



FCC PART 15.407

**DYNAMIC FREQUENCY SELECTION
TEST AND MEASUREMENT REPORT**

For

Ruckus Wireless, Inc.

350 West Java Drive,
Sunnyvale, CA 94089, USA

FCC ID: S9GZF7372

Report Type: Class II Permissive Change	Equipment Type: 802.11 a/b/g/n Wireless Access Point
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Report Number: R1601182-DFS	
Report Date: 2016-03-30	
Reviewed By: Bo Li RF Supervisor	
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This report **must not** be used by the customer to claim product certification, approval, or endorsement by A2LA* or any agency of the Federal Government.

* This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk “*”

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1601182-DFS	Initial	2016-03-30

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of *Ruckus Wireless, Inc.*, and their product model: *ZoneFlex 7372*, FCC ID: *S9GZF7372* or the “EUT” as referred to in this report. The EUT is a 2x2 MIMO 802.11 a/b/g/n RLAN Access Point.

1.2 Mechanical Description of EUT

The EUT measures approximately 160 mm (L) x 160 mm (W) x 35 mm (H) and weighs 334.5g.

The test data gathered are from typical production sample, serial number: Radiated Unit: 407, and Conducted Unit: 405, provided by the manufacturer

1.3 Objective

This report is prepared on behalf of *Ruckus Wireless, Inc.* in accordance with FCC CFR47 §15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

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

1.4 Related Submittal(s)/Grant(s)

FCC ID: S9GZF7372

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

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

1.6 Test Facility

Bay Area Compliance Laboratories Corp. (BACL) is:

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

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

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

4 - A Product Certification Body accredited to **ISO Guide 65: 1996** by **A2LA** to certify:

1- Unlicensed, Licensed radio frequency devices and Telephone Terminal Equipment for the FCC. Scope A1, A2, A3, A4, B1, B2, B3, B4 & C.

2. Radio Standards Specifications (RSS) in the Category I Equipment Standards List and All Broadcasting Technical Standards (BETS) in Category I Equipment Standards List for Industry Canada.

3. Radio Communication Equipment for Singapore.

4. Radio Equipment Specifications, GMDSS Marine Radio Equipment Specifications, and Fixed Network Equipment Specifications for Hong Kong.

5. Japan MIC Telecommunication Business Law (A1, A2) and Radio Law (B1, B2 and B3).

6. Audio/Video, Battery Charging Systems, Computers, Displays, Enterprise Servers, Imaging Equipment, Set-Top Boxes, Telephony, Televisions, Ceiling Fans, CFLs (including GU24s), Decorative Light Strings, Integral LED Lamps, Luminaires, Residential Ventilating Fans.

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

The test site at BACL Corp. has been fully described in reports submitted to the Federal Communication Commission (FCC) and Voluntary Control Council for Interference (VCCI). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 11 and December 10, 1997, and Article 8 of the VCCI regulations on December 25, 1997. The test site also complies with the test methods and procedures set forth in CISPR 22:2008 §10.4 for measurements below 1 GHz and §10.6 for measurements above 1 GHz, as well as ANSI C63.4-2014, ANSI C63.10-2013, TIA/EIA-603 & CISPR 24: 2010.

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

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

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

2 EUT Test Configuration

2.1 Justification

The EUT was configured for testing according to FCC Part 15.407(H), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

2.2 EUT Exercise Software

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

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E5420	CHZCMQ1

2.5 EUT Internal Configuration Details

Manufacturer	Description	Model	Serial Number
Ruckus	Motherboard	St. Bernard ASM 120-11214 REV 4	71150401520128H04A
Ruckus	Antenna (2.4 GHz)	ZF7300 Horizontal	-
Ruckus	Antenna (2.4 GHz)	ZF7300 Vertical	-
Ruckus	Antenna (5 GHz)	ZF7300 Horizontal	-
Ruckus	Antenna (5 GHz)	ZF7300 Vertical	-

2.6 Interface Ports and Cables

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

3 Summary of Test Results

The following result table represents the list of measurements required under the CFR47 §47 Part15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02. This report is to update from KDB: 905462 D02 UNII DFS Compliance Procedures Old rules v01 to KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

Items	Description of Test	Results
Detection Bandwidth	UNII Detection Bandwidth	Compliant
Performance Requirements Check	Initial Channel Availability Check Time (CAC)	Compliant ¹
	Radar Burst at the Beginning of the CAC	Compliant ¹
	Radar Burst at the End of the CAC	Compliant ¹
In-Service Monitoring	Channel Move Time	Compliant ¹
	Channel Closing Transmission Time	Compliant ¹
	Non-Occupancy Period	Compliant ¹
Radar Detection	Statistical Performance Check	Compliant

Note¹: Please refer to previous CIIPC DFS application granted on 02/14/2013, report number: R1209061-FCC DFS.

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (See Notes 1, 2 and 3)
EIRP $\geq$ 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. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911D01.	

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the UNII 99% transmission power bandwidth. See Note 3.
Note 1: <i>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.</i> 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 <i>U-NII Detection Bandwidth</i> detection test, radar type 0 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 5: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, 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

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

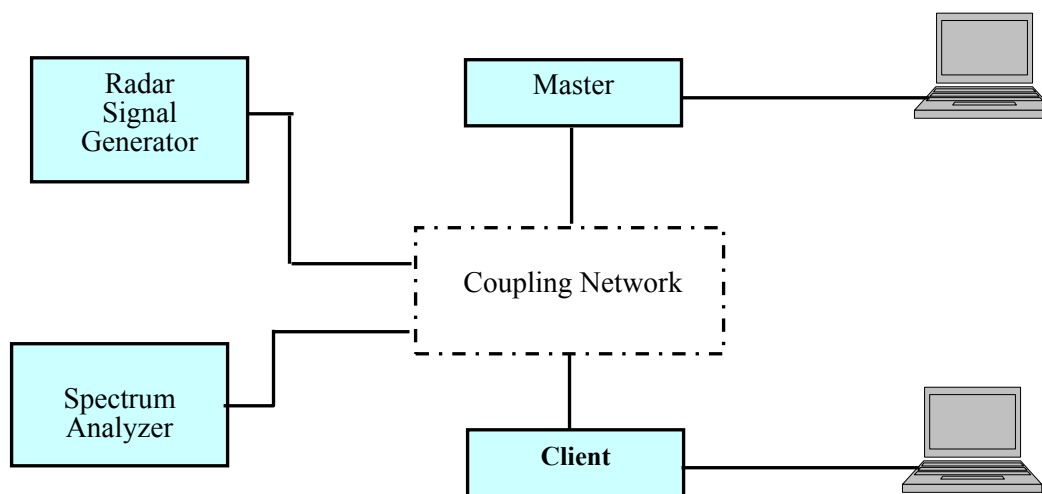
Table 7: Frequency Hopping Radar Test Signal

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

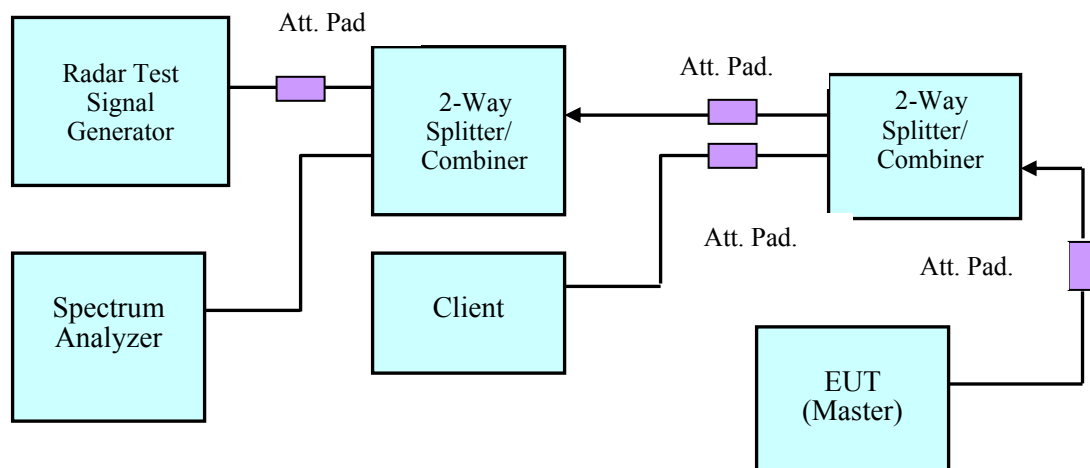
4.2 DFS Measurement System

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

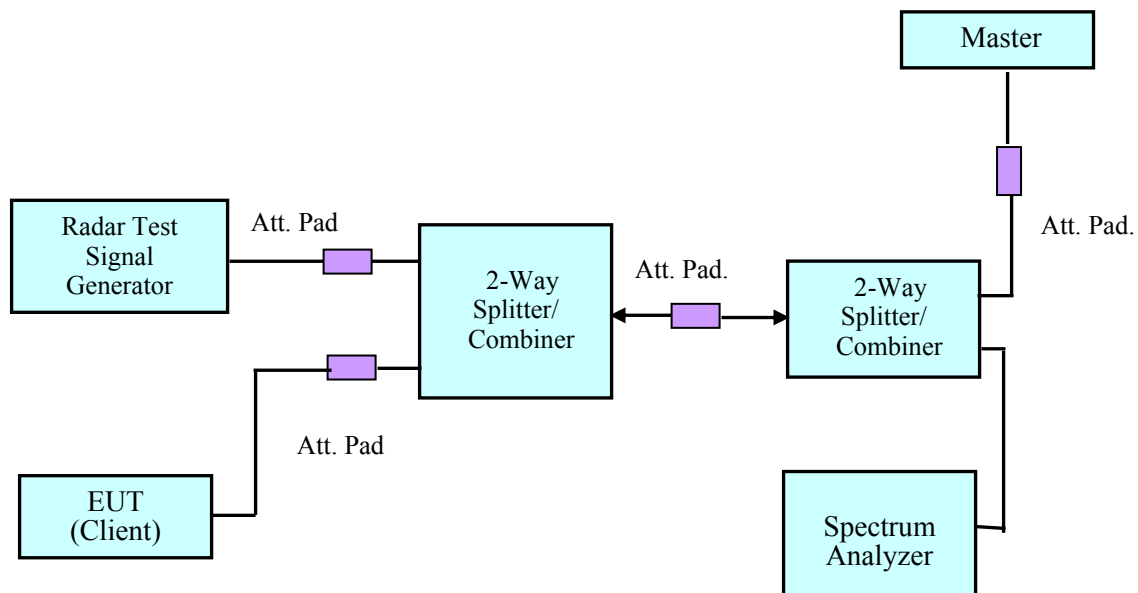
4.3 System Block Diagram



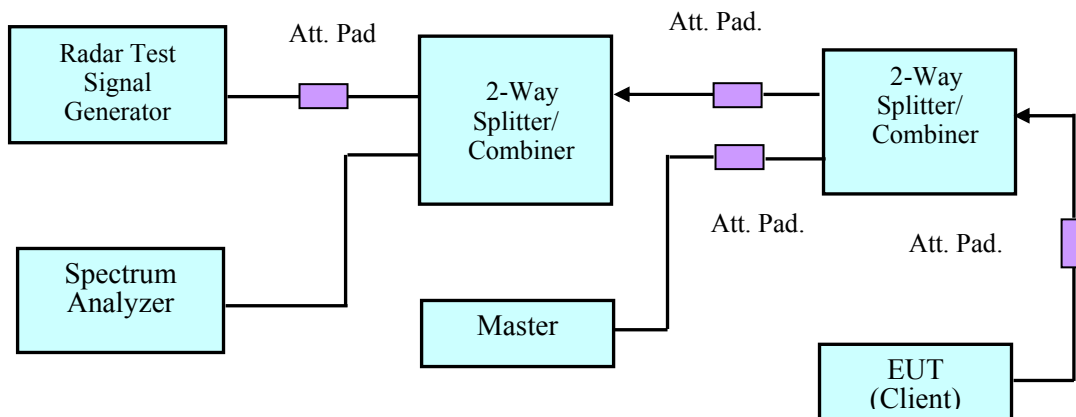
4.4 Conducted Method



Setup for Master with injection at the Master

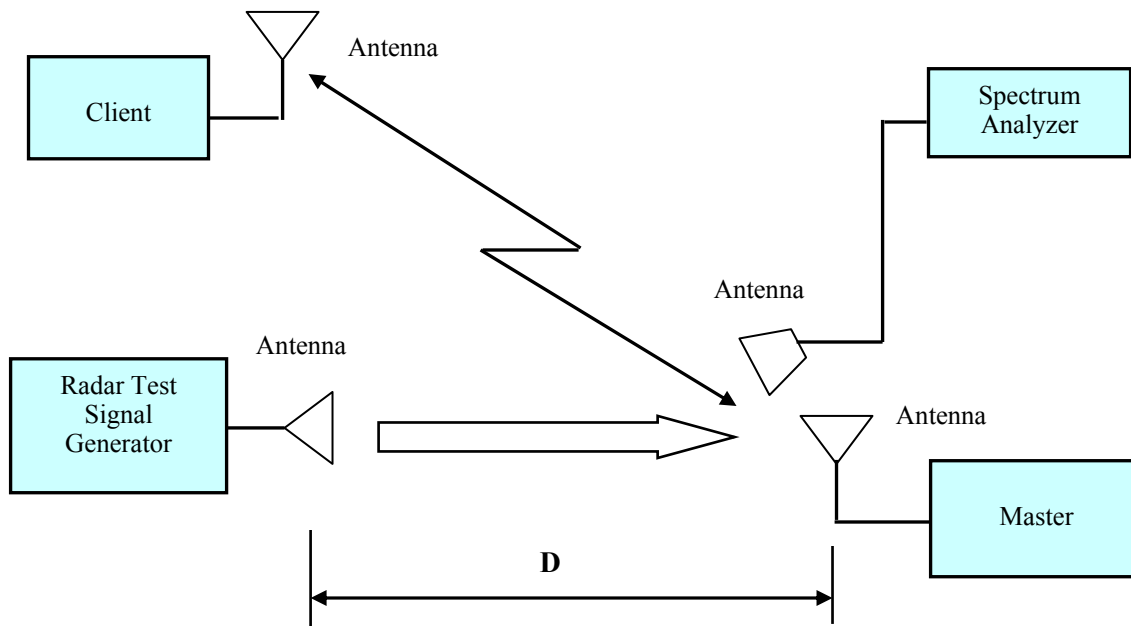


Setup for Client with injection at the Master



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) at 5250-5350MHz, Therefore the required interference threshold level is -64 dBm, the required radiated threshold at antenna port is -64dBm.

The rated output power of EUT is <23 dBm (EIRP) at 5470-5725MHz, Therefore the required interference threshold level is -62 dBm, the required radiated threshold at antenna port is -62dBm.

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

The antenna used for DFS test listed below.

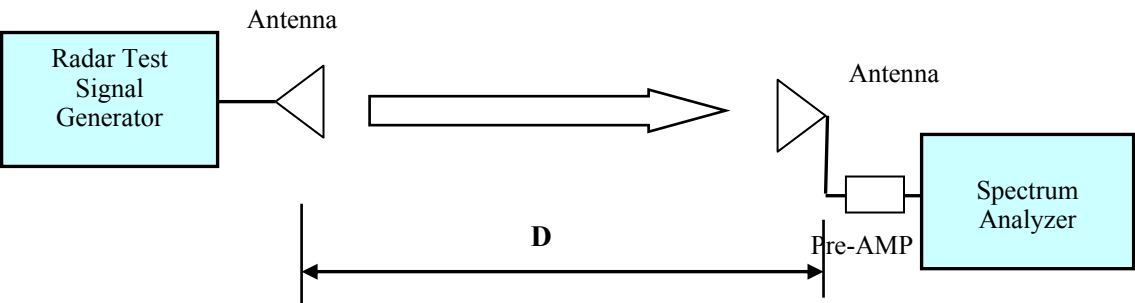
Manufacturers	Models/Name	Antenna Gain (dBi) @ 5 GHz
Ruckus	ZF7300 Horizontal	3.0
Ruckus	ZF7300 Vertical	2.0

5.2 Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Due Date
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A
Agilent	Spectrum Analyzer	E4440A	MY44303352	2016-06-22
A.R.A.	Antenna Horn	DRG-118/A	1132	2017-09-21
EMCO	Antenna Horn	3115	9511-4627	2018-01-28
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	N/A
Narda	Splitter/Combiner	4326B-2	03514	N/A
Midwest	Attenuator	290-30	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A

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

5.3 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.4 Test Environmental Conditions

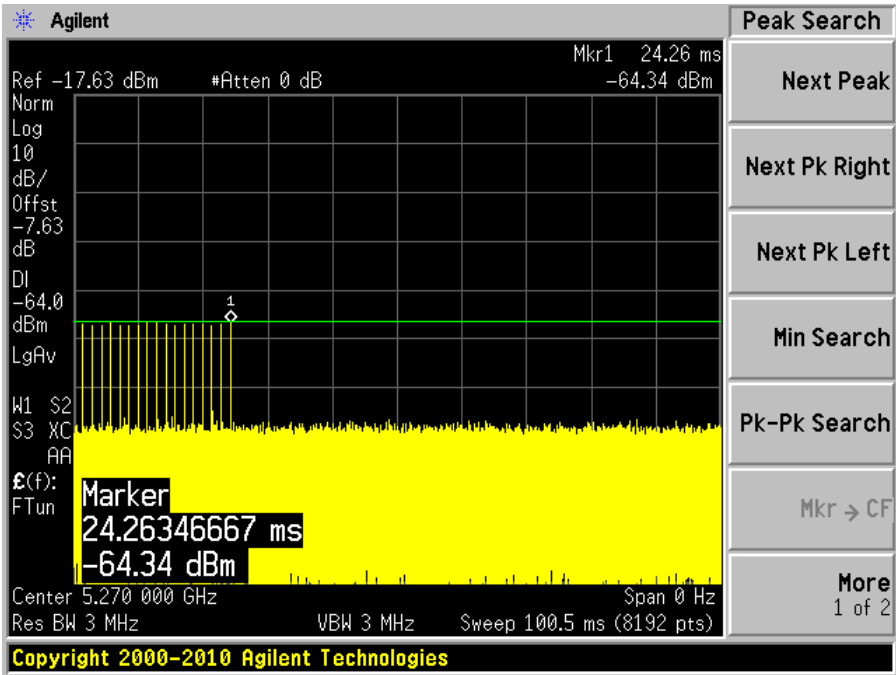
Temperature:	24 °C
Relative Humidity:	47 %
ATM Pressure:	102.1 kPa

The testing performed by Jin Yang on 2016-03-09 at DFS testing site.

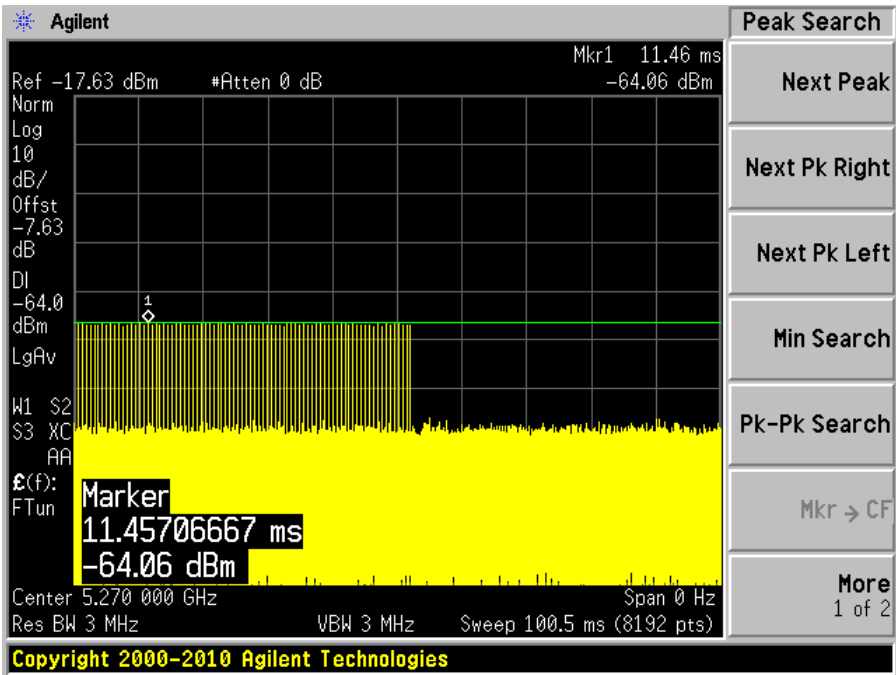
Plots of Radar Waveforms

5270 MHz

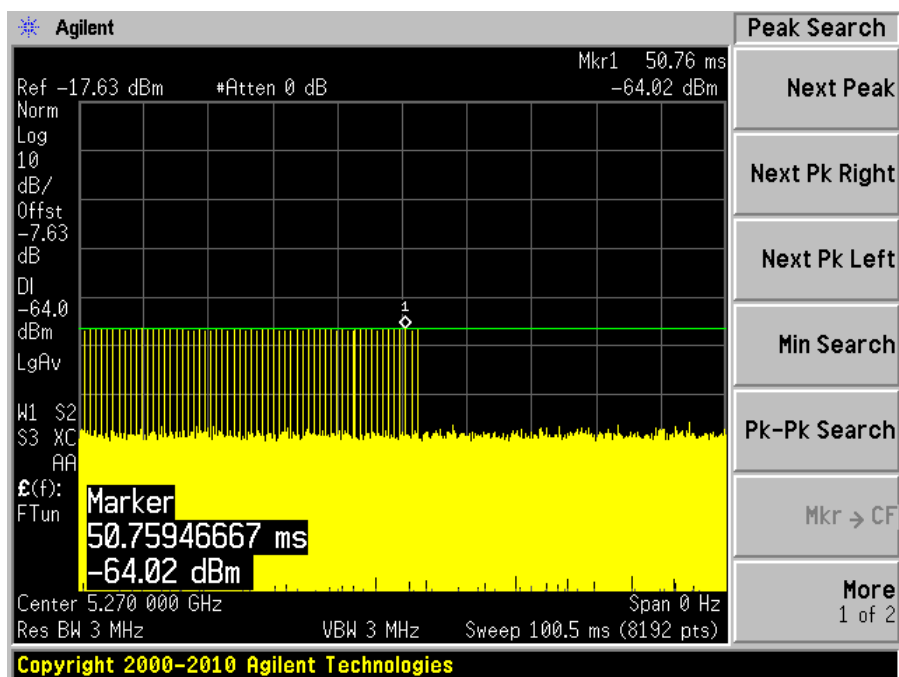
Radar Type 0



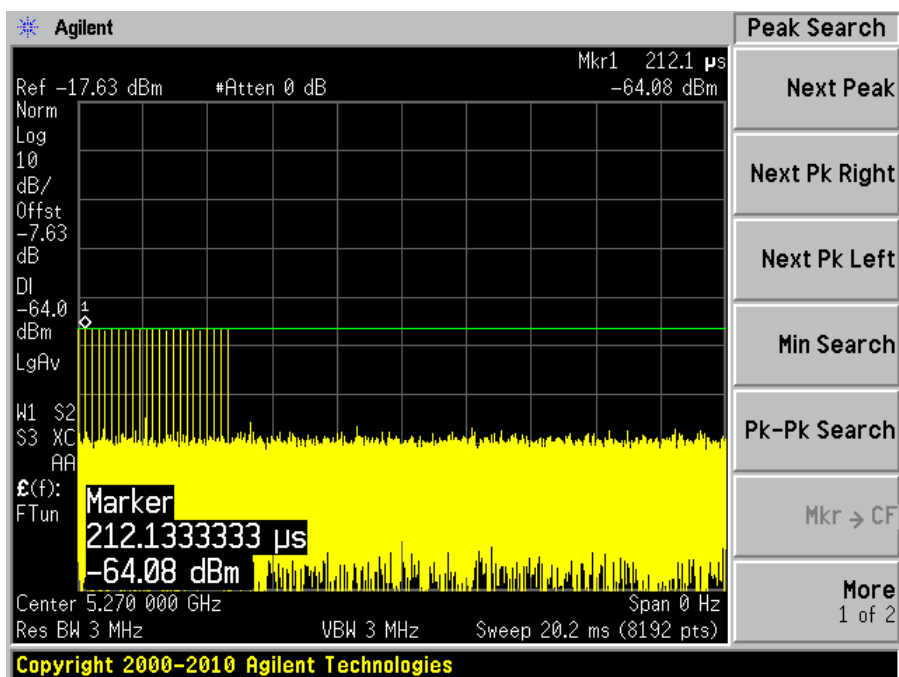
Radar Type 1A



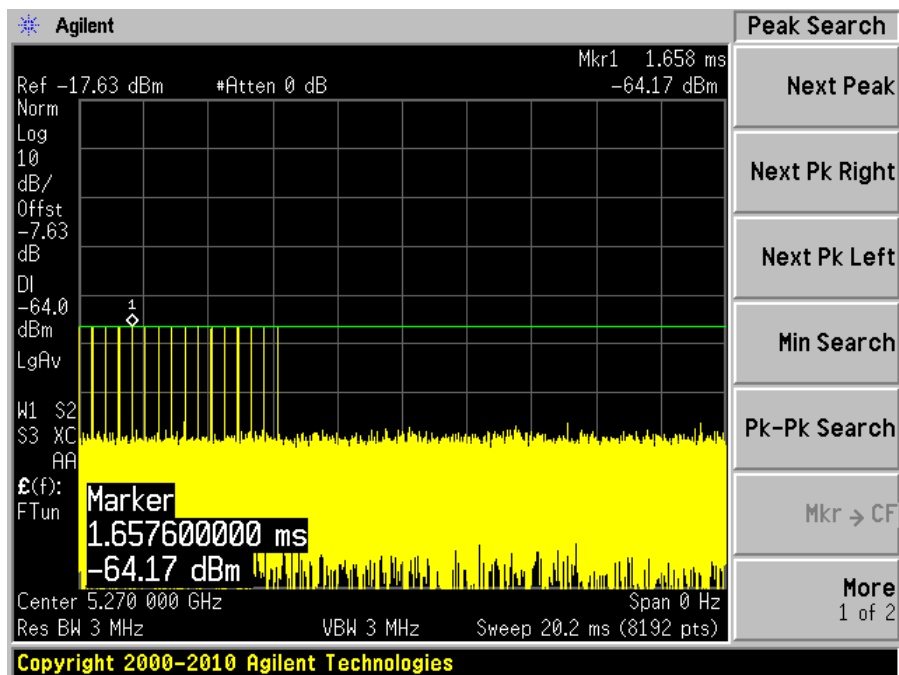
Radar Type 1B



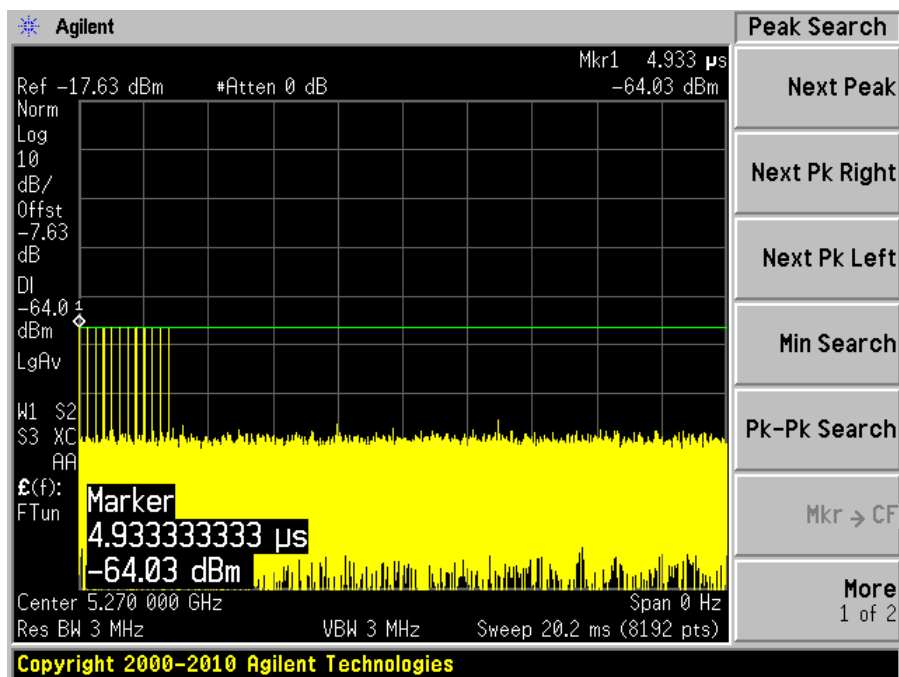
Radar Type 2



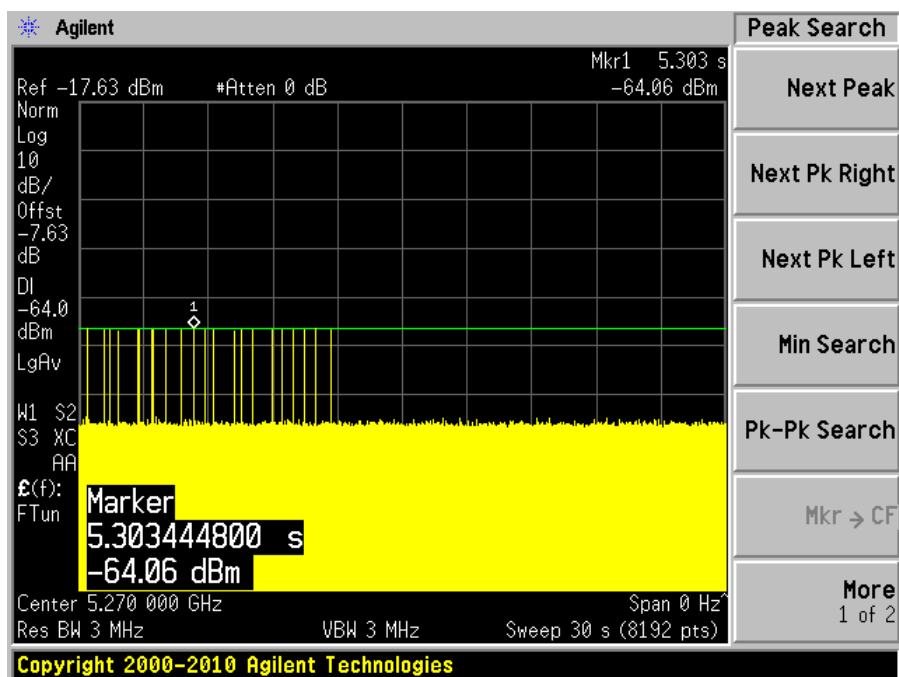
Radar Type 3



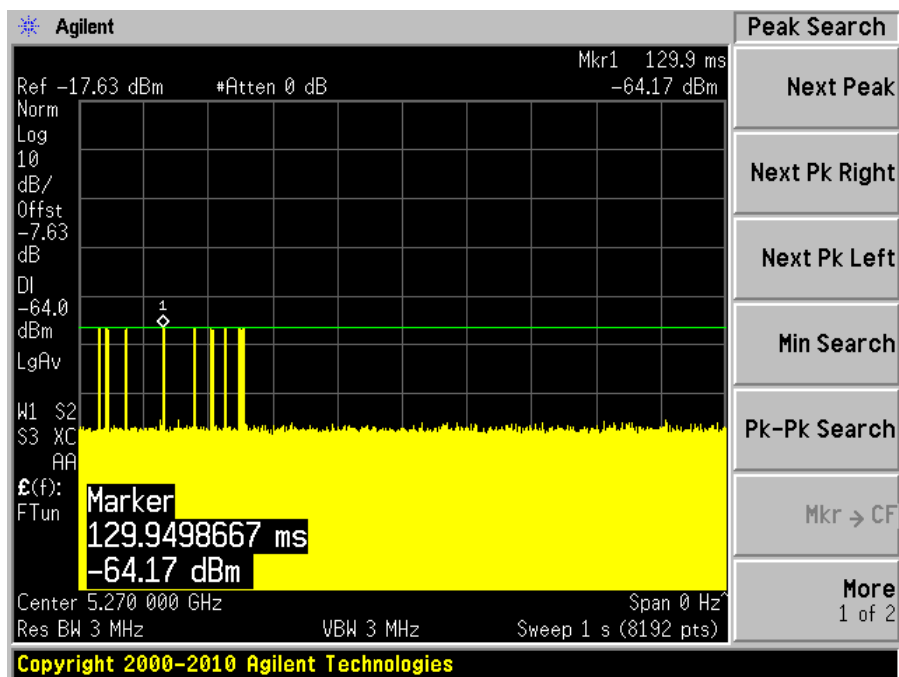
Radar Type 4



Radar Type 5

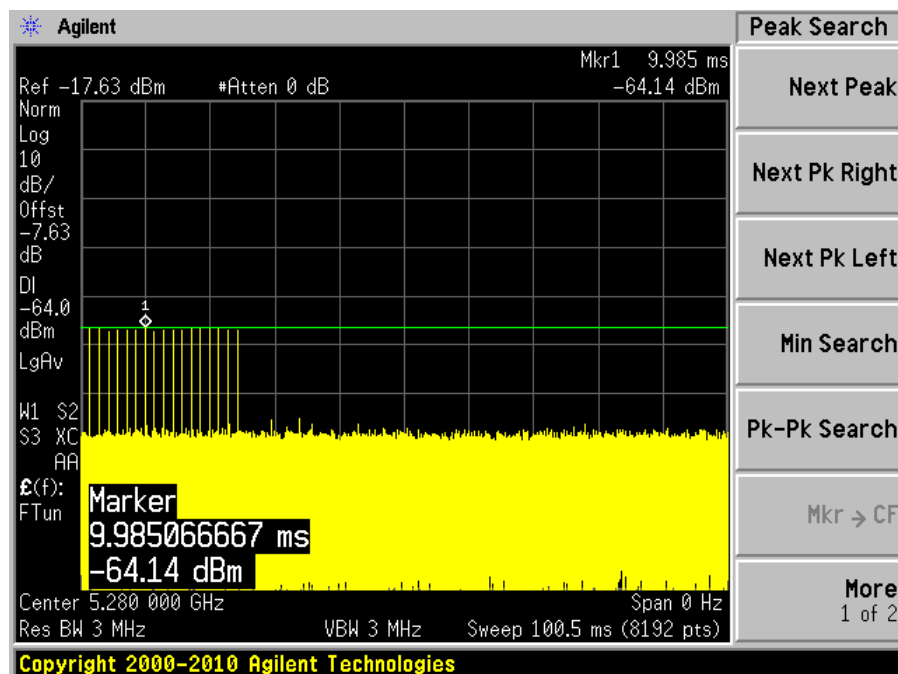


Radar Type 6

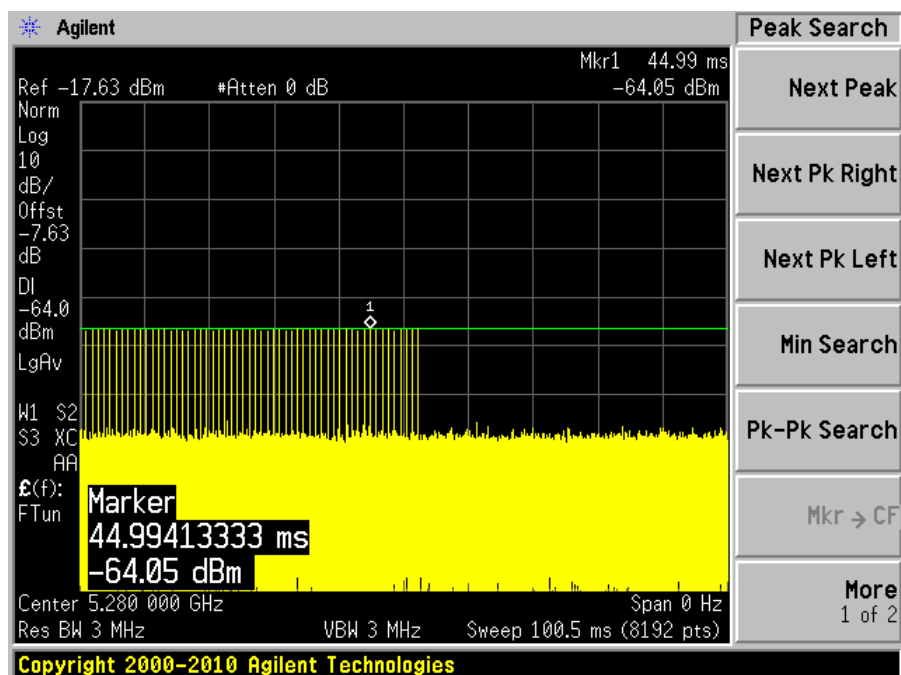


5280 MHz

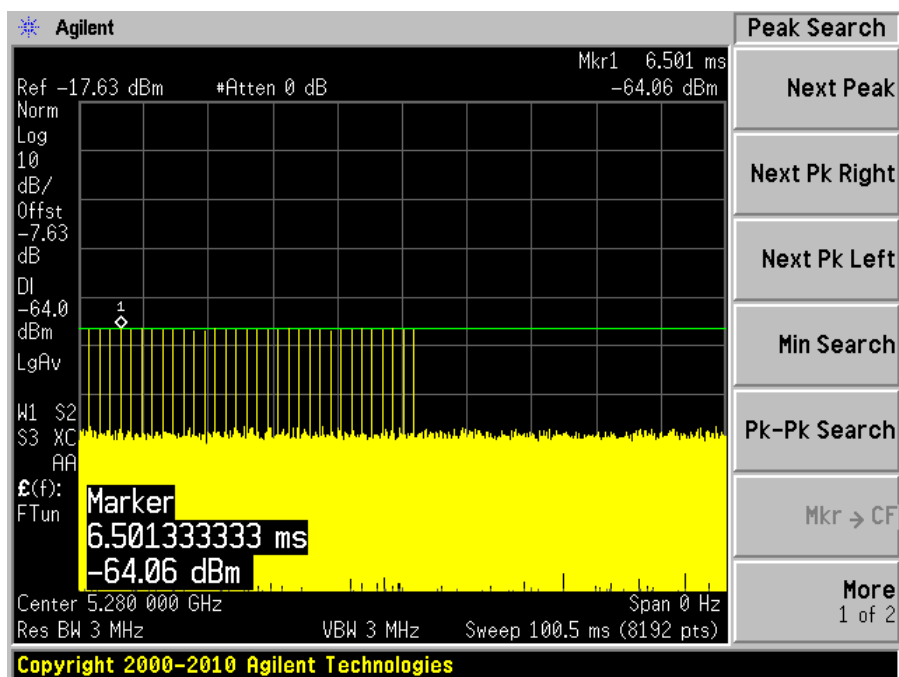
Radar Type 0



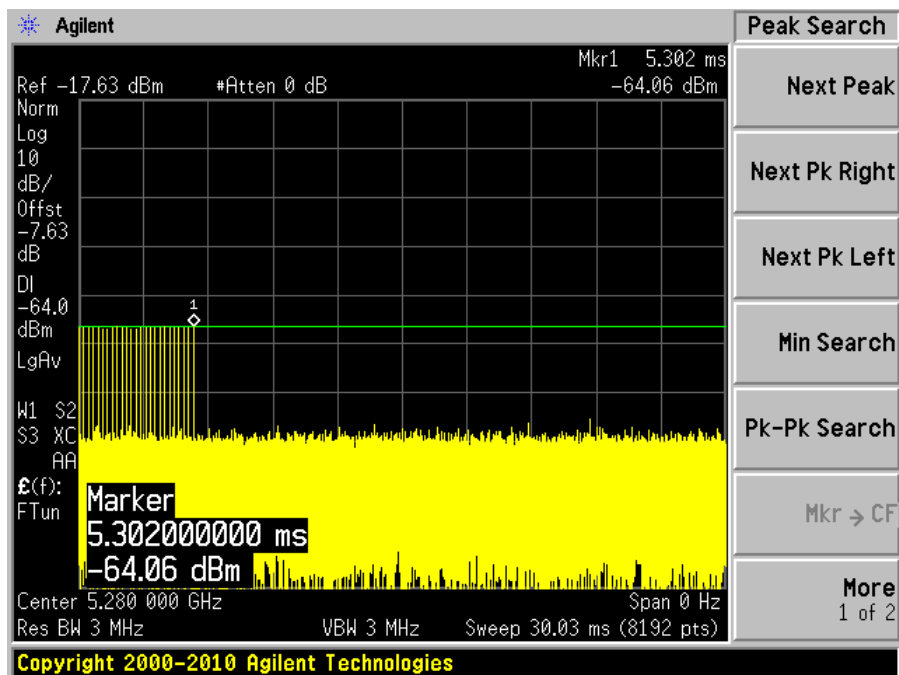
Radar Type 1A



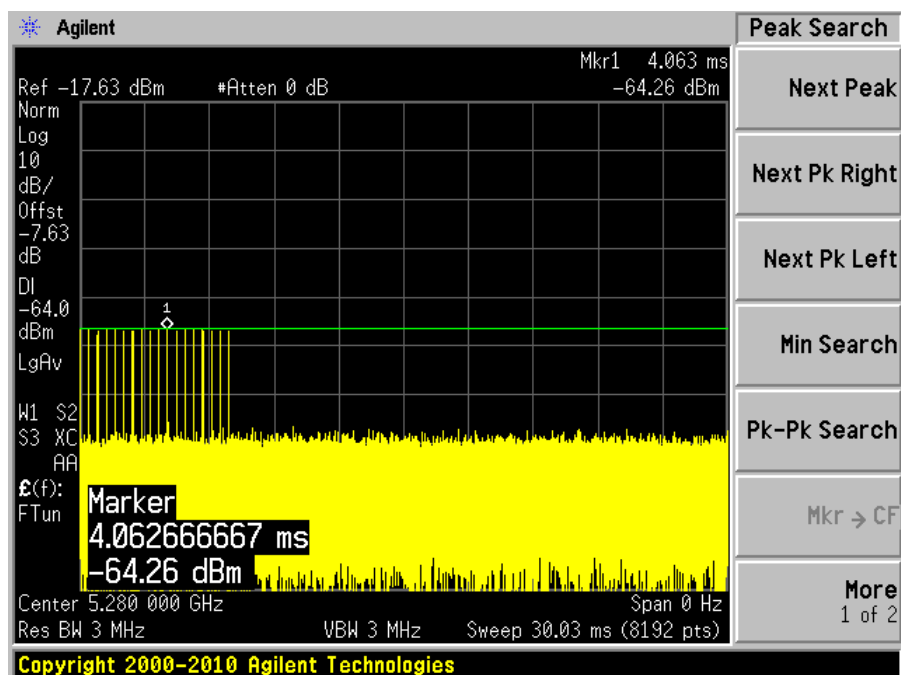
Radar Type 1B



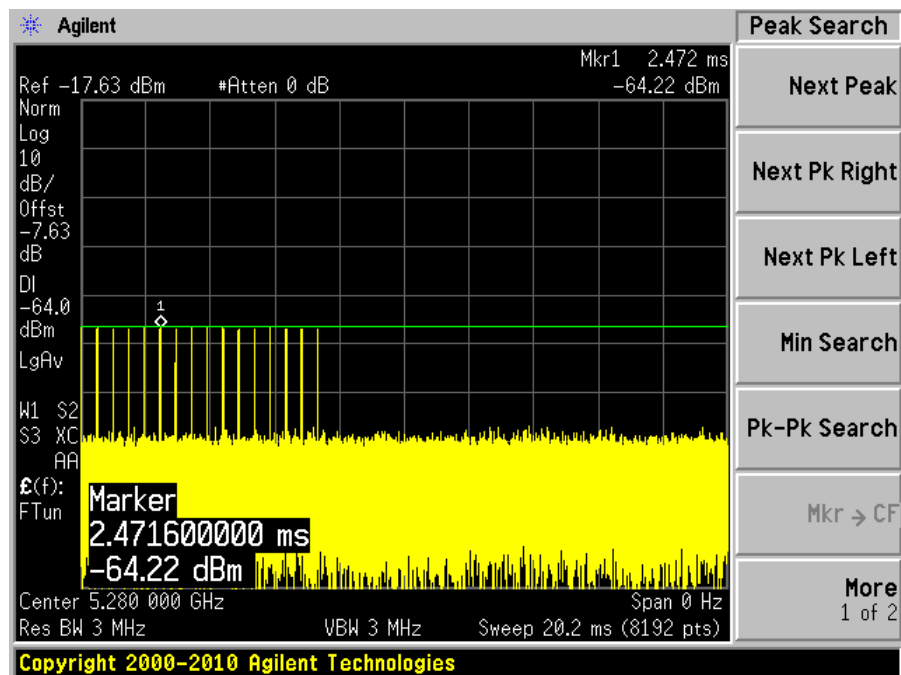
Radar Type 2



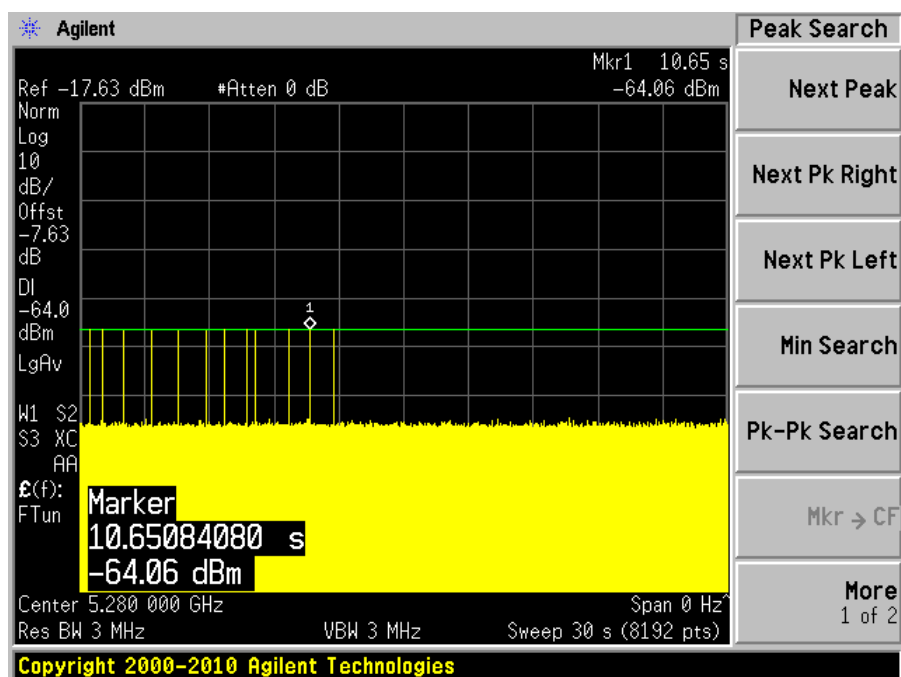
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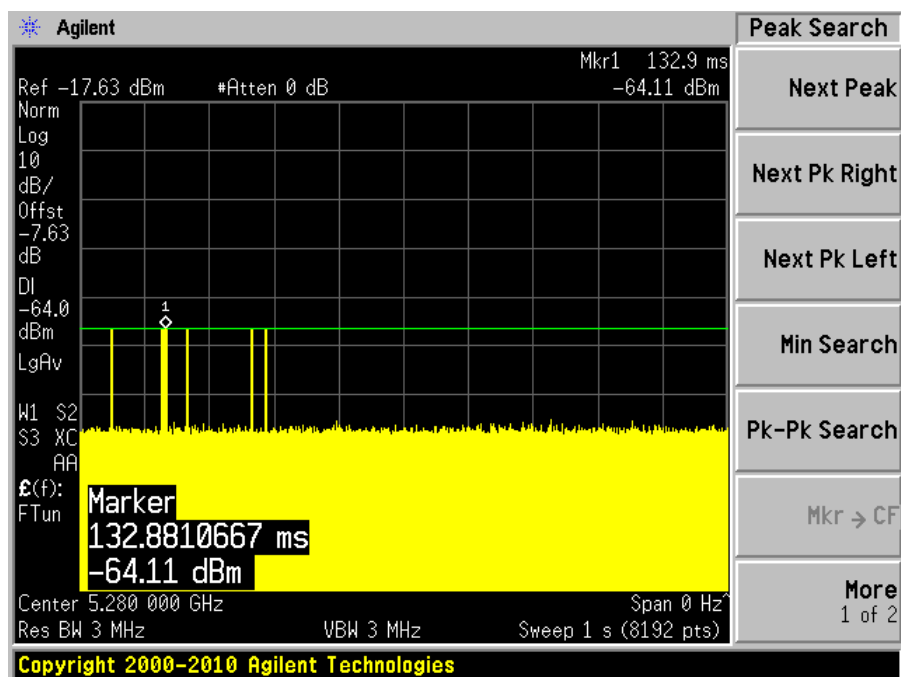
Radar Type 4



