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: S9GTDBAC22N

Report Type: CIIPC Report	**Equipment Type:** 802.11 a/b/g/n/ac Module
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Report Number	R1407152-DFS Rev A
Report Date	2016-03-09
Reviewed By	Bo Li EMC Lead
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* This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "*" (Rev.3)

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1407152-DFS	Initial	2014-01-09
1	R1407152-DFS Rev A	Updated Test Data	2016-03-09

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report has been compiled on behalf of Ruckus Wireless, Inc, and their product, model number: *TDBAC22N,* FCC ID: S9GTDBAC22N which henceforth is referred to as the EUT (Equipment Under Test.). EUT is an 802.11a/b/g/n/ac Radio Modular.

1.2 Mechanical Description of EUT

The EUT measures approximately 15 cm (L) x 13 cm (W) x 2.0 cm (H) and weighs 114.5 g.

The test data gathered are from typical production sample, serial number: 171406000022 assigned 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 v01r01.

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

The EUT was tested in the host unit (model Number: T301S).

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r01

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

1.6 Test Facility

Bay Area Compliance Laboratories Corp. (BACL) is:

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

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

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

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

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

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

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

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

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

2 EUT Test Configuration

2.1 Justification

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

2.2 EUT Exercise Software

The test utility used version was 9.6.0 was provided by *Ruckus Wireless Inc.,* and was verified by *Chen Ge* 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	Main Board (SANTORINI)	ASM 120-11257-003 rev. 4	RUK02806
Ruckus	Interface	-	-

2.6 Power Supply List and Details

Manufacturer	Description	Model	Part Number
Ruckus	Power Supply cord	PA1024-4HU	-
Ruckus	POE Power Adapter	NPE-5818	740-64157-001

3 Summary of Test Results

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

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

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r01

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

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

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

Table 4: DFS Response Requirement Values

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

Note 1: *Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst*
Note 2: The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the *U-NII Detection Bandwidth* detection test, radar type 0 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 5: Short Pulse Radar Test Waveforms

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

Table 6: Long Pulse Radar Test Signal

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

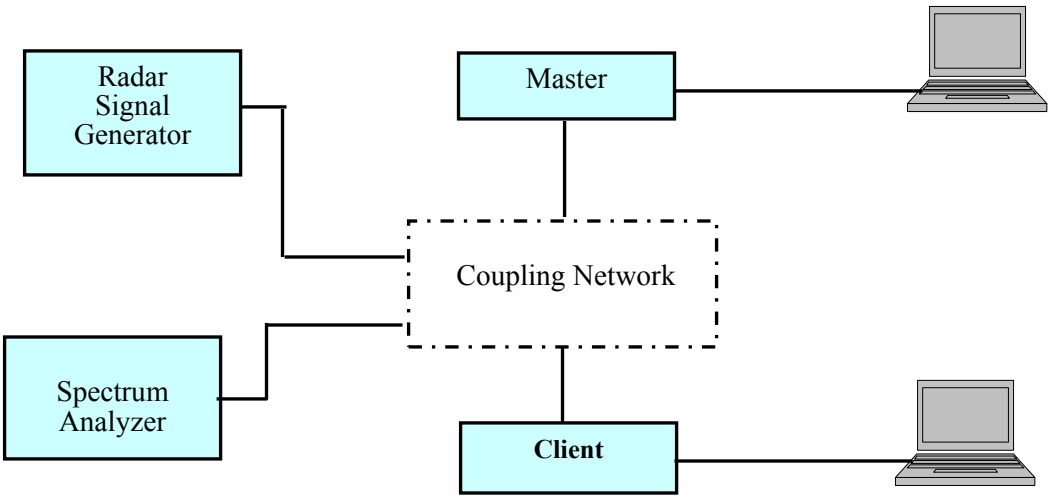
Table 7: Frequency Hopping Radar Test Signal

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

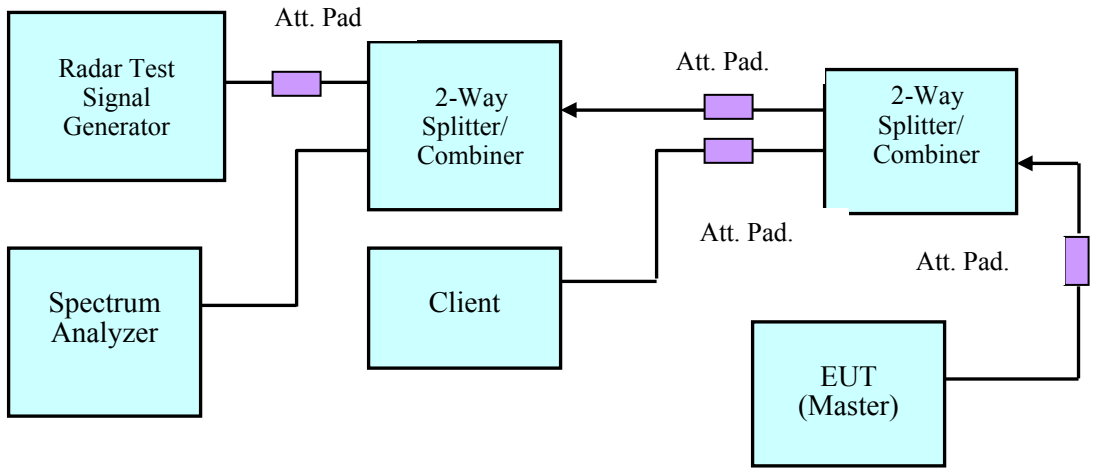
4.2 DFS Measurement System

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

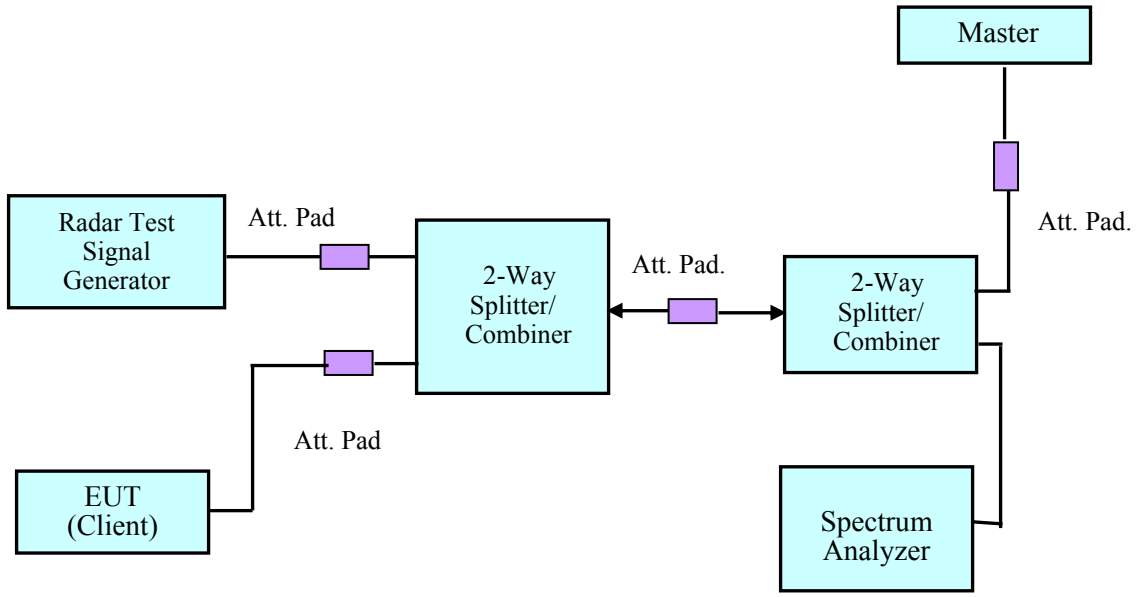
4.3 System Block Diagram



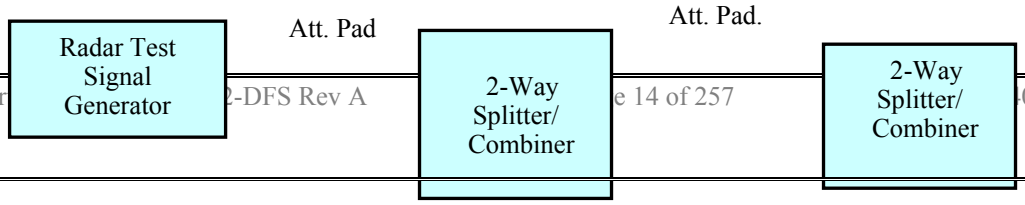
4.4 Conducted Method

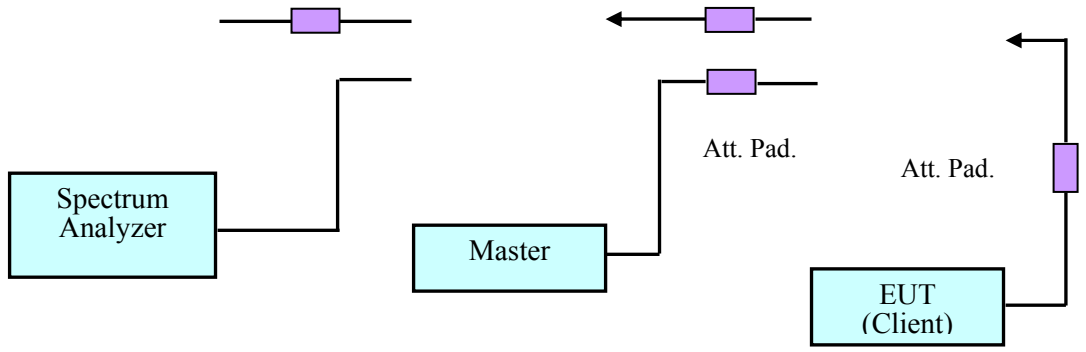


Setup for Master with injection at the Master



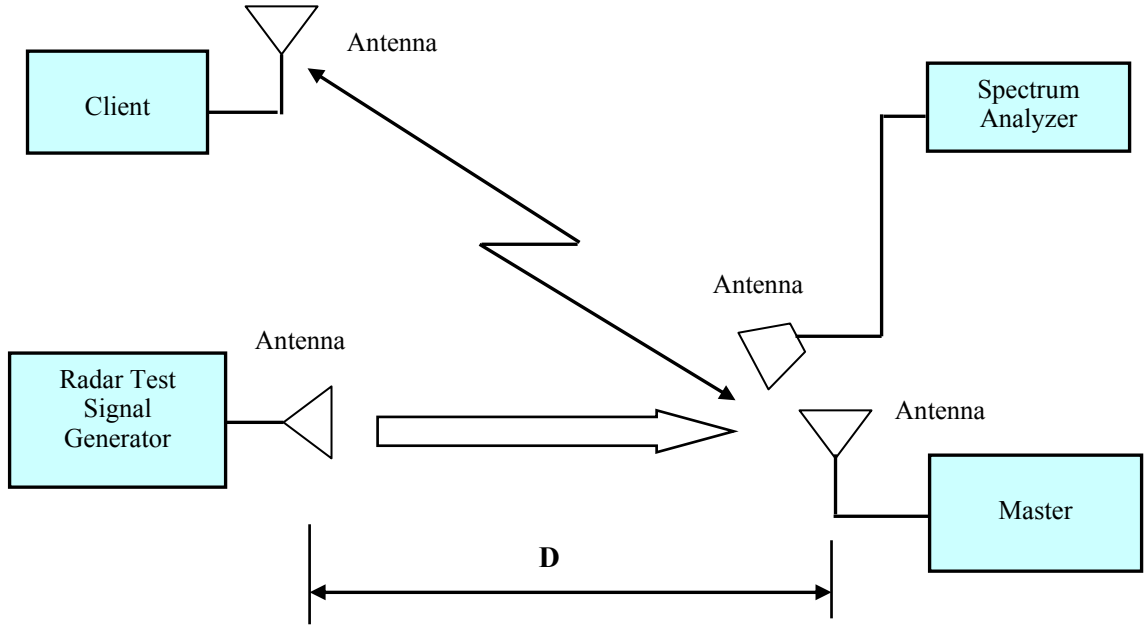
Setup for Client with injection at the Master





Setup for Client with injection at the Client

4.5 Radiated Method



4.6 Test Procedure

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

5 Test Results

5.1 Description of EUT

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

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

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

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

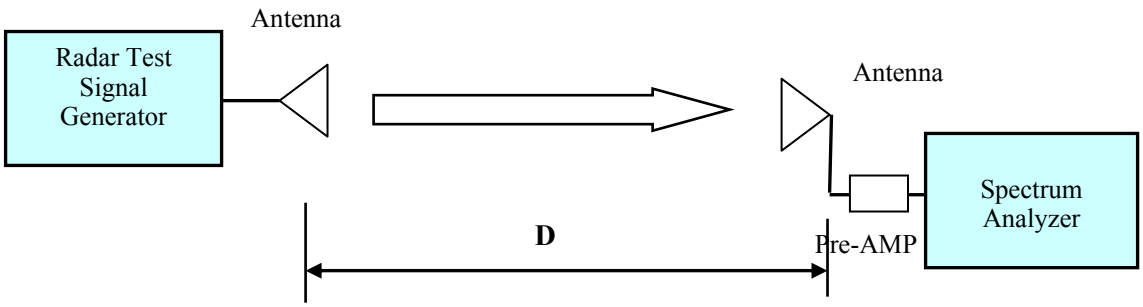
The EUT was tested with the 8 dBi gain antenna.

5.2 Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Date
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A
Agilent	Spectrum Analyzer	E4440A	MY44303352	2014-10-16/2015-10-16
A.R.A.	Antenna Horn	DRG-118/A	1132	2014-01-29/2016-01-29
EMCO	Antenna Horn	3115	9511-4627	2014-10-17/2015-10-17
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	N/A
Narda	Splitter/Combiner	4326B-2	03514	N/A
Midwest	Attenuator	290-30	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A

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

5.3 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.4 Test Environmental Conditions

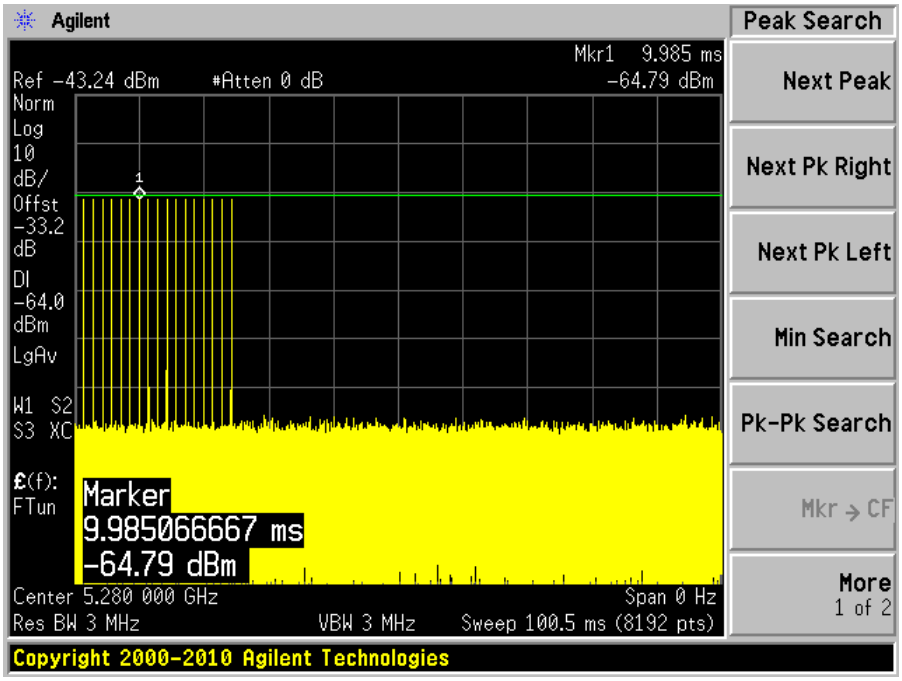
Temperature:	21 °C
Relative Humidity:	32 %
ATM Pressure:	101.76 kPa

Testing performed by Chen Ge on 2015-01-07at DFS testing site.
Testing performed by Jin Yang on 2016-03-09at DFS testing site.

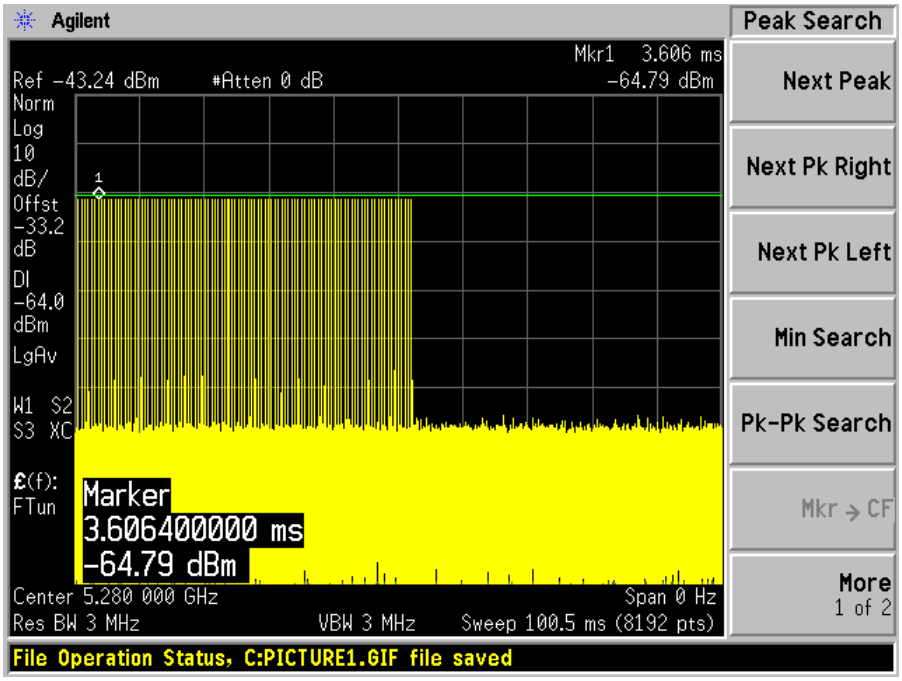
Plots of Radar Waveforms

5280 MHz

Radar Type 0



Radar Type 1A



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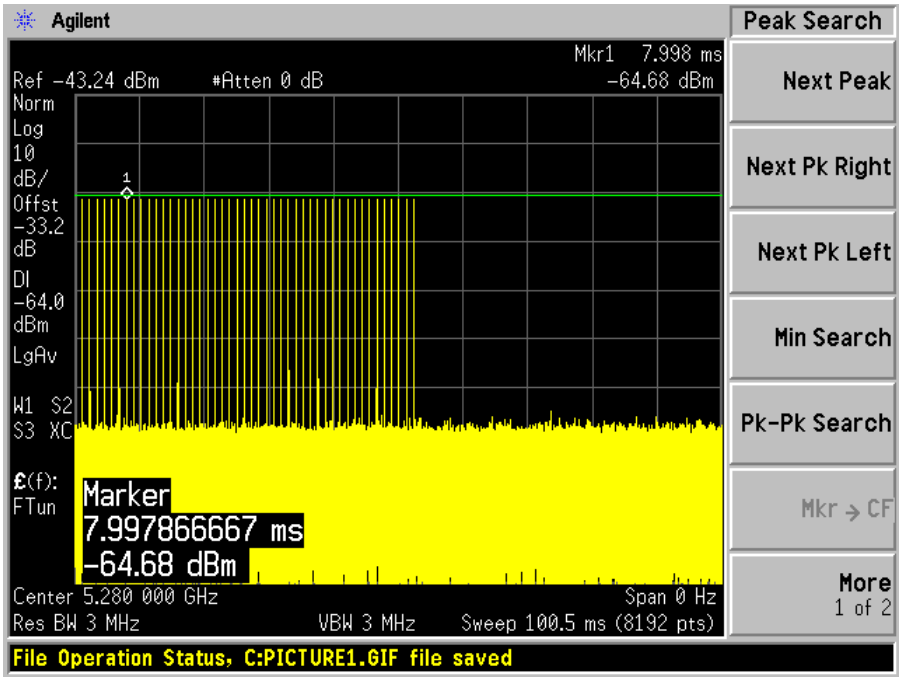
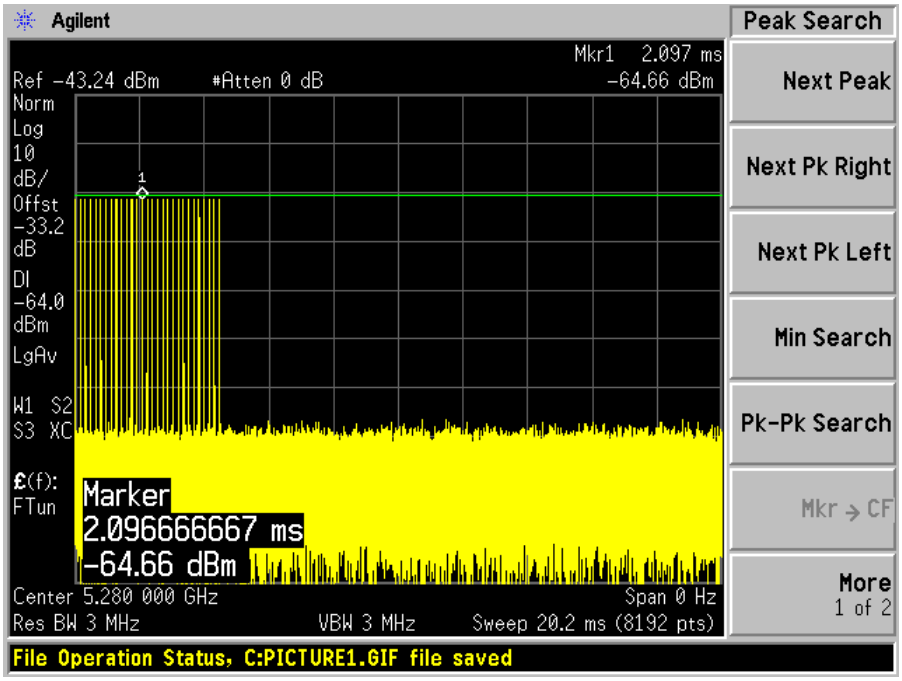
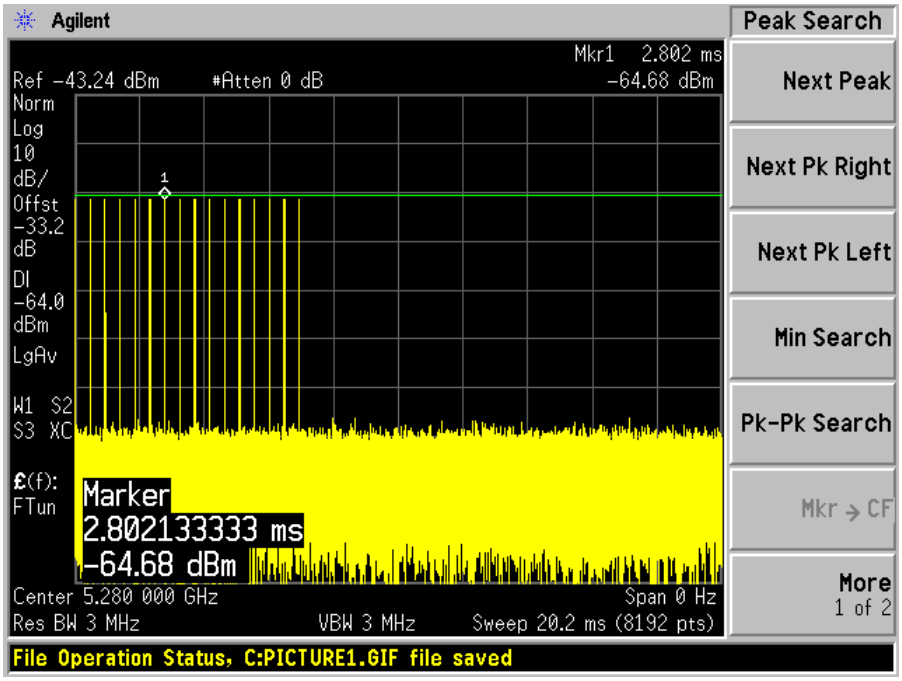


