.0 (number of hits: 4)
5	5290	9	1	333	1	5258.0, 5487.0, 5519.0, 5353.0, 5512.0, 5685.0, 5723.0, 5649.0, 5290.0, 5708.0, 5431.0, 5339.0, 5597.0, 5505.0, 5373.0, 5616.0, 5656.0, 5348.0, 5412.0, 5690.0, 5566.0, 5583.0, 5318.0, 5461.0, 5666.0, 5366.0, 5721.0, 5689.0, 5473.0, 5490.0, 5575.0, 5545.0, 5551.0, 5357.0, 5286.0, 5350.0, 5633.0, 5705.0, 5615.0, 5467.0, 5251.0, 5605.0, 5532.0, 5686.0, 5546.0, 5370.0, 5497.0, 5320.0, 5275.0, 5391.0, 5646.0, 5325.0, 5585.0, 5335.0, 5470.0, 5453.0, 5319.0, 5292.0, 5671.0, 5667.0, 5541.0, 5427.0, 5422.0, 5337.0, 5402.0, 5302.0, 5544.0, 5322.0, 5662.0, 5265.0, 5317.0, 5367.0, 5296.0, 5349.0, 5591.0, 5466.0, 5450.0, 5700.0, 5643.0, 5593.0, 5334.0, 5714.0, 5321.0, 5379.0, 5569.0, 5668.0, 5570.0, 5562.0, 5264.0, 5393.0, 5521.0, 5611.0, 5567.0, 5527.0, 5472.0, 5340.0, 5665.0, 5513.0, 5469.0, 5280.0 (number of hits: 5)
6	5290	9	1	333	1	5567.0, 5686.0, 5702.0, 5427.0, 5659.0, 5645.0, 5304.0, 5595.0, 5629.0, 5554.0, 5404.0, 5490.0, 5445.0, 5284.0, 5329.0, 5701.0, 5647.0, 5514.0, 5507.0, 5448.0, 5545.0, 5430.0, 5420.0, 5625.0, 5401.0, 5694.0, 5321.0, 5323.0, 5413.0, 5718.0, 5506.0, 5664.0, 5454.0, 5700.0, 5585.0,

						5509.0, 5403.0, 5389.0, 5606.0, 5472.0, 5650.0, 5689.0, 5642.0, 5581.0, 5546.0, 5293.0, 5680.0, 5508.0, 5520.0, 5400.0, 5475.0, 5328.0, 5681.0, 5480.0, 5465.0, 5322.0, 5679.0, 5600.0, 5570.0, 5425.0, 5588.0, 5416.0, 5255.0, 5409.0, 5277.0, 5669.0, 5414.0, 5428.0, 5270.0, 5394.0, 5443.0, 5591.0, 5310.0, 5693.0, 5722.0, 5519.0, 5478.0, 5655.0, 5367.0, 5459.0, 5587.0, 5670.0, 5405.0, 5291.0, 5261.0, 5593.0, 5285.0, 5620.0, 5452.0, 5575.0, 5464.0, 5513.0, 5609.0, 5537.0, 5498.0, 5361.0, 5429.0, 5402.0, 5661.0, 5602.0 (number of hits: 4)
7	5290	9	1	333	1	5642.0, 5474.0, 5337.0, 5716.0, 5391.0, 5340.0, 5367.0, 5349.0, 5395.0, 5329.0, 5657.0, 5714.0, 5282.0, 5483.0, 5439.0, 5643.0, 5385.0, 5526.0, 5460.0, 5421.0, 5694.0, 5601.0, 5562.0, 5534.0, 5677.0, 5453.0, 5623.0, 5533.0, 5442.0, 5515.0, 5315.0, 5661.0, 5403.0, 5687.0, 5568.0, 5708.0, 5379.0, 5638.0, 5628.0, 5633.0, 5275.0, 5635.0, 5566.0, 5427.0, 5593.0, 5674.0, 5399.0, 5324.0, 5450.0, 5686.0, 5258.0, 5476.0, 5266.0, 5543.0, 5664.0, 5429.0, 5338.0, 5431.0, 5629.0, 5618.0, 5497.0, 5420.0, 5522.0, 5376.0, 5499.0, 5575.0, 5676.0, 5531.0, 5386.0, 5558.0, 5556.0, 5465.0, 5293.0, 5539.0, 5696.0, 5441.0, 5670.0, 5554.0, 5692.0, 5625.0, 5361.0, 5394.0, 5411.0, 5401.0, 5475.0, 5528.0, 5415.0, 5523.0, 5612.0, 5565.0, 5452.0, 5666.0, 5505.0, 5461.0, 5325.0, 5545.0, 5357.0, 5719.0, 5502.0, 5359.0 (number of hits: 2)
8	5290	9	1	333	1	5549.0, 5302.0, 5356.0, 5300.0, 5433.0, 5352.0, 5560.0, 5572.0, 5684.0, 5275.0, 5392.0, 5634.0, 5509.0, 5616.0, 5465.0, 5557.0, 5609.0, 5369.0, 5633.0, 5440.0, 5621.0, 5381.0, 5338.0, 5544.0, 5636.0, 5384.0, 5580.0, 5669.0, 5503.0, 5632.0, 5415.0, 5449.0, 5408.0, 5319.0, 5699.0, 5677.0, 5401.0, 5366.0, 5510.0, 5644.0, 5652.0, 5334.0, 5654.0, 5508.0, 5411.0, 5492.0, 5628.0, 5535.0, 5359.0, 5674.0, 5269.0, 5530.0, 5601.0, 5495.0, 5383.0, 5550.0, 5333.0, 5361.0, 5462.0, 5551.0, 5303.0, 5378.0, 5428.0, 5527.0, 5295.0, 5405.0, 5608.0, 5541.0, 5518.0, 5722.0, 5614.0, 5447.0, 5511.0, 5543.0, 5441.0, 5393.0, 5536.0, 5675.0, 5325.0, 5286.0, 5626.0, 5387.0, 5698.0, 5615.0, 5604.0, 5689.0, 5618.0, 5590.0, 5423.0, 5442.0, 5697.0, 5496.0, 5285.0, 5705.0, 5586.0, 5472.0, 5583.0, 5330.0, 5299.0, 5631.0 (number of hits: 4)
9	5290	9	1	333	1	5561.0, 5487.0, 5460.0, 5655.0, 5505.0, 5372.0, 5517.0, 5556.0, 5442.0, 5462.0, 5416.0, 5541.0, 5464.0, 5371.0, 5515.0,

						5603.0, 5525.0, 5326.0, 5687.0, 5568.0, 5690.0, 5395.0, 5305.0, 5656.0, 5285.0, 5573.0, 5697.0, 5611.0, 5310.0, 5296.0, 5254.0, 5424.0, 5713.0, 5644.0, 5325.0, 5543.0, 5286.0, 5699.0, 5684.0, 5300.0, 5390.0, 5481.0, 5365.0, 5612.0, 5519.0, 5554.0, 5593.0, 5278.0, 5256.0, 5590.0, 5415.0, 5703.0, 5635.0, 5528.0, 5646.0, 5359.0, 5379.0, 5446.0, 5535.0, 5657.0, 5558.0, 5289.0, 5678.0, 5433.0, 5600.0, 5683.0, 5627.0, 5471.0, 5691.0, 5707.0, 5622.0, 5640.0, 5482.0, 5553.0, 5316.0, 5339.0, 5335.0, 5660.0, 5455.0, 5591.0, 5685.0, 5360.0, 5478.0, 5294.0, 5269.0, 5352.0, 5632.0, 5370.0, 5396.0, 5279.0, 5319.0, 5255.0, 5712.0, 5539.0, 5625.0, 5465.0, 5388.0, 5427.0, 5355.0, 5425.0 (number of hits: 5)
10	5290	9	1	333	1	5421.0, 5420.0, 5308.0, 5612.0, 5711.0, 5521.0, 5288.0, 5483.0, 5442.0, 5470.0, 5369.0, 5556.0, 5477.0, 5469.0, 5696.0, 5601.0, 5397.0, 5447.0, 5431.0, 5259.0, 5571.0, 5425.0, 5341.0, 5702.0, 5553.0, 5275.0, 5545.0, 5489.0, 5296.0, 5356.0, 5609.0, 5394.0, 5615.0, 5509.0, 5623.0, 5254.0, 5422.0, 5526.0, 5708.0, 5567.0, 5418.0, 5335.0, 5596.0, 5265.0, 5614.0, 5678.0, 5688.0, 5406.0, 5495.0, 5487.0, 5339.0, 5314.0, 5641.0, 5452.0, 5377.0, 5300.0, 5561.0, 5625.0, 5690.0, 5542.0, 5560.0, 5660.0, 5499.0, 5490.0, 5587.0, 5436.0, 5528.0, 5682.0, 5558.0, 5326.0, 5577.0, 5627.0, 5407.0, 5448.0, 5400.0, 5433.0, 5584.0, 5639.0, 5413.0, 5658.0, 5512.0, 5669.0, 5371.0, 5498.0, 5679.0, 5321.0, 5372.0, 5467.0, 5471.0, 5668.0, 5267.0, 5608.0, 5704.0, 5309.0, 5280.0, 5353.0, 5404.0, 5381.0, 5272.0, 5340.0 (number of hits: 3)
11	5290	9	1	333	1	5254.0, 5723.0, 5349.0, 5573.0, 5331.0, 5569.0, 5682.0, 5315.0, 5411.0, 5461.0, 5398.0, 5514.0, 5697.0, 5493.0, 5661.0, 5311.0, 5629.0, 5473.0, 5383.0, 5273.0, 5299.0, 5693.0, 5426.0, 5515.0, 5709.0, 5376.0, 5584.0, 5323.0, 5555.0, 5721.0, 5504.0, 5621.0, 5534.0, 5384.0, 5553.0, 5564.0, 5654.0, 5508.0, 5253.0, 5527.0, 5664.0, 5541.0, 5563.0, 5551.0, 5557.0, 5668.0, 5533.0, 5336.0, 5669.0, 5655.0, 5286.0, 5578.0, 5720.0, 5335.0, 5347.0, 5672.0, 5588.0, 5265.0, 5711.0, 5391.0, 5565.0, 5717.0, 5399.0, 5705.0, 5256.0, 5490.0, 5431.0, 5338.0, 5562.0, 5348.0, 5694.0, 5449.0, 5660.0, 5612.0, 5316.0, 5413.0, 5552.0, 5519.0, 5593.0, 5511.0, 5264.0, 5598.0, 5614.0, 5463.0, 5260.0, 5691.0, 5270.0, 5293.0, 5611.0, 5361.0, 5373.0, 5314.0, 5354.0, 5438.0, 5430.0, 5282.0, 5412.0, 5477.0, 5308.0, 5696.0

						(number of hits: 4)
12	5290	9	1	333	1	5578.0, 5622.0, 5700.0, 5543.0, 5631.0, 5491.0, 5396.0, 5589.0, 5712.0, 5716.0, 5587.0, 5436.0, 5616.0, 5521.0, 5393.0, 5661.0, 5552.0, 5643.0, 5427.0, 5308.0, 5320.0, 5535.0, 5610.0, 5599.0, 5662.0, 5629.0, 5685.0, 5325.0, 5434.0, 5659.0, 5724.0, 5640.0, 5529.0, 5476.0, 5369.0, 5550.0, 5505.0, 5311.0, 5636.0, 5462.0, 5268.0, 5331.0, 5503.0, 5329.0, 5658.0, 5309.0, 5402.0, 5692.0, 5495.0, 5611.0, 5367.0, 5507.0, 5705.0, 5466.0, 5439.0, 5722.0, 5669.0, 5279.0, 5318.0, 5594.0, 5377.0, 5352.0, 5688.0, 5581.0, 5453.0, 5678.0, 5364.0, 5252.0, 5435.0, 5388.0, 5332.0, 5597.0, 5261.0, 5708.0, 5667.0, 5553.0, 5376.0, 5695.0, 5619.0, 5654.0, 5497.0, 5357.0, 5314.0, 5447.0, 5441.0, 5285.0, 5512.0, 5416.0, 5487.0, 5363.0, 5260.0, 5389.0, 5500.0, 5371.0, 5723.0, 5557.0, 5689.0, 5463.0, 5353.0, 5653.0 (number of hits: 1)
13	5290	9	1	333	1	5316.0, 5416.0, 5648.0, 5381.0, 5376.0, 5342.0, 5377.0, 5526.0, 5423.0, 5552.0, 5715.0, 5497.0, 5367.0, 5636.0, 5597.0, 5596.0, 5656.0, 5502.0, 5288.0, 5649.0, 5710.0, 5369.0, 5431.0, 5544.0, 5721.0, 5417.0, 5434.0, 5306.0, 5488.0, 5677.0, 5307.0, 5581.0, 5510.0, 5292.0, 5447.0, 5272.0, 5256.0, 5666.0, 5557.0, 5640.0, 5407.0, 5609.0, 5349.0, 5687.0, 5592.0, 5404.0, 5490.0, 5612.0, 5410.0, 5358.0, 5583.0, 5494.0, 5388.0, 5419.0, 5421.0, 5522.0, 5554.0, 5271.0, 5501.0, 5545.0, 5626.0, 5290.0, 5273.0, 5644.0, 5264.0, 5422.0, 5602.0, 5284.0, 5705.0, 5577.0, 5478.0, 5610.0, 5513.0, 5371.0, 5562.0, 5266.0, 5493.0, 5455.0, 5524.0, 5403.0, 5275.0, 5558.0, 5334.0, 5575.0, 5723.0, 5619.0, 5657.0, 5270.0, 5336.0, 5311.0, 5398.0, 5504.0, 5533.0, 5541.0, 5536.0, 5659.0, 5709.0, 5313.0, 5282.0, 5382.0 (number of hits: 5)
14	5290	9	1	333	1	5617.0, 5720.0, 5374.0, 5254.0, 5721.0, 5632.0, 5320.0, 5438.0, 5365.0, 5582.0, 5695.0, 5394.0, 5524.0, 5453.0, 5652.0, 5297.0, 5572.0, 5371.0, 5530.0, 5515.0, 5502.0, 5369.0, 5423.0, 5311.0, 5501.0, 5329.0, 5322.0, 5269.0, 5470.0, 5587.0, 5527.0, 5489.0, 5705.0, 5574.0, 5312.0, 5284.0, 5414.0, 5308.0, 5300.0, 5680.0, 5558.0, 5496.0, 5612.0, 5692.0, 5715.0, 5314.0, 5460.0, 5509.0, 5534.0, 5506.0, 5264.0, 5444.0, 5317.0, 5499.0, 5430.0, 5288.0, 5627.0, 5614.0, 5663.0, 5643.0, 5532.0, 5630.0, 5386.0, 5585.0, 5412.0, 5256.0, 5372.0, 5717.0, 5425.0, 5457.0, 5351.0, 5613.0, 5358.0, 5359.0, 5693.0, 5405.0, 5332.0, 5342.0, 5396.0, 5713.0,

						5384.0, 5373.0, 5528.0, 5540.0, 5602.0, 5667.0, 5298.0, 5571.0, 5446.0, 5654.0, 5543.0, 5679.0, 5380.0, 5376.0, 5310.0, 5560.0, 5566.0, 5323.0, 5638.0, 5681.0 (number of hits: 4)
15	5290	9	1	333	1	5364.0, 5668.0, 5327.0, 5552.0, 5384.0, 5474.0, 5509.0, 5682.0, 5284.0, 5473.0, 5334.0, 5286.0, 5580.0, 5457.0, 5698.0, 5717.0, 5678.0, 5703.0, 5289.0, 5535.0, 5325.0, 5407.0, 5446.0, 5538.0, 5447.0, 5477.0, 5690.0, 5295.0, 5453.0, 5422.0, 5494.0, 5705.0, 5326.0, 5510.0, 5546.0, 5614.0, 5362.0, 5342.0, 5511.0, 5537.0, 5675.0, 5375.0, 5714.0, 5568.0, 5629.0, 5699.0, 5599.0, 5481.0, 5309.0, 5570.0, 5503.0, 5315.0, 5694.0, 5588.0, 5346.0, 5304.0, 5512.0, 5395.0, 5646.0, 5508.0, 5316.0, 5514.0, 5704.0, 5288.0, 5520.0, 5598.0, 5602.0, 5545.0, 5647.0, 5686.0, 5574.0, 5562.0, 5674.0, 5654.0, 5355.0, 5478.0, 5567.0, 5268.0, 5571.0, 5441.0, 5556.0, 5632.0, 5566.0, 5285.0, 5522.0, 5498.0, 5596.0, 5358.0, 5369.0, 5713.0, 5617.0, 5677.0, 5592.0, 5536.0, 5461.0, 5406.0, 5436.0, 5502.0, 5581.0, 5378.0 (number of hits: 6)
16	5290	9	1	333	1	5591.0, 5444.0, 5576.0, 5691.0, 5683.0, 5252.0, 5376.0, 5678.0, 5603.0, 5670.0, 5539.0, 5430.0, 5626.0, 5660.0, 5680.0, 5662.0, 5599.0, 5566.0, 5584.0, 5285.0, 5530.0, 5621.0, 5473.0, 5648.0, 5589.0, 5277.0, 5461.0, 5571.0, 5612.0, 5469.0, 5280.0, 5361.0, 5445.0, 5712.0, 5491.0, 5592.0, 5588.0, 5374.0, 5367.0, 5721.0, 5354.0, 5610.0, 5685.0, 5289.0, 5399.0, 5271.0, 5311.0, 5384.0, 5477.0, 5480.0, 5675.0, 5264.0, 5451.0, 5362.0, 5506.0, 5527.0, 5671.0, 5710.0, 5398.0, 5707.0, 5490.0, 5293.0, 5654.0, 5593.0, 5353.0, 5389.0, 5409.0, 5433.0, 5383.0, 5378.0, 5337.0, 5542.0, 5455.0, 5312.0, 5604.0, 5652.0, 5708.0, 5269.0, 5272.0, 5448.0, 5699.0, 5443.0, 5560.0, 5655.0, 5596.0, 5319.0, 5665.0, 5328.0, 5352.0, 5543.0, 5363.0, 5535.0, 5619.0, 5327.0, 5538.0, 5568.0, 5574.0, 5639.0, 5359.0, 5266.0 (number of hits: 4)
17	5290	9	1	333	1	5293.0, 5654.0, 5638.0, 5333.0, 5466.0, 5507.0, 5258.0, 5291.0, 5513.0, 5289.0, 5273.0, 5602.0, 5259.0, 5560.0, 5401.0, 5355.0, 5368.0, 5604.0, 5340.0, 5533.0, 5720.0, 5324.0, 5676.0, 5647.0, 5545.0, 5621.0, 5476.0, 5642.0, 5546.0, 5556.0, 5407.0, 5566.0, 5661.0, 5361.0, 5311.0, 5595.0, 5381.0, 5671.0, 5336.0, 5307.0, 5598.0, 5687.0, 5446.0, 5499.0, 5358.0, 5557.0, 5331.0, 5530.0, 5514.0, 5364.0, 5348.0, 5425.0, 5469.0, 5489.0, 5542.0, 5422.0, 5512.0, 5692.0, 5484.0, 5328.0,

						5716.0, 5651.0, 5522.0, 5394.0, 5460.0, 5678.0, 5372.0, 5510.0, 5267.0, 5640.0, 5426.0, 5620.0, 5674.0, 5498.0, 5680.0, 5470.0, 5277.0, 5508.0, 5406.0, 5266.0, 5435.0, 5534.0, 5706.0, 5287.0, 5429.0, 5590.0, 5359.0, 5561.0, 5505.0, 5403.0, 5701.0, 5612.0, 5414.0, 5714.0, 5454.0, 5582.0, 5605.0, 5280.0, 5682.0, 5718.0 (number of hits: 5)
18	5290	9	1	333	1	5415.0, 5511.0, 5261.0, 5470.0, 5449.0, 5552.0, 5286.0, 5580.0, 5557.0, 5316.0, 5536.0, 5576.0, 5479.0, 5313.0, 5267.0, 5265.0, 5366.0, 5495.0, 5350.0, 5385.0, 5627.0, 5649.0, 5571.0, 5354.0, 5510.0, 5401.0, 5269.0, 5262.0, 5346.0, 5256.0, 5320.0, 5418.0, 5369.0, 5430.0, 5719.0, 5498.0, 5570.0, 5283.0, 5648.0, 5693.0, 5586.0, 5604.0, 5545.0, 5636.0, 5443.0, 5352.0, 5305.0, 5690.0, 5660.0, 5330.0, 5344.0, 5303.0, 5691.0, 5542.0, 5333.0, 5562.0, 5277.0, 5630.0, 5404.0, 5392.0, 5688.0, 5599.0, 5476.0, 5675.0, 5508.0, 5527.0, 5673.0, 5722.0, 5373.0, 5609.0, 5624.0, 5608.0, 5589.0, 5619.0, 5633.0, 5468.0, 5509.0, 5645.0, 5558.0, 5365.0, 5556.0, 5481.0, 5448.0, 5257.0, 5414.0, 5379.0, 5451.0, 5528.0, 5321.0, 5593.0, 5290.0, 5678.0, 5687.0, 5466.0, 5388.0, 5461.0, 5565.0, 5296.0, 5679.0, 5662.0 (number of hits: 4)
19	5290	9	1	333	1	5681.0, 5556.0, 5363.0, 5643.0, 5364.0, 5277.0, 5621.0, 5551.0, 5683.0, 5554.0, 5594.0, 5588.0, 5293.0, 5724.0, 5317.0, 5673.0, 5635.0, 5515.0, 5658.0, 5405.0, 5428.0, 5397.0, 5446.0, 5696.0, 5518.0, 5462.0, 5644.0, 5341.0, 5437.0, 5367.0, 5670.0, 5623.0, 5445.0, 5640.0, 5406.0, 5373.0, 5715.0, 5380.0, 5480.0, 5553.0, 5416.0, 5449.0, 5316.0, 5334.0, 5272.0, 5694.0, 5425.0, 5486.0, 5308.0, 5280.0, 5722.0, 5311.0, 5320.0, 5279.0, 5610.0, 5502.0, 5443.0, 5523.0, 5677.0, 5641.0, 5602.0, 5569.0, 5321.0, 5423.0, 5657.0, 5676.0, 5505.0, 5528.0, 5664.0, 5535.0, 5392.0, 5695.0, 5339.0, 5391.0, 5498.0, 5344.0, 5671.0, 5453.0, 5441.0, 5690.0, 5436.0, 5639.0, 5421.0, 5660.0, 5333.0, 5287.0, 5482.0, 5273.0, 5390.0, 5338.0, 5653.0, 5326.0, 5540.0, 5439.0, 5620.0, 5549.0, 5310.0, 5303.0, 5618.0, 5578.0 (number of hits: 3)
20	5290	9	1	333	1	5668.0, 5380.0, 5351.0, 5361.0, 5507.0, 5255.0, 5702.0, 5532.0, 5283.0, 5626.0, 5389.0, 5442.0, 5557.0, 5261.0, 5705.0, 5312.0, 5429.0, 5717.0, 5355.0, 5318.0, 5360.0, 5342.0, 5387.0, 5530.0, 5593.0, 5411.0, 5330.0, 5662.0, 5715.0, 5290.0, 5680.0, 5324.0, 5657.0, 5474.0, 5468.0, 5296.0, 5325.0, 5388.0, 5435.0, 5279.0,

						5379.0, 5484.0, 5514.0, 5604.0, 5454.0, 5573.0, 5294.0, 5617.0, 5496.0, 5548.0, 5369.0, 5438.0, 5460.0, 5353.0, 5391.0, 5329.0, 5504.0, 5421.0, 5251.0, 5695.0, 5331.0, 5541.0, 5397.0, 5564.0, 5552.0, 5287.0, 5412.0, 5505.0, 5647.0, 5543.0, 5458.0, 5540.0, 5494.0, 5542.0, 5439.0, 5509.0, 5463.0, 5639.0, 5372.0, 5701.0, 5601.0, 5431.0, 5426.0, 5485.0, 5256.0, 5472.0, 5581.0, 5693.0, 5304.0, 5269.0, 5575.0, 5614.0, 5566.0, 5630.0, 5568.0, 5456.0, 5473.0, 5258.0, 5622.0, 5359.0 (number of hits: 5)
21	5290	9	1	333	1	5561.0, 5483.0, 5536.0, 5664.0, 5425.0, 5613.0, 5604.0, 5517.0, 5442.0, 5588.0, 5578.0, 5308.0, 5444.0, 5338.0, 5528.0, 5622.0, 5474.0, 5369.0, 5489.0, 5356.0, 5395.0, 5465.0, 5413.0, 5699.0, 5279.0, 5416.0, 5586.0, 5570.0, 5634.0, 5438.0, 5259.0, 5367.0, 5544.0, 5636.0, 5486.0, 5513.0, 5551.0, 5701.0, 5393.0, 5362.0, 5301.0, 5504.0, 5703.0, 5525.0, 5477.0, 5553.0, 5707.0, 5405.0, 5633.0, 5617.0, 5479.0, 5269.0, 5368.0, 5651.0, 5591.0, 5470.0, 5654.0, 5302.0, 5333.0, 5680.0, 5587.0, 5252.0, 5396.0, 5514.0, 5430.0, 5521.0, 5272.0, 5406.0, 5275.0, 5346.0, 5462.0, 5488.0, 5652.0, 5724.0, 5581.0, 5642.0, 5691.0, 5457.0, 5384.0, 5623.0, 5556.0, 5662.0, 5584.0, 5267.0, 5415.0, 5702.0, 5437.0, 5402.0, 5632.0, 5435.0, 5644.0, 5646.0, 5251.0, 5493.0, 5666.0, 5564.0, 5672.0, 5286.0, 5261.0, 5285.0 (number of hits: 2)
22	5290	9	1	333	1	5275.0, 5305.0, 5558.0, 5527.0, 5603.0, 5489.0, 5682.0, 5596.0, 5463.0, 5572.0, 5700.0, 5383.0, 5448.0, 5721.0, 5460.0, 5519.0, 5387.0, 5446.0, 5265.0, 5556.0, 5554.0, 5686.0, 5403.0, 5274.0, 5296.0, 5459.0, 5320.0, 5253.0, 5279.0, 5364.0, 5720.0, 5410.0, 5264.0, 5701.0, 5314.0, 5612.0, 5504.0, 5634.0, 5638.0, 5697.0, 5333.0, 5311.0, 5300.0, 5277.0, 5506.0, 5470.0, 5657.0, 5524.0, 5673.0, 5619.0, 5717.0, 5323.0, 5636.0, 5258.0, 5390.0, 5397.0, 5422.0, 5577.0, 5411.0, 5465.0, 5696.0, 5297.0, 5477.0, 5623.0, 5663.0, 5586.0, 5315.0, 5589.0, 5402.0, 5630.0, 5350.0, 5624.0, 5523.0, 5683.0, 5616.0, 5302.0, 5659.0, 5716.0, 5571.0, 5349.0, 5430.0, 5710.0, 5359.0, 5528.0, 5494.0, 5482.0, 5546.0, 5306.0, 5711.0, 5293.0, 5461.0, 5467.0, 5564.0, 5604.0, 5676.0, 5633.0, 5507.0, 5271.0, 5642.0, 5685.0 (number of hits: 3)
23	5290	9	1	333	1	5360.0, 5629.0, 5509.0, 5695.0, 5447.0, 5669.0, 5386.0, 5666.0, 5559.0, 5382.0, 5680.0, 5414.0, 5537.0, 5642.0, 5456.0, 5451.0, 5598.0, 5507.0, 5445.0, 5489.0,

						5587.0, 5477.0, 5440.0, 5607.0, 5391.0, 5692.0, 5455.0, 5529.0, 5512.0, 5618.0, 5379.0, 5722.0, 5466.0, 5603.0, 5581.0, 5659.0, 5518.0, 5254.0, 5671.0, 5363.0, 5641.0, 5535.0, 5277.0, 5552.0, 5365.0, 5295.0, 5325.0, 5536.0, 5475.0, 5453.0, 5624.0, 5314.0, 5602.0, 5306.0, 5387.0, 5494.0, 5590.0, 5476.0, 5499.0, 5502.0, 5639.0, 5291.0, 5572.0, 5253.0, 5267.0, 5577.0, 5488.0, 5688.0, 5423.0, 5421.0, 5561.0, 5658.0, 5264.0, 5532.0, 5364.0, 5676.0, 5583.0, 5257.0, 5715.0, 5713.0, 5461.0, 5723.0, 5514.0, 5575.0, 5304.0, 5349.0, 5492.0, 5521.0, 5464.0, 5479.0, 5606.0, 5313.0, 5307.0, 5315.0, 5287.0, 5523.0, 5252.0, 5352.0, 5663.0, 5376.0 (number of hits: 3)
24	5290	9	1	333	1	5713.0, 5666.0, 5330.0, 5491.0, 5282.0, 5569.0, 5382.0, 5294.0, 5278.0, 5655.0, 5614.0, 5691.0, 5565.0, 5257.0, 5607.0, 5302.0, 5442.0, 5425.0, 5266.0, 5383.0, 5359.0, 5650.0, 5289.0, 5604.0, 5621.0, 5525.0, 5624.0, 5708.0, 5640.0, 5307.0, 5507.0, 5479.0, 5600.0, 5344.0, 5687.0, 5723.0, 5552.0, 5338.0, 5272.0, 5463.0, 5644.0, 5575.0, 5455.0, 5404.0, 5473.0, 5577.0, 5279.0, 5356.0, 5381.0, 5474.0, 5349.0, 5445.0, 5602.0, 5360.0, 5626.0, 5284.0, 5544.0, 5318.0, 5593.0, 5262.0, 5623.0, 5365.0, 5664.0, 5547.0, 5389.0, 5578.0, 5537.0, 5414.0, 5274.0, 5256.0, 5283.0, 5620.0, 5681.0, 5298.0, 5323.0, 5639.0, 5710.0, 5635.0, 5296.0, 5587.0, 5488.0, 5415.0, 5643.0, 5589.0, 5653.0, 5692.0, 5430.0, 5276.0, 5470.0, 5492.0, 5412.0, 5662.0, 5665.0, 5317.0, 5290.0, 5281.0, 5400.0, 5264.0, 5448.0, 5443.0 (number of hits: 9)
25	5290	9	1	333	1	5432.0, 5548.0, 5392.0, 5530.0, 5262.0, 5312.0, 5608.0, 5658.0, 5547.0, 5518.0, 5597.0, 5254.0, 5619.0, 5576.0, 5529.0, 5317.0, 5639.0, 5492.0, 5714.0, 5280.0, 5468.0, 5642.0, 5627.0, 5292.0, 5499.0, 5577.0, 5416.0, 5510.0, 5261.0, 5330.0, 5386.0, 5481.0, 5361.0, 5310.0, 5405.0, 5505.0, 5680.0, 5600.0, 5568.0, 5507.0, 5274.0, 5368.0, 5457.0, 5270.0, 5539.0, 5413.0, 5298.0, 5582.0, 5636.0, 5327.0, 5283.0, 5561.0, 5397.0, 5643.0, 5719.0, 5585.0, 5654.0, 5573.0, 5667.0, 5514.0, 5360.0, 5498.0, 5294.0, 5695.0, 5602.0, 5305.0, 5373.0, 5564.0, 5668.0, 5412.0, 5265.0, 5269.0, 5451.0, 5276.0, 5694.0, 5599.0, 5289.0, 5420.0, 5632.0, 5452.0, 5318.0, 5260.0, 5306.0, 5267.0, 5437.0, 5419.0, 5652.0, 5357.0, 5411.0, 5672.0, 5674.0, 5377.0, 5497.0, 5363.0, 5698.0, 5515.0, 5700.0, 5625.0, 5687.0, 5426.0 (number of hits: 6)