Radar Type 5

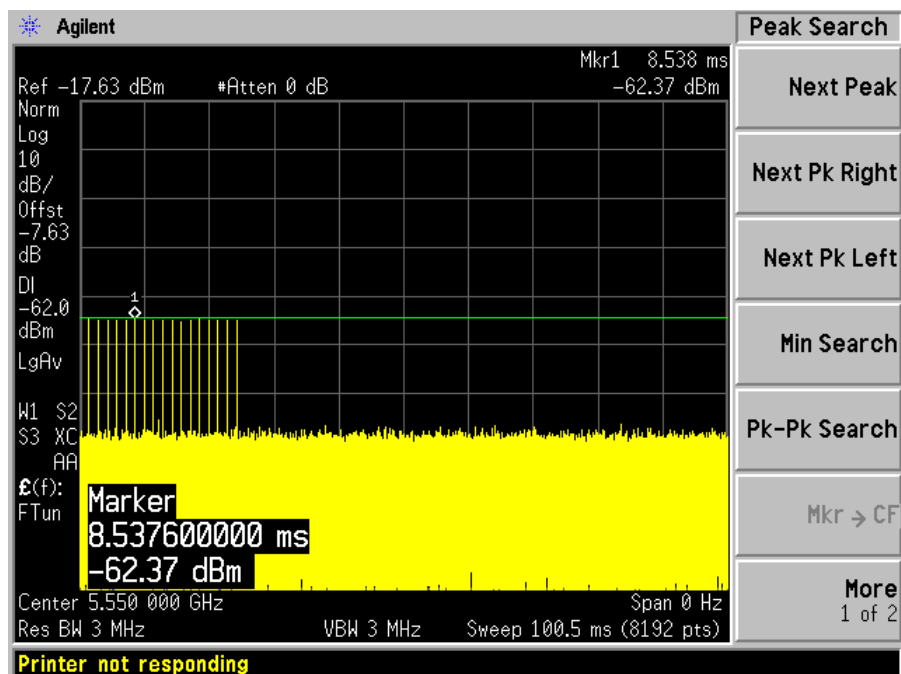


Radar Type 6

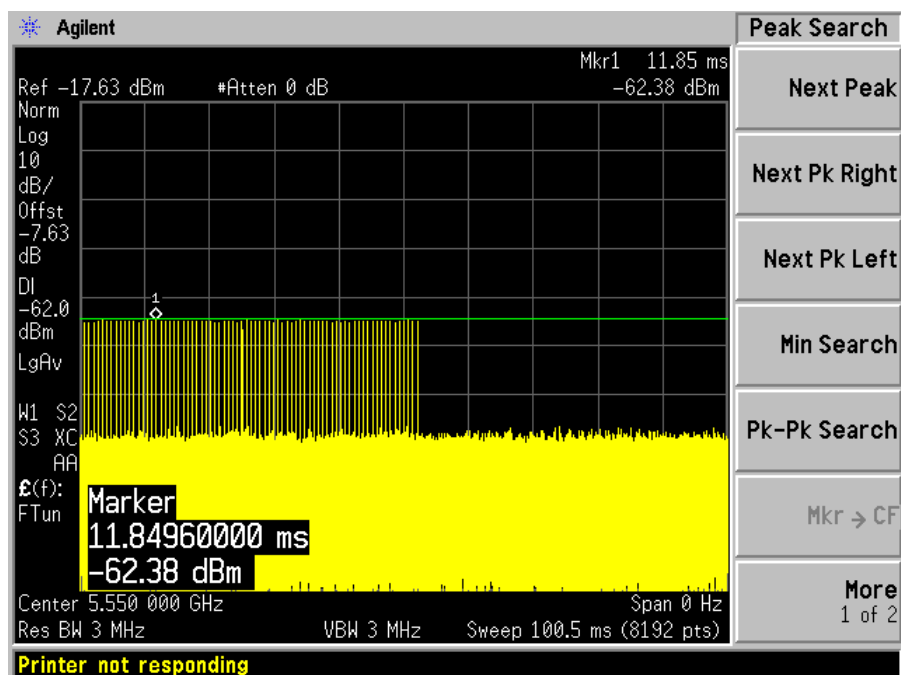


5550 MHz

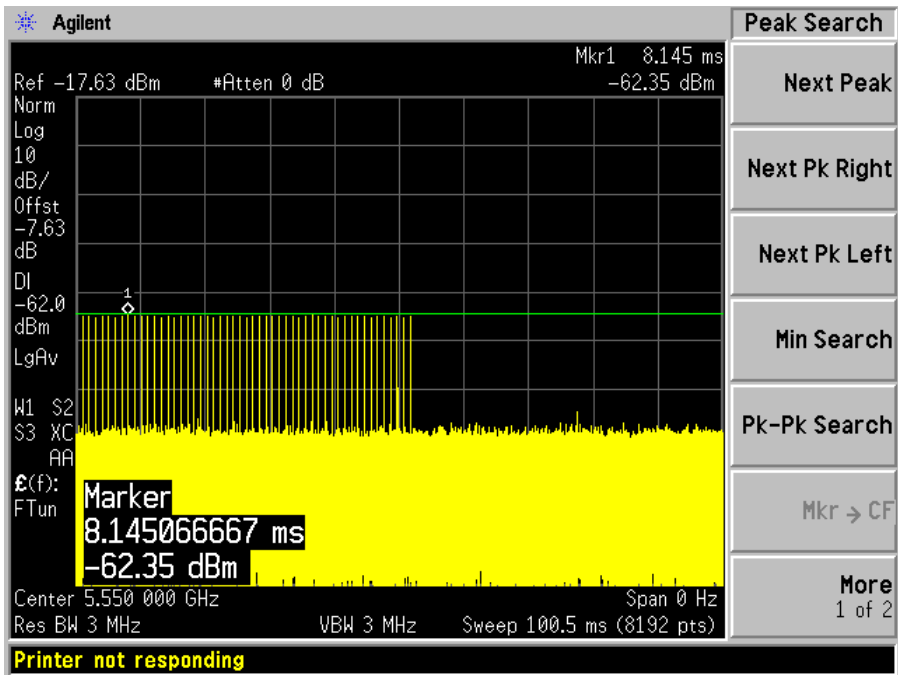
Radar Type 0



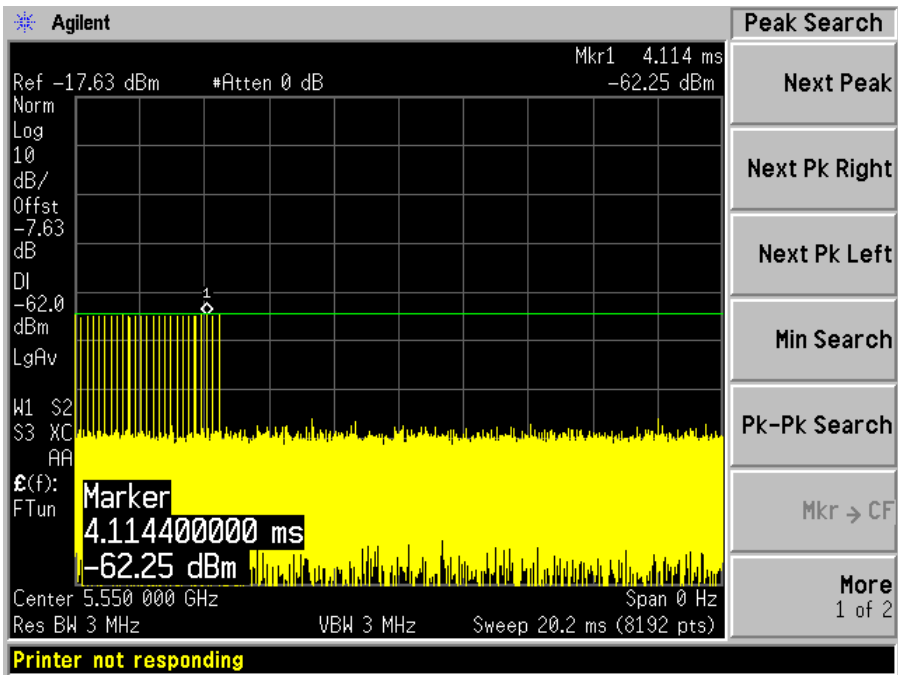
Radar Type 1A



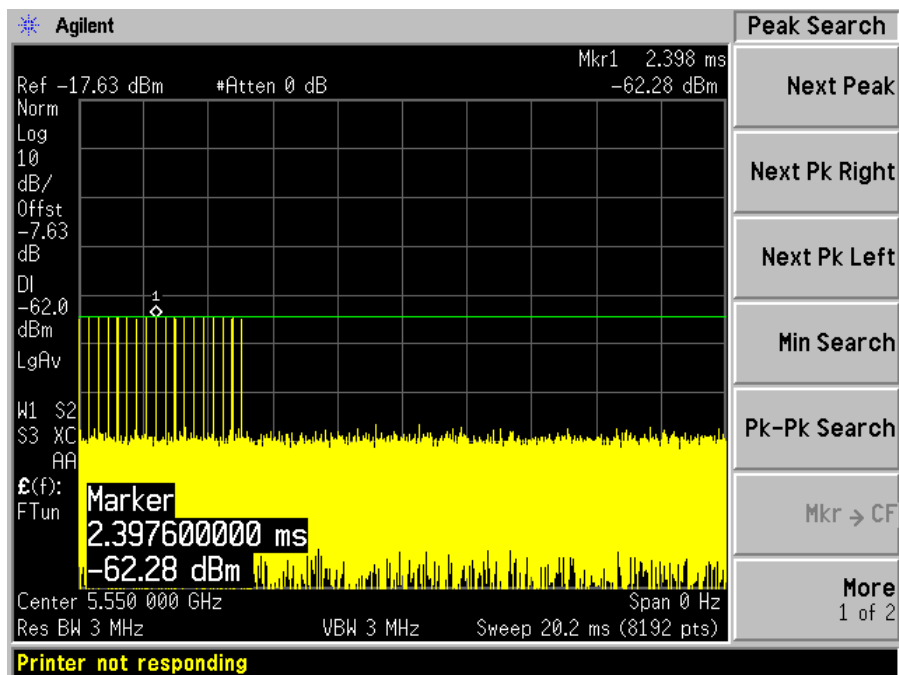
Radar Type 1B



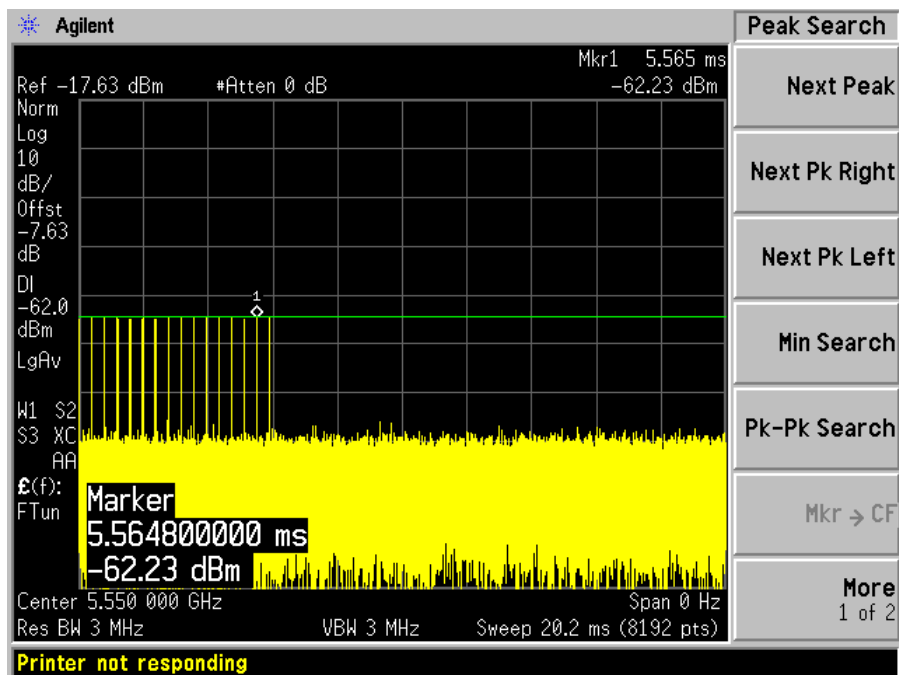
Radar Type 2



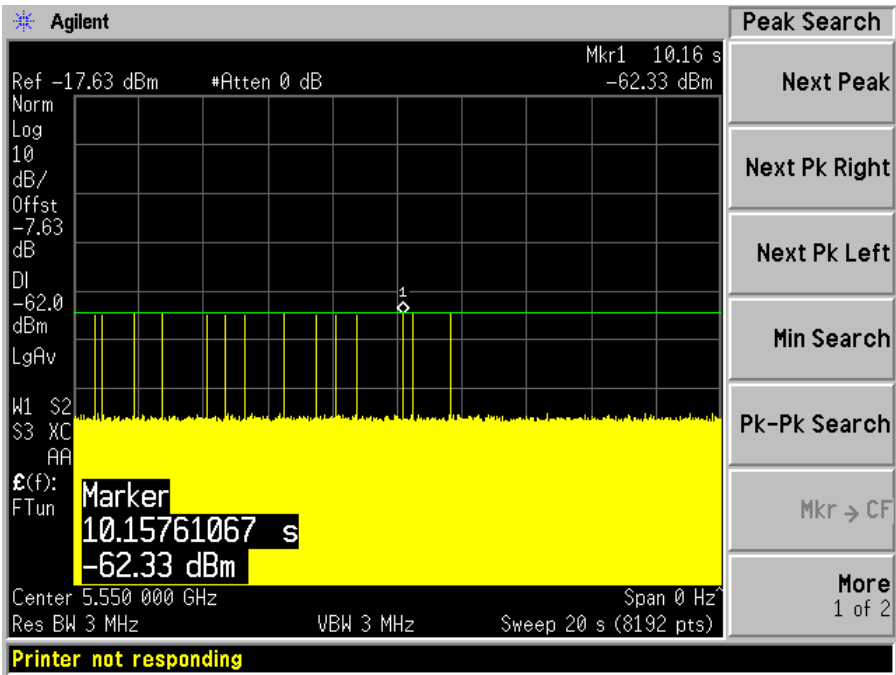
Radar Type 3



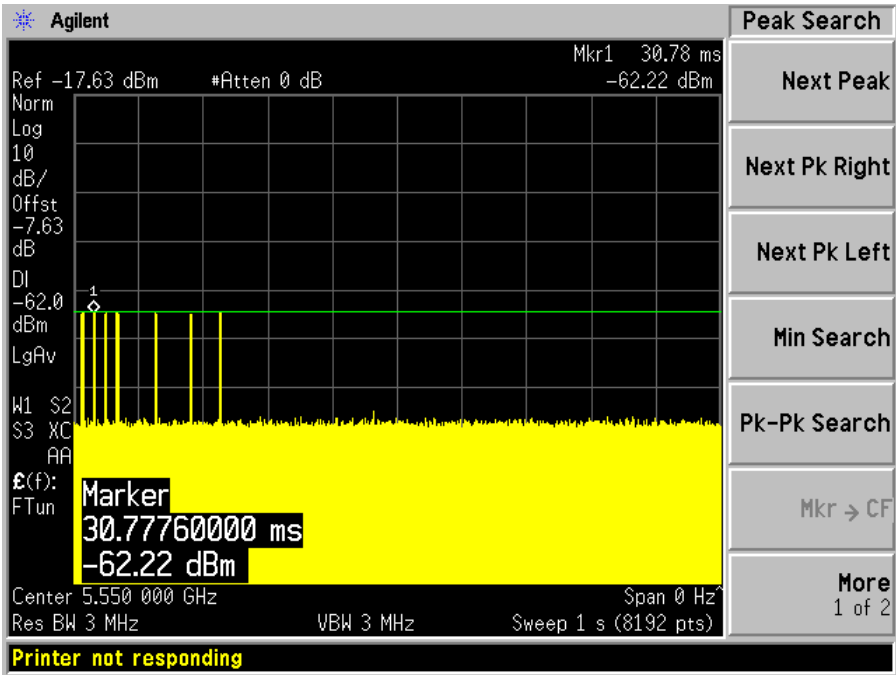
Radar Type 4



Radar Type 5

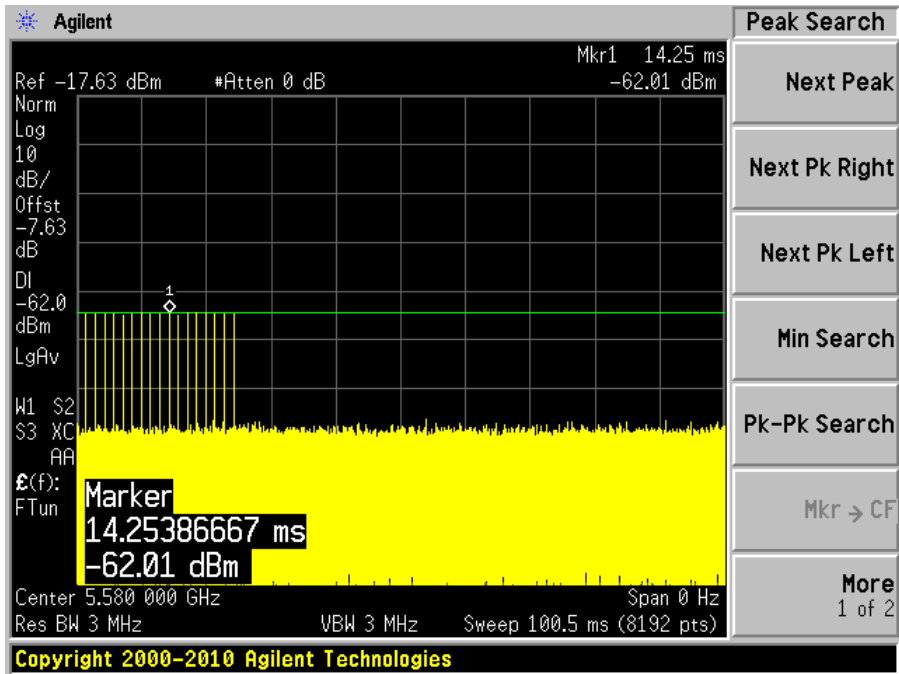


Radar Type 6

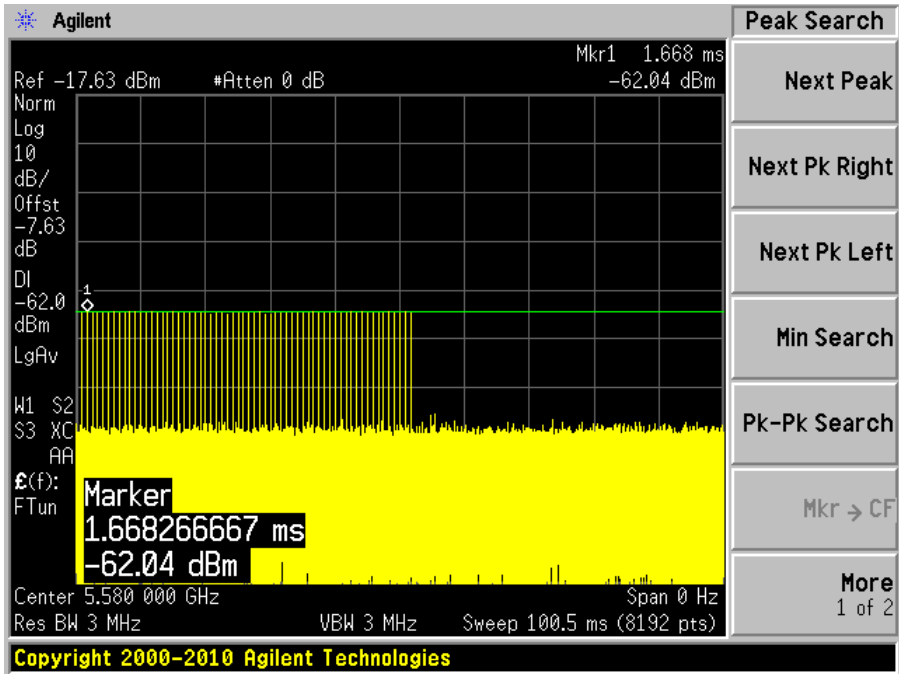


5580 MHz

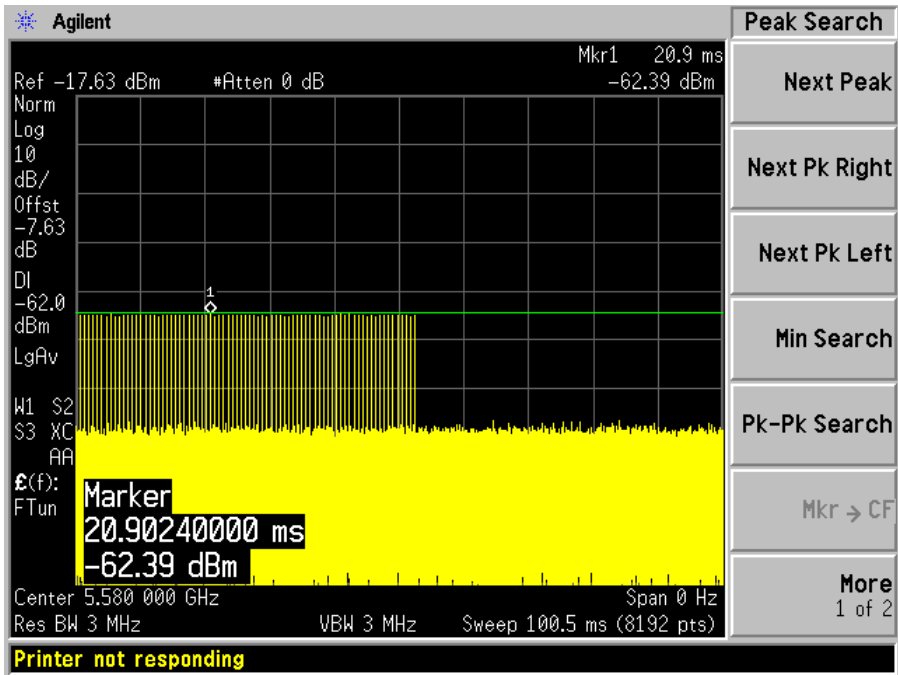
Radar Type 0



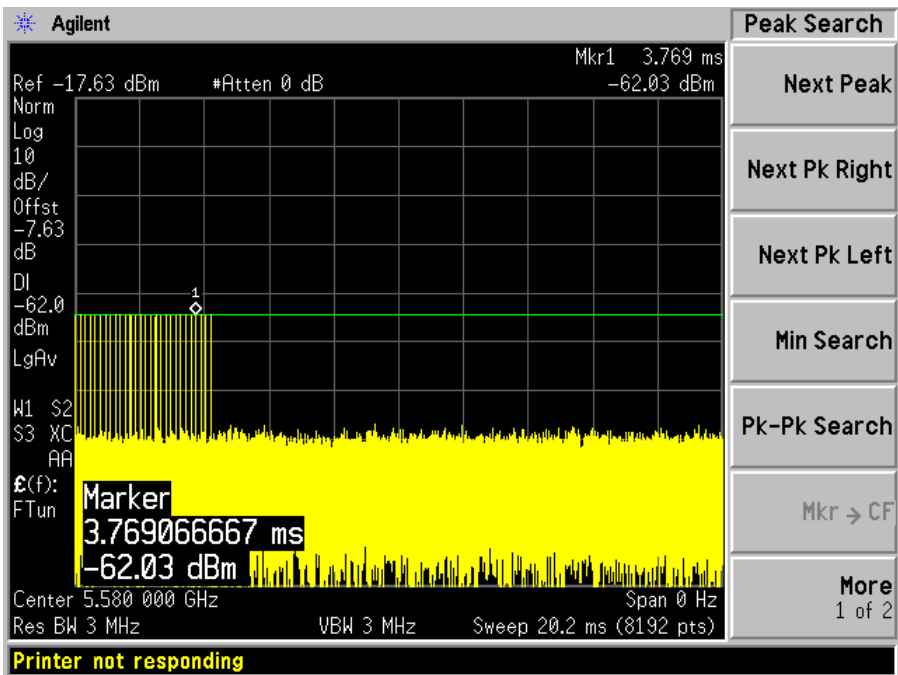
Radar Type 1A



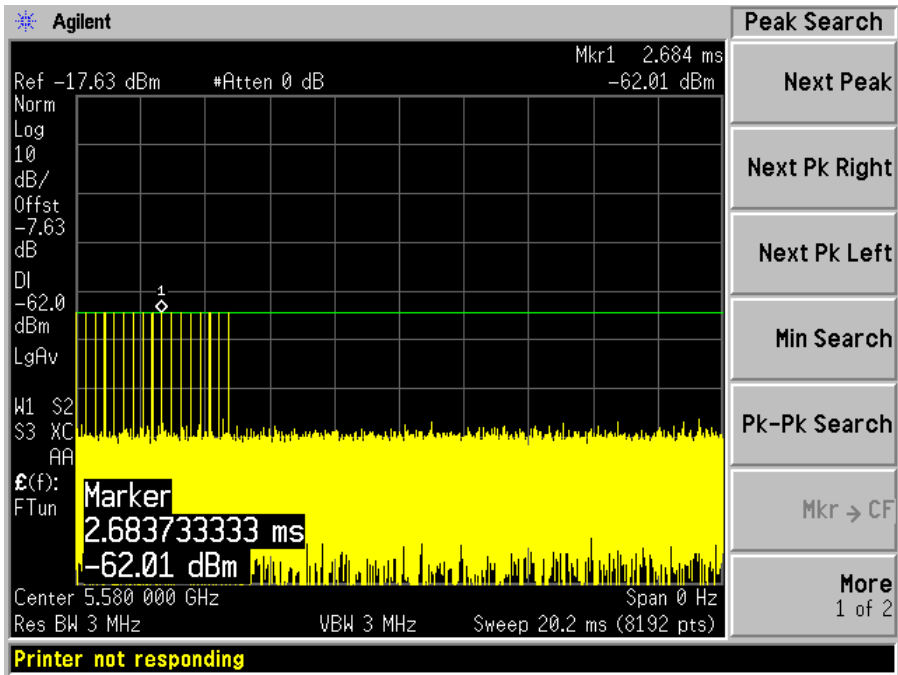
Radar Type 1B



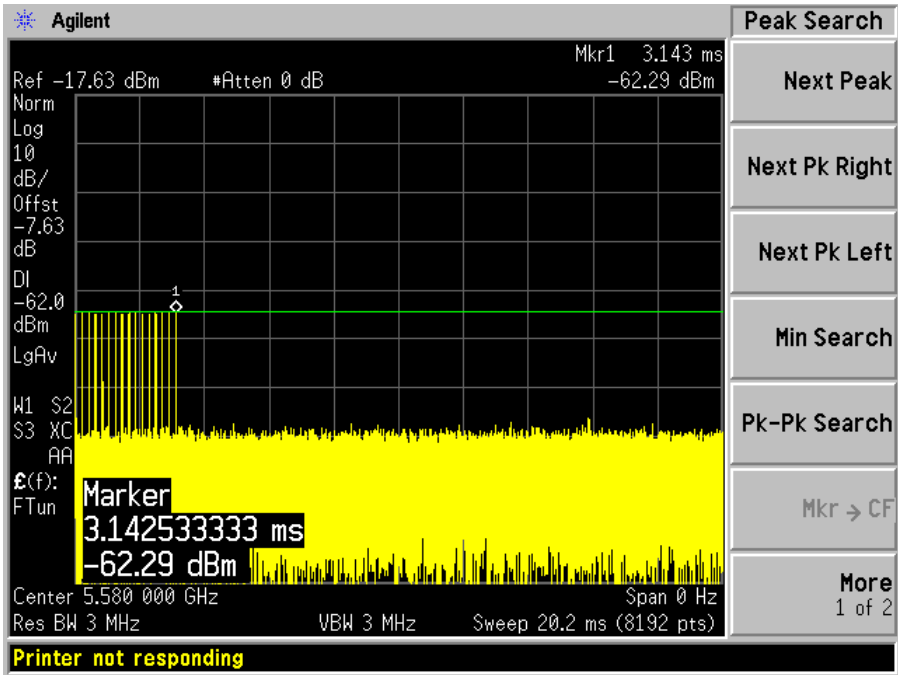
Radar Type 2



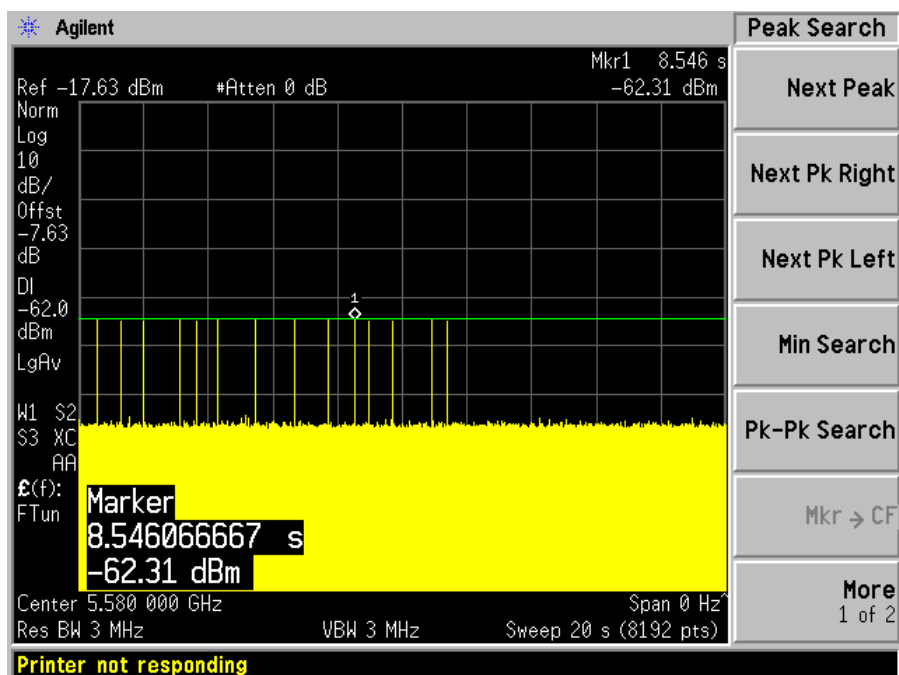
Radar Type 3



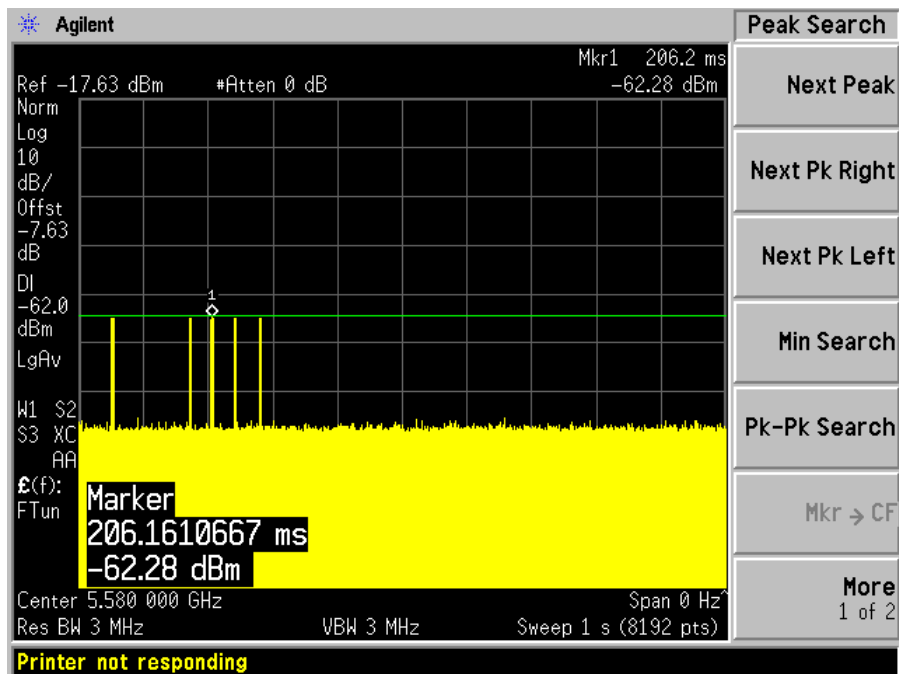
Radar Type 4



Radar Type 5



Radar Type 6



6 Radar Detection Bandwidth & Radar Detection Performance Check

6.1 Detection Bandwidth

Procedure:

Performed with short pulse radar waveforms (type 0)

Start with radar generator frequency set to the center of the channel (F_c)

Perform at least 10 trials and confirm at least 90% detected

Increment radar generator frequency by 5 MHz and repeat

Perform at least 10 trials and confirm at least 90% detected

Continue incrementing the radar frequency until detection rate falls below 90%

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

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

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

UNII Detection Bandwidth = $F_H - F_L$

Test Results

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Result
5280	5270	5290	20	Compliance
5580	5570	5590	20	Compliance
5270	5250	5290	40	Compliance
5550	5530	5570	40	Compliance

Please refer to the following tables and plots.

Results of Detection Bandwidth:

EUT Frequency = 5280 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5269	0	0	0	0	0	0	0	0	0	0	0 %
5270(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280(F _c)	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5291	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F_H – F_L=5290-5270=20 MHz											

EUT Frequency = 5580 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5569	0	0	0	0	0	0	0	0	0	0	0 %
5570(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580(F _c)	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5591	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F_H – F_L=5590-5570=20 MHz											

EUT Frequency = 5270 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
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(F _c)	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 Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5529	0	0	0	0	0	0	0	0	0	0	0 %
5530(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
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 (F _c)	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F _H – F _L =5570-5530=40 MHz											

6.2 Radar Detection Performance Check

Procedure:

Stream MPEG file from master to slave

Generate radar waveform

Record whether or not the waveform was detected

At least 30 trials are applied for each radar type

For radar types with randomized parameters, each trial uses a unique waveform

Perform with each of the radar types 1-6

Confirm that the detection rate for each radar type meets the minimum requirement

Type 1A&1B, 2, 3, 4: 60% each

Type 5: 80%

Type 6: 70%

Confirm that the mean of the rates for radar types 1 through 4 meets the requirement of 80%

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

Test Results:

5280 MHz, 20 MHz Bandwidth

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

Please refer to the following statistical tables:

5280 MHz, 20 MHz Bandwidth**Table-1 Radar Type 1A/1B Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	70	1	758	1
2	5510	67	1	798	1
3	5510	68	1	778	1
4	5510	81	1	658	1
5	5510	95	1	558	1
6	5510	63	1	838	1
7	5510	74	1	718	1
8	5510	72	1	738	1
9	5510	76	1	698	1
10	5510	62	1	858	1
11	5510	83	1	638	1
12	5510	65	1	818	1
13	5510	59	1	898	1
14	5510	18	1	3066	1
15	5510	99	1	538	1
16	5510	38	1	1420	1
17	5510	19	1	2799	1
18	5510	38	1	1390	1
19	5510	23	1	2306	1
20	5510	18	1	2963	1
21	5510	35	1	1543	1
22	5510	21	1	2539	1
23	5510	50	1	1064	1
24	5510	22	1	2409	1
25	5510	39	1	1388	1
26	5510	33	1	1619	1
27	5510	36	1	1492	1
28	5510	26	1	2106	1
29	5510	33	1	1603	1
30	5510	28	1	1908	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	4.5	193	1
2	5510	29	4.4	159	1
3	5510	28	4.1	169	1
4	5510	26	1.9	221	1
5	5510	25	2.5	169	1
6	5510	25	3	180	1
7	5510	26	3.6	195	1
8	5510	23	2.1	224	1
9	5510	28	1.1	201	1
10	5510	28	3.6	211	1
11	5510	24	3.7	213	1
12	5510	25	3.4	221	1
13	5510	24	1.3	151	1
14	5510	26	4.1	163	1
15	5510	28	4.5	223	1
16	5510	26	3.5	193	1
17	5510	24	4.2	158	1
18	5510	24	4.4	221	1
19	5510	23	1.8	213	1
20	5510	25	1.6	202	1
21	5510	27	3.1	161	1
22	5510	29	1.3	208	1
23	5510	27	1.7	193	1
24	5510	27	3.3	228	1
25	5510	23	2.3	158	1
26	5510	26	2.3	215	1
27	5510	23	2.8	155	1
28	5510	25	2	162	1
29	5510	23	3.3	197	1
30	5510	29	4	179	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	16	9.3	313	1
2	5510	18	8.4	321	1
3	5510	16	9.5	375	1
4	5510	17	8.2	280	1
5	5510	16	9.5	428	1
6	5510	18	7.5	468	1
7	5510	17	8.7	365	1
8	5510	16	9.8	471	1
9	5510	17	10	441	1
10	5510	17	9.8	461	1
11	5510	16	7.2	233	1
12	5510	18	7	286	1
13	5510	16	6.5	214	1
14	5510	17	6.5	481	1
15	5510	16	6.7	485	1
16	5510	18	8.7	226	1
17	5510	18	9.5	252	1
18	5510	18	9.2	242	1
19	5510	17	6.1	211	1
20	5510	18	6.1	453	1
21	5510	17	9.7	423	1
22	5510	18	7.8	289	1
23	5510	18	9.4	260	1
24	5510	18	7.5	338	1
25	5510	16	9.7	346	1
26	5510	18	8.9	494	1
27	5510	18	9.6	205	1
28	5510	16	9.8	458	1
29	5510	18	9.4	219	1
30	5510	18	9.7	278	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	12	20	340	1
2	5510	12	12.1	325	1
3	5510	14	18.5	483	1
4	5510	12	14.4	244	1
5	5510	13	14.9	303	1
6	5510	14	16.8	335	1
7	5510	15	18.1	371	1
8	5510	13	15.8	266	1
9	5510	14	13.3	346	1
10	5510	12	13.2	315	1
11	5510	14	19.6	324	1
12	5510	16	15.4	420	1
13	5510	16	19.7	295	1
14	5510	13	13.1	258	1
15	5510	14	14.2	305	1
16	5510	13	19.1	402	1
17	5510	12	15.8	456	1
18	5510	15	19.8	239	1
19	5510	15	11.6	201	1
20	5510	12	12	489	1
21	5510	14	19	440	1
22	5510	12	12.7	483	1
23	5510	14	11.2	425	1
24	5510	14	12.2	260	1
25	5510	14	13	239	1
26	5510	16	18.3	341	1
27	5510	14	15.3	217	1
28	5510	13	15.6	406	1
29	5510	14	15.8	354	1
30	5510	12	18.5	474	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5272 MHz

Trial #	Pulse	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	88.7			0.343604	1
1	1	8	89.9			1.02068	
2	2	18	94.5	1641		2.385073	
3	2	16	92.5	1702		3.573691	
4	1	10	86.1			3.70131	
5	2	17	90.7	1451		5.274813	
6	1	18	52			6.106983	
7	2	14	68.7	1630		6.666448	
8	2	15	66.8	1462		8.099741	
9	2	17	85.9	1088		8.713726	
10	1	13	66.2			9.33908	
11	2	18	72.9	1961		10.256954	
12	3	10	95.9	1459	1098	11.167076	

Bin5 Statistics 2

CF=5275 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	76.6			0.335748	1
1	2	14	78.1	1796		1.77829	
2	2	11	55.2	1194		3.980242	
3	1	18	71.8			5.141042	
4	2	18	68.6	1401		5.35881	
5	1	5	84.3			7.792385	
6	2	6	53.2	1729		9.100773	
7	1	19	82.5			9.845533	
8	2	12	89.1	1800		11.98808	

Bin5 Statistics 3

CF=5270 MHz

Trial #	Pulse	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	79.8	1702	1187	0.335053	1
1	2	9	64.8	1274		1.453198	
2	2	10	58	1351		2.221386	
3	3	14	62.3	1760	1526	2.832748	
4	2	6	50.8	1260		3.677683	
5	2	17	92.3	1578		4.34704	
6	3	6	59.6	1935	1310	4.885226	
7	1	17	53.7			5.818128	
8	2	16	66.8	1384		7.17325	
9	1	7	72.5			7.341812	
10	1	10	53			8.531712	
11	2	14	90.1	1881		9.168173	
12	1	20	90.4			9.74232	
13	3	14	91.9	1178	1834	10.647293	
14	2	19	91.8	1241		11.446035	