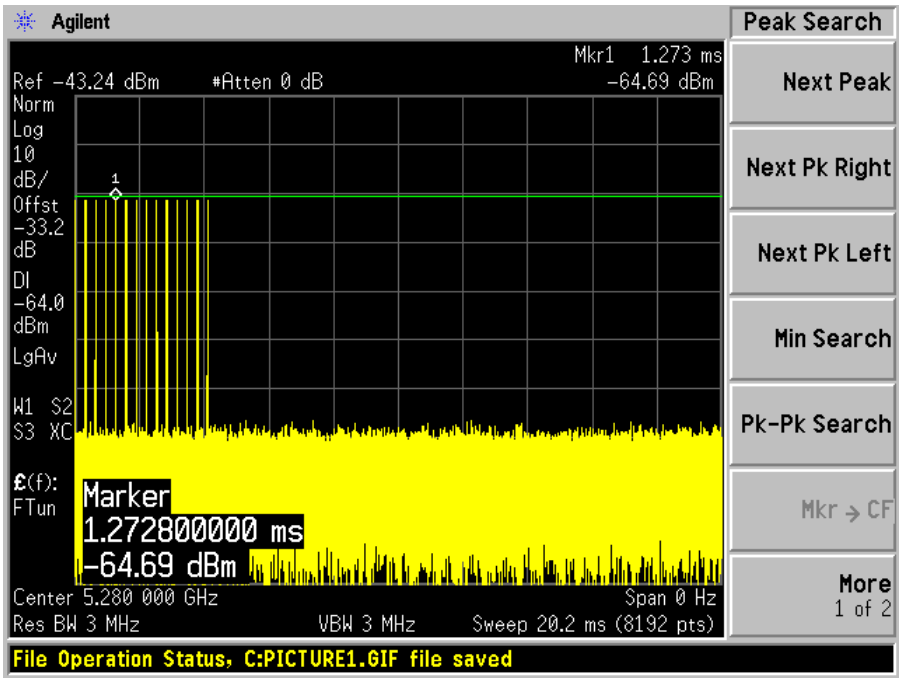
Radar Type 2



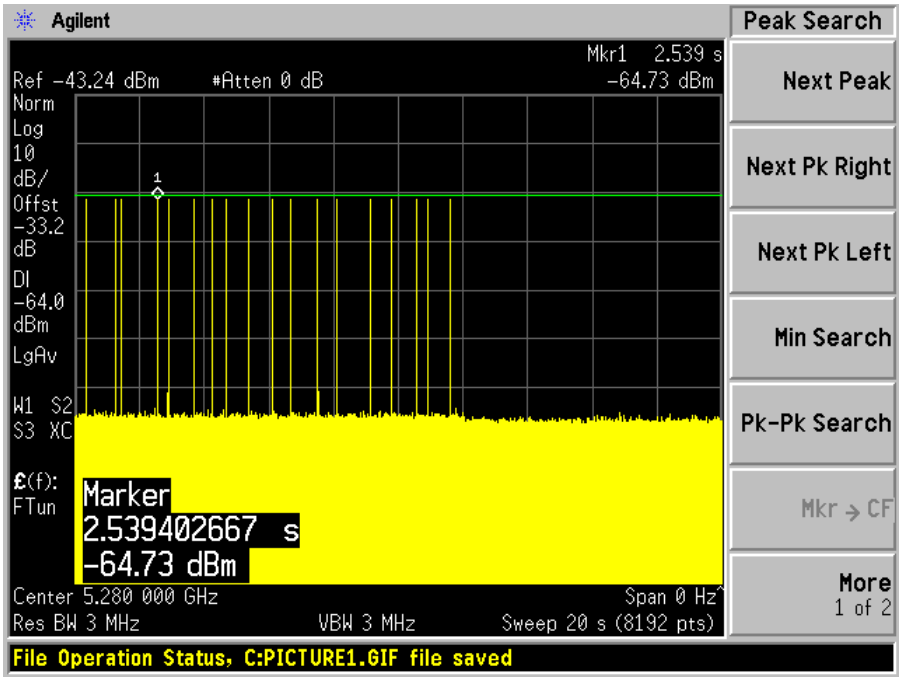
Radar Type 3



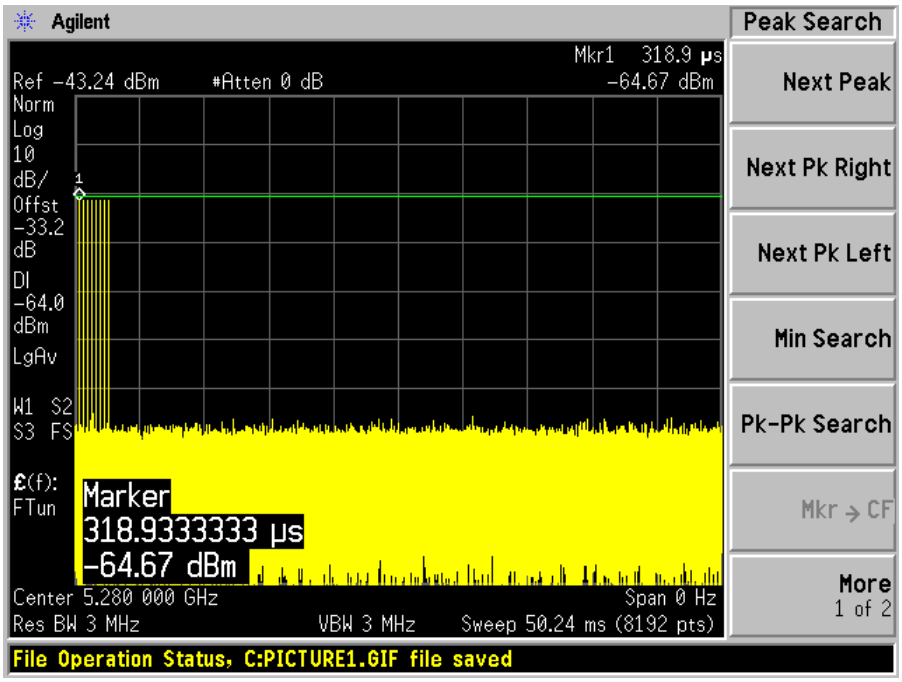
Radar Type 4



Radar Type 5

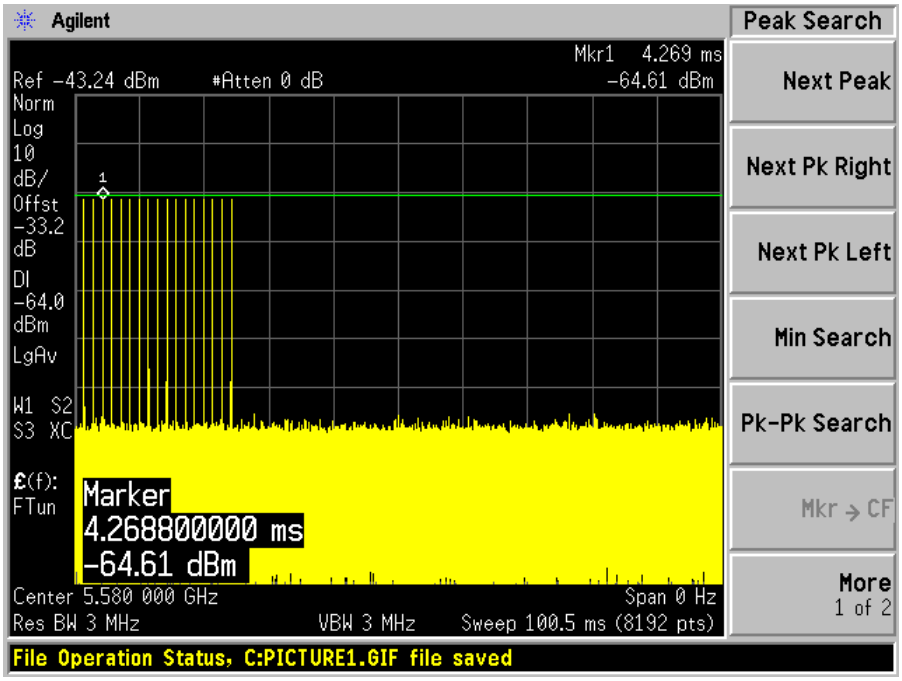


Radar Type 6

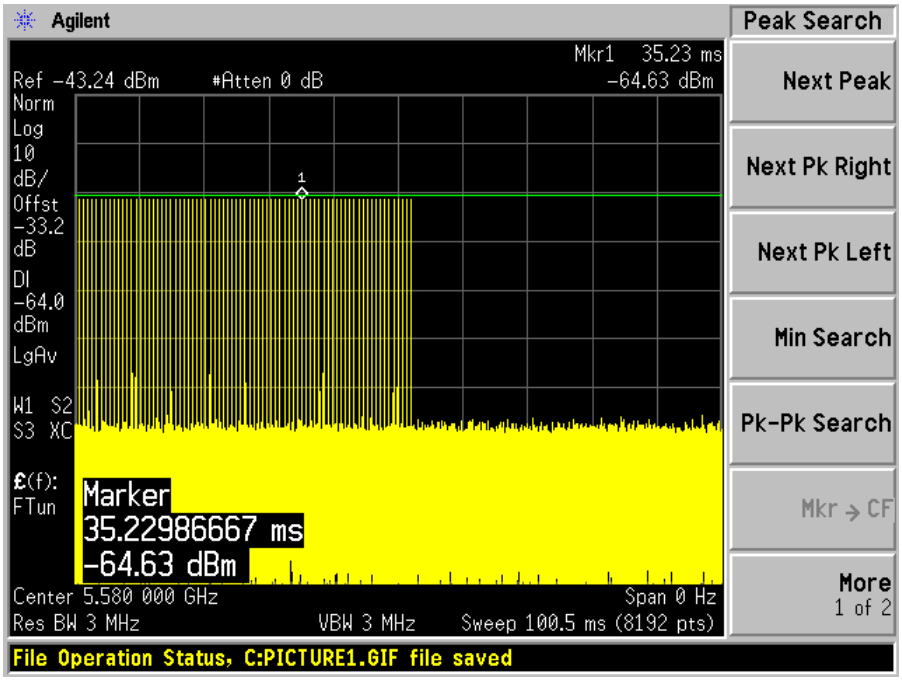


5580 MHz

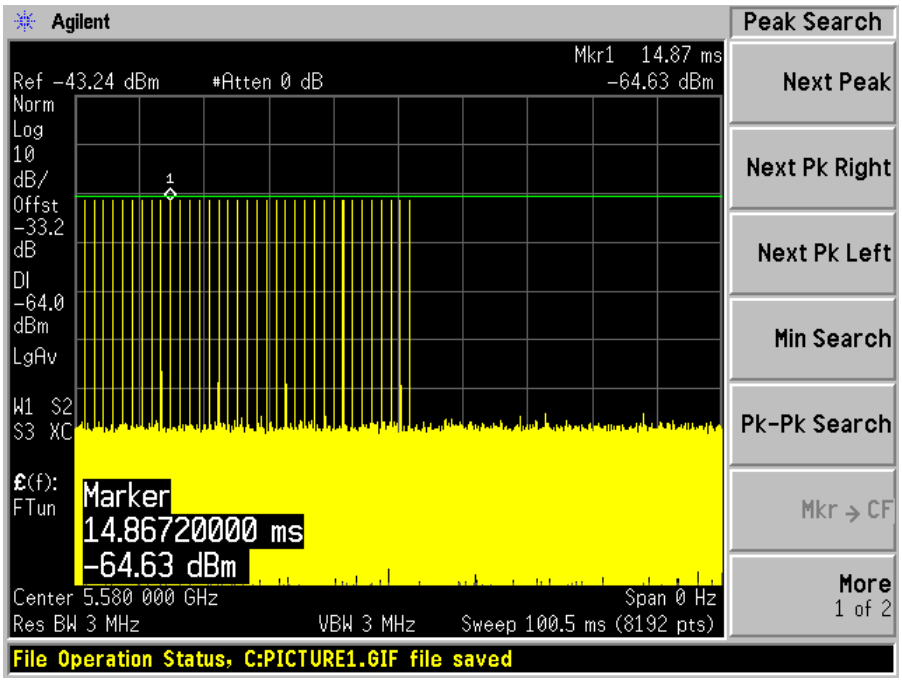
Radar Type 0



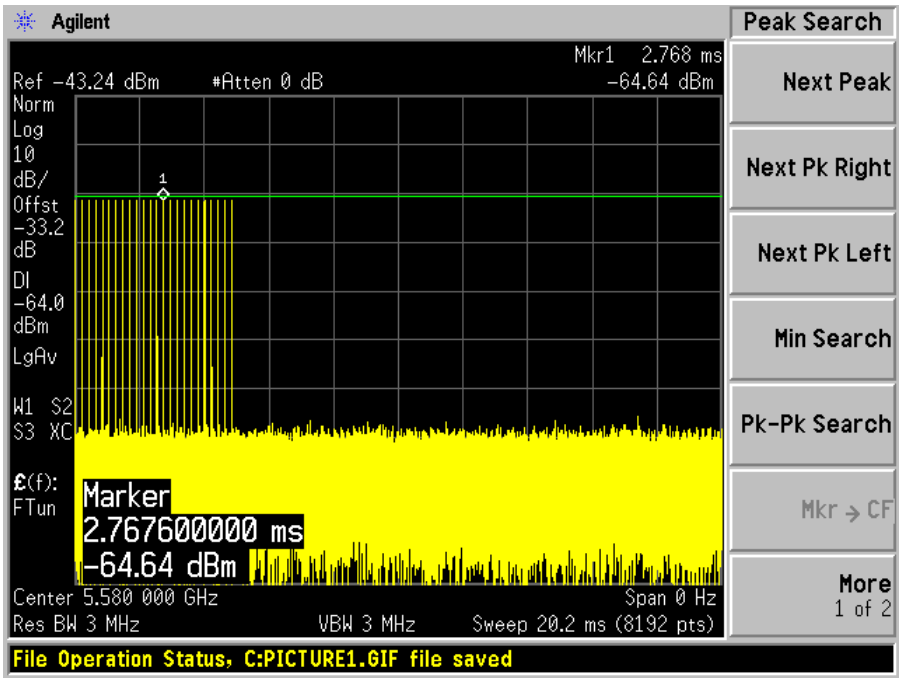
Radar Type 1A



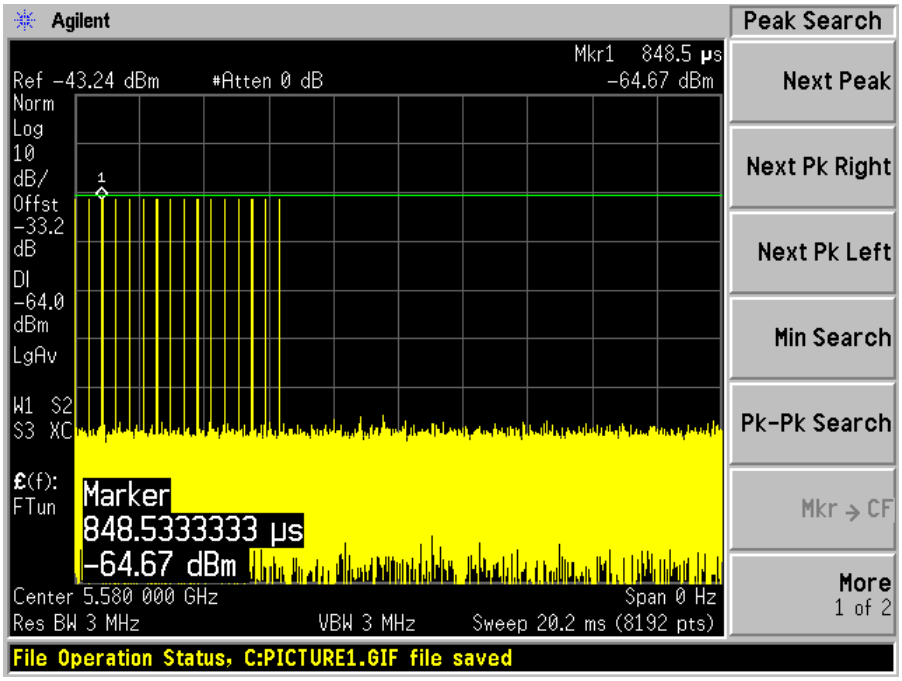
Radar Type 1B



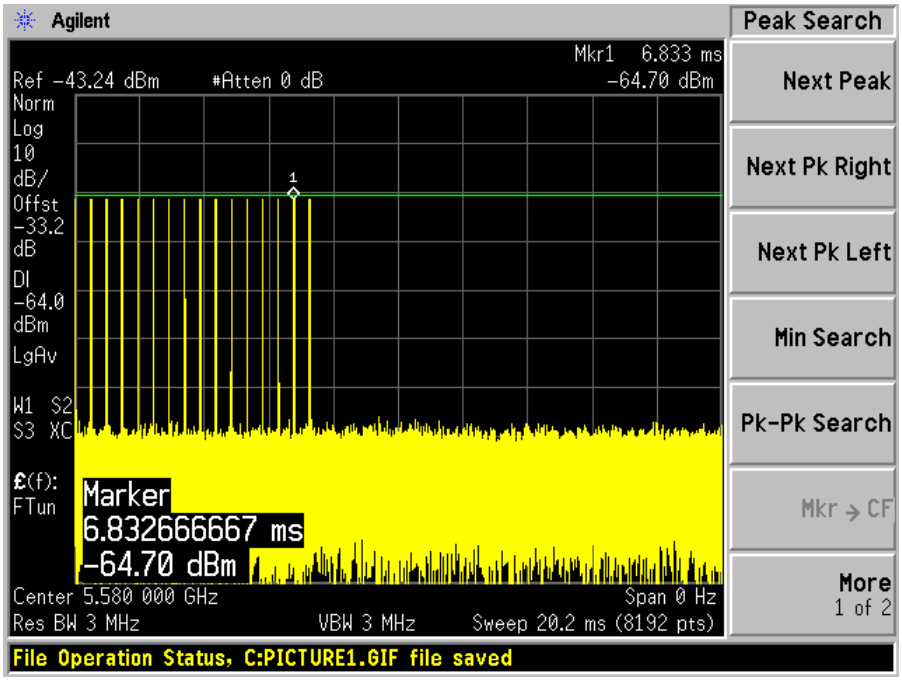
Radar Type 2



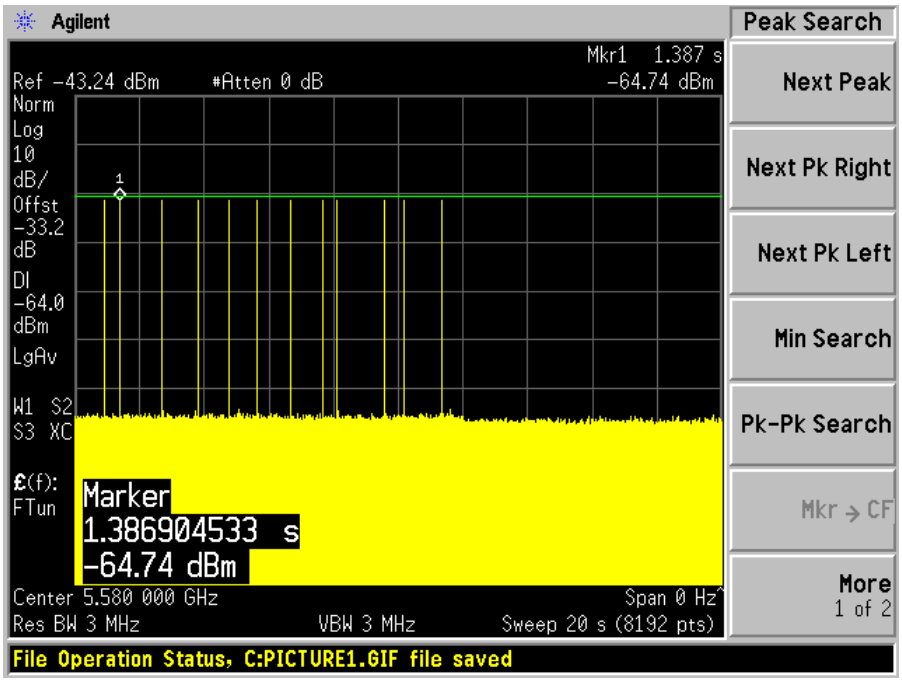
Radar Type 3



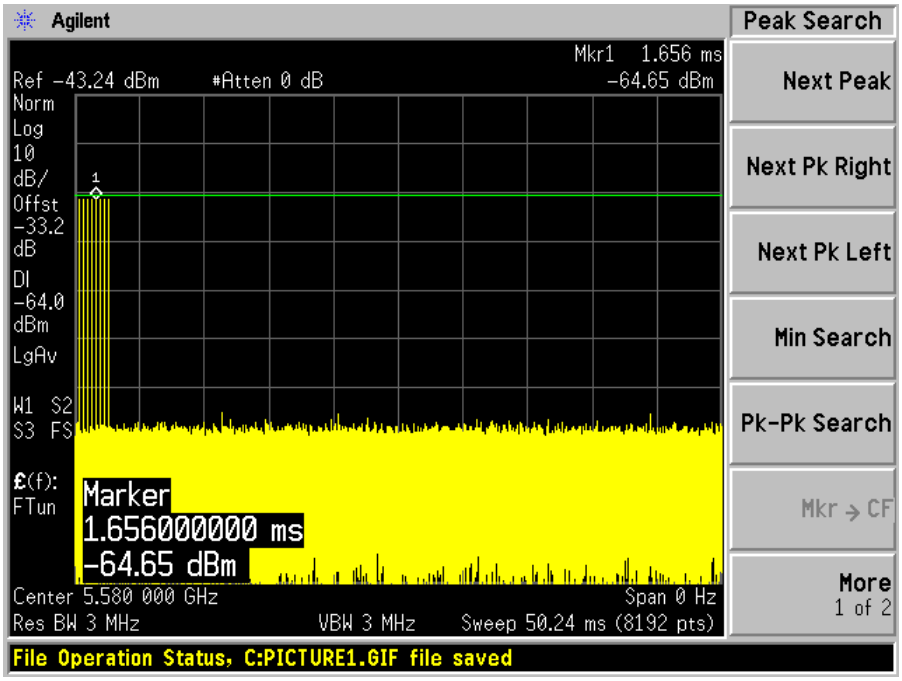
Radar Type 4



Radar Type 5



Radar Type 6



6 Channel Availability Check Time (CAC)

6.1 Test Procedure

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

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

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

EUT Initial power-up Cycle Time

5270 MHz and 5550 MHz Bandwidth 40 MHz

EUT initial Power-up cycle (Second)
35

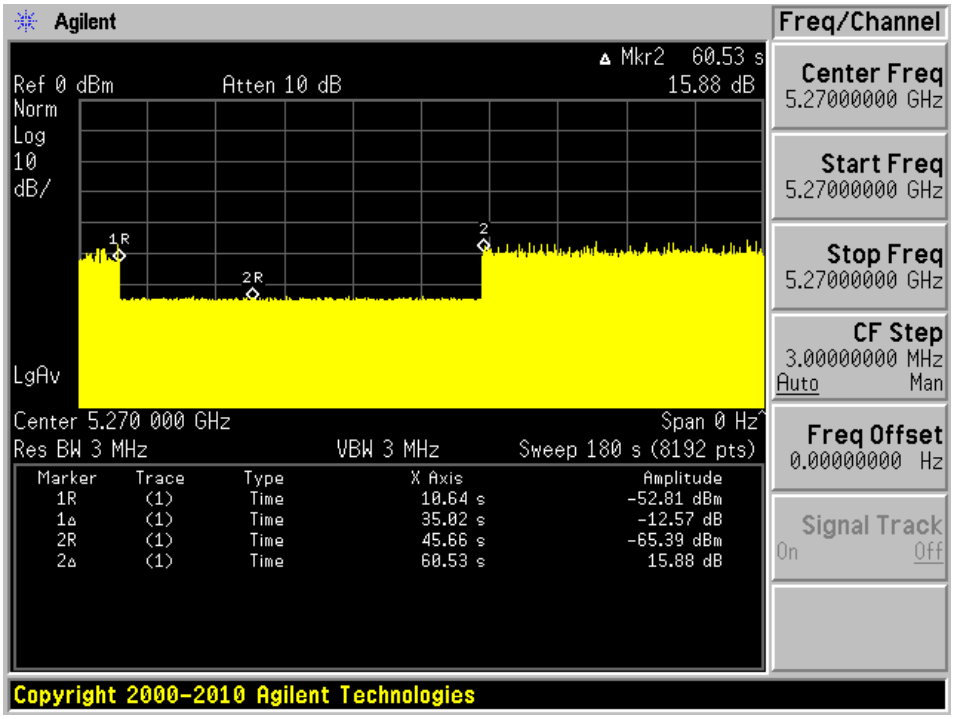
Results:

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

Please refer to the following plots.

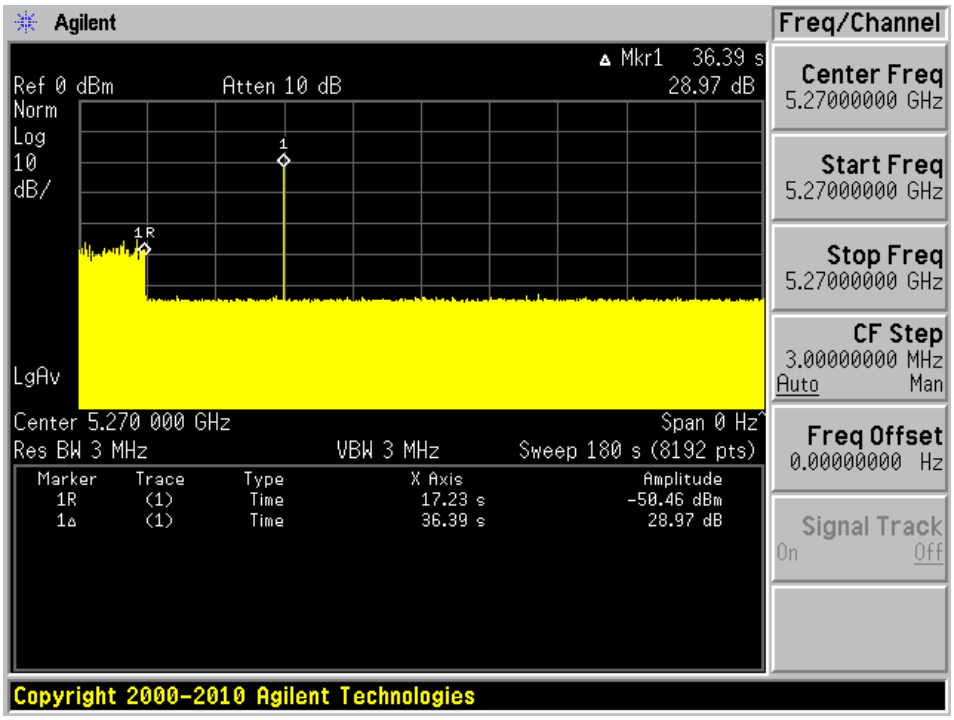
5270 MHz Bandwidth 40 MHz

Plot of without Radar signal applied



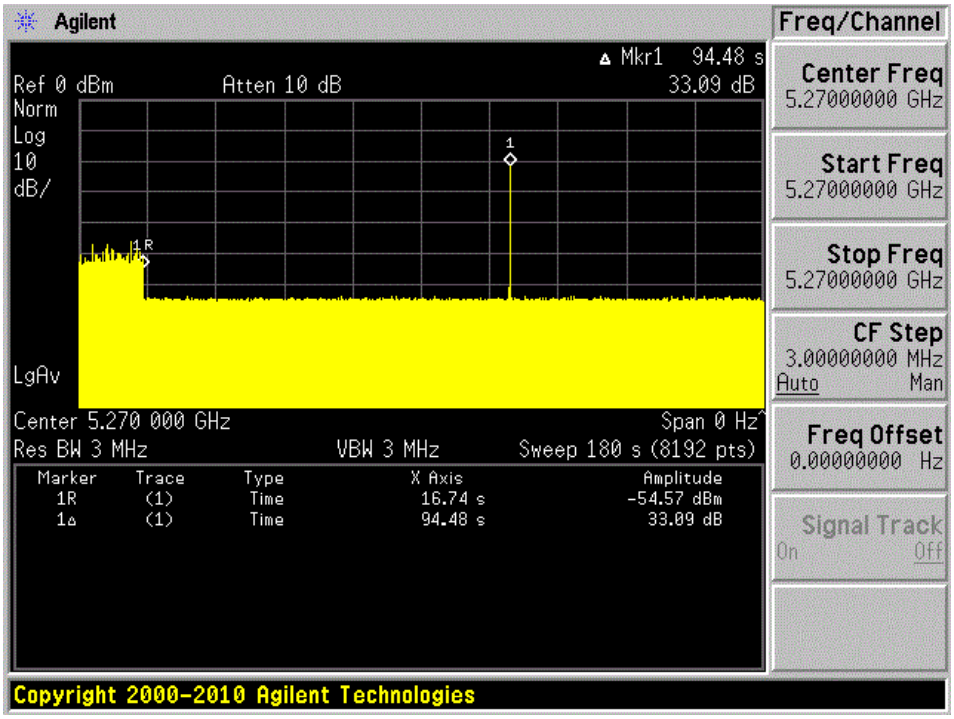
Note: The power-up cycle is 35 seconds.

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



No transmissions found after radar signal applied.

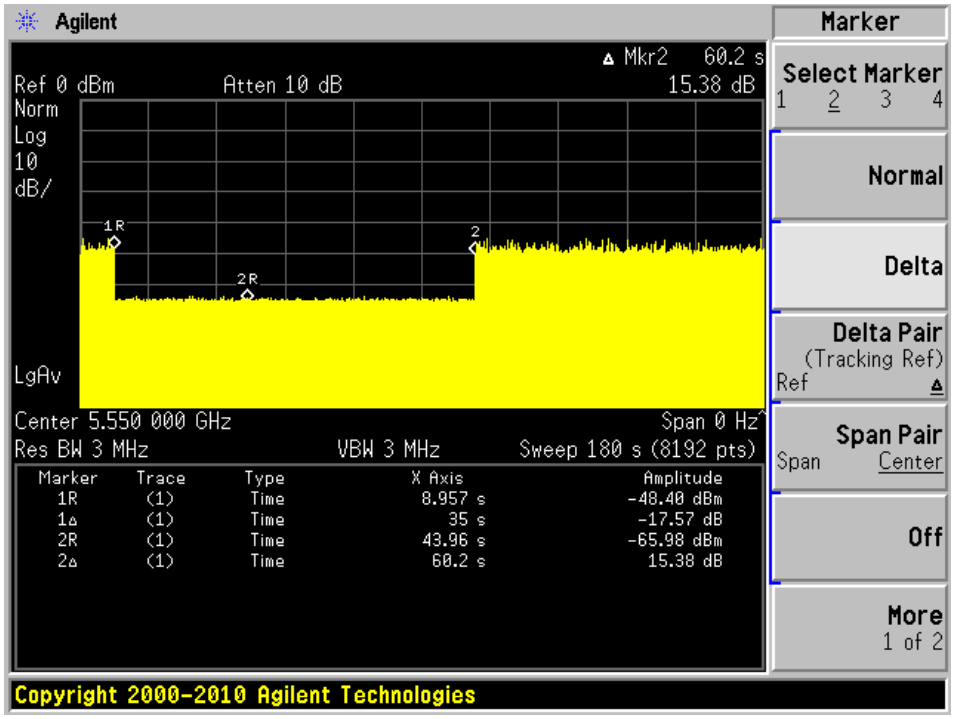
Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

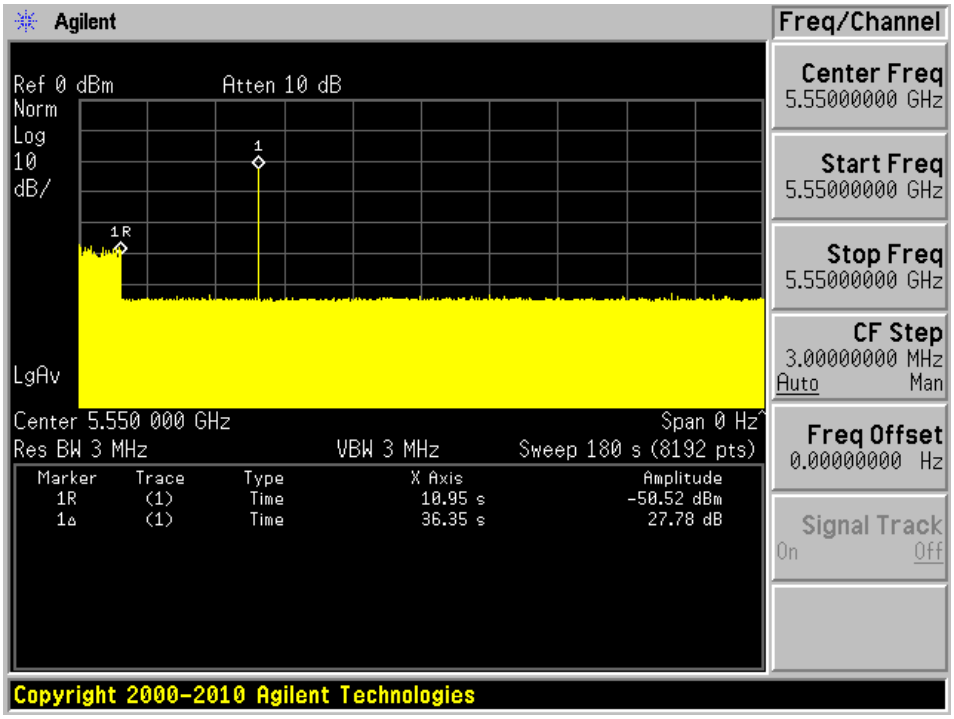
5550 MHz Bandwidth 40 MHz

Plot of without Radar signal applied



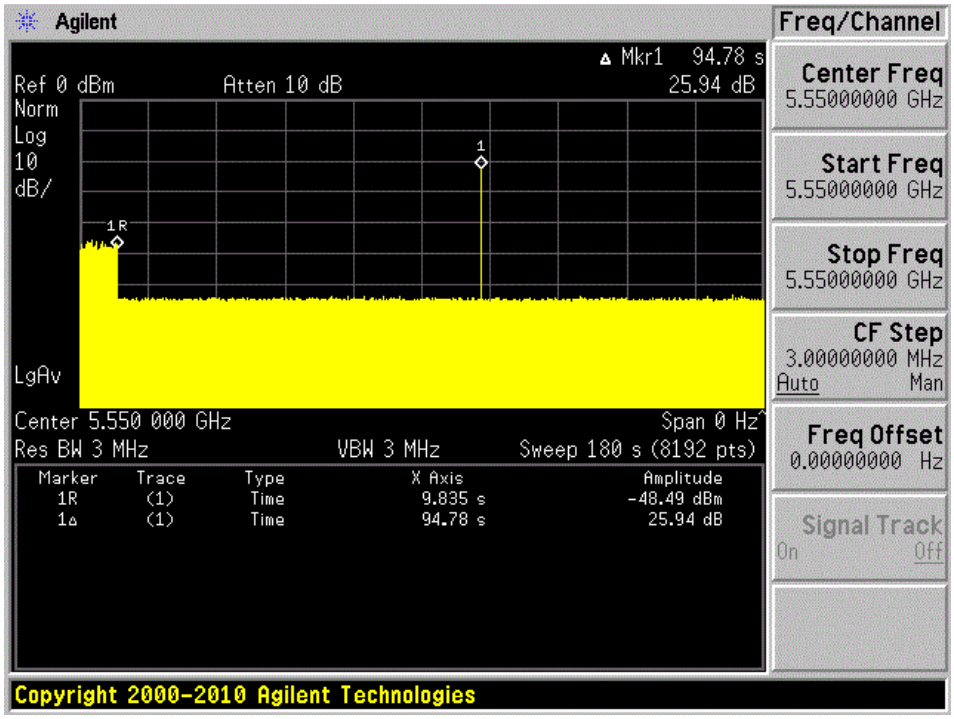
Note: The power-up cycle is 35 seconds.

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



No transmissions found after radar signal applied.

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



No transmissions found after radar signal applied.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

Perform one of the type 0 to type 4 short pulse radar waveform, BACL use type 0 radar signal, repeat using a long pulse radar type5 waveform.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N * Dwell Time

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

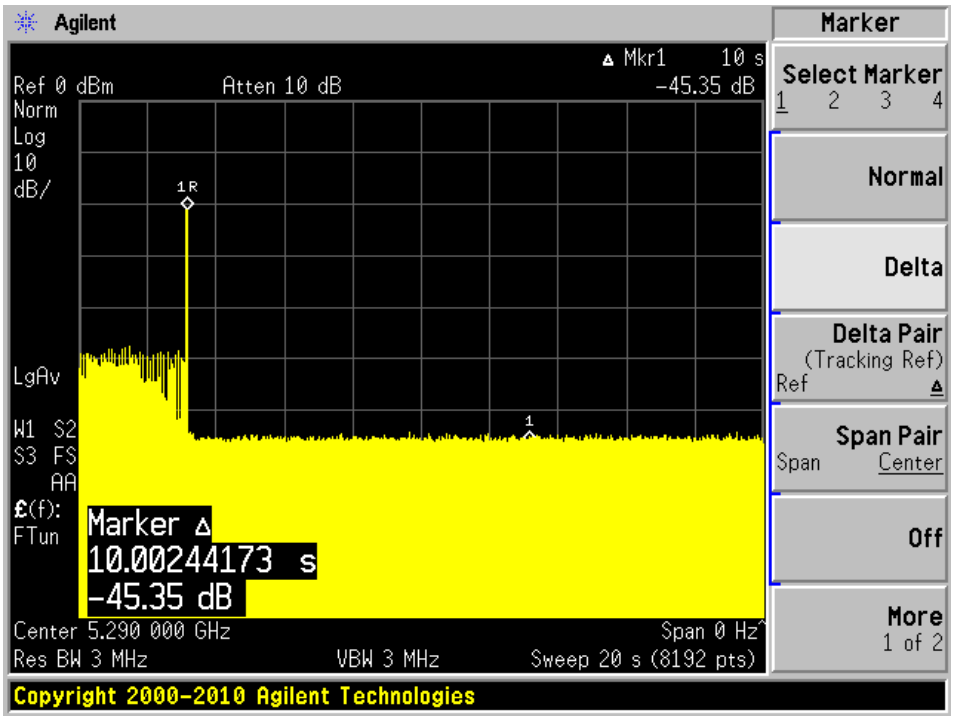
7.2 Test Results

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

Please refer to the following tables and plots.