26	5290	9	1	333	1	5331.0, 5644.0, 5316.0, 5506.0, 5674.0, 5628.0, 5709.0, 5649.0, 5630.0, 5466.0, 5515.0, 5325.0, 5714.0, 5271.0, 5337.0, 5447.0, 5683.0, 5561.0, 5502.0, 5332.0, 5609.0, 5600.0, 5483.0, 5454.0, 5285.0, 5487.0, 5657.0, 5350.0, 5267.0, 5697.0, 5712.0, 5347.0, 5611.0, 5527.0, 5551.0, 5270.0, 5713.0, 5381.0, 5680.0, 5307.0, 5438.0, 5333.0, 5720.0, 5679.0, 5418.0, 5693.0, 5646.0, 5702.0, 5688.0, 5457.0, 5395.0, 5659.0, 5436.0, 5582.0, 5632.0, 5321.0, 5366.0, 5402.0, 5330.0, 5520.0, 5299.0, 5678.0, 5354.0, 5583.0, 5592.0, 5692.0, 5617.0, 5535.0, 5428.0, 5682.0, 5716.0, 5681.0, 5695.0, 5341.0, 5387.0, 5608.0, 5634.0, 5290.0, 5448.0, 5455.0, 5618.0, 5440.0, 5708.0, 5588.0, 5287.0, 5348.0, 5452.0, 5668.0, 5545.0, 5604.0, 5473.0, 5315.0, 5691.0, 5349.0, 5352.0, 5301.0, 5444.0, 5268.0, 5300.0, 5356.0 (number of hits: 4)
27	5290	9	1	333	1	5406.0, 5617.0, 5312.0, 5627.0, 5694.0, 5392.0, 5679.0, 5357.0, 5410.0, 5620.0, 5539.0, 5636.0, 5639.0, 5266.0, 5316.0, 5259.0, 5418.0, 5676.0, 5702.0, 5498.0, 5670.0, 5420.0, 5655.0, 5440.0, 5572.0, 5536.0, 5531.0, 5529.0, 5686.0, 5257.0, 5556.0, 5650.0, 5657.0, 5345.0, 5475.0, 5523.0, 5568.0, 5436.0, 5393.0, 5302.0, 5294.0, 5559.0, 5553.0, 5551.0, 5474.0, 5439.0, 5400.0, 5495.0, 5483.0, 5633.0, 5518.0, 5613.0, 5552.0, 5278.0, 5616.0, 5530.0, 5342.0, 5555.0, 5455.0, 5262.0, 5338.0, 5593.0, 5571.0, 5283.0, 5677.0, 5454.0, 5590.0, 5326.0, 5381.0, 5402.0, 5673.0, 5575.0, 5297.0, 5663.0, 5693.0, 5387.0, 5628.0, 5390.0, 5315.0, 5359.0, 5355.0, 5493.0, 5640.0, 5647.0, 5504.0, 5680.0, 5492.0, 5409.0, 5682.0, 5481.0, 5405.0, 5280.0, 5669.0, 5254.0, 5441.0, 5715.0, 5336.0, 5630.0, 5506.0, 5719.0 (number of hits: 4)
28	5290	9	1	333	1	5480.0, 5702.0, 5409.0, 5466.0, 5272.0, 5314.0, 5328.0, 5588.0, 5550.0, 5454.0, 5311.0, 5316.0, 5315.0, 5645.0, 5290.0, 5363.0, 5394.0, 5256.0, 5370.0, 5414.0, 5613.0, 5508.0, 5650.0, 5685.0, 5429.0, 5353.0, 5481.0, 5276.0, 5560.0, 5275.0, 5306.0, 5469.0, 5422.0, 5478.0, 5623.0, 5548.0, 5470.0, 5526.0, 5661.0, 5717.0, 5299.0, 5395.0, 5403.0, 5615.0, 5442.0, 5514.0, 5361.0, 5393.0, 5339.0, 5284.0, 5373.0, 5633.0, 5253.0, 5418.0, 5433.0, 5381.0, 5530.0, 5488.0, 5332.0, 5605.0, 5722.0, 5678.0, 5525.0, 5590.0, 5554.0, 5563.0, 5612.0, 5714.0, 5594.0, 5457.0, 5587.0, 5507.0, 5462.0, 5721.0, 5251.0, 5330.0, 5574.0, 5296.0, 5446.0, 5591.0, 5452.0, 5715.0, 5375.0, 5360.0, 5259.0,

						5492.0, 5582.0, 5335.0, 5378.0, 5597.0, 5641.0, 5671.0, 5581.0, 5341.0, 5703.0, 5435.0, 5413.0, 5706.0, 5293.0, 5483.0 (number of hits: 5)
29	5290	9	1	333	1	5516.0, 5480.0, 5599.0, 5326.0, 5412.0, 5594.0, 5565.0, 5631.0, 5432.0, 5698.0, 5645.0, 5315.0, 5447.0, 5633.0, 5559.0, 5429.0, 5376.0, 5301.0, 5457.0, 5513.0, 5467.0, 5425.0, 5673.0, 5711.0, 5423.0, 5541.0, 5634.0, 5385.0, 5601.0, 5463.0, 5533.0, 5521.0, 5406.0, 5274.0, 5464.0, 5416.0, 5436.0, 5449.0, 5494.0, 5507.0, 5402.0, 5322.0, 5658.0, 5351.0, 5552.0, 5692.0, 5654.0, 5479.0, 5581.0, 5456.0, 5716.0, 5387.0, 5477.0, 5584.0, 5354.0, 5427.0, 5503.0, 5261.0, 5431.0, 5313.0, 5323.0, 5625.0, 5378.0, 5367.0, 5628.0, 5691.0, 5455.0, 5252.0, 5250.0, 5687.0, 5366.0, 5448.0, 5377.0, 5671.0, 5384.0, 5359.0, 5545.0, 5600.0, 5536.0, 5357.0, 5321.0, 5529.0, 5713.0, 5720.0, 5603.0, 5465.0, 5554.0, 5419.0, 5383.0, 5618.0, 5382.0, 5638.0, 5272.0, 5344.0, 5707.0, 5495.0, 5646.0, 5330.0, 5309.0, 5286.0 (number of hits: 1)
30	5290	9	1	333	1	5662.0, 5629.0, 5340.0, 5435.0, 5399.0, 5441.0, 5721.0, 5412.0, 5447.0, 5429.0, 5546.0, 5560.0, 5314.0, 5265.0, 5294.0, 5604.0, 5521.0, 5680.0, 5516.0, 5480.0, 5601.0, 5289.0, 5416.0, 5628.0, 5676.0, 5679.0, 5600.0, 5485.0, 5674.0, 5456.0, 5427.0, 5368.0, 5710.0, 5534.0, 5281.0, 5536.0, 5649.0, 5380.0, 5697.0, 5486.0, 5302.0, 5362.0, 5593.0, 5327.0, 5616.0, 5670.0, 5451.0, 5712.0, 5562.0, 5305.0, 5385.0, 5437.0, 5573.0, 5352.0, 5563.0, 5254.0, 5590.0, 5376.0, 5639.0, 5509.0, 5544.0, 5520.0, 5500.0, 5508.0, 5476.0, 5279.0, 5454.0, 5622.0, 5615.0, 5558.0, 5448.0, 5479.0, 5587.0, 5613.0, 5349.0, 5538.0, 5388.0, 5635.0, 5250.0, 5295.0, 5260.0, 5397.0, 5605.0, 5660.0, 5323.0, 5638.0, 5700.0, 5316.0, 5591.0, 5641.0, 5251.0, 5496.0, 5357.0, 5665.0, 5274.0, 5389.0, 5720.0, 5420.0, 5409.0, 5464.0 (number of hits: 4)

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	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	99.17 %	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	81	1	658	1
2	5500	92	1	578	1
3	5500	89	1	598	1
4	5500	63	1	838	1
5	5500	57	1	938	1
6	5490	65	1	818	1
7	5490	72	1	738	1
8	5490	83	1	638	1
9	5490	95	1	558	1
10	5490	59	1	898	1
11	5510	61	1	878	1
12	5510	74	1	718	1
13	5510	99	1	538	1
14	5510	76	1	698	1
15	5510	67	1	798	1
16	5500	44	1	1207	1
17	5500	29	1	1832	1
18	5500	20	1	2709	1
19	5500	29	1	1846	1
20	5500	77	1	686	1
21	5490	19	1	2874	1
22	5490	19	1	2929	1
23	5490	19	1	2876	1
24	5490	18	1	2952	1
25	5490	30	1	1765	1
26	5510	101	1	526	1
27	5510	18	1	3048	1
28	5510	19	1	2931	1
29	5510	26	1	2065	1
30	5510	20	1	2678	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	26	3	228	1
2	5500	25	4.6	220	1
3	5500	28	4.5	176	1
4	5500	28	3.7	225	1
5	5500	24	3.8	221	1
6	5500	27	1	163	1
7	5500	24	4.8	186	1
8	5500	27	4	217	1
9	5500	29	4	174	1
10	5500	26	3.6	205	1
11	5490	26	3.2	166	1
12	5490	28	3.4	172	1
13	5490	23	3.3	220	1
14	5490	23	4.9	159	1
15	5490	26	3.1	151	1
16	5490	28	1.8	230	1
17	5490	24	4.4	210	1
18	5490	25	3	153	1
19	5490	29	1.6	172	1
20	5490	29	1	156	1
21	5510	26	1.1	151	1
22	5510	25	4.8	164	1
23	5510	27	2.6	193	1
24	5510	24	2.6	189	1
25	5510	29	2.8	227	1
26	5510	29	2.4	226	1
27	5510	26	4.3	213	1
28	5510	28	1.7	226	1
29	5510	27	2.2	156	1
30	5510	23	1.2	212	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	17	9.7	232	1
2	5500	16	8.9	373	1
3	5500	18	8.5	432	1
4	5500	17	7.8	497	1
5	5500	18	7.8	453	1
6	5500	16	7	497	1
7	5500	18	7.6	290	1
8	5500	17	7.5	242	1
9	5500	16	9.4	378	1
10	5500	16	7.1	458	1
11	5490	17	9.8	294	1
12	5490	18	8.8	248	1
13	5490	17	7.5	482	1
14	5490	17	6.7	422	1
15	5490	16	9.9	410	1
16	5490	18	8	203	1
17	5490	18	9.9	369	1
18	5490	17	9.9	215	1
19	5490	16	7.6	275	1
20	5490	16	7.6	255	1
21	5510	18	8.1	493	1
22	5510	18	8.6	308	1
23	5510	17	8	474	1
24	5510	17	9	208	1
25	5510	16	8.5	218	1
26	5510	18	7.9	436	1
27	5510	18	7.1	206	1
28	5510	16	9.2	280	1
29	5510	16	9.6	400	1
30	5510	18	9.7	469	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	16	18.8	306	1
2	5500	14	11.2	208	1
3	5500	13	16	401	1
4	5500	12	17	339	1
5	5500	16	15.6	472	1
6	5500	16	18.8	303	1
7	5500	14	11.9	391	1
8	5500	15	19.7	332	1
9	5500	14	12.3	445	1
10	5500	15	13.8	408	1
11	5490	16	12.3	221	1
12	5490	13	13.1	373	1
13	5490	13	15.4	447	1
14	5490	13	16.7	205	1
15	5490	12	13.9	331	1
16	5490	14	13.1	466	1
17	5490	15	19	245	1
18	5490	15	16.1	271	1
19	5490	15	19.3	440	1
20	5490	12	17.7	476	1
21	5510	13	18.9	324	0
22	5510	16	11.7	318	1
23	5510	15	15.9	412	1
24	5510	16	16.7	428	1
25	5510	12	16.1	256	1
26	5510	13	15.7	232	1
27	5510	15	18.1	432	1
28	5510	14	18.2	350	1
29	5510	14	15.1	379	1
30	5510	12	16.5	374	1
Detection Percentage: 96.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500	1
2	5500	1
3	5500	1
4	5500	1
5	5500	1
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5492.8	1
12	5497.2	1
13	5495.2	1
14	5497.2	1
15	5497.6	1
16	5494.4	1
17	5496.4	1
18	5495.6	1
19	5493.2	1
20	5496.4	1
21	5506.8	1
22	5506.0	1
23	5504.8	1
24	5502.8	1
25	5507.6	1
26	5502.4	1
27	5503.6	1
28	5505.2	1
29	5502.4	1
30	5502.4	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	90.7	1916	1403	0.15092	
1	3	13	96	1210	1830	0.758462	
2	3	13	69.2	1098	1650	1.633516	
3	2	13	72	1509		2.153435	
4	1	13	96.7			2.899334	
5	2	13	60.4	1297		3.589425	
6	2	13	76.2	1678		4.503119	
7	1	13	51.2			5.357222	
8	1	13	50.6			6.059647	1
9	2	13	72.4	1987		6.964303	
10	3	13	86.3	1176	1648	7.277359	
11	2	13	65.5	1227		8.348522	
12	3	13	70.6	1842	1940	8.718308	
13	1	13	78.3			9.59481	
14	2	13	68.5	1977		10.380907	
15	2	13	62.8	1358		11.222995	
16	2	13	66.7	1571		11.876607	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	97.9	1621		0.170831	
1	3	8	74.3	1363	1242	1.4909	
2	1	8	75			1.769962	
3	2	8	62.4	1201		2.840019	
4	3	8	69	1041	1091	3.660645	
5	2	8	95.5	1203		4.932343	
6	1	8	96.1			5.152848	
7	2	8	95.6	1369		6.517483	1
8	3	8	75.6	1178	1453	7.326395	
9	2	8	95.9	1368		8.509089	
10	1	8	95.1			9.077539	
11	2	8	59.2	1106		9.695453	
12	2	8	51.4	1508		10.701101	
13	3	8	76.6	1592	1418	11.47223	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	95.1	1611	1749	0.102837	1
1	1	11	97.3			1.058374	
2	1	11	85.4			2.053805	
3	2	11	56.4	1534		2.533601	
4	3	11	65.5	1558	1174	3.413114	
5	2	11	66.3	1455		4.085839	
6	2	11	54.9	1886		4.908023	
7	2	11	75.1	1564		4.969978	
8	2	11	60.6	1215		6.210108	
9	3	11	94.9	1235	1989	6.74067	
10	2	11	68.4	1357		7.344324	
11	2	11	96.8	1738		8.341724	
12	2	11	76.9	1451		8.840851	
13	2	11	74.8	1485		9.632348	
14	1	11	61.3			10.45376	
15	2	11	54.8	1790		10.903826	
16	3	11	57.5	1934	1029	11.359513	

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	13	85.5	1670		0.835664	1
1	1	13	85.8			2.124165	
2	1	13	76.6			2.66884	
3	2	13	51	1643		4.071748	
4	3	13	88	1129	1485	4.427264	
5	2	13	89.7	1361		6.251781	
6	1	13	93.7			7.066812	
7	2	13	56.9	1903		7.723974	
8	1	13	74.6			8.98968	
9	2	13	71.2	1028		10.813793	
10	2	13	84.8	1849		11.741877	

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	15	52.8	1148		0.461736	
1	3	15	61.4	1915	1379	0.986052	
2	1	15	92.9			1.558339	
3	2	15	83.2	1814		2.164362	
4	1	15	99			2.911056	
5	2	15	89.2	1646		3.520175	
6	2	15	95.2	1517		3.7604	
7	2	15	63.9	1189		4.262421	
8	2	15	90.7	1629		5.14631	
9	2	15	79.8	1403		5.429786	
10	2	15	82.5	1361		6.233568	1
11	2	15	63.6	1682		6.728302	
12	1	15	62.9			7.265946	
13	3	15	68.9	1022	1191	7.980625	
14	2	15	97.8	1965		8.738888	
15	2	15	62.9	1363		9.114554	
16	1	15	61.8			9.992202	
17	2	15	67.1	1936		10.655689	
18	2	15	93.6	1688		11.113891	
19	1	15	59.2			11.503761	

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	16	84.9	1340	1585	0.333299	
1	3	16	65	1428	1856	1.029139	
2	2	16	71.2	1400		2.032558	
3	3	16	93.6	1372	1424	2.453721	
4	3	16	99	1497	1272	3.843341	
5	3	16	88.1	1268	1576	4.683064	
6	2	16	84.7	1029		5.013091	
7	3	16	80.8	1908	1303	5.667045	1
8	1	16	87.7			6.73338	
9	1	16	65.1			7.705687	
10	2	16	65.4	1631		8.206494	
11	2	16	81	1139		8.844705	
12	3	16	72.8	1820	1712	10.16295	
13	1	16	87.3			10.907643	
14	2	16	83.8	1990		11.405061	

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	6	67	1794	1138	0.18014	
1	2	6	81.9	1898		1.414664	
2	1	6	71.8			1.926376	
3	2	6	57.8	1772		2.660315	
4	1	6	76.2			3.577469	
5	2	6	80.1	1924		4.455258	
6	3	6	70.4	1548	1049	5.010745	
7	3	6	89.8	1595	1725	6.203444	1
8	3	6	86.7	1010	1396	6.78197	
9	3	6	79.8	1552	1813	7.241438	
10	1	6	66.6			8.380651	
11	3	6	89.4	1450	1569	9.506995	
12	1	6	78.7			9.783548	
13	2	6	95.7	1315		10.822496	
14	2	6	86.7	1026		11.78354	

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	99.7	1270		0.502442	1
1	1	10	81.5			1.265636	
2	2	10	55.6	1232		1.704685	
3	2	10	52.5	1212		2.361184	
4	3	10	61.2	1750	1602	3.175012	
5	1	10	51.6			4.365709	
6	1	10	74.8			5.003669	
7	2	10	51.9	1056		5.790636	
8	1	10	72.1			6.707627	
9	3	10	68.7	1468	1187	7.439013	
10	2	10	61.6	1142		8.08058	
11	2	10	93.8	1264		8.459239	
12	1	10	86			9.343378	
13	2	10	96.5	1913		10.021291	
14	2	10	93.1	1831		10.888735	
15	2	10	76.2	1400		11.472527	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	64.5	1343		0.475626	1
1	2	12	97.6	1445		0.833004	
2	2	12	52.6	1748		1.628406	
3	2	12	84.4	1029		2.446214	
4	3	12	58.8	1628	1987	3.253813	
5	3	12	91.1	1491	1181	3.890401	
6	1	12	51.6			5.20863	
7	2	12	94.5	1040		5.937818	
8	2	12	56	1567		6.128211	
9	2	12	85.8	1351		7.373804	
10	3	12	78.4	1617	1535	7.641234	
11	2	12	82.9	1265		8.316366	
12	3	12	50.8	1733	1433	9.446547	
13	1	12	69.3			9.80326	
14	2	12	71.8	1575		10.847058	
15	1	12	75.4			11.662156	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	97.5			0.403653	
1	2	5	82.7	1525		1.24694	
2	3	5	72.4	1865	1042	1.872472	
3	1	5	51.9			2.14223	
4	1	5	79.5			2.74478	
5	3	5	96.7	1507	1188	3.611402	
6	2	5	51.1	1806		4.301908	
7	2	5	67.9	1744		4.959534	
8	2	5	77.7	1846		5.231731	
9	2	5	54.5	1027		6.23697	1
10	2	5	72.5	1274		6.412868	
11	2	5	92.1	1077		7.509162	
12	3	5	79.9	1200	1176	7.593602	
13	1	5	52.9			8.213106	
14	1	5	74.9			9.337667	
15	1	5	64.5			9.587848	
16	3	5	57.2	1260	1293	10.618036	
17	2	5	82.9	1513		11.111972	
18	2	5	73.1	1995		11.686623	

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	7	78.7	1167		0.49966	
1	1	7	54.2			0.683747	
2	3	7	72.7	1842	1962	1.980172	
3	2	7	98.2	1341		2.289658	
4	2	7	58	1395		2.704338	
5	2	7	50.8	1898		3.768729	
6	2	7	94.6	1224		4.600979	
7	2	7	58.8	1126		4.961166	
8	1	7	52.1			5.707975	1
9	1	7	89.3			6.04118	
10	2	7	82.1	1571		7.100778	
11	2	7	85.7	1326		7.356638	
12	3	7	62.7	1511	1182	8.594342	
13	3	7	87.8	1021	1249	9.121888	
14	1	7	70.4			9.673787	
15	1	7	99.2			10.371839	
16	2	7	50.4	1355		11.129124	
17	2	7	66.6	1732		11.504663	

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	18	63.9			0.924713	
1	3	18	99.5	1033	1032	2.629173	
2	1	18	79.7			2.697681	
3	2	18	73.3	1808		4.099451	
4	2	18	77.9	1838		5.547535	1
5	3	18	52.3	1638	1870	7.429842	
6	2	18	82.7	1047		9.109014	
7	2	18	79.5	1079		9.82288	
8	2	18	100	1947		11.045212	

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	91.2	1713		0.042441	
1	3	13	57.6	1377	1310	0.827251	
2	2	13	83.1	1959		1.598742	
3	3	13	77.7	1666	1014	2.498103	
4	1	13	56			2.544054	
5	1	13	73.3			3.406327	
6	2	13	65.9	1262		3.831	
7	1	13	57.2			4.839578	
8	2	13	89.9	1272		5.581502	
9	1	13	84.4			6.157149	1
10	2	13	62.2	1468		6.619527	
11	1	13	91.2			7.229032	
12	2	13	68.1	1313		7.855624	
13	2	13	59.4	1401		8.44369	
14	3	13	95.5	1012	1232	9.401874	
15	1	13	90.7			9.481909	
16	2	13	80.1	1259		10.697275	
17	3	13	82.3	1867	1249	10.968015	
18	2	13	57.4	1308		11.62899	

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	53.9			0.249322	
1	3	18	94.2	1451	1826	1.768333	
2	1	18	66.2			2.545438	
3	1	18	84			2.995569	
4	3	18	70	1834	1495	4.305551	
5	2	18	96.6	1676		5.063923	
6	3	18	94.2	1021	1685	5.556713	1
7	3	18	55.7	1106	1022	6.895491	
8	3	18	99.4	1757	1288	8.129767	
9	1	18	55.5			9.084344	
10	1	18	80.9			9.595599	
11	2	18	90.8	1140		10.943664	
12	3	18	75.8	1342	1326	11.839608	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	62.6	1359		0.517394	1
1	2	19	50.9	1784		1.620829	
2	2	19	84.6	1932		2.771963	
3	2	19	73.3	1621		4.166441	
4	3	19	91.1	1487	1877	5.764567	
5	2	19	61.5	1880		6.890544	
6	2	19	77.1	1330		7.518551	
7	2	19	73.1	1846		9.532839	
8	2	19	86.8	1055		9.946047	
9	3	19	96.6	1671	1374	11.054861	

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	11	73.8	1084		0.354361	1
1	1	11	50.5			0.859498	
2	3	11	65.6	1252	1519	1.862924	
3	2	11	74.4	1742		3.034437	
4	2	11	73.6	1698		3.50651	
5	2	11	96.4	1346		4.549278	
6	2	11	67.8	1102		5.579291	
7	1	11	60			6.014348	
8	2	11	80.2	1951		6.980623	
9	2	11	61.8	1686		7.226902	
10	2	11	69.8	1362		8.198895	
11	2	11	65.6	1204		9.158396	
12	3	11	100	1614	1092	10.173764	
13	2	11	88.7	1293		11.103227	
14	2	11	59	1408		11.500413	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	68.9	1184		1.242011	
1	2	16	50.3	1294		2.086347	
2	3	16	68.2	1411	1953	2.885326	
3	3	16	94.6	1297	1400	4.07297	
4	2	16	72.9	1972		5.998898	0
5	1	16	96.5			6.693293	
6	2	16	64.3	1485		8.449769	
7	1	16	76.5			10.651654	
8	2	16	79.4	1561		11.520848	

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	14	62.3			0.475079	
1	2	14	63	1861		0.682847	
2	2	14	73.3	1434		1.398241	
3	2	14	90.3	1222		2.14103	
4	2	14	92.9	1056		3.058479	
5	2	14	98.9	1057		3.507633	
6	3	14	52.3	1418	1706	4.162964	
7	1	14	95.4			5.045781	
8	3	14	83.7	1830	1532	5.617578	
9	1	14	88.8			6.02221	1
10	2	14	58.7	1113		6.432169	
11	2	14	66.5	1803		7.33616	
12	2	14	68	1002		7.835736	
13	2	14	76.8	1074		8.62822	
14	2	14	50.8	1413		9.161733	
15	3	14	82.4	1281	1541	10.05956	
16	2	14	83.5	1242		10.473851	
17	2	14	57.9	1229		11.312001	
18	3	14	69.6	1358	1312	11.501499	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	59.5	1677		0.689326	1
1	3	8	96.2	1915	1003	0.86359	
2	3	8	65.3	1795	1403	2.089604	
3	1	8	90.1			2.737301	
4	3	8	86.9	1732	1734	3.475231	
5	1	8	63.4			4.835466	
6	1	8	59.7			5.897077	
7	1	8	97			6.081196	
8	3	8	83.2	1078	1550	7.209841	
9	1	8	65.8			7.97083	
10	3	8	56.3	1805	1943	8.731749	
11	2	8	87.5	1201		10.025124	
12	2	8	59.1	1845		10.776557	
13	3	8	71.8	1060	1474	11.899568	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	97.9	1866		0.369652	1
1	2	16	78.4	1394		1.540331	
2	2	16	95.4	1010		1.62111	
3	1	16	66.2			2.485605	
4	2	16	61.3	1821		3.33058	
5	1	16	65.2			4.200493	
6	1	16	68.6			5.024928	
7	3	16	71.2	1043	1118	5.643445	
8	3	16	55	1878	1750	7.054552	
9	1	16	82.9			7.900665	
10	3	16	53.6	1762	1804	8.558044	
11	2	16	90.4	1590		9.083832	
12	1	16	58.4			9.952536	
13	2	16	72.8	1768		10.999913	
14	1	16	71.9			11.987433	

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	8	99	1362	1296	0.398602	1
1	3	8	78.3	1428	1142	1.828701	
2	1	8	79.9			3.371672	
3	2	8	82.6	1783		3.76546	
4	2	8	83.2	1196		5.812852	
5	2	8	71.7	1652		6.467304	
6	2	8	75	1820		7.418416	
7	2	8	99.1	1367		9.14551	
8	2	8	74.7	1336		10.686337	
9	1	8	98.1			11.226857	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	85.2	1336	1369	0.827717	1
1	3	10	50.8	1255	1620	1.551268	
2	2	10	68.5	1757		3.524137	
3	2	10	59.5	1304		4.113017	
4	2	10	59.3	1100		5.309047	
5	2	10	84.1	1579		6.021207	
6	3	10	80.7	1179	1106	7.815429	
7	3	10	58.8	1538	1257	8.634423	
8	1	10	58.9			10.75186	
9	3	10	84.8	1650	1086	11.193052	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	83.9	1423		0.648175	1
1	2	13	51.2	1379		2.035701	
2	1	13	72.9			3.075781	
3	2	13	61.1	1024		3.622396	
4	1	13	71.3			5.72247	
5	3	13	59.2	1385	1959	6.902616	
6	1	13	55.9			7.243626	
7	2	13	75.5	1538		9.560321	
8	2	13	55.8	1681		10.193635	
9	3	13	83.4	1498	1059	11.851462	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	74.4	1009		0.68991	1
1	2	18	76.3	1510		0.762064	
2	2	18	77.2	1340		2.17709	
3	1	18	61.1			2.440284	
4	3	18	81.6	1372	1518	3.698253	
5	1	18	57.3			3.94163	
6	1	18	72.9			4.757705	
7	1	18	91.5			5.689455	
8	2	18	94.5	1758		6.644985	
9	2	18	83.5	1671		7.133983	
10	1	18	81.1			8.192312	
11	2	18	60.4	1924		8.383826	
12	3	18	52.7	1868	1105	9.599373	
13	2	18	59.3	1557		10.186396	
14	1	18	69.5			10.752202	
15	2	18	70	1678		11.40298	

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	6	66	1655	1940	0.595918	1
1	3	6	50.8	1720	1687	1.713657	
2	1	6	57.7			2.151141	
3	3	6	72.9	1410	1944	3.184	
4	2	6	60.9	1428		4.462604	
5	3	6	97	1110	1373	5.591672	
6	3	6	62.3	1793	1786	6.712715	
7	2	6	54.7	1450		7.539059	
8	2	6	54	1490		8.292445	
9	2	6	59.1	1226		9.160253	
10	1	6	50.3			10.414464	
11	1	6	94.7			11.939664	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	64.3	1855		0.513	1
1	3	19	86.8	1760	1814	0.621456	
2	2	19	96.7	1754		1.395731	
3	2	19	61.1	1777		1.843971	
4	2	19	53.2	1376		2.798105	
5	1	19	61.6			3.419789	
6	3	19	61.6	1950	1392	3.965163	
7	2	19	59.4	1860		4.362163	
8	2	19	68.1	1653		5.208459	
9	2	19	64.1	1474		5.814333	
10	2	19	66.9	1315		6.311063	
11	3	19	51	1080	1613	7.045968	
12	1	19	84.6			7.520356	
13	2	19	86.7	1458		7.846521	
14	3	19	64.2	1132	1548	8.653992	
15	2	19	83.8	1970		9.160764	
16	3	19	78.4	1244	1792	9.785979	
17	2	19	61.8	1208		10.700256	
18	2	19	89.6	1444		11.333052	
19	3	19	77.7	1904	1511	11.564695	

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	16	99.5	1907		0.353399	
1	1	16	78			0.981747	
2	3	16	57	1943	1936	1.883911	
3	1	16	85.5			2.210693	
4	2	16	79.2	1365		3.195113	
5	2	16	92.4	1893		3.774132	
6	2	16	87.5	1342		4.411007	
7	3	16	93.3	1739	1597	5.217205	
8	1	16	63.1			5.984675	1
9	1	16	96.2			6.868212	
10	2	16	64.3	1103		7.386562	
11	2	16	63.1	1592		8.026166	
12	1	16	54.2			8.596876	
13	2	16	96.1	1926		9.545751	
14	1	16	57.2			10.215171	
15	1	16	92.2			10.633183	
16	2	16	56.3	1052		11.351309	