Bin5 Statistics 4

CF=5280 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	84.3			0.520744	1
1	1	14	93.2			0.821691	
2	2	6	97.8	1311		1.942066	
3	1	16	98.7			2.248442	
4	2	14	98.2	1848		3.012648	
5	1	14	98.9			3.970953	
6	1	16	89			4.863045	
7	1	8	67.4			5.425413	
8	2	16	60.2	1177		6.115499	
9	2	19	89.7	1982		6.901414	
10	3	10	75.3	1192	1269	7.28279	
11	1	17	92.5			8.270009	
12	2	10	84.6	1845		8.841221	
13	1	15	87.6			9.731896	
14	1	19	50.8			10.525714	
15	3	18	91.6	1468	1795	10.594024	
16	1	7	92.4			11.936345	

Bin5 Statistics 5

CF=5282 MHz

Trial #	Pulse	Chirp (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	52.4	1638		0.044587	1
1	3	19	70.8	1638	1587	0.99237	
2	2	8	74	1761		1.674254	
3	3	7	70.2	1356	1364	3.127223	
4	3	5	89.6	1096	1890	3.429601	
5	3	17	73.5	1256	1737	4.57679	
6	3	10	52.7	1950	1339	5.450047	
7	1	7	53.8			5.798283	
8	2	7	69	1949		6.913555	
9	3	13	64.7	1292	1162	7.398199	
10	2	12	77.9	1683		8.065226	
11	2	8	59	1117		9.340581	
12	3	10	53.6	1314	1338	9.682165	
13	3	12	70.4	1749	1507	10.935415	
14	1	17	67.9			11.597341	

Bin5 Statistics 6

CF=5278 MHz

Trial #	Pulse	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	63.6	1455	1904	0.397402	1
1	2	10	88	1787		1.207335	
2	1	14	58.9			1.524474	
3	3	15	64.1	1349	1580	2.177716	
4	3	9	73.1	1435	1485	2.893828	
5	3	6	83.4	1928	1631	3.656375	
6	1	10	81.1			4.200065	
7	2	12	72	1684		4.934299	
8	1	18	82.9			5.922232	
9	2	12	84.1	1051		6.163749	
10	3	8	73.3	1581	1781	7.220131	
11	2	6	99.1	1346		7.852756	
12	2	7	78.8	1761		8.366509	
13	2	11	72.9	1469		8.846258	
14	2	20	68.2	1868		9.818746	
15	2	8	59.5	1092		10.163908	
16	2	7	67.7	1265		10.741921	
17	2	19	64	1562		11.695235	

Bin5 Statistics 7

CF=5271 MHz

Trial #	Pulse	Chirp (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	98.1	1066		0.279162	1
1	1	19	88.9			0.756319	
2	3	19	50.1	1762	1897	1.627464	
3	3	10	82.6	1520	1319	2.240376	
4	2	6	95	1613		2.756349	
5	3	6	86.6	1830	1518	3.561885	
6	3	20	73	1370	1111	4.211287	
7	1	9	82.9			4.858262	
8	1	12	70.8			5.474096	
9	3	16	81.4	1968	1711	5.804551	
10	2	17	56.6	1641		6.581018	
11	2	18	75.3	1897		7.178142	
12	2	15	52.4	1807		8.003966	
13	3	15	77.4	1233	1528	8.398518	
14	2	9	64.8	1655		9.302591	
15	1	6	99.7			9.82095	
16	2	12	99.9	1311		10.211608	
17	2	17	78.9	1914		11.36033	
18	2	9	63.1	1189		11.962364	

Bin5 Statistics 8

CF=5280 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	55	1536		0.630672	1
1	3	11	83.9	1737	1138	1.011453	
2	3	16	86.2	1641	1440	2.517496	
3	2	20	77	1571		3.189175	
4	2	20	65.3	1775		4.454738	
5	2	17	90.2	1609		4.969797	
6	3	8	86.2	1789	1331	6.306296	
7	1	9	53			7.322422	
8	3	8	71.2	1008	1274	8.29238	
9	2	15	59.9	1306		9.15791	
10	1	10	87.7			9.519645	
11	2	10	64.5	1173		10.480031	
12	2	7	96.8	1937		11.308278	

Bin5 Statistics 9

CF=5274 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	74.5			0.480275	1
1	2	10	81	1670		1.185213	
2	2	10	74.9	1046		1.462781	
3	2	7	86.5	1683		2.557679	
4	3	7	54.3	1564	1960	3.111995	
5	2	15	72.7	1370		3.755687	
6	1	17	52.1			4.361242	
7	2	16	72	1226		4.904919	
8	2	14	59.6	1924		5.858761	
9	2	19	55.2	1474		6.207205	
10	2	9	59.4	1443		6.681373	
11	1	15	77.6			7.654319	
12	1	11	85.8			8.102429	
13	1	20	84.3			8.768603	
14	2	17	87.8	1758		9.495664	
15	2	20	50.9	1079		10.61754	
16	1	6	62.6			10.763146	
17	1	10	94.8			11.916145	

Bin5 Statistics 10

CF=5272 MHz

Trial #	Pulse	Chirp (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	82.7	1669		0.750593	1
1	3	13	98.3	1753	1698	1.995421	
2	2	7	62.5	1151		3.12452	
3	2	10	57.9	1970		3.590008	
4	2	8	82.4	1971		5.27877	
5	1	17	56.1			6.220692	
6	2	18	71.1	1711		6.902271	
7	3	19	59.3	1700	1783	7.983803	
8	3	8	85.2	1549	1575	9.452403	
9	2	14	93.5	1465		10.284268	
10	2	10	90.5	1818		11.452291	

Bin5 Statistics 11

CF=5271 MHz

Trial #	Pulse	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	89.5			1.269421	1
1	3	11	81.8	1528	1424	1.398732	
2	2	15	56.1	1545		3.061364	
3	1	7	66.5			4.311176	
4	1	18	61.9			5.838429	
5	2	20	90.6	1429		7.960371	
6	3	7	96.7	1696	1102	8.008086	
7	3	19	51.6	1281	1975	10.615218	
8	2	11	93.8	1381		11.235729	

Bin5 Statistics 12

CF=5286 MHz

Trial #	Pulse	Chirp (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	93.7	1515		0.496785	1
1	1	8	96.3			1.381523	
2	2	14	79.4	1913		2.853094	
3	3	7	64.8	1974	1609	3.399074	
4	3	17	97.6	1050	1557	4.31909	
5	3	11	60.9	1718	1822	5.193321	
6	1	8	50.3			6.526666	
7	1	8	58.7			7.496346	
8	3	9	69	1816	1848	8.515314	
9	3	16	51.1	1398	1284	9.505052	
10	1	6	92.6			10.83019	
11	1	5	81			11.567107	

Bin5 Statistics 13

CF=5281 MHz

Trial #	Pulse	Chirp (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	80.4	1286		0.420541	1
1	2	17	64.1	1807		1.8291	
2	2	10	62.4	1881		2.453991	
3	1	16	50.2			3.304551	
4	2	18	81.1	1311		4.219834	
5	1	15	94.9			5.485374	
6	3	11	79.7	1152	1973	6.471462	
7	2	10	79.8	1563		7.077665	
8	1	11	79.1			8.431083	
9	2	19	59.5	1083		9.444832	
10	3	10	72.9	1567	1961	10.577184	
11	2	13	76.3	1324		11.658883	

Bin5 Statistics 14

CF=5275 MHz

Trial #	Pulse	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	79.1	1637	1557	0.570262	1
1	1	10	84.3			0.70258	
2	3	11	77.4	1552	1611	1.611892	
3	1	11	86.2			2.157718	
4	1	12	85.9			3.272842	
5	3	16	58.7	1055	1263	3.543105	
6	1	9	67.5			4.483516	
7	1	13	63.4			4.853597	
8	2	12	78.5	1473		5.61502	
9	2	13	97.2	1117		6.337972	
10	2	14	68.7	1642		6.983072	
11	2	7	62.3	1082		7.920623	
12	2	19	72.8	1934		8.47344	
13	3	11	50.3	1731	1179	9.0058	
14	1	10	55.7			9.399955	
15	2	15	57.8	1703		10.240375	
16	1	20	87.2			10.839916	
17	3	17	97.1	1779	1553	11.385842	

Bin5 Statistics 15

CF=5283 MHz

Trial #	Pulse	Chirp (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	67.9	1316		0.310615	1
1	3	18	54.6	1541	1959	1.235878	
2	3	9	96.4	1072	1657	2.076896	
3	1	9	99.6			3.584241	
4	2	18	72.3	1019		4.791557	
5	2	10	83.9	1753		5.80862	
6	2	15	98.8	1393		6.599833	
7	1	14	99			7.4205	
8	3	20	73.9	1807	1178	8.585442	
9	2	14	95.4	1282		9.432962	
10	2	6	81.3	1883		10.553059	
11	2	6	80.3	1942		11.668264	

Bin5 Statistics 16

CF=5271 MHz

Trial #	Pulse	Chirp (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	77.2	1259		0.244705	1
1	1	6	90.7			0.715988	
2	2	11	83	1741		1.478304	
3	3	19	55.3	1178	1932	2.065904	
4	1	15	56.7			3.19225	
5	3	9	95.1	1496	1725	3.569548	
6	2	13	94.8	1023		4.521012	
7	1	10	85.8			5.144555	
8	2	18	59.1	1340		5.73885	
9	3	17	84.6	1483	1840	6.572695	
10	1	9	69.9			7.173747	
11	2	7	90	1075		7.465036	
12	2	12	67.3	1716		8.305476	
13	2	8	89.7	1560		9.103127	
14	3	14	95	1456	1057	9.478212	
15	2	18	70.2	1846		10.613305	
16	2	13	61.2	1470		11.093079	
17	2	15	63.5	1220		11.764893	

Bin5 Statistics 17

CF=5271 MHz

Trial #	Pulse	Chirp (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	88.7	1994		0.813536	1
1	3	18	54.8	1890	1287	1.382593	
2	3	8	99.8	1790	1531	2.517209	
3	3	11	87.7	1273	1851	3.374719	
4	1	16	75.6			4.607734	
5	2	13	90.3	1636		4.820368	
6	1	5	77.6			5.752446	
7	2	10	95.5	1978		6.561472	
8	2	15	70.8	1418		7.81811	
9	1	12	74.3			8.533171	
10	1	12	53			9.984144	
11	1	16	78.5			10.223821	
12	2	17	57.5	1756		11.405397	

Bin5 Statistics 18

CF=5278 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	56.7	1642		0.252881	1
1	1	15	54.2			1.447254	
2	2	7	81.6	1708		1.900334	
3	3	18	99.6	1151	1168	2.735434	
4	3	11	55.5	1665	1145	3.383909	
5	2	16	88.1	1367		4.016026	
6	1	14	64			5.138551	
7	2	20	51.7	1408		5.934063	
8	1	7	67.7			6.340859	
9	3	13	57.2	1179	1081	6.884302	
10	3	13	88.4	1362	1678	8.064971	
11	1	14	69.2			8.767529	
12	1	11	94.8			9.188669	
13	2	10	72.3	1178		10.261607	
14	3	11	57.6	1108	1767	10.505489	
15	2	19	85.7	1291		11.284605	

Bin5 Statistics 19

CF=5286 MHz

Trial #	Pulse	Chirp (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	58.7	1093		1.083654	1
1	2	12	74.1	1841		1.422231	
2	2	19	87.5	1732		2.946532	
3	2	19	87.5	1960		4.097938	
4	2	13	83.8	1947		4.981427	
5	3	20	85.6	1887	1713	5.486429	
6	3	19	72.2	1639	1849	7.243378	
7	1	15	86.7			8.187137	
8	1	15	60.8			9.398518	
9	1	13	79.2			10.105879	
10	2	17	76.8	1669		11.317035	

Bin5 Statistics 20

CF=5277 MHz

Trial #	Pulse	Chirp (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	69.5	1341		0.622398	1
1	3	14	65.9	1703	1539	0.94525	
2	2	7	76	1593		1.772294	
3	3	11	82.4	1212	1671	2.707932	
4	2	10	81.9	1811		3.222519	
5	2	10	94.6	1938		4.124975	
6	1	11	50.3			4.468056	
7	2	11	56.7	1164		5.25086	
8	3	14	54.3	1495	1408	5.950673	
9	2	17	93.2	1558		6.436842	
10	1	9	85.1			7.405732	
11	3	16	69.7	1595	1078	8.294865	
12	2	12	74.9	1520		8.777615	
13	2	13	94.4	1312		9.316836	
14	1	16	79.3			10.544014	
15	1	13	62.7			10.964571	
16	3	9	88.6	1754	1395	11.48775	

Bin5 Statistics 21

CF=5277 MHz

Trial #	Pulse	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	99.4			0.151583	1
1	3	17	57.1	1247	1475	0.913094	
2	2	10	75.4	1231		1.821442	
3	1	18	67.9			2.630996	
4	2	15	77.9	1636		3.865306	
5	2	14	71.4	1517		4.318989	
6	2	15	50.7	1132		5.535929	
7	2	14	97.3	1804		6.249723	
8	3	8	61.2	1300	1744	6.600756	
9	1	10	79.2			7.829394	
10	2	13	64.7	1901		8.227812	
11	2	13	90.9	1333		9.216401	
12	2	7	80.6	1103		10.152915	
13	2	7	57.5	1244		10.498804	
14	3	5	53.3	1708	1337	11.212662	

Bin5 Statistics 22

CF=5272 MHz

Trial #	Pulse	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	84.2			0.345934	1
1	2	14	51.5	1429		1.150002	
2	2	13	71.2	1367		1.622329	
3	3	9	78.4	1060	1442	2.014667	
4	1	14	63.6			3.060092	
5	2	7	74.9	1895		3.720367	
6	1	11	76.9			4.335455	
7	3	7	52.9	1948	1034	5.218948	
8	2	10	77	1468		5.642752	
9	2	10	72.2	1237		6.072141	
10	2	17	85	1092		6.6806	
11	2	20	95	1882		7.656757	
12	2	17	82.6	1624		8.243365	
13	3	12	96.8	1393	1516	8.829974	
14	1	6	86.3			9.553506	
15	2	8	51.7	1728		10.008928	
16	2	19	64.1	1145		11.078931	
17	3	13	93.3	1896	1026	11.609808	

Bin5 Statistics 23

CF=5279 MHz

Trial #	Pulse	Chirp (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	90.7	1656		0.012495	1
1	2	12	72.3	1694		0.868389	
2	1	6	87.6			1.698368	
3	3	7	92	1377	1497	2.01274	
4	3	9	92.6	1107	1937	2.98093	
5	2	8	78.7	1437		3.747658	
6	1	17	52			3.983389	
7	1	20	54.6			4.572573	
8	2	19	61.2	1254		5.481909	
9	3	11	60.7	1225	1938	5.798277	
10	2	8	79.4	1707		6.537394	
11	2	18	87.4	1299		7.384484	
12	2	10	82.7	1084		8.15994	
13	2	9	78.9	1623		8.833903	
14	3	14	82.7	1239	1719	9.309305	
15	1	19	64.6			9.905497	
16	1	18	63.3			10.119432	
17	2	14	59.8	1389		10.917861	
18	2	9	76.9	1126		11.572079	

Bin5 Statistics 24

CF=5270 MHz

Trial #	Pulse	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	94.9			0.231433	1
1	2	14	83.2	1235		0.686299	
2	3	8	58.6	1504	1045	1.665462	
3	2	18	86.4	1167		2.518769	
4	1	18	73.2			3.151394	
5	2	19	77.9	1456		3.810481	
6	1	11	52.5			4.527932	
7	3	11	70.8	1393	1303	5.034182	
8	3	10	74.8	1826	1995	5.738511	
9	3	7	66.7	1227	1214	6.03718	
10	1	12	78			6.880532	
11	2	9	69.8	1104		7.627644	
12	2	12	68.5	1630		8.106049	
13	2	18	95.6	1792		8.948466	
14	3	14	75.2	1366	1237	9.427147	
15	3	20	73.6	1232	1706	10.465092	
16	2	16	86.3	1724		10.714762	
17	2	8	90.6	1346		11.381869	

Bin5 Statistics 25

CF=5281 MHz

Trial #	Pulse	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	71.5	1460	1287	0.481009	1
1	3	7	91.4	1725	1113	0.68673	
2	2	10	78.7	1143		1.794815	
3	2	5	84.7	1868		2.500786	
4	3	15	83.3	1477	1748	3.100363	
5	1	10	79			3.397931	
6	1	19	81.9			4.51166	
7	2	10	86.7	1073		5.126537	
8	3	18	84.2	1816	1324	5.499917	
9	2	18	95.4	1547		6.332248	
10	2	12	69.7	1556		7.167823	
11	3	5	81.9	1139	1976	7.770453	
12	1	18	67.1			8.044115	
13	2	13	74.8	1090		8.89728	
14	2	14	89.9	1683		9.449575	
15	2	13	78.4	1448		10.076081	
16	2	11	72.3	1838		11.188393	
17	3	14	95.5	1680	1394	11.418142	

Bin5 Statistics 26

CF=5282 MHz

Trial #	Pulse	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	57.7	1456	1869	0.169473	1
1	2	12	89.9	1694		2.414207	
2	3	5	54.1	1777	1270	4.330942	
3	2	10	57.6	1995		5.925412	
4	3	7	97.8	1118	1322	6.411761	
5	2	8	56.9	1597		8.792901	
6	2	12	85.7	1523		9.949443	
7	3	7	78.6	1925	1181	11.721803	

Bin5 Statistics 27

CF=5282 MHz

Trial #	Pulse	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	85.2	1479	1476	0.585871	1
1	2	14	75.3	1918		1.167442	
2	1	19	52.8			1.616855	
3	2	7	60.9	1087		2.412761	
4	3	18	91.2	1587	1480	3.409018	
5	2	10	76.3	1577		4.255233	
6	1	6	50.5			4.958713	
7	3	12	95.8	1386	1679	5.303512	
8	2	14	96.7	1240		6.341437	
9	2	20	66.4	1489		7.309832	
10	2	7	53.7	1017		8.229781	
11	2	10	57.7	1363		8.401527	
12	2	7	53.9	1061		9.298748	
13	2	7	50.2	1570		10.311048	
14	2	8	67.9	1802		10.987649	
15	1	13	76.3			11.758216	

Bin5 Statistics 28

CF=5286 MHz

Trial #	Pulse	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	57.8			0.519913	1
1	1	8	83.4			0.897991	
2	1	12	81.8			1.579165	
3	1	19	62.6			2.198439	
4	3	16	76.5	1425	1395	2.905553	
5	3	11	83.5	1379	1563	3.112155	
6	3	11	87.3	1412	1202	4.147626	
7	1	14	78			4.227149	
8	2	10	78.3	1568		5.205171	
9	3	17	64.4	1625	1471	5.64593	
10	3	13	55.6	1607	1343	6.321837	
11	2	9	96.6	1497		7.040492	
12	2	10	55.6	1210		7.496055	
13	1	5	93			8.262455	
14	3	17	69.1	1362	1365	8.8689	
15	3	7	83.5	1970	1973	9.225621	
16	3	20	95.4	1067	1267	9.743752	
17	2	15	77.1	1773		10.232705	
18	3	7	76.8	1599	1290	10.88326	
19	2	19	90.9	1286		11.904906	

Bin5 Statistics 29

CF=5272 MHz

Trial #	Pulse	Chirp (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	77.3	1668		0.8365	1
1	2	7	89.2	1499		1.402609	
2	3	20	68.3	1250	1251	2.177669	
3	3	14	80.9	1157	1201	3.320931	
4	2	16	97.6	1516		3.571729	
5	2	10	81.4	1956		4.93932	
6	2	10	51.4	1724		5.466135	
7	1	13	61.3			6.62639	
8	3	19	95.5	1565	1513	7.004357	
9	2	9	63.2	1036		7.89267	
10	1	15	88.6			9.417732	
11	1	12	80.7			9.821989	
12	3	8	82.2	1534	1099	10.640782	
13	2	8	57.8	1625		11.657547	

Bin5 Statistics 30

CF=5283 MHz

Trial #	Pulse	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	81.3			0.145126	1
1	1	16	88.2			1.175841	
2	1	19	56.2			1.506176	
3	1	11	67.2			2.223533	
4	2	7	59.7	1714		3.106263	
5	1	20	74			3.734687	
6	2	10	93.1	1047		4.224988	
7	2	19	52.8	1963		4.90923	
8	2	18	71.8	1973		5.198891	
9	3	14	80.4	1583	1421	5.830156	
10	1	11	61.3			6.923164	
11	1	17	73			7.238436	
12	2	18	59.2	1910		7.758612	
13	3	11	63.4	1019	1677	8.418582	
14	3	20	78.6	1618	1637	9.294197	
15	1	19	89.7			9.711238	
16	1	19	74.3			10.456846	
17	2	19	77.9	1865		10.772101	
18	1	18	77.3			11.58282	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5280	9	1	333	1	5253.0, 5485.0, 5295.0, 5310.0, 5680.0, 5577.0, 5524.0, 5636.0, 5719.0, 5586.0, 5315.0, 5495.0, 5400.0, 5531.0, 5570.0, 5560.0, 5469.0, 5298.0, 5478.0, 5433.0, 5580.0, 5585.0, 5589.0, 5621.0, 5633.0, 5514.0, 5317.0, 5659.0, 5691.0, 5498.0, 5459.0, 5553.0, 5618.0, 5617.0, 5628.0, 5686.0, 5608.0, 5525.0, 5515.0, 5339.0, 5409.0, 5257.0, 5557.0, 5364.0, 5639.0, 5304.0, 5428.0, 5571.0, 5293.0, 5675.0, 5427.0, 5668.0, 5285.0, 5587.0, 5614.0, 5696.0, 5420.0, 5390.0, 5281.0, 5444.0, 5565.0, 5468.0, 5399.0, 5641.0, 5313.0, 5290.0, 5615.0, 5406.0, 5269.0, 5682.0, 5430.0, 5386.0, 5536.0, 5466.0, 5419.0, 5272.0, 5588.0, 5458.0, 5471.0, 5411.0, 5610.0, 5533.0, 5677.0, 5292.0, 5443.0, 5379.0, 5647.0, 5692.0, 5452.0, 5473.0, 5542.0, 5480.0, 5407.0, 5302.0, 5382.0, 5622.0, 5265.0, 5441.0, 5455.0, 5434.0 (number of hits: 3)
2	5280	9	1	333	1	5365.0, 5458.0, 5415.0, 5561.0, 5277.0, 5691.0, 5499.0, 5708.0, 5361.0, 5385.0, 5431.0, 5299.0, 5717.0, 5360.0, 5444.0, 5320.0, 5645.0, 5318.0, 5494.0, 5674.0, 5300.0, 5319.0, 5538.0, 5573.0, 5540.0, 5531.0, 5408.0, 5328.0, 5570.0, 5516.0, 5350.0, 5654.0, 5656.0, 5584.0, 5637.0, 5493.0, 5468.0, 5664.0, 5595.0, 5424.0, 5719.0, 5375.0, 5357.0, 5582.0, 5505.0, 5707.0, 5380.0, 5665.0, 5383.0, 5252.0, 5455.0, 5267.0, 5579.0, 5259.0, 5265.0, 5686.0, 5510.0, 5367.0, 5421.0, 5688.0, 5679.0, 5470.0, 5308.0, 5403.0, 5619.0, 5442.0, 5539.0, 5340.0, 5667.0, 5273.0, 5500.0, 5594.0, 5306.0, 5251.0, 5562.0, 5523.0, 5384.0, 5464.0, 5313.0, 5321.0, 5572.0, 5512.0, 5311.0, 5467.0, 5372.0, 5399.0, 5678.0, 5339.0, 5687.0, 5402.0, 5451.0, 5355.0, 5268.0, 5274.0, 5485.0, 5661.0, 5396.0, 5704.0, 5574.0, 5286.0 (number of hits: 4)
3	5280	9	1	333	1	5302.0, 5273.0, 5308.0, 5295.0, 5559.0, 5342.0, 5294.0, 5367.0, 5649.0, 5265.0, 5418.0, 5577.0, 5524.0, 5481.0, 5255.0, 5651.0, 5566.0, 5582.0, 5602.0, 5348.0, 5676.0, 5537.0, 5686.0, 5462.0, 5564.0, 5298.0, 5394.0, 5263.0, 5420.0, 5405.0, 5492.0, 5648.0, 5659.0, 5327.0, 5545.0, 5362.0, 5593.0, 5414.0, 5340.0, 5595.0, 5355.0, 5452.0, 5264.0, 5536.0, 5661.0, 5489.0, 5601.0, 5700.0, 5703.0, 5658.0, 5585.0, 5543.0, 5397.0, 5588.0, 5645.0, 5360.0, 5708.0, 5683.0, 5461.0, 5612.0, 5508.0, 5556.0, 5474.0, 5599.0, 5678.0,

						5364.0, 5570.0, 5459.0, 5301.0, 5516.0, 5334.0, 5622.0, 5456.0, 5624.0, 5640.0, 5597.0, 5668.0, 5262.0, 5670.0, 5608.0, 5538.0, 5410.0, 5468.0, 5561.0, 5669.0, 5438.0, 5390.0, 5535.0, 5282.0, 5605.0, 5515.0, 5621.0, 5638.0, 5665.0, 5523.0, 5386.0, 5425.0, 5349.0, 5430.0, 5715.0 (number of hits: 2)
4	5280	9	1	333	1	5351.0, 5511.0, 5290.0, 5671.0, 5295.0, 5532.0, 5460.0, 5705.0, 5495.0, 5702.0, 5715.0, 5526.0, 5468.0, 5260.0, 5723.0, 5481.0, 5498.0, 5292.0, 5390.0, 5402.0, 5453.0, 5698.0, 5603.0, 5307.0, 5484.0, 5687.0, 5682.0, 5546.0, 5279.0, 5555.0, 5504.0, 5346.0, 5349.0, 5401.0, 5320.0, 5336.0, 5339.0, 5624.0, 5554.0, 5700.0, 5384.0, 5650.0, 5323.0, 5634.0, 5713.0, 5608.0, 5335.0, 5410.0, 5338.0, 5572.0, 5440.0, 5435.0, 5472.0, 5569.0, 5703.0, 5454.0, 5721.0, 5485.0, 5631.0, 5254.0, 5340.0, 5513.0, 5491.0, 5407.0, 5274.0, 5619.0, 5581.0, 5291.0, 5651.0, 5666.0, 5374.0, 5544.0, 5543.0, 5451.0, 5379.0, 5360.0, 5366.0, 5501.0, 5640.0, 5689.0, 5638.0, 5389.0, 5521.0, 5353.0, 5516.0, 5662.0, 5649.0, 5464.0, 5371.0, 5297.0, 5308.0, 5707.0, 5434.0, 5585.0, 5622.0, 5409.0, 5688.0, 5621.0, 5668.0, 5257.0 (number of hits: 2)
5	5280	9	1	333	1	5615.0, 5665.0, 5518.0, 5296.0, 5525.0, 5468.0, 5546.0, 5308.0, 5599.0, 5574.0, 5661.0, 5627.0, 5410.0, 5252.0, 5503.0, 5392.0, 5593.0, 5703.0, 5368.0, 5578.0, 5469.0, 5374.0, 5684.0, 5710.0, 5697.0, 5371.0, 5267.0, 5643.0, 5313.0, 5321.0, 5666.0, 5465.0, 5580.0, 5276.0, 5439.0, 5715.0, 5711.0, 5680.0, 5420.0, 5660.0, 5269.0, 5490.0, 5573.0, 5379.0, 5286.0, 5364.0, 5327.0, 5334.0, 5558.0, 5463.0, 5387.0, 5551.0, 5658.0, 5501.0, 5280.0, 5372.0, 5422.0, 5405.0, 5521.0, 5640.0, 5304.0, 5516.0, 5485.0, 5498.0, 5540.0, 5512.0, 5584.0, 5587.0, 5320.0, 5466.0, 5591.0, 5481.0, 5402.0, 5548.0, 5311.0, 5431.0, 5474.0, 5271.0, 5505.0, 5426.0, 5702.0, 5375.0, 5654.0, 5367.0, 5335.0, 5549.0, 5437.0, 5349.0, 5604.0, 5351.0, 5432.0, 5633.0, 5362.0, 5560.0, 5307.0, 5418.0, 5482.0, 5606.0, 5585.0, 5393.0 (number of hits: 4)
6	5280	9	1	333	1	5694.0, 5268.0, 5515.0, 5684.0, 5669.0, 5520.0, 5490.0, 5400.0, 5586.0, 5258.0, 5583.0, 5348.0, 5404.0, 5452.0, 5259.0, 5682.0, 5291.0, 5453.0, 5601.0, 5714.0, 5389.0, 5451.0, 5385.0, 5517.0, 5495.0, 5333.0, 5427.0, 5623.0, 5441.0, 5276.0, 5705.0, 5420.0, 5283.0, 5477.0, 5428.0, 5634.0, 5640.0, 5337.0, 5542.0, 5412.0, 5701.0, 5491.0, 5396.0, 5608.0, 5664.0, 5264.0, 5673.0, 5299.0, 5474.0, 5523.0

						5588.0, 5620.0, 5500.0, 5585.0, 5359.0, 5655.0, 5675.0, 5717.0, 5715.0, 5318.0, 5480.0, 5399.0, 5448.0, 5653.0, 5690.0, 5530.0, 5273.0, 5410.0, 5277.0, 5407.0, 5722.0, 5429.0, 5481.0, 5603.0, 5340.0, 5373.0, 5384.0, 5709.0, 5518.0, 5630.0, 5563.0, 5343.0, 5360.0, 5436.0, 5361.0, 5484.0, 5275.0, 5308.0, 5686.0, 5658.0, 5539.0, 5279.0, 5387.0, 5425.0, 5402.0, 5540.0, 5285.0, 5489.0, 5689.0, 5388.0 (number of hits: 7)
7	5280	9	1	333	1	5262.0, 5646.0, 5339.0, 5450.0, 5607.0, 5711.0, 5447.0, 5462.0, 5273.0, 5269.0, 5386.0, 5651.0, 5481.0, 5289.0, 5422.0, 5642.0, 5470.0, 5381.0, 5678.0, 5293.0, 5363.0, 5568.0, 5417.0, 5413.0, 5722.0, 5333.0, 5586.0, 5523.0, 5542.0, 5316.0, 5434.0, 5342.0, 5254.0, 5566.0, 5547.0, 5533.0, 5630.0, 5478.0, 5599.0, 5655.0, 5475.0, 5477.0, 5482.0, 5643.0, 5604.0, 5594.0, 5504.0, 5572.0, 5452.0, 5347.0, 5589.0, 5556.0, 5650.0, 5693.0, 5498.0, 5303.0, 5467.0, 5675.0, 5521.0, 5290.0, 5616.0, 5613.0, 5433.0, 5519.0, 5324.0, 5436.0, 5697.0, 5350.0, 5373.0, 5581.0, 5382.0, 5453.0, 5614.0, 5313.0, 5308.0, 5456.0, 5250.0, 5530.0, 5564.0, 5522.0, 5451.0, 5592.0, 5510.0, 5538.0, 5657.0, 5291.0, 5474.0, 5579.0, 5682.0, 5719.0, 5319.0, 5673.0, 5627.0, 5294.0, 5605.0, 5444.0, 5353.0, 5421.0, 5283.0, 5701.0 (number of hits: 3)
8	5280	9	1	333	1	5589.0, 5597.0, 5602.0, 5254.0, 5547.0, 5702.0, 5453.0, 5578.0, 5530.0, 5386.0, 5635.0, 5413.0, 5630.0, 5509.0, 5591.0, 5342.0, 5366.0, 5625.0, 5546.0, 5568.0, 5583.0, 5374.0, 5371.0, 5311.0, 5622.0, 5604.0, 5536.0, 5707.0, 5267.0, 5627.0, 5439.0, 5556.0, 5296.0, 5681.0, 5680.0, 5520.0, 5710.0, 5616.0, 5419.0, 5646.0, 5689.0, 5537.0, 5346.0, 5438.0, 5664.0, 5626.0, 5606.0, 5590.0, 5506.0, 5353.0, 5283.0, 5456.0, 5637.0, 5350.0, 5364.0, 5638.0, 5470.0, 5396.0, 5417.0, 5510.0, 5600.0, 5575.0, 5699.0, 5572.0, 5455.0, 5471.0, 5492.0, 5479.0, 5529.0, 5539.0, 5650.0, 5303.0, 5493.0, 5715.0, 5686.0, 5414.0, 5648.0, 5564.0, 5669.0, 5460.0, 5639.0, 5499.0, 5631.0, 5722.0, 5563.0, 5544.0, 5706.0, 5545.0, 5292.0, 5613.0, 5598.0, 5488.0, 5321.0, 5432.0, 5466.0, 5434.0, 5259.0, 5649.0, 5548.0, 5667.0 (number of hits: 1)
9	5280	9	1	333	1	5274.0, 5356.0, 5363.0, 5635.0, 5681.0, 5333.0, 5608.0, 5299.0, 5699.0, 5264.0, 5257.0, 5273.0, 5517.0, 5605.0, 5413.0, 5719.0, 5600.0, 5374.0, 5309.0, 5575.0, 5675.0, 5641.0, 5604.0, 5440.0, 5683.0, 5541.0, 5409.0, 5654.0, 5677.0, 5301.0, 5642.0, 5297.0, 5487.0, 5689.0, 5252.0,

						5496.0, 5609.0, 5298.0, 5491.0, 5637.0, 5484.0, 5592.0, 5348.0, 5380.0, 5400.0, 5507.0, 5253.0, 5290.0, 5362.0, 5266.0, 5408.0, 5663.0, 5412.0, 5414.0, 5372.0, 5421.0, 5647.0, 5655.0, 5571.0, 5480.0, 5326.0, 5511.0, 5581.0, 5302.0, 5620.0, 5349.0, 5324.0, 5371.0, 5585.0, 5466.0, 5528.0, 5567.0, 5516.0, 5476.0, 5631.0, 5577.0, 5686.0, 5430.0, 5557.0, 5538.0, 5628.0, 5350.0, 5682.0, 5552.0, 5255.0, 5431.0, 5310.0, 5695.0, 5449.0, 5687.0, 5406.0, 5402.0, 5524.0, 5278.0, 5548.0, 5285.0, 5696.0, 5572.0, 5617.0, 5573.0 (number of hits: 4)
10	5280	9	1	333	1	5296.0, 5473.0, 5469.0, 5592.0, 5373.0, 5604.0, 5453.0, 5603.0, 5682.0, 5591.0, 5686.0, 5398.0, 5724.0, 5430.0, 5705.0, 5357.0, 5381.0, 5498.0, 5720.0, 5441.0, 5523.0, 5662.0, 5314.0, 5476.0, 5629.0, 5694.0, 5377.0, 5434.0, 5330.0, 5280.0, 5274.0, 5327.0, 5447.0, 5443.0, 5456.0, 5627.0, 5672.0, 5633.0, 5399.0, 5661.0, 5392.0, 5454.0, 5497.0, 5319.0, 5411.0, 5708.0, 5538.0, 5652.0, 5429.0, 5676.0, 5654.0, 5257.0, 5410.0, 5597.0, 5647.0, 5486.0, 5471.0, 5385.0, 5444.0, 5424.0, 5413.0, 5616.0, 5462.0, 5513.0, 5574.0, 5335.0, 5560.0, 5503.0, 5449.0, 5442.0, 5653.0, 5467.0, 5435.0, 5328.0, 5583.0, 5345.0, 5632.0, 5401.0, 5397.0, 5317.0, 5688.0, 5534.0, 5582.0, 5333.0, 5659.0, 5530.0, 5564.0, 5665.0, 5480.0, 5677.0, 5599.0, 5598.0, 5612.0, 5309.0, 5607.0, 5631.0, 5272.0, 5546.0, 5579.0, 5353.0 (number of hits: 3)
11	5280	9	1	333	1	5363.0, 5647.0, 5648.0, 5355.0, 5350.0, 5440.0, 5626.0, 5556.0, 5598.0, 5255.0, 5352.0, 5646.0, 5602.0, 5534.0, 5391.0, 5469.0, 5364.0, 5260.0, 5370.0, 5691.0, 5425.0, 5631.0, 5316.0, 5622.0, 5546.0, 5452.0, 5324.0, 5298.0, 5342.0, 5636.0, 5645.0, 5559.0, 5344.0, 5343.0, 5547.0, 5541.0, 5408.0, 5594.0, 5664.0, 5532.0, 5306.0, 5531.0, 5502.0, 5498.0, 5493.0, 5402.0, 5439.0, 5708.0, 5310.0, 5271.0, 5617.0, 5632.0, 5346.0, 5281.0, 5289.0, 5686.0, 5485.0, 5365.0, 5292.0, 5330.0, 5654.0, 5337.0, 5519.0, 5477.0, 5341.0, 5643.0, 5358.0, 5513.0, 5568.0, 5713.0, 5655.0, 5693.0, 5447.0, 5381.0, 5697.0, 5620.0, 5416.0, 5724.0, 5673.0, 5488.0, 5406.0, 5571.0, 5674.0, 5273.0, 5526.0, 5514.0, 5466.0, 5252.0, 5313.0, 5701.0, 5714.0, 5710.0, 5703.0, 5483.0, 5263.0, 5627.0, 5392.0, 5379.0, 5476.0, 5293.0 (number of hits: 4)
12	5280	9	1	333	1	5528.0, 5450.0, 5323.0, 5485.0, 5254.0, 5278.0, 5656.0, 5658.0, 5289.0, 5547.0, 5526.0, 5588.0, 5353.0, 5379.0, 5398.0, 5550.0, 5610.0, 5690.0, 5404.0, 5454.0,

						5339.0, 5331.0, 5426.0, 5288.0, 5360.0, 5553.0, 5625.0, 5382.0, 5291.0, 5296.0, 5253.0, 5475.0, 5540.0, 5337.0, 5446.0, 5719.0, 5561.0, 5594.0, 5466.0, 5496.0, 5354.0, 5265.0, 5322.0, 5411.0, 5552.0, 5675.0, 5367.0, 5674.0, 5315.0, 5449.0, 5655.0, 5316.0, 5681.0, 5312.0, 5505.0, 5688.0, 5684.0, 5621.0, 5653.0, 5706.0, 5484.0, 5401.0, 5554.0, 5592.0, 5410.0, 5533.0, 5565.0, 5483.0, 5266.0, 5600.0, 5673.0, 5295.0, 5626.0, 5300.0, 5543.0, 5659.0, 5584.0, 5492.0, 5669.0, 5437.0, 5421.0, 5558.0, 5603.0, 5376.0, 5627.0, 5397.0, 5422.0, 5519.0, 5633.0, 5320.0, 5358.0, 5591.0, 5275.0, 5696.0, 5311.0, 5589.0, 5513.0, 5720.0, 5640.0, 5270.0 (number of hits: 5)
13	5280	9	1	333	1	5276.0, 5485.0, 5649.0, 5594.0, 5600.0, 5714.0, 5585.0, 5358.0, 5317.0, 5368.0, 5555.0, 5720.0, 5686.0, 5396.0, 5386.0, 5543.0, 5643.0, 5407.0, 5277.0, 5366.0, 5674.0, 5619.0, 5298.0, 5405.0, 5524.0, 5659.0, 5683.0, 5387.0, 5256.0, 5691.0, 5459.0, 5520.0, 5262.0, 5694.0, 5500.0, 5722.0, 5409.0, 5657.0, 5610.0, 5445.0, 5375.0, 5644.0, 5498.0, 5598.0, 5502.0, 5511.0, 5406.0, 5378.0, 5316.0, 5681.0, 5471.0, 5414.0, 5388.0, 5595.0, 5604.0, 5651.0, 5606.0, 5617.0, 5707.0, 5296.0, 5478.0, 5639.0, 5452.0, 5565.0, 5280.0, 5717.0, 5522.0, 5383.0, 5444.0, 5362.0, 5360.0, 5650.0, 5305.0, 5509.0, 5318.0, 5401.0, 5325.0, 5677.0, 5448.0, 5393.0, 5392.0, 5370.0, 5353.0, 5412.0, 5443.0, 5532.0, 5580.0, 5371.0, 5523.0, 5340.0, 5336.0, 5438.0, 5429.0, 5682.0, 5466.0, 5273.0, 5567.0, 5647.0, 5345.0, 5499.0 (number of hits: 4)
14	5280	9	1	333	1	5559.0, 5309.0, 5667.0, 5551.0, 5609.0, 5508.0, 5414.0, 5501.0, 5534.0, 5583.0, 5317.0, 5633.0, 5546.0, 5287.0, 5541.0, 5289.0, 5631.0, 5491.0, 5301.0, 5265.0, 5251.0, 5563.0, 5451.0, 5653.0, 5499.0, 5318.0, 5404.0, 5250.0, 5402.0, 5657.0, 5510.0, 5520.0, 5415.0, 5560.0, 5316.0, 5715.0, 5594.0, 5648.0, 5596.0, 5344.0, 5632.0, 5486.0, 5400.0, 5454.0, 5270.0, 5570.0, 5581.0, 5674.0, 5288.0, 5606.0, 5557.0, 5444.0, 5272.0, 5308.0, 5351.0, 5562.0, 5540.0, 5261.0, 5719.0, 5593.0, 5722.0, 5645.0, 5412.0, 5258.0, 5483.0, 5390.0, 5421.0, 5329.0, 5406.0, 5622.0, 5426.0, 5580.0, 5475.0, 5552.0, 5405.0, 5411.0, 5385.0, 5419.0, 5420.0, 5620.0, 5285.0, 5637.0, 5561.0, 5254.0, 5706.0, 5680.0, 5291.0, 5643.0, 5469.0, 5257.0, 5348.0, 5452.0, 5338.0, 5650.0, 5364.0, 5652.0, 5647.0, 5639.0, 5435.0, 5430.0 (number of hits: 6)
15	5280	9	1	333	1	5675.0, 5266.0, 5349.0, 5539.0, 5291.0,

						5554.0, 5425.0, 5402.0, 5618.0, 5708.0, 5633.0, 5343.0, 5655.0, 5296.0, 5342.0, 5369.0, 5364.0, 5680.0, 5388.0, 5604.0, 5663.0, 5430.0, 5448.0, 5580.0, 5584.0, 5347.0, 5467.0, 5557.0, 5710.0, 5590.0, 5642.0, 5359.0, 5294.0, 5720.0, 5368.0, 5464.0, 5639.0, 5277.0, 5418.0, 5670.0, 5374.0, 5256.0, 5255.0, 5299.0, 5468.0, 5440.0, 5678.0, 5441.0, 5649.0, 5251.0, 5465.0, 5692.0, 5375.0, 5406.0, 5537.0, 5558.0, 5350.0, 5288.0, 5366.0, 5704.0, 5319.0, 5595.0, 5615.0, 5697.0, 5306.0, 5699.0, 5534.0, 5679.0, 5634.0, 5358.0, 5454.0, 5609.0, 5391.0, 5303.0, 5372.0, 5469.0, 5705.0, 5487.0, 5681.0, 5477.0, 5567.0, 5269.0, 5426.0, 5253.0, 5476.0, 5274.0, 5302.0, 5470.0, 5461.0, 5652.0, 5641.0, 5700.0, 5546.0, 5588.0, 5585.0, 5481.0, 5524.0, 5555.0, 5711.0, 5593.0 (number of hits: 3)
16	5280	9	1	333	1	5469.0, 5707.0, 5689.0, 5631.0, 5639.0, 5305.0, 5291.0, 5333.0, 5645.0, 5493.0, 5298.0, 5584.0, 5479.0, 5272.0, 5299.0, 5443.0, 5442.0, 5671.0, 5706.0, 5602.0, 5284.0, 5327.0, 5494.0, 5715.0, 5348.0, 5550.0, 5502.0, 5580.0, 5392.0, 5476.0, 5516.0, 5393.0, 5573.0, 5460.0, 5355.0, 5371.0, 5295.0, 5673.0, 5581.0, 5311.0, 5692.0, 5599.0, 5319.0, 5436.0, 5564.0, 5271.0, 5322.0, 5686.0, 5449.0, 5567.0, 5625.0, 5612.0, 5511.0, 5324.0, 5574.0, 5548.0, 5600.0, 5504.0, 5403.0, 5462.0, 5658.0, 5484.0, 5694.0, 5414.0, 5289.0, 5451.0, 5635.0, 5475.0, 5372.0, 5487.0, 5628.0, 5514.0, 5358.0, 5466.0, 5412.0, 5308.0, 5685.0, 5570.0, 5638.0, 5381.0, 5659.0, 5279.0, 5302.0, 5512.0, 5439.0, 5456.0, 5418.0, 5276.0, 5256.0, 5468.0, 5369.0, 5336.0, 5582.0, 5360.0, 5254.0, 5697.0, 5353.0, 5568.0, 5545.0, 5282.0 (number of hits: 7)
17	5280	9	1	333	1	5503.0, 5501.0, 5529.0, 5260.0, 5298.0, 5309.0, 5586.0, 5604.0, 5422.0, 5654.0, 5446.0, 5674.0, 5372.0, 5457.0, 5634.0, 5328.0, 5678.0, 5591.0, 5597.0, 5300.0, 5683.0, 5479.0, 5417.0, 5687.0, 5542.0, 5482.0, 5344.0, 5594.0, 5366.0, 5649.0, 5410.0, 5596.0, 5425.0, 5578.0, 5510.0, 5658.0, 5379.0, 5428.0, 5251.0, 5313.0, 5381.0, 5498.0, 5513.0, 5412.0, 5397.0, 5544.0, 5455.0, 5452.0, 5438.0, 5721.0, 5698.0, 5324.0, 5515.0, 5362.0, 5689.0, 5433.0, 5448.0, 5601.0, 5519.0, 5270.0, 5444.0, 5672.0, 5486.0, 5306.0, 5507.0, 5312.0, 5499.0, 5330.0, 5391.0, 5662.0, 5334.0, 5629.0, 5546.0, 5618.0, 5690.0, 5340.0, 5352.0, 5477.0, 5316.0, 5271.0, 5407.0, 5608.0, 5723.0, 5512.0, 5590.0, 5359.0, 5276.0, 5681.0, 5301.0, 5261.0, 5653.0, 5688.0, 5588.0, 5357.0, 5419.0,