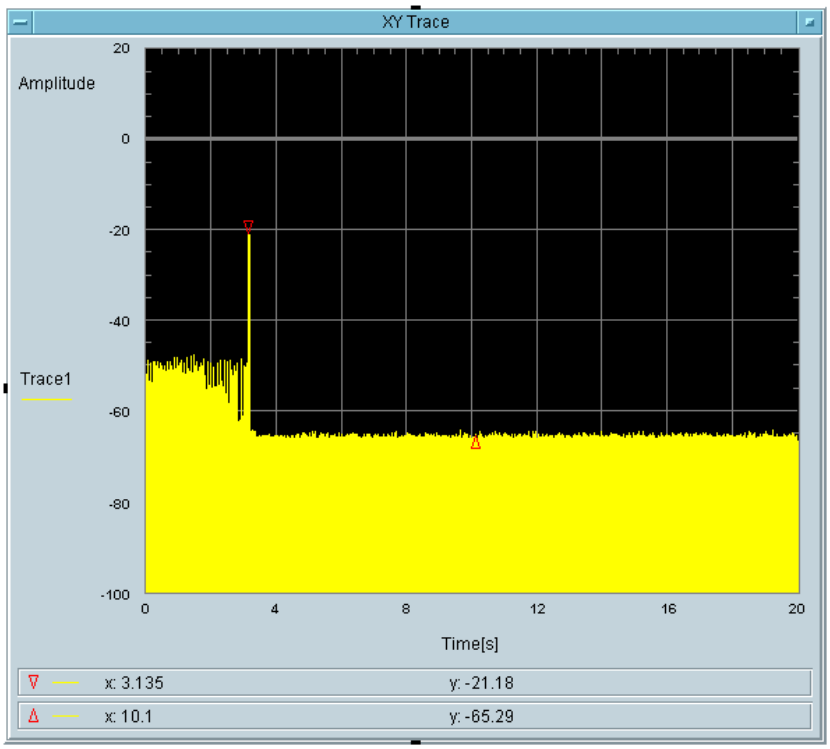
5290 MHz Bandwidth 80 MHz

Type 0 radar channel move time result:



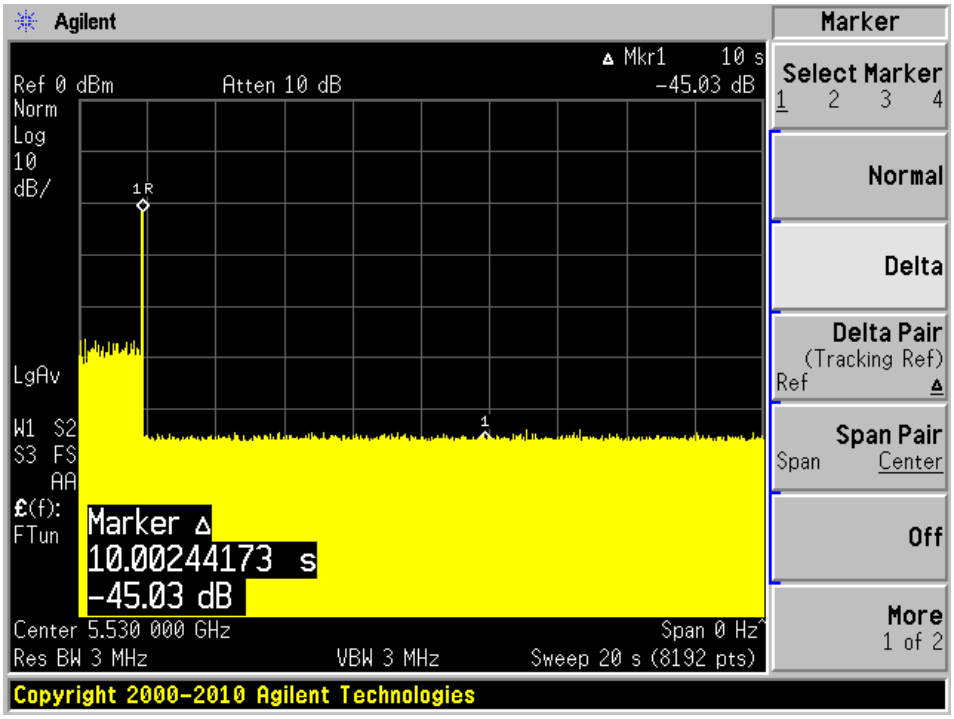
Type 0 radar channel closing transmission time result:

Frequency (MHz)	Radar Type	Channel Closing Transmission Time				Channel Move Time	
		Test	Limit	Aggregate Transmission Time	Limit	Test	Limit
5290	0	2.441 ms	200 ms	0 ms	60 ms	< 10 s	10 s



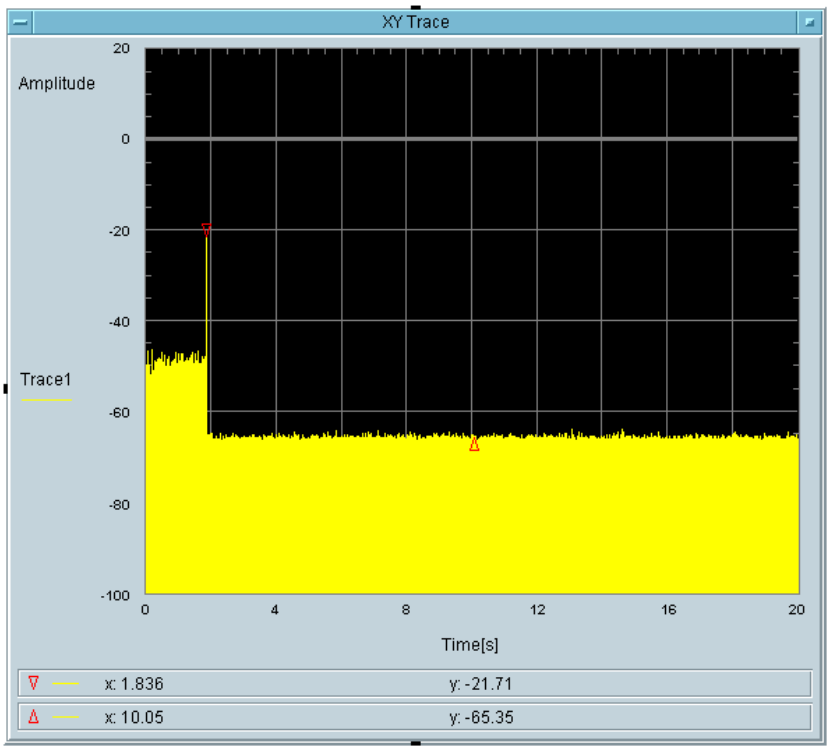
5530 MHz Bandwidth 80 MHz

Type 0 radar channel move time result:



Type 0 radar channel closing transmission time result:

Frequency (MHz)	Radar Type	Channel Closing Transmission Time				Channel Move Time	
		Test	Limit	Aggregate Transmission Time	Limit	Test	Limit
5530	0	2.441 ms	200 ms	0 ms	60 ms	< 10 s	10 s



8 Non-Occupancy Period

8.1 Test Procedure

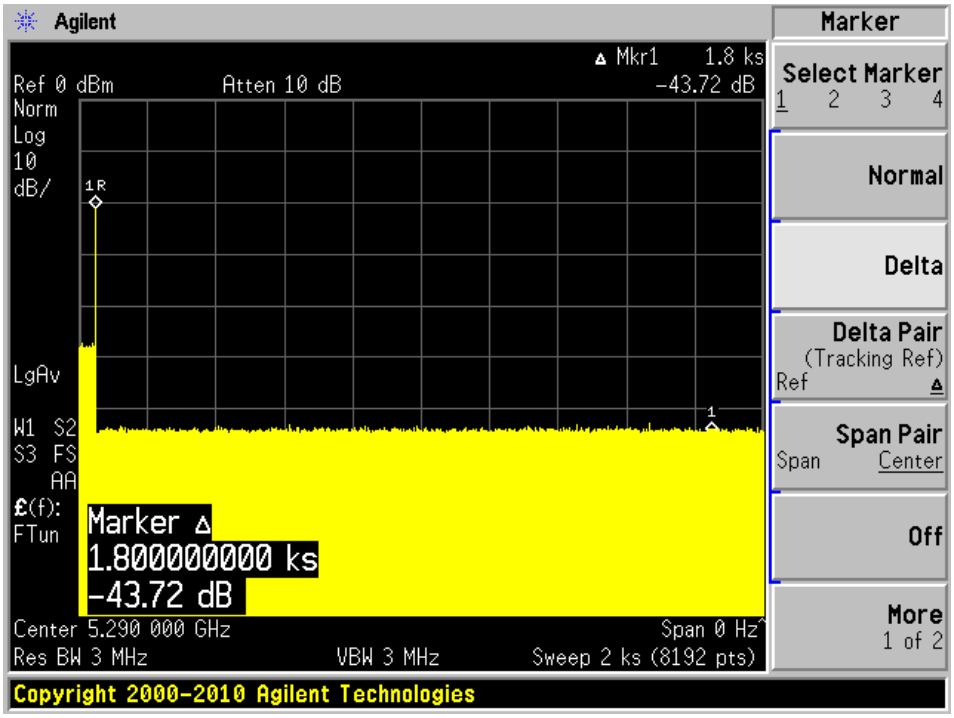
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Test Results

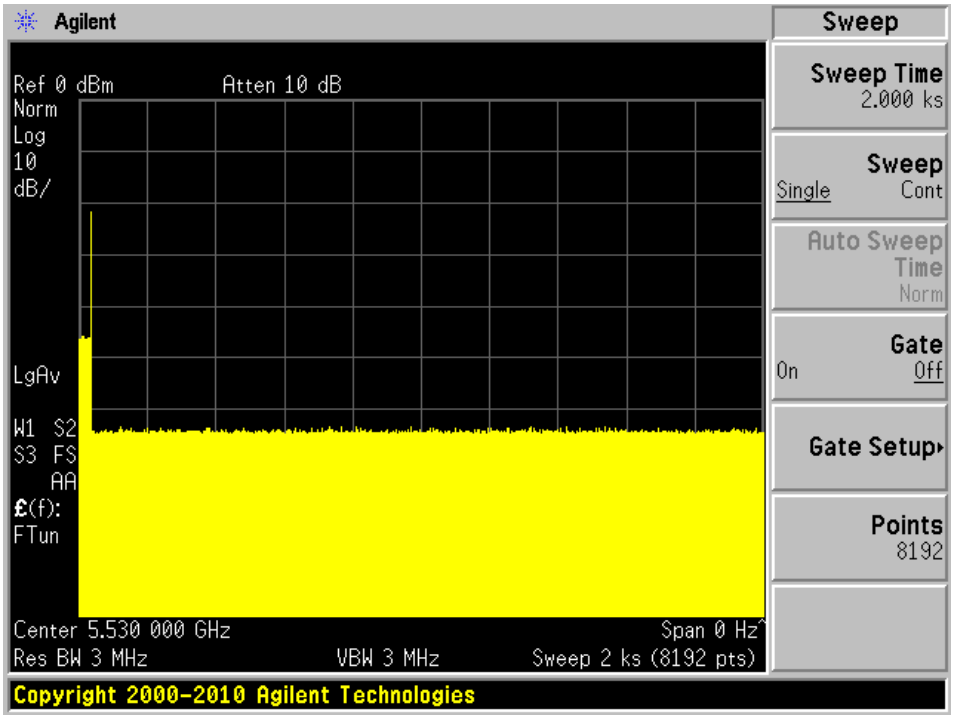
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5290	80	No transmission within 30 minutes
5530	80	No transmission within 30 minutes

Please refer to the following plots.

5290 MHz, Bandwidth 80 MHz



5530 MHz, Bandwidth 80 MHz



9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

Performed with any one of the short pulse radar waveforms (type 1A, 1B, 2, 3 or 4)

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

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

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

UNII Detection Bandwidth = F_H- F_L

Test Results

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5280	5270	5290	20	100%	Compliance
5580	5570	5590	20	100%	Compliance
5270	5250	5289	39	100%	Compliance
5550	5530	5569	39	100%	Compliance
5290	5250	5330	80	100%	Compliance
5530	5490	5570	80	100%	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(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5291	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H – F_L$=5290-5270=20 MHz											
EUT 99% OBW = 16.6741 MHz; 16.6741 x 100% = 16.6741 MHz **Result:** Pass											

EUT Frequency = 5580 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5569	0	0	0	0	0	0	0	0	0	0	0 %
5570(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5591	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H – F_L$=5590-5570=20 MHz											
EUT 99% OBW = 16.5879 MHz; 16.5879 x 100% = 16.5879 MHz **Result:** Pass											

EUT Frequency = 5270 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5291	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H – F_L$=5290-5250=40 MHz											
EUT 99% OBW = 36.7857 MHz; 36.7857 x 100% = 36.7857 MHz **Result:** Pass											

EUT Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5429	0	0	0	0	0	0	0	0	0	0	0 %
5530(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H – F_L$ =5570-5430=40 MHz											
EUT 99% OBW = 36.3159 MHz; 36.3159 x 100% = 36.3159 MHz **Result:** Pass											

EUT Frequency = 5290 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(**F_L**)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(F_H**)**	1	1	1	1	1	1	1	1	1	1	100 %
5331	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H – F_L$ =5330-5250=80 MHz											
EUT 99% OBW = 75.5421 MHz; 75.5421x100%=75.5421 MHz **Result:** Pass											

EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(**F_L**)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H – F_L$ =5570–5490=80 MHz											
EUT 99% OBW =75.6467 MHz; 75.6467 x 100% = 75.6467 MHz **Result:** Pass											

9.2 Radar Detection Performance Check

Procedure:

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

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

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

Test Results:

5280 MHz, 20 MHz Bandwidth

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

Please refer to the following statistical tables:

5280 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	99	1	538	1
2	5280	63	1	838	1
3	5280	74	1	718	1
4	5280	68	1	778	1
5	5280	58	1	918	1
6	5280	72	1	738	1
7	5280	61	1	878	1
8	5280	65	1	818	1
9	5280	95	1	558	1
10	5280	89	1	598	1
11	5280	57	1	938	1
12	5280	67	1	798	1
13	5280	86	1	618	1
14	5280	70	1	758	1
15	5280	78	1	678	1
16	5280	37	1	1447	1
17	5280	21	1	2537	1
18	5280	23	1	2315	1
19	5280	42	1	1275	1
20	5280	76	1	701	1
21	5280	47	1	1130	1
22	5280	20	1	2725	1
23	5280	23	1	2346	1
24	5280	25	1	2146	1
25	5280	47	1	1146	1
26	5280	20	1	2699	1
27	5280	21	1	2637	1
28	5280	18	1	2950	1
29	5280	21	1	2602	1
30	5280	18	1	2971	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	24	2.3	159	1
2	5280	25	4.1	193	1
3	5280	27	1.1	179	1
4	5280	29	2.7	170	1
5	5280	28	4.7	230	1
6	5280	28	2.8	229	1
7	5280	25	1.1	214	1
8	5280	24	2.8	215	1
9	5280	24	1.3	179	1
10	5280	23	1	207	1
11	5280	23	3.2	202	1
12	5280	27	3.5	206	1
13	5280	26	1.3	221	1
14	5280	27	2.1	186	1
15	5280	29	2.1	230	1
16	5280	28	3.3	180	1
17	5280	27	2.2	228	1
18	5280	29	5	162	1
19	5280	24	3.1	158	1
20	5280	28	1.2	208	1
21	5280	29	2	160	1
22	5280	25	4.4	199	1
23	5280	24	1	173	1
24	5280	27	3	150	1
25	5280	25	4.4	211	1
26	5280	24	2.4	225	1
27	5280	29	1.8	206	1
28	5280	25	4.1	227	1
29	5280	27	4.9	193	1
30	5280	27	4.5	225	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	18	9.7	335	1
2	5280	16	7.9	308	1
3	5280	18	6.9	268	1
4	5280	17	7.6	231	1
5	5280	18	6.9	467	1
6	5280	17	9.3	258	1
7	5280	18	7.4	315	1
8	5280	16	8.3	338	1
9	5280	17	9.5	214	1
10	5280	18	7.2	312	1
11	5280	18	8.9	386	1
12	5280	17	7.7	459	1
13	5280	18	6.7	348	1
14	5280	17	9.4	339	1
15	5280	16	6.1	387	1
16	5280	17	9.8	483	1
17	5280	18	7.5	379	1
18	5280	17	9.4	330	1
19	5280	18	6.3	294	1
20	5280	17	8.8	487	1
21	5280	18	6.1	402	1
22	5280	18	8.8	434	1
23	5280	18	9.8	297	1
24	5280	17	7.5	224	1
25	5280	16	6	364	1
26	5280	18	8.4	228	1
27	5280	16	9.5	359	1
28	5280	16	8	483	1
29	5280	17	6.9	482	1
30	5280	18	10	254	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	15	14.7	233	1
2	5280	13	14.9	247	1
3	5280	13	15.9	226	1
4	5280	12	14.8	415	1
5	5280	16	15.9	200	1
6	5280	13	13	335	1
7	5280	13	12.2	274	1
8	5280	13	16.3	209	1
9	5280	12	16.1	347	1
10	5280	14	16	201	1
11	5280	16	18.6	246	1
12	5280	12	16	385	1
13	5280	15	13.3	302	1
14	5280	14	11.8	442	1
15	5280	12	12.2	213	1
16	5280	16	13.8	483	1
17	5280	13	11.5	321	1
18	5280	15	15.4	385	1
19	5280	16	19.7	251	1
20	5280	15	16.1	239	1
21	5280	13	16.1	470	1
22	5280	14	14.6	257	1
23	5280	12	18.3	210	1
24	5280	14	12.7	323	1
25	5280	12	18.2	228	1
26	5280	14	15.2	461	1
27	5280	12	15.1	219	1
28	5280	15	14.7	261	1
29	5280	16	16.1	378	1
30	5280	16	18.3	487	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5288 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	95.1			0.132829	1
1	1	8	94.2			1.052735	
2	3	7	60.8	1744	1475	1.759205	
3	2	14	52.6	1614		2.054951	
4	3	17	78.2	1052	1047	3.115421	
5	2	15	50.4	1752		3.661185	
6	2	13	67.9	1506		4.08923	
7	2	7	86	1040		4.965452	
8	1	17	65.2			5.350333	
9	1	12	59.5			6.650011	
10	2	5	93.7	1161		6.684514	
11	3	18	68.1	1830	1383	7.771615	
12	3	18	96.8	1599	1617	8.337956	
13	2	12	62.3	1541		8.679897	
14	1	11	93.7			9.994802	
15	3	6	64.6	1008	1090	10.580274	
16	3	10	69.9	1062	1808	10.927283	
17	3	5	94.3	1494	1995	11.825934	

Bin5 Statistics 2

CF=5276 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	1838	1207	0.140813	1
1	2	19	79.1	1045		1.050525	
2	1	7	78.3			1.715002	
3	2	18	99.3	1965		2.150303	
4	2	13	86.5	1209		2.926978	
5	3	6	84.6	1696	1461	3.009463	
6	2	7	53.7	1287		3.67751	
7	2	17	51.4	1867		4.430318	
8	2	11	83.2	1315		4.888875	
9	1	5	69			5.727836	
10	1	13	74.6			6.030335	
11	3	16	87.9	1228	1962	7.08346	
12	2	5	58.2	1639		7.443381	
13	3	11	65.3	1479	1824	8.080851	
14	2	11	55.2	1600		8.591481	
15	2	15	55.7	1263		9.343174	
16	2	8	55.9	1049		9.79249	
17	2	9	92.8	1191		10.510036	
18	2	7	70.2	1719		10.853122	
19	2	8	75.7	1995		11.556932	

Bin5 Statistics 3

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	6	92.7	1123		0.527905	1
1	1	16	84.3			1.065316	
2	2	10	83.2	1438		1.568851	
3	2	10	96.6	1298		1.993212	
4	1	13	64.9			2.961497	
5	3	17	65.3	1817	1020	3.760104	
6	2	15	76.7	1080		4.334466	
7	1	5	71.2			4.978484	
8	2	17	51	1890		5.407235	
9	2	8	85.6	1321		5.920344	
10	2	14	51	1811		6.403568	
11	3	19	80.7	1614	1446	7.411618	
12	2	6	96	1452		7.847715	
13	2	7	75.5	1859		8.39248	
14	3	14	51.1	1209	1549	9.26593	
15	1	19	76.6			9.938567	
16	1	16	58.4			10.57379	
17	3	13	73	1582	1596	11.146209	
18	2	9	65.6	1833		11.421636	

Bin5 Statistics 4

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	12	79.3	1375		0.398049	
1	2	6	81.8	1120		1.562354	
2	3	18	88.5	1161	1190	2.209514	
3	1	10	92.3			2.712618	
4	2	19	97	1023		3.494842	
5	2	13	98	1198		4.044203	
6	2	15	60.1	1449		4.936127	
7	3	9	56.9	1345	1851	5.705738	1
8	2	5	91.4	1957		7.054917	
9	2	5	72.9	1368		7.806356	
10	1	17	79.5			8.085103	
11	2	5	70	1510		8.893249	
12	1	16	88.8			9.99768	
13	2	17	62.4	1188		10.783044	
14	1	19	50.7			11.244551	

Bin5 Statistics 5

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	1	18	63.7			0.160655	1
1	2	17	66.4	1941		0.745911	
2	2	15	51.3	1137		1.345112	
3	3	8	59.1	1118	1342	2.100526	
4	3	17	99.1	1281	1702	3.012997	
5	3	11	60.8	1402	1828	3.648275	
6	2	8	52.6	1177		4.240794	
7	2	14	77.2	1237		4.885745	
8	1	9	85.7			5.20716	
9	2	12	83.5	1144		5.898245	
10	1	14	58.6			6.822968	
11	2	15	65.4	1925		7.199574	
12	1	9	99.9			8.079862	
13	2	8	66	1984		8.380925	
14	2	19	95.1	1255		8.980577	
15	2	18	63.7	1821		9.982572	
16	2	12	80.4	1078		10.121732	
17	2	14	52	1878		10.886029	
18	2	16	77.4	1095		11.813902	

Bin5 Statistics 6

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	1	13	93.8		0	0.828495	1
1	2	14	91.4	1396	0	1.976765	
2	2	10	51.4	1238	0	2.415848	
3	2	10	84	1966	0	4.484271	
4	2	10	50.4	1450	0	5.72199	
5	3	13	99.8	1406	1638	7.072711	
6	3	9	82.1	1553	1316	7.936589	
7	1	5	94.1		0	8.884424	
8	2	17	74.8	1881	0	9.92849	
9	2	9	89.4	1110	0	11.317185	

Bin5 Statistics 7

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	2	12	78.3	1967		0.570455	1
1	1	16	63.9			1.135807	
2	3	8	52	1291	1736	1.833607	
3	3	17	88.8	1787	1081	2.599374	
4	2	8	88.9	1932		2.766804	
5	2	7	76.1	1347		3.469739	
6	2	6	65.1	1255		4.590475	
7	1	19	69			4.72035	
8	1	11	70.6			5.783715	
9	2	16	88.5	1568		6.584198	
10	2	19	93.7	1106		7.028679	
11	1	14	63.8			7.794958	
12	3	7	94.6	1719	1846	8.413648	
13	2	9	56.5	1986		9.090502	
14	2	12	95.9	1366		9.710646	
15	2	8	79.6	1389		10.289862	
16	2	13	51.1	1305		10.796161	
17	1	17	58			11.545255	

Bin5 Statistics 8

CF=5273 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	64.9	1484		0.011602	1
1	2	19	81.1	1302		1.824744	
2	1	16	68.3			2.169539	
3	2	11	81.9	1040		3.835815	
4	2	16	81.5	1785		4.43222	
5	2	10	87.7	1577		5.631365	
6	1	6	68.4			6.776325	
7	2	11	58.7	1909		7.71544	
8	2	11	77.5	1841		8.604272	
9	2	5	99.1	1623		9.863021	
10	3	18	60.6	1295	1287	10.319304	
11	3	15	96.7	1299	1519	11.240699	

Bin5 Statistics 9

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	1	9	98.3			0.555218	1
1	1	13	99.5			1.259398	
2	2	9	74	1092		2.679115	
3	3	6	94.3	1054	1858	3.569793	
4	3	17	54.4	1301	1384	4.230695	
5	3	7	54.4	1329	1799	5.096012	
6	2	14	89.9	1495		6.563953	
7	1	15	93.8			7.231926	
8	2	20	94.5	1531		8.434464	
9	2	10	68.9	1009		9.631924	
10	2	6	79.1	1545		10.08801	
11	2	10	74.5	1197		11.028487	

Bin5 Statistics 10

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	1	19	87.9			0.403776	
1	3	18	51.9	1249	1274	1.674467	
2	3	11	65.2	1728	1178	3.108877	
3	2	9	94.1	1503		4.205599	
4	2	10	88.4	1175		4.542903	
5	2	13	75.3	1449		6.253415	1
6	2	9	98.5	1836		6.587147	
7	1	8	78.6			7.718132	
8	1	6	55.8			9.813976	
9	3	15	86.4	1244	1436	9.922984	
10	2	18	73.5	1372		11.160741	

Bin5 Statistics 11

CF=5273 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	18	62.3			0.275815	
1	1	18	56.2			0.857046	
2	1	8	80.5			1.81075	
3	2	9	86.2	1130		2.359738	
4	3	9	61.3	1267	1323	2.713943	
5	2	20	88.9	1946		3.668386	
6	1	9	97.9			3.941324	
7	2	20	72.1	1976		4.805336	
8	1	11	74			5.343583	
9	2	16	68	1096		5.910427	1
10	3	6	87.9	1945	1240	6.913797	
11	3	7	91.5	1065	1974	7.566927	
12	3	10	92	1022	1922	7.78489	
13	3	16	87	1963	1536	8.338945	
14	1	5	55.7			8.923572	
15	1	17	72.6			9.982816	
16	3	12	53.3	1282	1144	10.268528	
17	2	9	96.6	1412		10.887195	
18	1	16	93.2			11.780156	

Bin5 Statistics 12

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	1	16	87.7			0.0654	
1	3	13	98	1640	1496	0.963023	
2	3	9	90.7	1195	1067	1.535777	
3	1	9	79.8			2.043147	
4	2	10	80.1	1456		2.8718	
5	2	6	69.1	1119		3.560905	
6	2	9	75.4	1556		4.090625	
7	1	6	60.6			4.917366	
8	2	6	61.4	1221		5.384031	
9	1	12	51.6			6.137885	1
10	2	11	71.5	1862		6.44192	
11	2	11	85.9	1849		7.144532	
12	2	9	69.8	1753		7.91194	
13	2	7	90.3	1884		8.816192	
14	1	10	77.9			8.923832	
15	3	20	93.2	1266	1560	9.806229	
16	1	7	61.8			10.231547	
17	2	8	60.9	1483		10.915424	
18	1	6	80.9			11.452701	

Bin5 Statistics 13

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	13	93.5	1050		0.797789	1
1	1	10	95.8			1.945433	
2	2	10	56.6	1137		3.027546	
3	1	7	74.4			3.545172	
4	2	6	63.5	1209		5.121228	
5	2	18	71.6	1984		6.256788	
6	2	18	86.1	1817		6.684145	
7	2	13	73.1	1404		8.399407	
8	2	9	63.4	1952		9.783007	
9	3	7	91.2	1948	1938	10.486645	
10	3	15	71.1	1674	1192	11.107751	

Bin5 Statistics 14

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	13	82.7			0.564812	1
1	2	11	77.6	1131		1.402289	
2	2	20	66.7	1821		2.513676	
3	2	7	59.2	1215		3.688245	
4	3	13	87.5	1137	1827	4.913791	
5	2	7	87.3	1779		6.358208	
6	2	20	94.3	1375		7.774313	
7	2	6	76.3	1744		8.492915	
8	1	12	96.5			9.692605	
9	3	9	70	1429	1776	11.946235	

Bin5 Statistics 15

CF=5276 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	80.1	1597		0.029055	1
1	2	9	80.9	1351		1.161686	
2	2	12	74.7	1321		1.838699	
3	3	13	75.6	1513	1339	2.683581	
4	2	16	88.7	1344		3.762601	
5	3	9	64.7	1566	1013	4.692403	
6	2	6	85.9	1879		5.200932	
7	2	17	94.7	1119		5.750495	
8	1	8	53.9			7.04227	
9	3	6	88.2	1439	1944	7.553505	
10	3	10	97.7	1709	1483	8.249035	
11	3	6	52.8	1458	1866	9.126966	
12	3	11	98.3	1849	1171	9.601336	
13	2	13	98.5	1656		10.667225	
14	1	18	65			11.643732	

Bin5 Statistics 16

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	3	12	76.9	1881	1758	0.016717	1
1	2	19	74	1470		0.759807	
2	2	7	78.1	1572		2.167061	
3	2	15	71.5	1613		2.275202	
4	2	12	81.2	1792		3.259566	
5	2	12	79.3	1344		4.322674	
6	1	11	69.2			5.14533	
7	1	6	60.2			5.616328	
8	3	9	77.5	1018	1834	6.333583	
9	1	9	57.1			7.081469	
10	1	17	93			8.014721	
11	3	19	88.8	1677	1497	8.872925	
12	1	7	71			9.321065	
13	1	19	67.3			10.351189	
14	3	19	53.4	1217	1395	10.85417	
15	2	15	91.7	1370		11.869659	

Bin5 Statistics 17

CF=5273 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	1033		0.764226	1
1	1	9	94.2			2.769303	
2	2	8	84	1013		3.727611	
3	2	7	76.3	1554		5.654823	
4	2	6	89.1	1458		6.526331	
5	2	14	84.4	1456		8.49832	
6	2	7	95.2	1884		10.473367	
7	1	13	73.3			11.907005	

Bin5 Statistics 18

CF=5276 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	65	1008		0.223307	1
1	3	18	56.8	1728	1444	0.606018	
2	2	14	87.5	1890		1.41651	
3	3	10	52.9	1355	1095	2.045869	
4	2	11	96.2	1359		2.599052	
5	1	17	84.8			3.414112	
6	1	5	67.1			4.177216	
7	2	15	54.2	1211		4.547043	
8	2	15	68.2	1890		4.881084	
9	2	18	55.9	1474		5.950044	
10	2	6	50.5	1221		6.504914	
11	1	9	62.2			6.613428	
12	1	18	75.7			7.621787	
13	2	18	61	1980		8.231758	
14	3	20	59.1	1442	1856	8.666109	
15	2	13	99.2	1382		9.47597	
16	1	15	77.9			9.93569	
17	1	10	79.5			10.648188	
18	2	18	97.7	1805		10.88085	
19	3	11	60.3	1356	1660	11.992046	

Bin5 Statistics 19

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	19	74			0.421635	1
1	2	8	89.5	1649		1.229159	
2	2	17	80.2	1830		1.352011	
3	2	18	75.3	1749		2.49534	
4	2	12	68.2	1223		2.690205	
5	2	9	69.1	1506		3.562819	
6	1	15	73.6			4.369899	
7	3	19	89.7	1973	1864	5.130663	
8	1	13	70.9			5.821236	
9	1	19	63.4			6.591879	
10	2	19	81.3	1058		7.28339	
11	2	18	61.8	1029		7.881038	
12	2	6	81.8	1986		8.651938	
13	2	9	80.1	1823		8.851806	
14	2	12	50.1	1228		9.456277	
15	1	6	54.7			10.001619	
16	1	12	83.4			11.143731	
17	1	19	67			11.542819	

Bin5 Statistics 20

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	8	70.7	1691		0.405892	1
1	2	7	65.1	1447		1.216614	
2	3	14	95.2	1677	1511	1.723302	
3	2	17	60.7	1231		2.338072	
4	3	11	92.1	1126	1739	3.456843	
5	3	15	71.3	1378	1970	3.665545	
6	1	17	79.9			4.935239	
7	3	9	73.2	1795	1724	5.038981	
8	1	7	58.9			5.906443	
9	2	19	62.1	1184		6.499864	
10	2	13	64.9	1352		7.248943	
11	2	17	70.3	1961		7.905845	
12	2	13	58.2	1253		8.828824	
13	2	10	77.9	1882		9.745715	
14	3	16	90.3	1259	1114	10.383218	
15	2	20	50.9	1597		10.971042	
16	2	15	63.7	1767		11.326215	

Bin5 Statistics 21

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	20	82.6	1264	1296	0.44056	1
1	2	18	74.8	1892		2.552724	
2	2	7	69.9	1433		4.018274	
3	3	16	64.7	1096	1519	4.70157	
4	1	18	55.8			7.215148	
5	1	16	94.9			7.742433	
6	2	16	92.7	1569		10.356678	
7	2	13	65.3	1236		10.911836	

Bin5 Statistics 22

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	14	74.4	1993		0.081607	1
1	2	7	56	1814		1.601782	
2	2	6	92.1	1179		2.789524	
3	3	17	84.6	1691	1914	4.740104	
4	2	10	68	1934		5.322032	
5	2	18	89.9	1463		7.046481	
6	3	6	59.2	1404	1472	8.21725	
7	1	15	91.2			9.243077	
8	2	17	53.4	1879		10.492142	
9	3	5	54.9	1069	1606	10.869426	

Bin5 Statistics 23

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	8	63.5			0.325284	1
1	2	19	66.4	1681		1.242034	
2	3	5	57.1	1480	1278	1.335828	
3	2	19	96.6	1335		2.49066	
4	3	7	96.4	1790	1789	3.035378	
5	2	15	95.8	1484		3.536457	
6	2	15	90.5	1603		4.116156	
7	2	7	84.6	1844		4.92277	
8	3	7	66	1716	1580	5.449733	
9	3	9	62.2	1376	1043	6.095974	
10	2	18	76	1798		7.188019	
11	1	9	69.4			7.552561	
12	3	13	82.2	1979	1707	8.522717	
13	2	7	89.8	1366		8.856544	
14	2	12	74.9	1657		9.802251	
15	2	19	72.1	1671		10.479308	
16	3	14	60.4	1818	1375	10.887189	
17	2	15	77.1	1822		11.439895	