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	12	93.8	1651		0.98511	
1	2	12	56.2	1156		2.263446	
2	1	12	83.6			2.522104	
3	2	12	64.9	1349		4.694267	
4	2	12	56.7	1766		5.679567	
5	1	12	84.1			6.485601	1
6	2	12	76.6	1328		8.323279	
7	2	12	85.3	1797		8.858544	
8	2	12	56.4	1147		10.231452	
9	2	12	68	1049		11.01219	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	70.2			0.586465	
1	3	19	96.6	1629	1889	2.135211	
2	1	19	95			3.215421	
3	1	19	85.7			4.344158	
4	2	19	74.3	1758		4.857607	
5	1	19	66			6.168623	1
6	1	19	50.8			7.30831	
7	1	19	95.1			8.437499	
8	2	19	55.3	1484		9.350356	
9	1	19	90.9			10.648598	
10	3	19	58	1154	1083	11.881953	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	97.9	1122	1024	0.529294	
1	3	19	62.3	1010	1031	1.545257	
2	2	19	54.9	1039		2.055543	
3	3	19	54.4	1539	1006	2.797105	
4	2	19	52.6	1613		3.929091	
5	2	19	74.9	1241		4.991666	
6	2	19	71.9	1707		5.150072	
7	3	19	84.4	1820	1545	6.252968	1
8	3	19	93.8	1829	1480	6.950884	
9	3	19	60.3	1909	1067	8.018804	
10	1	19	81.5			8.950871	
11	2	19	86.9	1654		10.048274	
12	3	19	59.3	1882	1961	10.528336	
13	2	19	76.8	1899		11.338694	

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	5316.0, 5619.0, 5382.0, 5685.0, 5469.0, 5507.0, 5411.0, 5556.0, 5310.0, 5630.0, 5596.0, 5486.0, 5695.0, 5563.0, 5511.0, 5385.0, 5373.0, 5540.0, 5586.0, 5272.0, 5552.0, 5412.0, 5432.0, 5500.0, 5419.0, 5290.0, 5297.0, 5282.0, 5691.0, 5521.0, 5655.0, 5659.0, 5428.0, 5402.0, 5522.0, 5561.0, 5713.0, 5291.0, 5426.0, 5333.0, 5259.0, 5705.0, 5697.0, 5529.0, 5421.0, 5306.0, 5679.0, 5420.0, 5665.0, 5574.0, 5384.0, 5694.0, 5627.0, 5702.0, 5359.0, 5646.0, 5295.0, 5631.0, 5644.0, 5264.0, 5318.0, 5342.0, 5523.0, 5617.0, 5717.0, 5425.0, 5434.0, 5441.0, 5499.0, 5483.0, 5472.0, 5299.0, 5362.0, 5348.0, 5639.0, 5329.0, 5564.0, 5313.0, 5588.0, 5650.0, 5509.0, 5335.0, 5718.0, 5569.0, 5637.0, 5475.0, 5323.0, 5632.0, 5357.0, 5293.0, 5328.0, 5257.0, 5528.0, 5307.0, 5524.0, 5634.0, 5458.0, 5579.0, 5275.0, 5470.0 (number of hits: 4)
2	5500	9	1	333	1	5661.0, 5616.0, 5628.0, 5508.0, 5608.0, 5528.0, 5677.0, 5514.0, 5265.0, 5315.0, 5331.0, 5441.0, 5715.0, 5469.0, 5594.0, 5383.0, 5687.0, 5433.0, 5341.0, 5255.0, 5544.0, 5569.0, 5260.0, 5575.0, 5676.0, 5638.0, 5457.0, 5595.0, 5418.0, 5513.0, 5651.0, 5468.0, 5461.0, 5261.0, 5426.0, 5720.0, 5696.0, 5556.0, 5495.0, 5325.0, 5653.0, 5599.0, 5478.0, 5373.0, 5583.0, 5329.0, 5423.0, 5643.0, 5314.0, 5354.0, 5277.0, 5541.0, 5399.0, 5321.0, 5610.0, 5379.0, 5589.0, 5552.0, 5285.0, 5310.0, 5442.0, 5453.0, 5512.0, 5642.0, 5452.0, 5625.0, 5483.0, 5450.0, 5718.0, 5311.0, 5268.0, 5275.0, 5536.0, 5345.0, 5323.0, 5662.0, 5506.0, 5539.0, 5324.0, 5551.0, 5434.0, 5580.0, 5526.0, 5427.0, 5369.0, 5250.0, 5603.0, 5639.0, 5380.0, 5716.0, 5501.0, 5420.0, 5312.0, 5415.0, 5481.0, 5356.0, 5276.0, 5640.0, 5274.0, 5451.0 (number of hits: 4)
3	5500	9	1	333	1	5493.0, 5302.0, 5693.0, 5519.0, 5351.0, 5632.0, 5670.0, 5294.0, 5675.0, 5380.0, 5369.0, 5433.0, 5662.0, 5534.0, 5545.0, 5323.0, 5319.0, 5295.0, 5298.0, 5277.0, 5287.0, 5538.0, 5374.0, 5293.0, 5583.0, 5721.0, 5340.0, 5447.0, 5647.0, 5683.0, 5457.0, 5436.0, 5627.0, 5308.0, 5712.0, 5559.0, 5363.0, 5643.0, 5489.0, 5690.0, 5591.0, 5639.0, 5297.0, 5523.0, 5402.0, 5684.0, 5494.0, 5256.0, 5713.0, 5704.0, 5341.0, 5521.0, 5611.0, 5596.0, 5598.0,

						5257.0, 5551.0, 5421.0, 5661.0, 5400.0, 5492.0, 5649.0, 5399.0, 5679.0, 5429.0, 5317.0, 5290.0, 5530.0, 5417.0, 5420.0, 5638.0, 5509.0, 5253.0, 5353.0, 5602.0, 5586.0, 5364.0, 5481.0, 5471.0, 5515.0, 5608.0, 5269.0, 5438.0, 5517.0, 5678.0, 5674.0, 5563.0, 5465.0, 5272.0, 5636.0, 5716.0, 5309.0, 5426.0, 5553.0, 5332.0, 5685.0, 5666.0, 5524.0, 5314.0, 5714.0 (number of hits: 4)
4	5500	9	1	333	1	5461.0, 5665.0, 5452.0, 5383.0, 5312.0, 5512.0, 5650.0, 5527.0, 5275.0, 5532.0, 5591.0, 5605.0, 5546.0, 5282.0, 5642.0, 5352.0, 5594.0, 5625.0, 5636.0, 5666.0, 5528.0, 5659.0, 5721.0, 5563.0, 5638.0, 5710.0, 5655.0, 5579.0, 5508.0, 5390.0, 5706.0, 5590.0, 5410.0, 5583.0, 5702.0, 5479.0, 5373.0, 5430.0, 5560.0, 5662.0, 5450.0, 5340.0, 5438.0, 5417.0, 5263.0, 5327.0, 5614.0, 5458.0, 5431.0, 5296.0, 5567.0, 5711.0, 5440.0, 5473.0, 5445.0, 5415.0, 5483.0, 5351.0, 5389.0, 5494.0, 5449.0, 5253.0, 5493.0, 5517.0, 5257.0, 5342.0, 5337.0, 5559.0, 5639.0, 5523.0, 5393.0, 5276.0, 5718.0, 5328.0, 5680.0, 5500.0, 5694.0, 5379.0, 5385.0, 5688.0, 5487.0, 5557.0, 5672.0, 5437.0, 5529.0, 5293.0, 5301.0, 5676.0, 5367.0, 5434.0, 5303.0, 5561.0, 5391.0, 5310.0, 5396.0, 5673.0, 5717.0, 5534.0, 5329.0, 5632.0 (number of hits: 4)
5	5500	9	1	333	1	5418.0, 5431.0, 5324.0, 5423.0, 5550.0, 5460.0, 5391.0, 5415.0, 5721.0, 5633.0, 5269.0, 5628.0, 5360.0, 5673.0, 5402.0, 5450.0, 5517.0, 5557.0, 5491.0, 5598.0, 5389.0, 5315.0, 5688.0, 5339.0, 5368.0, 5373.0, 5463.0, 5697.0, 5545.0, 5381.0, 5507.0, 5639.0, 5444.0, 5405.0, 5679.0, 5336.0, 5424.0, 5555.0, 5533.0, 5650.0, 5303.0, 5358.0, 5393.0, 5437.0, 5666.0, 5513.0, 5711.0, 5667.0, 5395.0, 5514.0, 5345.0, 5554.0, 5268.0, 5366.0, 5413.0, 5279.0, 5668.0, 5488.0, 5465.0, 5374.0, 5328.0, 5340.0, 5483.0, 5543.0, 5355.0, 5376.0, 5341.0, 5388.0, 5422.0, 5250.0, 5285.0, 5563.0, 5370.0, 5296.0, 5312.0, 5454.0, 5300.0, 5457.0, 5652.0, 5259.0, 5433.0, 5380.0, 5289.0, 5348.0, 5549.0, 5588.0, 5332.0, 5640.0, 5477.0, 5608.0, 5304.0, 5654.0, 5661.0, 5410.0, 5443.0, 5481.0, 5469.0, 5593.0, 5281.0, 5319.0 (number of hits: 2)
6	5500	9	1	333	1	5666.0, 5554.0, 5423.0, 5501.0, 5616.0, 5488.0, 5339.0, 5319.0, 5665.0, 5586.0, 5457.0, 5464.0, 5438.0, 5262.0, 5468.0, 5252.0, 5604.0, 5451.0, 5605.0, 5263.0, 5552.0, 5279.0, 5555.0, 5487.0, 5322.0, 5412.0, 5534.0, 5359.0, 5674.0, 5613.0, 5299.0, 5418.0, 5490.0, 5566.0, 5441.0,

						5369.0, 5510.0, 5323.0, 5353.0, 5695.0, 5545.0, 5579.0, 5388.0, 5314.0, 5636.0, 5406.0, 5471.0, 5536.0, 5344.0, 5708.0, 5682.0, 5620.0, 5335.0, 5275.0, 5380.0, 5381.0, 5663.0, 5619.0, 5646.0, 5603.0, 5474.0, 5270.0, 5704.0, 5336.0, 5499.0, 5266.0, 5460.0, 5533.0, 5489.0, 5543.0, 5556.0, 5705.0, 5338.0, 5365.0, 5424.0, 5633.0, 5671.0, 5307.0, 5349.0, 5506.0, 5716.0, 5278.0, 5598.0, 5481.0, 5426.0, 5340.0, 5293.0, 5454.0, 5582.0, 5325.0, 5638.0, 5686.0, 5400.0, 5630.0, 5327.0, 5723.0, 5361.0, 5561.0, 5667.0, 5514.0 (number of hits: 4)
7	5500	9	1	333	1	5721.0, 5661.0, 5268.0, 5590.0, 5592.0, 5610.0, 5325.0, 5637.0, 5255.0, 5600.0, 5418.0, 5389.0, 5488.0, 5437.0, 5503.0, 5324.0, 5676.0, 5278.0, 5366.0, 5258.0, 5630.0, 5552.0, 5504.0, 5250.0, 5355.0, 5288.0, 5635.0, 5259.0, 5360.0, 5717.0, 5574.0, 5525.0, 5576.0, 5374.0, 5549.0, 5545.0, 5599.0, 5466.0, 5270.0, 5582.0, 5644.0, 5584.0, 5490.0, 5541.0, 5406.0, 5522.0, 5272.0, 5439.0, 5648.0, 5486.0, 5665.0, 5350.0, 5633.0, 5337.0, 5319.0, 5341.0, 5518.0, 5315.0, 5678.0, 5267.0, 5377.0, 5711.0, 5444.0, 5664.0, 5700.0, 5421.0, 5640.0, 5367.0, 5410.0, 5623.0, 5447.0, 5597.0, 5266.0, 5675.0, 5692.0, 5371.0, 5329.0, 5415.0, 5429.0, 5296.0, 5561.0, 5387.0, 5540.0, 5321.0, 5349.0, 5628.0, 5483.0, 5604.0, 5577.0, 5718.0, 5538.0, 5379.0, 5673.0, 5647.0, 5550.0, 5474.0, 5519.0, 5395.0, 5331.0, 5710.0 (number of hits: 3)
8	5500	9	1	333	1	5357.0, 5636.0, 5312.0, 5476.0, 5427.0, 5458.0, 5618.0, 5494.0, 5686.0, 5495.0, 5319.0, 5342.0, 5665.0, 5592.0, 5367.0, 5600.0, 5606.0, 5289.0, 5395.0, 5520.0, 5714.0, 5524.0, 5470.0, 5631.0, 5269.0, 5541.0, 5440.0, 5331.0, 5345.0, 5287.0, 5593.0, 5474.0, 5539.0, 5409.0, 5327.0, 5531.0, 5338.0, 5547.0, 5361.0, 5278.0, 5554.0, 5582.0, 5383.0, 5251.0, 5572.0, 5363.0, 5597.0, 5607.0, 5522.0, 5309.0, 5421.0, 5662.0, 5374.0, 5685.0, 5609.0, 5639.0, 5466.0, 5676.0, 5341.0, 5707.0, 5468.0, 5389.0, 5614.0, 5669.0, 5560.0, 5452.0, 5397.0, 5516.0, 5404.0, 5253.0, 5314.0, 5478.0, 5613.0, 5719.0, 5632.0, 5272.0, 5663.0, 5463.0, 5258.0, 5604.0, 5635.0, 5532.0, 5308.0, 5265.0, 5579.0, 5424.0, 5650.0, 5477.0, 5601.0, 5292.0, 5605.0, 5324.0, 5418.0, 5673.0, 5282.0, 5349.0, 5286.0, 5496.0, 5644.0, 5596.0 (number of hits: 3)
9	5500	9	1	333	1	5659.0, 5567.0, 5263.0, 5457.0, 5660.0, 5702.0, 5400.0, 5646.0, 5371.0, 5595.0, 5387.0, 5554.0, 5658.0, 5360.0, 5440.0,

						5348.0, 5514.0, 5483.0, 5604.0, 5283.0, 5375.0, 5551.0, 5342.0, 5424.0, 5423.0, 5359.0, 5614.0, 5641.0, 5613.0, 5698.0, 5705.0, 5282.0, 5344.0, 5721.0, 5621.0, 5471.0, 5277.0, 5310.0, 5326.0, 5325.0, 5507.0, 5593.0, 5509.0, 5317.0, 5292.0, 5477.0, 5474.0, 5417.0, 5587.0, 5532.0, 5268.0, 5583.0, 5722.0, 5498.0, 5368.0, 5531.0, 5427.0, 5528.0, 5321.0, 5501.0, 5588.0, 5666.0, 5560.0, 5428.0, 5279.0, 5710.0, 5553.0, 5631.0, 5693.0, 5315.0, 5369.0, 5511.0, 5333.0, 5540.0, 5696.0, 5299.0, 5530.0, 5395.0, 5430.0, 5390.0, 5466.0, 5407.0, 5370.0, 5438.0, 5713.0, 5552.0, 5638.0, 5323.0, 5372.0, 5518.0, 5689.0, 5578.0, 5549.0, 5409.0, 5704.0, 5275.0, 5609.0, 5565.0, 5510.0, 5581.0 (number of hits: 4)
10	5500	9	1	333	1	5703.0, 5587.0, 5641.0, 5576.0, 5387.0, 5273.0, 5543.0, 5395.0, 5489.0, 5400.0, 5643.0, 5669.0, 5683.0, 5583.0, 5318.0, 5595.0, 5372.0, 5476.0, 5659.0, 5319.0, 5453.0, 5553.0, 5690.0, 5458.0, 5302.0, 5407.0, 5597.0, 5699.0, 5631.0, 5332.0, 5599.0, 5547.0, 5404.0, 5624.0, 5681.0, 5455.0, 5651.0, 5331.0, 5413.0, 5392.0, 5406.0, 5287.0, 5481.0, 5574.0, 5340.0, 5434.0, 5500.0, 5530.0, 5347.0, 5527.0, 5417.0, 5390.0, 5386.0, 5705.0, 5480.0, 5295.0, 5384.0, 5315.0, 5284.0, 5375.0, 5721.0, 5700.0, 5522.0, 5577.0, 5483.0, 5606.0, 5364.0, 5706.0, 5430.0, 5363.0, 5485.0, 5327.0, 5403.0, 5520.0, 5326.0, 5508.0, 5590.0, 5559.0, 5325.0, 5592.0, 5521.0, 5321.0, 5373.0, 5329.0, 5623.0, 5348.0, 5440.0, 5546.0, 5545.0, 5316.0, 5564.0, 5268.0, 5598.0, 5687.0, 5412.0, 5723.0, 5286.0, 5477.0, 5539.0, 5441.0 (number of hits: 2)
11	5500	9	1	333	1	5404.0, 5674.0, 5509.0, 5321.0, 5478.0, 5550.0, 5316.0, 5357.0, 5657.0, 5626.0, 5338.0, 5663.0, 5531.0, 5320.0, 5606.0, 5356.0, 5386.0, 5365.0, 5285.0, 5452.0, 5279.0, 5327.0, 5457.0, 5283.0, 5268.0, 5545.0, 5595.0, 5441.0, 5568.0, 5388.0, 5690.0, 5326.0, 5712.0, 5557.0, 5495.0, 5485.0, 5648.0, 5284.0, 5264.0, 5286.0, 5369.0, 5631.0, 5706.0, 5395.0, 5723.0, 5451.0, 5397.0, 5448.0, 5436.0, 5367.0, 5532.0, 5445.0, 5407.0, 5473.0, 5252.0, 5598.0, 5686.0, 5563.0, 5678.0, 5472.0, 5537.0, 5533.0, 5546.0, 5483.0, 5680.0, 5637.0, 5403.0, 5379.0, 5574.0, 5428.0, 5620.0, 5658.0, 5530.0, 5460.0, 5314.0, 5579.0, 5654.0, 5396.0, 5335.0, 5362.0, 5651.0, 5275.0, 5711.0, 5593.0, 5260.0, 5301.0, 5433.0, 5541.0, 5672.0, 5419.0, 5370.0, 5692.0, 5332.0, 5632.0, 5331.0, 5640.0, 5488.0, 5513.0, 5625.0, 5400.0

						(number of hits: 2)
12	5500	9	1	333	1	5595.0, 5705.0, 5685.0, 5256.0, 5708.0, 5601.0, 5405.0, 5274.0, 5443.0, 5542.0, 5266.0, 5471.0, 5587.0, 5428.0, 5690.0, 5433.0, 5635.0, 5621.0, 5530.0, 5639.0, 5578.0, 5261.0, 5356.0, 5475.0, 5259.0, 5291.0, 5522.0, 5563.0, 5396.0, 5280.0, 5543.0, 5465.0, 5446.0, 5421.0, 5670.0, 5485.0, 5453.0, 5497.0, 5403.0, 5491.0, 5541.0, 5375.0, 5526.0, 5331.0, 5493.0, 5654.0, 5269.0, 5680.0, 5711.0, 5473.0, 5709.0, 5298.0, 5678.0, 5342.0, 5513.0, 5268.0, 5658.0, 5604.0, 5703.0, 5327.0, 5572.0, 5523.0, 5289.0, 5297.0, 5358.0, 5450.0, 5422.0, 5412.0, 5663.0, 5449.0, 5562.0, 5253.0, 5717.0, 5343.0, 5335.0, 5570.0, 5696.0, 5392.0, 5484.0, 5294.0, 5389.0, 5277.0, 5384.0, 5549.0, 5615.0, 5545.0, 5603.0, 5252.0, 5547.0, 5532.0, 5487.0, 5273.0, 5373.0, 5457.0, 5693.0, 5317.0, 5299.0, 5250.0, 5345.0, 5362.0 (number of hits: 3)
13	5500	9	1	333	1	5444.0, 5603.0, 5428.0, 5487.0, 5415.0, 5685.0, 5316.0, 5270.0, 5652.0, 5490.0, 5592.0, 5278.0, 5478.0, 5673.0, 5347.0, 5509.0, 5532.0, 5661.0, 5420.0, 5259.0, 5342.0, 5429.0, 5693.0, 5582.0, 5550.0, 5476.0, 5559.0, 5643.0, 5394.0, 5668.0, 5526.0, 5345.0, 5419.0, 5590.0, 5254.0, 5598.0, 5253.0, 5336.0, 5271.0, 5349.0, 5404.0, 5337.0, 5375.0, 5629.0, 5669.0, 5456.0, 5500.0, 5422.0, 5387.0, 5723.0, 5658.0, 5393.0, 5515.0, 5700.0, 5692.0, 5470.0, 5497.0, 5617.0, 5589.0, 5547.0, 5323.0, 5344.0, 5312.0, 5569.0, 5492.0, 5452.0, 5705.0, 5529.0, 5517.0, 5489.0, 5407.0, 5615.0, 5696.0, 5403.0, 5309.0, 5295.0, 5648.0, 5355.0, 5471.0, 5385.0, 5608.0, 5359.0, 5690.0, 5441.0, 5555.0, 5654.0, 5558.0, 5527.0, 5367.0, 5384.0, 5528.0, 5627.0, 5577.0, 5353.0, 5641.0, 5712.0, 5436.0, 5518.0, 5605.0, 5458.0 (number of hits: 5)
14	5500	9	1	333	1	5267.0, 5619.0, 5338.0, 5599.0, 5320.0, 5380.0, 5507.0, 5252.0, 5394.0, 5367.0, 5344.0, 5572.0, 5688.0, 5555.0, 5582.0, 5399.0, 5641.0, 5388.0, 5378.0, 5474.0, 5387.0, 5658.0, 5489.0, 5324.0, 5303.0, 5635.0, 5591.0, 5535.0, 5671.0, 5483.0, 5379.0, 5687.0, 5471.0, 5527.0, 5385.0, 5579.0, 5350.0, 5631.0, 5446.0, 5362.0, 5601.0, 5473.0, 5498.0, 5543.0, 5264.0, 5695.0, 5391.0, 5479.0, 5274.0, 5531.0, 5375.0, 5642.0, 5326.0, 5592.0, 5420.0, 5626.0, 5334.0, 5359.0, 5306.0, 5290.0, 5440.0, 5532.0, 5288.0, 5516.0, 5254.0, 5278.0, 5352.0, 5657.0, 5284.0, 5629.0, 5448.0, 5293.0, 5413.0, 5292.0, 5259.0, 5675.0, 5419.0, 5697.0, 5468.0, 5509.0,

						5315.0, 5590.0, 5698.0, 5519.0, 5396.0, 5477.0, 5705.0, 5493.0, 5395.0, 5699.0, 5563.0, 5664.0, 5649.0, 5647.0, 5286.0, 5623.0, 5364.0, 5330.0, 5374.0, 5460.0 (number of hits: 4)
15	5500	9	1	333	1	5445.0, 5533.0, 5342.0, 5511.0, 5474.0, 5366.0, 5539.0, 5460.0, 5443.0, 5258.0, 5275.0, 5314.0, 5546.0, 5719.0, 5372.0, 5501.0, 5492.0, 5522.0, 5287.0, 5513.0, 5334.0, 5641.0, 5606.0, 5525.0, 5268.0, 5505.0, 5578.0, 5504.0, 5482.0, 5390.0, 5554.0, 5392.0, 5642.0, 5321.0, 5337.0, 5544.0, 5394.0, 5530.0, 5279.0, 5611.0, 5523.0, 5341.0, 5410.0, 5534.0, 5256.0, 5413.0, 5346.0, 5477.0, 5457.0, 5317.0, 5318.0, 5324.0, 5615.0, 5643.0, 5360.0, 5363.0, 5555.0, 5560.0, 5307.0, 5465.0, 5692.0, 5462.0, 5312.0, 5301.0, 5304.0, 5566.0, 5706.0, 5535.0, 5395.0, 5384.0, 5286.0, 5703.0, 5354.0, 5686.0, 5598.0, 5343.0, 5271.0, 5645.0, 5663.0, 5612.0, 5573.0, 5439.0, 5319.0, 5669.0, 5512.0, 5269.0, 5320.0, 5252.0, 5608.0, 5473.0, 5267.0, 5253.0, 5670.0, 5260.0, 5361.0, 5494.0, 5644.0, 5602.0, 5574.0, 5401.0 (number of hits: 5)
16	5500	9	1	333	1	5429.0, 5565.0, 5263.0, 5656.0, 5410.0, 5709.0, 5578.0, 5437.0, 5451.0, 5473.0, 5285.0, 5295.0, 5544.0, 5500.0, 5597.0, 5259.0, 5537.0, 5532.0, 5472.0, 5266.0, 5688.0, 5367.0, 5669.0, 5460.0, 5382.0, 5346.0, 5670.0, 5313.0, 5685.0, 5528.0, 5414.0, 5284.0, 5614.0, 5499.0, 5672.0, 5302.0, 5522.0, 5514.0, 5364.0, 5424.0, 5495.0, 5617.0, 5494.0, 5533.0, 5286.0, 5417.0, 5415.0, 5449.0, 5657.0, 5512.0, 5658.0, 5626.0, 5556.0, 5535.0, 5282.0, 5673.0, 5475.0, 5425.0, 5255.0, 5352.0, 5674.0, 5344.0, 5298.0, 5692.0, 5476.0, 5549.0, 5369.0, 5479.0, 5462.0, 5695.0, 5701.0, 5396.0, 5706.0, 5360.0, 5600.0, 5661.0, 5368.0, 5416.0, 5409.0, 5281.0, 5280.0, 5523.0, 5529.0, 5399.0, 5323.0, 5257.0, 5441.0, 5427.0, 5463.0, 5481.0, 5632.0, 5641.0, 5319.0, 5710.0, 5377.0, 5435.0, 5338.0, 5609.0, 5564.0, 5490.0 (number of hits: 5)
17	5500	9	1	333	1	5253.0, 5554.0, 5258.0, 5413.0, 5585.0, 5579.0, 5312.0, 5679.0, 5348.0, 5497.0, 5452.0, 5466.0, 5641.0, 5360.0, 5675.0, 5513.0, 5618.0, 5662.0, 5317.0, 5701.0, 5334.0, 5657.0, 5589.0, 5257.0, 5372.0, 5526.0, 5549.0, 5642.0, 5527.0, 5335.0, 5568.0, 5533.0, 5427.0, 5720.0, 5451.0, 5659.0, 5426.0, 5342.0, 5440.0, 5702.0, 5531.0, 5530.0, 5439.0, 5721.0, 5423.0, 5353.0, 5343.0, 5262.0, 5538.0, 5461.0, 5315.0, 5281.0, 5644.0, 5667.0, 5347.0, 5265.0, 5405.0, 5555.0, 5363.0, 5504.0,

						5456.0, 5415.0, 5374.0, 5438.0, 5378.0, 5557.0, 5704.0, 5272.0, 5453.0, 5605.0, 5501.0, 5660.0, 5665.0, 5517.0, 5552.0, 5412.0, 5570.0, 5574.0, 5651.0, 5446.0, 5658.0, 5646.0, 5382.0, 5329.0, 5586.0, 5562.0, 5606.0, 5656.0, 5496.0, 5512.0, 5278.0, 5677.0, 5655.0, 5537.0, 5309.0, 5500.0, 5373.0, 5259.0, 5518.0, 5298.0 (number of hits: 5)
18	5500	9	1	333	1	5510.0, 5475.0, 5319.0, 5694.0, 5352.0, 5473.0, 5499.0, 5294.0, 5432.0, 5698.0, 5415.0, 5293.0, 5504.0, 5321.0, 5571.0, 5458.0, 5471.0, 5342.0, 5710.0, 5301.0, 5275.0, 5531.0, 5302.0, 5634.0, 5707.0, 5277.0, 5690.0, 5545.0, 5516.0, 5577.0, 5699.0, 5564.0, 5536.0, 5549.0, 5558.0, 5508.0, 5258.0, 5361.0, 5354.0, 5318.0, 5279.0, 5522.0, 5647.0, 5528.0, 5347.0, 5398.0, 5642.0, 5498.0, 5607.0, 5348.0, 5323.0, 5292.0, 5481.0, 5255.0, 5527.0, 5427.0, 5369.0, 5468.0, 5542.0, 5407.0, 5579.0, 5447.0, 5591.0, 5711.0, 5683.0, 5570.0, 5394.0, 5533.0, 5619.0, 5288.0, 5663.0, 5371.0, 5626.0, 5701.0, 5464.0, 5589.0, 5629.0, 5399.0, 5633.0, 5502.0, 5581.0, 5630.0, 5576.0, 5435.0, 5715.0, 5376.0, 5543.0, 5695.0, 5338.0, 5254.0, 5278.0, 5426.0, 5397.0, 5488.0, 5253.0, 5383.0, 5333.0, 5535.0, 5552.0, 5470.0 (number of hits: 5)
19	5500	9	1	333	1	5527.0, 5674.0, 5542.0, 5713.0, 5491.0, 5513.0, 5259.0, 5333.0, 5710.0, 5352.0, 5493.0, 5461.0, 5282.0, 5315.0, 5467.0, 5677.0, 5414.0, 5340.0, 5426.0, 5495.0, 5470.0, 5574.0, 5477.0, 5346.0, 5599.0, 5301.0, 5517.0, 5319.0, 5666.0, 5449.0, 5682.0, 5509.0, 5559.0, 5419.0, 5397.0, 5410.0, 5375.0, 5269.0, 5262.0, 5566.0, 5488.0, 5516.0, 5676.0, 5537.0, 5501.0, 5479.0, 5484.0, 5326.0, 5358.0, 5281.0, 5447.0, 5552.0, 5697.0, 5289.0, 5706.0, 5422.0, 5252.0, 5372.0, 5431.0, 5296.0, 5540.0, 5367.0, 5650.0, 5515.0, 5490.0, 5342.0, 5665.0, 5672.0, 5418.0, 5332.0, 5472.0, 5445.0, 5361.0, 5604.0, 5402.0, 5628.0, 5703.0, 5717.0, 5510.0, 5462.0, 5714.0, 5606.0, 5668.0, 5578.0, 5339.0, 5349.0, 5473.0, 5390.0, 5370.0, 5492.0, 5577.0, 5466.0, 5588.0, 5622.0, 5381.0, 5643.0, 5647.0, 5250.0, 5635.0, 5452.0 (number of hits: 7)
20	5500	9	1	333	1	5608.0, 5338.0, 5408.0, 5570.0, 5485.0, 5628.0, 5557.0, 5503.0, 5425.0, 5607.0, 5448.0, 5541.0, 5268.0, 5609.0, 5573.0, 5652.0, 5682.0, 5422.0, 5722.0, 5449.0, 5259.0, 5588.0, 5499.0, 5327.0, 5528.0, 5305.0, 5433.0, 5490.0, 5257.0, 5438.0, 5605.0, 5523.0, 5376.0, 5564.0, 5494.0, 5517.0, 5663.0, 5495.0, 5402.0, 5391.0,