						5304.0, 5423.0, 5377.0, 5667.0, 5365.0 (number of hits: 3)
18	5280	9	1	333	1	5666.0, 5516.0, 5634.0, 5342.0, 5407.0, 5412.0, 5272.0, 5556.0, 5635.0, 5317.0, 5281.0, 5712.0, 5297.0, 5442.0, 5674.0, 5260.0, 5692.0, 5493.0, 5277.0, 5637.0, 5618.0, 5322.0, 5529.0, 5660.0, 5646.0, 5719.0, 5406.0, 5254.0, 5638.0, 5385.0, 5393.0, 5609.0, 5514.0, 5683.0, 5722.0, 5496.0, 5628.0, 5679.0, 5374.0, 5379.0, 5697.0, 5323.0, 5334.0, 5396.0, 5464.0, 5483.0, 5676.0, 5699.0, 5386.0, 5647.0, 5520.0, 5633.0, 5584.0, 5267.0, 5623.0, 5585.0, 5263.0, 5718.0, 5663.0, 5310.0, 5394.0, 5466.0, 5292.0, 5714.0, 5409.0, 5382.0, 5651.0, 5620.0, 5419.0, 5316.0, 5257.0, 5509.0, 5437.0, 5380.0, 5600.0, 5636.0, 5720.0, 5289.0, 5299.0, 5296.0, 5266.0, 5506.0, 5353.0, 5611.0, 5576.0, 5568.0, 5275.0, 5550.0, 5264.0, 5650.0, 5523.0, 5588.0, 5432.0, 5426.0, 5314.0, 5433.0, 5602.0, 5408.0, 5684.0, 5540.0 (number of hits: 5)
19	5280	9	1	333	1	5656.0, 5490.0, 5684.0, 5252.0, 5695.0, 5452.0, 5346.0, 5268.0, 5319.0, 5432.0, 5357.0, 5617.0, 5536.0, 5407.0, 5415.0, 5334.0, 5484.0, 5560.0, 5642.0, 5254.0, 5516.0, 5263.0, 5438.0, 5284.0, 5556.0, 5626.0, 5481.0, 5394.0, 5418.0, 5332.0, 5311.0, 5460.0, 5316.0, 5371.0, 5269.0, 5480.0, 5609.0, 5681.0, 5296.0, 5326.0, 5624.0, 5445.0, 5455.0, 5283.0, 5330.0, 5578.0, 5264.0, 5562.0, 5506.0, 5436.0, 5299.0, 5524.0, 5638.0, 5392.0, 5307.0, 5663.0, 5406.0, 5285.0, 5482.0, 5621.0, 5464.0, 5380.0, 5256.0, 5587.0, 5289.0, 5366.0, 5270.0, 5700.0, 5388.0, 5280.0, 5350.0, 5665.0, 5487.0, 5675.0, 5577.0, 5646.0, 5596.0, 5364.0, 5274.0, 5664.0, 5583.0, 5579.0, 5287.0, 5417.0, 5632.0, 5377.0, 5546.0, 5699.0, 5553.0, 5439.0, 5337.0, 5530.0, 5720.0, 5704.0, 5259.0, 5260.0, 5573.0, 5680.0, 5653.0, 5591.0 (number of hits: 8)
20	5280	9	1	333	1	5608.0, 5712.0, 5591.0, 5365.0, 5606.0, 5291.0, 5696.0, 5464.0, 5369.0, 5648.0, 5554.0, 5639.0, 5269.0, 5622.0, 5600.0, 5599.0, 5640.0, 5283.0, 5380.0, 5671.0, 5436.0, 5419.0, 5684.0, 5646.0, 5301.0, 5394.0, 5658.0, 5342.0, 5487.0, 5479.0, 5507.0, 5270.0, 5503.0, 5558.0, 5326.0, 5692.0, 5299.0, 5420.0, 5724.0, 5562.0, 5575.0, 5654.0, 5545.0, 5531.0, 5278.0, 5691.0, 5462.0, 5496.0, 5329.0, 5311.0, 5279.0, 5668.0, 5586.0, 5514.0, 5425.0, 5481.0, 5446.0, 5359.0, 5550.0, 5694.0, 5509.0, 5644.0, 5376.0, 5473.0, 5697.0, 5579.0, 5718.0, 5357.0, 5338.0, 5412.0, 5343.0, 5540.0, 5607.0, 5699.0, 5588.0, 5303.0, 5293.0, 5675.0, 5345.0, 5290.0,

						5638.0, 5505.0, 5615.0, 5435.0, 5318.0, 5330.0, 5695.0, 5273.0, 5266.0, 5602.0, 5573.0, 5437.0, 5274.0, 5629.0, 5516.0, 5354.0, 5535.0, 5616.0, 5584.0, 5332.0 (number of hits: 6)
21	5280	9	1	333	1	5446.0, 5290.0, 5518.0, 5429.0, 5588.0, 5283.0, 5366.0, 5639.0, 5267.0, 5594.0, 5291.0, 5463.0, 5335.0, 5255.0, 5623.0, 5257.0, 5464.0, 5546.0, 5572.0, 5279.0, 5650.0, 5490.0, 5542.0, 5707.0, 5338.0, 5352.0, 5277.0, 5250.0, 5710.0, 5590.0, 5433.0, 5441.0, 5516.0, 5701.0, 5666.0, 5668.0, 5295.0, 5349.0, 5293.0, 5451.0, 5405.0, 5582.0, 5287.0, 5428.0, 5536.0, 5636.0, 5500.0, 5611.0, 5551.0, 5571.0, 5425.0, 5445.0, 5627.0, 5509.0, 5350.0, 5620.0, 5564.0, 5252.0, 5578.0, 5469.0, 5482.0, 5631.0, 5625.0, 5570.0, 5709.0, 5561.0, 5341.0, 5355.0, 5487.0, 5472.0, 5521.0, 5544.0, 5702.0, 5438.0, 5340.0, 5261.0, 5524.0, 5367.0, 5422.0, 5360.0, 5381.0, 5456.0, 5660.0, 5294.0, 5532.0, 5400.0, 5368.0, 5705.0, 5371.0, 5522.0, 5420.0, 5657.0, 5501.0, 5481.0, 5565.0, 5466.0, 5285.0, 5618.0, 5602.0, 5673.0 (number of hits: 5)
22	5280	9	1	333	1	5699.0, 5504.0, 5509.0, 5429.0, 5552.0, 5290.0, 5329.0, 5349.0, 5551.0, 5560.0, 5384.0, 5653.0, 5669.0, 5289.0, 5597.0, 5285.0, 5324.0, 5684.0, 5644.0, 5710.0, 5422.0, 5592.0, 5616.0, 5522.0, 5662.0, 5629.0, 5535.0, 5367.0, 5420.0, 5615.0, 5617.0, 5345.0, 5668.0, 5415.0, 5514.0, 5594.0, 5456.0, 5308.0, 5555.0, 5439.0, 5697.0, 5674.0, 5468.0, 5568.0, 5359.0, 5488.0, 5686.0, 5531.0, 5447.0, 5396.0, 5398.0, 5700.0, 5657.0, 5520.0, 5663.0, 5385.0, 5299.0, 5709.0, 5407.0, 5397.0, 5328.0, 5525.0, 5547.0, 5590.0, 5271.0, 5625.0, 5477.0, 5288.0, 5634.0, 5356.0, 5334.0, 5336.0, 5441.0, 5401.0, 5518.0, 5575.0, 5332.0, 5563.0, 5706.0, 5649.0, 5375.0, 5264.0, 5309.0, 5486.0, 5338.0, 5620.0, 5601.0, 5286.0, 5705.0, 5599.0, 5259.0, 5659.0, 5428.0, 5370.0, 5642.0, 5564.0, 5589.0, 5358.0, 5400.0, 5530.0 (number of hits: 5)
23	5280	9	1	333	1	5606.0, 5324.0, 5607.0, 5485.0, 5690.0, 5544.0, 5356.0, 5567.0, 5484.0, 5340.0, 5697.0, 5445.0, 5723.0, 5614.0, 5329.0, 5345.0, 5548.0, 5415.0, 5625.0, 5408.0, 5561.0, 5473.0, 5569.0, 5398.0, 5276.0, 5557.0, 5514.0, 5253.0, 5578.0, 5703.0, 5309.0, 5721.0, 5541.0, 5301.0, 5460.0, 5717.0, 5281.0, 5593.0, 5688.0, 5610.0, 5599.0, 5325.0, 5572.0, 5622.0, 5563.0, 5294.0, 5594.0, 5640.0, 5482.0, 5284.0, 5700.0, 5463.0, 5461.0, 5722.0, 5503.0, 5438.0, 5568.0, 5582.0, 5534.0, 5381.0, 5287.0, 5665.0, 5694.0, 5426.0, 5377.0,

						5715.0, 5691.0, 5539.0, 5636.0, 5464.0, 5671.0, 5680.0, 5720.0, 5674.0, 5257.0, 5685.0, 5498.0, 5305.0, 5676.0, 5327.0, 5419.0, 5361.0, 5472.0, 5579.0, 5273.0, 5334.0, 5409.0, 5314.0, 5272.0, 5478.0, 5669.0, 5477.0, 5580.0, 5652.0, 5259.0, 5524.0, 5359.0, 5536.0, 5714.0, 5532.0 (number of hits: 6)
24	5280	9	1	333	1	5562.0, 5468.0, 5557.0, 5508.0, 5305.0, 5451.0, 5688.0, 5369.0, 5344.0, 5456.0, 5646.0, 5677.0, 5410.0, 5627.0, 5274.0, 5569.0, 5276.0, 5718.0, 5549.0, 5721.0, 5429.0, 5438.0, 5383.0, 5316.0, 5287.0, 5431.0, 5554.0, 5659.0, 5635.0, 5717.0, 5318.0, 5338.0, 5592.0, 5619.0, 5334.0, 5491.0, 5621.0, 5547.0, 5674.0, 5567.0, 5553.0, 5652.0, 5265.0, 5715.0, 5600.0, 5290.0, 5712.0, 5483.0, 5671.0, 5647.0, 5538.0, 5327.0, 5606.0, 5284.0, 5385.0, 5555.0, 5419.0, 5580.0, 5418.0, 5723.0, 5469.0, 5632.0, 5612.0, 5463.0, 5437.0, 5701.0, 5719.0, 5527.0, 5371.0, 5413.0, 5664.0, 5465.0, 5663.0, 5457.0, 5675.0, 5273.0, 5620.0, 5317.0, 5525.0, 5615.0, 5253.0, 5268.0, 5377.0, 5266.0, 5636.0, 5684.0, 5417.0, 5589.0, 5475.0, 5552.0, 5595.0, 5655.0, 5285.0, 5384.0, 5512.0, 5372.0, 5604.0, 5509.0, 5564.0, 5286.0 (number of hits: 7)
25	5280	9	1	333	1	5579.0, 5364.0, 5575.0, 5302.0, 5507.0, 5702.0, 5611.0, 5625.0, 5616.0, 5722.0, 5273.0, 5383.0, 5307.0, 5455.0, 5391.0, 5609.0, 5448.0, 5543.0, 5327.0, 5375.0, 5432.0, 5652.0, 5340.0, 5509.0, 5687.0, 5695.0, 5646.0, 5469.0, 5423.0, 5503.0, 5400.0, 5353.0, 5626.0, 5438.0, 5640.0, 5290.0, 5298.0, 5631.0, 5345.0, 5396.0, 5270.0, 5491.0, 5490.0, 5445.0, 5447.0, 5485.0, 5370.0, 5559.0, 5588.0, 5690.0, 5565.0, 5568.0, 5672.0, 5552.0, 5627.0, 5496.0, 5425.0, 5308.0, 5567.0, 5647.0, 5669.0, 5670.0, 5295.0, 5678.0, 5428.0, 5409.0, 5319.0, 5596.0, 5369.0, 5259.0, 5405.0, 5710.0, 5465.0, 5520.0, 5704.0, 5705.0, 5694.0, 5418.0, 5592.0, 5348.0, 5280.0, 5357.0, 5407.0, 5633.0, 5480.0, 5619.0, 5452.0, 5412.0, 5604.0, 5426.0, 5686.0, 5644.0, 5250.0, 5525.0, 5397.0, 5267.0, 5427.0, 5457.0, 5349.0, 5393.0 (number of hits: 3)
26	5280	9	1	333	1	5293.0, 5685.0, 5303.0, 5583.0, 5498.0, 5331.0, 5391.0, 5286.0, 5507.0, 5553.0, 5551.0, 5254.0, 5508.0, 5326.0, 5449.0, 5604.0, 5437.0, 5577.0, 5339.0, 5635.0, 5400.0, 5693.0, 5269.0, 5314.0, 5701.0, 5530.0, 5461.0, 5393.0, 5572.0, 5599.0, 5452.0, 5628.0, 5700.0, 5503.0, 5724.0, 5663.0, 5488.0, 5566.0, 5564.0, 5531.0, 5615.0, 5576.0, 5653.0, 5263.0, 5365.0, 5586.0, 5667.0, 5312.0, 5268.0, 5519.0,

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28	5280	9	1	333	1	5383.0, 5613.0, 5289.0, 5551.0, 5400.0, 5568.0, 5457.0, 5276.0, 5598.0, 5547.0, 5484.0, 5591.0, 5709.0, 5403.0, 5623.0, 5344.0, 5433.0, 5630.0, 5522.0, 5701.0, 5679.0, 5430.0, 5449.0, 5460.0, 5445.0, 5626.0, 5407.0, 5442.0, 5440.0, 5401.0, 5708.0, 5290.0, 5414.0, 5382.0, 5534.0, 5690.0, 5602.0, 5376.0, 5297.0, 5521.0, 5643.0, 5352.0, 5541.0, 5712.0, 5657.0, 5466.0, 5510.0, 5665.0, 5671.0, 5325.0, 5627.0, 5288.0, 5318.0, 5277.0, 5608.0, 5308.0, 5322.0, 5408.0, 5439.0, 5549.0, 5590.0, 5427.0, 5558.0, 5557.0, 5485.0, 5574.0, 5398.0, 5587.0, 5615.0, 5492.0, 5475.0, 5653.0, 5540.0, 5349.0, 5252.0, 5533.0, 5575.0, 5706.0, 5685.0, 5536.0, 5573.0, 5368.0, 5559.0, 5717.0, 5473.0, 5636.0, 5389.0, 5529.0, 5384.0, 5617.0, 5363.0, 5624.0, 5483.0, 5438.0, 5303.0, 5711.0, 5610.0, 5564.0, 5405.0, 5673.0 (number of hits: 4)
29	5280	9	1	333	1	5563.0, 5272.0, 5367.0, 5262.0, 5571.0, 5522.0, 5321.0, 5253.0, 5551.0, 5349.0, 5274.0, 5599.0, 5437.0, 5525.0, 5680.0, 5484.0, 5681.0, 5694.0, 5338.0, 5425.0, 5445.0, 5552.0, 5514.0, 5329.0, 5363.0, 5601.0, 5350.0, 5657.0, 5265.0, 5543.0, 5331.0, 5289.0, 5424.0, 5492.0, 5697.0,

						5344.0, 5509.0, 5454.0, 5319.0, 5476.0, 5614.0, 5691.0, 5276.0, 5608.0, 5345.0, 5480.0, 5576.0, 5434.0, 5466.0, 5721.0, 5497.0, 5695.0, 5381.0, 5407.0, 5565.0, 5611.0, 5477.0, 5501.0, 5316.0, 5693.0, 5570.0, 5516.0, 5463.0, 5656.0, 5610.0, 5333.0, 5567.0, 5696.0, 5618.0, 5394.0, 5365.0, 5280.0, 5359.0, 5269.0, 5337.0, 5452.0, 5362.0, 5390.0, 5617.0, 5534.0, 5422.0, 5495.0, 5464.0, 5519.0, 5442.0, 5586.0, 5700.0, 5429.0, 5555.0, 5263.0, 5379.0, 5323.0, 5369.0, 5661.0, 5471.0, 5308.0, 5397.0, 5413.0, 5472.0, 5315.0 (number of hits: 5)
30	5280	9	1	333	1	5545.0, 5447.0, 5466.0, 5475.0, 5552.0, 5430.0, 5471.0, 5313.0, 5436.0, 5452.0, 5485.0, 5569.0, 5351.0, 5439.0, 5386.0, 5276.0, 5337.0, 5259.0, 5643.0, 5331.0, 5379.0, 5614.0, 5285.0, 5670.0, 5270.0, 5441.0, 5444.0, 5354.0, 5271.0, 5622.0, 5587.0, 5564.0, 5652.0, 5644.0, 5619.0, 5678.0, 5343.0, 5286.0, 5648.0, 5534.0, 5600.0, 5283.0, 5568.0, 5527.0, 5428.0, 5621.0, 5279.0, 5697.0, 5427.0, 5558.0, 5685.0, 5721.0, 5665.0, 5543.0, 5711.0, 5651.0, 5257.0, 5682.0, 5695.0, 5500.0, 5555.0, 5688.0, 5280.0, 5580.0, 5469.0, 5557.0, 5612.0, 5287.0, 5273.0, 5467.0, 5544.0, 5457.0, 5455.0, 5533.0, 5508.0, 5518.0, 5556.0, 5269.0, 5297.0, 5306.0, 5649.0, 5429.0, 5293.0, 5588.0, 5668.0, 5666.0, 5715.0, 5390.0, 5258.0, 5613.0, 5637.0, 5320.0, 5378.0, 5594.0, 5559.0, 5494.0, 5720.0, 5406.0, 5723.0, 5639.0 (number of hits: 10)

5580 MHz, 20 MHz Bandwidth

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

Please refer to the following statistical tables:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5580	67	1	798	1
2	5580	57	1	938	1
3	5580	78	1	678	1
4	5580	58	1	918	1
5	5580	68	1	778	1
6	5580	59	1	898	1
7	5580	65	1	818	1
8	5580	70	1	758	1
9	5580	89	1	598	1
10	5580	81	1	658	1
11	5580	92	1	578	1
12	5580	74	1	718	1
13	5580	99	1	538	1
14	5580	83	1	638	1
15	5580	61	1	878	1
16	5580	60	1	883	1
17	5580	43	1	1247	1
18	5580	78	1	679	1
19	5580	40	1	1348	1
20	5580	65	1	823	1
21	5580	28	1	1910	1
22	5580	18	1	2938	1
23	5580	53	1	1007	1
24	5580	68	1	781	1
25	5580	25	1	2176	1
26	5580	30	1	1776	1
27	5580	26	1	2058	1
28	5580	48	1	1110	1
29	5580	23	1	2395	1
30	5580	43	1	1238	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5580	27	3	181	1
2	5580	24	1.7	152	1
3	5580	25	1	174	1
4	5580	26	1.6	172	1
5	5580	23	3.3	172	1
6	5580	28	2.3	163	1
7	5580	24	2.1	214	1
8	5580	23	2.9	159	1
9	5580	25	3	218	1
10	5580	27	4.2	164	1
11	5580	24	4.9	175	1
12	5580	23	2	150	1
13	5580	25	4.2	159	1
14	5580	23	3.4	171	1
15	5580	28	3.9	204	1
16	5580	25	3.4	169	1
17	5580	28	2.6	175	1
18	5580	29	3	174	1
19	5580	29	4.2	202	1
20	5580	24	1.1	166	1
21	5580	29	1.5	208	1
22	5580	28	3.4	159	1
23	5580	24	4.1	155	1
24	5580	27	1.5	167	1
25	5580	23	2.4	170	1
26	5580	28	1.4	195	1
27	5580	24	4.2	168	1
28	5580	27	2.3	189	1
29	5580	27	3.3	174	1
30	5580	24	2.7	220	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5580	18	10	260	1
2	5580	17	8	269	1
3	5580	16	8.4	493	1
4	5580	17	7.5	476	1
5	5580	16	8.1	268	1
6	5580	16	7.5	378	1
7	5580	17	7.3	300	1
8	5580	18	6.8	242	1
9	5580	17	8.2	404	1
10	5580	16	8.5	345	1
11	5580	17	9.8	212	1
12	5580	17	7.3	268	1
13	5580	18	10	419	1
14	5580	18	9.5	372	1
15	5580	16	8.1	228	1
16	5580	16	8.9	428	1
17	5580	16	7.8	363	1
18	5580	16	8.4	407	1
19	5580	16	8.3	490	1
20	5580	16	7.8	356	1
21	5580	17	9.4	247	1
22	5580	17	8.6	397	1
23	5580	18	7.6	422	1
24	5580	16	9.4	381	1
25	5580	16	7.9	231	1
26	5580	18	9.4	468	1
27	5580	18	9.8	200	1
28	5580	18	6.4	211	1
29	5580	18	9.6	348	1
30	5580	16	8.5	315	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5580	16	17.2	214	1
2	5580	12	17.8	289	1
3	5580	12	17.7	370	1
4	5580	13	17.1	314	1
5	5580	16	14.2	354	1
6	5580	15	16.7	488	1
7	5580	16	16.2	236	1
8	5580	12	19.2	493	1
9	5580	13	16.4	252	1
10	5580	13	18.7	213	1
11	5580	12	18.2	460	1
12	5580	13	12.1	450	1
13	5580	12	12.5	454	1
14	5580	15	14.4	331	1
15	5580	12	11.7	360	1
16	5580	12	12.4	344	1
17	5580	16	19.9	320	1
18	5580	14	12.4	376	1
19	5580	14	15.1	274	1
20	5580	14	14.7	211	1
21	5580	14	11.6	271	1
22	5580	13	17.9	484	1
23	5580	16	15.7	321	1
24	5580	12	17.5	485	1
25	5580	13	12	240	1
26	5580	12	13.2	236	1
27	5580	13	17.9	414	1
28	5580	13	13.4	447	1
29	5580	15	19.4	293	1
30	5580	16	15.6	207	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5584MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	96.9	1777	1163	0.325574	1
1	2	15	81.9	1042		1.024481	
2	2	10	58.5	1174		1.613698	
3	2	6	88.4	1230		2.222916	
4	1	6	96.5			2.779702	
5	2	10	90.4	1927		3.168458	
6	2	7	51.8	1709		3.895609	
7	2	16	70.4	1411		4.512208	
8	2	19	83	1337		4.962039	
9	2	20	52.5	1712		5.866428	
10	1	6	66			6.504508	
11	2	19	98.2	1635		7.109154	
12	2	7	83.9	1914		7.509362	
13	1	17	69			7.987669	
14	2	6	56.7	1305		8.891822	
15	1	10	73.8			9.363482	
16	2	5	84.6	1277		10.035313	
17	3	16	86.5	1480	1813	10.747353	
18	3	12	52.6	1819	1275	11.359831	
19	1	16	93.1			11.546675	

Bin5 Statistics 2

CF=5571MHz

Trial #	Pulse	Chirp (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	78.9	1419		0.636276	1
1	1	7	60.6			1.231555	
2	3	10	86.3	1600	1103	2.866034	
3	1	16	66.5			3.450025	
4	2	15	69.3	1012		4.14221	
5	3	15	95.1	1728	1653	5.776314	
6	1	17	84			6.721472	
7	3	8	85.9	1595	1392	7.991865	
8	2	14	89.6	1285		8.554198	
9	2	19	89.8	2000		9.866938	
10	2	10	70.8	1129		10.784845	
11	3	8	85.4	1593	1072	11.196582	

Bin5 Statistics 3

CF=5578MHz

Trial #	Pulse	Chirp (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	53.2	1502		0.139953	1
1	1	14	84.3			0.940193	
2	2	11	60.9	1399		1.687388	
3	2	16	65.2	1288		2.122985	
4	1	8	55.2			2.478103	
5	3	17	50.6	1976	1020	3.455731	
6	1	6	50.4			3.753677	
7	1	20	57.3			4.267617	
8	2	12	62.9	1752		5.039143	
9	2	7	80.6	1440		5.505968	
10	1	11	58.4			6.13199	
11	2	16	84.3	1980		6.675575	
12	3	17	71.9	1128	1861	7.56547	
13	3	12	53	1115	1599	8.296733	
14	2	16	81	1353		8.964019	
15	3	15	70.9	1776	1441	9.108709	
16	3	10	73.9	1590	1974	9.608806	
17	2	15	61.2	1092		10.314606	
18	3	12	97.9	1574	1825	11.327252	
19	2	10	97.2	1670		11.673291	

Bin5 Statistics 4

CF=5575MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	61.1			0.262955	1
1	1	19	94.6			0.972727	
2	2	10	79.3	1178		1.889365	
3	2	11	51.5	1159		2.542346	
4	2	8	85.1	1187		3.158889	
5	2	7	81.7	1064		3.91891	
6	2	18	79.2	1522		4.819384	
7	1	6	84.6			5.045557	
8	2	19	67.4	1016		5.994408	
9	1	18	99			6.89221	
10	1	15	81.6			7.202973	
11	2	9	93	1488		7.909867	
12	2	16	77	1020		8.894389	
13	2	7	74	1154		9.615579	
14	2	5	56.5	1316		10.204197	
15	2	8	89.3	1813		10.704806	
16	2	9	63.9	1669		11.452452	

Bin5 Statistics 5

CF=5578MHz

Trial #	Pulse	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	52.2			0.50433	1
1	1	10	99.6			0.941559	
2	1	19	82.1			1.646398	
3	3	19	60.2	1680	1802	1.993096	
4	3	7	69.5	1632	1390	2.788094	
5	2	14	69.1	1663		3.087477	
6	1	17	65.7			3.735736	
7	3	18	72.3	1095	1502	4.298347	
8	3	14	70.3	1081	1180	4.982077	
9	2	13	88.2	1478		5.661012	
10	1	9	72			6.477704	
11	2	16	81.7	1194		6.639801	
12	2	9	74.1	1426		7.332786	
13	1	16	92.4			7.844564	
14	1	20	87.8			8.557688	
15	3	9	67.4	1571	1545	9.26541	
16	2	8	55.3	1136		9.848033	
17	3	14	79.6	1789	1085	10.20904	
18	3	17	57.6	1258	1807	10.976677	
19	2	14	94.7	1649		11.938393	

Bin5 Statistics 6

CF=5570MHz

Trial #	Pulse	Chirp (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	70.1	1923		0.850972	1
1	3	18	70	1355	1076	1.011509	
2	2	20	63.4	1736		2.121941	
3	2	15	73.1	1214		2.919373	
4	3	13	58.5	1899	1363	4.415921	
5	2	17	54.1	1725		4.751793	
6	2	11	96	1956		6.115707	
7	2	7	53.5	1743		6.653316	
8	2	19	61.7	1717		7.684756	
9	1	15	58.8			8.653127	
10	1	9	81.8			10.14948	
11	2	16	64.1	1989		10.613008	
12	3	8	55.5	1669	1606	11.690138	

Bin5 Statistics 7

CF=5579MHz

Trial #	Pulse	Chirp (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	58.2	1435		0.187779	1
1	1	16	58.8			1.218956	
2	2	20	86.8	1859		2.061123	
3	1	8	78.4			3.847222	
4	2	19	79.4	1073		4.87201	
5	3	19	61	1002	1946	5.802684	
6	3	15	64.8	1885	1507	6.919788	
7	3	10	81.1	1910	1673	7.591939	
8	2	15	50.1	1134		8.493553	
9	2	13	78.4	1230		9.856844	
10	2	11	71	1620		10.309168	
11	2	18	61.9	1917		11.231287	

Bin5 Statistics 8

CF=5578MHz

Trial #	Pulse	Chirp (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	55.8	1757		0.158875	1
1	1	7	54.5			1.140665	
2	1	5	71.8			1.722663	
3	1	11	87.7			2.484552	
4	2	8	95.8	1935		2.723595	
5	2	20	53.7	1684		3.975279	
6	2	6	74.3	1284		4.382846	
7	2	18	78.2	1964		4.679009	
8	1	8	70.6			5.771271	
9	3	19	55.1	1607	1836	6.131301	
10	2	5	83.9	1484		6.774666	
11	3	17	74.3	1241	1934	7.423196	
12	1	6	77.6			8.017607	
13	2	12	76.3	1833		9.094714	
14	1	6	58.8			9.672402	
15	2	20	88.9	1517		10.351995	
16	1	11	50.9			10.737964	
17	3	16	51.8	1396	1518	11.613094	

Bin5 Statistics 9

CF=5575MHz

Trial #	Pulse	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	89.5			0.10722	1
1	2	17	80.9	1994		0.966838	
2	3	20	54.2	1620	1077	1.489591	
3	2	6	72.3	1628		2.231925	
4	1	20	91.4			2.876528	
5	1	6	84.5			3.845561	
6	2	9	88.1	1601		4.360958	
7	2	7	51.5	1002		5.235385	
8	2	7	65.1	1004		5.448717	
9	1	16	98			6.607643	
10	1	13	91.4			7.153102	
11	2	12	64.5	1134		7.527987	
12	2	10	92.1	1607		8.548058	
13	3	11	68.3	1628	1736	9.271374	
14	2	17	71.2	1648		9.552233	
15	2	6	95	1684		10.516688	
16	1	14	72.2			11.249209	
17	1	12	54.9			11.419855	

Bin5 Statistics 10

CF=5585MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	98.6	1678	1206	0.464381	1
1	1	17	97.9			1.022988	
2	2	13	57.1	1807		1.704049	
3	3	8	97.4	1362	1791	1.994255	
4	2	15	62	1797		3.119785	
5	2	18	80.2	1822		3.63465	
6	3	12	90.9	1992	1655	3.807906	
7	3	17	52.6	1733	1305	5.03633	
8	2	9	67.1	1627		5.170765	
9	2	10	81.1	1718		6.229271	
10	1	12	95			6.524826	
11	2	17	80.6	1169		7.421804	
12	3	20	80.3	1856	1084	8.039494	
13	2	6	57.1	1943		8.619609	
14	2	16	51	1547		9.397382	
15	2	10	96.9	1115		9.815549	
16	1	19	61.9			10.140285	
17	1	8	57.7			11.23497	
18	3	16	90.2	1858	1573	11.459467	

Bin5 Statistics 11

CF=5575MHz

Trial #	Pulse	Chirp (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	91.8	1788		0.031347	1
1	1	8	77.7			0.76766	
2	1	19	80.9			1.394765	
3	1	17	94.7			2.034031	
4	2	11	65.4	1281		2.71117	
5	2	18	90	1449		3.659831	
6	2	18	86.5	1630		3.8807	
7	3	6	66.9	1163	1823	4.555334	
8	2	13	69.4	1084		5.577877	
9	1	14	84.4			5.880387	
10	2	19	81.2	1638		6.487204	
11	2	19	61.2	1620		7.521783	
12	3	10	67	1360	1508	8.149132	
13	1	10	55.4			8.310275	
14	2	20	89.6	1739		9.203997	
15	2	11	62	1449		9.695311	
16	1	17	76.6			10.639075	
17	2	9	51.4	1284		11.047257	
18	3	13	85.3	1991	1380	11.370022	

Bin5 Statistics 12

CF=5586MHz

Trial #	Pulse	Chirp (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	53.1	1610		0.552772	1
1	1	15	68			1.484343	
2	1	8	54.5			2.448102	
3	2	13	51.5	1662		3.977616	
4	3	14	65.2	1726	1165	4.941428	
5	3	19	81.3	1068	1655	5.435532	
6	2	7	75.4	1071		6.277718	
7	2	8	93.1	1754		7.793285	
8	3	11	98.8	1508	1955	8.236515	
9	3	19	89.4	1529	1999	9.519952	
10	3	17	98.1	1574	1649	10.377546	
11	2	10	68	1836		11.18585	

Bin5 Statistics 13

CF=5584MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	52.9	1923	1230	0.514498	1
1	1	7	79.9			1.194777	
2	2	12	75.3	1076		1.467401	
3	1	12	95.4			2.18004	
4	3	9	75.9	1569	1151	2.737699	
5	1	16	57.2			3.784945	
6	2	10	95.4	1432		4.291763	
7	1	11	84.6			4.657842	
8	3	10	94.7	1327	1791	5.363927	
9	1	12	81.8			6.128387	
10	1	9	97			6.45299	
11	2	15	81.1	1208		7.191888	
12	1	10	62.6			7.930789	
13	2	6	62.9	1404		8.410829	
14	3	15	51.6	1055	1724	8.964378	
15	2	5	64.3	1759		9.941445	
16	2	15	69	1671		10.249382	
17	2	7	87.7	1707		10.868597	
18	3	16	78.7	1903	1693	11.83965	

Bin5 Statistics 14

CF=5584MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	58.4			0.479377	1
1	2	19	66.8	1709		1.202422	
2	1	12	63.8			1.85938	
3	2	17	76.9	1831		2.883723	
4	1	7	60.9			3.094004	
5	2	17	62.6	1974		4.344683	
6	2	11	73.8	1834		4.858538	
7	2	16	80.8	1530		5.662031	
8	2	19	85.1	1542		6.540196	
9	2	15	55.9	1826		6.868467	
10	2	10	81.9	1063		7.562331	
11	3	8	89.7	1983	1682	8.597405	
12	2	8	53.2	1898		9.393778	
13	1	11	81.9			10.160194	
14	2	13	54.6	1607		10.769607	
15	2	19	83.7	1935		11.59785	

Bin5 Statistics 15

CF=5586MHz

Trial #	Pulse	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	93.7			0.533416	1
1	2	7	79.1	1953		1.174706	
2	1	6	97.2			1.610126	
3	2	20	96.5	1194		2.58132	
4	1	19	81			2.968095	
5	2	7	61	1944		3.616976	
6	2	9	82.4	1127		4.269863	
7	1	18	72.4			4.844233	
8	1	8	85.7			5.699615	
9	1	18	56.9			6.065754	
10	3	8	93.4	1474	1961	6.868967	
11	3	16	67	1388	1887	7.448067	
12	2	12	55	1649		8.482504	
13	2	19	54.3	1600		8.773301	
14	2	10	63.3	1982		9.399393	
15	2	7	57.2	1394		10.405062	
16	2	15	79.7	1084		11.274786	
17	2	16	94.9	1555		11.895697	

Bin5 Statistics 16

CF=5585MHz

Trial #	Pulse	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	74.8			0.322578	1
1	2	10	90.7	1518		0.786289	
2	2	10	52.3	1888		2.108942	
3	3	15	71.8	1375	1170	2.222921	
4	2	17	53.1	1684		2.985941	
5	2	13	56	1686		3.711261	
6	3	12	86.1	1527	1275	4.263299	
7	2	7	79.6	1754		5.077696	
8	1	16	70.7			5.86113	
9	3	7	84.3	1922	1683	6.804682	
10	2	9	73.7	1951		7.701285	
11	2	6	91.1	1262		8.250578	
12	2	17	50.9	1023		8.648618	
13	1	15	85.7			9.432767	
14	3	17	54.1	1276	1952	10.382915	
15	3	14	88.9	1555	1186	11.143802	
16	1	16	64.9			11.77625	

Bin5 Statistics 17

CF=5576MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	95.1	1723		0.476717	1
1	2	14	57.6	1135		1.696958	
2	2	16	82.7	1972		2.682323	
3	3	9	98.5	1866	1533	3.428723	
4	2	18	77.5	1103		3.860945	
5	3	15	98.2	1733	1133	4.794876	
6	2	19	84.2	1129		5.918388	
7	1	16	89.8			6.514394	
8	2	9	68.7	1202		7.942587	
9	1	8	76			8.560721	
10	1	6	92.2			9.426732	
11	2	13	55.2	1956		10.647408	
12	2	18	66.3	1406		11.952221	

Bin5 Statistics 18

CF=5571MHz

Trial #	Pulse	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	54.4			0.740263	1
1	1	18	79.1			1.059825	
2	1	14	76.2			2.711342	
3	1	5	70.5			3.969702	
4	2	9	73.7	1828		4.374337	
5	3	10	86.3	1568	1270	5.228595	
6	2	13	72.8	1255		6.988337	
7	3	9	83.2	1359	1281	7.071415	
8	1	13	97.9			8.507996	
9	3	19	52.8	1666	1769	9.179501	
10	3	10	82	1337	1232	10.338652	
11	2	10	86.8	1784		11.958704	

Bin5 Statistics 19

CF=5584MHz

Trial #	Pulse	Chirp (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	71.5	1085		0.200423	1
1	2	10	70.2	1061		1.121922	
2	2	7	93.3	1805		1.438391	
3	1	17	95.3			2.029729	
4	2	8	64	1485		3.192075	
5	2	8	57.5	1086		3.778899	
6	3	9	66.3	1096	1055	4.647933	
7	1	16	50.9			4.868494	
8	3	11	56	1331	1128	5.937986	
9	3	16	80.9	1672	1475	6.584918	
10	1	12	53.5			7.173541	
11	1	17	97			7.498481	
12	2	19	84.2	1266		8.581713	
13	2	14	64.9	1073		8.752905	
14	1	12	79.6			9.614088	
15	2	8	76.8	1061		10.662402	
16	1	10	62			11.231149	
17	2	13	63.5	1519		11.407437	

Bin5 Statistics 20

CF=5570MHz

Trial #	Pulse	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	53.4			0.484101	1
1	3	6	99.1	1227	1430	1.255336	
2	2	15	82.6	1420		1.822124	
3	2	7	72.7	1339		2.544623	
4	1	12	76.3			2.895545	
5	2	8	70.3	1984		3.658247	
6	1	10	50.2			4.611085	
7	2	16	52.8	1410		5.141117	
8	2	8	57.6	1398		5.594041	
9	3	10	91	1436	1830	6.510558	
10	3	7	55.1	1970	1629	7.067308	
11	1	7	86.9			7.753565	
12	1	19	57.6			8.659948	
13	2	14	98.5	1460		8.916153	
14	2	17	76.6	1424		9.660074	
15	1	9	62.3			10.005773	
16	3	5	81	1443	1639	11.261259	
17	2	17	77.1	1693		11.389543	

Bin5 Statistics 21

CF=5573MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	66.6	1390		0.086949	1
1	1	11	74.1			0.790657	
2	3	6	76	1604	1692	1.677666	
3	1	11	73.9			2.498809	
4	2	12	80.9	1738		3.358776	
5	3	12	94.2	1254	1385	3.888119	
6	2	6	51.5	1929		4.672778	
7	2	12	81.4	1670		5.63817	
8	3	9	73.5	1223	1002	6.022772	
9	2	14	85.2	1349		7.045206	
10	2	12	94.7	1441		7.083258	
11	1	20	69.5			8.308691	
12	1	15	70.2			8.904003	
13	2	8	60.7	1534		9.248511	
14	1	13	55.5			10.195954	
15	1	18	50.1			11.103245	
16	1	9	56.3			11.370114	

Bin5 Statistics 22

CF=5574MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	63.7	1524	1078	0.189637	1
1	3	13	97.5	1449	1444	2.172684	
2	2	5	94.2	1272		3.167561	
3	3	16	91.6	1734	1407	4.951105	
4	2	19	97.9	1251		6.420021	
5	2	15	90.8	1114		6.829337	
6	2	9	63.3	1668		9.01895	
7	2	6	85.5	1609		10.150845	
8	3	6	63.5	1273	1372	11.588513	

Bin5 Statistics 23

CF=5584MHz

Trial #	Pulse	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	61.7	1419	1041	0.140921	1
1	2	8	75.2	1032		2.857939	
2	2	14	63.7	1669		4.05907	
3	1	6	91			4.958768	
4	3	17	87.5	1467	1554	6.250256	
5	2	20	57.6	1242		8.339764	
6	1	18	65.2			9.058833	
7	2	11	63.8	1912		10.743685	

Bin5 Statistics 24

CF=5584MHz

Trial #	Pulse	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	60.3	1497	1392	0.304723	1
1	3	5	65.3	1340	1646	0.970778	
2	1	17	58.3			1.447421	
3	2	14	52.1	1030		2.653088	
4	3	8	72.5	1756	1887	3.403829	
5	3	17	90.3	1201	1222	3.678465	
6	1	17	95.4			4.358255	
7	2	15	87.8	1180		5.172443	
8	2	20	75.2	1972		5.833531	
9	2	10	58.6	1928		6.354274	
10	3	17	61.6	1488	1647	7.297287	
11	2	13	55	1581		7.877371	
12	2	7	55.8	1999		8.785681	
13	2	11	50.1	1908		9.376684	
14	2	18	74.4	1500		10.036688	
15	2	7	80.6	1699		11.241716	
16	2	7	61.7	1943		11.372102	

Bin5 Statistics 25

CF=5570MHz

Trial #	Pulse	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	56.2			0.002351	1
1	1	8	58.2			1.364622	
2	3	8	72.3	1067	1565	2.440715	
3	2	6	81.4	1865		3.305375	
4	3	10	67.6	1763	1135	4.54662	
5	1	15	72.4			5.574442	
6	2	12	91.5	1325		6.856805	
7	2	19	85.7	1565		7.749796	
8	1	19	67.9			8.94152	
9	3	8	76.3	1246	1288	9.671633	
10	2	11	73.6	1262		10.574559	
11	2	17	81.8	1577		11.917796	

Bin5 Statistics 26

CF=5572MHz

Trial #	Pulse	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	62.3			0.067254	1
1	2	13	79.8	1486		2.060225	
2	1	14	51.5			3.019545	
3	1	16	82.5			4.948262	
4	3	20	80.2	1960	1508	6.532037	
5	1	14	63.2			7.471135	
6	2	8	63.4	1701		9.178945	
7	2	5	57.4	1386		9.690478	
8	1	13	85.3			11.196612	

Bin5 Statistics 27

CF=5573MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	61.8	1487		0.497952	1
1	3	20	74.4	1434	1063	1.133198	
2	2	7	87.2	1942		2.41618	
3	3	17	70.6	1954	1860	3.359915	
4	2	6	77.2	1693		3.771343	
5	2	8	78.8	1332		4.432815	
6	2	17	52.7	1261		5.337414	
7	3	10	99.1	1955	1623	6.240193	
8	2	12	50.6	1196		7.698831	
9	2	14	56.3	1256		8.566759	
10	2	18	70.9	1678		8.660815	
11	1	13	66.4			10.158154	
12	2	6	89.4	1969		10.454233	
13	3	10	72.2	1742	1873	11.988445	

Bin5 Statistics 28

CF=5576MHz

Trial #	Pulse	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	63.1			0.393449	1
1	2	18	98.6	1269		1.418063	
2	2	16	68.3	1519		1.878332	
3	1	6	72			3.083486	
4	2	17	89	1375		3.81409	
5	3	17	83.5	1116	1178	4.138458	
6	1	15	55.4			5.475114	
7	2	8	94.6	1739		5.858622	
8	3	7	75.6	1232	1715	6.57988	
9	1	12	99.9			7.739877	
10	2	16	56.8	1367		8.179345	
11	3	14	94.2	1893	1609	8.922947	
12	2	6	99.2	1996		10.223181	
13	3	15	90.9	1954	1045	11.092235	
14	2	18	57.9	1264		11.434392	