Bin5 Statistics 24

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	8	50.5	1326		0.130523	1
1	2	10	93.2	1410		1.171761	
2	1	13	85			1.46338	
3	3	20	67.3	1331	1761	2.477086	
4	3	18	70.8	1215	1537	2.934702	
5	1	14	56.7			3.81974	
6	2	14	82	1879		4.554218	
7	3	15	73.4	1837	1354	4.899332	
8	2	13	53.8	1245		5.970859	
9	1	8	90			6.02365	
10	2	15	87.7	1858		6.818694	
11	1	6	85.4			7.922252	
12	2	12	83.2	1707		8.402744	
13	2	12	73.8	1998		9.280771	
14	3	9	66.2	1285	1914	9.993577	
15	2	6	68.5	1737		10.285498	
16	3	16	92.9	1686	1003	11.192352	
17	1	13	84.7			11.955507	

Bin5 Statistics 25

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	1	6	72.9		0	0.210623	
1	3	15	94.2	1995	1481	1.108426	
2	3	19	96	1633	1579	1.49927	
3	1	15	82.9		0	2.276862	
4	2	18	90	1207	0	3.131155	
5	2	7	65.1	1759	0	3.431851	
6	1	7	77.4		0	3.857163	
7	1	18	87.5		0	4.654497	
8	3	8	55.1	1150	1308	5.230649	
9	1	17	90.8		0	5.890792	1
10	2	16	78.8	1182	0	6.89915	
11	2	9	93.8	1537	0	7.204378	
12	3	7	76.7	1086	1376	7.943584	
13	2	9	87.8	1282	0	8.366917	
14	3	19	99.5	1590	1263	8.884909	
15	3	10	84.8	1338	1936	9.894778	
16	2	17	76.9	1667	0	10.432536	
17	2	16	51.3	1651	0	11.068856	
18	3	7	66.1	1979	1203	11.959212	

Bin5 Statistics 26

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	8	76.5	1117	1020	0.66397	1
1	3	17	62.4	1503	1820	1.42785	
2	1	14	82.7			2.090349	
3	2	18	77.6	1698		3.493295	
4	3	12	78.3	1793	1190	4.158056	
5	2	10	64.6	1493		5.316799	
6	1	9	98.6			6.294934	
7	2	17	99.8	1207		7.093129	
8	2	8	82.3	1876		8.365071	
9	2	11	92.8	1825		9.872831	
10	1	7	78.8			10.399732	
11	2	8	53.7	1837		11.660983	

Bin5 Statistics 27

CF=5287 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	12	80.8	1859		0.178026	1
1	2	14	50.6	1390		0.991706	
2	2	19	89.6	1417		1.783179	
3	2	13	84.3	1587		2.259678	
4	2	9	92.6	1265		2.413059	
5	2	11	93.1	1225		3.339747	
6	2	17	78.8	1081		4.144978	
7	1	12	82.7			4.677335	
8	1	6	78.1			4.885942	
9	2	16	62	1472		5.573993	
10	3	16	85.2	1224	1098	6.045454	
11	2	18	64.1	1177		6.955871	
12	1	6	52.4			7.70822	
13	1	10	65.1			8.235862	
14	1	10	80.8			8.604638	
15	1	10	65.4			9.323978	
16	3	13	55.7	1812	1044	10.080934	
17	1	15	81.8			10.227951	
18	2	14	66.1	1343		10.828654	

Bin5 Statistics 28

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	12	59	1494		0.166358	
1	2	8	77.9	1649		1.474049	
2	2	6	77.4	1937		3.501469	
3	3	8	89.3	1203	1776	5.304742	
4	3	12	62.7	1243	1749	6.235629	1
5	2	9	80.8	1760		7.151404	
6	1	19	52.6			8.157535	
7	2	6	77.9	1241		10.21642	
8	2	19	50.8	1318		11.352799	

Bin5 Statistics 29

CF=5285 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	51	1693	1214	0.172057	
1	2	8	97.3	1033		1.214097	
2	1	13	54.1			1.320166	
3	1	10	73.5			2.312832	
4	1	12	92.2			2.930191	
5	2	14	75	1626		3.455584	
6	1	12	61.5			3.852398	
7	1	15	56.9			5.048287	
8	1	13	55.3			5.210805	
9	2	19	56.6	1183		6.228157	1
10	3	17	61.3	1903	1474	6.458151	
11	2	9	74.3	1286		7.211586	
12	2	11	70.7	1271		7.824895	
13	3	13	77.2	1318	1898	8.239437	
14	2	18	92	1330		9.459419	
15	3	6	61.9	1628	1479	9.706163	
16	2	17	64.7	1758		10.611346	
17	2	16	88.3	1270		11.291563	
18	2	18	58.6	1644		11.593988	

Bin5 Statistics 30

CF=5288 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	8	95.6	1685	1169	0.282902	1
1	3	10	86.1	1001	1705	1.931601	
2	2	13	79.2	1976		2.849277	
3	2	8	91.7	1740		3.804375	
4	1	5	79.4			5.290935	
5	3	9	74.4	1309	1550	6.486678	
6	2	6	97	1025		7.229411	
7	3	13	81	1343	1130	8.38599	
8	2	18	66.3	1352		9.4138	
9	3	7	75.4	1960	1573	9.841751	
10	3	16	53.6	1934	1762	11.225609	

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	5430.0, 5345.0, 5559.0, 5568.0, 5665.0, 5637.0, 5320.0, 5635.0, 5423.0, 5649.0, 5525.0, 5293.0, 5424.0, 5695.0, 5385.0, 5550.0, 5288.0, 5631.0, 5561.0, 5556.0, 5474.0, 5676.0, 5480.0, 5504.0, 5351.0, 5361.0, 5294.0, 5521.0, 5411.0, 5317.0, 5356.0, 5405.0, 5343.0, 5470.0, 5638.0, 5529.0, 5511.0, 5555.0, 5336.0, 5418.0, 5719.0, 5580.0, 5615.0, 5507.0, 5662.0, 5657.0, 5674.0, 5519.0, 5620.0, 5702.0, 5349.0, 5636.0, 5346.0, 5623.0, 5276.0, 5400.0, 5672.0, 5250.0, 5617.0, 5539.0, 5576.0, 5486.0, 5330.0, 5278.0, 5372.0, 5315.0, 5391.0, 5364.0, 5327.0, 5254.0, 5441.0, 5274.0, 5536.0, 5316.0, 5542.0, 5431.0, 5644.0, 5268.0, 5354.0, 5506.0, 5457.0, 5516.0, 5589.0, 5522.0, 5598.0, 5664.0, 5410.0, 5295.0, 5380.0, 5582.0, 5477.0, 5531.0, 5344.0, 5501.0, 5591.0, 5283.0, 5454.0, 5376.0, 5407.0, 5528.0 (number of hits: 4)
2	5280	9	1	333	1	5277.0, 5710.0, 5468.0, 5471.0, 5453.0, 5312.0, 5251.0, 5572.0, 5635.0, 5633.0, 5263.0, 5547.0, 5513.0, 5386.0, 5562.0, 5355.0, 5472.0, 5583.0, 5508.0, 5483.0, 5297.0, 5392.0, 5507.0, 5486.0, 5676.0, 5612.0, 5644.0, 5292.0, 5408.0, 5602.0, 5311.0, 5273.0, 5683.0, 5450.0, 5484.0, 5692.0, 5529.0, 5544.0, 5705.0, 5410.0, 5691.0, 5321.0, 5320.0, 5395.0, 5528.0, 5434.0, 5604.0, 5258.0, 5696.0, 5465.0, 5405.0, 5543.0, 5342.0, 5566.0, 5327.0, 5365.0, 5259.0, 5257.0, 5639.0, 5678.0, 5280.0, 5407.0, 5674.0, 5401.0, 5653.0, 5318.0, 5385.0, 5512.0, 5693.0, 5287.0, 5264.0, 5337.0, 5464.0, 5399.0, 5420.0, 5500.0, 5695.0, 5456.0, 5625.0, 5526.0, 5412.0, 5366.0, 5350.0, 5688.0, 5557.0, 5624.0, 5391.0, 5423.0, 5545.0, 5335.0, 5553.0, 5400.0, 5502.0, 5470.0, 5305.0, 5658.0, 5518.0, 5369.0, 5715.0, 5267.0 (number of hits: 6)
3	5280	9	1	333	1	5507.0, 5596.0, 5623.0, 5255.0, 5277.0, 5699.0, 5601.0, 5555.0, 5631.0, 5414.0, 5524.0, 5276.0, 5407.0, 5721.0, 5617.0, 5696.0, 5475.0, 5331.0, 5456.0, 5551.0, 5663.0, 5703.0, 5458.0, 5251.0, 5676.0, 5697.0, 5656.0, 5705.0, 5553.0, 5409.0, 5608.0, 5613.0, 5668.0, 5350.0, 5548.0, 5560.0, 5272.0, 5299.0, 5306.0, 5598.0, 5585.0, 5612.0, 5292.0, 5657.0, 5457.0, 5562.0, 5690.0, 5661.0, 5498.0, 5374.0, 5687.0, 5716.0, 5383.0, 5588.0, 5672.0,

						5260.0, 5313.0, 5610.0, 5377.0, 5396.0, 5639.0, 5554.0, 5485.0, 5625.0, 5403.0, 5375.0, 5438.0, 5580.0, 5624.0, 5450.0, 5595.0, 5296.0, 5327.0, 5626.0, 5671.0, 5390.0, 5424.0, 5644.0, 5581.0, 5707.0, 5378.0, 5484.0, 5476.0, 5333.0, 5357.0, 5529.0, 5501.0, 5334.0, 5665.0, 5340.0, 5360.0, 5371.0, 5490.0, 5261.0, 5345.0, 5496.0, 5694.0, 5315.0, 5712.0, 5382.0 (number of hits: 5)
4	5280	9	1	333	1	5334.0, 5282.0, 5272.0, 5277.0, 5577.0, 5661.0, 5371.0, 5665.0, 5719.0, 5266.0, 5464.0, 5635.0, 5628.0, 5668.0, 5306.0, 5707.0, 5528.0, 5360.0, 5408.0, 5611.0, 5273.0, 5675.0, 5521.0, 5643.0, 5459.0, 5392.0, 5582.0, 5606.0, 5516.0, 5571.0, 5621.0, 5551.0, 5650.0, 5407.0, 5404.0, 5653.0, 5593.0, 5417.0, 5253.0, 5596.0, 5370.0, 5355.0, 5427.0, 5255.0, 5523.0, 5494.0, 5561.0, 5615.0, 5716.0, 5671.0, 5558.0, 5387.0, 5458.0, 5463.0, 5377.0, 5358.0, 5632.0, 5679.0, 5352.0, 5531.0, 5631.0, 5509.0, 5397.0, 5363.0, 5534.0, 5701.0, 5438.0, 5305.0, 5258.0, 5366.0, 5634.0, 5503.0, 5510.0, 5428.0, 5630.0, 5337.0, 5308.0, 5660.0, 5545.0, 5603.0, 5563.0, 5659.0, 5656.0, 5318.0, 5508.0, 5704.0, 5344.0, 5678.0, 5465.0, 5673.0, 5586.0, 5256.0, 5275.0, 5468.0, 5609.0, 5567.0, 5365.0, 5374.0, 5578.0, 5514.0 (number of hits: 3)
5	5280	9	1	333	1	5610.0, 5354.0, 5716.0, 5470.0, 5506.0, 5303.0, 5643.0, 5358.0, 5597.0, 5279.0, 5486.0, 5327.0, 5319.0, 5553.0, 5344.0, 5445.0, 5662.0, 5633.0, 5399.0, 5393.0, 5501.0, 5351.0, 5611.0, 5464.0, 5417.0, 5626.0, 5377.0, 5677.0, 5441.0, 5471.0, 5524.0, 5650.0, 5544.0, 5578.0, 5580.0, 5603.0, 5396.0, 5388.0, 5668.0, 5361.0, 5493.0, 5482.0, 5657.0, 5679.0, 5290.0, 5269.0, 5300.0, 5632.0, 5655.0, 5672.0, 5704.0, 5346.0, 5444.0, 5410.0, 5669.0, 5671.0, 5511.0, 5274.0, 5386.0, 5640.0, 5595.0, 5513.0, 5545.0, 5350.0, 5722.0, 5605.0, 5316.0, 5503.0, 5282.0, 5436.0, 5594.0, 5268.0, 5451.0, 5421.0, 5277.0, 5569.0, 5654.0, 5721.0, 5423.0, 5557.0, 5272.0, 5689.0, 5402.0, 5723.0, 5703.0, 5438.0, 5659.0, 5706.0, 5343.0, 5548.0, 5339.0, 5366.0, 5312.0, 5442.0, 5563.0, 5676.0, 5373.0, 5285.0, 5375.0, 5509.0 (number of hits: 5)
6	5280	9	1	333	1	5267.0, 5451.0, 5618.0, 5373.0, 5715.0, 5440.0, 5557.0, 5407.0, 5657.0, 5347.0, 5420.0, 5519.0, 5561.0, 5559.0, 5412.0, 5694.0, 5587.0, 5631.0, 5566.0, 5447.0, 5533.0, 5388.0, 5312.0, 5640.0, 5706.0, 5314.0, 5581.0, 5339.0, 5326.0, 5583.0, 5628.0, 5449.0, 5467.0, 5663.0, 5545.0,

						5328.0, 5556.0, 5481.0, 5466.0, 5501.0, 5699.0, 5606.0, 5400.0, 5579.0, 5656.0, 5401.0, 5619.0, 5365.0, 5367.0, 5303.0, 5494.0, 5695.0, 5437.0, 5301.0, 5594.0, 5636.0, 5486.0, 5370.0, 5358.0, 5313.0, 5625.0, 5427.0, 5589.0, 5255.0, 5642.0, 5541.0, 5336.0, 5346.0, 5409.0, 5419.0, 5505.0, 5687.0, 5353.0, 5716.0, 5300.0, 5315.0, 5634.0, 5653.0, 5444.0, 5307.0, 5383.0, 5676.0, 5527.0, 5386.0, 5532.0, 5615.0, 5721.0, 5462.0, 5397.0, 5262.0, 5672.0, 5638.0, 5549.0, 5455.0, 5571.0, 5351.0, 5720.0, 5666.0, 5722.0, 5293.0 (number of hits: 8)
7	5280	9	1	333	1	5385.0, 5268.0, 5507.0, 5626.0, 5504.0, 5485.0, 5662.0, 5439.0, 5569.0, 5509.0, 5452.0, 5605.0, 5310.0, 5459.0, 5630.0, 5511.0, 5585.0, 5331.0, 5651.0, 5564.0, 5272.0, 5524.0, 5608.0, 5414.0, 5449.0, 5486.0, 5394.0, 5506.0, 5513.0, 5688.0, 5615.0, 5589.0, 5583.0, 5390.0, 5289.0, 5683.0, 5666.0, 5423.0, 5600.0, 5463.0, 5546.0, 5319.0, 5481.0, 5295.0, 5508.0, 5433.0, 5326.0, 5636.0, 5469.0, 5315.0, 5648.0, 5312.0, 5594.0, 5425.0, 5597.0, 5610.0, 5545.0, 5264.0, 5708.0, 5378.0, 5536.0, 5296.0, 5258.0, 5367.0, 5260.0, 5276.0, 5399.0, 5593.0, 5715.0, 5480.0, 5465.0, 5438.0, 5663.0, 5255.0, 5696.0, 5695.0, 5287.0, 5700.0, 5709.0, 5565.0, 5684.0, 5641.0, 5400.0, 5372.0, 5628.0, 5534.0, 5618.0, 5495.0, 5654.0, 5280.0, 5416.0, 5455.0, 5712.0, 5402.0, 5406.0, 5303.0, 5653.0, 5461.0, 5599.0, 5613.0 (number of hits: 7)
8	5280	9	1	333	1	5329.0, 5387.0, 5703.0, 5600.0, 5316.0, 5705.0, 5637.0, 5523.0, 5446.0, 5384.0, 5405.0, 5620.0, 5591.0, 5644.0, 5568.0, 5450.0, 5434.0, 5671.0, 5509.0, 5346.0, 5404.0, 5672.0, 5332.0, 5442.0, 5482.0, 5254.0, 5613.0, 5502.0, 5621.0, 5660.0, 5684.0, 5314.0, 5574.0, 5589.0, 5250.0, 5279.0, 5649.0, 5402.0, 5475.0, 5296.0, 5419.0, 5516.0, 5262.0, 5345.0, 5382.0, 5510.0, 5462.0, 5688.0, 5444.0, 5570.0, 5565.0, 5410.0, 5322.0, 5694.0, 5541.0, 5491.0, 5506.0, 5695.0, 5264.0, 5723.0, 5441.0, 5527.0, 5709.0, 5413.0, 5697.0, 5466.0, 5679.0, 5503.0, 5529.0, 5514.0, 5302.0, 5699.0, 5305.0, 5371.0, 5391.0, 5647.0, 5602.0, 5407.0, 5670.0, 5563.0, 5540.0, 5290.0, 5611.0, 5428.0, 5271.0, 5269.0, 5497.0, 5494.0, 5381.0, 5558.0, 5312.0, 5278.0, 5643.0, 5361.0, 5456.0, 5687.0, 5677.0, 5519.0, 5414.0, 5400.0 (number of hits: 6)
9	5280	9	1	333	1	5649.0, 5330.0, 5291.0, 5657.0, 5721.0, 5648.0, 5685.0, 5332.0, 5314.0, 5655.0, 5679.0, 5299.0, 5388.0, 5256.0, 5526.0,

						5339.0, 5375.0, 5446.0, 5383.0, 5707.0, 5607.0, 5551.0, 5539.0, 5552.0, 5599.0, 5669.0, 5698.0, 5273.0, 5255.0, 5393.0, 5252.0, 5652.0, 5613.0, 5550.0, 5536.0, 5379.0, 5356.0, 5634.0, 5521.0, 5505.0, 5640.0, 5411.0, 5455.0, 5691.0, 5660.0, 5340.0, 5693.0, 5504.0, 5542.0, 5530.0, 5534.0, 5319.0, 5543.0, 5651.0, 5473.0, 5493.0, 5292.0, 5285.0, 5471.0, 5308.0, 5409.0, 5515.0, 5399.0, 5438.0, 5558.0, 5327.0, 5449.0, 5628.0, 5433.0, 5461.0, 5272.0, 5647.0, 5723.0, 5414.0, 5574.0, 5322.0, 5401.0, 5251.0, 5441.0, 5662.0, 5572.0, 5711.0, 5533.0, 5653.0, 5470.0, 5293.0, 5509.0, 5525.0, 5406.0, 5683.0, 5656.0, 5420.0, 5261.0, 5345.0, 5576.0, 5368.0, 5390.0, 5286.0, 5581.0, 5592.0 (number of hits: 8)
10	5280	9	1	333	1	5297.0, 5252.0, 5575.0, 5482.0, 5452.0, 5307.0, 5518.0, 5533.0, 5402.0, 5680.0, 5572.0, 5521.0, 5421.0, 5505.0, 5491.0, 5376.0, 5355.0, 5519.0, 5407.0, 5261.0, 5582.0, 5670.0, 5542.0, 5555.0, 5602.0, 5650.0, 5551.0, 5374.0, 5435.0, 5515.0, 5689.0, 5524.0, 5512.0, 5288.0, 5723.0, 5268.0, 5439.0, 5368.0, 5334.0, 5585.0, 5321.0, 5279.0, 5645.0, 5460.0, 5554.0, 5331.0, 5272.0, 5431.0, 5303.0, 5362.0, 5309.0, 5330.0, 5715.0, 5458.0, 5347.0, 5448.0, 5290.0, 5280.0, 5656.0, 5292.0, 5520.0, 5561.0, 5392.0, 5276.0, 5525.0, 5363.0, 5466.0, 5364.0, 5406.0, 5492.0, 5273.0, 5694.0, 5629.0, 5313.0, 5322.0, 5557.0, 5714.0, 5494.0, 5663.0, 5449.0, 5548.0, 5437.0, 5404.0, 5384.0, 5352.0, 5434.0, 5646.0, 5636.0, 5501.0, 5398.0, 5498.0, 5556.0, 5699.0, 5428.0, 5537.0, 5480.0, 5436.0, 5528.0, 5698.0, 5414.0 (number of hits: 8)
11	5280	9	1	333	1	5274.0, 5586.0, 5331.0, 5588.0, 5717.0, 5667.0, 5557.0, 5458.0, 5521.0, 5618.0, 5723.0, 5492.0, 5304.0, 5715.0, 5308.0, 5351.0, 5364.0, 5605.0, 5515.0, 5446.0, 5389.0, 5313.0, 5401.0, 5643.0, 5644.0, 5258.0, 5656.0, 5365.0, 5338.0, 5395.0, 5384.0, 5438.0, 5574.0, 5480.0, 5371.0, 5552.0, 5324.0, 5474.0, 5379.0, 5587.0, 5363.0, 5649.0, 5584.0, 5394.0, 5252.0, 5260.0, 5419.0, 5623.0, 5575.0, 5392.0, 5467.0, 5699.0, 5437.0, 5566.0, 5406.0, 5310.0, 5470.0, 5457.0, 5519.0, 5510.0, 5683.0, 5583.0, 5291.0, 5408.0, 5303.0, 5706.0, 5538.0, 5690.0, 5625.0, 5388.0, 5462.0, 5251.0, 5416.0, 5718.0, 5671.0, 5697.0, 5278.0, 5568.0, 5381.0, 5431.0, 5663.0, 5694.0, 5307.0, 5352.0, 5410.0, 5549.0, 5330.0, 5497.0, 5585.0, 5485.0, 5596.0, 5412.0, 5484.0, 5614.0, 5505.0, 5362.0, 5550.0, 5326.0, 5686.0, 5311.0

						(number of hits: 8)
12	5280	9	1	333	1	5675.0, 5369.0, 5658.0, 5650.0, 5462.0, 5547.0, 5371.0, 5349.0, 5425.0, 5604.0, 5689.0, 5405.0, 5608.0, 5447.0, 5577.0, 5305.0, 5440.0, 5292.0, 5375.0, 5263.0, 5610.0, 5310.0, 5563.0, 5260.0, 5337.0, 5606.0, 5512.0, 5368.0, 5678.0, 5568.0, 5630.0, 5336.0, 5709.0, 5558.0, 5272.0, 5644.0, 5511.0, 5621.0, 5647.0, 5578.0, 5540.0, 5595.0, 5537.0, 5707.0, 5424.0, 5298.0, 5713.0, 5443.0, 5276.0, 5258.0, 5377.0, 5437.0, 5402.0, 5666.0, 5284.0, 5677.0, 5711.0, 5496.0, 5502.0, 5642.0, 5372.0, 5696.0, 5542.0, 5328.0, 5455.0, 5494.0, 5616.0, 5441.0, 5702.0, 5344.0, 5438.0, 5609.0, 5428.0, 5539.0, 5472.0, 5318.0, 5545.0, 5530.0, 5386.0, 5495.0, 5567.0, 5322.0, 5550.0, 5716.0, 5486.0, 5299.0, 5312.0, 5694.0, 5573.0, 5500.0, 5320.0, 5261.0, 5505.0, 5528.0, 5507.0, 5442.0, 5311.0, 5408.0, 5457.0, 5700.0
						(number of hits: 7)
13	5280	9	1	333	1	5544.0, 5478.0, 5671.0, 5419.0, 5418.0, 5550.0, 5370.0, 5562.0, 5334.0, 5413.0, 5460.0, 5483.0, 5702.0, 5457.0, 5381.0, 5398.0, 5429.0, 5344.0, 5331.0, 5543.0, 5497.0, 5456.0, 5626.0, 5619.0, 5319.0, 5539.0, 5328.0, 5522.0, 5659.0, 5507.0, 5627.0, 5461.0, 5340.0, 5330.0, 5309.0, 5276.0, 5563.0, 5354.0, 5564.0, 5393.0, 5364.0, 5425.0, 5469.0, 5610.0, 5717.0, 5697.0, 5583.0, 5395.0, 5267.0, 5642.0, 5322.0, 5681.0, 5430.0, 5701.0, 5569.0, 5402.0, 5448.0, 5526.0, 5631.0, 5382.0, 5376.0, 5682.0, 5473.0, 5691.0, 5301.0, 5357.0, 5530.0, 5484.0, 5643.0, 5538.0, 5587.0, 5348.0, 5695.0, 5396.0, 5609.0, 5362.0, 5670.0, 5458.0, 5582.0, 5537.0, 5574.0, 5534.0, 5677.0, 5432.0, 5712.0, 5266.0, 5360.0, 5510.0, 5436.0, 5407.0, 5325.0, 5283.0, 5489.0, 5675.0, 5442.0, 5600.0, 5304.0, 5265.0, 5721.0, 5279.0
						(number of hits: 3)
14	5280	9	1	333	1	5315.0, 5281.0, 5430.0, 5508.0, 5385.0, 5671.0, 5621.0, 5622.0, 5378.0, 5657.0, 5259.0, 5261.0, 5449.0, 5543.0, 5401.0, 5295.0, 5439.0, 5524.0, 5258.0, 5301.0, 5346.0, 5516.0, 5680.0, 5580.0, 5478.0, 5272.0, 5720.0, 5558.0, 5344.0, 5684.0, 5414.0, 5500.0, 5637.0, 5362.0, 5251.0, 5541.0, 5337.0, 5638.0, 5494.0, 5626.0, 5534.0, 5257.0, 5577.0, 5572.0, 5656.0, 5607.0, 5546.0, 5564.0, 5571.0, 5606.0, 5667.0, 5340.0, 5716.0, 5540.0, 5597.0, 5573.0, 5627.0, 5686.0, 5608.0, 5448.0, 5511.0, 5648.0, 5391.0, 5687.0, 5420.0, 5645.0, 5388.0, 5418.0, 5701.0, 5405.0, 5415.0, 5660.0, 5333.0, 5433.0, 5468.0, 5550.0, 5291.0, 5515.0, 5348.0, 5589.0,

						5674.0, 5447.0, 5503.0, 5690.0, 5406.0, 5359.0, 5548.0, 5497.0, 5664.0, 5292.0, 5336.0, 5601.0, 5700.0, 5581.0, 5322.0, 5421.0, 5559.0, 5361.0, 5617.0, 5368.0 (number of hits: 4)
15	5280	9	1	333	1	5688.0, 5345.0, 5319.0, 5395.0, 5610.0, 5717.0, 5347.0, 5683.0, 5592.0, 5461.0, 5465.0, 5382.0, 5581.0, 5293.0, 5266.0, 5590.0, 5607.0, 5286.0, 5416.0, 5350.0, 5443.0, 5477.0, 5398.0, 5537.0, 5359.0, 5360.0, 5719.0, 5538.0, 5699.0, 5536.0, 5298.0, 5440.0, 5499.0, 5340.0, 5288.0, 5488.0, 5716.0, 5650.0, 5558.0, 5569.0, 5295.0, 5446.0, 5335.0, 5634.0, 5644.0, 5528.0, 5521.0, 5261.0, 5336.0, 5390.0, 5375.0, 5420.0, 5370.0, 5357.0, 5535.0, 5599.0, 5284.0, 5682.0, 5283.0, 5557.0, 5466.0, 5513.0, 5660.0, 5252.0, 5713.0, 5368.0, 5639.0, 5555.0, 5455.0, 5278.0, 5672.0, 5431.0, 5276.0, 5547.0, 5632.0, 5498.0, 5453.0, 5317.0, 5637.0, 5490.0, 5687.0, 5561.0, 5434.0, 5479.0, 5543.0, 5579.0, 5339.0, 5523.0, 5678.0, 5419.0, 5680.0, 5700.0, 5457.0, 5285.0, 5679.0, 5600.0, 5525.0, 5702.0, 5409.0, 5507.0 (number of hits: 6)
16	5280	9	1	333	1	5691.0, 5416.0, 5392.0, 5287.0, 5471.0, 5283.0, 5648.0, 5699.0, 5601.0, 5326.0, 5627.0, 5448.0, 5426.0, 5335.0, 5652.0, 5637.0, 5554.0, 5378.0, 5510.0, 5429.0, 5588.0, 5543.0, 5493.0, 5437.0, 5419.0, 5555.0, 5680.0, 5270.0, 5373.0, 5511.0, 5550.0, 5620.0, 5372.0, 5366.0, 5528.0, 5513.0, 5445.0, 5605.0, 5623.0, 5425.0, 5696.0, 5316.0, 5671.0, 5352.0, 5673.0, 5678.0, 5609.0, 5698.0, 5559.0, 5367.0, 5649.0, 5304.0, 5462.0, 5313.0, 5694.0, 5672.0, 5359.0, 5512.0, 5531.0, 5624.0, 5324.0, 5568.0, 5454.0, 5500.0, 5486.0, 5276.0, 5387.0, 5320.0, 5645.0, 5265.0, 5465.0, 5288.0, 5252.0, 5314.0, 5381.0, 5450.0, 5382.0, 5412.0, 5307.0, 5321.0, 5312.0, 5705.0, 5674.0, 5346.0, 5521.0, 5460.0, 5558.0, 5684.0, 5552.0, 5594.0, 5362.0, 5549.0, 5540.0, 5670.0, 5575.0, 5553.0, 5369.0, 5281.0, 5284.0, 5402.0 (number of hits: 7)
17	5280	9	1	333	1	5366.0, 5347.0, 5578.0, 5655.0, 5451.0, 5723.0, 5252.0, 5275.0, 5345.0, 5262.0, 5315.0, 5312.0, 5302.0, 5664.0, 5708.0, 5636.0, 5617.0, 5434.0, 5282.0, 5579.0, 5717.0, 5449.0, 5522.0, 5647.0, 5552.0, 5545.0, 5554.0, 5480.0, 5299.0, 5292.0, 5677.0, 5443.0, 5674.0, 5348.0, 5520.0, 5349.0, 5609.0, 5502.0, 5472.0, 5712.0, 5604.0, 5488.0, 5564.0, 5393.0, 5310.0, 5259.0, 5648.0, 5410.0, 5542.0, 5577.0, 5584.0, 5350.0, 5404.0, 5506.0, 5713.0, 5459.0, 5534.0, 5281.0, 5323.0, 5311.0,

						5273.0, 5546.0, 5395.0, 5681.0, 5632.0, 5352.0, 5537.0, 5686.0, 5396.0, 5662.0, 5595.0, 5501.0, 5567.0, 5652.0, 5288.0, 5460.0, 5258.0, 5680.0, 5696.0, 5690.0, 5368.0, 5286.0, 5615.0, 5608.0, 5364.0, 5618.0, 5538.0, 5353.0, 5466.0, 5329.0, 5540.0, 5503.0, 5611.0, 5479.0, 5656.0, 5413.0, 5271.0, 5651.0, 5257.0, 5531.0 (number of hits: 8)
18	5280	9	1	333	1	5645.0, 5430.0, 5395.0, 5564.0, 5446.0, 5362.0, 5716.0, 5432.0, 5672.0, 5590.0, 5418.0, 5524.0, 5476.0, 5690.0, 5578.0, 5265.0, 5297.0, 5455.0, 5673.0, 5267.0, 5647.0, 5380.0, 5626.0, 5403.0, 5330.0, 5541.0, 5280.0, 5616.0, 5408.0, 5304.0, 5394.0, 5528.0, 5679.0, 5342.0, 5411.0, 5302.0, 5497.0, 5699.0, 5378.0, 5640.0, 5630.0, 5283.0, 5688.0, 5417.0, 5498.0, 5678.0, 5320.0, 5610.0, 5625.0, 5250.0, 5288.0, 5385.0, 5492.0, 5451.0, 5601.0, 5660.0, 5586.0, 5705.0, 5427.0, 5720.0, 5303.0, 5527.0, 5552.0, 5593.0, 5575.0, 5655.0, 5623.0, 5296.0, 5270.0, 5472.0, 5399.0, 5664.0, 5410.0, 5663.0, 5627.0, 5563.0, 5560.0, 5674.0, 5425.0, 5333.0, 5324.0, 5316.0, 5605.0, 5703.0, 5525.0, 5607.0, 5305.0, 5599.0, 5436.0, 5479.0, 5376.0, 5508.0, 5361.0, 5340.0, 5301.0, 5360.0, 5484.0, 5289.0, 5440.0, 5644.0 (number of hits: 9)
19	5280	9	1	333	1	5655.0, 5670.0, 5676.0, 5262.0, 5296.0, 5452.0, 5559.0, 5688.0, 5525.0, 5437.0, 5646.0, 5428.0, 5591.0, 5685.0, 5566.0, 5426.0, 5277.0, 5259.0, 5587.0, 5702.0, 5356.0, 5454.0, 5453.0, 5507.0, 5371.0, 5351.0, 5337.0, 5425.0, 5654.0, 5665.0, 5659.0, 5370.0, 5297.0, 5448.0, 5466.0, 5498.0, 5521.0, 5459.0, 5607.0, 5306.0, 5557.0, 5290.0, 5513.0, 5475.0, 5384.0, 5395.0, 5597.0, 5439.0, 5424.0, 5695.0, 5478.0, 5299.0, 5650.0, 5493.0, 5304.0, 5629.0, 5714.0, 5420.0, 5595.0, 5327.0, 5696.0, 5491.0, 5690.0, 5347.0, 5658.0, 5272.0, 5467.0, 5608.0, 5531.0, 5427.0, 5253.0, 5373.0, 5586.0, 5264.0, 5550.0, 5627.0, 5674.0, 5267.0, 5435.0, 5279.0, 5415.0, 5572.0, 5364.0, 5300.0, 5352.0, 5570.0, 5281.0, 5315.0, 5481.0, 5479.0, 5497.0, 5540.0, 5252.0, 5554.0, 5615.0, 5397.0, 5551.0, 5501.0, 5418.0, 5273.0 (number of hits: 7)
20	5280	9	1	333	1	5707.0, 5266.0, 5507.0, 5430.0, 5382.0, 5559.0, 5549.0, 5444.0, 5277.0, 5256.0, 5449.0, 5621.0, 5354.0, 5259.0, 5710.0, 5571.0, 5545.0, 5342.0, 5472.0, 5617.0, 5627.0, 5568.0, 5567.0, 5291.0, 5405.0, 5299.0, 5330.0, 5530.0, 5355.0, 5258.0, 5583.0, 5664.0, 5496.0, 5576.0, 5669.0, 5526.0, 5560.0, 5618.0, 5514.0, 5615.0,