						5620.0, 5330.0, 5616.0, 5701.0, 5565.0, 5697.0, 5288.0, 5357.0, 5335.0, 5280.0, 5606.0, 5537.0, 5263.0, 5368.0, 5282.0, 5716.0, 5442.0, 5253.0, 5601.0, 5316.0, 5645.0, 5348.0, 5600.0, 5284.0, 5393.0, 5488.0, 5394.0, 5576.0, 5439.0, 5491.0, 5383.0, 5371.0, 5261.0, 5704.0, 5384.0, 5594.0, 5510.0, 5646.0, 5589.0, 5511.0, 5519.0, 5509.0, 5356.0, 5396.0, 5473.0, 5307.0, 5667.0, 5317.0, 5679.0, 5621.0, 5415.0, 5419.0, 5311.0, 5698.0, 5404.0, 5300.0, 5496.0, 5309.0, 5664.0, 5450.0 (number of hits: 8)
21	5500	9	1	333	1	5666.0, 5437.0, 5633.0, 5560.0, 5526.0, 5355.0, 5297.0, 5436.0, 5384.0, 5641.0, 5255.0, 5707.0, 5554.0, 5594.0, 5463.0, 5458.0, 5339.0, 5632.0, 5310.0, 5427.0, 5402.0, 5367.0, 5379.0, 5573.0, 5312.0, 5588.0, 5719.0, 5432.0, 5409.0, 5663.0, 5715.0, 5542.0, 5514.0, 5448.0, 5539.0, 5415.0, 5281.0, 5590.0, 5690.0, 5510.0, 5546.0, 5254.0, 5335.0, 5455.0, 5676.0, 5459.0, 5723.0, 5408.0, 5410.0, 5712.0, 5629.0, 5646.0, 5404.0, 5348.0, 5652.0, 5609.0, 5482.0, 5504.0, 5328.0, 5721.0, 5597.0, 5401.0, 5547.0, 5425.0, 5566.0, 5365.0, 5485.0, 5528.0, 5584.0, 5551.0, 5474.0, 5513.0, 5720.0, 5418.0, 5544.0, 5277.0, 5516.0, 5329.0, 5294.0, 5684.0, 5309.0, 5446.0, 5627.0, 5589.0, 5565.0, 5518.0, 5428.0, 5374.0, 5569.0, 5430.0, 5260.0, 5271.0, 5257.0, 5397.0, 5649.0, 5359.0, 5536.0, 5704.0, 5372.0, 5434.0 (number of hits: 1)
22	5500	9	1	333	1	5612.0, 5486.0, 5364.0, 5292.0, 5456.0, 5517.0, 5563.0, 5337.0, 5510.0, 5253.0, 5380.0, 5519.0, 5385.0, 5491.0, 5454.0, 5397.0, 5399.0, 5357.0, 5684.0, 5363.0, 5335.0, 5452.0, 5332.0, 5572.0, 5288.0, 5441.0, 5431.0, 5711.0, 5502.0, 5526.0, 5670.0, 5570.0, 5548.0, 5662.0, 5676.0, 5282.0, 5396.0, 5606.0, 5614.0, 5641.0, 5539.0, 5660.0, 5449.0, 5498.0, 5603.0, 5305.0, 5270.0, 5600.0, 5652.0, 5275.0, 5307.0, 5386.0, 5584.0, 5587.0, 5257.0, 5531.0, 5368.0, 5391.0, 5625.0, 5371.0, 5607.0, 5709.0, 5696.0, 5313.0, 5593.0, 5376.0, 5328.0, 5595.0, 5579.0, 5359.0, 5403.0, 5258.0, 5384.0, 5256.0, 5618.0, 5637.0, 5690.0, 5295.0, 5661.0, 5461.0, 5453.0, 5534.0, 5588.0, 5437.0, 5515.0, 5383.0, 5303.0, 5493.0, 5538.0, 5274.0, 5273.0, 5334.0, 5443.0, 5494.0, 5627.0, 5508.0, 5546.0, 5569.0, 5394.0, 5567.0 (number of hits: 6)
23	5500	9	1	333	1	5393.0, 5368.0, 5493.0, 5373.0, 5456.0, 5679.0, 5440.0, 5530.0, 5370.0, 5472.0, 5703.0, 5262.0, 5418.0, 5659.0, 5363.0, 5638.0, 5266.0, 5502.0, 5545.0, 5413.0,

						5664.0, 5700.0, 5349.0, 5641.0, 5577.0, 5454.0, 5629.0, 5485.0, 5267.0, 5663.0, 5504.0, 5607.0, 5402.0, 5410.0, 5438.0, 5602.0, 5342.0, 5683.0, 5674.0, 5538.0, 5332.0, 5325.0, 5699.0, 5546.0, 5605.0, 5425.0, 5671.0, 5559.0, 5296.0, 5306.0, 5422.0, 5284.0, 5310.0, 5494.0, 5441.0, 5705.0, 5506.0, 5655.0, 5606.0, 5644.0, 5320.0, 5369.0, 5251.0, 5706.0, 5632.0, 5676.0, 5692.0, 5511.0, 5352.0, 5290.0, 5507.0, 5398.0, 5467.0, 5543.0, 5678.0, 5715.0, 5583.0, 5379.0, 5436.0, 5521.0, 5660.0, 5558.0, 5330.0, 5609.0, 5358.0, 5386.0, 5616.0, 5675.0, 5261.0, 5642.0, 5478.0, 5510.0, 5680.0, 5263.0, 5594.0, 5484.0, 5497.0, 5512.0, 5259.0, 5636.0 (number of hits: 7)
24	5500	9	1	333	1	5680.0, 5538.0, 5492.0, 5691.0, 5480.0, 5398.0, 5699.0, 5356.0, 5361.0, 5602.0, 5668.0, 5350.0, 5536.0, 5470.0, 5709.0, 5594.0, 5658.0, 5693.0, 5444.0, 5319.0, 5476.0, 5611.0, 5579.0, 5475.0, 5686.0, 5250.0, 5378.0, 5617.0, 5546.0, 5574.0, 5423.0, 5455.0, 5446.0, 5529.0, 5473.0, 5430.0, 5369.0, 5383.0, 5447.0, 5258.0, 5575.0, 5670.0, 5515.0, 5481.0, 5360.0, 5704.0, 5464.0, 5289.0, 5499.0, 5560.0, 5406.0, 5713.0, 5643.0, 5283.0, 5425.0, 5460.0, 5571.0, 5414.0, 5422.0, 5330.0, 5384.0, 5641.0, 5270.0, 5396.0, 5493.0, 5325.0, 5317.0, 5424.0, 5624.0, 5323.0, 5483.0, 5474.0, 5674.0, 5433.0, 5306.0, 5307.0, 5717.0, 5465.0, 5646.0, 5308.0, 5401.0, 5286.0, 5313.0, 5382.0, 5651.0, 5426.0, 5609.0, 5436.0, 5526.0, 5564.0, 5556.0, 5566.0, 5685.0, 5321.0, 5502.0, 5723.0, 5712.0, 5429.0, 5278.0, 5404.0 (number of hits: 4)
25	5500	9	1	333	1	5282.0, 5469.0, 5442.0, 5402.0, 5599.0, 5359.0, 5416.0, 5326.0, 5565.0, 5302.0, 5393.0, 5583.0, 5601.0, 5284.0, 5607.0, 5521.0, 5592.0, 5698.0, 5702.0, 5401.0, 5383.0, 5361.0, 5483.0, 5675.0, 5257.0, 5638.0, 5663.0, 5277.0, 5334.0, 5697.0, 5622.0, 5706.0, 5468.0, 5595.0, 5609.0, 5714.0, 5413.0, 5440.0, 5597.0, 5604.0, 5466.0, 5292.0, 5665.0, 5318.0, 5335.0, 5338.0, 5664.0, 5587.0, 5340.0, 5690.0, 5514.0, 5533.0, 5551.0, 5408.0, 5376.0, 5543.0, 5266.0, 5329.0, 5650.0, 5400.0, 5281.0, 5515.0, 5382.0, 5378.0, 5310.0, 5348.0, 5474.0, 5354.0, 5614.0, 5651.0, 5446.0, 5380.0, 5606.0, 5585.0, 5375.0, 5458.0, 5655.0, 5600.0, 5641.0, 5612.0, 5404.0, 5496.0, 5472.0, 5522.0, 5312.0, 5648.0, 5523.0, 5441.0, 5495.0, 5425.0, 5686.0, 5645.0, 5374.0, 5644.0, 5610.0, 5590.0, 5701.0, 5293.0, 5576.0, 5461.0 (number of hits: 2)

26	5500	9	1	333	1	5597.0, 5587.0, 5577.0, 5563.0, 5285.0, 5497.0, 5620.0, 5526.0, 5698.0, 5332.0, 5388.0, 5579.0, 5445.0, 5417.0, 5530.0, 5420.0, 5305.0, 5706.0, 5392.0, 5510.0, 5253.0, 5697.0, 5578.0, 5717.0, 5383.0, 5403.0, 5523.0, 5643.0, 5387.0, 5581.0, 5331.0, 5371.0, 5363.0, 5490.0, 5559.0, 5317.0, 5633.0, 5435.0, 5486.0, 5499.0, 5701.0, 5705.0, 5355.0, 5602.0, 5459.0, 5360.0, 5390.0, 5419.0, 5415.0, 5682.0, 5432.0, 5513.0, 5655.0, 5277.0, 5374.0, 5427.0, 5452.0, 5630.0, 5330.0, 5709.0, 5318.0, 5433.0, 5525.0, 5625.0, 5580.0, 5605.0, 5276.0, 5350.0, 5601.0, 5573.0, 5624.0, 5631.0, 5338.0, 5473.0, 5512.0, 5264.0, 5677.0, 5281.0, 5320.0, 5576.0, 5555.0, 5676.0, 5268.0, 5341.0, 5538.0, 5479.0, 5412.0, 5446.0, 5498.0, 5436.0, 5617.0, 5287.0, 5635.0, 5713.0, 5358.0, 5421.0, 5508.0, 5280.0, 5503.0, 5553.0 (number of hits: 6)
27	5500	9	1	333	1	5572.0, 5320.0, 5343.0, 5634.0, 5532.0, 5502.0, 5683.0, 5616.0, 5564.0, 5469.0, 5702.0, 5278.0, 5337.0, 5277.0, 5517.0, 5267.0, 5595.0, 5261.0, 5414.0, 5348.0, 5356.0, 5308.0, 5481.0, 5369.0, 5445.0, 5653.0, 5387.0, 5367.0, 5392.0, 5293.0, 5391.0, 5673.0, 5522.0, 5674.0, 5485.0, 5586.0, 5473.0, 5597.0, 5283.0, 5525.0, 5321.0, 5580.0, 5315.0, 5326.0, 5440.0, 5475.0, 5344.0, 5368.0, 5578.0, 5640.0, 5331.0, 5351.0, 5632.0, 5621.0, 5366.0, 5494.0, 5544.0, 5531.0, 5358.0, 5528.0, 5538.0, 5395.0, 5254.0, 5554.0, 5707.0, 5402.0, 5705.0, 5419.0, 5441.0, 5291.0, 5503.0, 5418.0, 5281.0, 5520.0, 5434.0, 5472.0, 5253.0, 5429.0, 5660.0, 5282.0, 5637.0, 5336.0, 5614.0, 5454.0, 5600.0, 5685.0, 5380.0, 5570.0, 5723.0, 5669.0, 5558.0, 5477.0, 5612.0, 5547.0, 5526.0, 5709.0, 5561.0, 5642.0, 5334.0, 5535.0 (number of hits: 3)
28	5500	9	1	333	1	5332.0, 5617.0, 5361.0, 5490.0, 5308.0, 5709.0, 5257.0, 5414.0, 5596.0, 5540.0, 5689.0, 5463.0, 5561.0, 5300.0, 5354.0, 5570.0, 5369.0, 5427.0, 5251.0, 5620.0, 5505.0, 5348.0, 5470.0, 5653.0, 5669.0, 5267.0, 5613.0, 5592.0, 5625.0, 5662.0, 5372.0, 5557.0, 5683.0, 5661.0, 5610.0, 5421.0, 5652.0, 5472.0, 5479.0, 5288.0, 5535.0, 5632.0, 5327.0, 5501.0, 5680.0, 5623.0, 5434.0, 5562.0, 5708.0, 5715.0, 5716.0, 5320.0, 5334.0, 5637.0, 5713.0, 5416.0, 5719.0, 5555.0, 5432.0, 5299.0, 5516.0, 5287.0, 5397.0, 5627.0, 5295.0, 5668.0, 5296.0, 5336.0, 5645.0, 5670.0, 5658.0, 5382.0, 5442.0, 5406.0, 5473.0, 5465.0, 5323.0, 5506.0, 5539.0, 5365.0, 5510.0, 5647.0, 5487.0, 5342.0, 5450.0,

						5604.0, 5590.0, 5264.0, 5537.0, 5508.0, 5720.0, 5457.0, 5317.0, 5339.0, 5420.0, 5283.0, 5605.0, 5464.0, 5588.0, 5498.0 (number of hits: 6)
29	5500	9	1	333	1	5560.0, 5408.0, 5456.0, 5561.0, 5529.0, 5592.0, 5713.0, 5672.0, 5336.0, 5704.0, 5433.0, 5625.0, 5315.0, 5271.0, 5347.0, 5515.0, 5466.0, 5666.0, 5494.0, 5461.0, 5319.0, 5615.0, 5258.0, 5377.0, 5391.0, 5400.0, 5438.0, 5503.0, 5261.0, 5327.0, 5663.0, 5350.0, 5282.0, 5253.0, 5674.0, 5483.0, 5626.0, 5684.0, 5611.0, 5591.0, 5317.0, 5270.0, 5379.0, 5690.0, 5447.0, 5538.0, 5648.0, 5432.0, 5662.0, 5401.0, 5495.0, 5287.0, 5252.0, 5521.0, 5598.0, 5311.0, 5676.0, 5627.0, 5415.0, 5707.0, 5594.0, 5364.0, 5257.0, 5318.0, 5584.0, 5305.0, 5683.0, 5677.0, 5658.0, 5354.0, 5392.0, 5643.0, 5390.0, 5266.0, 5362.0, 5371.0, 5582.0, 5685.0, 5698.0, 5460.0, 5480.0, 5646.0, 5550.0, 5262.0, 5650.0, 5289.0, 5404.0, 5689.0, 5564.0, 5587.0, 5373.0, 5558.0, 5485.0, 5445.0, 5583.0, 5353.0, 5512.0, 5295.0, 5708.0, 5593.0 (number of hits: 3)
30	5500	9	1	333	1	5337.0, 5566.0, 5283.0, 5657.0, 5661.0, 5695.0, 5414.0, 5290.0, 5714.0, 5646.0, 5535.0, 5503.0, 5512.0, 5680.0, 5637.0, 5587.0, 5474.0, 5447.0, 5346.0, 5421.0, 5693.0, 5557.0, 5313.0, 5344.0, 5567.0, 5647.0, 5697.0, 5668.0, 5517.0, 5465.0, 5426.0, 5296.0, 5388.0, 5340.0, 5499.0, 5438.0, 5671.0, 5387.0, 5630.0, 5516.0, 5723.0, 5505.0, 5643.0, 5268.0, 5345.0, 5441.0, 5667.0, 5724.0, 5397.0, 5674.0, 5257.0, 5677.0, 5324.0, 5381.0, 5673.0, 5391.0, 5644.0, 5572.0, 5361.0, 5615.0, 5372.0, 5622.0, 5430.0, 5660.0, 5491.0, 5281.0, 5365.0, 5549.0, 5325.0, 5460.0, 5652.0, 5634.0, 5550.0, 5307.0, 5507.0, 5394.0, 5459.0, 5653.0, 5635.0, 5522.0, 5645.0, 5375.0, 5266.0, 5434.0, 5472.0, 5626.0, 5618.0, 5711.0, 5334.0, 5624.0, 5524.0, 5638.0, 5435.0, 5540.0, 5708.0, 5398.0, 5484.0, 5330.0, 5437.0, 5367.0 (number of hits: 5)

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	73.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85.83 %	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	83	1	638	1
2	5510	61	1	878	1
3	5510	63	1	838	1
4	5510	62	1	858	1
5	5510	76	1	698	1
6	5490	74	1	718	1
7	5490	81	1	658	1
8	5490	78	1	678	1
9	5490	68	1	778	1
10	5490	72	1	738	1
11	5530	65	1	818	1
12	5530	58	1	918	1
13	5530	59	1	898	1
14	5530	86	1	618	1
15	5530	70	1	758	1
16	5510	50	1	1070	1
17	5510	45	1	1177	1
18	5510	29	1	1823	1
19	5510	41	1	1309	1
20	5510	20	1	2709	1
21	5490	65	1	823	1
22	5490	30	1	1808	1
23	5490	97	1	548	1
24	5490	53	1	1010	1
25	5490	22	1	2447	1
26	5530	31	1	1745	1
27	5530	32	1	1693	1
28	5530	47	1	1129	1
29	5530	86	1	620	1
30	5530	19	1	2912	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	24	1.7	229	1
2	5510	29	4.3	154	1
3	5510	26	4.4	223	1
4	5510	27	5	156	0
5	5510	28	1.3	230	1
6	5510	27	1	218	1
7	5510	29	1.3	161	1
8	5510	27	3.9	194	1
9	5510	28	3	153	1
10	5510	24	1	177	0
11	5490	27	4.3	172	0
12	5490	28	2	151	1
13	5490	29	3.8	216	1
14	5490	28	4.4	189	1
15	5490	24	4.4	202	1
16	5490	23	1	190	0
17	5490	24	4.4	157	0
18	5490	25	1.6	176	1
19	5490	27	2.6	163	1
20	5490	25	1.2	223	1
21	5530	28	2.3	154	0
22	5530	27	2.2	192	1
23	5530	29	4.6	170	0
24	5530	25	1.1	188	1
25	5530	25	1.2	225	1
26	5530	24	1.2	212	1
27	5530	24	5	225	1
28	5530	26	4.7	185	1
29	5530	23	2.8	224	0
30	5530	29	1.6	223	1
Detection Percentage: 73.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	16	8	270	1
2	5510	17	7.4	239	1
3	5510	17	8.7	284	1
4	5510	16	6.6	459	1
5	5510	18	6.4	290	1
6	5510	18	9.3	489	1
7	5510	18	6.3	493	1
8	5510	16	8.8	272	1
9	5510	18	6	205	1
10	5510	16	9.8	420	1
11	5490	16	9.7	469	1
12	5490	18	9.1	415	1
13	5490	16	9.1	312	1
14	5490	16	7.3	204	1
15	5490	17	7.9	342	1
16	5490	18	9.7	278	1
17	5490	18	6.7	358	1
18	5490	18	9.5	286	1
19	5490	17	9.4	459	1
20	5490	17	9.7	307	1
21	5530	18	7	483	1
22	5530	16	6.3	274	1
23	5530	16	7.5	359	1
24	5530	16	9.3	367	0
25	5530	17	7.9	328	0
26	5530	17	6.4	491	1
27	5530	17	7.3	341	1
28	5530	16	6.3	269	1
29	5530	18	9.2	469	1
30	5530	16	6.4	392	1
Detection Percentage: 93.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	16	15	484	1
2	5510	12	11.7	299	1
3	5510	16	15.5	283	1
4	5510	13	16.4	218	1
5	5510	15	14.4	215	1
6	5510	13	15.4	384	1
7	5510	16	19.1	462	1
8	5510	15	19.3	293	1
9	5510	13	13.6	494	1
10	5510	14	18.8	406	0
11	5490	15	14.9	476	0
12	5490	14	13.3	357	1
13	5490	16	16	291	1
14	5490	13	16.3	346	1
15	5490	16	13.8	284	1
16	5490	14	17.3	481	1
17	5490	14	18.2	361	0
18	5490	14	15.6	443	1
19	5490	12	12.2	263	1
20	5490	12	16.9	204	1
21	5530	12	13.1	301	0
22	5530	15	12.7	249	0
23	5530	16	15.5	245	1
24	5530	12	14.5	489	1
25	5530	14	19.5	429	1
26	5530	16	19.1	471	0
27	5530	13	12.6	225	1
28	5530	16	13.1	361	0
29	5530	16	11.3	435	1
30	5530	14	14.6	456	1
Detection Percentage: 76.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5495.8	1
12	5498.6	1
13	5495.4	1
14	5497.4	1
15	5496.2	1
16	5497.0	1
17	5497.4	1
18	5497.0	0
19	5497.4	1
20	5495.8	1
21	5521.8	1
22	5523.8	1
23	5525.4	1
24	5526.2	1
25	5527.0	1
26	5524.2	1
27	5525.4	0
28	5521.8	1
29	5523.4	0
30	5525.8	1
Detection Percentage: 90 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	78.9	1671	1772	1.009529	1
1	1	9	89.1			2.58838	
2	3	9	52.3	1479	1826	3.954481	
3	2	9	89.4	1050		4.364796	
4	1	9	83			6.218999	
5	1	9	81.1			7.709757	
6	2	9	97.2	1916		8.331966	
7	2	9	70.9	1090		9.593286	
8	2	9	84.2	1113		11.234457	

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	5	61	1847	1588	0.157772	1
1	3	5	74.8	1005	1165	0.730162	
2	2	5	80.6	1629		1.802247	
3	2	5	59.3	1727		2.265661	
4	2	5	81.1	1319		3.294702	
5	1	5	58.6			3.793991	
6	3	5	78.5	1215	1825	4.671661	
7	2	5	61.1	1049		5.186375	
8	2	5	97.1	1044		6.185885	
9	3	5	56.9	1397	1815	6.536418	
10	2	5	77.2	1851		7.676193	
11	3	5	81.9	1036	1264	7.991062	
12	1	5	99.8			8.815648	
13	2	5	63.3	1958		9.291244	
14	2	5	51.1	1018		10.366041	
15	2	5	65.2	1405		11.026334	
16	2	5	83.3	1257		11.33906	

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	94.3	1130		0.028674	
1	2	8	77.8	1608		1.433251	
2	2	8	75.3	1178		2.239337	
3	2	8	80.2	1268		3.737626	
4	2	8	69.9	1774		5.368166	
5	3	8	63.6	1755	1234	6.360305	1
6	1	8	98			7.311889	
7	2	8	67.3	1138		8.117275	
8	3	8	65.1	1280	1949	9.646067	
9	3	8	96.8	1196	1711	10.869173	
10	3	8	58.7	1058	1392	11.32503	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	93.5			0.191724	
1	2	7	52.4	1969		1.664568	
2	3	7	90.9	1189	1798	2.329627	
3	3	7	98.2	1960	1009	2.988132	
4	2	7	86.6	1911		4.509713	
5	3	7	58.6	1191	1393	4.821063	
6	2	7	53.9	1305		5.61677	1
7	3	7	68.8	1843	1291	7.288779	
8	2	7	98.8	1400		8.069884	
9	2	7	96	1730		9.157527	
10	2	7	85.2	1780		9.499879	
11	3	7	87.1	1868	1269	10.347497	
12	1	7	51.3			11.682979	

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	77.3	1815		0.151406	1
1	1	9	99.3			0.758421	
2	2	9	63	1041		1.387854	
3	3	9	75.7	1567	1328	2.107991	
4	1	9	81.8			2.796232	
5	2	9	90.9	1917		3.861177	
6	3	9	73.9	1795	1731	4.272442	
7	1	9	91.3			4.996395	
8	3	9	60.6	1134	1658	5.907357	
9	1	9	54.1			6.054668	
10	2	9	64.3	1332		7.082645	
11	1	9	85.5			7.434711	
12	2	9	76.3	1704		8.66106	
13	2	9	72.7	1290		8.776632	
14	2	9	74.2	1507		9.971657	
15	2	9	62.2	1244		10.107561	
16	2	9	98.9	1562		10.760862	
17	1	9	88.5			11.432273	

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	8	73.5	1499		0.548632	
1	1	8	74.2			0.855431	
2	2	8	53	1542		1.824521	
3	3	8	77	1588	1794	2.161391	
4	2	8	91.2	1396		2.940052	
5	2	8	53.7	1075		3.210782	
6	2	8	91.5	1623		4.155787	
7	3	8	84.5	1923	1210	4.921398	
8	2	8	99.1	1704		5.369599	
9	2	8	68.3	1477		6.055569	1
10	2	8	54.6	1283		6.616276	
11	3	8	60.3	1820	1853	7.320418	
12	3	8	58.5	1010	1777	7.840268	
13	2	8	55.1	1301		8.544036	
14	3	8	67.4	1568	1760	9.185558	
15	3	8	82.6	1853	1127	9.978816	
16	3	8	97.8	1347	1746	10.699315	
17	1	8	83			11.332096	
18	2	8	57.3	1278		11.489384	

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	6	55.3	1162	1032	0.107795	1
1	2	6	52.4	1627		0.85742	
2	2	6	86.4	1008		2.142113	
3	3	6	85.9	1496	1145	3.15981	
4	2	6	52.1	1510		3.906272	
5	2	6	90	1812		4.089931	
6	2	6	72.2	1735		5.478254	
7	2	6	78.1	1358		6.280718	
8	2	6	77.1	1533		6.689141	
9	1	6	69.2			7.534627	
10	2	6	64.9	1251		8.471027	
11	2	6	56.8	1202		9.581794	
12	1	6	58.6			9.636238	
13	2	6	78.4	1445		10.960619	
14	3	6	77.4	1640	1949	11.482783	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	78.9	1409	1109	0.254757	1
1	3	15	51.8	1302	1919	1.554621	
2	1	15	77.4			3.511733	
3	2	15	69.4	1082		4.133491	
4	1	15	88.8			5.871935	
5	2	15	74.2	1560		6.16572	
6	2	15	87.3	1101		7.884289	
7	1	15	54.1			8.912923	
8	3	15	76.2	1287	1672	10.725088	
9	2	15	80.5	1548		11.164317	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	80.6	1833		0.345594	
1	2	16	97	1794		0.821475	
2	2	16	77.5	1634		1.923836	
3	2	16	83.9	1303		2.456722	
4	2	16	89	1524		3.310926	
5	3	16	61.6	1937	1049	4.252332	
6	2	16	91.6	1135		4.875432	
7	3	16	59	1124	1680	5.671349	
8	2	16	82	1697		6.721728	1
9	2	16	52.8	1539		7.291706	
10	2	16	76.3	1893		7.91771	
11	2	16	89.6	1039		8.794789	
12	2	16	71.4	1339		9.679284	
13	2	16	91.1	1688		10.325005	
14	1	16	59.3			10.999255	
15	2	16	99.7	1196		11.286746	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	84.7			0.492831	
1	1	6	50.7			0.85249	
2	1	6	78.4			1.87378	
3	1	6	96.4			2.840668	
4	2	6	64	1604		3.620547	
5	3	6	79.8	1764	1572	4.042559	
6	2	6	88.3	1151		5.019687	
7	2	6	96.8	1371		5.670798	1
8	3	6	85.4	1102	1247	6.461924	
9	3	6	53.4	1128	1777	7.292811	
10	2	6	67.1	1966		8.445625	
11	2	6	91.3	1489		9.592946	
12	1	6	77.8			9.630258	
13	2	6	63.8	1929		11.138681	
14	2	6	64	1952		11.633515	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	60.1	1730		0.291657	
1	2	12	81.3	1382		1.082591	
2	2	12	81.3	1847		1.76587	
3	2	12	59.3	1246		3.19427	
4	2	12	68.4	1292		3.824485	
5	2	12	82.9	1467		4.081411	
6	2	12	65.6	1992		5.587777	
7	3	12	70.1	1428	1631	5.73556	1
8	2	12	73.3	1635		7.031377	
9	1	12	77.1			7.619636	
10	1	12	86			8.040618	
11	1	12	69.3			8.905139	
12	2	12	82.2	1370		9.736248	
13	2	12	71.2	1116		10.724599	
14	1	12	98			11.951172	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	64.6			0.0798	
1	2	19	77.8	1775		1.144327	
2	2	19	64.7	1366		2.103003	
3	3	19	60.8	1670	1371	3.426622	
4	3	19	71.4	1273	1708	4.196246	
5	2	19	59.4	1788		4.879118	
6	1	19	54.4			6.192346	1
7	1	19	73.2			6.658975	
8	2	19	52.2	1353		7.748304	
9	2	19	94.2	1415		8.967639	
10	1	19	66.8			9.589103	
11	1	19	82.9			10.317324	
12	2	19	56.6	1835		11.708987	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	99.6	1409	1527	0.224789	
1	3	11	52.3	1586	1021	1.19379	
2	2	11	98.1	1630		1.818471	
3	2	11	54.8	1502		2.36519	
4	2	11	58.9	1587		3.417395	
5	3	11	80.9	1331	1619	3.870321	
6	1	11	70.9			4.424586	
7	2	11	64.7	1895		5.599679	
8	2	11	96.2	1047		6.185856	1
9	3	11	80.6	1658	1092	6.510826	
10	3	11	94.9	1755	1713	7.461588	
11	1	11	70.1			7.951813	
12	2	11	69.9	1466		8.743818	
13	2	11	53.3	1159		9.515733	
14	2	11	87	1901		10.154777	
15	2	11	95.3	1287		10.663341	
16	3	11	68.2	1717	1064	11.506803	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	99.1	1377		0.55084	
1	2	16	69.8	1265		1.427544	
2	2	16	70.1	1002		2.388306	
3	3	16	51.6	1278	1367	2.566534	
4	3	16	89.7	1243	1856	3.659831	
5	3	16	60	1992	1405	4.778365	
6	2	16	88.5	1958		5.348174	
7	1	16	65.3			6.255934	1
8	1	16	63.6			7.082038	
9	2	16	90.8	1973		7.86159	
10	3	16	62.5	1952	1489	8.65903	
11	2	16	95	1216		8.944463	
12	2	16	96.4	1987		10.261127	
13	2	16	66.3	1620		11.122902	
14	2	16	91.2	1365		11.777928	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	55.6			0.218398	1
1	3	13	52.7	1940	1555	1.692274	
2	2	13	72.4	1775		3.087391	
3	2	13	89.3	1788		4.118436	
4	3	13	81.2	1100	1345	5.015263	
5	2	13	66.7	1349		6.285887	
6	1	13	56.5			7.370396	
7	3	13	70.7	1584	1687	8.455123	
8	2	13	93.5	1297		9.408824	
9	2	13	72.5	1369		10.16279	
10	2	13	55.2	1128		11.784597	