Bin5 Statistics 29

CF=5572MHz

Trial #	Pulse	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	63			1.22006	1
1	1	6	63.8			2.576084	
2	3	16	90.8	1410	1258	3.089412	
3	1	15	51.2			4.546979	
4	2	9	52.4	1532		6.410706	
5	3	20	74.5	1772	1972	6.843233	
6	1	16	67.8			9.312683	
7	2	10	94.2	1667		9.785346	
8	3	10	92.5	1518	1245	11.80267	

Bin5 Statistics 30

CF=5586MHz

Trial #	Pulse	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	73.7			0.24982	1
1	1	15	58			0.874474	
2	3	17	72.4	1316	1347	1.997171	
3	2	17	96.5	1814		2.783064	
4	2	12	85.6	1471		3.94966	
5	2	17	81.4	1509		4.373494	
6	3	18	98.7	1948	1052	5.159178	
7	3	14	86.2	1674	1940	6.118467	
8	1	8	86.9			6.481177	
9	1	15	63.8			7.388567	
10	2	12	58.2	1956		8.094552	
11	2	8	84.1	1410		9.000803	
12	3	14	88.9	1379	1501	10.339921	
13	1	19	78.9			10.459314	
14	2	7	81.7	1290		11.823797	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5580	9	1	333	1	5550.0, 5311.0, 5315.0, 5709.0, 5396.0, 5388.0, 5306.0, 5530.0, 5397.0, 5489.0, 5497.0, 5320.0, 5488.0, 5627.0, 5721.0, 5678.0, 5373.0, 5571.0, 5305.0, 5450.0, 5325.0, 5545.0, 5268.0, 5285.0, 5363.0, 5260.0, 5294.0, 5560.0, 5459.0, 5492.0, 5431.0, 5673.0, 5298.0, 5630.0, 5323.0, 5502.0, 5321.0, 5352.0, 5267.0, 5563.0, 5703.0, 5723.0, 5361.0, 5464.0, 5504.0, 5572.0, 5516.0, 5264.0, 5704.0, 5436.0, 5281.0, 5558.0, 5684.0, 5532.0, 5485.0, 5274.0, 5628.0, 5410.0, 5578.0, 5415.0, 5629.0, 5453.0, 5277.0, 5614.0, 5259.0, 5591.0, 5254.0, 5570.0, 5518.0, 5512.0, 5574.0, 5411.0, 5438.0, 5474.0, 5251.0, 5708.0, 5457.0, 5350.0, 5547.0, 5600.0, 5355.0, 5371.0, 5437.0, 5393.0, 5466.0, 5383.0, 5354.0, 5509.0, 5368.0, 5347.0, 5303.0, 5594.0, 5694.0, 5269.0, 5255.0, 5706.0, 5319.0, 5686.0, 5675.0, 5484.0 (number of hits: 5)
2	5580	9	1	333	1	5400.0, 5645.0, 5446.0, 5362.0, 5369.0, 5672.0, 5691.0, 5330.0, 5452.0, 5274.0, 5405.0, 5315.0, 5272.0, 5591.0, 5344.0, 5440.0, 5456.0, 5594.0, 5506.0, 5602.0, 5548.0, 5463.0, 5354.0, 5620.0, 5429.0, 5353.0, 5417.0, 5333.0, 5473.0, 5430.0, 5641.0, 5555.0, 5654.0, 5551.0, 5612.0, 5256.0, 5398.0, 5439.0, 5580.0, 5650.0, 5286.0, 5563.0, 5686.0, 5609.0, 5496.0, 5502.0, 5298.0, 5367.0, 5391.0, 5431.0, 5568.0, 5564.0, 5603.0, 5373.0, 5664.0, 5349.0, 5271.0, 5547.0, 5498.0, 5605.0, 5402.0, 5693.0, 5442.0, 5724.0, 5553.0, 5526.0, 5392.0, 5343.0, 5294.0, 5615.0, 5273.0, 5376.0, 5386.0, 5587.0, 5559.0, 5512.0, 5682.0, 5361.0, 5717.0, 5332.0, 5331.0, 5534.0, 5277.0, 5692.0, 5478.0, 5357.0, 5465.0, 5371.0, 5403.0, 5251.0, 5358.0, 5661.0, 5683.0, 5584.0, 5306.0, 5492.0, 5485.0, 5408.0, 5412.0, 5671.0 (number of hits: 3)
3	5580	9	1	333	1	5470.0, 5499.0, 5543.0, 5465.0, 5267.0, 5318.0, 5344.0, 5692.0, 5695.0, 5714.0, 5660.0, 5577.0, 5645.0, 5333.0, 5481.0, 5622.0, 5448.0, 5279.0, 5321.0, 5560.0, 5678.0, 5399.0, 5341.0, 5428.0, 5627.0, 5346.0, 5546.0, 5639.0, 5590.0, 5662.0, 5611.0, 5626.0, 5278.0, 5592.0, 5329.0, 5583.0, 5607.0, 5256.0, 5405.0, 5449.0, 5468.0, 5486.0, 5683.0, 5466.0, 5665.0, 5605.0, 5464.0, 5304.0, 5540.0, 5435.0, 5675.0, 5417.0, 5331.0, 5406.0, 5480.0, 5710.0, 5445.0, 5482.0, 5419.0, 5693.0, 5517.0, 5542.0, 5513.0, 5306.0, 5355.0,

						5436.0, 5290.0, 5539.0, 5706.0, 5375.0, 5617.0, 5510.0, 5288.0, 5530.0, 5472.0, 5601.0, 5551.0, 5713.0, 5300.0, 5479.0, 5512.0, 5418.0, 5297.0, 5655.0, 5293.0, 5456.0, 5390.0, 5597.0, 5334.0, 5657.0, 5424.0, 5654.0, 5389.0, 5463.0, 5628.0, 5315.0, 5612.0, 5500.0, 5276.0, 5582.0 (number of hits: 3)
4	5580	9	1	333	1	5309.0, 5520.0, 5305.0, 5564.0, 5337.0, 5504.0, 5313.0, 5479.0, 5323.0, 5632.0, 5302.0, 5401.0, 5684.0, 5353.0, 5476.0, 5537.0, 5638.0, 5379.0, 5290.0, 5483.0, 5580.0, 5667.0, 5501.0, 5259.0, 5271.0, 5687.0, 5669.0, 5634.0, 5306.0, 5382.0, 5631.0, 5320.0, 5603.0, 5568.0, 5457.0, 5713.0, 5705.0, 5700.0, 5540.0, 5590.0, 5640.0, 5383.0, 5566.0, 5672.0, 5629.0, 5473.0, 5525.0, 5258.0, 5360.0, 5607.0, 5261.0, 5598.0, 5535.0, 5670.0, 5594.0, 5484.0, 5452.0, 5532.0, 5528.0, 5284.0, 5552.0, 5365.0, 5332.0, 5372.0, 5563.0, 5595.0, 5567.0, 5400.0, 5530.0, 5252.0, 5630.0, 5471.0, 5455.0, 5597.0, 5330.0, 5359.0, 5616.0, 5482.0, 5516.0, 5487.0, 5544.0, 5389.0, 5707.0, 5698.0, 5635.0, 5694.0, 5472.0, 5654.0, 5279.0, 5288.0, 5619.0, 5485.0, 5704.0, 5584.0, 5308.0, 5562.0, 5327.0, 5556.0, 5390.0, 5328.0 (number of hits: 2)
5	5580	9	1	333	1	5694.0, 5487.0, 5271.0, 5619.0, 5523.0, 5490.0, 5644.0, 5582.0, 5680.0, 5682.0, 5673.0, 5399.0, 5611.0, 5402.0, 5648.0, 5566.0, 5296.0, 5480.0, 5438.0, 5708.0, 5650.0, 5660.0, 5346.0, 5557.0, 5325.0, 5575.0, 5663.0, 5589.0, 5386.0, 5588.0, 5327.0, 5419.0, 5496.0, 5477.0, 5369.0, 5295.0, 5405.0, 5448.0, 5603.0, 5331.0, 5446.0, 5717.0, 5517.0, 5297.0, 5617.0, 5699.0, 5396.0, 5278.0, 5254.0, 5337.0, 5450.0, 5580.0, 5367.0, 5268.0, 5714.0, 5723.0, 5443.0, 5519.0, 5504.0, 5365.0, 5581.0, 5536.0, 5512.0, 5578.0, 5604.0, 5612.0, 5267.0, 5634.0, 5488.0, 5377.0, 5587.0, 5521.0, 5591.0, 5412.0, 5540.0, 5712.0, 5671.0, 5314.0, 5508.0, 5464.0, 5559.0, 5690.0, 5556.0, 5451.0, 5531.0, 5428.0, 5597.0, 5358.0, 5459.0, 5457.0, 5565.0, 5543.0, 5654.0, 5340.0, 5454.0, 5318.0, 5677.0, 5404.0, 5553.0, 5420.0 (number of hits: 8)
6	5580	9	1	333	1	5466.0, 5627.0, 5623.0, 5261.0, 5350.0, 5393.0, 5615.0, 5405.0, 5535.0, 5524.0, 5593.0, 5425.0, 5430.0, 5414.0, 5378.0, 5720.0, 5690.0, 5538.0, 5364.0, 5372.0, 5640.0, 5518.0, 5712.0, 5516.0, 5580.0, 5266.0, 5270.0, 5480.0, 5302.0, 5564.0, 5440.0, 5553.0, 5626.0, 5281.0, 5483.0, 5517.0, 5608.0, 5434.0, 5346.0, 5641.0, 5257.0, 5585.0, 5401.0, 5271.0, 5723.0, 5329.0, 5441.0, 5415.0, 5326.0, 5260.0,

						5450.0, 5464.0, 5275.0, 5330.0, 5686.0, 5343.0, 5687.0, 5263.0, 5645.0, 5444.0, 5362.0, 5536.0, 5481.0, 5498.0, 5298.0, 5325.0, 5313.0, 5539.0, 5671.0, 5634.0, 5611.0, 5604.0, 5597.0, 5648.0, 5701.0, 5354.0, 5541.0, 5259.0, 5276.0, 5345.0, 5595.0, 5383.0, 5459.0, 5654.0, 5391.0, 5316.0, 5669.0, 5682.0, 5471.0, 5558.0, 5573.0, 5426.0, 5288.0, 5625.0, 5307.0, 5706.0, 5632.0, 5297.0, 5531.0, 5418.0 (number of hits: 3)
7	5580	9	1	333	1	5619.0, 5564.0, 5370.0, 5285.0, 5314.0, 5498.0, 5441.0, 5455.0, 5618.0, 5268.0, 5364.0, 5425.0, 5307.0, 5592.0, 5594.0, 5483.0, 5383.0, 5717.0, 5378.0, 5720.0, 5360.0, 5270.0, 5528.0, 5271.0, 5614.0, 5661.0, 5674.0, 5705.0, 5343.0, 5374.0, 5472.0, 5462.0, 5559.0, 5543.0, 5684.0, 5341.0, 5566.0, 5423.0, 5690.0, 5465.0, 5330.0, 5445.0, 5687.0, 5545.0, 5368.0, 5403.0, 5478.0, 5487.0, 5627.0, 5534.0, 5252.0, 5653.0, 5673.0, 5309.0, 5262.0, 5435.0, 5432.0, 5716.0, 5457.0, 5485.0, 5626.0, 5631.0, 5382.0, 5258.0, 5699.0, 5266.0, 5278.0, 5623.0, 5538.0, 5601.0, 5491.0, 5429.0, 5671.0, 5430.0, 5398.0, 5325.0, 5272.0, 5556.0, 5335.0, 5257.0, 5392.0, 5681.0, 5540.0, 5574.0, 5620.0, 5440.0, 5255.0, 5431.0, 5303.0, 5586.0, 5349.0, 5356.0, 5572.0, 5265.0, 5509.0, 5700.0, 5723.0, 5581.0, 5412.0, 5494.0 (number of hits: 4)
8	5580	9	1	333	1	5710.0, 5560.0, 5396.0, 5353.0, 5444.0, 5557.0, 5412.0, 5585.0, 5334.0, 5523.0, 5537.0, 5351.0, 5295.0, 5447.0, 5319.0, 5411.0, 5528.0, 5408.0, 5446.0, 5509.0, 5424.0, 5326.0, 5410.0, 5577.0, 5645.0, 5359.0, 5325.0, 5481.0, 5535.0, 5701.0, 5347.0, 5518.0, 5296.0, 5360.0, 5496.0, 5312.0, 5639.0, 5332.0, 5538.0, 5697.0, 5384.0, 5305.0, 5450.0, 5366.0, 5322.0, 5721.0, 5315.0, 5338.0, 5526.0, 5504.0, 5561.0, 5445.0, 5662.0, 5660.0, 5294.0, 5363.0, 5629.0, 5377.0, 5683.0, 5715.0, 5712.0, 5252.0, 5432.0, 5520.0, 5503.0, 5691.0, 5579.0, 5699.0, 5633.0, 5596.0, 5681.0, 5414.0, 5650.0, 5323.0, 5356.0, 5455.0, 5709.0, 5498.0, 5403.0, 5299.0, 5632.0, 5573.0, 5478.0, 5381.0, 5358.0, 5395.0, 5635.0, 5466.0, 5423.0, 5625.0, 5391.0, 5280.0, 5335.0, 5530.0, 5425.0, 5663.0, 5521.0, 5604.0, 5567.0, 5713.0 (number of hits: 4)
9	5580	9	1	333	1	5642.0, 5703.0, 5360.0, 5544.0, 5702.0, 5374.0, 5657.0, 5284.0, 5655.0, 5345.0, 5484.0, 5559.0, 5697.0, 5336.0, 5640.0, 5456.0, 5330.0, 5588.0, 5645.0, 5400.0, 5541.0, 5291.0, 5391.0, 5448.0, 5401.0, 5341.0, 5310.0, 5289.0, 5582.0, 5607.0, 5713.0, 5685.0, 5387.0, 5628.0, 5390.0,

						5405.0, 5465.0, 5637.0, 5515.0, 5514.0, 5492.0, 5427.0, 5402.0, 5398.0, 5621.0, 5497.0, 5617.0, 5365.0, 5513.0, 5615.0, 5417.0, 5719.0, 5496.0, 5632.0, 5626.0, 5340.0, 5355.0, 5714.0, 5307.0, 5411.0, 5581.0, 5580.0, 5530.0, 5347.0, 5692.0, 5361.0, 5264.0, 5468.0, 5664.0, 5598.0, 5450.0, 5438.0, 5392.0, 5619.0, 5516.0, 5504.0, 5317.0, 5433.0, 5439.0, 5594.0, 5693.0, 5700.0, 5314.0, 5498.0, 5410.0, 5616.0, 5638.0, 5348.0, 5584.0, 5575.0, 5600.0, 5533.0, 5440.0, 5430.0, 5394.0, 5673.0, 5610.0, 5313.0, 5296.0, 5717.0 (number of hits: 6)
10	5580	9	1	333	1	5680.0, 5703.0, 5324.0, 5663.0, 5688.0, 5485.0, 5586.0, 5396.0, 5459.0, 5581.0, 5376.0, 5331.0, 5607.0, 5601.0, 5281.0, 5329.0, 5532.0, 5354.0, 5543.0, 5303.0, 5296.0, 5588.0, 5442.0, 5293.0, 5558.0, 5715.0, 5437.0, 5426.0, 5319.0, 5559.0, 5269.0, 5439.0, 5353.0, 5686.0, 5307.0, 5418.0, 5423.0, 5599.0, 5567.0, 5647.0, 5657.0, 5294.0, 5516.0, 5519.0, 5590.0, 5488.0, 5659.0, 5524.0, 5556.0, 5677.0, 5340.0, 5709.0, 5309.0, 5474.0, 5645.0, 5587.0, 5621.0, 5286.0, 5535.0, 5377.0, 5378.0, 5510.0, 5652.0, 5584.0, 5638.0, 5572.0, 5660.0, 5576.0, 5512.0, 5254.0, 5284.0, 5450.0, 5718.0, 5600.0, 5490.0, 5355.0, 5318.0, 5702.0, 5446.0, 5347.0, 5480.0, 5710.0, 5288.0, 5494.0, 5427.0, 5348.0, 5641.0, 5578.0, 5379.0, 5575.0, 5263.0, 5511.0, 5502.0, 5449.0, 5493.0, 5257.0, 5412.0, 5306.0, 5420.0, 5368.0 (number of hits: 9)
11	5580	9	1	333	1	5413.0, 5375.0, 5399.0, 5443.0, 5373.0, 5538.0, 5700.0, 5691.0, 5497.0, 5554.0, 5366.0, 5656.0, 5570.0, 5327.0, 5724.0, 5272.0, 5386.0, 5428.0, 5314.0, 5468.0, 5644.0, 5321.0, 5265.0, 5616.0, 5439.0, 5403.0, 5685.0, 5323.0, 5714.0, 5588.0, 5665.0, 5558.0, 5684.0, 5472.0, 5409.0, 5467.0, 5498.0, 5593.0, 5614.0, 5642.0, 5675.0, 5579.0, 5417.0, 5259.0, 5507.0, 5543.0, 5647.0, 5664.0, 5251.0, 5671.0, 5369.0, 5456.0, 5567.0, 5537.0, 5633.0, 5297.0, 5709.0, 5654.0, 5518.0, 5723.0, 5339.0, 5624.0, 5718.0, 5275.0, 5451.0, 5657.0, 5296.0, 5569.0, 5441.0, 5473.0, 5626.0, 5514.0, 5337.0, 5358.0, 5679.0, 5512.0, 5433.0, 5489.0, 5712.0, 5397.0, 5449.0, 5461.0, 5585.0, 5342.0, 5425.0, 5394.0, 5546.0, 5299.0, 5485.0, 5583.0, 5673.0, 5365.0, 5511.0, 5492.0, 5302.0, 5501.0, 5486.0, 5697.0, 5535.0, 5649.0 (number of hits: 5)
12	5580	9	1	333	1	5357.0, 5668.0, 5714.0, 5669.0, 5696.0, 5657.0, 5452.0, 5436.0, 5398.0, 5667.0, 5417.0, 5315.0, 5402.0, 5610.0, 5435.0, 5298.0, 5454.0, 5715.0, 5448.0, 5337.0,

						5675.0, 5316.0, 5396.0, 5582.0, 5592.0, 5663.0, 5487.0, 5562.0, 5342.0, 5527.0, 5510.0, 5281.0, 5450.0, 5367.0, 5376.0, 5295.0, 5609.0, 5685.0, 5720.0, 5500.0, 5265.0, 5523.0, 5507.0, 5630.0, 5723.0, 5485.0, 5550.0, 5585.0, 5481.0, 5618.0, 5381.0, 5428.0, 5263.0, 5467.0, 5253.0, 5323.0, 5327.0, 5334.0, 5391.0, 5465.0, 5341.0, 5673.0, 5505.0, 5264.0, 5495.0, 5422.0, 5559.0, 5658.0, 5664.0, 5347.0, 5524.0, 5611.0, 5260.0, 5423.0, 5445.0, 5343.0, 5346.0, 5472.0, 5540.0, 5530.0, 5488.0, 5261.0, 5272.0, 5262.0, 5414.0, 5332.0, 5690.0, 5307.0, 5302.0, 5551.0, 5616.0, 5576.0, 5674.0, 5554.0, 5387.0, 5377.0, 5587.0, 5564.0, 5512.0, 5568.0 (number of hits: 4)
13	5580	9	1	333	1	5494.0, 5474.0, 5564.0, 5506.0, 5424.0, 5457.0, 5275.0, 5383.0, 5293.0, 5445.0, 5694.0, 5302.0, 5611.0, 5516.0, 5403.0, 5412.0, 5713.0, 5646.0, 5395.0, 5582.0, 5360.0, 5619.0, 5385.0, 5509.0, 5394.0, 5702.0, 5426.0, 5476.0, 5441.0, 5578.0, 5524.0, 5299.0, 5251.0, 5638.0, 5307.0, 5273.0, 5337.0, 5390.0, 5562.0, 5408.0, 5612.0, 5339.0, 5387.0, 5407.0, 5591.0, 5585.0, 5663.0, 5314.0, 5265.0, 5704.0, 5650.0, 5606.0, 5571.0, 5629.0, 5641.0, 5354.0, 5389.0, 5310.0, 5502.0, 5625.0, 5393.0, 5471.0, 5667.0, 5325.0, 5276.0, 5514.0, 5610.0, 5258.0, 5442.0, 5377.0, 5475.0, 5473.0, 5499.0, 5515.0, 5300.0, 5440.0, 5698.0, 5673.0, 5391.0, 5320.0, 5280.0, 5367.0, 5615.0, 5511.0, 5595.0, 5259.0, 5420.0, 5658.0, 5479.0, 5656.0, 5550.0, 5449.0, 5657.0, 5319.0, 5598.0, 5261.0, 5366.0, 5436.0, 5465.0, 5312.0 (number of hits: 4)
14	5580	9	1	333	1	5665.0, 5289.0, 5652.0, 5385.0, 5545.0, 5333.0, 5489.0, 5557.0, 5643.0, 5269.0, 5475.0, 5502.0, 5421.0, 5416.0, 5539.0, 5474.0, 5708.0, 5694.0, 5399.0, 5616.0, 5297.0, 5285.0, 5647.0, 5515.0, 5543.0, 5318.0, 5561.0, 5698.0, 5608.0, 5589.0, 5316.0, 5426.0, 5685.0, 5595.0, 5657.0, 5304.0, 5415.0, 5721.0, 5463.0, 5621.0, 5559.0, 5544.0, 5454.0, 5703.0, 5256.0, 5575.0, 5587.0, 5493.0, 5431.0, 5352.0, 5332.0, 5508.0, 5359.0, 5527.0, 5697.0, 5270.0, 5651.0, 5628.0, 5306.0, 5680.0, 5376.0, 5622.0, 5609.0, 5531.0, 5517.0, 5255.0, 5711.0, 5355.0, 5381.0, 5701.0, 5424.0, 5691.0, 5351.0, 5664.0, 5279.0, 5702.0, 5533.0, 5649.0, 5324.0, 5513.0, 5564.0, 5686.0, 5601.0, 5321.0, 5526.0, 5503.0, 5569.0, 5505.0, 5610.0, 5642.0, 5500.0, 5280.0, 5329.0, 5612.0, 5396.0, 5480.0, 5481.0, 5295.0, 5640.0, 5667.0 (number of hits: 3)
15	5580	9	1	333	1	5649.0, 5257.0, 5454.0, 5487.0, 5327.0,

						5263.0, 5369.0, 5611.0, 5265.0, 5594.0, 5686.0, 5507.0, 5349.0, 5338.0, 5463.0, 5331.0, 5592.0, 5387.0, 5566.0, 5333.0, 5388.0, 5694.0, 5254.0, 5357.0, 5305.0, 5703.0, 5617.0, 5410.0, 5363.0, 5570.0, 5602.0, 5365.0, 5271.0, 5568.0, 5406.0, 5464.0, 5652.0, 5713.0, 5591.0, 5519.0, 5564.0, 5370.0, 5397.0, 5666.0, 5557.0, 5531.0, 5613.0, 5377.0, 5435.0, 5615.0, 5627.0, 5664.0, 5366.0, 5316.0, 5412.0, 5511.0, 5291.0, 5268.0, 5320.0, 5719.0, 5477.0, 5317.0, 5443.0, 5505.0, 5514.0, 5308.0, 5672.0, 5579.0, 5270.0, 5669.0, 5688.0, 5687.0, 5653.0, 5601.0, 5491.0, 5628.0, 5255.0, 5297.0, 5307.0, 5355.0, 5565.0, 5599.0, 5332.0, 5278.0, 5300.0, 5492.0, 5347.0, 5515.0, 5626.0, 5311.0, 5287.0, 5647.0, 5453.0, 5479.0, 5335.0, 5344.0, 5533.0, 5273.0, 5373.0, 5574.0 (number of hits: 3)
16	5580	9	1	333	1	5723.0, 5638.0, 5352.0, 5507.0, 5568.0, 5426.0, 5408.0, 5491.0, 5558.0, 5449.0, 5544.0, 5364.0, 5643.0, 5266.0, 5625.0, 5537.0, 5262.0, 5675.0, 5648.0, 5380.0, 5699.0, 5323.0, 5419.0, 5372.0, 5281.0, 5684.0, 5344.0, 5661.0, 5512.0, 5577.0, 5629.0, 5343.0, 5468.0, 5324.0, 5279.0, 5463.0, 5342.0, 5450.0, 5286.0, 5430.0, 5481.0, 5291.0, 5569.0, 5258.0, 5550.0, 5358.0, 5403.0, 5389.0, 5510.0, 5722.0, 5474.0, 5720.0, 5270.0, 5564.0, 5721.0, 5664.0, 5396.0, 5441.0, 5605.0, 5528.0, 5479.0, 5388.0, 5521.0, 5685.0, 5253.0, 5539.0, 5623.0, 5254.0, 5642.0, 5357.0, 5340.0, 5407.0, 5455.0, 5525.0, 5489.0, 5267.0, 5637.0, 5579.0, 5394.0, 5636.0, 5451.0, 5255.0, 5519.0, 5458.0, 5494.0, 5672.0, 5333.0, 5701.0, 5443.0, 5456.0, 5257.0, 5513.0, 5576.0, 5314.0, 5509.0, 5656.0, 5353.0, 5265.0, 5300.0, 5390.0 (number of hits: 3)
17	5580	9	1	333	1	5463.0, 5320.0, 5402.0, 5594.0, 5692.0, 5621.0, 5378.0, 5687.0, 5623.0, 5514.0, 5610.0, 5318.0, 5567.0, 5389.0, 5278.0, 5670.0, 5355.0, 5518.0, 5647.0, 5258.0, 5530.0, 5520.0, 5460.0, 5462.0, 5641.0, 5261.0, 5448.0, 5421.0, 5496.0, 5353.0, 5607.0, 5700.0, 5666.0, 5579.0, 5667.0, 5296.0, 5651.0, 5393.0, 5337.0, 5485.0, 5655.0, 5451.0, 5558.0, 5600.0, 5536.0, 5493.0, 5375.0, 5414.0, 5350.0, 5477.0, 5723.0, 5661.0, 5521.0, 5325.0, 5522.0, 5508.0, 5585.0, 5656.0, 5273.0, 5631.0, 5534.0, 5528.0, 5341.0, 5268.0, 5704.0, 5461.0, 5336.0, 5381.0, 5376.0, 5506.0, 5626.0, 5317.0, 5663.0, 5415.0, 5650.0, 5549.0, 5584.0, 5674.0, 5362.0, 5542.0, 5605.0, 5591.0, 5525.0, 5519.0, 5602.0, 5473.0, 5380.0, 5653.0, 5395.0, 5447.0, 5481.0, 5555.0, 5455.0, 5344.0, 5698.0

						5305.0, 5592.0, 5677.0, 5400.0, 5480.0 (number of hits: 3)
18	5580	9	1	333	1	5380.0, 5687.0, 5602.0, 5274.0, 5678.0, 5586.0, 5310.0, 5534.0, 5290.0, 5329.0, 5637.0, 5689.0, 5434.0, 5355.0, 5452.0, 5540.0, 5331.0, 5334.0, 5346.0, 5691.0, 5686.0, 5484.0, 5451.0, 5385.0, 5362.0, 5713.0, 5468.0, 5495.0, 5425.0, 5374.0, 5519.0, 5672.0, 5293.0, 5614.0, 5641.0, 5549.0, 5314.0, 5260.0, 5724.0, 5605.0, 5648.0, 5446.0, 5394.0, 5255.0, 5629.0, 5572.0, 5692.0, 5720.0, 5525.0, 5384.0, 5571.0, 5581.0, 5666.0, 5424.0, 5685.0, 5404.0, 5368.0, 5389.0, 5433.0, 5624.0, 5580.0, 5708.0, 5606.0, 5530.0, 5396.0, 5283.0, 5625.0, 5344.0, 5289.0, 5671.0, 5554.0, 5553.0, 5441.0, 5577.0, 5315.0, 5694.0, 5649.0, 5633.0, 5486.0, 5707.0, 5558.0, 5518.0, 5369.0, 5386.0, 5430.0, 5347.0, 5280.0, 5345.0, 5506.0, 5472.0, 5584.0, 5667.0, 5456.0, 5488.0, 5722.0, 5718.0, 5487.0, 5296.0, 5611.0, 5338.0 (number of hits: 7)
19	5580	9	1	333	1	5262.0, 5353.0, 5435.0, 5635.0, 5688.0, 5601.0, 5563.0, 5297.0, 5354.0, 5296.0, 5624.0, 5615.0, 5302.0, 5299.0, 5522.0, 5689.0, 5380.0, 5351.0, 5524.0, 5454.0, 5259.0, 5571.0, 5651.0, 5667.0, 5327.0, 5674.0, 5500.0, 5433.0, 5373.0, 5482.0, 5364.0, 5671.0, 5600.0, 5576.0, 5643.0, 5431.0, 5420.0, 5628.0, 5665.0, 5708.0, 5597.0, 5621.0, 5691.0, 5281.0, 5377.0, 5254.0, 5681.0, 5498.0, 5560.0, 5488.0, 5542.0, 5363.0, 5617.0, 5672.0, 5640.0, 5676.0, 5553.0, 5290.0, 5596.0, 5349.0, 5608.0, 5565.0, 5419.0, 5271.0, 5696.0, 5501.0, 5620.0, 5561.0, 5418.0, 5278.0, 5653.0, 5593.0, 5586.0, 5295.0, 5440.0, 5412.0, 5610.0, 5441.0, 5555.0, 5378.0, 5423.0, 5699.0, 5647.0, 5631.0, 5466.0, 5263.0, 5712.0, 5679.0, 5359.0, 5695.0, 5629.0, 5661.0, 5370.0, 5465.0, 5579.0, 5319.0, 5484.0, 5306.0, 5275.0, 5417.0 (number of hits: 4)
20	5580	9	1	333	1	5581.0, 5478.0, 5321.0, 5406.0, 5289.0, 5390.0, 5606.0, 5554.0, 5310.0, 5525.0, 5258.0, 5529.0, 5649.0, 5659.0, 5440.0, 5363.0, 5320.0, 5700.0, 5276.0, 5567.0, 5367.0, 5326.0, 5535.0, 5608.0, 5628.0, 5511.0, 5671.0, 5357.0, 5573.0, 5370.0, 5420.0, 5476.0, 5533.0, 5712.0, 5330.0, 5547.0, 5515.0, 5431.0, 5500.0, 5328.0, 5438.0, 5475.0, 5627.0, 5641.0, 5521.0, 5545.0, 5488.0, 5348.0, 5265.0, 5549.0, 5697.0, 5663.0, 5580.0, 5269.0, 5263.0, 5702.0, 5691.0, 5489.0, 5293.0, 5639.0, 5538.0, 5380.0, 5701.0, 5556.0, 5457.0, 5392.0, 5359.0, 5646.0, 5576.0, 5470.0, 5507.0, 5252.0, 5543.0, 5670.0, 5454.0, 5715.0, 5643.0, 5550.0, 5394.0, 5483.0,

						5699.0, 5339.0, 5355.0, 5425.0, 5423.0, 5492.0, 5338.0, 5707.0, 5460.0, 5599.0, 5344.0, 5379.0, 5652.0, 5254.0, 5637.0, 5378.0, 5361.0, 5358.0, 5536.0, 5278.0 (number of hits: 4)
21	5580	9	1	333	1	5527.0, 5465.0, 5265.0, 5572.0, 5341.0, 5479.0, 5269.0, 5483.0, 5308.0, 5616.0, 5497.0, 5343.0, 5394.0, 5584.0, 5578.0, 5447.0, 5703.0, 5438.0, 5651.0, 5694.0, 5496.0, 5344.0, 5677.0, 5403.0, 5702.0, 5314.0, 5253.0, 5275.0, 5488.0, 5326.0, 5682.0, 5547.0, 5484.0, 5543.0, 5665.0, 5396.0, 5339.0, 5310.0, 5523.0, 5504.0, 5513.0, 5509.0, 5316.0, 5309.0, 5510.0, 5474.0, 5364.0, 5594.0, 5580.0, 5482.0, 5707.0, 5393.0, 5589.0, 5671.0, 5542.0, 5645.0, 5696.0, 5636.0, 5579.0, 5563.0, 5652.0, 5601.0, 5632.0, 5525.0, 5462.0, 5347.0, 5461.0, 5439.0, 5338.0, 5718.0, 5424.0, 5678.0, 5557.0, 5530.0, 5419.0, 5676.0, 5512.0, 5662.0, 5658.0, 5284.0, 5647.0, 5358.0, 5404.0, 5251.0, 5388.0, 5640.0, 5619.0, 5683.0, 5430.0, 5418.0, 5451.0, 5548.0, 5621.0, 5606.0, 5487.0, 5559.0, 5258.0, 5679.0, 5516.0, 5255.0 (number of hits: 6)
22	5580	9	1	333	1	5609.0, 5566.0, 5307.0, 5541.0, 5568.0, 5711.0, 5548.0, 5644.0, 5481.0, 5509.0, 5614.0, 5251.0, 5499.0, 5646.0, 5610.0, 5373.0, 5544.0, 5655.0, 5693.0, 5554.0, 5268.0, 5480.0, 5306.0, 5591.0, 5716.0, 5443.0, 5393.0, 5514.0, 5669.0, 5638.0, 5546.0, 5316.0, 5259.0, 5378.0, 5275.0, 5657.0, 5674.0, 5673.0, 5463.0, 5567.0, 5433.0, 5403.0, 5696.0, 5342.0, 5388.0, 5344.0, 5385.0, 5494.0, 5616.0, 5685.0, 5705.0, 5686.0, 5346.0, 5664.0, 5340.0, 5454.0, 5533.0, 5276.0, 5379.0, 5658.0, 5496.0, 5702.0, 5698.0, 5450.0, 5671.0, 5384.0, 5706.0, 5318.0, 5418.0, 5465.0, 5528.0, 5362.0, 5642.0, 5444.0, 5331.0, 5582.0, 5327.0, 5430.0, 5665.0, 5325.0, 5301.0, 5542.0, 5635.0, 5341.0, 5395.0, 5356.0, 5425.0, 5681.0, 5376.0, 5332.0, 5587.0, 5576.0, 5380.0, 5549.0, 5256.0, 5652.0, 5267.0, 5607.0, 5312.0, 5440.0 (number of hits: 3)
23	5580	9	1	333	1	5446.0, 5466.0, 5337.0, 5313.0, 5610.0, 5409.0, 5257.0, 5321.0, 5682.0, 5508.0, 5379.0, 5672.0, 5641.0, 5280.0, 5658.0, 5269.0, 5611.0, 5274.0, 5276.0, 5513.0, 5695.0, 5364.0, 5555.0, 5616.0, 5649.0, 5549.0, 5389.0, 5391.0, 5714.0, 5251.0, 5485.0, 5543.0, 5300.0, 5614.0, 5454.0, 5460.0, 5516.0, 5577.0, 5332.0, 5395.0, 5471.0, 5517.0, 5345.0, 5447.0, 5397.0, 5428.0, 5503.0, 5693.0, 5547.0, 5279.0, 5290.0, 5349.0, 5459.0, 5289.0, 5552.0, 5597.0, 5623.0, 5369.0, 5704.0, 5339.0, 5521.0, 5360.0, 5700.0, 5526.0, 5533.0,

						5410.0, 5400.0, 5458.0, 5282.0, 5487.0, 5594.0, 5435.0, 5434.0, 5476.0, 5338.0, 5520.0, 5664.0, 5312.0, 5334.0, 5361.0, 5626.0, 5582.0, 5631.0, 5665.0, 5342.0, 5602.0, 5574.0, 5673.0, 5591.0, 5299.0, 5530.0, 5538.0, 5598.0, 5275.0, 5340.0, 5636.0, 5663.0, 5271.0, 5316.0, 5380.0 (number of hits: 3)
24	5580	9	1	333	1	5602.0, 5567.0, 5397.0, 5286.0, 5393.0, 5660.0, 5677.0, 5497.0, 5575.0, 5288.0, 5656.0, 5646.0, 5419.0, 5680.0, 5354.0, 5687.0, 5655.0, 5631.0, 5525.0, 5343.0, 5702.0, 5285.0, 5590.0, 5565.0, 5375.0, 5394.0, 5370.0, 5718.0, 5664.0, 5552.0, 5643.0, 5336.0, 5551.0, 5282.0, 5510.0, 5626.0, 5515.0, 5386.0, 5500.0, 5427.0, 5268.0, 5254.0, 5305.0, 5658.0, 5706.0, 5374.0, 5675.0, 5415.0, 5372.0, 5659.0, 5420.0, 5351.0, 5671.0, 5549.0, 5257.0, 5629.0, 5482.0, 5307.0, 5324.0, 5318.0, 5432.0, 5458.0, 5701.0, 5722.0, 5618.0, 5662.0, 5654.0, 5280.0, 5676.0, 5669.0, 5339.0, 5502.0, 5298.0, 5373.0, 5326.0, 5328.0, 5429.0, 5573.0, 5593.0, 5459.0, 5642.0, 5417.0, 5263.0, 5267.0, 5446.0, 5439.0, 5425.0, 5627.0, 5376.0, 5633.0, 5252.0, 5468.0, 5359.0, 5533.0, 5521.0, 5641.0, 5589.0, 5457.0, 5619.0, 5612.0 (number of hits: 3)
25	5580	9	1	333	1	5572.0, 5272.0, 5590.0, 5334.0, 5431.0, 5512.0, 5405.0, 5540.0, 5394.0, 5646.0, 5365.0, 5430.0, 5714.0, 5456.0, 5619.0, 5541.0, 5491.0, 5643.0, 5602.0, 5488.0, 5389.0, 5269.0, 5573.0, 5454.0, 5464.0, 5654.0, 5416.0, 5600.0, 5683.0, 5515.0, 5691.0, 5703.0, 5672.0, 5641.0, 5599.0, 5291.0, 5474.0, 5360.0, 5664.0, 5421.0, 5615.0, 5364.0, 5469.0, 5574.0, 5333.0, 5355.0, 5267.0, 5489.0, 5644.0, 5257.0, 5547.0, 5323.0, 5302.0, 5336.0, 5581.0, 5497.0, 5258.0, 5479.0, 5635.0, 5252.0, 5507.0, 5708.0, 5705.0, 5620.0, 5605.0, 5295.0, 5478.0, 5648.0, 5425.0, 5447.0, 5658.0, 5357.0, 5380.0, 5626.0, 5290.0, 5636.0, 5419.0, 5371.0, 5546.0, 5621.0, 5472.0, 5642.0, 5652.0, 5513.0, 5523.0, 5628.0, 5445.0, 5511.0, 5588.0, 5361.0, 5632.0, 5332.0, 5677.0, 5468.0, 5516.0, 5381.0, 5331.0, 5522.0, 5367.0, 5663.0 (number of hits: 5)
26	5580	9	1	333	1	5431.0, 5635.0, 5450.0, 5290.0, 5579.0, 5717.0, 5259.0, 5709.0, 5700.0, 5697.0, 5558.0, 5650.0, 5723.0, 5425.0, 5330.0, 5589.0, 5381.0, 5375.0, 5602.0, 5587.0, 5721.0, 5512.0, 5680.0, 5513.0, 5659.0, 5537.0, 5583.0, 5427.0, 5631.0, 5495.0, 5343.0, 5550.0, 5511.0, 5283.0, 5706.0, 5311.0, 5306.0, 5575.0, 5446.0, 5683.0, 5407.0, 5402.0, 5701.0, 5406.0, 5691.0, 5596.0, 5716.0, 5278.0, 5489.0, 5460.0,

						5520.0, 5699.0, 5536.0, 5627.0, 5690.0, 5565.0, 5653.0, 5514.0, 5416.0, 5560.0, 5341.0, 5447.0, 5316.0, 5618.0, 5265.0, 5475.0, 5486.0, 5368.0, 5328.0, 5672.0, 5340.0, 5676.0, 5390.0, 5510.0, 5294.0, 5473.0, 5554.0, 5508.0, 5526.0, 5662.0, 5257.0, 5410.0, 5470.0, 5336.0, 5647.0, 5523.0, 5533.0, 5386.0, 5638.0, 5267.0, 5258.0, 5556.0, 5524.0, 5608.0, 5325.0, 5605.0, 5260.0, 5542.0, 5379.0, 5598.0 (number of hits: 5)
27	5580	9	1	333	1	5430.0, 5565.0, 5427.0, 5337.0, 5413.0, 5418.0, 5363.0, 5404.0, 5347.0, 5406.0, 5582.0, 5713.0, 5636.0, 5660.0, 5342.0, 5522.0, 5654.0, 5393.0, 5721.0, 5680.0, 5628.0, 5416.0, 5648.0, 5608.0, 5433.0, 5600.0, 5290.0, 5672.0, 5258.0, 5250.0, 5436.0, 5571.0, 5377.0, 5352.0, 5380.0, 5466.0, 5309.0, 5569.0, 5506.0, 5665.0, 5590.0, 5482.0, 5552.0, 5447.0, 5328.0, 5387.0, 5437.0, 5297.0, 5456.0, 5623.0, 5534.0, 5643.0, 5379.0, 5463.0, 5343.0, 5611.0, 5375.0, 5475.0, 5589.0, 5291.0, 5313.0, 5356.0, 5457.0, 5536.0, 5364.0, 5454.0, 5625.0, 5528.0, 5687.0, 5695.0, 5652.0, 5334.0, 5283.0, 5520.0, 5494.0, 5510.0, 5378.0, 5542.0, 5401.0, 5676.0, 5460.0, 5606.0, 5438.0, 5538.0, 5360.0, 5581.0, 5544.0, 5332.0, 5595.0, 5694.0, 5717.0, 5381.0, 5266.0, 5541.0, 5287.0, 5530.0, 5400.0, 5604.0, 5491.0, 5415.0 (number of hits: 4)
28	5580	9	1	333	1	5479.0, 5281.0, 5447.0, 5421.0, 5573.0, 5294.0, 5717.0, 5723.0, 5355.0, 5574.0, 5308.0, 5348.0, 5691.0, 5583.0, 5332.0, 5437.0, 5279.0, 5356.0, 5643.0, 5666.0, 5423.0, 5424.0, 5404.0, 5269.0, 5345.0, 5672.0, 5318.0, 5350.0, 5523.0, 5315.0, 5343.0, 5515.0, 5646.0, 5338.0, 5462.0, 5561.0, 5554.0, 5402.0, 5604.0, 5297.0, 5548.0, 5336.0, 5368.0, 5399.0, 5663.0, 5407.0, 5326.0, 5493.0, 5543.0, 5265.0, 5321.0, 5531.0, 5688.0, 5589.0, 5719.0, 5438.0, 5483.0, 5528.0, 5464.0, 5716.0, 5521.0, 5681.0, 5702.0, 5275.0, 5466.0, 5372.0, 5339.0, 5307.0, 5273.0, 5403.0, 5674.0, 5709.0, 5486.0, 5630.0, 5715.0, 5639.0, 5657.0, 5255.0, 5435.0, 5258.0, 5374.0, 5457.0, 5293.0, 5699.0, 5704.0, 5432.0, 5685.0, 5556.0, 5623.0, 5254.0, 5283.0, 5445.0, 5426.0, 5591.0, 5252.0, 5267.0, 5635.0, 5367.0, 5562.0, 5363.0 (number of hits: 4)
29	5580	9	1	333	1	5406.0, 5339.0, 5550.0, 5463.0, 5712.0, 5351.0, 5388.0, 5320.0, 5602.0, 5304.0, 5407.0, 5469.0, 5259.0, 5253.0, 5516.0, 5252.0, 5353.0, 5472.0, 5697.0, 5644.0, 5677.0, 5605.0, 5588.0, 5290.0, 5269.0, 5421.0, 5275.0, 5322.0, 5404.0, 5505.0, 5721.0, 5396.0, 5492.0, 5615.0, 5596.0,