						5454.0, 5324.0, 5309.0, 5717.0, 5431.0, 5473.0, 5353.0, 5595.0, 5594.0, 5456.0, 5452.0, 5630.0, 5334.0, 5335.0, 5614.0, 5387.0, 5467.0, 5522.0, 5553.0, 5537.0, 5262.0, 5470.0, 5512.0, 5264.0, 5502.0, 5674.0, 5587.0, 5389.0, 5531.0, 5327.0, 5635.0, 5438.0, 5485.0, 5608.0, 5386.0, 5407.0, 5609.0, 5616.0, 5271.0, 5319.0, 5295.0, 5572.0, 5708.0, 5542.0, 5282.0, 5460.0, 5446.0, 5333.0, 5302.0, 5384.0, 5404.0, 5451.0, 5543.0, 5474.0, 5269.0, 5646.0, 5589.0, 5719.0, 5691.0, 5315.0 (number of hits: 5)
21	5280	9	1	333	1	5545.0, 5328.0, 5647.0, 5561.0, 5646.0, 5357.0, 5583.0, 5704.0, 5434.0, 5262.0, 5400.0, 5645.0, 5639.0, 5424.0, 5254.0, 5380.0, 5660.0, 5340.0, 5607.0, 5278.0, 5574.0, 5375.0, 5319.0, 5528.0, 5572.0, 5489.0, 5520.0, 5316.0, 5701.0, 5294.0, 5472.0, 5373.0, 5542.0, 5257.0, 5700.0, 5543.0, 5321.0, 5436.0, 5370.0, 5468.0, 5555.0, 5385.0, 5686.0, 5590.0, 5411.0, 5513.0, 5649.0, 5462.0, 5448.0, 5379.0, 5618.0, 5512.0, 5371.0, 5712.0, 5260.0, 5521.0, 5515.0, 5606.0, 5396.0, 5497.0, 5259.0, 5688.0, 5398.0, 5721.0, 5620.0, 5694.0, 5547.0, 5323.0, 5301.0, 5703.0, 5709.0, 5487.0, 5467.0, 5309.0, 5684.0, 5471.0, 5439.0, 5575.0, 5256.0, 5584.0, 5628.0, 5330.0, 5324.0, 5326.0, 5697.0, 5501.0, 5433.0, 5564.0, 5641.0, 5394.0, 5631.0, 5578.0, 5569.0, 5504.0, 5690.0, 5273.0, 5276.0, 5702.0, 5284.0, 5586.0 (number of hits: 3)
22	5280	9	1	333	1	5301.0, 5306.0, 5606.0, 5657.0, 5681.0, 5407.0, 5580.0, 5466.0, 5295.0, 5484.0, 5560.0, 5554.0, 5618.0, 5545.0, 5441.0, 5574.0, 5534.0, 5641.0, 5469.0, 5596.0, 5506.0, 5356.0, 5346.0, 5393.0, 5598.0, 5409.0, 5582.0, 5294.0, 5413.0, 5263.0, 5411.0, 5304.0, 5544.0, 5691.0, 5360.0, 5256.0, 5390.0, 5373.0, 5708.0, 5268.0, 5589.0, 5677.0, 5417.0, 5559.0, 5323.0, 5368.0, 5610.0, 5363.0, 5362.0, 5609.0, 5250.0, 5619.0, 5302.0, 5576.0, 5558.0, 5483.0, 5650.0, 5338.0, 5259.0, 5431.0, 5458.0, 5451.0, 5456.0, 5359.0, 5481.0, 5660.0, 5564.0, 5278.0, 5482.0, 5557.0, 5330.0, 5703.0, 5518.0, 5608.0, 5642.0, 5290.0, 5699.0, 5586.0, 5583.0, 5396.0, 5459.0, 5477.0, 5287.0, 5615.0, 5636.0, 5669.0, 5317.0, 5307.0, 5563.0, 5453.0, 5438.0, 5597.0, 5659.0, 5674.0, 5379.0, 5499.0, 5693.0, 5389.0, 5584.0, 5292.0 (number of hits: 10)
23	5280	9	1	333	1	5553.0, 5669.0, 5481.0, 5523.0, 5472.0, 5453.0, 5566.0, 5613.0, 5634.0, 5628.0, 5307.0, 5384.0, 5475.0, 5308.0, 5327.0, 5381.0, 5518.0, 5530.0, 5408.0, 5373.0,

						5644.0, 5559.0, 5370.0, 5525.0, 5611.0, 5708.0, 5437.0, 5298.0, 5268.0, 5316.0, 5306.0, 5579.0, 5281.0, 5563.0, 5259.0, 5609.0, 5254.0, 5332.0, 5567.0, 5293.0, 5580.0, 5321.0, 5335.0, 5629.0, 5386.0, 5402.0, 5338.0, 5568.0, 5420.0, 5385.0, 5684.0, 5406.0, 5279.0, 5502.0, 5619.0, 5391.0, 5599.0, 5369.0, 5711.0, 5473.0, 5687.0, 5639.0, 5274.0, 5590.0, 5398.0, 5709.0, 5490.0, 5300.0, 5278.0, 5548.0, 5527.0, 5452.0, 5283.0, 5596.0, 5382.0, 5389.0, 5487.0, 5434.0, 5273.0, 5349.0, 5499.0, 5491.0, 5603.0, 5547.0, 5446.0, 5500.0, 5253.0, 5262.0, 5421.0, 5377.0, 5322.0, 5415.0, 5636.0, 5436.0, 5401.0, 5395.0, 5483.0, 5362.0, 5544.0, 5667.0 (number of hits: 6)
24	5280	9	1	333	1	5277.0, 5492.0, 5543.0, 5518.0, 5584.0, 5713.0, 5594.0, 5283.0, 5526.0, 5278.0, 5322.0, 5496.0, 5320.0, 5356.0, 5450.0, 5430.0, 5325.0, 5397.0, 5377.0, 5525.0, 5615.0, 5355.0, 5334.0, 5460.0, 5590.0, 5671.0, 5313.0, 5638.0, 5607.0, 5352.0, 5308.0, 5321.0, 5666.0, 5721.0, 5539.0, 5533.0, 5550.0, 5504.0, 5491.0, 5640.0, 5522.0, 5416.0, 5338.0, 5612.0, 5698.0, 5693.0, 5697.0, 5379.0, 5294.0, 5413.0, 5645.0, 5394.0, 5265.0, 5262.0, 5267.0, 5351.0, 5292.0, 5272.0, 5528.0, 5440.0, 5254.0, 5572.0, 5389.0, 5459.0, 5263.0, 5532.0, 5441.0, 5563.0, 5443.0, 5361.0, 5712.0, 5318.0, 5312.0, 5567.0, 5625.0, 5579.0, 5623.0, 5582.0, 5587.0, 5516.0, 5626.0, 5475.0, 5560.0, 5591.0, 5396.0, 5701.0, 5635.0, 5541.0, 5349.0, 5659.0, 5620.0, 5544.0, 5574.0, 5483.0, 5555.0, 5411.0, 5714.0, 5403.0, 5652.0, 5256.0 (number of hits: 5)
25	5280	9	1	333	1	5629.0, 5647.0, 5269.0, 5277.0, 5291.0, 5572.0, 5584.0, 5613.0, 5318.0, 5335.0, 5256.0, 5495.0, 5699.0, 5489.0, 5659.0, 5272.0, 5524.0, 5523.0, 5610.0, 5644.0, 5445.0, 5412.0, 5660.0, 5271.0, 5351.0, 5327.0, 5324.0, 5579.0, 5423.0, 5582.0, 5266.0, 5405.0, 5602.0, 5366.0, 5367.0, 5555.0, 5686.0, 5402.0, 5696.0, 5356.0, 5652.0, 5513.0, 5463.0, 5540.0, 5355.0, 5346.0, 5446.0, 5600.0, 5313.0, 5259.0, 5262.0, 5452.0, 5593.0, 5697.0, 5680.0, 5518.0, 5630.0, 5448.0, 5359.0, 5281.0, 5417.0, 5667.0, 5511.0, 5406.0, 5352.0, 5436.0, 5391.0, 5681.0, 5328.0, 5437.0, 5474.0, 5561.0, 5640.0, 5684.0, 5390.0, 5670.0, 5603.0, 5455.0, 5434.0, 5721.0, 5573.0, 5431.0, 5389.0, 5683.0, 5368.0, 5639.0, 5345.0, 5564.0, 5374.0, 5612.0, 5270.0, 5386.0, 5299.0, 5450.0, 5663.0, 5260.0, 5470.0, 5424.0, 5429.0, 5576.0 (number of hits: 3)

26	5280	9	1	333	1	5526.0, 5702.0, 5694.0, 5690.0, 5293.0, 5680.0, 5359.0, 5421.0, 5444.0, 5407.0, 5279.0, 5312.0, 5273.0, 5441.0, 5492.0, 5520.0, 5527.0, 5713.0, 5372.0, 5447.0, 5569.0, 5350.0, 5285.0, 5259.0, 5616.0, 5503.0, 5479.0, 5650.0, 5717.0, 5342.0, 5353.0, 5533.0, 5577.0, 5324.0, 5719.0, 5549.0, 5647.0, 5696.0, 5251.0, 5301.0, 5644.0, 5433.0, 5658.0, 5449.0, 5302.0, 5566.0, 5677.0, 5510.0, 5455.0, 5664.0, 5252.0, 5522.0, 5668.0, 5481.0, 5706.0, 5322.0, 5254.0, 5604.0, 5371.0, 5465.0, 5563.0, 5636.0, 5580.0, 5300.0, 5687.0, 5643.0, 5638.0, 5480.0, 5368.0, 5283.0, 5618.0, 5403.0, 5462.0, 5399.0, 5385.0, 5565.0, 5711.0, 5625.0, 5320.0, 5676.0, 5655.0, 5500.0, 5391.0, 5576.0, 5275.0, 5488.0, 5470.0, 5603.0, 5260.0, 5467.0, 5313.0, 5575.0, 5583.0, 5495.0, 5424.0, 5484.0, 5660.0, 5559.0, 5287.0, 5617.0 (number of hits: 8)
27	5280	9	1	333	1	5381.0, 5363.0, 5691.0, 5604.0, 5677.0, 5657.0, 5628.0, 5621.0, 5646.0, 5252.0, 5436.0, 5659.0, 5428.0, 5582.0, 5438.0, 5612.0, 5671.0, 5510.0, 5427.0, 5447.0, 5513.0, 5527.0, 5335.0, 5590.0, 5479.0, 5535.0, 5511.0, 5558.0, 5598.0, 5418.0, 5692.0, 5326.0, 5490.0, 5441.0, 5325.0, 5533.0, 5521.0, 5687.0, 5555.0, 5295.0, 5451.0, 5348.0, 5530.0, 5390.0, 5444.0, 5294.0, 5365.0, 5542.0, 5580.0, 5409.0, 5528.0, 5362.0, 5334.0, 5702.0, 5272.0, 5268.0, 5276.0, 5669.0, 5446.0, 5424.0, 5688.0, 5331.0, 5476.0, 5484.0, 5481.0, 5415.0, 5305.0, 5486.0, 5649.0, 5620.0, 5693.0, 5697.0, 5277.0, 5667.0, 5666.0, 5391.0, 5445.0, 5678.0, 5630.0, 5552.0, 5548.0, 5468.0, 5625.0, 5462.0, 5273.0, 5497.0, 5291.0, 5345.0, 5410.0, 5467.0, 5371.0, 5501.0, 5448.0, 5663.0, 5353.0, 5577.0, 5575.0, 5280.0, 5613.0, 5569.0 (number of hits: 4)
28	5280	9	1	333	1	5350.0, 5264.0, 5550.0, 5322.0, 5464.0, 5662.0, 5309.0, 5718.0, 5723.0, 5565.0, 5297.0, 5538.0, 5444.0, 5616.0, 5399.0, 5675.0, 5360.0, 5277.0, 5409.0, 5467.0, 5671.0, 5712.0, 5443.0, 5516.0, 5416.0, 5596.0, 5545.0, 5260.0, 5379.0, 5410.0, 5321.0, 5525.0, 5263.0, 5523.0, 5303.0, 5592.0, 5627.0, 5328.0, 5644.0, 5502.0, 5397.0, 5534.0, 5367.0, 5489.0, 5629.0, 5594.0, 5713.0, 5450.0, 5568.0, 5687.0, 5631.0, 5454.0, 5611.0, 5439.0, 5518.0, 5548.0, 5255.0, 5677.0, 5658.0, 5581.0, 5262.0, 5348.0, 5358.0, 5383.0, 5319.0, 5284.0, 5703.0, 5649.0, 5540.0, 5660.0, 5549.0, 5423.0, 5493.0, 5668.0, 5633.0, 5395.0, 5446.0, 5327.0, 5639.0, 5478.0, 5522.0, 5665.0, 5330.0, 5603.0, 5320.0,

						5653.0, 5369.0, 5343.0, 5326.0, 5685.0, 5344.0, 5433.0, 5637.0, 5666.0, 5363.0, 5407.0, 5531.0, 5381.0, 5487.0, 5486.0 (number of hits: 3)
29	5280	9	1	333	1	5634.0, 5405.0, 5577.0, 5631.0, 5351.0, 5609.0, 5359.0, 5401.0, 5272.0, 5637.0, 5527.0, 5431.0, 5314.0, 5661.0, 5692.0, 5283.0, 5604.0, 5514.0, 5570.0, 5356.0, 5593.0, 5415.0, 5717.0, 5349.0, 5395.0, 5693.0, 5699.0, 5519.0, 5281.0, 5421.0, 5476.0, 5358.0, 5647.0, 5579.0, 5268.0, 5439.0, 5434.0, 5284.0, 5340.0, 5583.0, 5503.0, 5606.0, 5541.0, 5492.0, 5616.0, 5504.0, 5363.0, 5646.0, 5344.0, 5576.0, 5449.0, 5270.0, 5649.0, 5408.0, 5645.0, 5650.0, 5565.0, 5310.0, 5566.0, 5623.0, 5478.0, 5526.0, 5404.0, 5350.0, 5568.0, 5373.0, 5621.0, 5501.0, 5611.0, 5411.0, 5494.0, 5700.0, 5255.0, 5453.0, 5651.0, 5592.0, 5713.0, 5552.0, 5681.0, 5399.0, 5636.0, 5698.0, 5543.0, 5342.0, 5438.0, 5389.0, 5424.0, 5535.0, 5548.0, 5282.0, 5279.0, 5387.0, 5413.0, 5712.0, 5608.0, 5547.0, 5599.0, 5457.0, 5590.0, 5491.0 (number of hits: 2)
30	5280	9	1	333	1	5459.0, 5351.0, 5272.0, 5528.0, 5323.0, 5438.0, 5396.0, 5504.0, 5660.0, 5436.0, 5628.0, 5331.0, 5630.0, 5332.0, 5551.0, 5267.0, 5599.0, 5418.0, 5428.0, 5594.0, 5539.0, 5699.0, 5704.0, 5394.0, 5383.0, 5637.0, 5677.0, 5473.0, 5346.0, 5253.0, 5653.0, 5434.0, 5621.0, 5675.0, 5390.0, 5632.0, 5333.0, 5395.0, 5449.0, 5545.0, 5500.0, 5402.0, 5339.0, 5550.0, 5513.0, 5270.0, 5661.0, 5406.0, 5265.0, 5601.0, 5643.0, 5413.0, 5507.0, 5666.0, 5370.0, 5345.0, 5703.0, 5650.0, 5288.0, 5369.0, 5582.0, 5362.0, 5297.0, 5525.0, 5564.0, 5713.0, 5481.0, 5366.0, 5499.0, 5546.0, 5472.0, 5261.0, 5605.0, 5667.0, 5512.0, 5255.0, 5466.0, 5437.0, 5491.0, 5356.0, 5423.0, 5538.0, 5606.0, 5401.0, 5664.0, 5615.0, 5580.0, 5619.0, 5385.0, 5329.0, 5471.0, 5450.0, 5695.0, 5617.0, 5569.0, 5313.0, 5327.0, 5720.0, 5344.0, 5641.0 (number of hits: 3)

5580 MHz, 20 MHz Bandwidth

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

Please refer to the following statistical tables:

5580 MHz, 20 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5580	78	1	678	1
2	5580	72	1	738	1
3	5580	63	1	838	1
4	5580	95	1	558	1
5	5580	68	1	778	1
6	5580	74	1	718	1
7	5580	67	1	798	1
8	5580	18	1	3066	1
9	5580	83	1	638	1
10	5580	59	1	898	1
11	5580	89	1	598	1
12	5580	99	1	538	1
13	5580	58	1	918	1
14	5580	61	1	878	1
15	5580	65	1	818	1
16	5580	21	1	2520	1
17	5580	77	1	691	1
18	5580	64	1	827	1
19	5580	20	1	2767	1
20	5580	46	1	1161	1
21	5580	51	1	1045	1
22	5580	41	1	1307	1
23	5580	44	1	1207	1
24	5580	26	1	2104	1
25	5580	21	1	2547	1
26	5580	18	1	3044	1
27	5580	18	1	2948	1
28	5580	61	1	877	1
29	5580	20	1	2762	1
30	5580	82	1	644	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	28	2.5	205	1
2	5580	28	3.2	212	1
3	5580	25	4.1	191	1
4	5580	24	4	185	1
5	5580	25	1.6	229	1
6	5580	27	4.8	201	1
7	5580	26	4.2	168	1
8	5580	23	4.5	227	1
9	5580	24	3.9	153	1
10	5580	23	4.9	224	1
11	5580	27	1.9	155	1
12	5580	28	2.5	187	1
13	5580	23	1.2	213	1
14	5580	25	4.8	185	1
15	5580	27	3.6	192	1
16	5580	27	1.9	212	1
17	5580	28	3.2	189	1
18	5580	27	1.9	194	1
19	5580	24	3.1	201	1
20	5580	29	4.4	204	1
21	5580	23	4	197	1
22	5580	27	3.4	184	1
23	5580	25	4	169	1
24	5580	28	4.6	162	1
25	5580	26	1.8	195	1
26	5580	28	1.4	199	1
27	5580	28	1.6	229	1
28	5580	27	2.3	188	1
29	5580	23	3.9	187	1
30	5580	26	4.4	153	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	7.9	314	1
2	5580	18	9.7	488	1
3	5580	18	9.2	328	1
4	5580	16	6.4	337	1
5	5580	18	9	248	1
6	5580	17	6.7	417	1
7	5580	18	6.4	334	1
8	5580	18	6.4	257	1
9	5580	17	6.1	421	1
10	5580	18	8.4	390	1
11	5580	17	8	273	1
12	5580	18	9.9	497	1
13	5580	16	7.9	283	1
14	5580	16	6.3	353	1
15	5580	18	8.9	241	1
16	5580	17	6.4	201	1
17	5580	18	6	302	1
18	5580	17	6.8	441	1
19	5580	17	9	262	1
20	5580	18	6.6	459	1
21	5580	17	8.7	459	1
22	5580	17	9.6	298	1
23	5580	18	8.4	417	1
24	5580	16	6.8	477	1
25	5580	17	6.2	439	1
26	5580	18	7.8	214	1
27	5580	17	9.8	389	1
28	5580	18	8.4	491	1
29	5580	18	10	446	1
30	5580	18	9.5	322	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5580	12	13.8	465	1
2	5580	15	14.8	408	1
3	5580	12	19.7	281	1
4	5580	13	13.6	399	1
5	5580	16	11.7	225	1
6	5580	12	12.2	384	1
7	5580	12	17.8	396	1
8	5580	12	15.4	440	1
9	5580	14	13.4	350	1
10	5580	14	16.9	410	1
11	5580	14	15.8	353	1
12	5580	16	14.7	382	1
13	5580	13	18.4	325	1
14	5580	14	13.6	424	1
15	5580	12	16.4	442	1
16	5580	13	12.1	252	1
17	5580	15	12.6	331	1
18	5580	14	19.6	323	1
19	5580	13	17.9	228	1
20	5580	16	12.6	373	1
21	5580	16	14.2	500	1
22	5580	15	18	204	1
23	5580	16	19.1	361	1
24	5580	12	14.5	469	1
25	5580	14	16.3	353	1
26	5580	12	18.3	209	1
27	5580	13	11.5	216	1
28	5580	14	16.7	229	1
29	5580	14	13.3	387	1
30	5580	13	16.7	425	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5582 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	7	91.9	1414		0.819239	1
1	2	18	82.6	1082		1.287023	
2	2	12	91.2	1669		2.061954	
3	2	17	92.2	1190		2.80616	
4	2	11	61.9	1481		4.18942	
5	3	19	89.7	1873	1909	5.058845	
6	3	17	82	1012	1706	5.221415	
7	3	8	98.7	1729	1972	6.135308	
8	2	18	82.5	1653		7.636992	
9	2	17	91.9	1310		8.291079	
10	3	19	59.7	1458	1764	8.76658	
11	2	6	94.1	1183		10.007061	
12	2	12	88.2	1970		10.829707	
13	2	17	62.2	1097		11.558574	

Bin5 Statistics 2

CF=5577 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	15	63.9	1317		0.379834	1
1	2	11	61.6	1157		0.977492	
2	1	14	89.9			1.541752	
3	1	8	74			2.345678	
4	2	14	64.1	1857		2.813959	
5	2	9	82.4	1206		3.018159	
6	2	16	65.2	1343		3.984112	
7	1	8	79.7			4.39301	
8	2	20	59.1	1944		4.822976	
9	2	9	54.3	1216		5.717164	
10	3	10	94.6	1969	1435	6.563407	
11	2	18	58.2	1642		7.069905	
12	2	16	90.1	1469		7.770346	
13	2	18	58.3	1534		7.987169	
14	1	6	63.4			8.570108	
15	3	8	63	1594	1936	9.161944	
16	2	10	79.5	1082		10.117242	
17	2	12	92.3	1622		10.291832	
18	3	7	83.1	1858	1940	11.205769	
19	2	5	93.3	1106		11.639238	

Bin5 Statistics 3

CF=5584 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	15	81.6	1747	1787	0.94009	
1	1	19	52.4			1.172774	
2	2	6	68.9	1760		2.778427	
3	2	16	98	1708		4.025	
4	2	15	97.6	1736		5.374908	
5	1	12	67.8			6.04218	1
6	1	7	85.9			6.619214	
7	2	18	50.9	1388		8.594215	
8	2	10	57.1	1985		9.744481	
9	2	16	69.5	1045		10.120275	
10	2	6	91.7	1262		11.903503	

Bin5 Statistics 4

CF=5576 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	13	65.6	1652		0.473918	
1	3	18	67.9	1814	1678	0.855569	
2	2	18	98.1	1944		1.71759	
3	1	8	61.5			2.29635	
4	1	17	82.8			2.74177	
5	3	11	86.8	1932	1324	3.530831	
6	2	7	83.4	1735		3.986185	
7	2	11	67.8	1132		4.694301	
8	2	8	99.6	1056		5.514473	
9	3	6	95	1145	1145	6.115609	1
10	1	10	92.4			6.804279	
11	2	14	58.1	1710		7.34748	
12	2	14	96.5	1179		7.851376	
13	3	9	75.6	1986	1793	8.402046	
14	2	16	67.8	1188		9.465689	
15	2	9	90.9	1463		9.857556	
16	1	16	81			10.340268	
17	1	9	90.5			11.312894	
18	3	10	61.4	1656	1336	11.71239	

Bin5 Statistics 5

CF=5577 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	19	74.6	1443	1006	0.16174	1
1	1	8	79.3			0.956391	
2	2	10	58.4	1694		1.678749	
3	2	5	93.6	1436		2.170274	
4	1	20	66			2.67143	
5	2	15	54.5	1631		3.584582	
6	1	13	86.3			4.184286	
7	2	17	84.3	1568		5.039127	
8	3	19	73.9	1272	1067	5.90425	
9	3	9	50.6	1755	1405	6.223523	
10	3	18	53.4	1358	1894	7.321169	
11	1	12	84.1			7.773644	
12	2	17	72.8	1072		8.126362	
13	3	20	87.8	1730	1016	9.096265	
14	3	9	94.6	1299	1655	9.635664	
15	2	14	51.5	1314		10.591857	
16	2	17	84.1	1414		11.256038	
17	2	7	94.4	1537		11.628824	

Bin5 Statistics 6

CF=5575 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	12	91.2	1471	1613	0.824509	1
1	2	10	80.6	1239		1.351608	
2	1	6	90.2			2.718133	
3	3	13	88.5	1643	1346	3.372353	
4	1	16	94.5			4.409631	
5	3	20	99.5	1524	1297	5.325217	
6	3	6	88.1	1443	1248	5.84443	
7	3	16	63	1251	1375	6.805778	
8	2	8	76.2	1803		8.185952	
9	2	8	92.9	1363		8.7563	
10	3	20	53	1572	1143	9.53318	
11	2	7	69.3	1211		10.283344	
12	2	7	67.6	1546		11.174078	

Bin5 Statistics 7

CF=5576 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	10	68.8	1666	1820	0.003729	1
1	1	18	92.6			1.403761	
2	1	18	64.9			2.353233	
3	1	12	76.2			2.843528	
4	2	15	50.3	1446		3.751116	
5	3	16	52.4	1230	1975	4.085511	
6	2	12	81.2	1681		5.295204	
7	3	15	70.3	1026	1083	6.233579	
8	3	17	78.1	1443	1133	6.59087	
9	2	8	58.8	1169		7.601207	
10	3	18	91.6	1712	1270	8.735738	
11	1	8	82.3			8.820803	
12	2	8	65.7	1015		10.184337	
13	2	19	53.9	1193		10.758067	
14	2	9	70.5	1204		11.978507	

Bin5 Statistics 8

CF=5585 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	67.3			0.259204	1
1	2	13	64.2	1061		0.942184	
2	3	14	80.2	1109	1496	2.524589	
3	2	13	50.8	1247		3.158401	
4	2	18	66	1169		4.322199	
5	2	17	78.7	1894		5.092354	
6	2	7	68.3	1078		6.368499	
7	2	10	51.9	1631		6.647648	
8	3	8	63.6	1539	1644	7.492578	
9	2	19	65.7	1213		8.970352	
10	1	17	74.8			9.507789	
11	2	20	53.1	1913		10.472541	
12	2	14	93.9	1653		11.596803	

Bin5 Statistics 9

CF=5584 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	71.7	1456		0.24056	1
1	1	19	97.6			1.452328	
2	1	13	50.6			2.10884	
3	3	12	99	1462	1635	2.59482	
4	1	15	71.8			3.99059	
5	2	9	87.4	1314		4.23277	
6	3	15	98.8	1650	1573	5.585619	
7	1	8	96.6			5.859332	
8	1	7	52			7.120548	
9	2	7	90.5	1811		7.719101	
10	3	12	60.4	1802	1410	8.246258	
11	1	12	94			9.258234	
12	3	11	68.2	1791	1587	10.099869	
13	1	14	71.5			10.542923	
14	1	10	69.9			11.829516	

Bin5 Statistics 10

CF=5588 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	12	88.5			0.690941	
1	1	18	87			1.553304	
2	2	13	85	1436		2.196574	
3	2	9	68.6	1058		2.863273	
4	1	11	99.9			3.242182	
5	2	16	66.5	1080		4.366449	
6	1	6	68.1			4.845386	
7	2	20	90.4	1198		5.824275	1
8	2	17	70.3	1225		6.682878	
9	2	19	82.8	1376		7.389092	
10	3	16	68.3	1302	1084	8.06205	
11	2	6	84.6	1044		9.372462	
12	2	10	56.3	1676		10.227822	
13	2	6	73.5	1778		10.735813	
14	2	19	71.3	1781		11.774983	

Bin5 Statistics 11

CF=5582 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	8	75.9	1654	1534	0.028451	
1	3	13	68.8	1716	1537	1.284305	
2	2	15	59.8	1988		2.278973	
3	1	15	50.1			3.386854	
4	2	10	56	1412		3.886044	
5	2	12	73	1693		4.884903	
6	2	13	67.3	1399		6.271094	1
7	2	12	84.1	1868		6.946095	
8	2	11	97.9	1810		8.074274	
9	1	15	72.6			8.984429	
10	2	16	75.6	1610		9.686131	
11	2	7	54.9	1786		10.444397	
12	2	11	91.6	1955		11.645156	

Bin5 Statistics 12

CF=5576 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	61.8	1849		0.273413	1
1	1	10	71.6			1.234166	
2	3	19	97.5	1291	1670	2.656463	
3	2	19	56.2	1111		3.305511	
4	2	12	61.7	1620		4.886347	
5	2	11	57.7	1207		5.224698	
6	2	19	96.4	1617		6.31628	
7	2	6	70.3	1142		7.565383	
8	2	15	69.2	1075		8.272055	
9	3	18	69.6	1898	1609	9.591355	
10	2	11	92.1	1442		10.213611	
11	2	7	51.2	1518		11.078188	

Bin5 Statistics 13

CF=5572 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	69	1061		0.663536	1
1	2	7	81.7	1089		1.268126	
2	1	10	64.1			2.603543	
3	3	12	66.2	1092	1873	3.58499	
4	3	9	57.3	1124	1087	4.147519	
5	3	18	69.9	1916	1728	4.831943	
6	3	16	95.3	1825	1647	6.445529	
7	2	18	62.3	1148		6.936837	
8	1	18	96.4			7.562828	
9	2	9	82	1724		8.876242	
10	2	7	79.3	1901		10.089224	
11	3	6	97.9	1748	1799	11.05254	
12	1	12	80.3			11.34585	

Bin5 Statistics 14

CF=5574 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	19	68.9	1591	1347	0.516887	1
1	2	14	91.8	1632		0.850804	
2	2	7	90	1401		1.576017	
3	2	18	50	1226		2.65486	
4	1	11	82.3			3.177766	
5	1	6	68.9			4.105875	
6	2	9	78.4	1386		4.764008	
7	1	13	96.4			5.352169	
8	1	8	58.5			6.561591	
9	2	6	79.8	1828		7.152001	
10	3	16	69.8	1960	1353	7.893752	
11	2	5	65.3	1634		8.936701	
12	2	17	94.8	1210		9.50211	
13	3	7	94.4	1176	1076	10.174346	
14	2	7	91.8	1529		11.066838	
15	2	9	97.5	1352		11.300754	