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	15	97.6	1811		0.493541	1
1	2	15	57.3	1899		1.526243	
2	2	15	75.9	1862		2.319614	
3	2	15	73.3	1254		3.205191	
4	1	15	97.9			4.248338	
5	3	15	84	1854	1060	4.922501	
6	2	15	80.6	1357		5.988279	
7	1	15	62.1			6.103517	
8	1	15	69.5			6.997135	
9	2	15	57.2	1279		7.999802	
10	1	15	93.1			8.924998	
11	2	15	82	1221		9.49171	
12	2	15	85.8	1964		10.809391	
13	1	15	96			11.641389	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	78.7	1081	1395	0.548491	1
1	2	16	64.9	1730		0.939471	
2	2	16	53.7	1905		1.868121	
3	3	16	59.1	1155	1407	3.306735	
4	2	16	77.5	1596		3.67105	
5	1	16	99.7			5.007682	
6	2	16	74.9	1797		5.981111	
7	3	16	64.9	1565	1632	6.756432	
8	2	16	92.4	1231		7.395948	
9	1	16	62.3			8.179816	
10	2	16	95.8	1076		9.178948	
11	3	16	88.7	1452	1916	9.478078	
12	2	16	97.9	1221		10.642841	
13	2	16	71.8	1956		11.535689	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	88.2	1057		0.520675	0
1	2	15	53.6	1811		1.551757	
2	3	15	68.6	1429	1792	1.924845	
3	3	15	54.4	1101	1622	3.158707	
4	3	15	68.7	1876	1423	3.28223	
5	3	15	56.9	1020	1404	4.440079	
6	2	15	65.4	1344		5.212278	
7	3	15	73.8	1480	1897	5.68749	
8	2	15	62.3	1265		6.674124	
9	2	15	86.4	1876		7.830756	
10	3	15	99.3	1238	1419	8.326624	
11	3	15	64.2	1778	1686	9.335424	
12	2	15	96.4	1780		10.357902	
13	2	15	91.2	1131		10.708028	
14	1	15	52.9			11.204396	

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	66	1555		0.136862	1
1	2	16	51.9	1041		1.226987	
2	2	16	79.5	1535		2.393252	
3	3	16	98	1196	1606	3.406988	
4	1	16	66.8			4.382411	
5	2	16	97.1	1132		5.37555	
6	1	16	97.3			6.689761	
7	3	16	58.3	1556	1046	7.642956	
8	2	16	73.5	1405		8.648409	
9	2	16	61.5	1120		9.812066	
10	1	16	86.7			10.134531	
11	2	16	99.2	1187		11.130438	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	68.9	1650		0.368301	1
1	2	12	52.9	1742		1.067224	
2	1	12	60.6			1.603849	
3	3	12	94.2	1712	1669	2.229433	
4	3	12	67.8	1938	1582	3.059832	
5	2	12	71.7	1737		3.342088	
6	2	12	96.7	1539		4.317343	
7	2	12	89.8	1460		5.108064	
8	1	12	61			5.561042	
9	2	12	81.8	1384		6.026247	
10	2	12	99.6	1209		6.970988	
11	2	12	52.1	1931		7.603265	
12	1	12	73.9			8.42894	
13	2	12	56.5	1534		8.839055	
14	3	12	50.9	1781	1814	9.934698	
15	3	12	70.2	1266	1468	10.156041	
16	3	12	85.4	1850	1028	11.293024	
17	1	12	93.9			11.785481	

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	18	89.4	1877		0.630795	
1	2	18	68.9	1919		1.422191	
2	2	18	88.9	1762		2.889671	
3	2	18	97.3	1488		3.411206	
4	2	18	62	1921		4.641757	
5	2	18	70.4	1841		5.782768	1
6	3	18	67.5	1876	1135	7.183314	
7	1	18	80.5			8.447287	
8	1	18	56			9.645803	
9	1	18	96.2			9.93071	
10	2	18	94.2	1506		11.685004	

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	13	63.5	1043	1351	0.885232	
1	2	13	86.8	1828		1.59576	
2	1	13	95			2.237309	
3	2	13	84.3	1957		3.688744	
4	2	13	86.6	1986		4.426067	
5	2	13	68.4	1786		5.935413	
6	2	13	99.8	1497		6.159528	1
7	1	13	63.8			7.220259	
8	2	13	70.1	1476		8.67778	
9	2	13	70.2	1665		9.022141	
10	1	13	93.8			10.373363	
11	1	13	77.1			11.654141	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	58	1875		0.709515	
1	2	9	71.1	1389		1.703209	
2	1	9	83.5			1.849396	
3	2	9	61.9	1929		3.591316	
4	2	9	90.6	1384		4.011314	
5	3	9	84.5	1420	1979	5.097629	
6	1	9	73.9			6.276021	1
7	3	9	76.7	1466	1418	6.682084	
8	1	9	62.9			7.642562	
9	1	9	82.5			8.970223	
10	2	9	64.7	1473		9.324348	
11	3	9	80.7	1050	1872	10.866486	
12	1	9	59.8			11.860532	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	99.9	1292		0.013886	
1	2	7	62.9	1423		1.528662	
2	2	7	63.3	1788		1.813611	
3	2	7	50.8	1554		3.136689	
4	1	7	73.8			3.773522	
5	1	7	66.4			4.396375	
6	1	7	73.4			5.467118	
7	2	7	66.9	1103		6.287297	1
8	2	7	97.1	1830		6.590303	
9	2	7	76.9	1357		7.349079	
10	2	7	96.5	1845		8.084573	
11	3	7	94.6	1480	1996	9.453402	
12	3	7	69.7	1862	1313	9.883144	
13	3	7	93.9	1165	1600	11.008687	
14	2	7	88.4	1230		11.293719	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	88.3			0.17658	
1	2	5	88	1413		1.187499	
2	2	5	76	1009		2.040312	
3	1	5	51			3.02571	
4	3	5	88.4	1233	1983	4.017988	
5	2	5	87.5	1077		4.968501	
6	1	5	61.2			6.211739	1
7	2	5	59.6	1563		6.85588	
8	2	5	78.4	1347		7.832614	
9	2	5	76.5	1789		8.3366	
10	3	5	52.6	1109	1878	10.006655	
11	1	5	84.6			10.233826	
12	2	5	65.1	1639		11.557233	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	65.2	1314		0.874966	
1	3	12	76.2	1983	1942	1.600496	
2	3	12	75.6	1600	1215	2.867826	
3	2	12	70.3	1340		3.606512	
4	1	12	55.6			4.952508	
5	2	12	87	1277		6.937091	1
6	1	12	84.6			7.874353	
7	1	12	70.4			8.86897	
8	3	12	60.1	1638	1437	9.932431	
9	2	12	62.1	1666		11.767118	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	96.5	1486		0.441114	0
1	3	9	75.4	1270	1967	1.635769	
2	2	9	73.6	1022		2.220997	
3	1	9	55.3			3.583831	
4	2	9	80.8	1047		3.699283	
5	2	9	52.2	1142		5.234013	
6	1	9	67.8			5.892394	
7	2	9	70.5	1391		7.116497	
8	2	9	76.9	1310		7.818711	
9	2	9	78.6	1064		8.936331	
10	2	9	60.9	1247		9.927667	
11	2	9	80	1961		10.448398	
12	3	9	53.3	1847	1707	11.882663	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	64.1	1295	1789	0.353366	1
1	2	18	76.5	1979		1.335161	
2	2	18	63.8	1090		2.042945	
3	3	18	51.6	1960	1082	2.524383	
4	2	18	52.6	1376		3.418908	
5	2	18	83.8	1620		3.770466	
6	2	18	67.9	1739		5.19013	
7	3	18	85.4	1757	1052	5.430115	
8	3	18	53.9	1256	1005	6.250105	
9	3	18	94.9	1975	1206	7.411534	
10	1	18	95.1			7.778071	
11	2	18	55	1595		8.837006	
12	1	18	86.4			9.295741	
13	1	18	56.9			9.951416	
14	3	18	53.2	1214	1249	10.760982	
15	1	18	86.8			11.88513	

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	14	89	1110		0.201978	
1	2	14	52.2	1079		0.975669	
2	2	14	79.2	1804		1.590704	
3	2	14	51.9	1062		2.606533	
4	1	14	71.9			3.019542	
5	1	14	52			3.748148	
6	1	14	90.1			4.638851	
7	2	14	75.5	1674		5.360919	
8	1	14	98.7			6.271157	1
9	1	14	52.7			7.040305	
10	2	14	58.1	1058		7.062022	
11	1	14	67			7.955991	
12	2	14	61.2	1925		9.042775	
13	2	14	83	1168		9.789012	
14	2	14	84.8	1085		10.532574	
15	2	14	83.5	1506		11.17086	
16	2	14	83.3	1830		11.877106	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	51.4	1338		0.623839	1
1	1	8	91.8			1.208954	
2	1	8	58.2			1.371482	
3	2	8	99	1275		2.545008	
4	3	8	62	1170	1734	3.242243	
5	2	8	66.7	1308		3.700941	
6	2	8	56.4	1653		4.129241	
7	2	8	98.6	1235		5.007507	
8	1	8	73.9			5.368921	
9	3	8	70.5	1155	1340	6.623867	
10	2	8	94.5	1599		7.150835	
11	2	8	59.4	1901		7.897271	
12	1	8	72.6			8.542864	
13	2	8	58.3	1501		9.14442	
14	1	8	60.2			9.816056	
15	1	8	69.7			10.036134	
16	1	8	89.6			10.872607	
17	2	8	87.4	1127		11.752461	

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	5453.0, 5717.0, 5508.0, 5586.0, 5443.0, 5438.0, 5495.0, 5579.0, 5392.0, 5391.0, 5688.0, 5686.0, 5598.0, 5346.0, 5539.0, 5712.0, 5651.0, 5573.0, 5546.0, 5424.0, 5469.0, 5345.0, 5692.0, 5498.0, 5679.0, 5663.0, 5420.0, 5522.0, 5642.0, 5568.0, 5563.0, 5285.0, 5714.0, 5452.0, 5427.0, 5399.0, 5408.0, 5557.0, 5649.0, 5705.0, 5542.0, 5330.0, 5429.0, 5715.0, 5707.0, 5645.0, 5555.0, 5674.0, 5558.0, 5512.0, 5582.0, 5441.0, 5685.0, 5619.0, 5613.0, 5437.0, 5387.0, 5500.0, 5480.0, 5575.0, 5616.0, 5476.0, 5703.0, 5580.0, 5496.0, 5653.0, 5561.0, 5676.0, 5584.0, 5412.0, 5654.0, 5313.0, 5559.0, 5603.0, 5356.0, 5544.0, 5296.0, 5358.0, 5426.0, 5659.0, 5572.0, 5351.0, 5612.0, 5630.0, 5721.0, 5465.0, 5301.0, 5331.0, 5367.0, 5366.0, 5547.0, 5434.0, 5609.0, 5361.0, 5628.0, 5485.0, 5704.0, 5507.0, 5448.0, 5359.0 (number of hits: 4)
2	5510	9	1	333	1	5253.0, 5591.0, 5361.0, 5683.0, 5280.0, 5648.0, 5495.0, 5575.0, 5695.0, 5577.0, 5402.0, 5541.0, 5350.0, 5640.0, 5488.0, 5632.0, 5580.0, 5356.0, 5388.0, 5658.0, 5321.0, 5481.0, 5620.0, 5637.0, 5564.0, 5346.0, 5717.0, 5264.0, 5587.0, 5507.0, 5447.0, 5305.0, 5298.0, 5414.0, 5609.0, 5397.0, 5450.0, 5629.0, 5546.0, 5493.0, 5687.0, 5614.0, 5490.0, 5497.0, 5417.0, 5413.0, 5477.0, 5676.0, 5622.0, 5406.0, 5380.0, 5511.0, 5582.0, 5652.0, 5370.0, 5702.0, 5301.0, 5331.0, 5537.0, 5399.0, 5437.0, 5698.0, 5680.0, 5452.0, 5594.0, 5538.0, 5505.0, 5657.0, 5525.0, 5696.0, 5438.0, 5625.0, 5543.0, 5276.0, 5536.0, 5303.0, 5335.0, 5401.0, 5623.0, 5360.0, 5274.0, 5535.0, 5646.0, 5513.0, 5624.0, 5545.0, 5265.0, 5521.0, 5392.0, 5387.0, 5385.0, 5635.0, 5461.0, 5282.0, 5457.0, 5317.0, 5349.0, 5667.0, 5599.0, 5643.0 (number of hits: 4)
3	5510	9	1	333	1	5616.0, 5331.0, 5574.0, 5587.0, 5332.0, 5323.0, 5602.0, 5310.0, 5484.0, 5273.0, 5566.0, 5303.0, 5256.0, 5699.0, 5448.0, 5459.0, 5350.0, 5347.0, 5633.0, 5261.0, 5253.0, 5281.0, 5295.0, 5339.0, 5619.0, 5687.0, 5586.0, 5568.0, 5431.0, 5552.0, 5546.0, 5355.0, 5440.0, 5565.0, 5635.0, 5282.0, 5319.0, 5367.0, 5600.0, 5403.0, 5516.0, 5309.0, 5435.0, 5647.0, 5421.0, 5620.0, 5657.0, 5548.0, 5718.0, 5395.0, 5678.0, 5694.0, 5327.0, 5536.0, 5608.0, 5465.0, 5315.0, 5317.0, 5701.0, 5452.0,

						5441.0, 5414.0, 5346.0, 5270.0, 5425.0, 5405.0, 5679.0, 5535.0, 5472.0, 5255.0, 5338.0, 5506.0, 5292.0, 5491.0, 5447.0, 5419.0, 5618.0, 5685.0, 5380.0, 5630.0, 5372.0, 5607.0, 5503.0, 5636.0, 5285.0, 5455.0, 5374.0, 5467.0, 5524.0, 5644.0, 5629.0, 5446.0, 5422.0, 5311.0, 5507.0, 5528.0, 5406.0, 5557.0, 5666.0, 5265.0 (number of hits: 4)
4	5510	9	1	333	1	5522.0, 5358.0, 5404.0, 5534.0, 5370.0, 5433.0, 5420.0, 5517.0, 5371.0, 5584.0, 5699.0, 5593.0, 5354.0, 5501.0, 5441.0, 5487.0, 5687.0, 5563.0, 5580.0, 5597.0, 5355.0, 5578.0, 5455.0, 5656.0, 5707.0, 5453.0, 5499.0, 5293.0, 5627.0, 5691.0, 5502.0, 5289.0, 5469.0, 5254.0, 5590.0, 5320.0, 5523.0, 5415.0, 5357.0, 5610.0, 5279.0, 5342.0, 5711.0, 5722.0, 5447.0, 5532.0, 5719.0, 5634.0, 5431.0, 5417.0, 5623.0, 5617.0, 5598.0, 5503.0, 5327.0, 5567.0, 5486.0, 5659.0, 5630.0, 5272.0, 5512.0, 5695.0, 5338.0, 5721.0, 5425.0, 5418.0, 5510.0, 5543.0, 5256.0, 5390.0, 5690.0, 5645.0, 5555.0, 5478.0, 5670.0, 5287.0, 5545.0, 5508.0, 5360.0, 5374.0, 5620.0, 5345.0, 5257.0, 5497.0, 5611.0, 5403.0, 5388.0, 5310.0, 5318.0, 5621.0, 5387.0, 5520.0, 5449.0, 5515.0, 5456.0, 5531.0, 5549.0, 5684.0, 5668.0, 5270.0 (number of hits: 8)
5	5510	9	1	333	1	5510.0, 5333.0, 5433.0, 5450.0, 5493.0, 5337.0, 5303.0, 5500.0, 5515.0, 5297.0, 5646.0, 5316.0, 5394.0, 5582.0, 5319.0, 5494.0, 5519.0, 5282.0, 5560.0, 5532.0, 5277.0, 5715.0, 5634.0, 5455.0, 5609.0, 5516.0, 5366.0, 5677.0, 5666.0, 5375.0, 5708.0, 5707.0, 5413.0, 5699.0, 5533.0, 5688.0, 5705.0, 5310.0, 5445.0, 5534.0, 5537.0, 5512.0, 5254.0, 5374.0, 5422.0, 5574.0, 5618.0, 5397.0, 5511.0, 5545.0, 5576.0, 5443.0, 5460.0, 5387.0, 5363.0, 5490.0, 5291.0, 5255.0, 5514.0, 5425.0, 5496.0, 5628.0, 5644.0, 5535.0, 5578.0, 5480.0, 5563.0, 5619.0, 5662.0, 5472.0, 5378.0, 5664.0, 5672.0, 5357.0, 5682.0, 5518.0, 5360.0, 5258.0, 5386.0, 5328.0, 5407.0, 5583.0, 5625.0, 5368.0, 5551.0, 5531.0, 5342.0, 5323.0, 5276.0, 5661.0, 5476.0, 5595.0, 5330.0, 5509.0, 5410.0, 5559.0, 5311.0, 5252.0, 5502.0, 5339.0 (number of hits: 11)
6	5510	9	1	333	1	5447.0, 5341.0, 5566.0, 5436.0, 5636.0, 5250.0, 5444.0, 5694.0, 5633.0, 5352.0, 5479.0, 5390.0, 5663.0, 5304.0, 5298.0, 5507.0, 5683.0, 5388.0, 5414.0, 5650.0, 5570.0, 5624.0, 5261.0, 5565.0, 5524.0, 5685.0, 5275.0, 5355.0, 5703.0, 5502.0, 5256.0, 5449.0, 5660.0, 5451.0, 5344.0, 5559.0, 5677.0, 5529.0, 5410.0, 5605.0,

						5615.0, 5496.0, 5468.0, 5303.0, 5523.0, 5366.0, 5543.0, 5622.0, 5596.0, 5642.0, 5701.0, 5576.0, 5294.0, 5441.0, 5375.0, 5426.0, 5491.0, 5691.0, 5600.0, 5569.0, 5434.0, 5423.0, 5592.0, 5499.0, 5505.0, 5628.0, 5616.0, 5721.0, 5405.0, 5323.0, 5377.0, 5459.0, 5597.0, 5348.0, 5698.0, 5712.0, 5540.0, 5702.0, 5674.0, 5579.0, 5338.0, 5719.0, 5346.0, 5401.0, 5617.0, 5531.0, 5314.0, 5607.0, 5258.0, 5516.0, 5485.0, 5300.0, 5618.0, 5438.0, 5720.0, 5557.0, 5586.0, 5319.0, 5509.0, 5290.0 (number of hits: 5)
7	5510	9	1	333	1	5502.0, 5367.0, 5578.0, 5470.0, 5451.0, 5654.0, 5360.0, 5619.0, 5522.0, 5509.0, 5717.0, 5669.0, 5326.0, 5710.0, 5275.0, 5364.0, 5424.0, 5550.0, 5565.0, 5429.0, 5581.0, 5608.0, 5438.0, 5295.0, 5462.0, 5314.0, 5466.0, 5287.0, 5701.0, 5421.0, 5262.0, 5340.0, 5558.0, 5660.0, 5448.0, 5356.0, 5375.0, 5358.0, 5286.0, 5418.0, 5644.0, 5592.0, 5549.0, 5504.0, 5545.0, 5280.0, 5503.0, 5332.0, 5683.0, 5397.0, 5580.0, 5296.0, 5297.0, 5532.0, 5668.0, 5579.0, 5610.0, 5530.0, 5622.0, 5528.0, 5590.0, 5652.0, 5582.0, 5494.0, 5568.0, 5686.0, 5413.0, 5596.0, 5354.0, 5606.0, 5393.0, 5571.0, 5519.0, 5631.0, 5612.0, 5721.0, 5447.0, 5713.0, 5585.0, 5720.0, 5426.0, 5493.0, 5681.0, 5702.0, 5624.0, 5433.0, 5692.0, 5682.0, 5583.0, 5312.0, 5557.0, 5369.0, 5319.0, 5274.0, 5595.0, 5482.0, 5250.0, 5486.0, 5560.0, 5270.0 (number of hits: 5)
8	5510	9	1	333	1	5574.0, 5406.0, 5572.0, 5605.0, 5441.0, 5477.0, 5635.0, 5259.0, 5669.0, 5599.0, 5263.0, 5678.0, 5516.0, 5541.0, 5551.0, 5584.0, 5421.0, 5525.0, 5355.0, 5459.0, 5376.0, 5336.0, 5494.0, 5543.0, 5319.0, 5476.0, 5578.0, 5550.0, 5295.0, 5507.0, 5316.0, 5275.0, 5307.0, 5583.0, 5341.0, 5480.0, 5500.0, 5582.0, 5443.0, 5565.0, 5403.0, 5306.0, 5552.0, 5510.0, 5704.0, 5528.0, 5359.0, 5612.0, 5330.0, 5453.0, 5564.0, 5680.0, 5589.0, 5594.0, 5649.0, 5610.0, 5409.0, 5266.0, 5301.0, 5598.0, 5563.0, 5389.0, 5617.0, 5690.0, 5258.0, 5378.0, 5274.0, 5505.0, 5254.0, 5645.0, 5554.0, 5634.0, 5462.0, 5579.0, 5702.0, 5251.0, 5705.0, 5352.0, 5253.0, 5531.0, 5659.0, 5304.0, 5553.0, 5407.0, 5518.0, 5328.0, 5338.0, 5383.0, 5592.0, 5420.0, 5492.0, 5368.0, 5333.0, 5544.0, 5711.0, 5438.0, 5384.0, 5252.0, 5694.0, 5640.0 (number of hits: 6)
9	5510	9	1	333	1	5360.0, 5367.0, 5439.0, 5385.0, 5469.0, 5298.0, 5354.0, 5327.0, 5561.0, 5640.0, 5539.0, 5319.0, 5283.0, 5524.0, 5558.0, 5415.0, 5486.0, 5276.0, 5526.0, 5603.0,

						5416.0, 5506.0, 5311.0, 5501.0, 5285.0, 5388.0, 5482.0, 5613.0, 5373.0, 5495.0, 5562.0, 5447.0, 5712.0, 5511.0, 5281.0, 5304.0, 5575.0, 5399.0, 5600.0, 5471.0, 5338.0, 5260.0, 5689.0, 5310.0, 5543.0, 5518.0, 5520.0, 5645.0, 5466.0, 5294.0, 5523.0, 5357.0, 5686.0, 5695.0, 5437.0, 5286.0, 5691.0, 5436.0, 5333.0, 5291.0, 5713.0, 5444.0, 5402.0, 5395.0, 5556.0, 5672.0, 5707.0, 5655.0, 5569.0, 5359.0, 5426.0, 5417.0, 5397.0, 5715.0, 5382.0, 5325.0, 5527.0, 5452.0, 5591.0, 5567.0, 5563.0, 5361.0, 5268.0, 5411.0, 5514.0, 5553.0, 5380.0, 5667.0, 5532.0, 5453.0, 5697.0, 5626.0, 5541.0, 5355.0, 5642.0, 5266.0, 5278.0, 5487.0, 5630.0, 5592.0 (number of hits: 5)
10	5510	9	1	333	1	5525.0, 5476.0, 5393.0, 5610.0, 5513.0, 5707.0, 5716.0, 5480.0, 5465.0, 5437.0, 5265.0, 5518.0, 5459.0, 5703.0, 5492.0, 5439.0, 5619.0, 5458.0, 5663.0, 5565.0, 5595.0, 5571.0, 5407.0, 5363.0, 5270.0, 5556.0, 5670.0, 5289.0, 5499.0, 5594.0, 5564.0, 5586.0, 5331.0, 5596.0, 5546.0, 5468.0, 5683.0, 5710.0, 5503.0, 5574.0, 5540.0, 5282.0, 5334.0, 5460.0, 5658.0, 5704.0, 5593.0, 5391.0, 5469.0, 5494.0, 5385.0, 5598.0, 5691.0, 5724.0, 5582.0, 5284.0, 5361.0, 5602.0, 5280.0, 5562.0, 5277.0, 5318.0, 5717.0, 5689.0, 5408.0, 5356.0, 5274.0, 5451.0, 5452.0, 5695.0, 5617.0, 5311.0, 5711.0, 5329.0, 5316.0, 5433.0, 5285.0, 5613.0, 5394.0, 5315.0, 5444.0, 5605.0, 5536.0, 5645.0, 5515.0, 5557.0, 5526.0, 5291.0, 5532.0, 5506.0, 5479.0, 5550.0, 5297.0, 5511.0, 5261.0, 5551.0, 5388.0, 5655.0, 5377.0, 5650.0 (number of hits: 6)
11	5510	9	1	333	1	5293.0, 5403.0, 5605.0, 5604.0, 5669.0, 5668.0, 5518.0, 5440.0, 5550.0, 5509.0, 5661.0, 5662.0, 5563.0, 5686.0, 5437.0, 5433.0, 5517.0, 5447.0, 5554.0, 5265.0, 5306.0, 5287.0, 5546.0, 5473.0, 5309.0, 5512.0, 5523.0, 5723.0, 5358.0, 5286.0, 5385.0, 5627.0, 5365.0, 5495.0, 5396.0, 5578.0, 5654.0, 5308.0, 5476.0, 5307.0, 5335.0, 5716.0, 5372.0, 5290.0, 5475.0, 5520.0, 5422.0, 5652.0, 5357.0, 5374.0, 5504.0, 5455.0, 5371.0, 5441.0, 5424.0, 5466.0, 5336.0, 5703.0, 5351.0, 5702.0, 5681.0, 5434.0, 5579.0, 5444.0, 5255.0, 5474.0, 5637.0, 5389.0, 5483.0, 5592.0, 5616.0, 5599.0, 5714.0, 5687.0, 5565.0, 5291.0, 5310.0, 5584.0, 5471.0, 5551.0, 5461.0, 5324.0, 5629.0, 5671.0, 5350.0, 5580.0, 5429.0, 5566.0, 5395.0, 5454.0, 5541.0, 5428.0, 5704.0, 5503.0, 5572.0, 5540.0, 5347.0, 5459.0, 5533.0, 5274.0 (number of hits: 6)

12	5510	9	1	333	1	5590.0, 5271.0, 5292.0, 5721.0, 5409.0, 5652.0, 5547.0, 5720.0, 5648.0, 5591.0, 5333.0, 5538.0, 5379.0, 5290.0, 5262.0, 5347.0, 5483.0, 5664.0, 5350.0, 5517.0, 5286.0, 5705.0, 5438.0, 5568.0, 5530.0, 5291.0, 5414.0, 5574.0, 5299.0, 5268.0, 5309.0, 5462.0, 5577.0, 5406.0, 5628.0, 5605.0, 5354.0, 5380.0, 5690.0, 5260.0, 5339.0, 5724.0, 5667.0, 5486.0, 5646.0, 5263.0, 5576.0, 5632.0, 5329.0, 5611.0, 5367.0, 5447.0, 5316.0, 5595.0, 5423.0, 5482.0, 5557.0, 5412.0, 5388.0, 5560.0, 5270.0, 5566.0, 5349.0, 5572.0, 5419.0, 5518.0, 5711.0, 5712.0, 5551.0, 5496.0, 5708.0, 5346.0, 5627.0, 5592.0, 5676.0, 5413.0, 5640.0, 5459.0, 5673.0, 5393.0, 5298.0, 5342.0, 5288.0, 5397.0, 5259.0, 5253.0, 5587.0, 5619.0, 5331.0, 5319.0, 5637.0, 5452.0, 5624.0, 5621.0, 5698.0, 5718.0, 5546.0, 5368.0, 5691.0, 5660.0 (number of hits: 2)
13	5510	9	1	333	1	5535.0, 5284.0, 5646.0, 5359.0, 5559.0, 5401.0, 5278.0, 5466.0, 5579.0, 5407.0, 5643.0, 5341.0, 5342.0, 5417.0, 5443.0, 5567.0, 5487.0, 5432.0, 5410.0, 5376.0, 5705.0, 5289.0, 5490.0, 5467.0, 5544.0, 5661.0, 5468.0, 5276.0, 5318.0, 5375.0, 5667.0, 5552.0, 5617.0, 5619.0, 5438.0, 5653.0, 5479.0, 5296.0, 5394.0, 5574.0, 5569.0, 5388.0, 5354.0, 5264.0, 5503.0, 5583.0, 5587.0, 5681.0, 5389.0, 5508.0, 5413.0, 5713.0, 5360.0, 5437.0, 5652.0, 5253.0, 5358.0, 5543.0, 5439.0, 5391.0, 5334.0, 5311.0, 5526.0, 5695.0, 5522.0, 5671.0, 5327.0, 5547.0, 5430.0, 5656.0, 5716.0, 5521.0, 5575.0, 5445.0, 5620.0, 5593.0, 5486.0, 5412.0, 5533.0, 5363.0, 5332.0, 5365.0, 5610.0, 5448.0, 5557.0, 5433.0, 5607.0, 5411.0, 5317.0, 5621.0, 5257.0, 5657.0, 5414.0, 5548.0, 5625.0, 5710.0, 5591.0, 5603.0, 5670.0, 5351.0 (number of hits: 2)
14	5510	9	1	333	1	5591.0, 5627.0, 5415.0, 5296.0, 5478.0, 5559.0, 5492.0, 5254.0, 5329.0, 5343.0, 5689.0, 5487.0, 5342.0, 5354.0, 5486.0, 5629.0, 5528.0, 5481.0, 5494.0, 5364.0, 5445.0, 5530.0, 5512.0, 5705.0, 5712.0, 5685.0, 5619.0, 5521.0, 5346.0, 5624.0, 5438.0, 5700.0, 5450.0, 5352.0, 5367.0, 5379.0, 5375.0, 5649.0, 5275.0, 5376.0, 5652.0, 5610.0, 5639.0, 5710.0, 5264.0, 5641.0, 5491.0, 5635.0, 5360.0, 5688.0, 5612.0, 5469.0, 5397.0, 5462.0, 5587.0, 5286.0, 5292.0, 5526.0, 5304.0, 5666.0, 5554.0, 5588.0, 5496.0, 5333.0, 5608.0, 5653.0, 5571.0, 5356.0, 5698.0, 5427.0, 5353.0, 5441.0, 5420.0, 5430.0, 5464.0, 5583.0, 5306.0, 5565.0, 5447.0, 5562.0, 5543.0, 5541.0, 5399.0, 5527.0, 5596.0,