						5333.0, 5646.0, 5268.0, 5446.0, 5651.0, 5678.0, 5669.0, 5613.0, 5250.0, 5548.0, 5484.0, 5690.0, 5569.0, 5653.0, 5251.0, 5391.0, 5699.0, 5703.0, 5444.0, 5540.0, 5410.0, 5688.0, 5563.0, 5284.0, 5389.0, 5377.0, 5336.0, 5287.0, 5657.0, 5502.0, 5522.0, 5332.0, 5479.0, 5722.0, 5567.0, 5301.0, 5595.0, 5694.0, 5305.0, 5552.0, 5523.0, 5346.0, 5433.0, 5424.0, 5402.0, 5262.0, 5632.0, 5642.0, 5616.0, 5708.0, 5422.0, 5619.0, 5578.0, 5582.0, 5718.0, 5385.0, 5497.0, 5464.0, 5310.0, 5334.0, 5684.0, 5636.0, 5343.0, 5267.0, 5418.0 (number of hits: 3)
30	5580	9	1	333	1	5331.0, 5724.0, 5279.0, 5527.0, 5668.0, 5500.0, 5523.0, 5611.0, 5474.0, 5347.0, 5306.0, 5303.0, 5506.0, 5346.0, 5578.0, 5287.0, 5665.0, 5390.0, 5616.0, 5620.0, 5421.0, 5698.0, 5324.0, 5689.0, 5571.0, 5358.0, 5640.0, 5558.0, 5295.0, 5386.0, 5325.0, 5274.0, 5556.0, 5406.0, 5643.0, 5681.0, 5278.0, 5563.0, 5623.0, 5435.0, 5717.0, 5632.0, 5695.0, 5526.0, 5534.0, 5524.0, 5663.0, 5299.0, 5608.0, 5383.0, 5448.0, 5589.0, 5407.0, 5490.0, 5525.0, 5638.0, 5555.0, 5348.0, 5618.0, 5706.0, 5311.0, 5497.0, 5352.0, 5276.0, 5554.0, 5697.0, 5290.0, 5645.0, 5458.0, 5485.0, 5659.0, 5456.0, 5433.0, 5514.0, 5257.0, 5264.0, 5535.0, 5596.0, 5442.0, 5720.0, 5424.0, 5360.0, 5409.0, 5312.0, 5319.0, 5368.0, 5560.0, 5718.0, 5367.0, 5621.0, 5614.0, 5494.0, 5641.0, 5328.0, 5592.0, 5693.0, 5559.0, 5711.0, 5567.0, 5430.0 (number of hits: 3)

5270 MHz, 40 MHz Bandwidth

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

Please refer to the following statistical tables:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	76	1	698	1
2	5270	67	1	798	1
3	5270	92	1	578	1
4	5270	74	1	718	1
5	5270	99	1	538	1
6	5270	95	1	558	1
7	5270	68	1	778	1
8	5270	72	1	738	1
9	5270	62	1	858	1
10	5270	63	1	838	1
11	5270	58	1	918	1
12	5270	70	1	758	1
13	5270	86	1	618	1
14	5270	61	1	878	1
15	5270	83	1	638	1
16	5270	34	1	1578	1
17	5270	48	1	1122	1
18	5270	54	1	983	1
19	5270	43	1	1242	1
20	5270	24	1	2212	1
21	5270	37	1	1459	1
22	5270	58	1	922	1
23	5270	24	1	2293	1
24	5270	20	1	2742	1
25	5270	65	1	812	1
26	5270	41	1	1299	1
27	5270	27	1	2008	1
28	5270	54	1	980	1
29	5270	21	1	2567	1
30	5270	50	1	1064	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	5	185	1
2	5270	28	4.5	163	1
3	5270	27	3.9	215	1
4	5270	26	3.2	228	1
5	5270	25	2.9	209	1
6	5270	29	2.3	156	1
7	5270	26	2	211	1
8	5270	23	2.2	195	1
9	5270	25	4.2	199	1
10	5270	28	4.6	173	1
11	5270	28	3.9	208	1
12	5270	29	2.3	151	1
13	5270	23	2.5	176	1
14	5270	29	5	205	1
15	5270	27	3.4	173	1
16	5270	23	4.2	224	1
17	5270	24	3.9	229	1
18	5270	24	1	173	1
19	5270	29	3.6	166	1
20	5270	26	4.2	172	1
21	5270	29	1.2	159	1
22	5270	26	3.2	222	1
23	5270	28	1.2	228	1
24	5270	27	4.6	159	1
25	5270	28	2.6	179	1
26	5270	24	2.6	206	1
27	5270	29	1.2	191	1
28	5270	24	4.5	177	1
29	5270	24	1.6	219	1
30	5270	28	2.2	158	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	17	8	397	1
2	5270	17	7.5	276	1
3	5270	18	7	399	1
4	5270	18	9.9	421	1
5	5270	17	6.2	245	1
6	5270	16	9.1	449	1
7	5270	16	9.4	329	1
8	5270	17	8.9	357	1
9	5270	16	9.3	484	1
10	5270	18	8.4	498	1
11	5270	16	9	397	1
12	5270	17	7.5	310	1
13	5270	17	9.7	312	1
14	5270	18	7.5	402	1
15	5270	18	7.6	267	1
16	5270	17	6.7	342	1
17	5270	18	6.6	307	1
18	5270	18	8.8	325	1
19	5270	16	9	228	1
20	5270	18	9.1	469	1
21	5270	17	7.4	431	1
22	5270	17	9.4	398	1
23	5270	17	7.1	298	1
24	5270	17	6.5	432	1
25	5270	16	7.2	335	1
26	5270	16	9	244	1
27	5270	18	8.1	413	1
28	5270	16	7.9	249	1
29	5270	18	8.5	426	1
30	5270	16	7.2	239	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	16	14.1	468	1
2	5270	15	18.3	263	1
3	5270	15	15	394	1
4	5270	13	18.9	417	1
5	5270	16	14.1	284	1
6	5270	13	15	279	1
7	5270	16	12.9	430	1
8	5270	15	20	283	1
9	5270	14	17.2	409	1
10	5270	16	18	455	1
11	5270	16	17.4	332	1
12	5270	13	16	315	1
13	5270	14	13.1	200	1
14	5270	12	12.1	392	1
15	5270	13	15	394	1
16	5270	12	15.2	458	1
17	5270	13	18	361	1
18	5270	12	19.9	425	1
19	5270	16	12.2	305	1
20	5270	14	11.7	251	1
21	5270	14	18.2	238	1
22	5270	13	15.6	451	1
23	5270	13	11.5	370	1
24	5270	12	15.1	493	1
25	5270	14	17	441	1
26	5270	12	15.3	435	1
27	5270	12	17.5	302	1
28	5270	15	11	476	1
29	5270	12	19.8	343	1
30	5270	14	17.1	374	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5276MHz

Trial #	Pulse	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	66			0.09613	1
1	2	9	73.7	1453		0.708517	
2	3	8	97.9	1480	1139	1.612347	
3	2	11	98.3	1954		2.103938	
4	3	17	81.1	1917	1411	2.706733	
5	2	18	61.8	1190		3.695184	
6	1	11	54.7			4.209044	
7	2	16	88.4	1560		4.695987	
8	3	14	72.6	1672	1803	5.602633	
9	1	19	79.2			6.534263	
10	2	9	76.6	1813		6.907455	
11	2	6	97.9	1427		7.897076	
12	2	9	51.3	1557		8.36115	
13	2	8	54.6	1278		8.860018	
14	2	18	60.7	1613		9.668109	
15	2	9	75.3	1346		10.52161	
16	2	12	83.4	1418		10.703975	
17	2	10	51	1378		11.3874	

Bin5 Statistics 2

CF=5253MHz

Trial #	Pulse	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	97.5	1091	1953	0.348861	1
1	2	14	87.2	1761		0.82193	
2	2	6	55	1392		1.475607	
3	2	17	98.7	1607		2.322987	
4	3	7	98.4	1203	1838	2.67935	
5	3	14	94.5	1837	1951	3.387206	
6	2	19	66.1	1141		3.818496	
7	3	20	71.4	1242	1496	4.516273	
8	2	8	77.1	1838		5.010057	
9	2	11	80	1960		5.42349	
10	1	11	65.2			6.483684	
11	1	8	52.2			7.116351	
12	2	13	56.9	1679		7.687902	
13	1	6	57.1			7.849084	
14	2	10	99.3	1482		8.430499	
15	2	15	61.9	1284		9.352278	
16	1	19	84.5			10.059098	
17	3	17	91.2	1612	1739	10.323832	
18	1	16	54.6			11.283832	
19	2	10	95	1955		11.786068	

Bin5 Statistics 3

CF=5276MHz

Trial #	Pulse	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	91.2			0.489972	1
1	2	11	55	1793		1.003075	
2	1	14	92.4			1.873067	
3	1	10	84.3			2.149627	
4	3	9	75	1137	1440	2.946434	
5	2	16	63.8	1774		3.918466	
6	1	19	66.1			4.62161	
7	2	13	64.9	1884		5.075692	
8	2	8	95.2	1374		5.956645	
9	2	10	81.6	1484		6.575768	
10	3	17	56.3	1840	1656	7.243998	
11	2	19	80.2	1922		7.998989	
12	1	13	56.2			8.8532	
13	2	6	56.9	1295		9.308676	
14	2	14	58.3	1497		10.251207	
15	3	14	94.8	1822	1245	10.797186	
16	2	17	56.3	1752		11.936615	

Bin5 Statistics 4

CF=5259MHz

Trial #	Pulse	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	67.9	1856	1897	0.322208	1
1	3	17	65.8	1365	1868	1.800266	
2	2	5	76.3	1521		3.079585	
3	3	8	56.9	1507	1224	4.764573	
4	2	6	91.5	1930		6.124237	
5	2	10	85.7	1148		7.781892	
6	2	6	91.2	1287		8.345008	
7	2	6	98.2	1967		9.809404	
8	1	7	82.2			11.087823	

Bin5 Statistics 5

CF=5263MHz

Trial #	Pulse	Chirp (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	60.3	1894		0.01594	1
1	2	18	91.9	1122		1.311543	
2	1	10	58.7			1.875098	
3	1	10	75.6			2.283654	
4	3	15	77.8	1432	1038	3.198274	
5	2	16	75.4	1936		4.165834	
6	2	18	84.7	1587		4.536041	
7	2	12	74.5	1895		5.141582	
8	1	10	86.8			5.746839	
9	2	20	66.9	1641		6.407522	
10	3	15	71.1	1003	1074	7.67726	
11	1	7	75			8.107611	
12	2	7	64.4	1232		9.161721	
13	1	18	71.9			9.541746	
14	1	16	73.9			9.901219	
15	2	14	68.1	1148		11.049924	
16	2	12	67	1767		11.938687	

Bin5 Statistics 6

CF=5280MHz

Trial #	Pulse	Chirp (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	99.5	1262		0.426386	1
1	3	12	53.3	1260	1928	0.810181	
2	2	17	64.4	1781		1.681307	
3	2	15	70.4	1569		2.480462	
4	3	8	98	1015	1061	3.317771	
5	2	16	92	1806		3.855594	
6	1	12	52.8			4.518894	
7	2	9	57	1059		5.116826	
8	2	6	93.3	1025		5.844851	
9	1	5	95			6.566462	
10	2	10	95	1844		7.32188	
11	2	14	73.8	1219		7.685978	
12	2	7	51.9	1776		8.524308	
13	1	13	77.6			9.006073	
14	2	19	89.7	1041		9.949566	
15	3	9	76	1775	1426	10.082558	
16	3	5	98.5	1386	1607	10.743044	
17	1	17	78.3			11.533376	

Bin5 Statistics 7

CF=5278MHz

Trial #	Pulse	Chirp (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	71.5	1967		0.266138	1
1	2	15	67	1870		0.760354	
2	2	19	73.9	1396		1.406379	
3	2	16	84.9	1022		2.084625	
4	2	12	72.4	1376		2.793483	
5	2	6	63	1951		3.499999	
6	2	19	85.8	1966		4.030436	
7	3	5	65.4	1874	1868	4.983946	
8	2	7	69.4	1724		5.507226	
9	3	9	77.7	1168	1081	5.965047	
10	1	7	71.5			6.38444	
11	2	15	91.1	1661		7.079269	
12	2	7	89.2	1156		7.918095	
13	3	19	62.8	1473	1956	8.656356	
14	2	13	89.1	1954		8.888083	
15	1	8	74.7			9.944635	
16	2	8	83.5	1785		10.529597	
17	1	7	65.3			11.10661	
18	1	13	84.4			11.87253	

Bin5 Statistics 8

CF=5259MHz

Trial #	Pulse	Chirp (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	62.5	1894		0.217932	1
1	2	12	77.8	1503		0.977911	
2	2	13	52.2	1195		1.416029	
3	2	17	89.2	1516		2.518438	
4	2	14	90.5	1708		3.169133	
5	2	13	69.8	1991		3.717077	
6	2	6	50.3	1455		4.519989	
7	3	6	59.3	1194	1105	4.714372	
8	1	12	58.2			5.64266	
9	2	7	54	1900		6.471518	
10	2	8	61.5	1745		6.955468	
11	3	19	83.4	1927	1962	7.71075	
12	2	20	99.9	1503		8.572365	
13	2	8	97.4	1302		9.013185	
14	2	16	59	1862		9.37639	
15	1	7	68.3			10.369893	
16	1	11	60.4			10.712523	
17	2	10	68.7	1738		11.59065	

Bin5 Statistics 9

CF=5267MHz

Trial #	Pulse	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	77.2	1858	1684	0.973644	1
1	2	7	64.2	1221		1.435665	
2	1	9	82.2			2.663094	
3	2	10	72.7	1991		3.807579	
4	3	17	99.5	1610	1593	4.905533	
5	2	10	87.8	1885		5.93262	
6	2	12	55.1	1415		6.787687	
7	1	5	50.2			7.11	
8	1	15	84.8			8.250667	
9	3	8	79.1	1709	1191	9.188199	
10	2	7	79.1	1816		10.157228	
11	1	8	72.3			11.852171	

Bin5 Statistics 10

CF=5266MHz

Trial #	Pulse	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	61.8	1398	1299	0.072277	1
1	1	13	88.4			1.245648	
2	2	19	71.5	1669		2.020709	
3	1	19	73.4			2.610716	
4	1	20	71.9			3.901075	
5	2	15	50.1	1437		4.623247	
6	3	20	73.7	1332	1069	5.923464	
7	3	7	82.7	1810	1598	6.507779	
8	2	14	88.5	1532		7.384728	
9	2	16	84.8	1267		8.471247	
10	1	19	98.2			9.244588	
11	2	9	93	1909		10.163055	
12	3	15	73.9	1325	1605	10.930785	
13	2	5	96.5	1186		11.292756	

Bin5 Statistics 11

CF=5263MHz

Trial #	Pulse	Chirp (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	86.4	1425		0.290716	1
1	1	10	54.6			1.829704	
2	2	18	56.1	1653		2.184632	
3	2	12	81.1	1313		3.290195	
4	1	13	66.7			4.407002	
5	1	15	87.4			5.756001	
6	2	13	54.8	1103		6.534455	
7	2	7	81.4	1166		7.585881	
8	2	15	62.1	1860		8.127181	
9	1	9	64			9.692314	
10	3	18	98.6	1895	1841	10.124789	
11	1	19	58.6			11.8082	

Bin5 Statistics 12

CF=5281MHz

Trial #	Pulse	Chirp (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	84.5	1287		0.273743	1
1	2	12	94.5	1059		0.92188	
2	2	15	61.6	1111		2.010341	
3	1	13	79.5			2.462174	
4	2	17	96.1	1161		3.130599	
5	3	13	72.2	1281	1812	3.818057	
6	1	15	86.6			4.352863	
7	1	14	86.5			5.339727	
8	2	15	53.4	1602		6.228283	
9	1	11	54.7			6.991353	
10	1	6	70.1			7.274289	
11	2	20	70	1022		8.23344	
12	3	13	95.9	1846	1568	9.070394	
13	1	19	56.8			9.616768	
14	1	19	79.1			10.450873	
15	1	7	83.6			10.677851	
16	2	12	89	1066		11.465524	

Bin5 Statistics 13

CF=5275MHz

Trial #	Pulse	Chirp (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	82.6	1755		0.271804	1
1	2	15	82.2	1731		2.718072	
2	2	18	90	1895		3.019606	
3	1	8	99			5.90625	
4	3	9	72.1	1129	1482	6.80941	
5	2	13	52.6	1608		8.743011	
6	3	9	57.5	1825	1032	9.188859	
7	1	6	78			11.287522	

Bin5 Statistics 14

CF=5276MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	67.8	1438		0.297918	1
1	3	14	73.4	1405	1646	2.426365	
2	2	11	67	1782		3.332417	
3	2	15	73.1	1052		4.911438	
4	2	17	99.8	1238		6.188714	
5	2	10	94.1	1672		7.816224	
6	2	18	94.4	1281		8.270049	
7	2	16	78.5	1434		10.330776	
8	2	20	52.8	1432		11.714252	

Bin5 Statistics 15

CF=5271MHz

Trial #	Pulse	Chirp (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	96.7	1696		0.004975	1
1	2	15	90.2	1057		1.508354	
2	2	5	58	1990		3.346142	
3	2	9	89.3	1225		3.940775	
4	1	11	63.2			5.885814	
5	1	20	59.8			6.35767	
6	3	8	91.3	1095	1273	7.313598	
7	1	13	54.6			8.740114	
8	2	13	87.1	1996		9.807621	
9	1	18	64.7			11.81583	

Bin5 Statistics 16

CF=5279MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	63	1492		0.827875	1
1	2	13	61.4	1890		2.33106	
2	1	12	50.4			2.718439	
3	2	14	79	1765		5.00094	
4	2	6	90.2	1063		6.349899	
5	2	16	62.1	1977		7.541565	
6	2	13	66	1585		8.44997	
7	3	10	88.4	1121	1204	9.472423	
8	2	6	77.2	1539		11.327445	

Bin5 Statistics 17

CF=5279MHz

Trial #	Pulse	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	89	1077	1738	0.078237	1
1	2	12	71.4	1988		1.098827	
2	3	19	52.7	1242	1528	2.290683	
3	2	17	70.8	1428		2.981357	
4	2	18	89.2	1064		3.753313	
5	2	6	63.6	1527		4.043151	
6	3	14	74	1752	1473	5.520654	
7	2	19	65.7	1200		5.756174	
8	2	7	92.9	1051		7.03254	
9	3	6	67.4	1811	1187	7.536524	
10	2	17	56.6	1673		8.59196	
11	2	8	72.8	1691		9.15444	
12	2	6	72.9	1280		9.936003	
13	2	11	71.2	1390		10.746929	
14	3	10	78.2	1599	1573	11.864658	

Bin5 Statistics 18

CF=5260MHz

Trial #	Pulse	Chirp (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	85.9	1597		0.04722	1
1	2	18	57.1	1240		0.757439	
2	2	7	93.3	1916		1.810359	
3	2	11	71.7	1014		2.480174	
4	2	11	63.3	1676		3.071524	
5	2	20	94.3	1491		3.164148	
6	2	9	57.5	1909		3.907188	
7	1	11	73.4			4.477516	
8	1	7	89			5.2067	
9	2	7	82.6	1923		6.102546	
10	2	13	60.9	1000		6.412567	
11	2	11	65.3	1385		7.355547	
12	2	13	94.2	1244		8.160923	
13	2	10	52.9	1837		8.37525	
14	1	9	72.2			9.284088	
15	2	11	85.9	1892		9.885264	
16	3	20	99.1	1776	1683	10.531106	
17	2	17	58.6	1472		10.957612	
18	1	11	64.5			11.414709	

Bin5 Statistics 19

CF=5268MHz

Trial #	Pulse	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	60.9			1.240362	1
1	1	17	76.7			1.374039	
2	1	13	71.8			3.179543	
3	2	10	83.7	1252		5.154639	
4	2	10	78.3	1446		5.720791	
5	1	18	64.8			7.639759	
6	1	5	75.5			9.024317	
7	1	9	87.7			10.424272	
8	3	15	98.8	1281	1802	10.770324	

Bin5 Statistics 20

CF=5259MHz

Trial #	Pulse	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	59.8			0.866728	1
1	3	7	91.1	1940	1807	1.820332	
2	2	15	93.5	1568		2.603944	
3	3	11	93.9	1676	1566	4.518872	
4	2	15	72.1	1277		5.438057	
5	2	12	65	1880		6.203099	
6	2	7	71.1	1237		7.253559	
7	2	9	63.6	1487		8.401693	
8	2	14	60.2	1215		10.486081	
9	2	6	71.8	1662		11.235324	

Bin5 Statistics 21

CF=5263MHz

Trial #	Pulse	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	96.9			0.08087	1
1	2	6	68.1	1867		1.256822	
2	2	6	71.4	1304		3.218841	
3	2	9	78	1826		3.737979	
4	2	6	55.1	1341		4.8955	
5	1	18	87.1			6.514672	
6	1	16	86.1			6.753937	
7	3	12	56	1988	1582	7.722508	
8	2	7	72.1	1272		9.591387	
9	2	9	85.2	1096		10.610301	
10	2	19	52.5	1586		11.778031	

Bin5 Statistics 22

CF=5268MHz

Trial #	Pulse	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	76.2			0.182136	1
1	1	9	50.9			1.030517	
2	3	7	73.1	1176	1024	1.437539	
3	1	10	97.8			2.300027	
4	2	8	88.2	1266		2.483146	
5	2	9	79.5	1449		3.264338	
6	1	18	57.5			4.113687	
7	2	8	86.6	1354		4.220402	
8	3	13	88.8	1726	1266	5.011437	
9	2	10	96.6	1539		5.686317	
10	2	13	69.5	1791		6.01091	
11	2	13	90.1	1177		7.17189	
12	2	5	57.8	1214		7.38192	
13	1	13	76.3			8.260015	
14	3	17	60.8	1807	1166	8.776048	
15	2	14	77	1387		9.275505	
16	3	12	94.9	1861	1564	9.873299	
17	1	10	71.1			10.472683	
18	3	12	85.6	1718	1140	10.9088	
19	2	7	79.3	1084		11.443699	

Bin5 Statistics 23

CF=5271MHz

Trial #	Pulse	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	99.9			0.630138	1
1	1	9	89.5			0.977765	
2	2	20	79.8	1914		1.827752	
3	1	7	56.8			2.27057	
4	3	16	98.1	1917	1036	2.9329	
5	1	20	86.3			3.960121	
6	2	17	65.7	1126		4.475486	
7	2	13	54.3	1270		5.067771	
8	2	12	60.7	1375		6.043046	
9	2	9	51.4	1208		6.779544	
10	3	16	58.1	1660	1062	7.526796	
11	1	11	93.1			8.186323	
12	1	16	55.3			8.698178	
13	2	11	82.7	1755		9.356445	
14	2	16	80.5	1103		9.973646	
15	1	14	51.1			10.769467	
16	2	15	86.7	1259		11.567871	

Bin5 Statistics 24

CF=5261MHz

Trial #	Pulse	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	54.6	1210	1408	0.294885	1
1	2	10	67.2	1151		0.990604	
2	2	10	87.2	1654		2.026932	
3	1	15	56.3			2.953611	
4	3	16	52.8	1109	1159	3.478756	
5	2	5	51	1397		4.299767	
6	3	18	73.4	1380	1686	4.668218	
7	1	16	76.5			5.834016	
8	3	12	63.4	1368	1320	6.582197	
9	2	8	70.2	1020		6.901264	
10	2	12	60.1	1795		7.640894	
11	3	12	79.9	1654	1779	8.269425	
12	2	11	96.6	1505		9.450502	
13	2	12	99.5	1992		10.211192	
14	2	5	98.1	1587		10.792205	
15	2	13	93.6	1693		11.979427	

Bin5 Statistics 25

CF=5276MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	84.2	1423		0.357368	1
1	2	8	99.1	1632		1.630387	
2	2	5	55.7	1111		1.74441	
3	2	13	72	1409		2.754134	
4	1	14	75.5			4.005341	
5	3	6	97.4	1136	1008	4.851965	
6	2	18	100	1564		5.297233	
7	3	14	66.4	1895	1112	6.709611	
8	2	7	94.6	1266		7.128722	
9	2	7	85.4	1991		7.867252	
10	3	14	84.2	1440	1901	8.841054	
11	2	11	89.5	1791		9.911343	
12	2	18	52.5	1192		10.937029	
13	3	13	62	1673	1153	11.773766	

Bin5 Statistics 26

CF=5257MHz

Trial #	Pulse	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	55.2	1648	1473	0.064727	1
1	1	15	60.7			1.104496	
2	1	18	98.6			1.71395	
3	3	19	55.3	1049	1298	2.026621	
4	2	17	77.4	1508		2.663261	
5	2	13	72.4	1521		3.732845	
6	2	15	99.8	1053		3.854308	
7	2	7	67	1152		5.004606	
8	3	14	95.4	1823	1327	5.160695	
9	2	13	69.6	1448		6.035112	
10	2	14	93.5	1231		6.582751	
11	2	6	51.2	1718		7.172173	
12	1	16	57.5			8.161588	
13	1	12	72.6			8.474512	
14	2	13	85.9	1118		8.968792	
15	2	9	70.1	1894		9.970158	
16	1	9	95.5			10.141778	
17	3	15	91.5	1797	1139	11.006302	
18	1	16	68.7			11.708311	

Bin5 Statistics 27

CF=5278MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	64.8	1456	1816	0.428848	1
1	1	8	86.4			0.854214	
2	2	8	60.3	1710		2.238519	
3	2	17	69.1	1601		2.325938	
4	1	9	76.9			3.622888	
5	3	8	74.4	1835	1350	4.447731	
6	2	9	95.9	1356		4.561457	
7	3	19	83.7	1084	1598	5.297564	
8	2	13	63.5	1606		6.392958	
9	2	9	66.6	1082		7.16706	
10	1	9	85.6			7.612331	
11	2	13	70.4	1118		8.579461	
12	3	16	97.2	1480	1259	9.529519	
13	1	16	61.9			10.022102	
14	2	7	50.5	1217		10.695707	
15	2	12	69.3	1253		11.292986	

Bin5 Statistics 28

CF=5273MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	83.1	1214		0.096459	1
1	3	20	98.9	1039	1769	1.397827	
2	2	19	62	1774		1.481398	
3	1	9	92.7			2.538273	
4	2	12	95.5	1210		3.005565	
5	2	14	86.6	1762		4.033014	
6	2	16	59.5	1203		4.863098	
7	1	6	88.3			5.554697	
8	2	5	54.7	1082		5.756517	
9	2	20	82.7	1898		6.582028	
10	3	7	83.7	1981	1178	7.490462	
11	2	15	91.9	1427		7.832103	
12	1	15	78.4			8.596193	
13	3	14	57.8	1271	1606	9.198894	
14	3	19	59.7	1544	1729	10.079265	
15	3	15	70.2	1380	1333	11.130794	
16	3	20	60.6	1736	1024	11.327229	

Bin5 Statistics 29

CF=5264MHz

Trial #	Pulse	Chirp (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	70.6	1572		0.79474	1
1	1	13	78.8			1.41147	
2	2	10	64.9	1491		2.035383	
3	2	20	56.3	1381		2.667861	
4	1	18	54.3			4.025165	
5	2	16	89.7	1913		4.519779	
6	3	17	54.4	1262	1124	5.325794	
7	2	14	63.7	1548		6.21448	
8	2	17	62	1562		7.590305	
9	1	10	79.2			8.45561	
10	3	15	69.7	1336	1574	8.654472	
11	2	12	85.3	1579		10.118862	
12	2	6	60.4	1185		10.863706	
13	3	8	67.6	1809	1695	11.473707	

Bin5 Statistics 30

CF=5263MHz

Trial #	Pulse	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	50.5			0.178824	1
1	3	7	56.9	1491	1148	1.314113	
2	2	19	55.4	1981		2.817314	
3	2	17	51	1770		3.415125	
4	3	8	56.8	1911	1712	4.000657	
5	2	10	54.1	1695		5.501065	
6	2	12	93.2	1780		6.058519	
7	2	14	89.3	1132		7.664502	
8	3	16	57.2	1383	1627	8.257697	
9	2	16	91.2	1882		9.35264	
10	3	13	62.7	1552	1349	10.440124	
11	3	6	66.2	1044	1277	11.690534	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5270	9	1	333	1	5336.0, 5407.0, 5355.0, 5512.0, 5318.0, 5530.0, 5478.0, 5411.0, 5366.0, 5317.0, 5622.0, 5588.0, 5253.0, 5504.0, 5489.0, 5298.0, 5714.0, 5508.0, 5628.0, 5716.0, 5438.0, 5614.0, 5363.0, 5699.0, 5477.0, 5584.0, 5395.0, 5559.0, 5573.0, 5540.0, 5269.0, 5457.0, 5292.0, 5331.0, 5309.0, 5553.0, 5445.0, 5451.0, 5545.0, 5416.0, 5440.0, 5360.0, 5278.0, 5324.0, 5656.0, 5579.0, 5419.0, 5499.0, 5650.0, 5646.0, 5444.0, 5641.0, 5426.0, 5604.0, 5663.0, 5464.0, 5379.0, 5294.0, 5251.0, 5528.0, 5453.0, 5431.0, 5511.0, 5506.0, 5675.0, 5361.0, 5252.0, 5314.0, 5486.0, 5481.0, 5595.0, 5383.0, 5388.0, 5460.0, 5424.0, 5301.0, 5368.0, 5682.0, 5339.0, 5410.0, 5679.0, 5703.0, 5670.0, 5538.0, 5341.0, 5567.0, 5636.0, 5359.0, 5680.0, 5596.0, 5370.0, 5562.0, 5602.0, 5387.0, 5624.0, 5255.0, 5629.0, 5715.0, 5449.0, 5432.0 (number of hits: 6)
2	5270	9	1	333	1	5441.0, 5690.0, 5468.0, 5390.0, 5717.0, 5686.0, 5534.0, 5626.0, 5439.0, 5287.0, 5286.0, 5550.0, 5525.0, 5684.0, 5405.0, 5622.0, 5688.0, 5612.0, 5499.0, 5308.0, 5463.0, 5639.0, 5464.0, 5556.0, 5310.0, 5535.0, 5316.0, 5460.0, 5435.0, 5265.0, 5432.0, 5331.0, 5396.0, 5376.0, 5251.0, 5698.0, 5352.0, 5559.0, 5649.0, 5305.0, 5721.0, 5523.0, 5495.0, 5566.0, 5652.0, 5615.0, 5474.0, 5687.0, 5664.0, 5386.0, 5259.0, 5260.0, 5603.0, 5444.0, 5446.0, 5291.0, 5580.0, 5569.0, 5425.0, 5712.0, 5298.0, 5667.0, 5627.0, 5519.0, 5509.0, 5537.0, 5539.0, 5325.0, 5696.0, 5411.0, 5524.0, 5267.0, 5507.0, 5295.0, 5420.0, 5382.0, 5357.0, 5527.0, 5611.0, 5360.0, 5668.0, 5336.0, 5623.0, 5595.0, 5398.0, 5346.0, 5289.0, 5653.0, 5536.0, 5655.0, 5660.0, 5275.0, 5459.0, 5585.0, 5426.0, 5714.0, 5576.0, 5278.0, 5466.0, 5335.0 (number of hits: 10)
3	5270	9	1	333	1	5685.0, 5388.0, 5472.0, 5574.0, 5311.0, 5618.0, 5428.0, 5645.0, 5682.0, 5625.0, 5579.0, 5705.0, 5566.0, 5703.0, 5629.0, 5376.0, 5380.0, 5397.0, 5666.0, 5287.0, 5697.0, 5597.0, 5256.0, 5706.0, 5370.0, 5589.0, 5324.0, 5663.0, 5252.0, 5468.0, 5432.0, 5259.0, 5268.0, 5422.0, 5288.0, 5647.0, 5515.0, 5484.0, 5367.0, 5614.0, 5583.0, 5358.0, 5453.0, 5487.0, 5661.0, 5326.0, 5363.0, 5471.0, 5354.0, 5708.0, 5552.0, 5616.0, 5410.0, 5674.0, 5334.0, 5678.0, 5364.0, 5292.0, 5601.0, 5474.0,

						5374.0, 5584.0, 5310.0, 5378.0, 5557.0, 5514.0, 5386.0, 5669.0, 5648.0, 5693.0, 5628.0, 5331.0, 5611.0, 5619.0, 5264.0, 5699.0, 5439.0, 5639.0, 5712.0, 5508.0, 5398.0, 5701.0, 5448.0, 5300.0, 5573.0, 5272.0, 5677.0, 5723.0, 5667.0, 5722.0, 5511.0, 5323.0, 5425.0, 5440.0, 5390.0, 5541.0, 5282.0, 5418.0, 5414.0, 5302.0 (number of hits: 9)
4	5270	9	1	333	1	5339.0, 5486.0, 5475.0, 5356.0, 5495.0, 5662.0, 5306.0, 5298.0, 5348.0, 5338.0, 5402.0, 5359.0, 5540.0, 5493.0, 5685.0, 5439.0, 5377.0, 5408.0, 5262.0, 5434.0, 5462.0, 5347.0, 5471.0, 5446.0, 5525.0, 5397.0, 5724.0, 5710.0, 5335.0, 5310.0, 5384.0, 5436.0, 5405.0, 5322.0, 5361.0, 5383.0, 5443.0, 5596.0, 5290.0, 5579.0, 5422.0, 5697.0, 5591.0, 5598.0, 5368.0, 5686.0, 5584.0, 5703.0, 5544.0, 5625.0, 5600.0, 5708.0, 5409.0, 5627.0, 5711.0, 5582.0, 5299.0, 5433.0, 5659.0, 5601.0, 5597.0, 5363.0, 5480.0, 5505.0, 5623.0, 5682.0, 5631.0, 5550.0, 5454.0, 5351.0, 5512.0, 5404.0, 5690.0, 5673.0, 5428.0, 5382.0, 5568.0, 5481.0, 5452.0, 5279.0, 5329.0, 5530.0, 5386.0, 5387.0, 5385.0, 5575.0, 5336.0, 5435.0, 5716.0, 5655.0, 5292.0, 5536.0, 5660.0, 5400.0, 5522.0, 5561.0, 5330.0, 5611.0, 5319.0, 5271.0 (number of hits: 3)
5	5270	9	1	333	1	5705.0, 5334.0, 5681.0, 5663.0, 5311.0, 5583.0, 5704.0, 5281.0, 5284.0, 5360.0, 5677.0, 5389.0, 5646.0, 5479.0, 5567.0, 5578.0, 5357.0, 5640.0, 5597.0, 5645.0, 5326.0, 5261.0, 5548.0, 5294.0, 5675.0, 5458.0, 5539.0, 5356.0, 5699.0, 5379.0, 5367.0, 5722.0, 5624.0, 5384.0, 5399.0, 5313.0, 5585.0, 5428.0, 5343.0, 5385.0, 5574.0, 5269.0, 5572.0, 5490.0, 5696.0, 5425.0, 5265.0, 5602.0, 5555.0, 5253.0, 5419.0, 5504.0, 5518.0, 5453.0, 5454.0, 5713.0, 5456.0, 5643.0, 5414.0, 5268.0, 5565.0, 5378.0, 5660.0, 5589.0, 5636.0, 5666.0, 5706.0, 5297.0, 5718.0, 5452.0, 5455.0, 5554.0, 5614.0, 5598.0, 5579.0, 5280.0, 5469.0, 5688.0, 5550.0, 5665.0, 5393.0, 5407.0, 5320.0, 5530.0, 5374.0, 5255.0, 5607.0, 5628.0, 5544.0, 5418.0, 5296.0, 5563.0, 5720.0, 5310.0, 5655.0, 5692.0, 5438.0, 5647.0, 5349.0, 5641.0 (number of hits: 9)
6	5270	9	1	333	1	5702.0, 5267.0, 5365.0, 5388.0, 5637.0, 5541.0, 5429.0, 5475.0, 5447.0, 5393.0, 5487.0, 5657.0, 5546.0, 5341.0, 5550.0, 5669.0, 5454.0, 5347.0, 5675.0, 5626.0, 5335.0, 5668.0, 5505.0, 5422.0, 5575.0, 5333.0, 5654.0, 5397.0, 5600.0, 5411.0, 5460.0, 5275.0, 5615.0, 5366.0, 5605.0, 5548.0, 5691.0, 5346.0, 5601.0, 5338.0, 5371.0, 5253.0, 5625.0, 5652.0, 5479.0,

						5649.0, 5542.0, 5283.0, 5250.0, 5255.0, 5324.0, 5627.0, 5580.0, 5592.0, 5339.0, 5701.0, 5478.0, 5469.0, 5348.0, 5604.0, 5667.0, 5651.0, 5556.0, 5367.0, 5712.0, 5295.0, 5509.0, 5400.0, 5720.0, 5653.0, 5538.0, 5561.0, 5459.0, 5252.0, 5639.0, 5375.0, 5584.0, 5562.0, 5717.0, 5336.0, 5618.0, 5655.0, 5521.0, 5602.0, 5297.0, 5383.0, 5294.0, 5318.0, 5510.0, 5710.0, 5281.0, 5369.0, 5520.0, 5718.0, 5279.0, 5693.0, 5617.0, 5278.0, 5379.0, 5508.0 (number of hits: 10)
7	5270	9	1	333	1	5297.0, 5372.0, 5550.0, 5460.0, 5624.0, 5621.0, 5375.0, 5347.0, 5707.0, 5628.0, 5492.0, 5688.0, 5614.0, 5342.0, 5524.0, 5500.0, 5361.0, 5585.0, 5656.0, 5397.0, 5394.0, 5529.0, 5601.0, 5354.0, 5322.0, 5615.0, 5471.0, 5291.0, 5378.0, 5339.0, 5651.0, 5429.0, 5287.0, 5386.0, 5589.0, 5423.0, 5333.0, 5391.0, 5435.0, 5326.0, 5490.0, 5399.0, 5383.0, 5406.0, 5691.0, 5590.0, 5696.0, 5412.0, 5356.0, 5432.0, 5302.0, 5506.0, 5392.0, 5408.0, 5701.0, 5613.0, 5605.0, 5448.0, 5689.0, 5454.0, 5569.0, 5267.0, 5438.0, 5587.0, 5676.0, 5672.0, 5374.0, 5278.0, 5279.0, 5486.0, 5396.0, 5665.0, 5258.0, 5280.0, 5331.0, 5441.0, 5337.0, 5271.0, 5277.0, 5431.0, 5502.0, 5666.0, 5453.0, 5599.0, 5682.0, 5559.0, 5523.0, 5476.0, 5508.0, 5274.0, 5571.0, 5444.0, 5498.0, 5657.0, 5660.0, 5606.0, 5512.0, 5488.0, 5430.0, 5483.0 (number of hits: 9)
8	5270	9	1	333	1	5363.0, 5442.0, 5389.0, 5457.0, 5358.0, 5453.0, 5256.0, 5586.0, 5648.0, 5297.0, 5539.0, 5468.0, 5341.0, 5333.0, 5402.0, 5335.0, 5686.0, 5464.0, 5667.0, 5380.0, 5693.0, 5315.0, 5675.0, 5707.0, 5426.0, 5573.0, 5273.0, 5314.0, 5545.0, 5559.0, 5340.0, 5337.0, 5352.0, 5264.0, 5331.0, 5666.0, 5708.0, 5492.0, 5661.0, 5360.0, 5467.0, 5254.0, 5497.0, 5635.0, 5355.0, 5694.0, 5482.0, 5712.0, 5283.0, 5679.0, 5602.0, 5596.0, 5420.0, 5674.0, 5717.0, 5685.0, 5582.0, 5323.0, 5556.0, 5611.0, 5391.0, 5574.0, 5583.0, 5403.0, 5281.0, 5720.0, 5338.0, 5560.0, 5346.0, 5512.0, 5585.0, 5287.0, 5255.0, 5634.0, 5621.0, 5665.0, 5259.0, 5508.0, 5516.0, 5450.0, 5274.0, 5494.0, 5416.0, 5369.0, 5436.0, 5393.0, 5266.0, 5618.0, 5385.0, 5381.0, 5599.0, 5448.0, 5485.0, 5531.0, 5455.0, 5594.0, 5476.0, 5572.0, 5443.0, 5578.0 (number of hits: 11)
9	5270	9	1	333	1	5668.0, 5435.0, 5460.0, 5542.0, 5349.0, 5315.0, 5555.0, 5573.0, 5424.0, 5520.0, 5534.0, 5552.0, 5615.0, 5531.0, 5624.0, 5530.0, 5280.0, 5688.0, 5495.0, 5412.0, 5621.0, 5465.0, 5343.0, 5402.0, 5722.0, 5633.0, 5674.0, 5608.0, 5275.0, 5582.0,

						5546.0, 5386.0, 5313.0, 5406.0, 5580.0, 5410.0, 5355.0, 5346.0, 5270.0, 5538.0, 5675.0, 5695.0, 5504.0, 5514.0, 5459.0, 5719.0, 5561.0, 5327.0, 5340.0, 5385.0, 5453.0, 5341.0, 5393.0, 5263.0, 5448.0, 5522.0, 5559.0, 5606.0, 5653.0, 5454.0, 5321.0, 5590.0, 5710.0, 5491.0, 5661.0, 5690.0, 5380.0, 5620.0, 5365.0, 5575.0, 5593.0, 5723.0, 5372.0, 5694.0, 5295.0, 5657.0, 5283.0, 5430.0, 5568.0, 5699.0, 5373.0, 5487.0, 5306.0, 5467.0, 5397.0, 5390.0, 5287.0, 5300.0, 5650.0, 5628.0, 5673.0, 5639.0, 5470.0, 5512.0, 5290.0, 5324.0, 5493.0, 5623.0, 5405.0, 5350.0 (number of hits: 6)
10	5270	9	1	333	1	5380.0, 5646.0, 5587.0, 5617.0, 5285.0, 5565.0, 5616.0, 5436.0, 5438.0, 5382.0, 5466.0, 5563.0, 5662.0, 5432.0, 5269.0, 5615.0, 5557.0, 5704.0, 5469.0, 5328.0, 5645.0, 5365.0, 5679.0, 5300.0, 5572.0, 5443.0, 5541.0, 5643.0, 5525.0, 5648.0, 5548.0, 5578.0, 5673.0, 5418.0, 5462.0, 5642.0, 5721.0, 5332.0, 5577.0, 5529.0, 5364.0, 5610.0, 5496.0, 5687.0, 5276.0, 5473.0, 5261.0, 5688.0, 5346.0, 5376.0, 5550.0, 5356.0, 5277.0, 5713.0, 5257.0, 5632.0, 5634.0, 5270.0, 5474.0, 5363.0, 5266.0, 5627.0, 5319.0, 5321.0, 5385.0, 5477.0, 5282.0, 5427.0, 5313.0, 5330.0, 5709.0, 5411.0, 5651.0, 5716.0, 5614.0, 5564.0, 5609.0, 5582.0, 5653.0, 5414.0, 5422.0, 5271.0, 5381.0, 5309.0, 5560.0, 5519.0, 5254.0, 5663.0, 5567.0, 5492.0, 5402.0, 5618.0, 5256.0, 5450.0, 5394.0, 5585.0, 5520.0, 5314.0, 5303.0, 5689.0 (number of hits: 12)
11	5270	9	1	333	1	5343.0, 5277.0, 5298.0, 5641.0, 5433.0, 5659.0, 5662.0, 5385.0, 5299.0, 5304.0, 5487.0, 5585.0, 5402.0, 5459.0, 5444.0, 5562.0, 5690.0, 5672.0, 5612.0, 5583.0, 5295.0, 5544.0, 5557.0, 5450.0, 5624.0, 5677.0, 5549.0, 5368.0, 5563.0, 5280.0, 5297.0, 5701.0, 5622.0, 5638.0, 5497.0, 5420.0, 5406.0, 5568.0, 5521.0, 5473.0, 5660.0, 5371.0, 5591.0, 5534.0, 5663.0, 5610.0, 5509.0, 5650.0, 5495.0, 5546.0, 5636.0, 5552.0, 5255.0, 5472.0, 5596.0, 5644.0, 5501.0, 5254.0, 5290.0, 5614.0, 5305.0, 5507.0, 5282.0, 5556.0, 5682.0, 5623.0, 5389.0, 5703.0, 5595.0, 5322.0, 5535.0, 5607.0, 5330.0, 5547.0, 5435.0, 5566.0, 5617.0, 5271.0, 5309.0, 5378.0, 5369.0, 5503.0, 5458.0, 5327.0, 5419.0, 5621.0, 5356.0, 5446.0, 5333.0, 5427.0, 5388.0, 5291.0, 5292.0, 5306.0, 5618.0, 5390.0, 5512.0, 5697.0, 5312.0, 5457.0 (number of hits: 6)
12	5270	9	1	333	1	5635.0, 5656.0, 5436.0, 5477.0, 5561.0, 5679.0, 5371.0, 5673.0, 5406.0, 5443.0, 5331.0, 5615.0, 5403.0, 5546.0, 5572.0,