Bin5 Statistics 15

CF=5578 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	13	52.3	1565		0.724321	1
1	2	18	88.1	1344		1.206968	
2	2	17	68	1158		2.740168	
3	3	8	79.6	1963	1640	3.3389	
4	2	8	84.9	1839		5.269615	
5	1	13	61.8			6.415295	
6	3	7	91.4	1878	1633	7.421041	
7	2	19	75.2	1817		7.76672	
8	2	19	67.1	1966		8.979878	
9	2	8	85	1248		10.08221	
10	1	8	79.7			11.503542	

Bin5 Statistics 16

CF=5572 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	75.6	1342		0.105391	1
1	2	9	94.7	1001		0.978977	
2	2	12	60.3	1716		2.409338	
3	2	13	86.8	1892		3.247565	
4	3	7	51.8	1542	1456	3.670584	
5	1	14	92.8			4.324631	
6	1	14	54.9			5.315626	
7	3	10	89.9	1151	1491	6.061829	
8	2	14	73.6	1609		7.520519	
9	2	9	65	1537		8.277523	
10	2	19	92.9	1142		9.111489	
11	1	11	51.3			9.557044	
12	2	15	61.3	1899		10.379933	
13	2	20	57	1960		11.501004	

Bin5 Statistics 17

CF=5586 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	84.5	1986		0.140361	1
1	3	14	63.9	1803	1245	0.842599	
2	2	14	53.3	1663		1.517432	
3	2	11	52.5	1341		2.397186	
4	2	9	67	1243		2.938458	
5	3	10	53.6	1908	1755	3.622667	
6	2	12	76.5	1938		4.48714	
7	3	15	60	1299	1713	5.191356	
8	3	17	53.2	1808	1299	5.806333	
9	2	19	50.3	1918		6.105878	
10	2	9	95.4	1022		7.210417	
11	3	19	84	1374	1277	7.487754	
12	2	7	65.1	1850		8.638709	
13	3	19	92.5	1386	1147	8.979921	
14	1	12	98.9			9.851644	
15	2	6	79.6	1406		10.452116	
16	3	11	69.9	1440	1432	10.830045	
17	3	11	70.1	1869	1501	11.990821	

Bin5 Statistics 18

CF=5581 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	84	1304	1648	1.039637	1
1	2	16	96.4	1609		1.626351	
2	1	6	91.3			2.780558	
3	2	19	96.2	1817		4.620456	
4	2	12	59.9	1051		6.652555	
5	2	15	98.2	1966		6.854411	
6	1	6	68.3			9.250543	
7	2	8	95.1	1620		10.1928	
8	2	9	60.8	1608		11.809815	

Bin5 Statistics 19

CF=5587 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	19	76	1626		0.610249	1
1	3	14	88.8	1174	1019	1.296815	
2	2	10	59.2	1092		2.160424	
3	1	11	80.6			2.483472	
4	2	7	94.3	1388		3.130841	
5	2	6	75.4	1671		4.036703	
6	2	7	95.3	1086		4.835512	
7	1	9	86.7			5.893311	
8	3	17	71.6	1388	1875	6.208609	
9	3	19	95	1580	1188	7.087774	
10	2	11	76.5	1280		7.762948	
11	2	12	99.3	1811		8.85791	
12	3	16	98.1	1868	1886	9.341775	
13	3	9	64.5	1962	1268	10.397336	
14	2	17	80.3	1025		11.208313	
15	3	8	96.3	1760	1855	11.855623	

Bin5 Statistics 20

CF=5588 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	16	61.9	1164	1157	0.072099	1
1	3	15	65.7	1396	1994	0.666321	
2	1	20	96.3			1.396237	
3	3	6	64.4	1727	1869	2.197406	
4	2	9	57.5	1586		2.460285	
5	1	9	90.5			3.447632	
6	2	7	72.5	1806		3.89545	
7	1	9	63.8			4.223905	
8	1	19	71.1			5.306612	
9	2	19	94.4	1105		5.862788	
10	2	15	78.3	1225		6.395321	
11	2	7	58	1635		7.194315	
12	1	18	95.3			7.667153	
13	1	13	98.3			7.919481	
14	1	6	59.8			8.528982	
15	2	15	90.5	1165		9.27139	
16	2	12	63.3	1840		9.89076	
17	2	18	97.6	1166		10.453494	
18	2	20	88.3	1520		10.938088	
19	2	19	75.1	1692		11.720205	

Bin5 Statistics 21

CF=5579 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	7	83.2	1236		0.198531	
1	3	20	78	1473	1222	1.379288	
2	2	7	85.4	1355		2.376956	
3	1	20	58.6			3.196241	
4	2	18	84.7	1856		3.202311	
5	2	7	74.4	1386		4.144822	
6	2	15	64.9	1143		4.84842	
7	3	14	75.7	1298	1838	5.800879	1
8	1	16	79.4			6.586403	
9	2	14	85.2	1818		7.615648	
10	2	10	82.4	1627		8.163901	
11	1	17	84.6			8.990848	
12	2	14	75.6	1112		9.836508	
13	2	5	86.9	1997		10.776494	
14	1	7	78.4			11.818393	

Bin5 Statistics 22

CF=5579 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	16	86.2	1177	1366	0.328491	1
1	2	17	77.5	1093		0.906171	
2	2	8	72.4	1919		1.252457	
3	2	13	70.5	1227		2.353117	
4	1	14	75.6			2.769181	
5	2	18	99.7	1699		3.496721	
6	2	12	65.4	1926		3.735999	
7	2	11	91.2	1804		4.311156	
8	2	19	89.1	1436		4.872798	
9	2	11	93.6	1269		5.66415	
10	1	12	74.2			6.447413	
11	3	17	96.2	1552	1357	6.940862	
12	2	13	83.6	1221		7.575663	
13	1	15	50.9			8.116931	
14	1	9	83.7			8.989522	
15	2	8	80.8	1312		9.116918	
16	2	11	79	1531		10.133288	
17	3	9	72.1	1310	1017	10.518355	
18	3	19	69.9	1197	1390	10.925275	
19	2	15	92.7	1513		11.903158	

Bin5 Statistics 23

CF=5577 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	13	81	1871		0.852869	1
1	3	18	74.5	1245	1833	2.062713	
2	2	15	74.6	1233		2.727774	
3	2	19	97.1	1981		3.978196	
4	3	16	96	1069	1586	5.320762	
5	2	10	55.6	1505		5.797285	
6	3	5	56.3	1545	1489	7.051835	
7	3	15	78.4	1982	1716	8.526825	
8	2	5	67.8	1708		9.55647	
9	2	14	56.2	1693		10.00538	
10	2	10	73.6	1872		11.251065	

Bin5 Statistics 24

CF=5580 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	9	79.7			0.27619	1
1	3	12	59	1242	1732	1.325377	
2	3	10	73.5	1239	1253	1.771351	
3	2	16	79.8	1164		2.178432	
4	2	15	59.6	1957		3.514686	
5	1	13	81.9			3.905856	
6	2	7	63.8	1924		4.253387	
7	2	10	62.1	1436		5.030034	
8	2	10	60.9	1494		6.244094	
9	2	19	88.8	1654		6.985355	
10	1	7	79			7.436364	
11	1	11	98.8			7.845711	
12	1	7	75.3			8.556086	
13	2	7	98	1405		9.272949	
14	2	19	64	1036		10.406662	
15	3	5	59.7	1359	1765	10.741518	
16	1	9	81.8			11.69979	

Bin5 Statistics 25

CF=5572 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	98.8			0.32982	1
1	2	8	80	1345		1.07311	
2	3	15	99.3	1313	1195	2.546277	
3	1	11	72.3			2.878369	
4	1	11	91.4			3.640862	
5	2	9	75.2	1417		4.572303	
6	3	12	100	1588	1849	5.640966	
7	2	15	66.4	1274		6.528453	
8	2	17	95.6	1418		7.481153	
9	1	18	65			8.42263	
10	2	9	67.7	1578		8.898267	
11	1	18	70.3			9.528577	
12	3	19	50.8	1997	1644	11.129252	
13	2	16	71.9	1800		11.549306	

Bin5 Statistics 26

CF=5579 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	18	66.7	1258		0.496713	1
1	2	18	80.6	1335		1.246691	
2	2	7	72.4	1543		1.866036	
3	2	13	50.9	1588		3.227423	
4	3	7	50.3	1619	1229	4.418377	
5	3	7	87.6	1301	1906	4.671286	
6	2	20	99.8	1226		6.19559	
7	2	6	99.7	1182		6.546112	
8	2	16	97.8	1555		7.76639	
9	2	6	81.3	1435		8.972535	
10	3	12	99.4	1044	1971	9.326752	
11	1	17	96.7			10.735237	
12	1	16	78.2			11.974148	

Bin5 Statistics 27

CF=5585 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	9	65.1	1836	1214	0.851947	1
1	3	12	66	1670	1273	2.178336	
2	1	12	55.7			3.628217	
3	2	14	62.4	1368		5.30868	
4	2	17	88.6	1340		7.027481	
5	3	18	67.3	1363	1265	8.363568	
6	2	9	57.8	1059		9.143272	
7	1	19	63.2			11.432183	

Bin5 Statistics 28

CF=5582 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	18	73.7	1217		0.687868	1
1	3	14	98.9	1323	1326	1.894622	
2	2	19	67	1346		2.780243	
3	3	9	91.2	1763	1412	4.130989	
4	2	9	54.5	1329		5.793008	
5	3	17	95.3	1870	1258	6.817988	
6	2	7	83.4	1756		7.790693	
7	2	20	65.6	1627		9.006304	
8	2	8	59.5	1703		10.073326	
9	3	14	60.3	1197	1428	11.457652	

Bin5 Statistics 29

CF=5583 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	12	64.3			0.041032	1
1	2	9	70.9	1882		0.700343	
2	1	12	58.9			1.293102	
3	1	9	89.1			2.378333	
4	2	16	84.1	1223		2.678452	
5	2	7	89.1	1447		3.319874	
6	1	17	92.9			4.214942	
7	1	15	92.7			4.74115	
8	1	9	70.1			5.444881	
9	1	7	90.3			5.895406	
10	2	18	50.5	1011		6.432152	
11	2	13	63.5	1270		7.492907	
12	2	14	74.6	1365		7.767475	
13	2	14	80.3	1884		8.58081	
14	3	11	92.5	1505	1177	9.030695	
15	2	13	61.8	1849		10.009919	
16	2	16	60.4	1991		10.24376	
17	2	19	61	1746		11.330354	
18	2	18	52.6	1894		11.481909	

Bin5 Statistics 30

CF=5580 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	8	67.5			0.664396	1
1	2	8	91.1	1602		1.854081	
2	3	10	62.4	1177	1189	3.648205	
3	3	8	74.9	1305	1166	4.897409	
4	2	6	92.7	1700		5.990787	
5	3	9	67.9	1558	1871	6.824781	
6	2	13	66	1099		8.364212	
7	3	14	51	1242	1144	10.530143	
8	3	8	79.9	1303	1999	11.366748	

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	5586.0, 5355.0, 5498.0, 5639.0, 5635.0, 5715.0, 5701.0, 5271.0, 5533.0, 5457.0, 5682.0, 5279.0, 5315.0, 5510.0, 5450.0, 5284.0, 5272.0, 5416.0, 5598.0, 5548.0, 5526.0, 5628.0, 5720.0, 5539.0, 5636.0, 5550.0, 5683.0, 5292.0, 5472.0, 5613.0, 5313.0, 5441.0, 5403.0, 5414.0, 5469.0, 5702.0, 5400.0, 5360.0, 5624.0, 5621.0, 5359.0, 5369.0, 5321.0, 5304.0, 5630.0, 5480.0, 5263.0, 5485.0, 5673.0, 5579.0, 5605.0, 5552.0, 5314.0, 5459.0, 5666.0, 5278.0, 5513.0, 5700.0, 5282.0, 5622.0, 5555.0, 5718.0, 5623.0, 5610.0, 5368.0, 5617.0, 5275.0, 5474.0, 5460.0, 5591.0, 5341.0, 5690.0, 5361.0, 5562.0, 5258.0, 5261.0, 5429.0, 5612.0, 5401.0, 5708.0, 5657.0, 5342.0, 5638.0, 5517.0, 5467.0, 5693.0, 5420.0, 5422.0, 5531.0, 5664.0, 5512.0, 5696.0, 5455.0, 5378.0, 5443.0, 5266.0, 5511.0, 5487.0, 5532.0, 5380.0 (number of hits: 4)
2	5580	9	1	333	1	5493.0, 5464.0, 5357.0, 5714.0, 5377.0, 5620.0, 5387.0, 5610.0, 5267.0, 5612.0, 5573.0, 5513.0, 5504.0, 5702.0, 5718.0, 5508.0, 5668.0, 5497.0, 5704.0, 5587.0, 5523.0, 5514.0, 5271.0, 5583.0, 5467.0, 5418.0, 5475.0, 5662.0, 5532.0, 5676.0, 5484.0, 5345.0, 5279.0, 5564.0, 5618.0, 5266.0, 5438.0, 5434.0, 5264.0, 5710.0, 5285.0, 5348.0, 5715.0, 5599.0, 5539.0, 5648.0, 5580.0, 5422.0, 5722.0, 5688.0, 5402.0, 5653.0, 5515.0, 5405.0, 5295.0, 5558.0, 5346.0, 5597.0, 5440.0, 5614.0, 5453.0, 5673.0, 5344.0, 5336.0, 5469.0, 5647.0, 5635.0, 5537.0, 5337.0, 5518.0, 5459.0, 5567.0, 5559.0, 5677.0, 5545.0, 5445.0, 5408.0, 5426.0, 5482.0, 5530.0, 5638.0, 5481.0, 5358.0, 5258.0, 5259.0, 5617.0, 5695.0, 5463.0, 5457.0, 5394.0, 5341.0, 5524.0, 5301.0, 5696.0, 5563.0, 5365.0, 5674.0, 5652.0, 5595.0, 5364.0 (number of hits: 3)
3	5580	9	1	333	1	5712.0, 5453.0, 5434.0, 5607.0, 5522.0, 5716.0, 5360.0, 5724.0, 5319.0, 5648.0, 5549.0, 5385.0, 5456.0, 5461.0, 5504.0, 5322.0, 5320.0, 5495.0, 5599.0, 5693.0, 5296.0, 5722.0, 5702.0, 5271.0, 5695.0, 5711.0, 5401.0, 5622.0, 5361.0, 5457.0, 5655.0, 5663.0, 5574.0, 5689.0, 5638.0, 5511.0, 5540.0, 5523.0, 5265.0, 5341.0, 5521.0, 5673.0, 5395.0, 5424.0, 5330.0, 5317.0, 5308.0, 5601.0, 5384.0, 5443.0, 5664.0, 5312.0, 5527.0, 5719.0, 5431.0, 5392.0, 5448.0, 5313.0, 5275.0, 5262.0,

						5684.0, 5650.0, 5328.0, 5514.0, 5536.0, 5565.0, 5335.0, 5533.0, 5544.0, 5538.0, 5671.0, 5393.0, 5447.0, 5397.0, 5555.0, 5366.0, 5496.0, 5609.0, 5634.0, 5469.0, 5406.0, 5685.0, 5720.0, 5471.0, 5437.0, 5624.0, 5299.0, 5282.0, 5573.0, 5314.0, 5357.0, 5403.0, 5315.0, 5705.0, 5508.0, 5590.0, 5302.0, 5668.0, 5396.0, 5647.0 (number of hits: 7)
4	5580	9	1	333	1	5628.0, 5620.0, 5260.0, 5588.0, 5253.0, 5673.0, 5624.0, 5448.0, 5638.0, 5300.0, 5342.0, 5561.0, 5368.0, 5545.0, 5334.0, 5455.0, 5288.0, 5499.0, 5279.0, 5337.0, 5639.0, 5292.0, 5670.0, 5468.0, 5486.0, 5680.0, 5565.0, 5551.0, 5430.0, 5388.0, 5390.0, 5400.0, 5420.0, 5364.0, 5343.0, 5509.0, 5494.0, 5714.0, 5692.0, 5452.0, 5602.0, 5613.0, 5366.0, 5519.0, 5686.0, 5414.0, 5257.0, 5538.0, 5604.0, 5585.0, 5668.0, 5704.0, 5578.0, 5540.0, 5383.0, 5592.0, 5275.0, 5696.0, 5596.0, 5396.0, 5282.0, 5285.0, 5586.0, 5336.0, 5633.0, 5575.0, 5598.0, 5384.0, 5523.0, 5573.0, 5304.0, 5532.0, 5533.0, 5511.0, 5642.0, 5421.0, 5655.0, 5484.0, 5632.0, 5496.0, 5416.0, 5354.0, 5647.0, 5569.0, 5419.0, 5359.0, 5485.0, 5721.0, 5601.0, 5355.0, 5252.0, 5335.0, 5645.0, 5597.0, 5581.0, 5409.0, 5459.0, 5372.0, 5460.0, 5528.0 (number of hits: 5)
5	5580	9	1	333	1	5428.0, 5588.0, 5326.0, 5545.0, 5695.0, 5681.0, 5604.0, 5511.0, 5443.0, 5369.0, 5297.0, 5423.0, 5270.0, 5354.0, 5312.0, 5647.0, 5666.0, 5632.0, 5552.0, 5357.0, 5521.0, 5719.0, 5518.0, 5422.0, 5517.0, 5546.0, 5376.0, 5630.0, 5628.0, 5505.0, 5315.0, 5639.0, 5723.0, 5529.0, 5485.0, 5412.0, 5318.0, 5659.0, 5559.0, 5288.0, 5289.0, 5669.0, 5516.0, 5510.0, 5325.0, 5566.0, 5476.0, 5374.0, 5491.0, 5509.0, 5690.0, 5365.0, 5484.0, 5682.0, 5313.0, 5499.0, 5410.0, 5667.0, 5452.0, 5384.0, 5420.0, 5323.0, 5294.0, 5496.0, 5661.0, 5563.0, 5560.0, 5645.0, 5683.0, 5701.0, 5629.0, 5302.0, 5261.0, 5267.0, 5605.0, 5389.0, 5612.0, 5506.0, 5368.0, 5415.0, 5351.0, 5381.0, 5702.0, 5345.0, 5711.0, 5331.0, 5347.0, 5339.0, 5342.0, 5591.0, 5710.0, 5620.0, 5393.0, 5338.0, 5721.0, 5627.0, 5459.0, 5651.0, 5353.0, 5689.0 (number of hits: 7)
6	5580	9	1	333	1	5692.0, 5263.0, 5674.0, 5647.0, 5299.0, 5456.0, 5307.0, 5604.0, 5503.0, 5479.0, 5562.0, 5425.0, 5465.0, 5579.0, 5277.0, 5528.0, 5722.0, 5289.0, 5398.0, 5294.0, 5397.0, 5311.0, 5720.0, 5648.0, 5534.0, 5377.0, 5414.0, 5682.0, 5268.0, 5313.0, 5303.0, 5413.0, 5576.0, 5495.0, 5409.0, 5504.0, 5346.0, 5432.0, 5461.0, 5379.0,

						5589.0, 5558.0, 5709.0, 5331.0, 5531.0, 5450.0, 5583.0, 5625.0, 5369.0, 5724.0, 5330.0, 5532.0, 5284.0, 5552.0, 5657.0, 5408.0, 5309.0, 5283.0, 5702.0, 5477.0, 5629.0, 5395.0, 5676.0, 5437.0, 5721.0, 5427.0, 5385.0, 5321.0, 5711.0, 5406.0, 5585.0, 5370.0, 5339.0, 5568.0, 5513.0, 5652.0, 5615.0, 5540.0, 5612.0, 5452.0, 5270.0, 5453.0, 5544.0, 5466.0, 5300.0, 5258.0, 5310.0, 5557.0, 5669.0, 5695.0, 5360.0, 5717.0, 5561.0, 5476.0, 5487.0, 5587.0, 5607.0, 5361.0, 5344.0, 5514.0 (number of hits: 10)
7	5580	9	1	333	1	5547.0, 5253.0, 5379.0, 5666.0, 5484.0, 5560.0, 5268.0, 5470.0, 5409.0, 5398.0, 5341.0, 5618.0, 5507.0, 5641.0, 5583.0, 5638.0, 5575.0, 5677.0, 5661.0, 5595.0, 5651.0, 5614.0, 5676.0, 5257.0, 5713.0, 5720.0, 5403.0, 5452.0, 5555.0, 5533.0, 5466.0, 5594.0, 5604.0, 5721.0, 5678.0, 5656.0, 5622.0, 5410.0, 5304.0, 5637.0, 5259.0, 5500.0, 5342.0, 5308.0, 5351.0, 5317.0, 5324.0, 5607.0, 5664.0, 5557.0, 5578.0, 5288.0, 5552.0, 5503.0, 5711.0, 5531.0, 5394.0, 5390.0, 5700.0, 5461.0, 5487.0, 5372.0, 5428.0, 5431.0, 5621.0, 5489.0, 5571.0, 5693.0, 5460.0, 5608.0, 5260.0, 5564.0, 5640.0, 5473.0, 5276.0, 5603.0, 5347.0, 5346.0, 5464.0, 5302.0, 5469.0, 5269.0, 5254.0, 5296.0, 5712.0, 5441.0, 5316.0, 5457.0, 5311.0, 5606.0, 5543.0, 5471.0, 5632.0, 5716.0, 5628.0, 5455.0, 5670.0, 5447.0, 5592.0, 5433.0 (number of hits: 6)
8	5580	9	1	333	1	5685.0, 5426.0, 5693.0, 5461.0, 5254.0, 5368.0, 5286.0, 5614.0, 5357.0, 5304.0, 5607.0, 5482.0, 5554.0, 5530.0, 5331.0, 5452.0, 5478.0, 5429.0, 5636.0, 5720.0, 5572.0, 5335.0, 5290.0, 5508.0, 5620.0, 5505.0, 5609.0, 5289.0, 5369.0, 5658.0, 5669.0, 5709.0, 5587.0, 5383.0, 5663.0, 5628.0, 5612.0, 5653.0, 5455.0, 5507.0, 5545.0, 5626.0, 5599.0, 5450.0, 5343.0, 5635.0, 5529.0, 5270.0, 5386.0, 5257.0, 5664.0, 5287.0, 5292.0, 5395.0, 5446.0, 5355.0, 5689.0, 5282.0, 5324.0, 5584.0, 5285.0, 5259.0, 5476.0, 5421.0, 5443.0, 5506.0, 5591.0, 5563.0, 5432.0, 5274.0, 5641.0, 5613.0, 5299.0, 5382.0, 5627.0, 5649.0, 5284.0, 5602.0, 5698.0, 5557.0, 5519.0, 5553.0, 5592.0, 5441.0, 5438.0, 5706.0, 5634.0, 5263.0, 5400.0, 5298.0, 5573.0, 5502.0, 5362.0, 5407.0, 5251.0, 5642.0, 5416.0, 5354.0, 5297.0, 5370.0 (number of hits: 10)
9	5580	9	1	333	1	5657.0, 5571.0, 5664.0, 5354.0, 5595.0, 5366.0, 5396.0, 5270.0, 5523.0, 5654.0, 5609.0, 5394.0, 5679.0, 5585.0, 5362.0, 5678.0, 5320.0, 5484.0, 5699.0, 5296.0,

						5614.0, 5471.0, 5309.0, 5283.0, 5709.0, 5552.0, 5499.0, 5401.0, 5272.0, 5565.0, 5673.0, 5559.0, 5338.0, 5558.0, 5372.0, 5323.0, 5667.0, 5428.0, 5353.0, 5715.0, 5630.0, 5656.0, 5666.0, 5421.0, 5515.0, 5441.0, 5467.0, 5403.0, 5352.0, 5335.0, 5324.0, 5512.0, 5330.0, 5507.0, 5445.0, 5393.0, 5684.0, 5660.0, 5662.0, 5651.0, 5554.0, 5333.0, 5671.0, 5613.0, 5443.0, 5721.0, 5661.0, 5391.0, 5718.0, 5395.0, 5398.0, 5519.0, 5639.0, 5412.0, 5380.0, 5425.0, 5450.0, 5708.0, 5593.0, 5318.0, 5663.0, 5289.0, 5511.0, 5505.0, 5273.0, 5292.0, 5621.0, 5305.0, 5623.0, 5616.0, 5581.0, 5500.0, 5634.0, 5480.0, 5384.0, 5643.0, 5586.0, 5261.0, 5645.0, 5553.0 (number of hits: 5)
10	5580	9	1	333	1	5325.0, 5354.0, 5647.0, 5387.0, 5444.0, 5270.0, 5577.0, 5500.0, 5305.0, 5597.0, 5447.0, 5430.0, 5259.0, 5467.0, 5565.0, 5314.0, 5566.0, 5398.0, 5633.0, 5484.0, 5569.0, 5459.0, 5551.0, 5336.0, 5498.0, 5254.0, 5513.0, 5714.0, 5651.0, 5299.0, 5599.0, 5283.0, 5495.0, 5458.0, 5365.0, 5669.0, 5554.0, 5428.0, 5349.0, 5376.0, 5474.0, 5581.0, 5612.0, 5300.0, 5616.0, 5630.0, 5683.0, 5334.0, 5344.0, 5672.0, 5385.0, 5492.0, 5628.0, 5507.0, 5535.0, 5639.0, 5568.0, 5707.0, 5590.0, 5352.0, 5667.0, 5367.0, 5317.0, 5413.0, 5415.0, 5289.0, 5438.0, 5402.0, 5610.0, 5632.0, 5661.0, 5456.0, 5262.0, 5510.0, 5543.0, 5696.0, 5521.0, 5423.0, 5443.0, 5486.0, 5276.0, 5483.0, 5303.0, 5263.0, 5449.0, 5362.0, 5508.0, 5420.0, 5417.0, 5601.0, 5301.0, 5373.0, 5265.0, 5330.0, 5488.0, 5621.0, 5650.0, 5699.0, 5452.0, 5604.0 (number of hits: 7)
11	5580	9	1	333	1	5558.0, 5476.0, 5365.0, 5704.0, 5572.0, 5536.0, 5593.0, 5395.0, 5304.0, 5615.0, 5407.0, 5405.0, 5623.0, 5486.0, 5279.0, 5472.0, 5356.0, 5421.0, 5460.0, 5639.0, 5290.0, 5709.0, 5491.0, 5316.0, 5490.0, 5618.0, 5339.0, 5370.0, 5297.0, 5686.0, 5578.0, 5675.0, 5586.0, 5373.0, 5574.0, 5281.0, 5543.0, 5598.0, 5294.0, 5514.0, 5441.0, 5705.0, 5661.0, 5535.0, 5517.0, 5438.0, 5362.0, 5651.0, 5499.0, 5299.0, 5413.0, 5521.0, 5605.0, 5330.0, 5690.0, 5659.0, 5450.0, 5252.0, 5534.0, 5660.0, 5434.0, 5712.0, 5487.0, 5564.0, 5691.0, 5553.0, 5328.0, 5311.0, 5317.0, 5669.0, 5302.0, 5309.0, 5622.0, 5388.0, 5626.0, 5479.0, 5621.0, 5409.0, 5566.0, 5261.0, 5648.0, 5650.0, 5717.0, 5327.0, 5295.0, 5724.0, 5697.0, 5321.0, 5497.0, 5430.0, 5419.0, 5483.0, 5306.0, 5322.0, 5713.0, 5619.0, 5406.0, 5502.0, 5708.0, 5463.0 (number of hits: 10)

12	5580	9	1	333	1	5394.0, 5373.0, 5467.0, 5454.0, 5305.0, 5377.0, 5631.0, 5448.0, 5479.0, 5567.0, 5629.0, 5501.0, 5549.0, 5654.0, 5328.0, 5605.0, 5348.0, 5517.0, 5683.0, 5272.0, 5504.0, 5720.0, 5594.0, 5531.0, 5278.0, 5651.0, 5600.0, 5364.0, 5626.0, 5350.0, 5445.0, 5499.0, 5391.0, 5307.0, 5568.0, 5494.0, 5525.0, 5442.0, 5416.0, 5421.0, 5705.0, 5723.0, 5592.0, 5297.0, 5450.0, 5696.0, 5522.0, 5639.0, 5480.0, 5403.0, 5399.0, 5312.0, 5719.0, 5559.0, 5515.0, 5718.0, 5384.0, 5551.0, 5598.0, 5505.0, 5670.0, 5465.0, 5251.0, 5585.0, 5510.0, 5633.0, 5258.0, 5630.0, 5335.0, 5457.0, 5250.0, 5561.0, 5428.0, 5674.0, 5690.0, 5407.0, 5545.0, 5536.0, 5356.0, 5711.0, 5474.0, 5296.0, 5528.0, 5495.0, 5508.0, 5259.0, 5615.0, 5691.0, 5468.0, 5354.0, 5697.0, 5623.0, 5369.0, 5599.0, 5562.0, 5291.0, 5575.0, 5550.0, 5602.0, 5265.0 (number of hits: 6)
13	5580	9	1	333	1	5648.0, 5348.0, 5399.0, 5541.0, 5435.0, 5324.0, 5365.0, 5380.0, 5600.0, 5510.0, 5711.0, 5358.0, 5334.0, 5321.0, 5423.0, 5624.0, 5264.0, 5268.0, 5355.0, 5605.0, 5580.0, 5660.0, 5465.0, 5596.0, 5484.0, 5606.0, 5280.0, 5349.0, 5425.0, 5649.0, 5616.0, 5346.0, 5707.0, 5361.0, 5604.0, 5389.0, 5387.0, 5293.0, 5569.0, 5288.0, 5402.0, 5595.0, 5476.0, 5491.0, 5330.0, 5338.0, 5394.0, 5680.0, 5529.0, 5512.0, 5579.0, 5461.0, 5354.0, 5300.0, 5285.0, 5514.0, 5673.0, 5697.0, 5644.0, 5413.0, 5470.0, 5294.0, 5721.0, 5548.0, 5311.0, 5305.0, 5710.0, 5643.0, 5328.0, 5723.0, 5377.0, 5522.0, 5464.0, 5658.0, 5303.0, 5393.0, 5449.0, 5662.0, 5313.0, 5675.0, 5446.0, 5382.0, 5417.0, 5493.0, 5597.0, 5527.0, 5254.0, 5331.0, 5278.0, 5497.0, 5628.0, 5598.0, 5664.0, 5594.0, 5699.0, 5360.0, 5578.0, 5582.0, 5443.0, 5630.0 (number of hits: 9)
14	5580	9	1	333	1	5286.0, 5302.0, 5700.0, 5507.0, 5487.0, 5716.0, 5459.0, 5548.0, 5407.0, 5508.0, 5646.0, 5351.0, 5593.0, 5370.0, 5469.0, 5517.0, 5254.0, 5384.0, 5452.0, 5257.0, 5490.0, 5346.0, 5580.0, 5410.0, 5527.0, 5616.0, 5533.0, 5424.0, 5520.0, 5436.0, 5285.0, 5493.0, 5521.0, 5480.0, 5367.0, 5419.0, 5625.0, 5649.0, 5715.0, 5260.0, 5396.0, 5253.0, 5718.0, 5472.0, 5680.0, 5307.0, 5504.0, 5405.0, 5708.0, 5281.0, 5564.0, 5597.0, 5470.0, 5523.0, 5676.0, 5618.0, 5296.0, 5643.0, 5427.0, 5587.0, 5491.0, 5414.0, 5566.0, 5392.0, 5513.0, 5271.0, 5303.0, 5586.0, 5713.0, 5528.0, 5588.0, 5582.0, 5441.0, 5319.0, 5596.0, 5673.0, 5422.0, 5510.0, 5446.0, 5357.0, 5371.0, 5444.0, 5413.0, 5557.0, 5546.0,