						5417.0, 5607.0, 5311.0, 5684.0, 5288.0, 5644.0, 5695.0, 5413.0, 5660.0, 5398.0, 5467.0, 5600.0, 5282.0, 5411.0, 5626.0 (number of hits: 1)
15	5510	9	1	333	1	5500.0, 5569.0, 5303.0, 5485.0, 5280.0, 5444.0, 5668.0, 5380.0, 5577.0, 5495.0, 5446.0, 5388.0, 5542.0, 5315.0, 5259.0, 5678.0, 5288.0, 5661.0, 5607.0, 5526.0, 5681.0, 5341.0, 5382.0, 5345.0, 5671.0, 5467.0, 5395.0, 5408.0, 5673.0, 5537.0, 5698.0, 5612.0, 5472.0, 5610.0, 5498.0, 5644.0, 5563.0, 5572.0, 5693.0, 5263.0, 5593.0, 5586.0, 5664.0, 5507.0, 5453.0, 5503.0, 5705.0, 5292.0, 5256.0, 5544.0, 5268.0, 5519.0, 5528.0, 5716.0, 5460.0, 5357.0, 5287.0, 5622.0, 5628.0, 5428.0, 5318.0, 5552.0, 5492.0, 5322.0, 5536.0, 5487.0, 5426.0, 5613.0, 5320.0, 5685.0, 5670.0, 5281.0, 5331.0, 5434.0, 5559.0, 5691.0, 5304.0, 5316.0, 5540.0, 5565.0, 5251.0, 5591.0, 5601.0, 5675.0, 5619.0, 5617.0, 5564.0, 5370.0, 5687.0, 5692.0, 5680.0, 5362.0, 5356.0, 5723.0, 5379.0, 5672.0, 5713.0, 5483.0, 5523.0, 5712.0 (number of hits: 4)
16	5510	9	1	333	1	5388.0, 5544.0, 5422.0, 5534.0, 5256.0, 5592.0, 5527.0, 5682.0, 5495.0, 5377.0, 5402.0, 5294.0, 5322.0, 5368.0, 5699.0, 5530.0, 5626.0, 5289.0, 5528.0, 5302.0, 5492.0, 5431.0, 5654.0, 5494.0, 5687.0, 5334.0, 5361.0, 5619.0, 5649.0, 5536.0, 5398.0, 5723.0, 5362.0, 5569.0, 5301.0, 5370.0, 5502.0, 5593.0, 5535.0, 5348.0, 5333.0, 5266.0, 5570.0, 5387.0, 5577.0, 5529.0, 5651.0, 5373.0, 5542.0, 5634.0, 5443.0, 5390.0, 5314.0, 5582.0, 5548.0, 5588.0, 5631.0, 5316.0, 5406.0, 5466.0, 5419.0, 5460.0, 5675.0, 5648.0, 5553.0, 5476.0, 5493.0, 5559.0, 5620.0, 5450.0, 5597.0, 5580.0, 5617.0, 5414.0, 5378.0, 5452.0, 5613.0, 5538.0, 5355.0, 5273.0, 5375.0, 5365.0, 5275.0, 5315.0, 5574.0, 5721.0, 5594.0, 5707.0, 5395.0, 5434.0, 5694.0, 5262.0, 5539.0, 5372.0, 5445.0, 5641.0, 5357.0, 5575.0, 5428.0, 5561.0 (number of hits: 1)
17	5510	9	1	333	1	5275.0, 5486.0, 5477.0, 5279.0, 5697.0, 5659.0, 5635.0, 5662.0, 5453.0, 5544.0, 5312.0, 5540.0, 5397.0, 5261.0, 5556.0, 5362.0, 5670.0, 5496.0, 5449.0, 5502.0, 5623.0, 5641.0, 5402.0, 5640.0, 5613.0, 5430.0, 5338.0, 5459.0, 5546.0, 5272.0, 5306.0, 5581.0, 5273.0, 5329.0, 5311.0, 5677.0, 5683.0, 5554.0, 5592.0, 5516.0, 5383.0, 5386.0, 5251.0, 5531.0, 5334.0, 5529.0, 5597.0, 5348.0, 5416.0, 5390.0, 5388.0, 5417.0, 5705.0, 5384.0, 5264.0, 5656.0, 5357.0, 5551.0, 5519.0, 5354.0, 5625.0, 5490.0, 5495.0, 5549.0, 5463.0,

						5257.0, 5378.0, 5515.0, 5399.0, 5718.0, 5690.0, 5385.0, 5698.0, 5533.0, 5262.0, 5717.0, 5423.0, 5616.0, 5587.0, 5258.0, 5602.0, 5331.0, 5299.0, 5360.0, 5478.0, 5661.0, 5611.0, 5667.0, 5347.0, 5320.0, 5542.0, 5575.0, 5552.0, 5719.0, 5400.0, 5579.0, 5624.0, 5598.0, 5713.0, 5364.0 (number of hits: 4)
18	5510	9	1	333	1	5479.0, 5501.0, 5543.0, 5377.0, 5610.0, 5563.0, 5644.0, 5424.0, 5600.0, 5441.0, 5307.0, 5549.0, 5263.0, 5574.0, 5703.0, 5492.0, 5421.0, 5713.0, 5320.0, 5427.0, 5695.0, 5281.0, 5345.0, 5328.0, 5371.0, 5609.0, 5594.0, 5487.0, 5343.0, 5432.0, 5611.0, 5430.0, 5443.0, 5698.0, 5590.0, 5556.0, 5335.0, 5456.0, 5444.0, 5512.0, 5511.0, 5341.0, 5599.0, 5323.0, 5414.0, 5530.0, 5689.0, 5591.0, 5270.0, 5564.0, 5265.0, 5636.0, 5627.0, 5296.0, 5353.0, 5684.0, 5415.0, 5488.0, 5459.0, 5412.0, 5658.0, 5403.0, 5642.0, 5472.0, 5665.0, 5683.0, 5631.0, 5360.0, 5694.0, 5589.0, 5648.0, 5655.0, 5526.0, 5423.0, 5650.0, 5316.0, 5659.0, 5495.0, 5718.0, 5337.0, 5406.0, 5498.0, 5373.0, 5663.0, 5395.0, 5632.0, 5473.0, 5506.0, 5670.0, 5629.0, 5625.0, 5408.0, 5257.0, 5344.0, 5303.0, 5362.0, 5465.0, 5342.0, 5565.0, 5545.0 (number of hits: 4)
19	5510	9	1	333	1	5575.0, 5422.0, 5366.0, 5386.0, 5677.0, 5278.0, 5448.0, 5672.0, 5714.0, 5515.0, 5647.0, 5576.0, 5516.0, 5488.0, 5628.0, 5263.0, 5339.0, 5304.0, 5265.0, 5527.0, 5257.0, 5605.0, 5675.0, 5682.0, 5583.0, 5601.0, 5640.0, 5512.0, 5370.0, 5260.0, 5531.0, 5552.0, 5425.0, 5660.0, 5417.0, 5352.0, 5469.0, 5306.0, 5474.0, 5429.0, 5424.0, 5318.0, 5570.0, 5683.0, 5722.0, 5490.0, 5501.0, 5634.0, 5390.0, 5345.0, 5435.0, 5635.0, 5691.0, 5564.0, 5554.0, 5557.0, 5320.0, 5589.0, 5567.0, 5418.0, 5633.0, 5688.0, 5658.0, 5555.0, 5344.0, 5461.0, 5329.0, 5623.0, 5259.0, 5684.0, 5332.0, 5476.0, 5323.0, 5596.0, 5363.0, 5540.0, 5449.0, 5600.0, 5494.0, 5403.0, 5492.0, 5654.0, 5462.0, 5646.0, 5410.0, 5607.0, 5523.0, 5437.0, 5280.0, 5486.0, 5445.0, 5347.0, 5387.0, 5322.0, 5270.0, 5360.0, 5577.0, 5377.0, 5502.0, 5358.0 (number of hits: 5)
20	5510	9	1	333	1	5634.0, 5300.0, 5695.0, 5295.0, 5484.0, 5286.0, 5722.0, 5542.0, 5419.0, 5340.0, 5255.0, 5710.0, 5331.0, 5424.0, 5420.0, 5699.0, 5549.0, 5583.0, 5529.0, 5586.0, 5472.0, 5700.0, 5422.0, 5548.0, 5702.0, 5341.0, 5474.0, 5393.0, 5475.0, 5532.0, 5662.0, 5550.0, 5276.0, 5688.0, 5525.0, 5497.0, 5441.0, 5290.0, 5528.0, 5459.0, 5513.0, 5694.0, 5569.0, 5325.0, 5408.0,

						5392.0, 5463.0, 5285.0, 5507.0, 5442.0, 5636.0, 5659.0, 5665.0, 5669.0, 5266.0, 5604.0, 5641.0, 5430.0, 5553.0, 5685.0, 5656.0, 5386.0, 5332.0, 5334.0, 5524.0, 5646.0, 5271.0, 5622.0, 5364.0, 5551.0, 5405.0, 5359.0, 5270.0, 5555.0, 5305.0, 5399.0, 5407.0, 5624.0, 5416.0, 5445.0, 5675.0, 5493.0, 5454.0, 5491.0, 5378.0, 5288.0, 5676.0, 5389.0, 5349.0, 5363.0, 5451.0, 5339.0, 5425.0, 5350.0, 5703.0, 5369.0, 5564.0, 5673.0, 5403.0, 5427.0 (number of hits: 2)
21	5510	9	1	333	1	5627.0, 5324.0, 5423.0, 5384.0, 5521.0, 5651.0, 5518.0, 5432.0, 5391.0, 5282.0, 5409.0, 5602.0, 5716.0, 5610.0, 5549.0, 5568.0, 5672.0, 5664.0, 5709.0, 5636.0, 5599.0, 5493.0, 5460.0, 5536.0, 5261.0, 5404.0, 5307.0, 5285.0, 5542.0, 5650.0, 5459.0, 5541.0, 5623.0, 5363.0, 5522.0, 5477.0, 5368.0, 5579.0, 5451.0, 5723.0, 5529.0, 5586.0, 5356.0, 5387.0, 5257.0, 5645.0, 5444.0, 5377.0, 5647.0, 5366.0, 5714.0, 5569.0, 5293.0, 5306.0, 5484.0, 5351.0, 5260.0, 5445.0, 5316.0, 5526.0, 5640.0, 5491.0, 5626.0, 5488.0, 5668.0, 5326.0, 5633.0, 5717.0, 5416.0, 5571.0, 5415.0, 5698.0, 5309.0, 5418.0, 5516.0, 5354.0, 5358.0, 5632.0, 5328.0, 5680.0, 5492.0, 5648.0, 5428.0, 5691.0, 5454.0, 5687.0, 5437.0, 5508.0, 5297.0, 5434.0, 5256.0, 5699.0, 5705.0, 5482.0, 5548.0, 5296.0, 5511.0, 5379.0, 5294.0, 5553.0 (number of hits: 4)
22	5510	9	1	333	1	5493.0, 5372.0, 5609.0, 5713.0, 5680.0, 5641.0, 5451.0, 5568.0, 5349.0, 5724.0, 5252.0, 5564.0, 5419.0, 5494.0, 5666.0, 5625.0, 5391.0, 5504.0, 5430.0, 5534.0, 5267.0, 5378.0, 5361.0, 5476.0, 5618.0, 5417.0, 5529.0, 5481.0, 5462.0, 5651.0, 5374.0, 5483.0, 5424.0, 5281.0, 5690.0, 5661.0, 5368.0, 5380.0, 5408.0, 5573.0, 5306.0, 5255.0, 5403.0, 5669.0, 5677.0, 5665.0, 5353.0, 5627.0, 5613.0, 5386.0, 5320.0, 5505.0, 5333.0, 5411.0, 5707.0, 5642.0, 5399.0, 5603.0, 5313.0, 5626.0, 5360.0, 5448.0, 5250.0, 5394.0, 5418.0, 5576.0, 5657.0, 5693.0, 5574.0, 5381.0, 5549.0, 5312.0, 5348.0, 5406.0, 5362.0, 5507.0, 5314.0, 5366.0, 5315.0, 5700.0, 5615.0, 5656.0, 5686.0, 5511.0, 5384.0, 5405.0, 5468.0, 5307.0, 5602.0, 5377.0, 5584.0, 5401.0, 5563.0, 5628.0, 5482.0, 5530.0, 5558.0, 5409.0, 5639.0, 5257.0 (number of hits: 4)
23	5510	9	1	333	1	5346.0, 5518.0, 5519.0, 5269.0, 5414.0, 5374.0, 5580.0, 5706.0, 5591.0, 5608.0, 5275.0, 5644.0, 5454.0, 5670.0, 5408.0, 5297.0, 5620.0, 5451.0, 5489.0, 5533.0, 5696.0, 5496.0, 5415.0, 5717.0, 5665.0,

						5368.0, 5702.0, 5347.0, 5364.0, 5632.0, 5372.0, 5431.0, 5353.0, 5559.0, 5290.0, 5501.0, 5607.0, 5479.0, 5622.0, 5286.0, 5398.0, 5393.0, 5524.0, 5507.0, 5688.0, 5429.0, 5624.0, 5493.0, 5689.0, 5478.0, 5419.0, 5618.0, 5597.0, 5604.0, 5311.0, 5560.0, 5381.0, 5596.0, 5315.0, 5371.0, 5548.0, 5645.0, 5328.0, 5412.0, 5625.0, 5523.0, 5462.0, 5472.0, 5701.0, 5410.0, 5516.0, 5700.0, 5401.0, 5662.0, 5373.0, 5664.0, 5611.0, 5707.0, 5433.0, 5404.0, 5261.0, 5411.0, 5466.0, 5257.0, 5514.0, 5713.0, 5320.0, 5449.0, 5714.0, 5348.0, 5521.0, 5428.0, 5655.0, 5581.0, 5641.0, 5394.0, 5361.0, 5635.0, 5260.0, 5538.0 (number of hits: 6)
24	5510	9	1	333	1	5720.0, 5620.0, 5710.0, 5609.0, 5606.0, 5722.0, 5626.0, 5319.0, 5358.0, 5377.0, 5603.0, 5284.0, 5345.0, 5640.0, 5433.0, 5638.0, 5360.0, 5542.0, 5410.0, 5694.0, 5635.0, 5281.0, 5337.0, 5355.0, 5721.0, 5424.0, 5636.0, 5639.0, 5365.0, 5650.0, 5676.0, 5314.0, 5717.0, 5659.0, 5500.0, 5602.0, 5342.0, 5718.0, 5252.0, 5250.0, 5293.0, 5520.0, 5493.0, 5317.0, 5271.0, 5577.0, 5503.0, 5682.0, 5701.0, 5308.0, 5661.0, 5623.0, 5610.0, 5622.0, 5535.0, 5449.0, 5564.0, 5679.0, 5436.0, 5387.0, 5340.0, 5579.0, 5441.0, 5514.0, 5429.0, 5253.0, 5453.0, 5533.0, 5419.0, 5490.0, 5288.0, 5269.0, 5273.0, 5690.0, 5540.0, 5706.0, 5587.0, 5462.0, 5354.0, 5494.0, 5401.0, 5561.0, 5331.0, 5631.0, 5421.0, 5378.0, 5258.0, 5435.0, 5591.0, 5414.0, 5531.0, 5295.0, 5663.0, 5482.0, 5714.0, 5270.0, 5409.0, 5548.0, 5491.0, 5477.0 (number of hits: 3)
25	5510	9	1	333	1	5348.0, 5341.0, 5260.0, 5584.0, 5562.0, 5557.0, 5695.0, 5284.0, 5645.0, 5361.0, 5578.0, 5314.0, 5266.0, 5523.0, 5449.0, 5484.0, 5537.0, 5283.0, 5381.0, 5264.0, 5368.0, 5532.0, 5568.0, 5664.0, 5541.0, 5305.0, 5430.0, 5491.0, 5706.0, 5407.0, 5308.0, 5624.0, 5524.0, 5425.0, 5280.0, 5711.0, 5642.0, 5656.0, 5710.0, 5601.0, 5683.0, 5340.0, 5454.0, 5431.0, 5489.0, 5508.0, 5680.0, 5311.0, 5429.0, 5461.0, 5403.0, 5273.0, 5696.0, 5476.0, 5719.0, 5326.0, 5720.0, 5291.0, 5606.0, 5518.0, 5488.0, 5487.0, 5572.0, 5275.0, 5667.0, 5289.0, 5585.0, 5307.0, 5519.0, 5441.0, 5500.0, 5460.0, 5424.0, 5685.0, 5650.0, 5608.0, 5490.0, 5630.0, 5286.0, 5579.0, 5718.0, 5296.0, 5473.0, 5384.0, 5343.0, 5357.0, 5406.0, 5306.0, 5581.0, 5392.0, 5595.0, 5684.0, 5589.0, 5533.0, 5356.0, 5555.0, 5256.0, 5271.0, 5495.0, 5511.0 (number of hits: 5)
26	5510	9	1	333	1	5432.0, 5569.0, 5356.0, 5374.0, 5423.0,

						5260.0, 5384.0, 5703.0, 5685.0, 5312.0, 5466.0, 5453.0, 5659.0, 5511.0, 5360.0, 5709.0, 5705.0, 5692.0, 5336.0, 5537.0, 5631.0, 5389.0, 5310.0, 5598.0, 5307.0, 5686.0, 5549.0, 5479.0, 5623.0, 5272.0, 5574.0, 5542.0, 5700.0, 5559.0, 5371.0, 5695.0, 5632.0, 5463.0, 5355.0, 5528.0, 5494.0, 5681.0, 5375.0, 5380.0, 5262.0, 5588.0, 5331.0, 5496.0, 5651.0, 5702.0, 5493.0, 5576.0, 5491.0, 5382.0, 5568.0, 5455.0, 5508.0, 5285.0, 5372.0, 5530.0, 5711.0, 5636.0, 5325.0, 5489.0, 5573.0, 5441.0, 5450.0, 5533.0, 5583.0, 5405.0, 5608.0, 5675.0, 5604.0, 5408.0, 5492.0, 5404.0, 5442.0, 5365.0, 5346.0, 5469.0, 5655.0, 5268.0, 5638.0, 5577.0, 5363.0, 5311.0, 5416.0, 5719.0, 5538.0, 5388.0, 5443.0, 5606.0, 5717.0, 5278.0, 5600.0, 5478.0, 5687.0, 5550.0, 5430.0, 5522.0 (number of hits: 2)
27	5510	9	1	333	1	5597.0, 5461.0, 5494.0, 5622.0, 5509.0, 5284.0, 5624.0, 5332.0, 5520.0, 5675.0, 5517.0, 5434.0, 5605.0, 5617.0, 5320.0, 5608.0, 5458.0, 5301.0, 5396.0, 5407.0, 5678.0, 5346.0, 5607.0, 5502.0, 5700.0, 5370.0, 5368.0, 5413.0, 5591.0, 5324.0, 5373.0, 5425.0, 5570.0, 5360.0, 5445.0, 5534.0, 5414.0, 5489.0, 5554.0, 5578.0, 5307.0, 5463.0, 5582.0, 5250.0, 5343.0, 5361.0, 5459.0, 5649.0, 5460.0, 5487.0, 5532.0, 5491.0, 5580.0, 5583.0, 5474.0, 5444.0, 5556.0, 5652.0, 5416.0, 5688.0, 5539.0, 5442.0, 5288.0, 5510.0, 5359.0, 5352.0, 5639.0, 5363.0, 5441.0, 5635.0, 5334.0, 5599.0, 5602.0, 5306.0, 5653.0, 5654.0, 5471.0, 5689.0, 5680.0, 5409.0, 5351.0, 5674.0, 5262.0, 5546.0, 5536.0, 5265.0, 5630.0, 5369.0, 5545.0, 5503.0, 5437.0, 5715.0, 5293.0, 5606.0, 5327.0, 5643.0, 5453.0, 5659.0, 5292.0, 5595.0 (number of hits: 5)
28	5510	9	1	333	1	5658.0, 5472.0, 5584.0, 5271.0, 5630.0, 5496.0, 5619.0, 5456.0, 5604.0, 5608.0, 5270.0, 5386.0, 5398.0, 5654.0, 5680.0, 5498.0, 5618.0, 5589.0, 5591.0, 5698.0, 5292.0, 5424.0, 5356.0, 5620.0, 5682.0, 5417.0, 5694.0, 5254.0, 5623.0, 5557.0, 5409.0, 5566.0, 5489.0, 5487.0, 5383.0, 5519.0, 5547.0, 5295.0, 5570.0, 5473.0, 5712.0, 5396.0, 5717.0, 5440.0, 5337.0, 5435.0, 5302.0, 5276.0, 5257.0, 5494.0, 5602.0, 5423.0, 5625.0, 5278.0, 5260.0, 5388.0, 5563.0, 5279.0, 5683.0, 5304.0, 5289.0, 5450.0, 5562.0, 5389.0, 5339.0, 5578.0, 5528.0, 5723.0, 5354.0, 5269.0, 5659.0, 5382.0, 5704.0, 5392.0, 5637.0, 5429.0, 5451.0, 5662.0, 5507.0, 5251.0, 5408.0, 5645.0, 5699.0, 5415.0, 5710.0, 5669.0, 5520.0, 5284.0, 5307.0, 5603.0,

						5652.0, 5288.0, 5437.0, 5410.0, 5321.0, 5309.0, 5367.0, 5252.0, 5558.0, 5631.0 (number of hits: 2)
29	5510	9	1	333	1	5296.0, 5275.0, 5459.0, 5633.0, 5568.0, 5661.0, 5527.0, 5408.0, 5595.0, 5531.0, 5632.0, 5647.0, 5383.0, 5646.0, 5490.0, 5437.0, 5497.0, 5701.0, 5426.0, 5491.0, 5430.0, 5329.0, 5481.0, 5708.0, 5267.0, 5494.0, 5516.0, 5418.0, 5405.0, 5288.0, 5602.0, 5704.0, 5592.0, 5682.0, 5605.0, 5421.0, 5618.0, 5541.0, 5326.0, 5666.0, 5645.0, 5653.0, 5428.0, 5600.0, 5429.0, 5652.0, 5676.0, 5270.0, 5557.0, 5691.0, 5517.0, 5442.0, 5340.0, 5493.0, 5400.0, 5536.0, 5455.0, 5545.0, 5526.0, 5650.0, 5623.0, 5380.0, 5604.0, 5331.0, 5679.0, 5504.0, 5353.0, 5674.0, 5631.0, 5451.0, 5339.0, 5549.0, 5681.0, 5707.0, 5655.0, 5607.0, 5636.0, 5562.0, 5257.0, 5475.0, 5297.0, 5396.0, 5280.0, 5544.0, 5583.0, 5627.0, 5569.0, 5499.0, 5692.0, 5461.0, 5705.0, 5687.0, 5360.0, 5512.0, 5584.0, 5387.0, 5714.0, 5716.0, 5566.0, 5698.0 (number of hits: 4)
30	5510	9	1	333	1	5618.0, 5603.0, 5368.0, 5446.0, 5595.0, 5354.0, 5621.0, 5348.0, 5475.0, 5474.0, 5702.0, 5405.0, 5518.0, 5252.0, 5708.0, 5322.0, 5428.0, 5429.0, 5678.0, 5531.0, 5303.0, 5536.0, 5575.0, 5273.0, 5655.0, 5284.0, 5372.0, 5554.0, 5700.0, 5364.0, 5581.0, 5628.0, 5270.0, 5659.0, 5311.0, 5296.0, 5550.0, 5402.0, 5714.0, 5556.0, 5330.0, 5469.0, 5534.0, 5367.0, 5632.0, 5699.0, 5597.0, 5460.0, 5635.0, 5431.0, 5299.0, 5457.0, 5527.0, 5594.0, 5592.0, 5255.0, 5689.0, 5583.0, 5512.0, 5563.0, 5435.0, 5559.0, 5593.0, 5411.0, 5683.0, 5500.0, 5302.0, 5723.0, 5488.0, 5426.0, 5675.0, 5718.0, 5471.0, 5268.0, 5629.0, 5680.0, 5465.0, 5293.0, 5443.0, 5711.0, 5653.0, 5523.0, 5267.0, 5710.0, 5396.0, 5336.0, 5326.0, 5521.0, 5498.0, 5716.0, 5424.0, 5392.0, 5452.0, 5543.0, 5332.0, 5630.0, 5280.0, 5283.0, 5651.0, 5482.0 (number of hits: 3)

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:

5530 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	61	1	878	1
2	5530	68	1	778	1
3	5530	78	1	678	1
4	5530	18	1	3066	1
5	5530	59	1	898	1
6	5490	70	1	758	1
7	5490	102	1	518	1
8	5490	76	1	698	1
9	5490	72	1	738	1
10	5490	65	1	818	1
11	5570	57	1	938	1
12	5570	89	1	598	1
13	5570	95	1	558	1
14	5570	74	1	718	1
15	5570	81	1	658	1
16	5530	43	1	1235	1
17	5530	28	1	1943	1
18	5530	53	1	998	1
19	5530	62	1	861	1
20	5530	20	1	2756	1
21	5490	39	1	1363	1
22	5490	20	1	2647	1
23	5490	37	1	1430	1
24	5490	42	1	1269	1
25	5490	18	1	2984	1
26	5570	25	1	2194	1
27	5570	29	1	1835	1
28	5570	19	1	2778	1
29	5570	36	1	1471	1
30	5570	41	1	1306	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	23	3.7	176	1
2	5530	25	1.6	163	1
3	5530	25	1.1	220	1
4	5530	23	4.8	209	1
5	5530	23	4.4	222	1
6	5530	24	1	170	1
7	5530	23	2.7	154	1
8	5530	24	1.8	158	1
9	5530	24	1.7	220	1
10	5530	24	2.7	152	1
11	5490	29	2.9	220	1
12	5490	26	2.8	184	1
13	5490	27	2	198	1
14	5490	27	2.3	199	1
15	5490	27	3.1	162	1
16	5490	26	2.6	154	1
17	5490	29	4.1	188	1
18	5490	29	1.9	150	1
19	5490	28	2.4	168	1
20	5490	24	3.4	174	1
21	5570	25	4.2	220	1
22	5570	24	3.9	187	1
23	5570	27	1.4	225	1
24	5570	28	1.5	223	1
25	5570	27	3.7	191	1
26	5570	24	3.3	228	1
27	5570	29	4	195	1
28	5570	28	4.5	216	1
29	5570	27	1.9	173	1
30	5570	29	1.5	229	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	7	421	1
2	5530	17	8.4	273	1
3	5530	18	7.7	318	1
4	5530	16	9.7	212	1
5	5530	16	9.6	320	1
6	5530	18	6.9	228	1
7	5530	18	6	381	1
8	5530	18	8.7	419	1
9	5530	18	7.7	497	1
10	5530	17	9.9	234	1
11	5490	16	9.4	366	1
12	5490	16	6.2	302	1
13	5490	16	9.2	263	1
14	5490	16	6.4	460	1
15	5490	17	6.9	329	1
16	5490	18	7.3	433	1
17	5490	18	6.2	374	1
18	5490	16	7.4	387	1
19	5490	17	8.6	413	1
20	5490	17	7.4	304	1
21	5570	18	8.8	436	1
22	5570	17	8.6	496	1
23	5570	17	9.8	312	1
24	5570	18	7.9	227	1
25	5570	16	8.1	469	1
26	5570	18	9.7	383	1
27	5570	17	9	221	1
28	5570	16	7.2	410	1
29	5570	16	6.8	360	1
30	5570	18	7.3	312	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	13	12.4	263	1
2	5530	12	17.1	427	1
3	5530	15	15.2	281	1
4	5530	15	19.8	229	1
5	5530	14	18.1	436	1
6	5530	15	11.4	307	1
7	5530	14	12.9	418	1
8	5530	16	12.5	248	1
9	5530	16	14.7	431	1
10	5530	12	17.9	306	1
11	5490	13	15.1	299	1
12	5490	14	18	334	1
13	5490	12	18.4	418	1
14	5490	14	17.1	478	1
15	5490	13	17.3	383	1
16	5490	13	14.7	464	1
17	5490	13	12.1	459	1
18	5490	12	18.8	432	1
19	5490	13	11.6	357	1
20	5490	16	17	444	1
21	5570	14	11.4	404	1
22	5570	16	14.2	314	1
23	5570	13	19.1	216	1
24	5570	12	12.8	496	1
25	5570	13	15.1	251	1
26	5570	12	12.4	350	1
27	5570	12	13.6	280	1
28	5570	12	18.8	314	1
29	5570	16	16.9	425	1
30	5570	14	18	492	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	5497.8	1
12	5494.6	1
13	5496.6	1
14	5496.6	1
15	5498.6	1
16	5496.2	0
17	5498.6	1
18	5494.6	0
19	5493.4	1
20	5494.2	1
21	5566.6	1
22	5566.6	1
23	5562.2	1
24	5564.2	1
25	5562.2	1
26	5566.6	1
27	5561.8	1
28	5562.2	1
29	5567.0	1
30	5565.0	1
Detection Percentage: 93.3% (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	50.8	1147		0.365502	
1	2	12	92.7	1382		1.240146	
2	3	12	88.3	1646	1340	1.610152	
3	1	12	54.6			2.52894	
4	3	12	57.1	1102	1103	3.182686	
5	1	12	62.5			4.095697	
6	3	12	64.5	1611	1541	5.072006	
7	2	12	68	1080		5.900777	1
8	2	12	68.8	1980		6.009512	
9	1	12	70.7			7.439976	
10	1	12	58.1			7.789016	
11	1	12	96.8			8.467304	
12	3	12	64.9	1018	1390	9.692715	
13	2	12	88.9	1600		10.434953	
14	1	12	71.6			10.932532	
15	2	12	52.9	1741		11.382496	

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	94.1	1611	1534	0.184025	
1	3	14	94.9	1600	1696	1.544658	
2	2	14	73.1	1144		2.036167	
3	1	14	70.4			3.682669	
4	2	14	62.2	1979		4.056644	
5	1	14	72.8			5.13708	
6	3	14	80.1	1276	1644	6.203959	1
7	3	14	61.2	1511	1142	6.840015	
8	2	14	68.3	1736		7.791419	
9	2	14	56.4	1329		8.425924	
10	1	14	56.7			9.445958	
11	2	14	88.2	1379		11.018654	
12	2	14	50.7	1735		11.127888	

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	6	69.1	1493		0.296147	1
1	2	6	69.2	1913		1.638885	
2	2	6	67.8	1637		3.900811	
3	3	6	95.2	1318	1332	5.025198	
4	1	6	52			6.144174	
5	3	6	60.9	1919	1541	7.494063	
6	2	6	59.4	1586		9.00761	
7	3	6	84.3	1080	1632	10.290494	
8	2	6	87.4	1521		11.91381	

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	13	60.9	1167		1.107902	1
1	1	13	62.9			2.288014	
2	3	13	75.7	1543	1097	3.048965	
3	1	13	98.9			4.192079	
4	1	13	57.7			5.265777	
5	3	13	60.8	1419	1538	7.128208	
6	1	13	94.8			7.360096	
7	2	13	94.4	1946		8.937067	
8	2	13	74.1	1784		9.931883	
9	2	13	54.7	1757		11.288938	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	94.6	1899		0.522445	1
1	2	11	78.3	1398		1.15352	
2	2	11	69.2	1001		2.030379	
3	2	11	89.2	1023		2.789301	
4	2	11	50.2	1192		3.249519	
5	2	11	51.1	1699		4.134974	
6	1	11	96.5			5.439583	
7	1	11	66			5.776566	
8	2	11	82.3	1434		7.015517	
9	1	11	84.1			7.579385	
10	2	11	69.2	1371		8.358795	
11	2	11	78.3	1841		9.114463	
12	1	11	87.5			9.916334	
13	2	11	96.4	1160		10.808542	
14	3	11	95.2	1452	1735	11.809641	