						5459.0, 5691.0, 5298.0, 5659.0, 5351.0, 5350.0, 5458.0, 5555.0, 5507.0, 5639.0, 5430.0, 5366.0, 5523.0, 5465.0, 5432.0, 5649.0, 5462.0, 5642.0, 5451.0, 5435.0, 5384.0, 5377.0, 5710.0, 5571.0, 5699.0, 5629.0, 5620.0, 5317.0, 5653.0, 5398.0, 5528.0, 5279.0, 5633.0, 5707.0, 5253.0, 5431.0, 5502.0, 5414.0, 5519.0, 5636.0, 5503.0, 5487.0, 5469.0, 5353.0, 5644.0, 5395.0, 5520.0, 5281.0, 5646.0, 5717.0, 5593.0, 5255.0, 5254.0, 5513.0, 5433.0, 5441.0, 5666.0, 5670.0, 5484.0, 5326.0, 5674.0, 5480.0, 5549.0, 5299.0, 5533.0, 5573.0, 5501.0, 5302.0, 5711.0, 5274.0, 5703.0, 5294.0, 5539.0, 5252.0, 5547.0, 5605.0, 5346.0, 5557.0, 5418.0, 5259.0, 5442.0, 5297.0, 5693.0, 5591.0, 5394.0 (number of hits: 8)
13	5270	9	1	333	1	5703.0, 5667.0, 5318.0, 5317.0, 5672.0, 5282.0, 5355.0, 5669.0, 5595.0, 5581.0, 5335.0, 5640.0, 5718.0, 5510.0, 5617.0, 5264.0, 5721.0, 5272.0, 5481.0, 5664.0, 5366.0, 5521.0, 5409.0, 5331.0, 5367.0, 5547.0, 5520.0, 5444.0, 5502.0, 5522.0, 5277.0, 5584.0, 5507.0, 5544.0, 5563.0, 5417.0, 5685.0, 5358.0, 5570.0, 5458.0, 5341.0, 5400.0, 5296.0, 5362.0, 5259.0, 5281.0, 5384.0, 5298.0, 5516.0, 5661.0, 5334.0, 5588.0, 5350.0, 5589.0, 5365.0, 5374.0, 5401.0, 5650.0, 5514.0, 5267.0, 5250.0, 5268.0, 5323.0, 5333.0, 5484.0, 5623.0, 5710.0, 5356.0, 5407.0, 5353.0, 5506.0, 5332.0, 5677.0, 5468.0, 5357.0, 5532.0, 5426.0, 5567.0, 5681.0, 5534.0, 5645.0, 5673.0, 5592.0, 5528.0, 5291.0, 5557.0, 5443.0, 5459.0, 5270.0, 5580.0, 5485.0, 5288.0, 5418.0, 5711.0, 5455.0, 5576.0, 5413.0, 5486.0, 5496.0, 5470.0 (number of hits: 11)
14	5270	9	1	333	1	5706.0, 5606.0, 5491.0, 5681.0, 5522.0, 5686.0, 5308.0, 5592.0, 5523.0, 5384.0, 5290.0, 5579.0, 5634.0, 5542.0, 5703.0, 5531.0, 5374.0, 5477.0, 5300.0, 5708.0, 5481.0, 5304.0, 5480.0, 5274.0, 5398.0, 5310.0, 5611.0, 5601.0, 5340.0, 5292.0, 5320.0, 5465.0, 5684.0, 5630.0, 5701.0, 5614.0, 5624.0, 5605.0, 5483.0, 5452.0, 5428.0, 5276.0, 5668.0, 5451.0, 5575.0, 5594.0, 5659.0, 5294.0, 5637.0, 5485.0, 5572.0, 5567.0, 5547.0, 5676.0, 5376.0, 5493.0, 5517.0, 5642.0, 5500.0, 5441.0, 5401.0, 5682.0, 5385.0, 5609.0, 5501.0, 5548.0, 5694.0, 5360.0, 5449.0, 5427.0, 5388.0, 5502.0, 5445.0, 5497.0, 5717.0, 5406.0, 5613.0, 5474.0, 5672.0, 5332.0, 5607.0, 5345.0, 5328.0, 5543.0, 5393.0, 5391.0, 5442.0, 5379.0, 5536.0, 5408.0, 5525.0, 5435.0, 5257.0, 5462.0, 5675.0, 5651.0, 5670.0, 5317.0, 5711.0, 5367.0 (number of hits: 3)

15	5270	9	1	333	1	5344.0, 5264.0, 5507.0, 5433.0, 5519.0, 5279.0, 5644.0, 5402.0, 5283.0, 5340.0, 5631.0, 5582.0, 5577.0, 5282.0, 5545.0, 5494.0, 5405.0, 5392.0, 5541.0, 5712.0, 5307.0, 5472.0, 5432.0, 5466.0, 5397.0, 5614.0, 5375.0, 5701.0, 5398.0, 5502.0, 5636.0, 5693.0, 5702.0, 5588.0, 5451.0, 5612.0, 5298.0, 5633.0, 5499.0, 5316.0, 5594.0, 5489.0, 5532.0, 5716.0, 5476.0, 5686.0, 5690.0, 5267.0, 5384.0, 5501.0, 5257.0, 5717.0, 5363.0, 5440.0, 5373.0, 5455.0, 5478.0, 5258.0, 5263.0, 5379.0, 5404.0, 5675.0, 5697.0, 5652.0, 5705.0, 5509.0, 5592.0, 5325.0, 5660.0, 5464.0, 5663.0, 5503.0, 5598.0, 5329.0, 5406.0, 5380.0, 5482.0, 5302.0, 5665.0, 5723.0, 5394.0, 5417.0, 5645.0, 5673.0, 5531.0, 5517.0, 5490.0, 5486.0, 5696.0, 5357.0, 5522.0, 5435.0, 5387.0, 5487.0, 5515.0, 5288.0, 5403.0, 5337.0, 5469.0, 5710.0 (number of hits: 9)
16	5270	9	1	333	1	5505.0, 5500.0, 5284.0, 5545.0, 5503.0, 5570.0, 5400.0, 5349.0, 5326.0, 5393.0, 5335.0, 5575.0, 5454.0, 5371.0, 5675.0, 5356.0, 5344.0, 5283.0, 5299.0, 5406.0, 5516.0, 5681.0, 5559.0, 5662.0, 5265.0, 5581.0, 5715.0, 5304.0, 5713.0, 5524.0, 5721.0, 5583.0, 5324.0, 5507.0, 5546.0, 5478.0, 5587.0, 5718.0, 5254.0, 5342.0, 5385.0, 5399.0, 5359.0, 5307.0, 5442.0, 5414.0, 5544.0, 5251.0, 5390.0, 5616.0, 5597.0, 5489.0, 5504.0, 5606.0, 5550.0, 5420.0, 5637.0, 5378.0, 5578.0, 5333.0, 5543.0, 5257.0, 5380.0, 5368.0, 5391.0, 5474.0, 5289.0, 5341.0, 5611.0, 5664.0, 5388.0, 5438.0, 5472.0, 5508.0, 5258.0, 5263.0, 5419.0, 5626.0, 5405.0, 5471.0, 5266.0, 5259.0, 5521.0, 5303.0, 5519.0, 5586.0, 5513.0, 5422.0, 5522.0, 5547.0, 5479.0, 5396.0, 5622.0, 5615.0, 5291.0, 5416.0, 5466.0, 5285.0, 5644.0, 5296.0 (number of hits: 12)
17	5270	9	1	333	1	5289.0, 5362.0, 5686.0, 5552.0, 5491.0, 5335.0, 5354.0, 5314.0, 5382.0, 5260.0, 5341.0, 5347.0, 5615.0, 5628.0, 5456.0, 5254.0, 5588.0, 5513.0, 5688.0, 5393.0, 5451.0, 5618.0, 5372.0, 5450.0, 5599.0, 5350.0, 5695.0, 5420.0, 5299.0, 5294.0, 5641.0, 5512.0, 5258.0, 5312.0, 5264.0, 5468.0, 5650.0, 5453.0, 5370.0, 5316.0, 5280.0, 5488.0, 5386.0, 5342.0, 5438.0, 5612.0, 5417.0, 5446.0, 5308.0, 5608.0, 5632.0, 5457.0, 5336.0, 5324.0, 5345.0, 5668.0, 5311.0, 5635.0, 5343.0, 5483.0, 5321.0, 5518.0, 5555.0, 5452.0, 5544.0, 5613.0, 5315.0, 5652.0, 5567.0, 5256.0, 5624.0, 5255.0, 5463.0, 5510.0, 5489.0, 5466.0, 5577.0, 5293.0, 5571.0, 5572.0, 5492.0, 5458.0, 5261.0, 5482.0, 5484.0, 5471.0, 5674.0, 5657.0, 5538.0, 5334.0,

						5274.0, 5437.0, 5305.0, 5721.0, 5388.0, 5318.0, 5431.0, 5269.0, 5326.0, 5685.0 (number of hits: 11)
18	5270	9	1	333	1	5650.0, 5268.0, 5258.0, 5598.0, 5447.0, 5436.0, 5638.0, 5569.0, 5696.0, 5565.0, 5263.0, 5619.0, 5584.0, 5480.0, 5462.0, 5393.0, 5382.0, 5426.0, 5641.0, 5606.0, 5476.0, 5703.0, 5412.0, 5444.0, 5319.0, 5537.0, 5571.0, 5591.0, 5394.0, 5470.0, 5612.0, 5534.0, 5532.0, 5692.0, 5348.0, 5542.0, 5585.0, 5334.0, 5301.0, 5287.0, 5639.0, 5475.0, 5356.0, 5495.0, 5713.0, 5290.0, 5695.0, 5346.0, 5547.0, 5355.0, 5560.0, 5539.0, 5377.0, 5464.0, 5550.0, 5284.0, 5575.0, 5325.0, 5465.0, 5292.0, 5644.0, 5452.0, 5491.0, 5623.0, 5474.0, 5468.0, 5507.0, 5401.0, 5352.0, 5397.0, 5386.0, 5307.0, 5531.0, 5341.0, 5514.0, 5359.0, 5400.0, 5322.0, 5618.0, 5309.0, 5288.0, 5656.0, 5662.0, 5343.0, 5723.0, 5558.0, 5327.0, 5432.0, 5602.0, 5682.0, 5704.0, 5592.0, 5434.0, 5640.0, 5429.0, 5313.0, 5688.0, 5437.0, 5421.0, 5510.0 (number of hits: 6)
19	5270	9	1	333	1	5253.0, 5715.0, 5607.0, 5670.0, 5716.0, 5484.0, 5280.0, 5698.0, 5507.0, 5527.0, 5642.0, 5634.0, 5602.0, 5572.0, 5512.0, 5692.0, 5551.0, 5315.0, 5276.0, 5568.0, 5441.0, 5608.0, 5633.0, 5300.0, 5712.0, 5501.0, 5288.0, 5343.0, 5696.0, 5517.0, 5419.0, 5652.0, 5631.0, 5469.0, 5724.0, 5539.0, 5486.0, 5471.0, 5262.0, 5337.0, 5364.0, 5581.0, 5656.0, 5313.0, 5410.0, 5490.0, 5629.0, 5463.0, 5464.0, 5655.0, 5624.0, 5611.0, 5391.0, 5472.0, 5461.0, 5413.0, 5700.0, 5475.0, 5480.0, 5418.0, 5264.0, 5289.0, 5557.0, 5381.0, 5307.0, 5268.0, 5676.0, 5263.0, 5322.0, 5582.0, 5457.0, 5533.0, 5579.0, 5678.0, 5324.0, 5663.0, 5326.0, 5606.0, 5587.0, 5609.0, 5477.0, 5270.0, 5714.0, 5673.0, 5580.0, 5552.0, 5713.0, 5560.0, 5385.0, 5542.0, 5389.0, 5650.0, 5255.0, 5538.0, 5357.0, 5277.0, 5674.0, 5372.0, 5719.0, 5481.0 (number of hits: 12)
20	5270	9	1	333	1	5355.0, 5360.0, 5404.0, 5693.0, 5599.0, 5334.0, 5533.0, 5631.0, 5579.0, 5401.0, 5547.0, 5541.0, 5699.0, 5351.0, 5448.0, 5327.0, 5421.0, 5707.0, 5278.0, 5514.0, 5626.0, 5719.0, 5720.0, 5494.0, 5367.0, 5500.0, 5595.0, 5646.0, 5578.0, 5346.0, 5457.0, 5687.0, 5538.0, 5338.0, 5408.0, 5300.0, 5395.0, 5436.0, 5709.0, 5614.0, 5669.0, 5702.0, 5456.0, 5648.0, 5711.0, 5467.0, 5410.0, 5667.0, 5542.0, 5396.0, 5586.0, 5261.0, 5539.0, 5343.0, 5402.0, 5679.0, 5659.0, 5700.0, 5430.0, 5587.0, 5570.0, 5299.0, 5517.0, 5677.0, 5288.0, 5563.0, 5352.0, 5298.0, 5311.0, 5303.0, 5349.0, 5532.0, 5607.0, 5325.0, 5446.0,

						5258.0, 5511.0, 5382.0, 5285.0, 5531.0, 5379.0, 5580.0, 5491.0, 5405.0, 5463.0, 5250.0, 5696.0, 5432.0, 5488.0, 5306.0, 5431.0, 5483.0, 5617.0, 5524.0, 5701.0, 5302.0, 5716.0, 5603.0, 5490.0, 5266.0 (number of hits: 7)
21	5270	9	1	333	1	5300.0, 5658.0, 5347.0, 5433.0, 5657.0, 5255.0, 5481.0, 5474.0, 5444.0, 5505.0, 5634.0, 5645.0, 5397.0, 5440.0, 5480.0, 5423.0, 5387.0, 5465.0, 5404.0, 5414.0, 5258.0, 5523.0, 5410.0, 5594.0, 5386.0, 5282.0, 5369.0, 5683.0, 5660.0, 5330.0, 5566.0, 5583.0, 5713.0, 5325.0, 5627.0, 5395.0, 5284.0, 5710.0, 5664.0, 5437.0, 5317.0, 5488.0, 5709.0, 5412.0, 5467.0, 5491.0, 5385.0, 5711.0, 5655.0, 5479.0, 5318.0, 5687.0, 5502.0, 5463.0, 5453.0, 5584.0, 5435.0, 5470.0, 5484.0, 5649.0, 5705.0, 5712.0, 5615.0, 5301.0, 5445.0, 5630.0, 5295.0, 5456.0, 5538.0, 5553.0, 5281.0, 5383.0, 5459.0, 5616.0, 5487.0, 5560.0, 5698.0, 5661.0, 5361.0, 5532.0, 5673.0, 5297.0, 5328.0, 5577.0, 5411.0, 5357.0, 5471.0, 5628.0, 5498.0, 5562.0, 5384.0, 5557.0, 5344.0, 5579.0, 5477.0, 5701.0, 5696.0, 5468.0, 5680.0, 5310.0 (number of hits: 5)
22	5270	9	1	333	1	5319.0, 5408.0, 5399.0, 5719.0, 5457.0, 5568.0, 5541.0, 5676.0, 5559.0, 5470.0, 5449.0, 5327.0, 5571.0, 5435.0, 5463.0, 5416.0, 5315.0, 5514.0, 5538.0, 5387.0, 5328.0, 5405.0, 5565.0, 5283.0, 5475.0, 5686.0, 5361.0, 5420.0, 5458.0, 5654.0, 5579.0, 5643.0, 5498.0, 5675.0, 5378.0, 5519.0, 5706.0, 5625.0, 5323.0, 5434.0, 5683.0, 5294.0, 5414.0, 5604.0, 5556.0, 5309.0, 5284.0, 5590.0, 5388.0, 5515.0, 5512.0, 5536.0, 5384.0, 5459.0, 5540.0, 5385.0, 5637.0, 5357.0, 5312.0, 5626.0, 5699.0, 5570.0, 5491.0, 5338.0, 5316.0, 5650.0, 5690.0, 5256.0, 5587.0, 5636.0, 5714.0, 5313.0, 5653.0, 5697.0, 5594.0, 5549.0, 5573.0, 5546.0, 5501.0, 5657.0, 5584.0, 5377.0, 5262.0, 5318.0, 5563.0, 5656.0, 5537.0, 5511.0, 5296.0, 5255.0, 5333.0, 5455.0, 5426.0, 5577.0, 5532.0, 5700.0, 5386.0, 5290.0, 5340.0, 5575.0 (number of hits: 5)
23	5270	9	1	333	1	5703.0, 5335.0, 5535.0, 5354.0, 5594.0, 5682.0, 5550.0, 5642.0, 5598.0, 5404.0, 5539.0, 5699.0, 5722.0, 5685.0, 5368.0, 5498.0, 5327.0, 5287.0, 5365.0, 5286.0, 5691.0, 5486.0, 5343.0, 5538.0, 5640.0, 5523.0, 5664.0, 5490.0, 5473.0, 5306.0, 5643.0, 5588.0, 5577.0, 5658.0, 5573.0, 5499.0, 5590.0, 5452.0, 5481.0, 5418.0, 5438.0, 5494.0, 5317.0, 5650.0, 5540.0, 5312.0, 5641.0, 5254.0, 5607.0, 5382.0, 5690.0, 5625.0, 5694.0, 5554.0, 5565.0, 5628.0, 5472.0, 5646.0, 5388.0, 5527.0,

						5688.0, 5600.0, 5465.0, 5414.0, 5669.0, 5291.0, 5377.0, 5495.0, 5309.0, 5279.0, 5341.0, 5589.0, 5511.0, 5427.0, 5402.0, 5503.0, 5270.0, 5606.0, 5609.0, 5408.0, 5574.0, 5597.0, 5411.0, 5357.0, 5435.0, 5323.0, 5680.0, 5693.0, 5591.0, 5406.0, 5336.0, 5353.0, 5559.0, 5702.0, 5361.0, 5712.0, 5328.0, 5320.0, 5462.0, 5587.0 (number of hits: 5)
24	5270	9	1	333	1	5401.0, 5407.0, 5473.0, 5583.0, 5513.0, 5334.0, 5557.0, 5665.0, 5681.0, 5439.0, 5498.0, 5411.0, 5317.0, 5460.0, 5286.0, 5635.0, 5622.0, 5448.0, 5395.0, 5450.0, 5383.0, 5301.0, 5616.0, 5691.0, 5659.0, 5394.0, 5339.0, 5608.0, 5413.0, 5612.0, 5700.0, 5425.0, 5316.0, 5600.0, 5634.0, 5585.0, 5290.0, 5348.0, 5487.0, 5282.0, 5524.0, 5636.0, 5723.0, 5271.0, 5465.0, 5454.0, 5456.0, 5696.0, 5661.0, 5410.0, 5323.0, 5576.0, 5500.0, 5571.0, 5322.0, 5714.0, 5251.0, 5586.0, 5405.0, 5477.0, 5599.0, 5319.0, 5610.0, 5344.0, 5644.0, 5336.0, 5400.0, 5629.0, 5443.0, 5549.0, 5293.0, 5288.0, 5628.0, 5481.0, 5451.0, 5719.0, 5519.0, 5594.0, 5611.0, 5320.0, 5459.0, 5397.0, 5444.0, 5601.0, 5515.0, 5720.0, 5484.0, 5353.0, 5699.0, 5605.0, 5329.0, 5436.0, 5381.0, 5332.0, 5529.0, 5358.0, 5508.0, 5528.0, 5291.0, 5633.0 (number of hits: 5)
25	5270	9	1	333	1	5537.0, 5411.0, 5597.0, 5664.0, 5524.0, 5559.0, 5483.0, 5294.0, 5429.0, 5504.0, 5687.0, 5577.0, 5428.0, 5343.0, 5491.0, 5393.0, 5529.0, 5328.0, 5404.0, 5338.0, 5262.0, 5684.0, 5713.0, 5711.0, 5319.0, 5398.0, 5313.0, 5410.0, 5638.0, 5661.0, 5427.0, 5357.0, 5261.0, 5452.0, 5259.0, 5590.0, 5386.0, 5275.0, 5258.0, 5487.0, 5502.0, 5352.0, 5372.0, 5609.0, 5436.0, 5567.0, 5511.0, 5320.0, 5284.0, 5580.0, 5719.0, 5346.0, 5475.0, 5666.0, 5457.0, 5327.0, 5417.0, 5521.0, 5435.0, 5544.0, 5679.0, 5520.0, 5531.0, 5558.0, 5658.0, 5671.0, 5555.0, 5576.0, 5271.0, 5516.0, 5355.0, 5715.0, 5298.0, 5431.0, 5702.0, 5348.0, 5439.0, 5252.0, 5300.0, 5519.0, 5616.0, 5339.0, 5721.0, 5673.0, 5462.0, 5534.0, 5356.0, 5572.0, 5619.0, 5440.0, 5712.0, 5309.0, 5589.0, 5279.0, 5610.0, 5331.0, 5293.0, 5299.0, 5469.0, 5443.0 (number of hits: 9)
26	5270	9	1	333	1	5487.0, 5643.0, 5697.0, 5579.0, 5677.0, 5450.0, 5636.0, 5679.0, 5418.0, 5388.0, 5354.0, 5326.0, 5257.0, 5335.0, 5358.0, 5665.0, 5298.0, 5628.0, 5453.0, 5309.0, 5523.0, 5617.0, 5558.0, 5701.0, 5274.0, 5571.0, 5386.0, 5458.0, 5331.0, 5555.0, 5260.0, 5645.0, 5431.0, 5658.0, 5315.0, 5547.0, 5724.0, 5600.0, 5504.0, 5588.0, 5399.0, 5392.0, 5604.0, 5514.0, 5608.0,

						5707.0, 5346.0, 5704.0, 5389.0, 5371.0, 5564.0, 5454.0, 5580.0, 5337.0, 5521.0, 5267.0, 5719.0, 5492.0, 5423.0, 5694.0, 5517.0, 5456.0, 5573.0, 5374.0, 5259.0, 5596.0, 5522.0, 5271.0, 5667.0, 5306.0, 5534.0, 5605.0, 5508.0, 5696.0, 5395.0, 5664.0, 5629.0, 5678.0, 5556.0, 5705.0, 5469.0, 5369.0, 5417.0, 5446.0, 5328.0, 5262.0, 5548.0, 5470.0, 5622.0, 5343.0, 5687.0, 5557.0, 5448.0, 5401.0, 5529.0, 5621.0, 5437.0, 5273.0, 5551.0, 5373.0 (number of hits: 8)
27	5270	9	1	333	1	5394.0, 5539.0, 5498.0, 5560.0, 5308.0, 5468.0, 5544.0, 5457.0, 5351.0, 5683.0, 5533.0, 5363.0, 5413.0, 5303.0, 5382.0, 5615.0, 5612.0, 5341.0, 5575.0, 5419.0, 5672.0, 5699.0, 5381.0, 5611.0, 5670.0, 5338.0, 5365.0, 5723.0, 5496.0, 5681.0, 5490.0, 5536.0, 5655.0, 5355.0, 5576.0, 5401.0, 5393.0, 5451.0, 5706.0, 5648.0, 5458.0, 5285.0, 5391.0, 5605.0, 5680.0, 5678.0, 5302.0, 5686.0, 5701.0, 5501.0, 5721.0, 5456.0, 5558.0, 5673.0, 5389.0, 5259.0, 5434.0, 5346.0, 5538.0, 5316.0, 5532.0, 5724.0, 5594.0, 5310.0, 5557.0, 5679.0, 5280.0, 5403.0, 5349.0, 5250.0, 5551.0, 5406.0, 5337.0, 5488.0, 5277.0, 5292.0, 5641.0, 5585.0, 5545.0, 5631.0, 5435.0, 5375.0, 5709.0, 5399.0, 5646.0, 5600.0, 5495.0, 5275.0, 5427.0, 5603.0, 5535.0, 5523.0, 5405.0, 5583.0, 5651.0, 5291.0, 5276.0, 5705.0, 5278.0, 5358.0 (number of hits: 8)
28	5270	9	1	333	1	5677.0, 5553.0, 5640.0, 5632.0, 5604.0, 5621.0, 5492.0, 5494.0, 5697.0, 5397.0, 5667.0, 5489.0, 5336.0, 5283.0, 5499.0, 5682.0, 5311.0, 5626.0, 5351.0, 5417.0, 5446.0, 5657.0, 5338.0, 5525.0, 5558.0, 5442.0, 5391.0, 5424.0, 5281.0, 5550.0, 5342.0, 5656.0, 5252.0, 5438.0, 5360.0, 5314.0, 5485.0, 5425.0, 5381.0, 5577.0, 5257.0, 5684.0, 5549.0, 5521.0, 5298.0, 5518.0, 5658.0, 5478.0, 5300.0, 5661.0, 5389.0, 5655.0, 5324.0, 5693.0, 5279.0, 5540.0, 5410.0, 5288.0, 5455.0, 5330.0, 5460.0, 5428.0, 5643.0, 5616.0, 5369.0, 5477.0, 5551.0, 5646.0, 5396.0, 5703.0, 5331.0, 5437.0, 5474.0, 5511.0, 5567.0, 5507.0, 5575.0, 5270.0, 5394.0, 5347.0, 5255.0, 5674.0, 5436.0, 5452.0, 5668.0, 5456.0, 5686.0, 5515.0, 5450.0, 5277.0, 5470.0, 5316.0, 5269.0, 5461.0, 5571.0, 5431.0, 5611.0, 5358.0, 5599.0, 5487.0 (number of hits: 10)
29	5270	9	1	333	1	5678.0, 5339.0, 5402.0, 5701.0, 5617.0, 5710.0, 5657.0, 5600.0, 5315.0, 5486.0, 5407.0, 5287.0, 5268.0, 5521.0, 5527.0, 5605.0, 5526.0, 5330.0, 5429.0, 5260.0, 5436.0, 5480.0, 5698.0, 5724.0, 5661.0, 5390.0, 5269.0, 5463.0, 5680.0, 5563.0,

						5466.0, 5362.0, 5534.0, 5447.0, 5292.0, 5602.0, 5358.0, 5459.0, 5584.0, 5498.0, 5397.0, 5597.0, 5369.0, 5420.0, 5523.0, 5272.0, 5336.0, 5671.0, 5564.0, 5653.0, 5332.0, 5722.0, 5675.0, 5414.0, 5555.0, 5519.0, 5454.0, 5346.0, 5281.0, 5403.0, 5252.0, 5546.0, 5253.0, 5570.0, 5492.0, 5625.0, 5376.0, 5506.0, 5320.0, 5494.0, 5592.0, 5536.0, 5457.0, 5566.0, 5601.0, 5639.0, 5404.0, 5280.0, 5438.0, 5312.0, 5310.0, 5633.0, 5581.0, 5603.0, 5541.0, 5282.0, 5642.0, 5400.0, 5700.0, 5542.0, 5413.0, 5596.0, 5364.0, 5650.0, 5258.0, 5616.0, 5329.0, 5394.0, 5709.0, 5363.0 (number of hits: 11)
30	5270	9	1	333	1	5502.0, 5681.0, 5629.0, 5435.0, 5408.0, 5622.0, 5667.0, 5391.0, 5546.0, 5595.0, 5528.0, 5668.0, 5475.0, 5422.0, 5679.0, 5506.0, 5471.0, 5374.0, 5478.0, 5535.0, 5562.0, 5488.0, 5269.0, 5487.0, 5304.0, 5257.0, 5306.0, 5580.0, 5522.0, 5545.0, 5407.0, 5523.0, 5384.0, 5599.0, 5639.0, 5254.0, 5393.0, 5717.0, 5653.0, 5631.0, 5258.0, 5262.0, 5268.0, 5713.0, 5328.0, 5470.0, 5335.0, 5623.0, 5642.0, 5601.0, 5459.0, 5692.0, 5399.0, 5360.0, 5485.0, 5401.0, 5281.0, 5635.0, 5324.0, 5625.0, 5701.0, 5654.0, 5417.0, 5359.0, 5396.0, 5347.0, 5483.0, 5383.0, 5587.0, 5614.0, 5425.0, 5539.0, 5669.0, 5634.0, 5472.0, 5492.0, 5657.0, 5333.0, 5404.0, 5497.0, 5373.0, 5533.0, 5397.0, 5274.0, 5670.0, 5348.0, 5468.0, 5543.0, 5326.0, 5516.0, 5526.0, 5322.0, 5649.0, 5323.0, 5513.0, 5411.0, 5500.0, 5712.0, 5255.0, 5406.0 (number of hits: 9)

5550 MHz, 40 MHz Bandwidth

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

Please refer to the following statistical tables:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5550	67	1	798	1
2	5550	83	1	638	1
3	5550	81	1	658	1
4	5550	61	1	878	1
5	5550	76	1	698	1
6	5550	92	1	578	1
7	5550	65	1	818	1
8	5550	68	1	778	1
9	5550	95	1	558	1
10	5550	78	1	678	1
11	5550	72	1	738	1
12	5550	63	1	838	1
13	5550	58	1	918	1
14	5550	18	1	3066	1
15	5550	102	1	518	1
16	5550	33	1	1604	1
17	5550	20	1	2727	1
18	5550	40	1	1333	1
19	5550	25	1	2154	1
20	5550	38	1	1414	1
21	5550	18	1	2962	1
22	5550	23	1	2330	1
23	5550	43	1	1234	1
24	5550	27	1	1993	1
25	5550	35	1	1529	1
26	5550	37	1	1449	1
27	5550	21	1	2560	1
28	5550	21	1	2540	1
29	5550	18	1	3023	1
30	5550	30	1	1777	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5550	23	1	160	1
2	5550	23	1.4	216	1
3	5550	23	4.3	180	1
4	5550	28	3	229	1
5	5550	25	1	150	1
6	5550	26	4.7	173	1
7	5550	28	4.3	222	1
8	5550	27	1.3	220	1
9	5550	25	3.2	210	1
10	5550	28	3.7	171	1
11	5550	23	4.1	203	1
12	5550	29	2.6	198	1
13	5550	27	3.4	227	1
14	5550	23	1	207	1
15	5550	27	2.1	187	1
16	5550	23	2.5	164	1
17	5550	26	2.9	202	1
18	5550	28	1	207	1
19	5550	23	1.1	209	1
20	5550	27	4.2	222	1
21	5550	23	3.9	202	1
22	5550	25	4.7	210	1
23	5550	25	2.7	208	1
24	5550	27	4.7	200	1
25	5550	28	4.1	150	1
26	5550	26	4.7	185	1
27	5550	26	4.1	225	1
28	5550	28	2.3	225	1
29	5550	25	4.4	160	1
30	5550	29	4.6	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	5550	16	9.4	475	1
2	5550	18	8	499	1
3	5550	16	7.4	390	1
4	5550	16	9.2	274	1
5	5550	18	9.1	349	1
6	5550	18	9.7	270	1
7	5550	16	8.6	434	1
8	5550	17	7.9	368	1
9	5550	18	7.9	377	1
10	5550	17	8.8	271	1
11	5550	16	9.9	464	1
12	5550	18	8.8	482	1
13	5550	16	9.1	241	1
14	5550	18	8.8	446	1
15	5550	18	8.2	228	1
16	5550	17	8.7	229	1
17	5550	18	9.8	348	1
18	5550	17	6	442	1
19	5550	16	8.4	267	1
20	5550	16	8.5	402	1
21	5550	16	8.4	373	1
22	5550	18	9.9	389	1
23	5550	16	7.6	325	1
24	5550	16	7.8	421	1
25	5550	16	7	249	1
26	5550	16	7.3	353	1
27	5550	17	9.5	432	1
28	5550	17	6.6	331	1
29	5550	17	9.5	340	1
30	5550	17	9	424	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5550	16	16.4	392	1
2	5550	15	14.8	318	1
3	5550	14	13.3	291	1
4	5550	14	13	336	1
5	5550	15	12.5	410	1
6	5550	12	19.7	301	1
7	5550	13	16.9	304	1
8	5550	15	13.8	233	1
9	5550	16	11.7	297	1
10	5550	14	17.2	352	1
11	5550	15	19.3	332	1
12	5550	16	20	433	1
13	5550	14	14.2	362	1
14	5550	13	14.8	236	1
15	5550	15	15.3	208	1
16	5550	16	14.3	432	1
17	5550	13	17.2	404	1
18	5550	15	11.4	281	1
19	5550	12	13.6	259	1
20	5550	14	15.2	276	1
21	5550	16	16.5	428	1
22	5550	16	12.6	408	1
23	5550	14	15	394	1
24	5550	12	14.5	458	1
25	5550	15	20	257	1
26	5550	12	12.6	333	1
27	5550	14	11.3	263	1
28	5550	14	19.7	438	1
29	5550	15	13.3	398	1
30	5550	13	14.3	373	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5546MHz

Trial #	Pulse	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	92.3			0.685755	1
1	2	6	71.8	1160		0.986514	
2	2	14	71.1	1680		1.603222	
3	1	20	57.6			3.191685	
4	2	11	80.9	1719		3.980364	
5	1	16	51			4.711456	
6	3	17	56.5	1489	1690	4.98699	
7	2	14	94.9	1581		6.064999	
8	3	10	74	1665	1868	6.803257	
9	1	19	56.6			7.835275	
10	3	6	71.3	1975	1740	8.322316	
11	1	10	85			9.387123	
12	1	11	91.2			9.831931	
13	1	12	59.8			10.818667	
14	2	18	91.4	1330		11.576398	

Bin5 Statistics 2

CF=5550MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	54.1	1439		0.237626	1
1	1	13	96.5			0.843316	
2	3	17	76.1	1322	1525	1.840822	
3	2	19	93.7	1346		2.188125	
4	2	8	60.8	1590		3.295281	
5	2	10	74.5	1264		3.616527	
6	2	10	63.2	1881		4.566848	
7	1	10	95.6			4.705891	
8	2	5	93	1970		5.593245	
9	3	13	95.1	1157	1466	6.271288	
10	3	8	87.6	1565	1077	7.145161	
11	2	14	63.9	1631		7.685796	
12	2	7	55.9	1216		8.151607	
13	3	15	98.8	1134	1661	8.973486	
14	2	9	57.7	1454		9.630107	
15	1	15	97.5			10.397425	
16	1	15	85			10.86243	
17	2	8	86.6	1202		11.712047	

Bin5 Statistics 3

CF=5559MHz

Trial #	Pulse	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	85.2			0.792711	1
1	3	13	79.5	1106	1064	1.410875	
2	2	8	99.3	1117		2.551725	
3	1	8	89.8			3.291747	
4	3	19	83.9	1210	1257	3.589799	
5	1	11	66			4.672219	
6	3	10	77.5	1648	1581	5.573174	
7	2	20	77.4	1748		6.354831	
8	3	7	77.5	1811	1837	7.408059	
9	3	20	68.1	1991	1153	7.805973	
10	1	12	66.3			9.002866	
11	3	10	59.2	1777	1756	9.682487	
12	3	9	57.4	1444	1509	10.908227	
13	3	10	50.4	1363	1064	11.801411	

Bin5 Statistics 4

CF=5556MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	52.5	1677	1536	0.265762	1
1	1	10	59.6			1.31857	
2	3	14	54.3	1638	1633	1.684105	
3	3	12	61.1	1626	1329	2.576416	
4	2	14	74.4	1961		3.137611	
5	3	7	90	1511	1538	3.86972	
6	3	18	92.9	1411	1536	4.085089	
7	1	11	51.7			4.769256	
8	2	18	90.4	1758		5.887368	
9	2	9	68.2	1358		6.342045	
10	1	8	52.4			6.794952	
11	2	8	51.9	1719		7.554561	
12	2	18	80.3	1901		8.349649	
13	2	10	53.8	1191		8.971837	
14	2	20	91.4	1171		9.525094	
15	2	7	77.6	1296		10.249098	
16	1	17	78.2			11.211833	
17	2	7	84.1	1027		11.896473	

Bin5 Statistics 5

CF=5546MHz

Trial #	Pulse	Chirp (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	55.7	1339		0.330511	1
1	1	8	83.3			0.975312	
2	2	11	78.9	1620		2.476622	
3	2	12	63.8	1927		2.870723	
4	2	16	59.1	1480		4.192593	
5	2	16	92.2	1512		5.02529	
6	3	18	71.6	1431	1873	5.809919	
7	3	18	86.7	1533	1657	6.618951	
8	2	12	68.7	1737		7.795761	
9	3	20	94.7	1460	1866	8.717043	
10	1	19	58.5			9.344642	
11	2	9	54.7	1681		10.713122	
12	2	6	72.8	1992		11.789421	

Bin5 Statistics 6

CF=5546MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	90.2	1945	1235	0.489854	1
1	1	10	63.6			1.034671	
2	1	18	64.5			2.610489	
3	2	6	93.4	1874		3.180008	
4	1	10	77.9			4.965763	
5	2	16	78.3	1683		5.731212	
6	1	11	79.4			6.601343	
7	1	7	99.8			7.454203	
8	2	7	74.4	1008		8.914911	
9	3	19	78.7	1760	1904	9.421858	
10	1	14	67.4			10.953171	
11	2	11	53.9	1971		11.26635	

Bin5 Statistics 7

CF=5535MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	57.9	1508	1311	0.702767	1
1	2	14	61.6	1360		1.308915	
2	1	18	67.2			1.693089	
3	2	15	74	1703		2.783613	
4	2	17	69.1	1717		3.938294	
5	1	5	94.2			4.293837	
6	2	18	73.4	1347		5.501127	
7	2	17	63.4	1229		5.861281	
8	3	15	94.7	1357	1240	7.184822	
9	2	13	70.8	1112		7.815663	
10	2	9	64	1289		8.108273	
11	2	6	59.9	1202		9.150774	
12	2	13	91.6	1783		10.292551	
13	2	8	88.6	1393		11.150522	
14	2	20	83.9	1238		11.965326	

Bin5 Statistics 8

CF=5558MHz

Trial #	Pulse	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	87.2			0.567898	1
1	1	9	88.2			2.485311	
2	1	7	65.3			3.797422	
3	1	14	71.4			4.947878	
4	3	8	65.7	1464	1656	5.5671	
5	3	12	63.8	1064	1557	7.566558	
6	3	14	53.3	1438	1027	9.283474	
7	3	9	97.8	1269	1653	9.883115	
8	1	15	56.3			11.51101	

Bin5 Statistics 9

CF=5561MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	60.3	1489		0.212589	1
1	2	13	86.3	1228		1.730262	
2	1	14	93.3			2.755545	
3	1	14	51.8			2.974242	
4	3	18	83.3	1468	1541	4.197086	
5	2	13	98.3	1848		5.470542	
6	2	18	71.3	1488		6.276002	
7	2	17	81.8	1076		7.028298	
8	2	19	92.6	1595		8.052192	
9	1	14	58.8			8.965019	
10	2	8	76	1626		9.913745	
11	2	10	78.6	1725		10.636674	
12	3	7	80.9	1438	1500	11.239344	

Bin5 Statistics 10

CF=5532MHz

Trial #	Pulse	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	96.5	1986	1637	0.425139	1
1	1	19	80.4			0.943567	
2	2	14	86.1	1755		2.20404	
3	2	17	98	1866		2.787705	
4	3	19	76	1878	1585	3.722537	
5	3	5	70.2	1801	1173	4.442094	
6	1	12	52.7			5.163877	
7	2	15	78.4	1086		6.29703	
8	2	16	60.6	1103		7.411573	
9	2	12	94.7	1909		8.537178	
10	1	11	79			8.681683	
11	1	17	72.7			9.526942	
12	2	7	74.3	1754		10.587803	
13	3	15	61.8	1722	1285	11.83907	

Bin5 Statistics 11

CF=5531MHz

Trial #	Pulse	Chirp (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	68.4	1924		0.294958	1
1	1	10	73			1.911803	
2	2	19	62.7	1156		3.616431	
3	2	17	80.3	1222		4.236561	
4	2	16	59.7	1548		5.438794	
5	3	15	51.9	1191	1839	7.393071	
6	2	20	84.2	1434		9.052909	
7	1	16	80.9			10.529977	
8	2	8	78	1339		10.970865	

Bin5 Statistics 12

CF=5560MHz

Trial #	Pulse	Chirp (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	78.3	1797		0.064804	1
1	1	17	78.4			0.966805	
2	2	18	72.2	1611		1.933882	
3	3	14	86.9	1734	1523	2.10044	
4	2	17	86.6	1380		2.786031	
5	1	7	83.6			3.610859	
6	2	9	92.2	1684		4.051723	
7	1	7	62			4.692393	
8	3	10	68.3	1626	1058	5.687861	
9	2	17	75	1138		6.145654	
10	1	9	66			6.933122	
11	2	7	85.9	1109		7.416792	
12	2	5	90.7	1289		8.191756	
13	1	7	55.4			9.317229	
14	3	9	65	1343	1021	9.540287	
15	1	9	89.4			10.578088	
16	2	14	69.5	1630		11.051335	
17	2	8	53.4	1046		11.923285	

Bin5 Statistics 13

CF=5554MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	61.6	1066	1515	0.234611	1
1	3	20	59.5	1684	1484	1.640802	
2	2	8	82.3	1889		2.050336	
3	2	6	70.8	1698		3.536748	
4	2	9	73	1328		4.362292	
5	3	18	62.3	1853	1539	5.399254	
6	3	8	73.2	1821	1103	6.463494	
7	2	12	95.3	1890		7.028943	
8	2	7	85.8	1346		8.597932	
9	1	15	89.5			9.757848	
10	1	10	89.3			10.492638	
11	1	17	69.7			11.570717	

Bin5 Statistics 14

CF=5540MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	63.6	1984		0.231352	1
1	3	15	81	1432	1786	1.058141	
2	3	18	74.2	1734	1933	1.829478	
3	3	11	72.7	1502	1030	2.199047	
4	3	11	95.5	1516	1490	3.091133	
5	3	17	85.8	1990	1341	3.577025	
6	1	18	96.3			4.365965	
7	2	13	69.2	1654		4.657848	
8	2	12	58.8	1551		5.084701	
9	3	16	66.8	1786	1204	6.122145	
10	2	6	94.3	1277		6.576214	
11	2	14	74.4	1488		7.206005	
12	2	8	58	1167		7.619217	
13	2	5	66.2	1119		8.773509	
14	2	19	51.8	1224		9.292495	
15	3	12	62.6	1463	1405	9.689585	
16	1	8	67.6			10.363154	
17	1	16	75.5			10.892428	
18	1	6	67.4			11.686964	

Bin5 Statistics 15

CF=5539MHz

Trial #	Pulse	Chirp (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	63.3	1003		0.402981	1
1	2	7	71.6	1501		1.34624	
2	1	16	68.2			2.686999	
3	2	14	61.5	1398		3.566269	
4	2	10	67.8	1036		4.803885	
5	2	11	65.8	1555		5.575378	
6	2	16	78.6	1047		6.128483	
7	1	13	83.5			7.305767	
8	3	5	96.3	1166	1411	8.363175	
9	1	13	61.3			9.102634	
10	2	18	95.9	1922		10.732447	
11	2	6	73.5	1910		11.523093	

Bin5 Statistics 16

CF=5554MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	62.7	1248		0.028692	1
1	2	18	93.2	1235		1.140572	
2	2	8	59.3	1713		2.316557	
3	2	8	83.6	1663		2.476888	
4	1	13	60.5			3.230323	
5	3	18	52.7	1673	1279	4.663909	
6	2	10	60.6	1285		4.978587	
7	2	14	65	1667		5.876014	
8	2	17	76.7	1695		6.659979	
9	1	14	85.6			7.534685	
10	1	5	93.4			8.182939	
11	1	6	84.9			9.057063	
12	2	9	89.2	1684		9.909727	
13	1	13	55.9			10.640842	
14	2	12	58	1541		11.427088	

Bin5 Statistics 17

CF=5543MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	83.7	1011	1056	0.52208	1
1	2	13	80.2	1603		1.768586	
2	2	16	71.8	1998		2.490865	
3	2	9	91.9	1205		4.34796	
4	2	7	82.5	1918		4.802435	
5	1	12	52.6			5.798644	
6	2	20	77.6	1635		6.687749	
7	2	9	57.2	1850		8.601191	
8	2	13	54.9	1973		8.826091	
9	2	17	63.8	1030		10.192529	
10	3	11	64	1806	1251	11.474137	