						5431.0, 5675.0, 5269.0, 5670.0, 5612.0, 5315.0, 5573.0, 5559.0, 5481.0, 5267.0, 5333.0, 5322.0, 5494.0, 5457.0, 5434.0 (number of hits: 6)
15	5580	9	1	333	1	5358.0, 5592.0, 5626.0, 5277.0, 5445.0, 5473.0, 5401.0, 5587.0, 5576.0, 5598.0, 5574.0, 5458.0, 5567.0, 5269.0, 5408.0, 5296.0, 5357.0, 5367.0, 5464.0, 5429.0, 5542.0, 5524.0, 5289.0, 5629.0, 5339.0, 5525.0, 5418.0, 5526.0, 5335.0, 5702.0, 5564.0, 5621.0, 5719.0, 5677.0, 5683.0, 5521.0, 5607.0, 5368.0, 5411.0, 5593.0, 5700.0, 5544.0, 5523.0, 5608.0, 5693.0, 5476.0, 5258.0, 5397.0, 5663.0, 5572.0, 5666.0, 5591.0, 5563.0, 5632.0, 5412.0, 5400.0, 5534.0, 5571.0, 5667.0, 5505.0, 5437.0, 5638.0, 5504.0, 5352.0, 5717.0, 5501.0, 5634.0, 5517.0, 5333.0, 5530.0, 5508.0, 5536.0, 5386.0, 5477.0, 5543.0, 5284.0, 5328.0, 5699.0, 5692.0, 5456.0, 5402.0, 5332.0, 5635.0, 5438.0, 5447.0, 5366.0, 5538.0, 5707.0, 5351.0, 5254.0, 5314.0, 5604.0, 5637.0, 5432.0, 5433.0, 5337.0, 5711.0, 5569.0, 5462.0, 5253.0 (number of hits: 3)
16	5580	9	1	333	1	5466.0, 5423.0, 5395.0, 5295.0, 5704.0, 5518.0, 5575.0, 5369.0, 5315.0, 5602.0, 5355.0, 5252.0, 5273.0, 5639.0, 5428.0, 5638.0, 5384.0, 5274.0, 5596.0, 5685.0, 5279.0, 5284.0, 5531.0, 5258.0, 5579.0, 5454.0, 5621.0, 5383.0, 5336.0, 5716.0, 5288.0, 5684.0, 5387.0, 5373.0, 5314.0, 5346.0, 5660.0, 5462.0, 5681.0, 5606.0, 5478.0, 5424.0, 5317.0, 5511.0, 5509.0, 5378.0, 5655.0, 5676.0, 5416.0, 5281.0, 5627.0, 5624.0, 5255.0, 5532.0, 5472.0, 5520.0, 5586.0, 5356.0, 5434.0, 5467.0, 5619.0, 5680.0, 5298.0, 5486.0, 5433.0, 5372.0, 5287.0, 5710.0, 5661.0, 5500.0, 5693.0, 5666.0, 5632.0, 5396.0, 5449.0, 5294.0, 5351.0, 5460.0, 5709.0, 5722.0, 5719.0, 5658.0, 5422.0, 5386.0, 5272.0, 5695.0, 5567.0, 5544.0, 5358.0, 5530.0, 5330.0, 5696.0, 5714.0, 5508.0, 5648.0, 5574.0, 5669.0, 5713.0, 5515.0, 5703.0 (number of hits: 6)
17	5580	9	1	333	1	5659.0, 5283.0, 5691.0, 5567.0, 5455.0, 5324.0, 5440.0, 5259.0, 5705.0, 5491.0, 5628.0, 5502.0, 5281.0, 5591.0, 5636.0, 5452.0, 5701.0, 5416.0, 5580.0, 5690.0, 5484.0, 5374.0, 5410.0, 5369.0, 5312.0, 5457.0, 5467.0, 5704.0, 5723.0, 5471.0, 5415.0, 5298.0, 5406.0, 5581.0, 5424.0, 5367.0, 5518.0, 5444.0, 5694.0, 5574.0, 5330.0, 5577.0, 5489.0, 5508.0, 5496.0, 5512.0, 5686.0, 5530.0, 5543.0, 5411.0, 5361.0, 5600.0, 5505.0, 5662.0, 5409.0, 5679.0, 5648.0, 5540.0, 5716.0, 5527.0, 5370.0, 5474.0, 5456.0, 5470.0, 5447.0,

						5478.0, 5360.0, 5630.0, 5337.0, 5355.0, 5546.0, 5582.0, 5284.0, 5722.0, 5421.0, 5292.0, 5407.0, 5378.0, 5350.0, 5256.0, 5462.0, 5310.0, 5542.0, 5404.0, 5285.0, 5544.0, 5724.0, 5366.0, 5562.0, 5382.0, 5490.0, 5272.0, 5476.0, 5303.0, 5311.0, 5703.0, 5326.0, 5680.0, 5477.0, 5460.0 (number of hits: 7)
18	5580	9	1	333	1	5668.0, 5409.0, 5336.0, 5500.0, 5275.0, 5497.0, 5678.0, 5358.0, 5424.0, 5716.0, 5598.0, 5579.0, 5641.0, 5546.0, 5373.0, 5720.0, 5276.0, 5264.0, 5674.0, 5513.0, 5544.0, 5392.0, 5599.0, 5665.0, 5697.0, 5393.0, 5618.0, 5532.0, 5703.0, 5634.0, 5347.0, 5255.0, 5572.0, 5263.0, 5549.0, 5496.0, 5418.0, 5709.0, 5575.0, 5590.0, 5338.0, 5325.0, 5401.0, 5306.0, 5467.0, 5631.0, 5399.0, 5318.0, 5487.0, 5408.0, 5610.0, 5281.0, 5723.0, 5458.0, 5675.0, 5280.0, 5259.0, 5643.0, 5566.0, 5516.0, 5350.0, 5414.0, 5290.0, 5615.0, 5657.0, 5530.0, 5512.0, 5564.0, 5589.0, 5289.0, 5443.0, 5323.0, 5708.0, 5315.0, 5594.0, 5342.0, 5553.0, 5519.0, 5283.0, 5349.0, 5577.0, 5666.0, 5686.0, 5427.0, 5313.0, 5616.0, 5529.0, 5456.0, 5555.0, 5461.0, 5442.0, 5447.0, 5623.0, 5444.0, 5319.0, 5354.0, 5499.0, 5576.0, 5312.0, 5381.0 (number of hits: 5)
19	5580	9	1	333	1	5404.0, 5665.0, 5624.0, 5443.0, 5580.0, 5438.0, 5483.0, 5531.0, 5541.0, 5653.0, 5288.0, 5451.0, 5444.0, 5356.0, 5517.0, 5713.0, 5714.0, 5557.0, 5395.0, 5388.0, 5608.0, 5418.0, 5252.0, 5688.0, 5470.0, 5634.0, 5519.0, 5551.0, 5697.0, 5335.0, 5698.0, 5416.0, 5347.0, 5502.0, 5559.0, 5376.0, 5597.0, 5513.0, 5660.0, 5693.0, 5525.0, 5448.0, 5518.0, 5535.0, 5582.0, 5351.0, 5255.0, 5462.0, 5307.0, 5321.0, 5521.0, 5494.0, 5647.0, 5646.0, 5607.0, 5587.0, 5595.0, 5605.0, 5590.0, 5373.0, 5275.0, 5260.0, 5684.0, 5669.0, 5301.0, 5349.0, 5664.0, 5566.0, 5670.0, 5694.0, 5369.0, 5563.0, 5612.0, 5495.0, 5639.0, 5428.0, 5680.0, 5572.0, 5291.0, 5437.0, 5360.0, 5602.0, 5457.0, 5526.0, 5685.0, 5341.0, 5491.0, 5540.0, 5270.0, 5555.0, 5359.0, 5433.0, 5679.0, 5320.0, 5655.0, 5326.0, 5532.0, 5274.0, 5302.0, 5259.0 (number of hits: 5)
20	5580	9	1	333	1	5578.0, 5283.0, 5451.0, 5465.0, 5434.0, 5417.0, 5252.0, 5531.0, 5385.0, 5467.0, 5371.0, 5267.0, 5602.0, 5604.0, 5284.0, 5389.0, 5310.0, 5416.0, 5623.0, 5690.0, 5552.0, 5273.0, 5313.0, 5530.0, 5430.0, 5471.0, 5426.0, 5452.0, 5721.0, 5658.0, 5255.0, 5391.0, 5596.0, 5422.0, 5262.0, 5300.0, 5406.0, 5319.0, 5380.0, 5351.0, 5442.0, 5432.0, 5368.0, 5275.0, 5674.0,

						5332.0, 5518.0, 5454.0, 5365.0, 5435.0, 5544.0, 5460.0, 5629.0, 5636.0, 5404.0, 5337.0, 5681.0, 5557.0, 5482.0, 5308.0, 5254.0, 5500.0, 5635.0, 5349.0, 5320.0, 5356.0, 5686.0, 5517.0, 5714.0, 5474.0, 5601.0, 5431.0, 5665.0, 5528.0, 5420.0, 5325.0, 5653.0, 5512.0, 5661.0, 5723.0, 5595.0, 5502.0, 5680.0, 5622.0, 5583.0, 5538.0, 5345.0, 5710.0, 5295.0, 5641.0, 5458.0, 5388.0, 5654.0, 5386.0, 5522.0, 5656.0, 5481.0, 5679.0, 5339.0, 5562.0 (number of hits: 5)
21	5580	9	1	333	1	5553.0, 5713.0, 5428.0, 5355.0, 5687.0, 5571.0, 5692.0, 5473.0, 5265.0, 5313.0, 5505.0, 5410.0, 5647.0, 5470.0, 5535.0, 5512.0, 5442.0, 5264.0, 5527.0, 5652.0, 5614.0, 5573.0, 5254.0, 5531.0, 5459.0, 5445.0, 5396.0, 5648.0, 5400.0, 5413.0, 5295.0, 5343.0, 5680.0, 5253.0, 5374.0, 5293.0, 5397.0, 5336.0, 5695.0, 5656.0, 5387.0, 5691.0, 5550.0, 5409.0, 5326.0, 5495.0, 5395.0, 5524.0, 5471.0, 5650.0, 5501.0, 5444.0, 5468.0, 5371.0, 5361.0, 5404.0, 5464.0, 5403.0, 5434.0, 5504.0, 5481.0, 5316.0, 5475.0, 5297.0, 5665.0, 5558.0, 5644.0, 5259.0, 5618.0, 5630.0, 5602.0, 5472.0, 5273.0, 5435.0, 5625.0, 5458.0, 5502.0, 5547.0, 5258.0, 5476.0, 5522.0, 5384.0, 5607.0, 5673.0, 5317.0, 5456.0, 5282.0, 5420.0, 5610.0, 5345.0, 5570.0, 5514.0, 5328.0, 5262.0, 5334.0, 5402.0, 5621.0, 5663.0, 5370.0, 5579.0 (number of hits: 4)
22	5580	9	1	333	1	5689.0, 5705.0, 5538.0, 5534.0, 5722.0, 5347.0, 5360.0, 5350.0, 5323.0, 5311.0, 5406.0, 5671.0, 5492.0, 5591.0, 5531.0, 5286.0, 5702.0, 5603.0, 5341.0, 5514.0, 5387.0, 5384.0, 5686.0, 5507.0, 5272.0, 5583.0, 5340.0, 5298.0, 5251.0, 5633.0, 5715.0, 5489.0, 5691.0, 5325.0, 5479.0, 5682.0, 5278.0, 5473.0, 5390.0, 5636.0, 5254.0, 5422.0, 5620.0, 5677.0, 5594.0, 5321.0, 5333.0, 5281.0, 5461.0, 5414.0, 5362.0, 5315.0, 5363.0, 5667.0, 5264.0, 5265.0, 5696.0, 5713.0, 5358.0, 5297.0, 5296.0, 5657.0, 5497.0, 5313.0, 5581.0, 5295.0, 5542.0, 5322.0, 5654.0, 5568.0, 5400.0, 5554.0, 5471.0, 5302.0, 5597.0, 5394.0, 5517.0, 5460.0, 5676.0, 5421.0, 5368.0, 5529.0, 5330.0, 5457.0, 5625.0, 5552.0, 5343.0, 5541.0, 5622.0, 5308.0, 5379.0, 5560.0, 5579.0, 5441.0, 5651.0, 5680.0, 5669.0, 5563.0, 5532.0, 5675.0 (number of hits: 9)
23	5580	9	1	333	1	5455.0, 5510.0, 5524.0, 5597.0, 5450.0, 5512.0, 5699.0, 5494.0, 5308.0, 5429.0, 5369.0, 5255.0, 5551.0, 5268.0, 5446.0, 5574.0, 5555.0, 5318.0, 5473.0, 5467.0, 5350.0, 5645.0, 5356.0, 5334.0, 5525.0,

						5713.0, 5652.0, 5378.0, 5370.0, 5717.0, 5504.0, 5403.0, 5312.0, 5407.0, 5319.0, 5391.0, 5556.0, 5359.0, 5623.0, 5712.0, 5490.0, 5292.0, 5366.0, 5570.0, 5329.0, 5341.0, 5288.0, 5605.0, 5283.0, 5348.0, 5664.0, 5425.0, 5523.0, 5695.0, 5250.0, 5379.0, 5327.0, 5463.0, 5542.0, 5452.0, 5668.0, 5401.0, 5269.0, 5408.0, 5539.0, 5404.0, 5285.0, 5443.0, 5571.0, 5424.0, 5432.0, 5586.0, 5591.0, 5449.0, 5482.0, 5361.0, 5405.0, 5577.0, 5383.0, 5611.0, 5267.0, 5367.0, 5538.0, 5547.0, 5506.0, 5458.0, 5351.0, 5637.0, 5471.0, 5291.0, 5338.0, 5624.0, 5680.0, 5515.0, 5305.0, 5387.0, 5513.0, 5311.0, 5353.0, 5284.0 (number of hits: 8)
24	5580	9	1	333	1	5597.0, 5254.0, 5651.0, 5377.0, 5684.0, 5548.0, 5514.0, 5695.0, 5471.0, 5365.0, 5310.0, 5268.0, 5476.0, 5477.0, 5301.0, 5371.0, 5584.0, 5263.0, 5573.0, 5539.0, 5364.0, 5495.0, 5622.0, 5611.0, 5590.0, 5542.0, 5359.0, 5549.0, 5596.0, 5534.0, 5329.0, 5559.0, 5305.0, 5440.0, 5558.0, 5357.0, 5637.0, 5322.0, 5490.0, 5512.0, 5356.0, 5283.0, 5323.0, 5544.0, 5638.0, 5719.0, 5412.0, 5405.0, 5489.0, 5401.0, 5576.0, 5355.0, 5570.0, 5383.0, 5460.0, 5481.0, 5451.0, 5599.0, 5678.0, 5413.0, 5679.0, 5418.0, 5417.0, 5347.0, 5663.0, 5687.0, 5269.0, 5303.0, 5506.0, 5589.0, 5424.0, 5674.0, 5290.0, 5592.0, 5378.0, 5267.0, 5433.0, 5641.0, 5415.0, 5521.0, 5516.0, 5712.0, 5264.0, 5541.0, 5259.0, 5360.0, 5480.0, 5474.0, 5524.0, 5307.0, 5274.0, 5448.0, 5579.0, 5403.0, 5714.0, 5374.0, 5602.0, 5585.0, 5441.0, 5419.0 (number of hits: 6)
25	5580	9	1	333	1	5258.0, 5506.0, 5661.0, 5545.0, 5285.0, 5351.0, 5499.0, 5703.0, 5339.0, 5491.0, 5513.0, 5409.0, 5615.0, 5443.0, 5266.0, 5524.0, 5705.0, 5382.0, 5564.0, 5436.0, 5710.0, 5399.0, 5702.0, 5462.0, 5543.0, 5657.0, 5428.0, 5676.0, 5354.0, 5391.0, 5275.0, 5674.0, 5295.0, 5358.0, 5394.0, 5478.0, 5498.0, 5404.0, 5696.0, 5644.0, 5508.0, 5375.0, 5620.0, 5629.0, 5333.0, 5714.0, 5464.0, 5497.0, 5622.0, 5718.0, 5585.0, 5296.0, 5263.0, 5288.0, 5520.0, 5651.0, 5630.0, 5631.0, 5323.0, 5426.0, 5405.0, 5298.0, 5345.0, 5309.0, 5660.0, 5669.0, 5379.0, 5557.0, 5652.0, 5546.0, 5492.0, 5384.0, 5624.0, 5623.0, 5353.0, 5601.0, 5684.0, 5668.0, 5401.0, 5324.0, 5378.0, 5340.0, 5473.0, 5456.0, 5453.0, 5507.0, 5418.0, 5437.0, 5468.0, 5474.0, 5589.0, 5643.0, 5283.0, 5501.0, 5504.0, 5294.0, 5445.0, 5424.0, 5390.0, 5302.0 (number of hits: 8)
26	5580	9	1	333	1	5484.0, 5401.0, 5600.0, 5547.0, 5479.0,

						5630.0, 5510.0, 5511.0, 5258.0, 5416.0, 5290.0, 5319.0, 5345.0, 5403.0, 5543.0, 5478.0, 5414.0, 5532.0, 5718.0, 5578.0, 5354.0, 5343.0, 5251.0, 5527.0, 5464.0, 5429.0, 5383.0, 5265.0, 5359.0, 5346.0, 5603.0, 5347.0, 5379.0, 5423.0, 5279.0, 5293.0, 5388.0, 5321.0, 5361.0, 5696.0, 5627.0, 5605.0, 5522.0, 5676.0, 5335.0, 5471.0, 5475.0, 5483.0, 5270.0, 5259.0, 5272.0, 5693.0, 5689.0, 5539.0, 5424.0, 5719.0, 5404.0, 5700.0, 5653.0, 5572.0, 5329.0, 5327.0, 5699.0, 5670.0, 5712.0, 5310.0, 5286.0, 5647.0, 5382.0, 5370.0, 5530.0, 5612.0, 5516.0, 5395.0, 5561.0, 5419.0, 5349.0, 5707.0, 5389.0, 5549.0, 5656.0, 5494.0, 5330.0, 5713.0, 5708.0, 5631.0, 5263.0, 5318.0, 5465.0, 5581.0, 5618.0, 5675.0, 5285.0, 5325.0, 5355.0, 5280.0, 5342.0, 5594.0, 5644.0, 5562.0 (number of hits: 5)
27	5580	9	1	333	1	5592.0, 5445.0, 5543.0, 5532.0, 5363.0, 5377.0, 5358.0, 5668.0, 5259.0, 5578.0, 5432.0, 5522.0, 5598.0, 5316.0, 5697.0, 5689.0, 5542.0, 5638.0, 5405.0, 5379.0, 5494.0, 5394.0, 5526.0, 5675.0, 5682.0, 5677.0, 5587.0, 5715.0, 5548.0, 5719.0, 5683.0, 5373.0, 5426.0, 5632.0, 5653.0, 5535.0, 5687.0, 5429.0, 5589.0, 5513.0, 5656.0, 5458.0, 5294.0, 5435.0, 5374.0, 5693.0, 5619.0, 5428.0, 5547.0, 5251.0, 5266.0, 5462.0, 5603.0, 5339.0, 5419.0, 5505.0, 5323.0, 5501.0, 5569.0, 5478.0, 5387.0, 5484.0, 5264.0, 5459.0, 5310.0, 5441.0, 5453.0, 5397.0, 5479.0, 5601.0, 5402.0, 5383.0, 5412.0, 5275.0, 5690.0, 5345.0, 5639.0, 5537.0, 5489.0, 5628.0, 5662.0, 5282.0, 5626.0, 5550.0, 5708.0, 5665.0, 5654.0, 5701.0, 5443.0, 5631.0, 5624.0, 5685.0, 5692.0, 5573.0, 5583.0, 5330.0, 5584.0, 5338.0, 5488.0, 5457.0 (number of hits: 2)
28	5580	9	1	333	1	5619.0, 5645.0, 5300.0, 5608.0, 5378.0, 5283.0, 5452.0, 5477.0, 5520.0, 5284.0, 5716.0, 5267.0, 5398.0, 5659.0, 5348.0, 5287.0, 5688.0, 5360.0, 5266.0, 5590.0, 5657.0, 5671.0, 5407.0, 5449.0, 5350.0, 5685.0, 5559.0, 5606.0, 5418.0, 5615.0, 5658.0, 5715.0, 5310.0, 5724.0, 5691.0, 5534.0, 5272.0, 5321.0, 5510.0, 5258.0, 5430.0, 5664.0, 5356.0, 5531.0, 5636.0, 5379.0, 5713.0, 5462.0, 5697.0, 5610.0, 5436.0, 5684.0, 5594.0, 5471.0, 5465.0, 5459.0, 5286.0, 5692.0, 5437.0, 5493.0, 5349.0, 5532.0, 5618.0, 5585.0, 5470.0, 5400.0, 5623.0, 5279.0, 5620.0, 5428.0, 5343.0, 5516.0, 5325.0, 5595.0, 5372.0, 5455.0, 5317.0, 5330.0, 5639.0, 5332.0, 5368.0, 5473.0, 5463.0, 5426.0, 5362.0, 5614.0, 5475.0, 5720.0, 5662.0, 5396.0,

						5404.0, 5346.0, 5336.0, 5269.0, 5385.0, 5408.0, 5270.0, 5563.0, 5295.0, 5309.0 (number of hits: 6)
29	5580	9	1	333	1	5270.0, 5492.0, 5465.0, 5263.0, 5604.0, 5650.0, 5707.0, 5505.0, 5534.0, 5716.0, 5668.0, 5343.0, 5363.0, 5541.0, 5674.0, 5694.0, 5358.0, 5714.0, 5417.0, 5679.0, 5698.0, 5565.0, 5690.0, 5440.0, 5644.0, 5317.0, 5452.0, 5589.0, 5455.0, 5275.0, 5476.0, 5449.0, 5255.0, 5646.0, 5656.0, 5563.0, 5700.0, 5437.0, 5653.0, 5628.0, 5454.0, 5615.0, 5717.0, 5253.0, 5382.0, 5582.0, 5566.0, 5447.0, 5670.0, 5504.0, 5442.0, 5368.0, 5284.0, 5324.0, 5605.0, 5641.0, 5293.0, 5405.0, 5562.0, 5718.0, 5652.0, 5311.0, 5393.0, 5495.0, 5376.0, 5493.0, 5521.0, 5322.0, 5687.0, 5391.0, 5527.0, 5721.0, 5578.0, 5306.0, 5577.0, 5686.0, 5277.0, 5497.0, 5660.0, 5501.0, 5300.0, 5491.0, 5648.0, 5610.0, 5503.0, 5598.0, 5494.0, 5258.0, 5535.0, 5636.0, 5489.0, 5470.0, 5691.0, 5649.0, 5585.0, 5713.0, 5547.0, 5609.0, 5506.0, 5613.0 (number of hits: 4)
30	5580	9	1	333	1	5468.0, 5449.0, 5683.0, 5522.0, 5472.0, 5561.0, 5326.0, 5480.0, 5289.0, 5515.0, 5337.0, 5403.0, 5271.0, 5705.0, 5537.0, 5286.0, 5285.0, 5447.0, 5410.0, 5682.0, 5386.0, 5546.0, 5565.0, 5632.0, 5319.0, 5607.0, 5252.0, 5293.0, 5456.0, 5452.0, 5428.0, 5367.0, 5585.0, 5623.0, 5535.0, 5578.0, 5583.0, 5308.0, 5336.0, 5589.0, 5438.0, 5677.0, 5275.0, 5573.0, 5398.0, 5440.0, 5292.0, 5716.0, 5391.0, 5646.0, 5615.0, 5645.0, 5307.0, 5291.0, 5650.0, 5395.0, 5506.0, 5442.0, 5700.0, 5651.0, 5370.0, 5495.0, 5281.0, 5317.0, 5412.0, 5525.0, 5377.0, 5666.0, 5579.0, 5362.0, 5655.0, 5365.0, 5657.0, 5419.0, 5534.0, 5630.0, 5605.0, 5315.0, 5629.0, 5549.0, 5586.0, 5423.0, 5527.0, 5322.0, 5262.0, 5634.0, 5454.0, 5672.0, 5661.0, 5695.0, 5622.0, 5258.0, 5488.0, 5431.0, 5587.0, 5532.0, 5635.0, 5340.0, 5540.0, 5516.0 (number of hits: 8)

5270 MHz, 40 MHz Bandwidth

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

Please refer to the following statistical tables:

5270 MHz, 40 MHz Bandwidth

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	65	1	818	1
2	5270	99	1	538	1
3	5270	68	1	778	1
4	5270	95	1	558	1
5	5270	58	1	918	1
6	5270	89	1	598	1
7	5270	86	1	618	1
8	5270	57	1	938	1
9	5270	70	1	758	1
10	5270	62	1	858	1
11	5270	72	1	738	1
12	5270	76	1	698	1
13	5270	59	1	898	1
14	5270	67	1	798	1
15	5270	63	1	838	1
16	5270	22	1	2470	1
17	5270	29	1	1856	1
18	5270	62	1	865	1
19	5270	69	1	775	1
20	5270	46	1	1168	1
21	5270	54	1	984	1
22	5270	85	1	623	1
23	5270	100	1	532	1
24	5270	19	1	2836	1
25	5270	23	1	2318	1
26	5270	35	1	1530	1
27	5270	28	1	1945	1
28	5270	29	1	1839	1
29	5270	26	1	2080	1
30	5270	22	1	2440	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	23	4.7	220	1
2	5270	25	4.9	194	1
3	5270	25	4.7	204	1
4	5270	25	1.9	178	1
5	5270	29	2.9	225	1
6	5270	29	3.7	160	1
7	5270	29	4.5	190	1
8	5270	27	3.4	169	1
9	5270	29	5	188	1
10	5270	27	1.7	204	1
11	5270	27	5	182	1
12	5270	25	4.2	176	1
13	5270	27	4.8	167	1
14	5270	28	3.7	150	1
15	5270	24	4.7	181	1
16	5270	27	1.7	187	1
17	5270	29	3	179	1
18	5270	25	1.4	182	1
19	5270	26	4.7	230	1
20	5270	27	2.8	228	1
21	5270	24	1.9	226	1
22	5270	25	1.1	154	1
23	5270	27	2.1	206	1
24	5270	25	3.8	203	1
25	5270	25	1.1	223	1
26	5270	29	3.7	150	1
27	5270	24	4.9	175	1
28	5270	28	1.5	215	1
29	5270	27	3.4	222	1
30	5270	28	3	165	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	18	8.8	419	1
2	5270	18	8.2	454	1
3	5270	16	7.1	404	1
4	5270	18	7.8	476	1
5	5270	16	9.4	415	1
6	5270	16	7.3	452	1
7	5270	18	8.4	240	1
8	5270	16	8.6	444	1
9	5270	16	9.9	271	1
10	5270	18	8.9	336	1
11	5270	17	8.5	256	1
12	5270	17	8.6	436	1
13	5270	18	7.3	236	1
14	5270	18	6.7	299	1
15	5270	17	9.5	397	1
16	5270	17	6.4	237	1
17	5270	16	7.2	284	1
18	5270	16	9.8	424	1
19	5270	16	6.3	494	1
20	5270	17	6.8	499	1
21	5270	16	7.3	383	1
22	5270	18	9.7	289	1
23	5270	17	8.6	237	1
24	5270	17	8.1	443	1
25	5270	17	6.6	293	1
26	5270	17	6.8	490	1
27	5270	17	9.1	389	1
28	5270	17	9.9	458	1
29	5270	18	8.6	420	1
30	5270	18	7.8	259	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	14	14.7	217	1
2	5270	14	14	468	1
3	5270	12	11.7	335	1
4	5270	16	11.7	433	1
5	5270	12	14.9	422	1
6	5270	13	13.1	430	1
7	5270	13	11.1	408	1
8	5270	16	19.8	421	1
9	5270	15	15.3	301	1
10	5270	13	13	272	1
11	5270	15	16.1	360	1
12	5270	12	14.1	466	1
13	5270	16	15	239	1
14	5270	12	15.4	392	1
15	5270	16	15.3	387	1
16	5270	15	19.5	359	1
17	5270	13	11.2	430	1
18	5270	12	19.8	423	1
19	5270	12	19.4	235	1
20	5270	14	18.6	279	1
21	5270	13	17.9	359	1
22	5270	16	15.5	430	1
23	5270	12	11.3	472	1
24	5270	14	14.1	341	1
25	5270	13	19.2	220	1
26	5270	12	15.9	405	1
27	5270	15	14.8	275	1
28	5270	15	19.7	459	1
29	5270	12	14.8	207	1
30	5270	16	15.5	222	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

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	1	5	71.7			1.070257	1
1	2	11	97.7	1109		1.746933	
2	1	8	84.4			2.982436	
3	1	8	83			3.661377	
4	2	5	80.1	1676		4.949429	
5	2	8	95.9	1331		6.276868	
6	1	6	57.6			7.185296	
7	1	16	51.2			7.803082	
8	2	14	94.5	1912		8.87595	
9	3	10	83.1	1970	1029	10.168128	
10	2	7	81.9	1506		11.260259	

Bin5 Statistics 2

CF=5256 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	13	91.2	1868		0.927524	1
1	1	18	80.3			2.18874	
2	2	10	65.3	1646		2.86655	
3	1	18	90.1			4.792665	
4	2	15	61.5	1076		5.557826	
5	2	11	52.4	1510		6.642989	
6	2	5	81.7	1797		8.007364	
7	3	8	81.6	1547	1851	8.50554	
8	2	14	57.1	1062		10.596142	
9	3	14	61.9	1676	1284	11.7722	

Bin5 Statistics 3

CF=5259 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	17	55.4			0.37177	1
1	3	11	79.2	1441	1290	0.817619	
2	1	19	98.4			1.43803	
3	2	20	54.8	1258		2.590428	
4	1	17	69.6			2.913235	
5	2	10	89.1	1085		3.561618	
6	1	13	94.8			4.654135	
7	1	20	94.9			4.829284	
8	3	17	54.8	1948	1986	5.868264	
9	2	18	62.6	1602		6.357736	
10	1	10	63.9			6.865282	
11	2	20	70.3	1354		7.934362	
12	1	13	89.3			8.487202	
13	1	15	92.8			8.861904	
14	1	11	61.7			9.535027	
15	3	11	69.7	1004	1867	10.292504	
16	3	7	87.4	1065	1576	11.137869	
17	3	16	74.6	1079	1699	11.756145	

Bin5 Statistics 4

CF=5266 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	97.7	1455		0.758184	1
1	1	15	61.2			2.487702	
2	1	11	99.2			3.278423	
3	3	18	82.9	1188	1923	4.460594	
4	2	10	83.2	1399		6.301684	
5	2	5	91.7	1186		7.99246	
6	1	14	52.8			9.026898	
7	3	17	63.5	1602	1400	10.251704	
8	3	8	79.7	1997	1765	10.806779	

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	3	6	51.5	1302	1977	0.069102	
1	3	14	86.8	1771	1171	0.772857	
2	3	16	76.1	1727	1250	1.263563	
3	1	14	62.3			2.522174	
4	2	17	84.6	1609		2.976704	
5	2	16	77	1407		3.239809	
6	3	18	93.3	1663	1310	4.02316	
7	3	9	88.8	1976	1472	4.637781	
8	3	6	52.2	1077	1276	5.063392	
9	1	13	81			5.725219	1
10	2	8	91.2	1320		6.883096	
11	1	18	50.8			7.447701	
12	1	19	55.9			8.128355	
13	3	6	57.8	1295	1438	8.543632	
14	3	9	72.7	1600	1536	9.029212	
15	1	16	69.2			9.652766	
16	2	9	94	1884		10.360235	
17	1	5	82.5			10.886498	
18	2	16	97.9	1631		11.854604	

Bin5 Statistics 6

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	8	66.1	1830		0.147135	1
1	3	18	84.3	1790	1027	1.071514	
2	2	5	71.8	1907		2.195304	
3	2	18	57.8	1700		3.026606	
4	2	9	59.3	1821		3.335458	
5	2	16	65.9	1803		4.405856	
6	3	18	86.1	1624	1681	5.592052	
7	3	19	54.7	1327	1792	5.642161	
8	2	10	87.8	1843		6.929719	
9	1	13	77.4			7.713935	
10	3	12	81.9	1136	1787	8.733741	
11	3	17	87.2	1187	1830	9.014729	
12	2	16	93.5	1187		9.605314	
13	2	12	74.1	1647		10.75197	
14	3	11	83	1447	1081	11.3507	

Bin5 Statistics 7

CF=5267 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	65.5	1664		0.03336	1
1	2	6	66.9	1745		1.340262	
2	1	12	92.8			1.76771	
3	1	6	54			2.377659	
4	2	12	76.3	1354		3.171981	
5	2	15	54	1769		4.460322	
6	3	16	70.5	1907	1280	5.151191	
7	2	6	96.3	1179		5.27848	
8	2	17	62.5	1088		6.659291	
9	2	9	96.2	1005		6.836365	
10	1	7	98.9			8.211663	
11	2	14	69.6	1634		8.523295	
12	1	8	83.4			9.079855	
13	2	5	85.2	1835		9.81883	
14	1	10	62.3			10.602442	
15	3	15	50	1542	1053	11.50722	