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	6	53.7	1556		0.716039	1
1	2	6	89.4	1317		2.347545	
2	2	6	81.4	1246		2.712918	
3	2	6	75.8	1257		3.666694	
4	2	6	86.3	1676		5.94194	
5	2	6	71	1861		6.8727	
6	2	6	60.5	1452		8.097917	
7	3	6	78.8	1473	1386	9.267669	
8	1	6	66.8			9.945097	
9	2	6	70	1226		11.139194	

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	14	81.6	1887	1759	0.789701	1
1	2	14	92.6	1437		2.139661	
2	3	14	55.1	1310	1167	2.758554	
3	3	14	88.6	1848	1398	3.668102	
4	2	14	61.2	1396		5.971088	
5	1	14	96.7			6.583819	
6	3	14	69	1789	1339	7.428069	
7	3	14	63.6	1285	1708	9.217652	
8	1	14	97.4			9.770275	
9	2	14	99.3	1855		11.432315	

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	11	69.2			0.283371	1
1	3	11	78.8	1631	1083	1.326338	
2	2	11	93.4	1220		1.867157	
3	1	11	99.7			2.83338	
4	1	11	79.2			3.577095	
5	2	11	55.1	1974		4.754037	
6	3	11	96.1	1557	1161	5.923129	
7	3	11	86.1	1582	1187	6.333435	
8	1	11	78.6			7.709228	
9	3	11	91	1514	1318	8.108788	
10	2	11	70.1	1349		8.922912	
11	3	11	98.3	1974	1856	9.749464	
12	2	11	66.2	1663		10.727044	
13	2	11	70.5	1250		11.590735	

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	6	51	1185		0.250817	
1	2	6	76	1306		1.404379	
2	1	6	84			1.642077	
3	2	6	68.5	1204		2.710661	
4	3	6	59.7	1667	1797	3.650539	
5	1	6	76.9			4.087731	
6	1	6	56.2			5.114012	
7	3	6	61.1	1684	1483	6.352398	1
8	1	6	65.8			6.868251	
9	3	6	58.7	1513	1844	7.281526	
10	1	6	73			8.608742	
11	3	6	72.6	1943	1254	8.918594	
12	3	6	75.6	1745	1199	10.175657	
13	3	6	95.5	1084	1712	11.094625	
14	2	6	89.9	1869		11.967362	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	51.9	1407		0.223963	
1	2	15	64.6	1978		0.94918	
2	2	15	95.4	1269		2.133042	
3	2	15	52.2	1670		2.818584	
4	1	15	65.5			3.477373	
5	2	15	85.4	1062		4.049007	
6	1	15	83.8			5.293766	
7	1	15	70.5			6.037962	1
8	1	15	87.2			7.083156	
9	2	15	65.2	1632		7.336885	
10	3	15	95.1	1648	1488	8.263427	
11	1	15	85.5			9.587296	
12	2	15	76	1316		9.747464	
13	2	15	98.2	1048		11.006001	
14	2	15	77.1	1525		11.336579	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	90.1	1265	1545	0.060013	1
1	2	17	61.1	1546		0.863755	
2	2	17	67.3	1820		1.971041	
3	1	17	78.4			3.291382	
4	1	17	82.5			3.481443	
5	2	17	61.2	1165		5.070589	
6	1	17	83.6			5.677699	
7	2	17	79.4	1005		6.708528	
8	1	17	72.9			7.036728	
9	3	17	73.6	1646	1881	8.318252	
10	2	17	66.5	1136		8.986403	
11	2	17	85.5	1199		9.77885	
12	2	17	73.8	1017		10.902084	
13	2	17	55.1	1434		11.566596	

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	9	72.3			0.094296	1
1	2	9	73.7	1786		0.849211	
2	2	9	67.4	1362		1.916426	
3	1	9	80			2.202037	
4	2	9	83.9	1820		2.908111	
5	3	9	52.9	1636	1119	3.805205	
6	3	9	80	1742	1098	4.456528	
7	1	9	78.4			5.118135	
8	1	9	81.8			5.344538	
9	2	9	68.8	1563		6.290634	
10	2	9	75.7	1796		6.712558	
11	1	9	65.2			7.738129	
12	1	9	98.2			8.435905	
13	2	9	65.7	1139		9.024683	
14	3	9	76.1	1803	1536	9.520518	
15	3	9	70.2	1508	1298	10.05155	
16	1	9	62.2			10.768341	
17	2	9	54.1	1801		11.800829	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	74.1	1933	1443	0.226597	1
1	2	14	55.7	1970		0.909368	
2	3	14	68.2	1040	1126	1.750201	
3	3	14	76.9	1846	1918	2.165833	
4	3	14	69.4	1814	1971	2.901299	
5	3	14	59.9	1906	1342	3.369626	
6	3	14	72.2	1378	1298	4.230853	
7	1	14	98.2			4.988241	
8	3	14	69	1612	1062	5.781785	
9	2	14	53.8	1676		6.207304	
10	2	14	60.7	1846		6.997666	
11	2	14	53.5	1221		7.585	
12	1	14	79.8			8.065202	
13	2	14	90.2	1179		8.743249	
14	3	14	69.7	1877	1746	9.606422	
15	2	14	75	1394		10.188043	
16	2	14	58.4	1990		10.868421	
17	1	14	62.4			11.345461	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	51.2	1572		0.269371	1
1	3	14	88.6	1073	1357	0.751316	
2	1	14	59.7			1.569064	
3	1	14	80.3			2.31753	
4	3	14	73.9	1605	1130	3.347403	
5	3	14	56.4	1778	1868	4.133144	
6	3	14	52.9	1815	1325	5.07021	
7	2	14	88.6	1660		5.59425	
8	2	14	52.8	1015		6.017457	
9	3	14	83	1760	1685	7.213456	
10	2	14	57	1233		7.563272	
11	3	14	88.1	1285	1340	8.337048	
12	1	14	74.8			9.309293	
13	3	14	97.4	1998	1643	10.044844	
14	1	14	70.8			11.186696	
15	3	14	68.1	1390	1121	11.527651	

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	19	73.9	1297	1879	0.085233	1
1	1	19	54.6			1.498901	
2	1	19	92.8			2.342984	
3	2	19	62	1098		3.216492	
4	3	19	99.7	1509	1413	3.758664	
5	3	19	52.7	1146	1329	4.812525	
6	3	19	79.3	1032	1039	5.763191	
7	2	19	64	1159		6.711171	
8	2	19	87.6	1092		7.392538	
9	2	19	54.9	1189		8.604623	
10	1	19	65.6			9.359938	
11	1	19	91.3			10.242299	
12	1	19	77.2			11.257582	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	65.7	1907		1.001016	0
1	1	13	62.9			1.558916	
2	2	13	62.8	1417		2.770517	
3	3	13	68.5	1605	1563	4.321389	
4	2	13	64.8	1648		5.032215	
5	1	13	76.6			6.644552	
6	2	13	99.7	1324		8.217654	
7	3	13	69.8	1062	1990	9.138379	
8	3	13	73.9	1170	1366	10.313522	
9	1	13	88.4			11.196835	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	82.5	1095	1379	0.535797	1
1	3	19	65.6	1067	1797	1.252059	
2	1	19	84.4			1.674104	
3	2	19	72.4	1159		2.550322	
4	2	19	64.6	1059		3.817516	
5	2	19	83	1198		4.659948	
6	1	19	62.5			4.942353	
7	2	19	68.1	1688		5.760256	
8	1	19	70.6			6.922069	
9	2	19	96.5	1926		7.886767	
10	2	19	89.4	1336		8.382742	
11	3	19	65.9	1535	1663	9.097811	
12	1	19	99.7			10.125756	
13	3	19	92.3	1484	1040	10.545506	
14	2	19	89.3	1374		11.325465	

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	9	95.7	1787		0.682487	
1	2	9	81.9	1963		1.580149	
2	2	9	74.5	1557		2.543539	
3	1	9	99.1			3.59525	
4	2	9	63.3	1308		4.527476	
5	2	9	59.8	1266		5.700996	0
6	2	9	57.4	1021		7.02126	
7	3	9	76.1	1409	1729	7.949224	
8	2	9	95.6	1227		8.864121	
9	2	9	85.7	1338		10.098935	
10	2	9	72.4	1877		11.206947	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	68.3	1511	1959	0.063566	
1	2	6	80.8	1757		0.944114	
2	1	6	87.6			1.60301	
3	2	6	68.2	1107		2.57676	
4	1	6	69.4			3.698493	
5	1	6	74.9			4.043881	
6	2	6	73	1638		5.208518	
7	3	6	68.8	1418	1470	6.346884	1
8	2	6	86.6	1271		7.048885	
9	2	6	86	1550		7.697453	
10	3	6	82.5	1041	1568	8.158009	
11	3	6	58.6	1045	1889	9.215702	
12	3	6	60.1	1362	1921	10.362635	
13	3	6	83.8	1968	1432	11.051484	
14	3	6	55.2	1951	1812	11.791335	

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	8	52			0.687657	
1	1	8	58.3			1.301668	
2	2	8	62.6	1570		2.056356	
3	2	8	78.3	1843		2.694086	
4	2	8	77.1	1336		3.067626	
5	2	8	77.3	1929		4.224743	
6	2	8	94.1	1667		4.925514	
7	3	8	74.2	1378	1603	5.040778	
8	3	8	55.3	1132	1401	5.767347	1
9	1	8	60.3			6.384227	
10	2	8	62.2	1933		7.279828	
11	2	8	97.9	1551		8.053201	
12	2	8	55.8	1449		9.142142	
13	1	8	85.6			9.560863	
14	1	8	99.4			10.126471	
15	2	8	62.3	1442		11.074731	
16	3	8	93	1368	1422	11.600945	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	76.3	1908		0.494488	
1	2	6	60.2	1459		1.367597	
2	3	6	94.6	1382	1189	1.895207	
3	2	6	84.1	1567		2.884818	
4	2	6	65.9	1590		3.47204	
5	2	6	83	1617		4.004084	
6	2	6	78.5	1086		4.515346	
7	3	6	83.3	1983	1255	5.933934	
8	2	6	65	1059		6.719462	1
9	2	6	89.5	1344		7.30382	
10	3	6	89.3	1333	1934	7.502481	
11	2	6	82.5	1934		8.699121	
12	2	6	71.2	1992		9.459368	
13	2	6	66.2	1832		10.296642	
14	2	6	62.6	1960		11.085597	
15	3	6	76.6	1194	1566	11.943385	

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	6	60.6			0.684993	1
1	2	6	89	1244		1.464427	
2	1	6	50.6			2.509837	
3	2	6	61.4	1235		2.926936	
4	3	6	90.8	1185	1994	4.134852	
5	1	6	88.7			4.66865	
6	2	6	95.3	1858		5.391907	
7	2	6	54.2	1699		6.25465	
8	2	6	65.7	1237		7.243136	
9	2	6	97.9	1592		8.450841	
10	3	6	85.8	1471	1672	8.771752	
11	2	6	62.6	1411		9.851892	
12	1	6	54.8			10.76507	
13	2	6	87.7	1020		11.522897	

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	59.6	1637		0.55056	1
1	1	17	61.8			1.916749	
2	2	17	74.2	1294		3.10381	
3	2	17	77.8	1653		4.337415	
4	3	17	87.3	1067	1555	4.830294	
5	2	17	55.9	1413		5.522925	
6	2	17	74.3	1095		6.551828	
7	2	17	83.9	1603		8.687272	
8	2	17	98.2	1832		9.699017	
9	3	17	94.8	1373	1876	10.664207	
10	2	17	84.1	1048		11.842703	

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	61.5	1066		0.157542	
1	3	12	98.4	1124	1992	0.650756	
2	2	12	71.7	1193		1.67725	
3	2	12	79.5	1827		2.149637	
4	2	12	59.9	1471		2.609445	
5	3	12	76.7	1657	1813	3.486397	
6	2	12	66	1461		3.837799	
7	2	12	67.7	1412		4.685863	
8	1	12	97.4			5.427245	
9	2	12	81.8	1947		5.859048	1
10	1	12	87.3			6.687389	
11	2	12	67.2	1547		7.490838	
12	1	12	87.4			8.072096	
13	1	12	85			8.730622	
14	2	12	81.9	1926		8.988316	
15	2	12	97.4	1002		9.994538	
16	1	12	91.8			10.236106	
17	2	12	73.3	1540		11.042258	
18	1	12	82.7			11.491662	

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	17	82.5	1623		0.329013	1
1	2	17	60	1112		1.472536	
2	2	17	90.7	1372		1.526485	
3	3	17	99	1438	1461	2.415298	
4	2	17	89.5	1481		3.149578	
5	1	17	57.7			4.163175	
6	3	17	92.3	1396	1637	4.957324	
7	3	17	58.7	1455	1202	5.609965	
8	3	17	87.1	1308	1875	6.20097	
9	3	17	57.2	1966	1358	7.300433	
10	2	17	58.4	1015		8.107745	
11	3	17	68.8	1052	1437	8.945332	
12	2	17	67.9	1389		9.682871	
13	3	17	76.6	1815	1248	10.385765	
14	2	17	65.4	1922		10.940975	
15	2	17	90.1	1278		11.557283	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	74.4	1193		0.359489	
1	3	6	58.1	1336	1470	1.074943	
2	1	6	52			1.638665	
3	2	6	95.5	1838		2.13326	
4	3	6	70.9	1855	1175	2.818663	
5	2	6	78.7	1200		3.630925	
6	3	6	81.8	1673	1604	4.032146	
7	2	6	54.3	1700		5.033334	
8	1	6	70.7			5.142917	
9	2	6	83.9	1232		6.244589	1
10	2	6	83.1	1248		6.517993	
11	2	6	73.4	1916		7.240848	
12	2	6	98.1	1163		8.051085	
13	2	6	64.2	1740		8.598626	
14	2	6	64.2	1138		9.205312	
15	1	6	62.5			9.712414	
16	1	6	61.4			10.242789	
17	1	6	96.6			11.312957	
18	1	6	81			11.527054	

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	52.1	1980	1576	0.426427	1
1	2	18	77.4	1283		1.181119	
2	1	18	82.9			1.66362	
3	2	18	61.4	1299		2.367333	
4	2	18	98	1592		3.180207	
5	1	18	66.4			3.971736	
6	2	18	65.9	1820		4.575162	
7	2	18	51.4	1571		5.649346	
8	1	18	52.3			6.548528	
9	2	18	67	1072		6.780508	
10	2	18	67	1709		8.228763	
11	2	18	64.5	1094		8.287758	
12	2	18	74.3	1456		9.434458	
13	2	18	62.2	1828		9.897048	
14	1	18	96.8			11.210459	
15	2	18	66.6	1102		11.490339	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	85.8			0.627388	1
1	2	17	86.9	1225		1.574881	
2	2	17	54	1639		3.192589	
3	2	17	53.6	1211		4.038546	
4	3	17	88.9	1808	1599	5.35465	
5	3	17	54.6	1962	1974	5.528515	
6	2	17	67.5	1462		6.599101	
7	2	17	65.7	1104		8.304546	
8	2	17	57.2	1880		8.933304	
9	2	17	84	1947		10.32315	
10	2	17	90.2	1267		11.121722	

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	5	90.3	1868	1048	0.722677	1
1	2	5	50.2	1395		1.067534	
2	2	5	95	1657		2.558299	
3	1	5	95.4			3.379638	
4	1	5	71.7			3.436693	
5	1	5	60.4			4.572383	
6	3	5	97.2	1793	1815	5.975147	
7	2	5	52.5	1300		6.178665	
8	2	5	67.3	1847		7.517273	
9	2	5	75.5	1343		8.330051	
10	2	5	50.4	1974		9.417988	
11	3	5	94.9	1767	1298	9.707108	
12	2	5	77.7	1628		11.030064	
13	1	5	86			11.303491	

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	10	67.3	1062		0.658739	1
1	2	10	93.8	1245		2.528302	
2	3	10	84.3	1362	1082	2.997325	
3	2	10	96.8	1108		4.392829	
4	2	10	81	1350		5.700845	
5	3	10	81.1	1191	1003	7.322684	
6	2	10	69.5	1346		8.457675	
7	3	10	59.3	1305	1312	10.199288	
8	1	10	80.1			10.876266	

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	5354.0, 5404.0, 5396.0, 5707.0, 5533.0, 5412.0, 5480.0, 5663.0, 5278.0, 5448.0, 5301.0, 5598.0, 5464.0, 5361.0, 5343.0, 5637.0, 5595.0, 5585.0, 5349.0, 5331.0, 5545.0, 5259.0, 5716.0, 5427.0, 5724.0, 5449.0, 5355.0, 5703.0, 5500.0, 5557.0, 5506.0, 5584.0, 5335.0, 5277.0, 5253.0, 5275.0, 5304.0, 5548.0, 5460.0, 5419.0, 5603.0, 5296.0, 5262.0, 5691.0, 5308.0, 5458.0, 5679.0, 5272.0, 5485.0, 5425.0, 5574.0, 5640.0, 5675.0, 5539.0, 5300.0, 5356.0, 5374.0, 5380.0, 5641.0, 5487.0, 5526.0, 5720.0, 5379.0, 5699.0, 5615.0, 5531.0, 5462.0, 5690.0, 5722.0, 5297.0, 5678.0, 5313.0, 5279.0, 5318.0, 5536.0, 5405.0, 5706.0, 5263.0, 5435.0, 5604.0, 5588.0, 5478.0, 5689.0, 5350.0, 5395.0, 5618.0, 5390.0, 5714.0, 5566.0, 5325.0, 5443.0, 5649.0, 5291.0, 5648.0, 5659.0, 5353.0, 5415.0, 5302.0, 5316.0, 5561.0 (number of hits: 5)
2	5530	9	1	333	1	5417.0, 5263.0, 5449.0, 5708.0, 5512.0, 5686.0, 5625.0, 5594.0, 5717.0, 5343.0, 5646.0, 5419.0, 5700.0, 5326.0, 5514.0, 5507.0, 5277.0, 5446.0, 5575.0, 5496.0, 5623.0, 5271.0, 5523.0, 5504.0, 5341.0, 5431.0, 5637.0, 5616.0, 5566.0, 5361.0, 5275.0, 5313.0, 5513.0, 5670.0, 5334.0, 5319.0, 5396.0, 5486.0, 5506.0, 5318.0, 5604.0, 5291.0, 5378.0, 5581.0, 5283.0, 5633.0, 5451.0, 5528.0, 5462.0, 5330.0, 5463.0, 5254.0, 5576.0, 5438.0, 5591.0, 5654.0, 5531.0, 5376.0, 5297.0, 5293.0, 5440.0, 5367.0, 5656.0, 5340.0, 5702.0, 5353.0, 5315.0, 5722.0, 5532.0, 5454.0, 5481.0, 5430.0, 5525.0, 5692.0, 5470.0, 5407.0, 5644.0, 5371.0, 5652.0, 5356.0, 5559.0, 5535.0, 5282.0, 5442.0, 5303.0, 5660.0, 5398.0, 5682.0, 5414.0, 5445.0, 5578.0, 5693.0, 5264.0, 5710.0, 5645.0, 5473.0, 5373.0, 5499.0, 5698.0, 5302.0 (number of hits: 6)
3	5530	9	1	333	1	5357.0, 5666.0, 5539.0, 5703.0, 5348.0, 5328.0, 5421.0, 5325.0, 5431.0, 5385.0, 5273.0, 5426.0, 5525.0, 5605.0, 5556.0, 5559.0, 5432.0, 5541.0, 5300.0, 5523.0, 5543.0, 5580.0, 5621.0, 5594.0, 5364.0, 5391.0, 5469.0, 5360.0, 5452.0, 5416.0, 5721.0, 5333.0, 5577.0, 5587.0, 5437.0, 5257.0, 5446.0, 5558.0, 5267.0, 5344.0, 5503.0, 5256.0, 5302.0, 5380.0, 5588.0, 5509.0, 5535.0, 5345.0, 5445.0, 5626.0, 5347.0, 5495.0, 5687.0, 5433.0, 5694.0, 5474.0, 5301.0, 5392.0, 5375.0, 5315.0,

						5424.0, 5711.0, 5546.0, 5724.0, 5259.0, 5567.0, 5709.0, 5382.0, 5682.0, 5562.0, 5427.0, 5604.0, 5395.0, 5563.0, 5280.0, 5279.0, 5502.0, 5270.0, 5454.0, 5681.0, 5698.0, 5526.0, 5352.0, 5260.0, 5408.0, 5334.0, 5480.0, 5358.0, 5606.0, 5620.0, 5298.0, 5371.0, 5447.0, 5656.0, 5673.0, 5272.0, 5675.0, 5282.0, 5283.0, 5519.0 (number of hits: 5)
4	5530	9	1	333	1	5378.0, 5365.0, 5719.0, 5332.0, 5639.0, 5279.0, 5276.0, 5640.0, 5359.0, 5404.0, 5594.0, 5674.0, 5381.0, 5297.0, 5690.0, 5498.0, 5251.0, 5346.0, 5271.0, 5583.0, 5461.0, 5645.0, 5698.0, 5515.0, 5492.0, 5299.0, 5628.0, 5511.0, 5493.0, 5687.0, 5459.0, 5330.0, 5708.0, 5635.0, 5661.0, 5569.0, 5592.0, 5353.0, 5302.0, 5546.0, 5598.0, 5520.0, 5426.0, 5664.0, 5429.0, 5417.0, 5306.0, 5475.0, 5691.0, 5527.0, 5360.0, 5607.0, 5562.0, 5593.0, 5722.0, 5553.0, 5630.0, 5318.0, 5293.0, 5603.0, 5449.0, 5678.0, 5484.0, 5334.0, 5651.0, 5516.0, 5384.0, 5541.0, 5602.0, 5469.0, 5550.0, 5695.0, 5632.0, 5693.0, 5303.0, 5539.0, 5709.0, 5650.0, 5273.0, 5580.0, 5532.0, 5540.0, 5369.0, 5621.0, 5425.0, 5589.0, 5655.0, 5446.0, 5554.0, 5311.0, 5625.0, 5547.0, 5697.0, 5398.0, 5376.0, 5490.0, 5538.0, 5288.0, 5315.0, 5438.0 (number of hits: 5)
5	5530	9	1	333	1	5436.0, 5324.0, 5414.0, 5587.0, 5536.0, 5325.0, 5673.0, 5634.0, 5481.0, 5347.0, 5277.0, 5557.0, 5561.0, 5376.0, 5283.0, 5259.0, 5394.0, 5330.0, 5568.0, 5545.0, 5523.0, 5456.0, 5604.0, 5700.0, 5698.0, 5686.0, 5694.0, 5416.0, 5465.0, 5650.0, 5396.0, 5687.0, 5345.0, 5469.0, 5574.0, 5430.0, 5363.0, 5563.0, 5293.0, 5452.0, 5621.0, 5566.0, 5434.0, 5493.0, 5372.0, 5653.0, 5630.0, 5391.0, 5615.0, 5378.0, 5288.0, 5682.0, 5643.0, 5292.0, 5609.0, 5555.0, 5446.0, 5287.0, 5329.0, 5485.0, 5531.0, 5385.0, 5622.0, 5448.0, 5573.0, 5496.0, 5384.0, 5327.0, 5290.0, 5340.0, 5665.0, 5629.0, 5601.0, 5309.0, 5271.0, 5470.0, 5356.0, 5661.0, 5439.0, 5320.0, 5528.0, 5659.0, 5316.0, 5579.0, 5581.0, 5328.0, 5666.0, 5723.0, 5417.0, 5388.0, 5649.0, 5544.0, 5501.0, 5471.0, 5474.0, 5614.0, 5450.0, 5543.0, 5521.0, 5678.0 (number of hits: 5)
6	5530	9	1	333	1	5451.0, 5417.0, 5253.0, 5715.0, 5583.0, 5261.0, 5477.0, 5704.0, 5577.0, 5723.0, 5604.0, 5369.0, 5339.0, 5546.0, 5368.0, 5515.0, 5657.0, 5442.0, 5569.0, 5573.0, 5313.0, 5450.0, 5397.0, 5529.0, 5332.0, 5357.0, 5330.0, 5670.0, 5644.0, 5608.0, 5636.0, 5251.0, 5674.0, 5642.0, 5701.0, 5681.0, 5631.0, 5712.0, 5472.0, 5541.0,

						5437.0, 5374.0, 5659.0, 5545.0, 5453.0, 5705.0, 5601.0, 5567.0, 5280.0, 5464.0, 5581.0, 5309.0, 5692.0, 5408.0, 5531.0, 5526.0, 5553.0, 5291.0, 5425.0, 5403.0, 5419.0, 5430.0, 5356.0, 5415.0, 5600.0, 5298.0, 5542.0, 5544.0, 5274.0, 5496.0, 5278.0, 5405.0, 5344.0, 5343.0, 5615.0, 5310.0, 5443.0, 5490.0, 5708.0, 5488.0, 5538.0, 5424.0, 5387.0, 5666.0, 5315.0, 5337.0, 5578.0, 5497.0, 5476.0, 5548.0, 5724.0, 5485.0, 5286.0, 5284.0, 5584.0, 5341.0, 5565.0, 5660.0, 5516.0, 5466.0 (number of hits: 4)
7	5530	9	1	333	1	5548.0, 5654.0, 5545.0, 5489.0, 5493.0, 5254.0, 5584.0, 5340.0, 5632.0, 5715.0, 5568.0, 5263.0, 5576.0, 5616.0, 5259.0, 5550.0, 5688.0, 5627.0, 5661.0, 5604.0, 5343.0, 5295.0, 5308.0, 5693.0, 5421.0, 5444.0, 5261.0, 5415.0, 5577.0, 5294.0, 5449.0, 5256.0, 5517.0, 5372.0, 5506.0, 5511.0, 5437.0, 5695.0, 5684.0, 5398.0, 5460.0, 5696.0, 5555.0, 5606.0, 5607.0, 5488.0, 5350.0, 5327.0, 5314.0, 5296.0, 5537.0, 5679.0, 5640.0, 5564.0, 5697.0, 5702.0, 5542.0, 5582.0, 5342.0, 5563.0, 5451.0, 5651.0, 5318.0, 5613.0, 5292.0, 5539.0, 5428.0, 5500.0, 5360.0, 5691.0, 5411.0, 5653.0, 5445.0, 5617.0, 5666.0, 5534.0, 5439.0, 5472.0, 5438.0, 5599.0, 5638.0, 5538.0, 5301.0, 5635.0, 5353.0, 5390.0, 5622.0, 5507.0, 5328.0, 5271.0, 5722.0, 5689.0, 5347.0, 5287.0, 5723.0, 5532.0, 5346.0, 5719.0, 5357.0, 5407.0 (number of hits: 5)
8	5530	9	1	333	1	5320.0, 5460.0, 5584.0, 5543.0, 5679.0, 5677.0, 5265.0, 5522.0, 5716.0, 5694.0, 5675.0, 5581.0, 5352.0, 5327.0, 5455.0, 5285.0, 5723.0, 5289.0, 5461.0, 5441.0, 5348.0, 5452.0, 5548.0, 5290.0, 5314.0, 5617.0, 5267.0, 5458.0, 5691.0, 5720.0, 5629.0, 5454.0, 5698.0, 5309.0, 5628.0, 5713.0, 5544.0, 5371.0, 5499.0, 5445.0, 5483.0, 5508.0, 5532.0, 5600.0, 5262.0, 5362.0, 5641.0, 5699.0, 5440.0, 5695.0, 5306.0, 5395.0, 5608.0, 5467.0, 5610.0, 5497.0, 5451.0, 5469.0, 5598.0, 5717.0, 5664.0, 5360.0, 5256.0, 5330.0, 5703.0, 5540.0, 5702.0, 5365.0, 5557.0, 5615.0, 5477.0, 5704.0, 5542.0, 5361.0, 5535.0, 5690.0, 5342.0, 5329.0, 5418.0, 5511.0, 5650.0, 5343.0, 5572.0, 5396.0, 5275.0, 5479.0, 5476.0, 5594.0, 5291.0, 5273.0, 5353.0, 5475.0, 5369.0, 5341.0, 5387.0, 5591.0, 5575.0, 5666.0, 5325.0, 5521.0 (number of hits: 4)
9	5530	9	1	333	1	5466.0, 5445.0, 5453.0, 5547.0, 5432.0, 5399.0, 5717.0, 5504.0, 5346.0, 5585.0, 5662.0, 5262.0, 5576.0, 5263.0, 5478.0, 5635.0, 5256.0, 5251.0, 5390.0, 5439.0,

						5384.0, 5618.0, 5642.0, 5634.0, 5498.0, 5569.0, 5402.0, 5518.0, 5629.0, 5333.0, 5451.0, 5266.0, 5433.0, 5526.0, 5335.0, 5363.0, 5482.0, 5359.0, 5552.0, 5308.0, 5260.0, 5542.0, 5644.0, 5271.0, 5412.0, 5596.0, 5663.0, 5273.0, 5385.0, 5581.0, 5471.0, 5491.0, 5708.0, 5276.0, 5689.0, 5463.0, 5697.0, 5601.0, 5665.0, 5646.0, 5358.0, 5562.0, 5573.0, 5685.0, 5626.0, 5394.0, 5592.0, 5252.0, 5304.0, 5341.0, 5259.0, 5294.0, 5323.0, 5485.0, 5455.0, 5500.0, 5349.0, 5695.0, 5567.0, 5532.0, 5656.0, 5475.0, 5710.0, 5391.0, 5319.0, 5678.0, 5337.0, 5630.0, 5291.0, 5338.0, 5303.0, 5280.0, 5484.0, 5610.0, 5473.0, 5506.0, 5398.0, 5652.0, 5456.0, 5367.0 (number of hits: 2)
10	5530	9	1	333	1	5595.0, 5568.0, 5594.0, 5505.0, 5679.0, 5491.0, 5522.0, 5661.0, 5556.0, 5360.0, 5367.0, 5464.0, 5437.0, 5715.0, 5456.0, 5700.0, 5585.0, 5476.0, 5346.0, 5597.0, 5589.0, 5253.0, 5308.0, 5657.0, 5542.0, 5446.0, 5350.0, 5525.0, 5545.0, 5254.0, 5271.0, 5681.0, 5565.0, 5521.0, 5528.0, 5340.0, 5428.0, 5279.0, 5627.0, 5429.0, 5467.0, 5610.0, 5388.0, 5512.0, 5438.0, 5287.0, 5616.0, 5630.0, 5261.0, 5712.0, 5347.0, 5255.0, 5474.0, 5323.0, 5341.0, 5645.0, 5663.0, 5301.0, 5410.0, 5418.0, 5327.0, 5321.0, 5599.0, 5470.0, 5462.0, 5695.0, 5533.0, 5387.0, 5558.0, 5642.0, 5596.0, 5440.0, 5336.0, 5690.0, 5518.0, 5298.0, 5302.0, 5698.0, 5675.0, 5402.0, 5381.0, 5328.0, 5640.0, 5486.0, 5622.0, 5586.0, 5524.0, 5384.0, 5477.0, 5680.0, 5457.0, 5588.0, 5469.0, 5412.0, 5396.0, 5609.0, 5508.0, 5431.0, 5592.0, 5523.0 (number of hits: 7)
11	5530	9	1	333	1	5695.0, 5673.0, 5310.0, 5427.0, 5305.0, 5290.0, 5390.0, 5481.0, 5512.0, 5311.0, 5669.0, 5414.0, 5442.0, 5328.0, 5545.0, 5697.0, 5708.0, 5710.0, 5511.0, 5284.0, 5312.0, 5539.0, 5454.0, 5476.0, 5660.0, 5626.0, 5478.0, 5594.0, 5518.0, 5723.0, 5579.0, 5316.0, 5470.0, 5686.0, 5269.0, 5629.0, 5702.0, 5315.0, 5616.0, 5631.0, 5433.0, 5633.0, 5676.0, 5589.0, 5441.0, 5325.0, 5278.0, 5680.0, 5420.0, 5628.0, 5296.0, 5617.0, 5557.0, 5308.0, 5498.0, 5484.0, 5615.0, 5464.0, 5522.0, 5690.0, 5391.0, 5440.0, 5472.0, 5256.0, 5379.0, 5463.0, 5500.0, 5644.0, 5582.0, 5318.0, 5525.0, 5634.0, 5681.0, 5521.0, 5403.0, 5593.0, 5491.0, 5461.0, 5658.0, 5701.0, 5289.0, 5303.0, 5586.0, 5661.0, 5268.0, 5283.0, 5679.0, 5721.0, 5575.0, 5457.0, 5646.0, 5424.0, 5272.0, 5350.0, 5625.0, 5381.0, 5536.0, 5408.0, 5299.0, 5720.0 (number of hits: 5)