Bin5 Statistics 18

CF=5530MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	59.6	1851		0.275206	1
1	2	8	91.4	1328		1.819904	
2	1	9	67.8			3.657268	
3	2	15	95	1167		4.525156	
4	1	14	61.2			5.410351	
5	1	11	59.7			7.456221	
6	1	18	68.9			8.995282	
7	3	5	76.6	1462	1248	9.940202	
8	2	12	60.8	1874		11.500476	

Bin5 Statistics 19

CF=5557MHz

Trial #	Pulse	Chirp (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	62.4	1307		0.445965	1
1	1	14	90.7			1.191674	
2	2	20	70.9	1948		1.41795	
3	1	9	82.2			2.2927	
4	2	18	61.4	1403		3.050567	
5	2	6	76.5	1287		3.491257	
6	3	17	87.6	1752	1554	4.212174	
7	3	10	95.4	1035	1252	4.790491	
8	1	9	81.7			5.529202	
9	2	14	60.7	1446		5.899528	
10	2	18	89.9	1634		6.613197	
11	2	11	79.6	1331		7.297169	
12	3	16	52.3	1622	1997	7.854224	
13	3	16	94.1	1152	1180	8.463513	
14	1	9	51.6			9.359355	
15	3	10	84.9	1262	1190	9.797936	
16	2	9	64.9	1109		10.624015	
17	2	13	95.5	1659		10.810399	
18	2	14	87.7	1474		11.891088	

Bin5 Statistics 20

CF=5554MHz

Trial #	Pulse	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	91.6			0.438618	1
1	2	9	64.4	1905		1.133366	
2	2	6	66.4	1134		1.79066	
3	3	7	67	1672	1307	2.907583	
4	1	17	66.4			3.713557	
5	3	16	73.4	1565	1062	4.713895	
6	3	17	96.5	1425	1848	5.88862	
7	3	10	80.4	1218	1384	6.55573	
8	2	13	55.7	1124		7.375612	
9	2	12	84.2	1809		8.034642	
10	3	8	75.8	1594	1098	8.639579	
11	1	5	51.2			9.593978	
12	3	14	75.9	1473	1713	10.704363	
13	2	16	66.4	1158		11.666061	

Bin5 Statistics 21

CF=5530MHz

Trial #	Pulse	Chirp (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	70.9	1666		1.458442	1
1	2	14	95.3	1075		2.636129	
2	2	20	51.7	1999		4.094092	
3	1	6	90.4			4.512586	
4	2	12	84.8	1218		6.123194	
5	2	8	89.6	1118		8.816165	
6	2	7	63.8	1197		9.783587	
7	3	17	60.9	1992	1539	11.693162	

Bin5 Statistics 22

CF=5555MHz

Trial #	Pulse	Chirp (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	81.9	1598		0.531572	1
1	2	9	52.1	1885		1.602527	
2	1	20	95.6			1.971926	
3	3	9	66.3	1307	1238	3.047211	
4	1	15	68.7			3.85141	
5	1	12	79.6			4.334549	
6	3	15	63.1	1528	1259	5.703393	
7	3	12	55.2	1674	1629	6.650681	
8	3	13	50.7	1103	1265	6.880546	
9	2	13	56.8	1259		8.378501	
10	1	8	92.4			8.811047	
11	2	9	52.5	1024		9.716333	
12	1	12	94			10.868302	
13	2	18	53.8	1439		11.492202	

Bin5 Statistics 23

CF=5555MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	59.2	1728		0.448232	1
1	2	5	58	1991		1.338394	
2	2	19	95.5	1165		2.27603	
3	2	19	88.6	1448		2.794306	
4	1	19	95.4			4.223274	
5	1	18	70.4			5.106322	
6	2	10	64.8	1080		6.253626	
7	2	17	85.5	1864		6.827635	
8	2	8	91.2	1574		7.781758	
9	1	11	60.2			8.57642	
10	2	10	66.7	1542		9.966994	
11	2	5	68.3	1783		10.996255	
12	2	7	75.5	1093		11.306319	

Bin5 Statistics 24

CF=5562MHz

Trial #	Pulse	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	67.4			0.341616	1
1	2	6	94.6	1325		1.205854	
2	2	7	90.6	1827		2.164721	
3	1	10	85.1			3.637074	
4	2	10	71.6	1646		3.997775	
5	2	7	77.8	1999		5.346044	
6	3	18	72	1126	1595	5.813427	
7	2	17	83.8	1327		6.68262	
8	1	13	97.4			7.7301	
9	2	18	86.4	1971		8.992797	
10	1	19	85.4			9.235157	
11	3	19	67.6	1414	1478	11.052338	
12	2	11	81.3	1744		11.624757	

Bin5 Statistics 25

CF=5538MHz

Trial #	Pulse	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	91.6			0.315579	1
1	2	5	87.1	1886		1.667458	
2	2	7	71.5	1474		2.297863	
3	3	7	82.6	1326	1948	2.787648	
4	3	13	92.1	1766	1026	3.831139	
5	2	9	71.2	1703		4.557701	
6	1	16	86.2			5.152007	
7	2	16	69.3	1070		6.427053	
8	3	17	94.6	1703	1697	7.116235	
9	2	14	77.1	1879		7.733976	
10	3	10	86.4	1705	1393	8.83021	
11	3	14	61.8	1075	1538	9.583413	
12	2	5	87.2	1561		10.654163	
13	1	17	63.4			11.326426	

Bin5 Statistics 26

CF=5559MHz

Trial #	Pulse	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	84.2	1830	1513	0.734639	1
1	3	16	92.7	1652	1737	1.365617	
2	3	11	95	1333	1409	2.707936	
3	2	11	79.9	1976		3.930188	
4	3	9	96.1	1114	1292	4.387488	
5	3	6	94.6	1015	1379	5.620502	
6	3	7	76.3	1763	1051	7.227962	
7	1	11	54.2			8.163025	
8	1	14	56.7			8.864004	
9	1	5	51			9.828876	
10	3	13	96.8	1882	1125	11.823257	

Bin5 Statistics 27

CF=5547MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	53.5	1138		0.917849	1
1	3	14	66.2	1371	1514	1.58397	
2	2	9	93.3	1693		2.144234	
3	3	15	87.6	1092	1176	3.78325	
4	2	14	95.3	1277		4.417265	
5	1	7	99.2			5.279158	
6	2	11	66.1	1699		6.144912	
7	3	13	66.8	1861	1089	7.117451	
8	2	6	93.1	1616		8.75789	
9	1	18	84.1			9.767659	
10	3	13	54	1150	1153	10.27882	
11	2	17	88.2	1378		11.186016	

Bin5 Statistics 28

CF=5551MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	85.8	1527		0.804731	1
1	2	13	87.2	1945		1.494609	
2	2	17	92.5	1784		2.78379	
3	1	7	67.4			4.505222	
4	2	9	78.8	1086		4.966044	
5	3	18	56.8	1128	1944	6.472565	
6	3	6	61.6	1656	1634	8.251735	
7	1	8	67.4			8.957477	
8	1	7	63.8			10.638861	
9	3	6	91.4	1602	1845	11.576155	

Bin5 Statistics 29

CF=5534MHz

Trial #	Pulse	Chirp (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	82.8	1548		0.638654	1
1	1	6	89.1			1.427729	
2	2	9	95.5	1056		1.790393	
3	1	19	90			2.768035	
4	3	20	64	1407	1377	3.573916	
5	2	15	70.2	1196		5.005269	
6	1	15	99.6			5.39114	
7	2	9	83.8	1349		6.147703	
8	3	6	54.1	1596	1705	7.662868	
9	1	18	98.8			8.413027	
10	2	7	95.7	1574		9.187615	
11	2	16	61.2	1499		10.250363	
12	1	10	97.5			10.474377	
13	1	17	65.9			11.956313	

Bin5 Statistics 30

CF=5544MHz

Trial #	Pulse	Chirp (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	96.8	1848		0.507757	1
1	1	10	86.3			2.349746	
2	2	10	65	1975		3.323919	
3	3	14	98.1	1898	1412	4.776498	
4	1	18	85.7			5.613413	
5	3	17	98	1981	1412	6.754271	
6	2	12	60.3	1581		8.339421	
7	2	19	50.9	1386		8.597001	
8	2	11	69.4	1376		10.579445	
9	1	10	99.5			11.70663	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5550	9	1	333	1	5375.0, 5496.0, 5497.0, 5322.0, 5370.0, 5492.0, 5344.0, 5524.0, 5362.0, 5530.0, 5358.0, 5427.0, 5267.0, 5517.0, 5372.0, 5295.0, 5440.0, 5269.0, 5571.0, 5429.0, 5668.0, 5376.0, 5631.0, 5311.0, 5263.0, 5272.0, 5527.0, 5277.0, 5394.0, 5521.0, 5567.0, 5268.0, 5459.0, 5547.0, 5308.0, 5656.0, 5637.0, 5330.0, 5650.0, 5552.0, 5324.0, 5674.0, 5592.0, 5466.0, 5523.0, 5402.0, 5284.0, 5706.0, 5298.0, 5418.0, 5696.0, 5326.0, 5620.0, 5662.0, 5713.0, 5343.0, 5465.0, 5398.0, 5460.0, 5601.0, 5585.0, 5392.0, 5250.0, 5450.0, 5722.0, 5287.0, 5469.0, 5361.0, 5368.0, 5379.0, 5687.0, 5281.0, 5410.0, 5419.0, 5360.0, 5408.0, 5316.0, 5575.0, 5721.0, 5626.0, 5251.0, 5617.0, 5514.0, 5643.0, 5428.0, 5518.0, 5709.0, 5688.0, 5624.0, 5613.0, 5559.0, 5397.0, 5525.0, 5642.0, 5528.0, 5611.0, 5608.0, 5723.0, 5385.0, 5577.0 (number of hits: 5)
2	5550	9	1	333	1	5434.0, 5654.0, 5721.0, 5327.0, 5675.0, 5673.0, 5611.0, 5561.0, 5714.0, 5421.0, 5323.0, 5342.0, 5621.0, 5553.0, 5495.0, 5642.0, 5298.0, 5622.0, 5539.0, 5467.0, 5629.0, 5547.0, 5275.0, 5356.0, 5352.0, 5259.0, 5333.0, 5699.0, 5481.0, 5289.0, 5623.0, 5385.0, 5258.0, 5685.0, 5548.0, 5509.0, 5656.0, 5683.0, 5601.0, 5290.0, 5418.0, 5554.0, 5406.0, 5267.0, 5409.0, 5587.0, 5274.0, 5492.0, 5718.0, 5471.0, 5278.0, 5620.0, 5407.0, 5647.0, 5366.0, 5387.0, 5309.0, 5570.0, 5464.0, 5431.0, 5605.0, 5331.0, 5566.0, 5712.0, 5376.0, 5572.0, 5477.0, 5334.0, 5660.0, 5552.0, 5432.0, 5484.0, 5408.0, 5455.0, 5452.0, 5388.0, 5280.0, 5518.0, 5260.0, 5522.0, 5538.0, 5640.0, 5649.0, 5523.0, 5550.0, 5358.0, 5516.0, 5447.0, 5284.0, 5473.0, 5349.0, 5416.0, 5273.0, 5614.0, 5723.0, 5395.0, 5339.0, 5382.0, 5578.0, 5606.0 (number of hits: 10)
3	5550	9	1	333	1	5592.0, 5581.0, 5434.0, 5439.0, 5368.0, 5686.0, 5536.0, 5614.0, 5260.0, 5455.0, 5670.0, 5369.0, 5694.0, 5418.0, 5518.0, 5531.0, 5347.0, 5278.0, 5275.0, 5440.0, 5622.0, 5512.0, 5679.0, 5652.0, 5463.0, 5334.0, 5288.0, 5386.0, 5437.0, 5441.0, 5309.0, 5553.0, 5457.0, 5534.0, 5261.0, 5624.0, 5696.0, 5566.0, 5298.0, 5496.0, 5253.0, 5564.0, 5685.0, 5401.0, 5602.0, 5716.0, 5250.0, 5438.0, 5571.0, 5325.0, 5412.0, 5397.0, 5638.0, 5461.0, 5645.0, 5423.0, 5546.0, 5384.0, 5495.0, 5311.0, 5506.0, 5678.0, 5659.0, 5629.0, 5474.0,

						5504.0, 5634.0, 5430.0, 5425.0, 5365.0, 5557.0, 5339.0, 5543.0, 5627.0, 5528.0, 5663.0, 5328.0, 5491.0, 5616.0, 5501.0, 5674.0, 5356.0, 5428.0, 5487.0, 5589.0, 5515.0, 5359.0, 5574.0, 5256.0, 5443.0, 5617.0, 5338.0, 5456.0, 5653.0, 5658.0, 5603.0, 5509.0, 5665.0, 5314.0, 5344.0 (number of hits: 9)
4	5550	9	1	333	1	5543.0, 5553.0, 5708.0, 5694.0, 5400.0, 5649.0, 5452.0, 5681.0, 5439.0, 5460.0, 5562.0, 5481.0, 5450.0, 5410.0, 5693.0, 5340.0, 5417.0, 5404.0, 5534.0, 5263.0, 5379.0, 5502.0, 5639.0, 5629.0, 5555.0, 5668.0, 5353.0, 5660.0, 5328.0, 5689.0, 5510.0, 5520.0, 5301.0, 5397.0, 5627.0, 5616.0, 5609.0, 5552.0, 5412.0, 5642.0, 5389.0, 5457.0, 5563.0, 5643.0, 5375.0, 5305.0, 5341.0, 5506.0, 5683.0, 5367.0, 5416.0, 5424.0, 5606.0, 5645.0, 5374.0, 5653.0, 5440.0, 5407.0, 5661.0, 5718.0, 5456.0, 5388.0, 5408.0, 5334.0, 5267.0, 5279.0, 5519.0, 5662.0, 5304.0, 5516.0, 5268.0, 5703.0, 5413.0, 5702.0, 5663.0, 5646.0, 5465.0, 5466.0, 5315.0, 5382.0, 5352.0, 5494.0, 5493.0, 5415.0, 5396.0, 5524.0, 5558.0, 5596.0, 5651.0, 5635.0, 5337.0, 5296.0, 5698.0, 5302.0, 5358.0, 5462.0, 5647.0, 5511.0, 5638.0, 5637.0 (number of hits: 8)
5	5550	9	1	333	1	5477.0, 5512.0, 5553.0, 5390.0, 5279.0, 5382.0, 5719.0, 5371.0, 5445.0, 5453.0, 5303.0, 5360.0, 5708.0, 5305.0, 5268.0, 5294.0, 5524.0, 5540.0, 5674.0, 5377.0, 5532.0, 5344.0, 5573.0, 5494.0, 5297.0, 5402.0, 5442.0, 5583.0, 5391.0, 5394.0, 5311.0, 5534.0, 5356.0, 5327.0, 5599.0, 5429.0, 5504.0, 5694.0, 5273.0, 5250.0, 5275.0, 5622.0, 5319.0, 5351.0, 5397.0, 5572.0, 5409.0, 5470.0, 5384.0, 5500.0, 5613.0, 5330.0, 5412.0, 5522.0, 5660.0, 5565.0, 5393.0, 5285.0, 5581.0, 5547.0, 5261.0, 5503.0, 5362.0, 5651.0, 5506.0, 5525.0, 5657.0, 5262.0, 5439.0, 5528.0, 5413.0, 5566.0, 5501.0, 5284.0, 5642.0, 5486.0, 5314.0, 5308.0, 5386.0, 5407.0, 5681.0, 5421.0, 5366.0, 5451.0, 5359.0, 5673.0, 5318.0, 5671.0, 5441.0, 5519.0, 5322.0, 5639.0, 5255.0, 5620.0, 5267.0, 5511.0, 5426.0, 5518.0, 5478.0, 5263.0 (number of hits: 7)
6	5550	9	1	333	1	5674.0, 5399.0, 5681.0, 5658.0, 5439.0, 5297.0, 5547.0, 5314.0, 5598.0, 5580.0, 5645.0, 5425.0, 5398.0, 5464.0, 5412.0, 5281.0, 5447.0, 5490.0, 5516.0, 5588.0, 5558.0, 5325.0, 5363.0, 5687.0, 5396.0, 5637.0, 5437.0, 5430.0, 5646.0, 5618.0, 5472.0, 5392.0, 5333.0, 5600.0, 5541.0, 5315.0, 5403.0, 5631.0, 5318.0, 5535.0, 5653.0, 5445.0, 5387.0, 5485.0, 5405.0, 5700.0, 5388.0, 5493.0, 5626.0, 5568.0,

						5385.0, 5660.0, 5258.0, 5513.0, 5277.0, 5359.0, 5300.0, 5570.0, 5539.0, 5452.0, 5709.0, 5625.0, 5678.0, 5467.0, 5319.0, 5426.0, 5566.0, 5704.0, 5676.0, 5434.0, 5679.0, 5337.0, 5369.0, 5649.0, 5583.0, 5551.0, 5528.0, 5514.0, 5340.0, 5461.0, 5431.0, 5360.0, 5654.0, 5628.0, 5296.0, 5599.0, 5418.0, 5589.0, 5285.0, 5505.0, 5456.0, 5408.0, 5549.0, 5703.0, 5357.0, 5394.0, 5585.0, 5538.0, 5666.0, 5370.0 (number of hits: 10)
7	5550	9	1	333	1	5569.0, 5568.0, 5378.0, 5550.0, 5442.0, 5544.0, 5396.0, 5563.0, 5346.0, 5385.0, 5668.0, 5652.0, 5258.0, 5251.0, 5518.0, 5500.0, 5699.0, 5509.0, 5674.0, 5647.0, 5266.0, 5461.0, 5520.0, 5718.0, 5483.0, 5450.0, 5522.0, 5670.0, 5437.0, 5253.0, 5539.0, 5312.0, 5615.0, 5420.0, 5432.0, 5362.0, 5642.0, 5434.0, 5561.0, 5630.0, 5347.0, 5525.0, 5700.0, 5344.0, 5673.0, 5412.0, 5382.0, 5486.0, 5423.0, 5471.0, 5526.0, 5435.0, 5687.0, 5460.0, 5479.0, 5438.0, 5255.0, 5319.0, 5527.0, 5519.0, 5624.0, 5317.0, 5372.0, 5557.0, 5678.0, 5287.0, 5389.0, 5315.0, 5410.0, 5521.0, 5722.0, 5620.0, 5257.0, 5375.0, 5621.0, 5376.0, 5427.0, 5610.0, 5703.0, 5288.0, 5706.0, 5565.0, 5278.0, 5428.0, 5357.0, 5662.0, 5297.0, 5414.0, 5358.0, 5503.0, 5537.0, 5564.0, 5671.0, 5660.0, 5625.0, 5417.0, 5714.0, 5685.0, 5282.0, 5263.0 (number of hits: 11)
8	5550	9	1	333	1	5291.0, 5430.0, 5402.0, 5545.0, 5666.0, 5341.0, 5534.0, 5708.0, 5566.0, 5258.0, 5595.0, 5493.0, 5372.0, 5547.0, 5599.0, 5589.0, 5712.0, 5616.0, 5342.0, 5703.0, 5346.0, 5624.0, 5550.0, 5498.0, 5698.0, 5290.0, 5567.0, 5288.0, 5420.0, 5370.0, 5641.0, 5559.0, 5710.0, 5622.0, 5389.0, 5577.0, 5709.0, 5632.0, 5612.0, 5659.0, 5642.0, 5363.0, 5334.0, 5521.0, 5548.0, 5262.0, 5688.0, 5443.0, 5351.0, 5293.0, 5502.0, 5394.0, 5266.0, 5392.0, 5360.0, 5459.0, 5378.0, 5500.0, 5426.0, 5401.0, 5601.0, 5350.0, 5562.0, 5686.0, 5377.0, 5458.0, 5629.0, 5535.0, 5415.0, 5687.0, 5414.0, 5704.0, 5322.0, 5427.0, 5333.0, 5454.0, 5614.0, 5272.0, 5361.0, 5441.0, 5424.0, 5483.0, 5419.0, 5445.0, 5651.0, 5691.0, 5590.0, 5509.0, 5695.0, 5330.0, 5446.0, 5462.0, 5503.0, 5373.0, 5516.0, 5522.0, 5352.0, 5396.0, 5598.0, 5555.0 (number of hits: 11)
9	5550	9	1	333	1	5317.0, 5255.0, 5371.0, 5690.0, 5301.0, 5663.0, 5521.0, 5605.0, 5500.0, 5620.0, 5596.0, 5416.0, 5334.0, 5517.0, 5523.0, 5559.0, 5563.0, 5432.0, 5561.0, 5454.0, 5341.0, 5373.0, 5721.0, 5673.0, 5361.0, 5326.0, 5304.0, 5692.0, 5397.0, 5586.0, 5558.0, 5632.0, 5447.0, 5678.0, 5446.0,

						5268.0, 5480.0, 5722.0, 5388.0, 5612.0, 5422.0, 5312.0, 5425.0, 5538.0, 5594.0, 5585.0, 5426.0, 5471.0, 5292.0, 5622.0, 5424.0, 5414.0, 5287.0, 5543.0, 5555.0, 5529.0, 5626.0, 5534.0, 5544.0, 5460.0, 5273.0, 5269.0, 5254.0, 5552.0, 5257.0, 5494.0, 5606.0, 5664.0, 5487.0, 5599.0, 5514.0, 5509.0, 5539.0, 5499.0, 5258.0, 5524.0, 5702.0, 5660.0, 5541.0, 5277.0, 5597.0, 5578.0, 5691.0, 5360.0, 5550.0, 5513.0, 5406.0, 5263.0, 5540.0, 5404.0, 5568.0, 5719.0, 5665.0, 5584.0, 5712.0, 5415.0, 5515.0, 5715.0, 5363.0, 5669.0 (number of hits: 15)
10	5550	9	1	333	1	5346.0, 5513.0, 5361.0, 5501.0, 5263.0, 5582.0, 5649.0, 5268.0, 5625.0, 5678.0, 5593.0, 5578.0, 5555.0, 5358.0, 5367.0, 5720.0, 5682.0, 5452.0, 5617.0, 5483.0, 5260.0, 5407.0, 5470.0, 5383.0, 5397.0, 5315.0, 5715.0, 5613.0, 5456.0, 5602.0, 5403.0, 5474.0, 5274.0, 5595.0, 5711.0, 5460.0, 5459.0, 5527.0, 5462.0, 5652.0, 5466.0, 5281.0, 5585.0, 5724.0, 5259.0, 5597.0, 5262.0, 5657.0, 5709.0, 5598.0, 5610.0, 5589.0, 5365.0, 5341.0, 5722.0, 5671.0, 5371.0, 5430.0, 5583.0, 5284.0, 5544.0, 5320.0, 5524.0, 5573.0, 5338.0, 5420.0, 5337.0, 5693.0, 5612.0, 5545.0, 5669.0, 5432.0, 5556.0, 5326.0, 5618.0, 5498.0, 5396.0, 5523.0, 5586.0, 5580.0, 5339.0, 5255.0, 5500.0, 5385.0, 5363.0, 5718.0, 5465.0, 5389.0, 5487.0, 5563.0, 5450.0, 5486.0, 5680.0, 5653.0, 5271.0, 5485.0, 5329.0, 5690.0, 5360.0, 5685.0 (number of hits: 5)
11	5550	9	1	333	1	5434.0, 5663.0, 5387.0, 5677.0, 5376.0, 5458.0, 5428.0, 5566.0, 5714.0, 5313.0, 5680.0, 5493.0, 5353.0, 5682.0, 5687.0, 5388.0, 5614.0, 5503.0, 5472.0, 5420.0, 5287.0, 5445.0, 5635.0, 5354.0, 5449.0, 5419.0, 5364.0, 5280.0, 5639.0, 5698.0, 5381.0, 5587.0, 5330.0, 5306.0, 5529.0, 5432.0, 5549.0, 5524.0, 5446.0, 5536.0, 5560.0, 5615.0, 5606.0, 5332.0, 5431.0, 5678.0, 5416.0, 5331.0, 5267.0, 5518.0, 5583.0, 5702.0, 5584.0, 5340.0, 5482.0, 5673.0, 5265.0, 5373.0, 5666.0, 5440.0, 5604.0, 5453.0, 5328.0, 5423.0, 5469.0, 5505.0, 5532.0, 5278.0, 5684.0, 5403.0, 5591.0, 5685.0, 5709.0, 5507.0, 5553.0, 5344.0, 5704.0, 5514.0, 5253.0, 5601.0, 5295.0, 5515.0, 5379.0, 5259.0, 5410.0, 5577.0, 5641.0, 5512.0, 5633.0, 5559.0, 5653.0, 5271.0, 5618.0, 5537.0, 5690.0, 5575.0, 5333.0, 5475.0, 5348.0, 5645.0 (number of hits: 8)
12	5550	9	1	333	1	5608.0, 5522.0, 5508.0, 5444.0, 5434.0, 5261.0, 5435.0, 5629.0, 5433.0, 5455.0, 5363.0, 5634.0, 5558.0, 5693.0, 5459.0, 5285.0, 5317.0, 5718.0, 5307.0, 5273.0,

						5335.0, 5552.0, 5477.0, 5469.0, 5421.0, 5377.0, 5429.0, 5442.0, 5341.0, 5500.0, 5299.0, 5707.0, 5400.0, 5472.0, 5601.0, 5394.0, 5430.0, 5447.0, 5650.0, 5344.0, 5283.0, 5519.0, 5385.0, 5450.0, 5644.0, 5535.0, 5349.0, 5721.0, 5685.0, 5507.0, 5271.0, 5560.0, 5626.0, 5597.0, 5272.0, 5646.0, 5574.0, 5457.0, 5528.0, 5409.0, 5345.0, 5417.0, 5643.0, 5603.0, 5493.0, 5372.0, 5697.0, 5530.0, 5263.0, 5609.0, 5520.0, 5537.0, 5526.0, 5467.0, 5324.0, 5545.0, 5280.0, 5712.0, 5269.0, 5724.0, 5331.0, 5376.0, 5695.0, 5599.0, 5327.0, 5639.0, 5548.0, 5314.0, 5572.0, 5627.0, 5378.0, 5427.0, 5511.0, 5270.0, 5396.0, 5713.0, 5487.0, 5580.0, 5485.0, 5630.0 (number of hits: 8)
13	5550	9	1	333	1	5538.0, 5260.0, 5306.0, 5317.0, 5387.0, 5264.0, 5587.0, 5333.0, 5365.0, 5716.0, 5466.0, 5658.0, 5367.0, 5464.0, 5705.0, 5334.0, 5379.0, 5569.0, 5634.0, 5649.0, 5310.0, 5647.0, 5481.0, 5685.0, 5620.0, 5714.0, 5580.0, 5291.0, 5696.0, 5257.0, 5671.0, 5299.0, 5395.0, 5270.0, 5701.0, 5251.0, 5619.0, 5624.0, 5563.0, 5531.0, 5475.0, 5397.0, 5659.0, 5612.0, 5429.0, 5615.0, 5374.0, 5352.0, 5442.0, 5694.0, 5526.0, 5386.0, 5697.0, 5341.0, 5564.0, 5703.0, 5579.0, 5328.0, 5626.0, 5632.0, 5359.0, 5549.0, 5327.0, 5490.0, 5350.0, 5452.0, 5439.0, 5296.0, 5577.0, 5478.0, 5425.0, 5565.0, 5392.0, 5496.0, 5568.0, 5351.0, 5360.0, 5457.0, 5510.0, 5437.0, 5415.0, 5459.0, 5424.0, 5655.0, 5431.0, 5641.0, 5453.0, 5642.0, 5493.0, 5548.0, 5660.0, 5528.0, 5588.0, 5567.0, 5639.0, 5699.0, 5410.0, 5711.0, 5614.0, 5651.0 (number of hits: 10)
14	5550	9	1	333	1	5518.0, 5308.0, 5288.0, 5600.0, 5462.0, 5545.0, 5442.0, 5399.0, 5323.0, 5301.0, 5538.0, 5511.0, 5581.0, 5713.0, 5499.0, 5595.0, 5707.0, 5678.0, 5524.0, 5692.0, 5251.0, 5436.0, 5488.0, 5327.0, 5283.0, 5720.0, 5575.0, 5593.0, 5520.0, 5256.0, 5637.0, 5364.0, 5519.0, 5533.0, 5653.0, 5267.0, 5295.0, 5284.0, 5706.0, 5688.0, 5609.0, 5379.0, 5554.0, 5710.0, 5426.0, 5683.0, 5622.0, 5329.0, 5614.0, 5286.0, 5370.0, 5266.0, 5495.0, 5704.0, 5383.0, 5514.0, 5381.0, 5676.0, 5526.0, 5509.0, 5638.0, 5597.0, 5369.0, 5566.0, 5274.0, 5717.0, 5448.0, 5331.0, 5259.0, 5630.0, 5289.0, 5471.0, 5357.0, 5445.0, 5254.0, 5576.0, 5583.0, 5719.0, 5477.0, 5431.0, 5300.0, 5466.0, 5312.0, 5350.0, 5634.0, 5620.0, 5693.0, 5516.0, 5724.0, 5429.0, 5562.0, 5252.0, 5443.0, 5396.0, 5513.0, 5599.0, 5337.0, 5334.0, 5346.0, 5413.0 (number of hits: 6)
15	5550	9	1	333	1	5636.0, 5473.0, 5427.0, 5715.0, 5380.0,

						5684.0, 5272.0, 5693.0, 5279.0, 5536.0, 5604.0, 5484.0, 5575.0, 5426.0, 5478.0, 5718.0, 5262.0, 5584.0, 5637.0, 5448.0, 5299.0, 5569.0, 5485.0, 5602.0, 5683.0, 5423.0, 5548.0, 5285.0, 5293.0, 5304.0, 5460.0, 5508.0, 5298.0, 5276.0, 5629.0, 5433.0, 5592.0, 5565.0, 5403.0, 5566.0, 5260.0, 5344.0, 5666.0, 5413.0, 5582.0, 5658.0, 5635.0, 5710.0, 5400.0, 5630.0, 5481.0, 5463.0, 5369.0, 5486.0, 5378.0, 5577.0, 5294.0, 5585.0, 5337.0, 5517.0, 5620.0, 5410.0, 5524.0, 5519.0, 5363.0, 5642.0, 5255.0, 5297.0, 5261.0, 5280.0, 5664.0, 5619.0, 5632.0, 5573.0, 5506.0, 5680.0, 5259.0, 5546.0, 5379.0, 5512.0, 5437.0, 5586.0, 5639.0, 5302.0, 5713.0, 5422.0, 5256.0, 5321.0, 5312.0, 5550.0, 5496.0, 5685.0, 5335.0, 5528.0, 5616.0, 5265.0, 5646.0, 5719.0, 5670.0, 5509.0 (number of hits: 7)
16	5550	9	1	333	1	5400.0, 5451.0, 5410.0, 5391.0, 5310.0, 5688.0, 5640.0, 5368.0, 5386.0, 5340.0, 5502.0, 5294.0, 5435.0, 5367.0, 5504.0, 5617.0, 5251.0, 5278.0, 5398.0, 5383.0, 5676.0, 5344.0, 5420.0, 5579.0, 5717.0, 5357.0, 5296.0, 5447.0, 5649.0, 5547.0, 5274.0, 5531.0, 5373.0, 5474.0, 5267.0, 5527.0, 5460.0, 5678.0, 5419.0, 5366.0, 5493.0, 5292.0, 5316.0, 5532.0, 5318.0, 5589.0, 5464.0, 5641.0, 5492.0, 5645.0, 5481.0, 5311.0, 5328.0, 5271.0, 5313.0, 5606.0, 5587.0, 5472.0, 5563.0, 5603.0, 5595.0, 5495.0, 5631.0, 5389.0, 5276.0, 5568.0, 5722.0, 5626.0, 5605.0, 5663.0, 5538.0, 5497.0, 5477.0, 5510.0, 5381.0, 5601.0, 5469.0, 5574.0, 5628.0, 5476.0, 5329.0, 5339.0, 5362.0, 5411.0, 5691.0, 5314.0, 5639.0, 5275.0, 5454.0, 5602.0, 5337.0, 5277.0, 5442.0, 5354.0, 5697.0, 5297.0, 5709.0, 5395.0, 5625.0, 5437.0 (number of hits: 6)
17	5550	9	1	333	1	5607.0, 5562.0, 5640.0, 5517.0, 5541.0, 5518.0, 5353.0, 5680.0, 5508.0, 5359.0, 5529.0, 5360.0, 5532.0, 5368.0, 5505.0, 5512.0, 5658.0, 5514.0, 5467.0, 5533.0, 5483.0, 5591.0, 5568.0, 5500.0, 5468.0, 5708.0, 5593.0, 5589.0, 5628.0, 5473.0, 5574.0, 5646.0, 5438.0, 5605.0, 5264.0, 5265.0, 5515.0, 5588.0, 5700.0, 5501.0, 5270.0, 5666.0, 5315.0, 5703.0, 5314.0, 5661.0, 5423.0, 5267.0, 5674.0, 5695.0, 5694.0, 5625.0, 5378.0, 5342.0, 5382.0, 5579.0, 5443.0, 5466.0, 5722.0, 5667.0, 5355.0, 5565.0, 5324.0, 5691.0, 5626.0, 5600.0, 5462.0, 5362.0, 5678.0, 5259.0, 5580.0, 5629.0, 5531.0, 5256.0, 5539.0, 5327.0, 5563.0, 5345.0, 5715.0, 5524.0, 5503.0, 5479.0, 5328.0, 5379.0, 5714.0, 5578.0, 5681.0, 5344.0, 5711.0, 5470.0, 5294.0, 5595.0, 5608.0, 5679.0, 5279.0,

						5719.0, 5357.0, 5717.0, 5507.0, 5369.0 (number of hits: 9)
18	5550	9	1	333	1	5642.0, 5296.0, 5445.0, 5373.0, 5280.0, 5473.0, 5494.0, 5516.0, 5450.0, 5594.0, 5401.0, 5575.0, 5569.0, 5488.0, 5622.0, 5352.0, 5441.0, 5538.0, 5540.0, 5663.0, 5374.0, 5261.0, 5596.0, 5469.0, 5268.0, 5312.0, 5442.0, 5351.0, 5435.0, 5689.0, 5431.0, 5316.0, 5482.0, 5702.0, 5443.0, 5448.0, 5708.0, 5678.0, 5602.0, 5302.0, 5362.0, 5489.0, 5644.0, 5376.0, 5257.0, 5468.0, 5414.0, 5562.0, 5676.0, 5547.0, 5255.0, 5429.0, 5688.0, 5279.0, 5564.0, 5314.0, 5706.0, 5530.0, 5340.0, 5270.0, 5346.0, 5700.0, 5574.0, 5418.0, 5402.0, 5349.0, 5300.0, 5424.0, 5434.0, 5399.0, 5659.0, 5290.0, 5721.0, 5716.0, 5454.0, 5385.0, 5580.0, 5283.0, 5639.0, 5446.0, 5613.0, 5681.0, 5662.0, 5269.0, 5687.0, 5328.0, 5390.0, 5668.0, 5506.0, 5321.0, 5386.0, 5453.0, 5519.0, 5411.0, 5603.0, 5524.0, 5305.0, 5332.0, 5546.0, 5556.0 (number of hits: 9)
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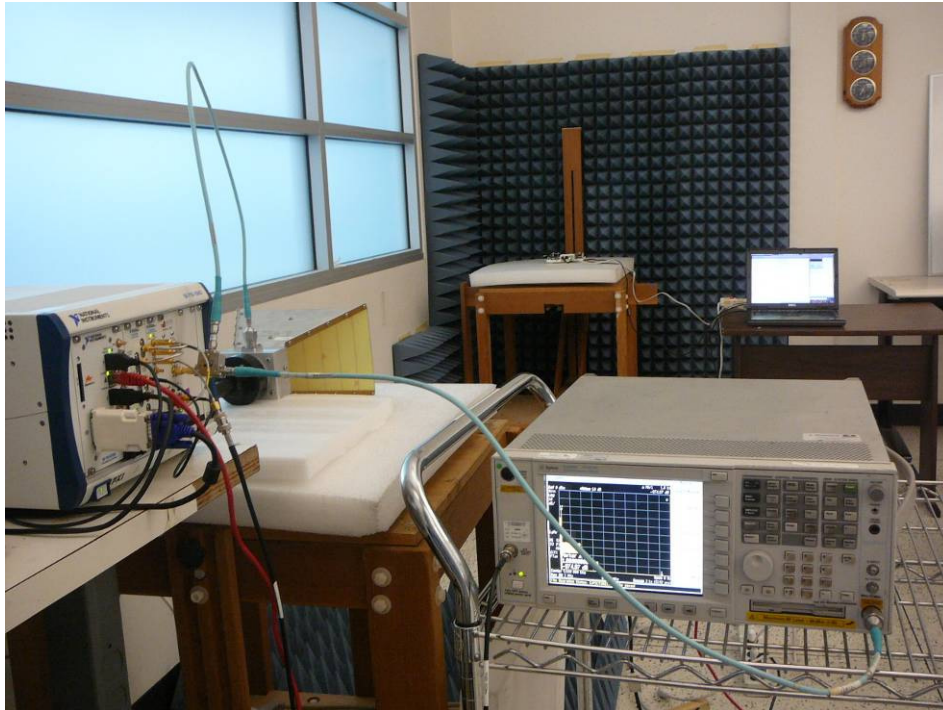
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7 Appendix A – Test Setup Photographs

7.1 DFS Test Setup View



8 Appendix B – EUT Photographs

8.1 EUT – Top View



8.2 EUT – Front View



8.3 EUT – Left Side View



8.4 EUT – Right Side View



8.5 EUT – Rear Side View



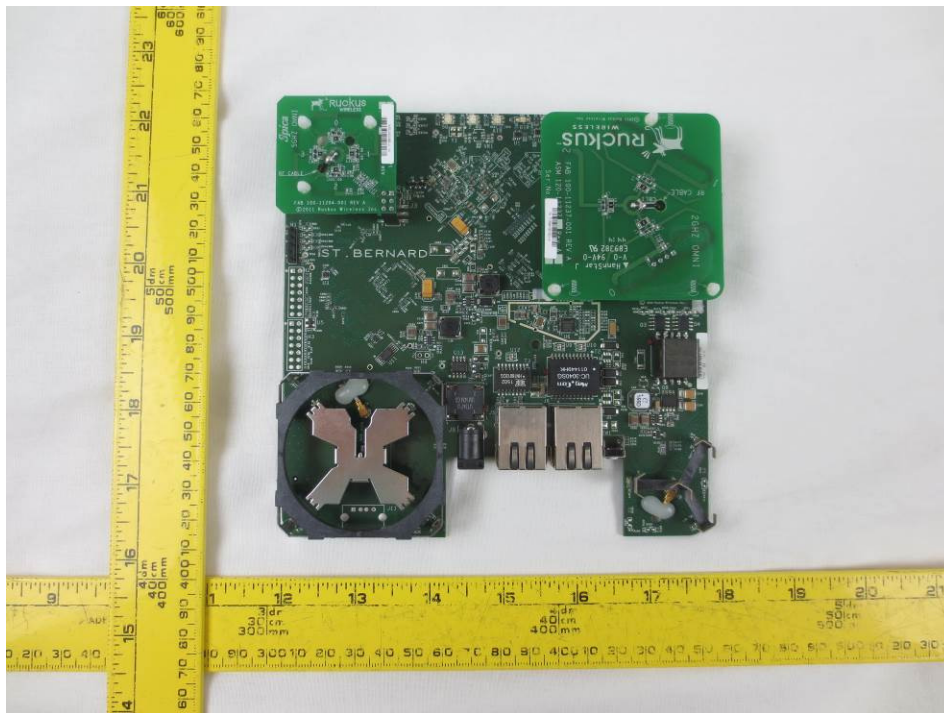
8.6 EUT – Bottom Side View



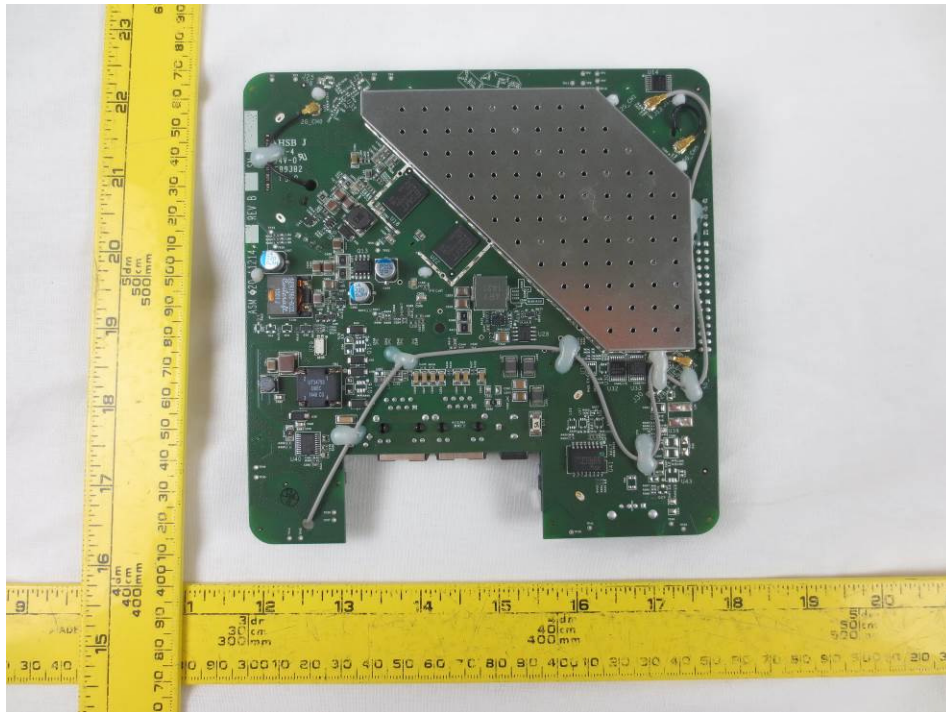
8.7 EUT – Open Chassis



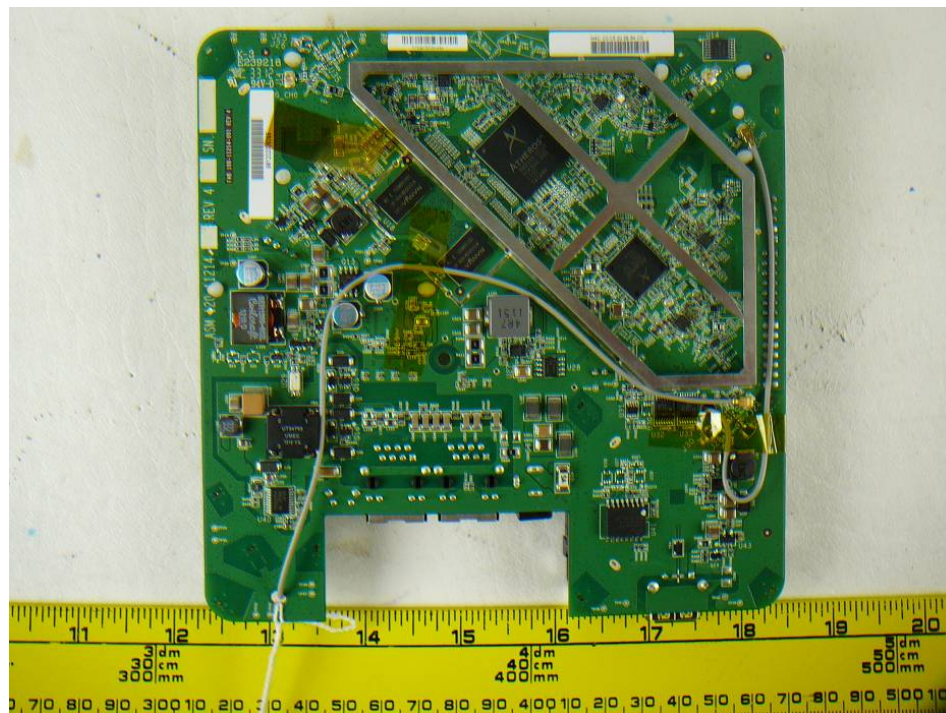
8.8 EUT – Motherboard Component Top View



8.9 EUT – Motherboard Solder Bottom View with Shield



8.10 EUT – Motherboard Solder Bottom View without Shield



8.11 EUT – AC/DC Adapter



8.12 EUT – POE and Adapter View



--- END OF REPORT ---