12	5530	9	1	333	1	5499.0, 5721.0, 5524.0, 5639.0, 5673.0, 5396.0, 5467.0, 5486.0, 5295.0, 5317.0, 5325.0, 5253.0, 5472.0, 5433.0, 5722.0, 5591.0, 5446.0, 5420.0, 5507.0, 5525.0, 5633.0, 5333.0, 5301.0, 5619.0, 5356.0, 5580.0, 5498.0, 5382.0, 5272.0, 5523.0, 5448.0, 5666.0, 5258.0, 5694.0, 5275.0, 5606.0, 5456.0, 5286.0, 5718.0, 5683.0, 5658.0, 5377.0, 5411.0, 5292.0, 5632.0, 5543.0, 5320.0, 5399.0, 5250.0, 5693.0, 5680.0, 5316.0, 5506.0, 5438.0, 5261.0, 5594.0, 5251.0, 5348.0, 5567.0, 5466.0, 5621.0, 5475.0, 5578.0, 5308.0, 5611.0, 5440.0, 5441.0, 5651.0, 5650.0, 5358.0, 5515.0, 5677.0, 5710.0, 5493.0, 5435.0, 5342.0, 5713.0, 5364.0, 5602.0, 5260.0, 5380.0, 5482.0, 5299.0, 5645.0, 5429.0, 5521.0, 5628.0, 5417.0, 5569.0, 5689.0, 5642.0, 5654.0, 5367.0, 5636.0, 5653.0, 5415.0, 5698.0, 5644.0, 5388.0, 5357.0 (number of hits: 4)
13	5530	9	1	333	1	5558.0, 5324.0, 5403.0, 5396.0, 5695.0, 5688.0, 5512.0, 5417.0, 5698.0, 5473.0, 5712.0, 5268.0, 5466.0, 5654.0, 5524.0, 5313.0, 5626.0, 5470.0, 5522.0, 5252.0, 5721.0, 5399.0, 5274.0, 5690.0, 5309.0, 5320.0, 5595.0, 5424.0, 5676.0, 5661.0, 5284.0, 5397.0, 5708.0, 5469.0, 5714.0, 5681.0, 5443.0, 5383.0, 5711.0, 5323.0, 5574.0, 5283.0, 5658.0, 5509.0, 5642.0, 5573.0, 5640.0, 5355.0, 5272.0, 5499.0, 5446.0, 5253.0, 5390.0, 5508.0, 5670.0, 5250.0, 5647.0, 5582.0, 5555.0, 5718.0, 5494.0, 5294.0, 5419.0, 5683.0, 5700.0, 5648.0, 5412.0, 5691.0, 5652.0, 5491.0, 5565.0, 5266.0, 5474.0, 5557.0, 5674.0, 5433.0, 5459.0, 5601.0, 5480.0, 5633.0, 5430.0, 5705.0, 5487.0, 5534.0, 5375.0, 5520.0, 5277.0, 5546.0, 5254.0, 5537.0, 5636.0, 5340.0, 5423.0, 5420.0, 5542.0, 5449.0, 5314.0, 5653.0, 5407.0, 5706.0 (number of hits: 5)
14	5530	9	1	333	1	5273.0, 5461.0, 5562.0, 5588.0, 5475.0, 5636.0, 5478.0, 5568.0, 5569.0, 5315.0, 5510.0, 5602.0, 5473.0, 5284.0, 5308.0, 5508.0, 5466.0, 5675.0, 5358.0, 5660.0, 5265.0, 5720.0, 5586.0, 5320.0, 5528.0, 5258.0, 5328.0, 5524.0, 5645.0, 5572.0, 5322.0, 5577.0, 5264.0, 5550.0, 5300.0, 5366.0, 5433.0, 5425.0, 5625.0, 5409.0, 5482.0, 5401.0, 5483.0, 5420.0, 5464.0, 5651.0, 5332.0, 5665.0, 5672.0, 5691.0, 5554.0, 5444.0, 5555.0, 5459.0, 5305.0, 5268.0, 5699.0, 5504.0, 5316.0, 5382.0, 5370.0, 5302.0, 5474.0, 5406.0, 5336.0, 5610.0, 5463.0, 5690.0, 5270.0, 5641.0, 5608.0, 5323.0, 5255.0, 5450.0, 5520.0, 5405.0, 5283.0, 5714.0, 5540.0, 5402.0, 5696.0, 5435.0, 5429.0, 5678.0, 5307.0,

						5556.0, 5417.0, 5340.0, 5355.0, 5658.0, 5393.0, 5581.0, 5469.0, 5492.0, 5311.0, 5670.0, 5380.0, 5613.0, 5495.0, 5615.0 (number of hits: 3)
15	5530	9	1	333	1	5674.0, 5435.0, 5646.0, 5652.0, 5281.0, 5665.0, 5600.0, 5517.0, 5458.0, 5578.0, 5273.0, 5486.0, 5673.0, 5712.0, 5551.0, 5557.0, 5309.0, 5629.0, 5526.0, 5323.0, 5593.0, 5541.0, 5253.0, 5473.0, 5628.0, 5454.0, 5256.0, 5483.0, 5567.0, 5476.0, 5495.0, 5481.0, 5529.0, 5509.0, 5558.0, 5466.0, 5640.0, 5709.0, 5494.0, 5344.0, 5584.0, 5282.0, 5392.0, 5437.0, 5274.0, 5684.0, 5519.0, 5614.0, 5490.0, 5319.0, 5467.0, 5587.0, 5722.0, 5346.0, 5340.0, 5418.0, 5705.0, 5488.0, 5439.0, 5289.0, 5533.0, 5671.0, 5299.0, 5329.0, 5405.0, 5550.0, 5348.0, 5658.0, 5635.0, 5503.0, 5478.0, 5404.0, 5409.0, 5385.0, 5504.0, 5371.0, 5644.0, 5290.0, 5707.0, 5497.0, 5352.0, 5403.0, 5719.0, 5715.0, 5538.0, 5678.0, 5579.0, 5301.0, 5620.0, 5254.0, 5312.0, 5314.0, 5252.0, 5683.0, 5540.0, 5556.0, 5653.0, 5425.0, 5569.0, 5604.0 (number of hits: 4)
16	5530	9	1	333	1	5474.0, 5511.0, 5392.0, 5674.0, 5429.0, 5522.0, 5307.0, 5471.0, 5287.0, 5648.0, 5640.0, 5266.0, 5300.0, 5320.0, 5632.0, 5525.0, 5323.0, 5322.0, 5657.0, 5260.0, 5706.0, 5498.0, 5422.0, 5484.0, 5492.0, 5563.0, 5628.0, 5273.0, 5609.0, 5658.0, 5301.0, 5272.0, 5534.0, 5533.0, 5544.0, 5279.0, 5659.0, 5508.0, 5555.0, 5488.0, 5414.0, 5603.0, 5442.0, 5690.0, 5583.0, 5688.0, 5426.0, 5409.0, 5353.0, 5391.0, 5717.0, 5330.0, 5296.0, 5598.0, 5714.0, 5537.0, 5667.0, 5416.0, 5404.0, 5425.0, 5701.0, 5413.0, 5567.0, 5703.0, 5676.0, 5600.0, 5460.0, 5612.0, 5570.0, 5634.0, 5704.0, 5428.0, 5399.0, 5264.0, 5547.0, 5530.0, 5318.0, 5604.0, 5486.0, 5548.0, 5516.0, 5683.0, 5643.0, 5655.0, 5691.0, 5581.0, 5582.0, 5569.0, 5291.0, 5336.0, 5722.0, 5435.0, 5436.0, 5250.0, 5406.0, 5694.0, 5269.0, 5342.0, 5482.0, 5520.0 (number of hits: 7)
17	5530	9	1	333	1	5336.0, 5391.0, 5641.0, 5297.0, 5570.0, 5407.0, 5321.0, 5682.0, 5662.0, 5605.0, 5386.0, 5466.0, 5255.0, 5649.0, 5671.0, 5497.0, 5350.0, 5524.0, 5426.0, 5541.0, 5632.0, 5647.0, 5469.0, 5545.0, 5424.0, 5582.0, 5328.0, 5540.0, 5691.0, 5714.0, 5600.0, 5435.0, 5489.0, 5308.0, 5402.0, 5569.0, 5310.0, 5723.0, 5431.0, 5366.0, 5625.0, 5456.0, 5688.0, 5721.0, 5704.0, 5368.0, 5590.0, 5441.0, 5583.0, 5694.0, 5454.0, 5602.0, 5301.0, 5670.0, 5450.0, 5270.0, 5390.0, 5708.0, 5638.0, 5505.0, 5715.0, 5627.0, 5271.0, 5667.0, 5546.0,

						5408.0, 5387.0, 5423.0, 5434.0, 5323.0, 5341.0, 5296.0, 5578.0, 5410.0, 5519.0, 5692.0, 5393.0, 5357.0, 5268.0, 5595.0, 5693.0, 5533.0, 5377.0, 5528.0, 5580.0, 5470.0, 5539.0, 5337.0, 5382.0, 5353.0, 5345.0, 5442.0, 5342.0, 5331.0, 5259.0, 5275.0, 5281.0, 5384.0, 5522.0, 5468.0 (number of hits: 5)
18	5530	9	1	333	1	5255.0, 5548.0, 5516.0, 5282.0, 5716.0, 5702.0, 5550.0, 5704.0, 5709.0, 5386.0, 5688.0, 5474.0, 5540.0, 5576.0, 5590.0, 5391.0, 5478.0, 5610.0, 5406.0, 5687.0, 5280.0, 5538.0, 5395.0, 5290.0, 5628.0, 5586.0, 5711.0, 5402.0, 5692.0, 5557.0, 5543.0, 5314.0, 5312.0, 5581.0, 5454.0, 5657.0, 5525.0, 5591.0, 5580.0, 5287.0, 5313.0, 5447.0, 5440.0, 5670.0, 5544.0, 5666.0, 5266.0, 5723.0, 5676.0, 5661.0, 5274.0, 5476.0, 5593.0, 5405.0, 5698.0, 5638.0, 5415.0, 5559.0, 5569.0, 5388.0, 5627.0, 5497.0, 5632.0, 5541.0, 5334.0, 5437.0, 5392.0, 5347.0, 5664.0, 5311.0, 5419.0, 5409.0, 5360.0, 5296.0, 5552.0, 5377.0, 5614.0, 5650.0, 5562.0, 5626.0, 5597.0, 5399.0, 5257.0, 5615.0, 5456.0, 5718.0, 5524.0, 5523.0, 5533.0, 5504.0, 5682.0, 5432.0, 5444.0, 5619.0, 5706.0, 5613.0, 5272.0, 5363.0, 5261.0, 5653.0 (number of hits: 5)
19	5530	9	1	333	1	5474.0, 5400.0, 5361.0, 5278.0, 5289.0, 5678.0, 5696.0, 5279.0, 5426.0, 5484.0, 5566.0, 5694.0, 5674.0, 5356.0, 5271.0, 5574.0, 5338.0, 5409.0, 5716.0, 5604.0, 5421.0, 5586.0, 5649.0, 5295.0, 5640.0, 5296.0, 5388.0, 5423.0, 5664.0, 5627.0, 5655.0, 5363.0, 5572.0, 5511.0, 5718.0, 5355.0, 5457.0, 5469.0, 5635.0, 5284.0, 5717.0, 5416.0, 5643.0, 5545.0, 5596.0, 5302.0, 5552.0, 5443.0, 5683.0, 5667.0, 5595.0, 5713.0, 5478.0, 5569.0, 5540.0, 5618.0, 5594.0, 5490.0, 5701.0, 5340.0, 5527.0, 5303.0, 5709.0, 5501.0, 5370.0, 5602.0, 5337.0, 5605.0, 5592.0, 5405.0, 5631.0, 5689.0, 5250.0, 5487.0, 5428.0, 5659.0, 5403.0, 5711.0, 5614.0, 5503.0, 5310.0, 5549.0, 5420.0, 5475.0, 5349.0, 5504.0, 5449.0, 5560.0, 5290.0, 5311.0, 5345.0, 5636.0, 5427.0, 5530.0, 5559.0, 5705.0, 5417.0, 5706.0, 5525.0, 5324.0 (number of hits: 3)
20	5530	9	1	333	1	5467.0, 5521.0, 5385.0, 5350.0, 5423.0, 5415.0, 5260.0, 5330.0, 5613.0, 5579.0, 5483.0, 5637.0, 5396.0, 5304.0, 5452.0, 5541.0, 5458.0, 5293.0, 5292.0, 5386.0, 5349.0, 5685.0, 5689.0, 5464.0, 5573.0, 5424.0, 5587.0, 5474.0, 5338.0, 5319.0, 5254.0, 5455.0, 5443.0, 5388.0, 5382.0, 5258.0, 5679.0, 5449.0, 5439.0, 5723.0, 5342.0, 5546.0, 5645.0, 5647.0, 5623.0,

						5380.0, 5717.0, 5377.0, 5595.0, 5353.0, 5618.0, 5662.0, 5508.0, 5472.0, 5485.0, 5597.0, 5488.0, 5604.0, 5506.0, 5626.0, 5678.0, 5479.0, 5557.0, 5265.0, 5463.0, 5617.0, 5315.0, 5268.0, 5551.0, 5414.0, 5653.0, 5253.0, 5523.0, 5263.0, 5408.0, 5300.0, 5383.0, 5446.0, 5486.0, 5400.0, 5331.0, 5390.0, 5466.0, 5497.0, 5683.0, 5664.0, 5273.0, 5672.0, 5374.0, 5481.0, 5301.0, 5547.0, 5256.0, 5398.0, 5344.0, 5306.0, 5498.0, 5601.0, 5286.0, 5576.0 (number of hits: 2)
21	5530	9	1	333	1	5374.0, 5341.0, 5443.0, 5368.0, 5438.0, 5445.0, 5398.0, 5577.0, 5653.0, 5430.0, 5592.0, 5624.0, 5371.0, 5432.0, 5723.0, 5309.0, 5620.0, 5615.0, 5446.0, 5552.0, 5531.0, 5366.0, 5703.0, 5321.0, 5578.0, 5630.0, 5390.0, 5701.0, 5523.0, 5475.0, 5493.0, 5544.0, 5483.0, 5682.0, 5257.0, 5699.0, 5473.0, 5404.0, 5543.0, 5410.0, 5487.0, 5397.0, 5313.0, 5339.0, 5664.0, 5600.0, 5340.0, 5323.0, 5348.0, 5529.0, 5304.0, 5574.0, 5355.0, 5555.0, 5367.0, 5275.0, 5538.0, 5700.0, 5644.0, 5625.0, 5325.0, 5466.0, 5641.0, 5327.0, 5283.0, 5586.0, 5261.0, 5301.0, 5557.0, 5416.0, 5315.0, 5721.0, 5412.0, 5622.0, 5322.0, 5281.0, 5680.0, 5520.0, 5394.0, 5333.0, 5426.0, 5489.0, 5670.0, 5433.0, 5525.0, 5364.0, 5548.0, 5638.0, 5579.0, 5530.0, 5338.0, 5677.0, 5402.0, 5673.0, 5560.0, 5562.0, 5611.0, 5621.0, 5292.0, 5570.0 (number of hits: 7)
22	5530	9	1	333	1	5381.0, 5391.0, 5527.0, 5282.0, 5383.0, 5287.0, 5592.0, 5401.0, 5663.0, 5497.0, 5548.0, 5285.0, 5580.0, 5668.0, 5584.0, 5468.0, 5555.0, 5479.0, 5621.0, 5398.0, 5722.0, 5356.0, 5420.0, 5408.0, 5628.0, 5372.0, 5365.0, 5328.0, 5495.0, 5320.0, 5518.0, 5251.0, 5354.0, 5662.0, 5657.0, 5723.0, 5513.0, 5672.0, 5341.0, 5467.0, 5347.0, 5254.0, 5379.0, 5673.0, 5400.0, 5396.0, 5440.0, 5270.0, 5393.0, 5430.0, 5360.0, 5583.0, 5652.0, 5569.0, 5667.0, 5715.0, 5380.0, 5541.0, 5333.0, 5465.0, 5649.0, 5283.0, 5631.0, 5559.0, 5686.0, 5556.0, 5407.0, 5471.0, 5438.0, 5550.0, 5433.0, 5576.0, 5719.0, 5640.0, 5634.0, 5669.0, 5355.0, 5525.0, 5643.0, 5716.0, 5623.0, 5262.0, 5553.0, 5269.0, 5598.0, 5434.0, 5710.0, 5700.0, 5336.0, 5412.0, 5452.0, 5303.0, 5350.0, 5582.0, 5421.0, 5431.0, 5338.0, 5487.0, 5632.0, 5626.0 (number of hits: 2)
23	5530	9	1	333	1	5457.0, 5394.0, 5362.0, 5479.0, 5385.0, 5474.0, 5383.0, 5561.0, 5405.0, 5273.0, 5677.0, 5718.0, 5476.0, 5340.0, 5375.0, 5390.0, 5614.0, 5536.0, 5316.0, 5467.0, 5713.0, 5449.0, 5297.0, 5662.0, 5312.0,

						5612.0, 5397.0, 5288.0, 5342.0, 5520.0, 5657.0, 5617.0, 5462.0, 5289.0, 5697.0, 5291.0, 5580.0, 5259.0, 5712.0, 5692.0, 5459.0, 5545.0, 5550.0, 5669.0, 5295.0, 5646.0, 5584.0, 5263.0, 5636.0, 5650.0, 5628.0, 5708.0, 5590.0, 5320.0, 5389.0, 5522.0, 5665.0, 5425.0, 5638.0, 5415.0, 5498.0, 5424.0, 5392.0, 5505.0, 5468.0, 5365.0, 5622.0, 5387.0, 5696.0, 5282.0, 5352.0, 5378.0, 5616.0, 5357.0, 5493.0, 5346.0, 5675.0, 5326.0, 5443.0, 5446.0, 5417.0, 5429.0, 5266.0, 5436.0, 5306.0, 5364.0, 5684.0, 5643.0, 5317.0, 5664.0, 5691.0, 5460.0, 5494.0, 5680.0, 5569.0, 5262.0, 5531.0, 5581.0, 5260.0, 5485.0 (number of hits: 4)
24	5530	9	1	333	1	5381.0, 5270.0, 5297.0, 5651.0, 5315.0, 5268.0, 5259.0, 5603.0, 5282.0, 5712.0, 5444.0, 5487.0, 5456.0, 5542.0, 5472.0, 5679.0, 5434.0, 5513.0, 5634.0, 5447.0, 5476.0, 5280.0, 5404.0, 5655.0, 5254.0, 5258.0, 5501.0, 5721.0, 5276.0, 5571.0, 5625.0, 5685.0, 5440.0, 5386.0, 5570.0, 5299.0, 5284.0, 5713.0, 5687.0, 5615.0, 5557.0, 5692.0, 5437.0, 5524.0, 5310.0, 5627.0, 5459.0, 5636.0, 5353.0, 5406.0, 5550.0, 5558.0, 5648.0, 5274.0, 5560.0, 5337.0, 5336.0, 5432.0, 5718.0, 5448.0, 5695.0, 5455.0, 5339.0, 5653.0, 5377.0, 5547.0, 5480.0, 5697.0, 5671.0, 5445.0, 5601.0, 5474.0, 5261.0, 5420.0, 5555.0, 5466.0, 5357.0, 5551.0, 5417.0, 5658.0, 5645.0, 5463.0, 5640.0, 5324.0, 5457.0, 5266.0, 5346.0, 5486.0, 5364.0, 5674.0, 5708.0, 5316.0, 5537.0, 5273.0, 5494.0, 5608.0, 5503.0, 5530.0, 5473.0, 5296.0 (number of hits: 3)
25	5530	9	1	333	1	5336.0, 5658.0, 5707.0, 5443.0, 5459.0, 5313.0, 5358.0, 5653.0, 5566.0, 5390.0, 5419.0, 5696.0, 5655.0, 5440.0, 5374.0, 5261.0, 5652.0, 5605.0, 5329.0, 5298.0, 5460.0, 5573.0, 5391.0, 5626.0, 5426.0, 5409.0, 5612.0, 5352.0, 5289.0, 5500.0, 5370.0, 5668.0, 5699.0, 5282.0, 5285.0, 5379.0, 5288.0, 5603.0, 5481.0, 5327.0, 5531.0, 5701.0, 5559.0, 5662.0, 5395.0, 5534.0, 5325.0, 5448.0, 5270.0, 5606.0, 5453.0, 5343.0, 5551.0, 5525.0, 5253.0, 5484.0, 5663.0, 5340.0, 5345.0, 5299.0, 5266.0, 5526.0, 5438.0, 5388.0, 5457.0, 5430.0, 5479.0, 5489.0, 5252.0, 5316.0, 5425.0, 5688.0, 5492.0, 5312.0, 5698.0, 5630.0, 5718.0, 5577.0, 5334.0, 5540.0, 5496.0, 5499.0, 5294.0, 5386.0, 5469.0, 5511.0, 5520.0, 5648.0, 5593.0, 5423.0, 5421.0, 5344.0, 5318.0, 5678.0, 5281.0, 5719.0, 5697.0, 5517.0, 5271.0, 5456.0 (number of hits: 5)
26	5530	9	1	333	1	5276.0, 5596.0, 5633.0, 5403.0, 5337.0,

						5442.0, 5412.0, 5267.0, 5327.0, 5598.0, 5402.0, 5458.0, 5463.0, 5565.0, 5265.0, 5658.0, 5446.0, 5332.0, 5287.0, 5521.0, 5702.0, 5416.0, 5475.0, 5644.0, 5488.0, 5575.0, 5305.0, 5693.0, 5272.0, 5447.0, 5567.0, 5480.0, 5705.0, 5346.0, 5604.0, 5372.0, 5706.0, 5719.0, 5266.0, 5257.0, 5534.0, 5553.0, 5378.0, 5613.0, 5628.0, 5401.0, 5277.0, 5501.0, 5389.0, 5498.0, 5461.0, 5650.0, 5495.0, 5320.0, 5250.0, 5397.0, 5606.0, 5641.0, 5451.0, 5620.0, 5707.0, 5478.0, 5398.0, 5362.0, 5352.0, 5392.0, 5670.0, 5704.0, 5720.0, 5717.0, 5450.0, 5503.0, 5303.0, 5682.0, 5296.0, 5607.0, 5515.0, 5514.0, 5537.0, 5708.0, 5404.0, 5382.0, 5322.0, 5314.0, 5538.0, 5684.0, 5342.0, 5622.0, 5476.0, 5445.0, 5448.0, 5625.0, 5301.0, 5269.0, 5465.0, 5580.0, 5619.0, 5259.0, 5275.0, 5663.0 (number of hits: 4)
27	5530	9	1	333	1	5429.0, 5379.0, 5485.0, 5530.0, 5591.0, 5659.0, 5566.0, 5626.0, 5481.0, 5546.0, 5698.0, 5444.0, 5314.0, 5253.0, 5613.0, 5503.0, 5556.0, 5458.0, 5540.0, 5365.0, 5414.0, 5474.0, 5306.0, 5692.0, 5338.0, 5411.0, 5291.0, 5664.0, 5551.0, 5284.0, 5477.0, 5272.0, 5368.0, 5684.0, 5514.0, 5587.0, 5491.0, 5447.0, 5343.0, 5569.0, 5420.0, 5504.0, 5394.0, 5644.0, 5641.0, 5686.0, 5427.0, 5704.0, 5363.0, 5290.0, 5486.0, 5714.0, 5457.0, 5454.0, 5633.0, 5573.0, 5680.0, 5396.0, 5260.0, 5579.0, 5466.0, 5585.0, 5602.0, 5345.0, 5706.0, 5281.0, 5583.0, 5354.0, 5560.0, 5264.0, 5621.0, 5309.0, 5252.0, 5389.0, 5629.0, 5259.0, 5273.0, 5398.0, 5473.0, 5618.0, 5423.0, 5355.0, 5648.0, 5678.0, 5575.0, 5711.0, 5558.0, 5667.0, 5349.0, 5580.0, 5625.0, 5340.0, 5709.0, 5382.0, 5651.0, 5287.0, 5372.0, 5544.0, 5531.0, 5634.0 (number of hits: 2)
28	5530	9	1	333	1	5687.0, 5456.0, 5631.0, 5562.0, 5392.0, 5338.0, 5709.0, 5689.0, 5323.0, 5693.0, 5594.0, 5589.0, 5656.0, 5320.0, 5557.0, 5301.0, 5463.0, 5653.0, 5468.0, 5417.0, 5615.0, 5578.0, 5370.0, 5600.0, 5475.0, 5659.0, 5477.0, 5582.0, 5348.0, 5622.0, 5454.0, 5493.0, 5343.0, 5677.0, 5719.0, 5535.0, 5654.0, 5516.0, 5672.0, 5484.0, 5376.0, 5490.0, 5292.0, 5657.0, 5255.0, 5433.0, 5564.0, 5681.0, 5413.0, 5563.0, 5686.0, 5569.0, 5447.0, 5373.0, 5520.0, 5374.0, 5531.0, 5317.0, 5335.0, 5700.0, 5293.0, 5639.0, 5300.0, 5275.0, 5495.0, 5345.0, 5424.0, 5440.0, 5710.0, 5708.0, 5409.0, 5541.0, 5644.0, 5524.0, 5602.0, 5601.0, 5270.0, 5351.0, 5515.0, 5587.0, 5464.0, 5550.0, 5537.0, 5625.0, 5643.0, 5560.0, 5640.0, 5711.0, 5549.0, 5332.0,

						5607.0, 5439.0, 5296.0, 5279.0, 5521.0, 5599.0, 5314.0, 5472.0, 5425.0, 5420.0 (number of hits: 6)
29	5530	9	1	333	1	5380.0, 5386.0, 5395.0, 5390.0, 5450.0, 5430.0, 5509.0, 5551.0, 5391.0, 5558.0, 5440.0, 5257.0, 5343.0, 5338.0, 5675.0, 5523.0, 5589.0, 5494.0, 5463.0, 5325.0, 5712.0, 5334.0, 5659.0, 5627.0, 5521.0, 5340.0, 5286.0, 5579.0, 5319.0, 5274.0, 5458.0, 5613.0, 5678.0, 5488.0, 5328.0, 5253.0, 5489.0, 5530.0, 5533.0, 5427.0, 5482.0, 5719.0, 5637.0, 5254.0, 5557.0, 5431.0, 5316.0, 5683.0, 5684.0, 5519.0, 5568.0, 5713.0, 5439.0, 5322.0, 5384.0, 5250.0, 5552.0, 5425.0, 5305.0, 5456.0, 5385.0, 5304.0, 5588.0, 5605.0, 5306.0, 5376.0, 5571.0, 5700.0, 5466.0, 5661.0, 5429.0, 5441.0, 5707.0, 5670.0, 5414.0, 5608.0, 5288.0, 5537.0, 5651.0, 5682.0, 5709.0, 5522.0, 5706.0, 5368.0, 5679.0, 5672.0, 5503.0, 5421.0, 5397.0, 5496.0, 5418.0, 5362.0, 5311.0, 5309.0, 5580.0, 5705.0, 5516.0, 5281.0, 5601.0, 5282.0 (number of hits: 6)
30	5530	9	1	333	1	5537.0, 5491.0, 5365.0, 5459.0, 5673.0, 5338.0, 5441.0, 5468.0, 5593.0, 5253.0, 5720.0, 5507.0, 5342.0, 5615.0, 5698.0, 5258.0, 5603.0, 5456.0, 5495.0, 5555.0, 5702.0, 5447.0, 5628.0, 5528.0, 5659.0, 5588.0, 5690.0, 5402.0, 5648.0, 5688.0, 5503.0, 5704.0, 5396.0, 5571.0, 5297.0, 5462.0, 5437.0, 5624.0, 5669.0, 5449.0, 5390.0, 5306.0, 5580.0, 5273.0, 5321.0, 5474.0, 5546.0, 5283.0, 5266.0, 5592.0, 5655.0, 5314.0, 5332.0, 5479.0, 5513.0, 5327.0, 5671.0, 5354.0, 5275.0, 5723.0, 5561.0, 5406.0, 5714.0, 5350.0, 5650.0, 5568.0, 5525.0, 5391.0, 5347.0, 5464.0, 5398.0, 5621.0, 5280.0, 5497.0, 5707.0, 5654.0, 5579.0, 5539.0, 5386.0, 5619.0, 5492.0, 5366.0, 5595.0, 5286.0, 5708.0, 5454.0, 5692.0, 5417.0, 5409.0, 5531.0, 5597.0, 5348.0, 5540.0, 5311.0, 5287.0, 5678.0, 5606.0, 5636.0, 5384.0, 5413.0 (number of hits: 5)

10 Appendix

The following exhibits can be found in R1711062-407 DFS Photo Reports:

- Annex B – EUT Test Setup Photographs
- Annex C – EUT External Photographs

11 Annex A (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 ---