Bin5 Statistics 8

CF=5261 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	7	61	1698		0.838186	1
1	2	12	81.7	1427		1.384138	
2	2	15	81.9	1243		2.668526	
3	3	15	51.5	1296	1219	2.902566	
4	1	9	62.6			4.024139	
5	1	18	69.7			5.037455	
6	3	13	68.1	1720	1089	5.697114	
7	2	6	50.3	1496		6.507209	
8	1	9	56.3			7.810223	
9	2	17	98.4	1628		8.825564	
10	2	12	80.7	1700		9.965871	
11	1	15	50.7			10.707899	
12	3	12	57.3	1956	1546	11.975317	

Bin5 Statistics 9

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	8	96.2	1430		1.025648	1
1	2	19	86	1937		1.558249	
2	3	20	75.4	1427	1874	2.734059	
3	3	16	92.4	1245	1630	4.29038	
4	1	18	78.5			5.344494	
5	2	10	60.5	1105		6.421155	
6	3	11	75.1	1316	1516	7.033261	
7	2	18	88.8	1970		8.040069	
8	3	6	53	1892	1984	9.007018	
9	1	16	70.7			10.008102	
10	2	16	58	1833		11.662066	

Bin5 Statistics 10

CF=5259 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	72.8	1829	1706	0.356074	1
1	3	17	82.4	1747	1038	1.213438	
2	2	12	51.2	1241		1.455592	
3	3	19	70.7	1790	1674	2.519042	
4	3	12	56.3	1684	1804	3.10721	
5	1	17	51.1			3.430389	
6	2	10	79	1284		4.615341	
7	3	6	55.2	1127	1537	5.16033	
8	2	16	75.8	1887		5.884878	
9	1	19	90.9			6.005506	
10	1	8	83.1			7.156129	
11	1	12	88.7			7.437002	
12	3	12	53.7	1088	1137	8.353171	
13	2	16	74.4	1812		8.711523	
14	3	5	85.7	1090	1823	9.417613	
15	1	8	99.4			10.464492	
16	3	7	69.8	1021	1115	10.96609	
17	2	5	81.3	1902		11.862495	

Bin5 Statistics 11

CF=5273 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	84.8	1207	1279	1.015188	1
1	2	19	52.6	1476		1.929024	
2	1	13	95.4			2.387051	
3	2	9	67.6	1197		3.562306	
4	3	11	53.3	1929	1295	5.401362	
5	2	17	65.4	1429		6.176455	
6	2	11	76.8	1178		7.279904	
7	3	8	75	1717	1034	8.029482	
8	1	19	70.1			9.607816	
9	2	12	76.5	1539		10.850618	
10	1	14	85.2			11.854277	

Bin5 Statistics 12

CF=5262 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	97.8	1199	1393	0.102205	1
1	1	11	70.7			1.244105	
2	2	18	74.6	1072		3.573999	
3	2	8	65.1	1262		4.534612	
4	3	14	88.2	1018	1082	4.883278	
5	3	9	75.6	1832	1955	6.124037	
6	2	5	65.5	1848		7.224212	
7	2	18	58.2	1042		9.556022	
8	1	14	73.8			9.764142	
9	2	8	54.8	1340		10.864637	

Bin5 Statistics 13

CF=5255 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	54.3	1663		0.553725	1
1	2	14	93.6	1911		1.1391	
2	1	18	75.9			1.940483	
3	3	9	56.5	1295	1630	2.36808	
4	1	7	53.7			3.695105	
5	2	14	59.9	1577		4.182704	
6	3	13	55.4	1826	1369	5.210444	
7	2	17	78.4	1581		5.729216	
8	3	7	74.6	1283	1213	6.523784	
9	3	11	90.1	1556	1374	7.231983	
10	1	12	82.4			7.687957	
11	2	19	67.3	1203		8.783702	
12	2	7	72.7	1604		9.533409	
13	1	15	83.1			10.331274	

Bin5 Statistics 14

CF=5251 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	7	81.9	1141		0.226553	1
1	1	6	70.3			1.265196	
2	2	6	96.6	1444		2.637053	
3	3	11	79	1803	1889	3.486032	
4	2	17	72.5	1569		3.911949	
5	3	9	68.9	1969	1753	5.527552	
6	2	16	83.7	1432		6.407495	
7	1	11	90.1			7.070124	
8	3	11	93.5	1724	1504	7.743109	
9	1	18	87.2			8.867921	
10	1	12	59.3			10.090031	
11	1	9	69.8			10.167286	
12	1	19	95.2			11.682134	

Bin5 Statistics 15

CF=5260 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	98.2	1942		0.446547	1
1	3	9	90.2	1909	1746	1.007799	
2	2	15	67.4	1115		1.695016	
3	1	7	93.7			2.386495	
4	1	18	59.8			3.414619	
5	3	17	62	1595	1259	4.337794	
6	1	14	84			4.529091	
7	2	10	99.1	1557		5.44629	
8	1	19	80			6.671343	
9	3	17	86.4	1537	1317	7.44987	
10	2	15	51.9	1001		7.625719	
11	2	7	71.8	1748		8.311971	
12	2	13	88.3	1378		9.052217	
13	2	15	76.9	1860		10.244206	
14	1	6	87.9			10.798887	
15	1	7	93.5			11.448397	

Bin5 Statistics 16

CF=5276 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	13	64.1	1145		0.121056	1
1	3	19	93.3	1971	1018	1.767802	
2	2	17	51	1229		2.505837	
3	2	16	61.1	1616		3.002928	
4	3	18	53.3	1601	1021	4.627094	
5	1	6	61.7			5.631025	
6	1	16	55.9			6.688204	
7	2	17	93.1	1854		7.803804	
8	3	11	94.6	1542	1345	8.257683	
9	2	6	84.3	1777		9.128387	
10	2	5	71.2	1940		10.245382	
11	2	5	97.5	1679		11.615831	

Bin5 Statistics 17

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	7	75.1	1503	1495	0.549732	1
1	2	19	63.4	1455		1.226494	
2	2	14	78.5	1421		2.608596	
3	3	13	80.7	1117	1007	4.73519	
4	1	6	53.1			5.188739	
5	2	17	92.7	1114		6.511257	
6	1	10	89			8.229934	
7	2	17	53.6	1261		9.248678	
8	2	19	68.1	1270		10.326526	
9	1	14	90.9			11.119748	

Bin5 Statistics 18

CF=5267 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	97.3	1320		0.251066	
1	2	10	54.7	1889		0.791223	
2	2	10	77	1442		2.055972	
3	1	6	98.6			2.569418	
4	1	12	87.8			3.503593	
5	1	13	99.5			3.563345	
6	2	13	73.7	1942		4.288543	
7	3	7	78.5	1717	1442	5.483205	
8	1	12	60.3			6.15543	1
9	2	6	79.5	1415		6.990971	
10	3	15	84.8	1136	1068	7.375517	
11	2	7	84.1	1830		8.46229	
12	3	17	77	1806	1297	9.103823	
13	2	14	92.8	1120		9.197831	
14	3	15	53.8	1296	1728	10.342419	
15	1	6	64.6			10.971508	
16	2	18	67.5	1500		11.657965	

Bin5 Statistics 19

CF=5253 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	12	59.9	1629	1790	0.370558	1
1	3	13	96.6	1286	1509	1.221836	
2	2	6	69.9	1176		2.136525	
3	1	11	56.9			2.342876	
4	2	17	60.5	1707		3.245295	
5	2	9	97.7	1587		3.825596	
6	3	8	68.1	1193	1469	4.90799	
7	1	15	66.9			5.326713	
8	1	19	67			6.273245	
9	3	20	79.7	1752	1448	6.970952	
10	2	7	79.8	1231		8.040425	
11	2	19	79.4	1167		8.503642	
12	3	20	89.6	1585	1084	9.652541	
13	3	10	88.8	1558	1412	9.845905	
14	1	14	65.3			10.770212	
15	3	14	62.4	1328	1690	11.600953	

Bin5 Statistics 20

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	2	13	56	1417		0.460111	1
1	2	5	98.2	1130		1.124164	
2	3	8	64.6	1122	1464	2.015319	
3	2	6	83.5	1672		2.821365	
4	3	14	93.1	1970	1496	3.679671	
5	1	19	68.1			4.381475	
6	3	16	89.1	1253	1500	4.717726	
7	3	6	80.3	1194	1326	5.428715	
8	1	9	98.5			6.130454	
9	2	16	57.5	1158		6.895172	
10	3	13	62	1775	1835	8.099453	
11	2	11	61.8	1018		8.645205	
12	1	13	78.9			9.487121	
13	1	6	99.2			10.061881	
14	2	16	97	1520		10.565809	
15	3	11	63.8	1822	1846	11.646357	

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	2	14	71.5	1700		0.314097	1
1	1	14	58.5			1.461976	
2	2	14	86.4	1123		1.58402	
3	2	7	55.2	1831		2.687313	
4	2	18	77.9	1536		3.235392	
5	2	18	86.4	1857		3.849857	
6	2	6	50.2	1563		4.739381	
7	3	9	74.7	1486	1323	5.362774	
8	2	18	81.9	1392		6.421462	
9	3	18	62.5	1470	1759	7.018742	
10	2	15	54.6	1433		8.12078	
11	3	5	64.1	1082	1253	8.64854	
12	3	9	53.1	1805	1169	9.133816	
13	2	11	63.9	1158		10.466674	
14	1	6	70.5			10.764754	
15	3	17	93.9	1387	1826	11.391614	

Bin5 Statistics 22

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	3	15	50.6	1673	1139	0.09556	1
1	2	15	81.4	1741		0.965613	
2	1	11	62.7			2.361016	
3	2	8	72.3	1423		2.812706	
4	1	8	65.2			3.833476	
5	1	12	69.8			5.52487	
6	1	14	85.6			6.244861	
7	1	9	73.5			7.179257	
8	3	18	61.4	1268	1175	8.184097	
9	2	10	70	1743		8.710621	
10	2	13	99.8	1415		9.573166	
11	2	18	89.1	1034		10.932906	
12	3	16	54.1	1640	1597	11.915089	

Bin5 Statistics 23

CF=5259 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	77.8	1675	1745	0.099938	
1	3	19	52.6	1442	1245	0.908532	
2	2	17	66.7	1647		1.655238	
3	2	16	94.5	1741		2.205277	
4	2	11	64.7	1630		2.737242	
5	3	19	72.1	1266	1796	3.225586	
6	2	10	72.6	1846		4.065564	
7	2	10	93	1400		4.875064	
8	2	6	98.2	1816		5.343023	
9	2	14	93.4	1691		5.684535	1
10	2	10	75.8	1381		6.634121	
11	2	18	75.9	1262		7.118554	
12	2	18	71.9	1594		7.59367	
13	3	5	60.1	1892	1463	8.563128	
14	1	19	71.8			8.992552	
15	2	16	68.1	1434		9.929698	
16	1	10	72.9			10.209061	
17	2	14	64.8	1639		10.981608	
18	1	16	99.3			11.764988	

Bin5 Statistics 24

CF=5265 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	92.7	1436	1566	0.632047	1
1	1	13	98.3			1.862214	
2	3	14	50.7	1405	1288	2.474838	
3	2	12	79.2	1964		3.30428	
4	3	8	99.4	1988	1817	4.586975	
5	1	14	87.5			5.78215	
6	2	12	55.4	1677		6.329126	
7	2	7	69.5	1166		7.125681	
8	2	7	54.9	1338		8.535396	
9	1	20	76.9			9.289575	
10	3	15	88.6	1929	1217	10.515031	
11	1	7	87.7			11.195055	

Bin5 Statistics 25

CF=5262 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	80.5			0.058669	1
1	3	13	62.5	1630	1129	1.110531	
2	1	17	75.1			2.145561	
3	2	11	81.2	1188		2.987075	
4	2	13	82.9	1395		3.927996	
5	3	9	60.8	1043	1191	4.619461	
6	2	16	63.5	1195		5.166225	
7	2	12	82.8	1812		6.330788	
8	2	20	77.7	1027		6.473256	
9	1	16	94			7.473567	
10	2	11	74.7	1292		8.709032	
11	2	18	57.1	1770		9.022859	
12	2	12	87	1362		10.136865	
13	1	20	90			10.780294	
14	1	16	87.8			11.685853	

Bin5 Statistics 26

CF=5258 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	9	88.8			0.235963	1
1	2	5	73.2	1449		1.70607	
2	2	18	97	1116		2.026483	
3	1	6	68.1			3.213026	
4	3	12	54.3	1431	1463	3.713253	
5	3	5	97.8	1610	1306	4.502112	
6	3	8	76.5	1988	1963	5.932941	
7	3	10	70.9	1246	1554	6.302282	
8	2	11	70.9	1173		7.196382	
9	3	18	93	1706	1446	7.937147	
10	2	17	92.3	1950		9.260724	
11	2	12	51.2	1383		9.918224	
12	3	20	75.9	1759	1771	10.762935	
13	1	6	74.6			11.346168	

Bin5 Statistics 27

CF=5260 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	19	83.5	1232		0.519778	1
1	2	7	68.5	1988		1.259252	
2	2	7	68.2	1460		1.808507	
3	2	18	96.9	1162		2.250398	
4	2	17	56.4	1355		2.849845	
5	1	6	84.5			3.643818	
6	2	11	67	1725		4.081825	
7	1	6	97.9			4.697387	
8	2	17	81.6	1961		5.557983	
9	2	19	71.2	1995		6.172918	
10	1	17	74.5			6.856876	
11	1	12	57.3			7.835385	
12	1	10	83			8.422223	
13	3	13	67.7	1616	1165	8.691844	
14	3	12	75.2	1582	1266	9.633243	
15	2	10	59.8	1170		10.536548	
16	1	15	75.2			11.213053	
17	2	20	96.9	1334		11.48353	

Bin5 Statistics 28

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	2	19	82.4	1912		1.193986	1
1	2	18	86.1	1401		2.14367	
2	2	12	96.9	1562		3.147019	
3	3	14	90.5	1211	1230	4.848024	
4	3	14	95.4	1510	1539	6.074004	
5	1	13	84.1			8.903622	
6	1	6	77.4			9.763594	
7	2	18	89.6	1386		11.413963	

Bin5 Statistics 29

CF=5268 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	16	56.8	1080		0.940985	1
1	2	5	58.4	1386		2.170728	
2	2	20	98.3	1994		2.617683	
3	3	10	62.5	1816	1438	3.718299	
4	1	14	68.8			5.005594	
5	2	19	78	1298		5.717116	
6	2	15	79.8	1470		6.689844	
7	2	15	50.8	1322		8.146521	
8	1	9	75.5			8.9755	
9	2	14	90.9	1293		10.763385	
10	2	13	79.7	1638		11.712819	

Bin5 Statistics 30

CF=5255 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	10	70.1	1791	1036	0.328319	1
1	2	6	74.6	1663		1.18642	
2	3	12	59.3	1591	1812	1.894669	
3	1	6	89.5			3.308639	
4	2	15	70.8	1779		3.701469	
5	1	7	99			4.540045	
6	3	9	53.6	1739	1787	5.671855	
7	2	15	69.8	1353		6.360658	
8	1	19	53.7			7.002903	
9	2	10	95.7	1343		8.361766	
10	2	5	61.8	1375		9.330652	
11	2	19	58.5	1623		10.106931	
12	3	17	70.7	1851	1236	10.95194	
13	1	19	90.3			11.213739	

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	5620.0, 5643.0, 5296.0, 5295.0, 5625.0, 5489.0, 5653.0, 5359.0, 5613.0, 5407.0, 5382.0, 5252.0, 5676.0, 5626.0, 5543.0, 5378.0, 5420.0, 5715.0, 5345.0, 5492.0, 5357.0, 5567.0, 5349.0, 5609.0, 5618.0, 5385.0, 5269.0, 5284.0, 5666.0, 5516.0, 5631.0, 5404.0, 5360.0, 5431.0, 5513.0, 5485.0, 5574.0, 5555.0, 5328.0, 5563.0, 5591.0, 5695.0, 5424.0, 5703.0, 5456.0, 5619.0, 5259.0, 5467.0, 5491.0, 5348.0, 5678.0, 5281.0, 5696.0, 5339.0, 5673.0, 5384.0, 5531.0, 5312.0, 5694.0, 5302.0, 5396.0, 5580.0, 5566.0, 5436.0, 5449.0, 5374.0, 5642.0, 5587.0, 5565.0, 5399.0, 5640.0, 5473.0, 5304.0, 5717.0, 5612.0, 5706.0, 5503.0, 5411.0, 5355.0, 5526.0, 5597.0, 5512.0, 5509.0, 5632.0, 5508.0, 5578.0, 5641.0, 5344.0, 5365.0, 5460.0, 5709.0, 5291.0, 5528.0, 5624.0, 5533.0, 5654.0, 5575.0, 5261.0, 5593.0, 5542.0 (number of hits: 6)
2	5270	9	1	333	1	5425.0, 5460.0, 5451.0, 5576.0, 5532.0, 5393.0, 5506.0, 5475.0, 5381.0, 5634.0, 5525.0, 5618.0, 5424.0, 5401.0, 5445.0, 5328.0, 5354.0, 5252.0, 5695.0, 5517.0, 5710.0, 5664.0, 5514.0, 5332.0, 5538.0, 5627.0, 5455.0, 5584.0, 5300.0, 5298.0, 5493.0, 5612.0, 5648.0, 5653.0, 5461.0, 5536.0, 5411.0, 5673.0, 5639.0, 5293.0, 5499.0, 5459.0, 5409.0, 5347.0, 5659.0, 5382.0, 5415.0, 5638.0, 5467.0, 5671.0, 5701.0, 5294.0, 5580.0, 5555.0, 5334.0, 5400.0, 5629.0, 5321.0, 5255.0, 5721.0, 5550.0, 5377.0, 5343.0, 5264.0, 5280.0, 5443.0, 5360.0, 5665.0, 5430.0, 5268.0, 5351.0, 5658.0, 5279.0, 5635.0, 5544.0, 5463.0, 5579.0, 5327.0, 5386.0, 5592.0, 5470.0, 5269.0, 5500.0, 5613.0, 5689.0, 5518.0, 5602.0, 5437.0, 5272.0, 5476.0, 5404.0, 5274.0, 5572.0, 5392.0, 5420.0, 5422.0, 5533.0, 5450.0, 5266.0, 5479.0 (number of hits: 4)
3	5270	9	1	333	1	5338.0, 5518.0, 5260.0, 5627.0, 5328.0, 5398.0, 5358.0, 5462.0, 5558.0, 5670.0, 5287.0, 5451.0, 5385.0, 5616.0, 5613.0, 5470.0, 5312.0, 5706.0, 5324.0, 5341.0, 5329.0, 5632.0, 5654.0, 5259.0, 5650.0, 5364.0, 5322.0, 5531.0, 5274.0, 5603.0, 5335.0, 5664.0, 5378.0, 5450.0, 5597.0, 5332.0, 5628.0, 5533.0, 5262.0, 5656.0, 5379.0, 5715.0, 5473.0, 5393.0, 5592.0, 5488.0, 5456.0, 5611.0, 5557.0, 5640.0, 5320.0, 5679.0, 5436.0, 5586.0, 5425.0, 5447.0, 5566.0, 5400.0, 5375.0, 5637.0,

						5344.0, 5620.0, 5345.0, 5538.0, 5429.0, 5426.0, 5311.0, 5306.0, 5497.0, 5683.0, 5495.0, 5605.0, 5392.0, 5507.0, 5484.0, 5574.0, 5655.0, 5465.0, 5330.0, 5331.0, 5583.0, 5251.0, 5509.0, 5619.0, 5390.0, 5310.0, 5389.0, 5691.0, 5252.0, 5716.0, 5702.0, 5326.0, 5452.0, 5540.0, 5467.0, 5673.0, 5490.0, 5263.0, 5371.0, 5717.0 (number of hits: 5)
4	5270	9	1	333	1	5509.0, 5367.0, 5420.0, 5394.0, 5267.0, 5417.0, 5467.0, 5665.0, 5650.0, 5481.0, 5254.0, 5696.0, 5631.0, 5465.0, 5527.0, 5426.0, 5545.0, 5363.0, 5718.0, 5400.0, 5565.0, 5410.0, 5577.0, 5539.0, 5453.0, 5680.0, 5677.0, 5572.0, 5511.0, 5265.0, 5683.0, 5610.0, 5548.0, 5697.0, 5306.0, 5575.0, 5522.0, 5287.0, 5414.0, 5519.0, 5278.0, 5384.0, 5364.0, 5529.0, 5634.0, 5639.0, 5332.0, 5449.0, 5621.0, 5644.0, 5269.0, 5331.0, 5358.0, 5563.0, 5421.0, 5661.0, 5543.0, 5352.0, 5533.0, 5553.0, 5489.0, 5385.0, 5441.0, 5347.0, 5408.0, 5623.0, 5549.0, 5378.0, 5418.0, 5311.0, 5348.0, 5580.0, 5318.0, 5713.0, 5506.0, 5560.0, 5576.0, 5622.0, 5368.0, 5434.0, 5597.0, 5307.0, 5382.0, 5456.0, 5288.0, 5537.0, 5723.0, 5643.0, 5430.0, 5478.0, 5404.0, 5409.0, 5647.0, 5571.0, 5473.0, 5462.0, 5722.0, 5447.0, 5554.0, 5423.0 (number of hits: 5)
5	5270	9	1	333	1	5552.0, 5403.0, 5594.0, 5680.0, 5576.0, 5583.0, 5470.0, 5634.0, 5380.0, 5275.0, 5455.0, 5679.0, 5724.0, 5539.0, 5615.0, 5372.0, 5344.0, 5523.0, 5618.0, 5410.0, 5430.0, 5504.0, 5676.0, 5299.0, 5510.0, 5265.0, 5260.0, 5353.0, 5655.0, 5332.0, 5443.0, 5708.0, 5513.0, 5308.0, 5303.0, 5548.0, 5400.0, 5341.0, 5428.0, 5525.0, 5290.0, 5486.0, 5315.0, 5294.0, 5574.0, 5669.0, 5319.0, 5564.0, 5621.0, 5377.0, 5550.0, 5670.0, 5639.0, 5632.0, 5709.0, 5613.0, 5274.0, 5585.0, 5692.0, 5475.0, 5473.0, 5719.0, 5702.0, 5648.0, 5653.0, 5616.0, 5376.0, 5381.0, 5526.0, 5354.0, 5460.0, 5311.0, 5607.0, 5279.0, 5374.0, 5657.0, 5263.0, 5358.0, 5394.0, 5334.0, 5438.0, 5440.0, 5656.0, 5281.0, 5489.0, 5689.0, 5582.0, 5595.0, 5313.0, 5458.0, 5599.0, 5675.0, 5347.0, 5436.0, 5611.0, 5405.0, 5431.0, 5287.0, 5538.0, 5579.0 (number of hits: 8)
6	5270	9	1	333	1	5419.0, 5476.0, 5382.0, 5293.0, 5488.0, 5469.0, 5297.0, 5490.0, 5386.0, 5528.0, 5684.0, 5420.0, 5483.0, 5716.0, 5546.0, 5470.0, 5275.0, 5636.0, 5372.0, 5699.0, 5689.0, 5563.0, 5277.0, 5463.0, 5457.0, 5288.0, 5360.0, 5567.0, 5722.0, 5434.0, 5254.0, 5608.0, 5359.0, 5425.0, 5556.0, 5299.0, 5480.0, 5498.0, 5580.0, 5358.0,

						5670.0, 5598.0, 5390.0, 5423.0, 5466.0, 5427.0, 5555.0, 5458.0, 5548.0, 5705.0, 5633.0, 5412.0, 5370.0, 5350.0, 5620.0, 5281.0, 5574.0, 5331.0, 5451.0, 5508.0, 5351.0, 5392.0, 5352.0, 5330.0, 5435.0, 5609.0, 5306.0, 5345.0, 5325.0, 5539.0, 5367.0, 5378.0, 5532.0, 5270.0, 5614.0, 5559.0, 5557.0, 5589.0, 5544.0, 5521.0, 5394.0, 5562.0, 5309.0, 5533.0, 5381.0, 5304.0, 5375.0, 5399.0, 5255.0, 5713.0, 5718.0, 5329.0, 5444.0, 5720.0, 5430.0, 5565.0, 5278.0, 5656.0, 5428.0, 5355.0 (number of hits: 7)
7	5270	9	1	333	1	5703.0, 5312.0, 5398.0, 5401.0, 5595.0, 5533.0, 5581.0, 5499.0, 5356.0, 5360.0, 5396.0, 5631.0, 5648.0, 5710.0, 5494.0, 5322.0, 5678.0, 5506.0, 5656.0, 5498.0, 5649.0, 5517.0, 5402.0, 5513.0, 5670.0, 5558.0, 5537.0, 5685.0, 5694.0, 5268.0, 5326.0, 5630.0, 5616.0, 5495.0, 5589.0, 5334.0, 5646.0, 5586.0, 5251.0, 5335.0, 5653.0, 5667.0, 5318.0, 5429.0, 5651.0, 5572.0, 5704.0, 5313.0, 5723.0, 5323.0, 5695.0, 5342.0, 5428.0, 5452.0, 5333.0, 5569.0, 5574.0, 5276.0, 5403.0, 5545.0, 5547.0, 5471.0, 5477.0, 5434.0, 5270.0, 5274.0, 5507.0, 5463.0, 5280.0, 5610.0, 5412.0, 5632.0, 5339.0, 5382.0, 5516.0, 5407.0, 5582.0, 5713.0, 5570.0, 5362.0, 5627.0, 5615.0, 5271.0, 5370.0, 5511.0, 5686.0, 5584.0, 5504.0, 5311.0, 5277.0, 5436.0, 5440.0, 5395.0, 5492.0, 5565.0, 5562.0, 5571.0, 5550.0, 5491.0, 5663.0 (number of hits: 3)
8	5270	9	1	333	1	5520.0, 5721.0, 5352.0, 5416.0, 5682.0, 5265.0, 5320.0, 5630.0, 5526.0, 5279.0, 5403.0, 5422.0, 5332.0, 5307.0, 5535.0, 5463.0, 5545.0, 5317.0, 5491.0, 5451.0, 5631.0, 5345.0, 5442.0, 5337.0, 5398.0, 5722.0, 5397.0, 5445.0, 5647.0, 5530.0, 5510.0, 5488.0, 5420.0, 5311.0, 5555.0, 5449.0, 5376.0, 5308.0, 5261.0, 5532.0, 5611.0, 5657.0, 5298.0, 5252.0, 5380.0, 5454.0, 5636.0, 5392.0, 5674.0, 5572.0, 5282.0, 5411.0, 5610.0, 5543.0, 5593.0, 5271.0, 5601.0, 5439.0, 5395.0, 5381.0, 5529.0, 5443.0, 5627.0, 5523.0, 5467.0, 5334.0, 5544.0, 5359.0, 5304.0, 5459.0, 5492.0, 5412.0, 5472.0, 5643.0, 5417.0, 5623.0, 5285.0, 5709.0, 5648.0, 5710.0, 5560.0, 5620.0, 5570.0, 5685.0, 5344.0, 5597.0, 5415.0, 5625.0, 5289.0, 5617.0, 5351.0, 5277.0, 5465.0, 5552.0, 5542.0, 5697.0, 5370.0, 5718.0, 5714.0, 5431.0 (number of hits: 7)
9	5270	9	1	333	1	5565.0, 5268.0, 5628.0, 5557.0, 5687.0, 5271.0, 5288.0, 5255.0, 5324.0, 5405.0, 5527.0, 5569.0, 5264.0, 5474.0, 5668.0, 5380.0, 5476.0, 5251.0, 5445.0, 5370.0,

						5560.0, 5496.0, 5671.0, 5645.0, 5326.0, 5644.0, 5660.0, 5608.0, 5462.0, 5610.0, 5254.0, 5675.0, 5390.0, 5443.0, 5256.0, 5620.0, 5705.0, 5385.0, 5513.0, 5294.0, 5306.0, 5672.0, 5448.0, 5540.0, 5609.0, 5413.0, 5718.0, 5715.0, 5677.0, 5630.0, 5430.0, 5338.0, 5467.0, 5606.0, 5446.0, 5652.0, 5463.0, 5418.0, 5262.0, 5684.0, 5422.0, 5378.0, 5689.0, 5287.0, 5410.0, 5633.0, 5642.0, 5277.0, 5669.0, 5278.0, 5367.0, 5614.0, 5541.0, 5575.0, 5505.0, 5301.0, 5568.0, 5375.0, 5289.0, 5587.0, 5482.0, 5507.0, 5589.0, 5438.0, 5697.0, 5643.0, 5721.0, 5520.0, 5379.0, 5670.0, 5711.0, 5638.0, 5679.0, 5636.0, 5717.0, 5659.0, 5676.0, 5417.0, 5707.0, 5456.0 (number of hits: 6)
10	5270	9	1	333	1	5281.0, 5567.0, 5373.0, 5570.0, 5443.0, 5256.0, 5710.0, 5324.0, 5608.0, 5340.0, 5296.0, 5310.0, 5360.0, 5412.0, 5616.0, 5556.0, 5406.0, 5303.0, 5542.0, 5600.0, 5485.0, 5645.0, 5505.0, 5386.0, 5346.0, 5312.0, 5503.0, 5593.0, 5615.0, 5599.0, 5586.0, 5411.0, 5284.0, 5622.0, 5381.0, 5458.0, 5274.0, 5480.0, 5493.0, 5578.0, 5471.0, 5487.0, 5333.0, 5391.0, 5634.0, 5486.0, 5654.0, 5436.0, 5251.0, 5342.0, 5697.0, 5407.0, 5526.0, 5263.0, 5395.0, 5533.0, 5287.0, 5253.0, 5716.0, 5669.0, 5671.0, 5553.0, 5703.0, 5519.0, 5637.0, 5538.0, 5677.0, 5598.0, 5560.0, 5317.0, 5457.0, 5576.0, 5517.0, 5278.0, 5375.0, 5670.0, 5384.0, 5428.0, 5277.0, 5301.0, 5265.0, 5566.0, 5286.0, 5640.0, 5685.0, 5722.0, 5267.0, 5266.0, 5529.0, 5724.0, 5648.0, 5562.0, 5376.0, 5723.0, 5308.0, 5350.0, 5522.0, 5488.0, 5388.0, 5549.0 (number of hits: 8)
11	5270	9	1	333	1	5544.0, 5657.0, 5386.0, 5417.0, 5407.0, 5601.0, 5714.0, 5325.0, 5379.0, 5422.0, 5497.0, 5696.0, 5403.0, 5644.0, 5372.0, 5258.0, 5253.0, 5420.0, 5285.0, 5638.0, 5307.0, 5625.0, 5336.0, 5267.0, 5548.0, 5603.0, 5682.0, 5573.0, 5531.0, 5482.0, 5618.0, 5377.0, 5299.0, 5489.0, 5652.0, 5461.0, 5541.0, 5506.0, 5295.0, 5330.0, 5279.0, 5348.0, 5263.0, 5477.0, 5664.0, 5498.0, 5283.0, 5522.0, 5381.0, 5492.0, 5404.0, 5613.0, 5699.0, 5654.0, 5629.0, 5577.0, 5687.0, 5472.0, 5514.0, 5701.0, 5287.0, 5627.0, 5661.0, 5639.0, 5462.0, 5539.0, 5525.0, 5633.0, 5319.0, 5312.0, 5542.0, 5276.0, 5402.0, 5636.0, 5505.0, 5255.0, 5524.0, 5449.0, 5672.0, 5504.0, 5375.0, 5529.0, 5694.0, 5556.0, 5252.0, 5314.0, 5490.0, 5598.0, 5315.0, 5471.0, 5645.0, 5596.0, 5313.0, 5673.0, 5401.0, 5675.0, 5394.0, 5454.0, 5316.0, 5511.0 (number of hits: 8)

12	5270	9	1	333	1	5689.0, 5275.0, 5430.0, 5325.0, 5515.0, 5444.0, 5359.0, 5560.0, 5432.0, 5652.0, 5587.0, 5478.0, 5437.0, 5565.0, 5591.0, 5680.0, 5258.0, 5429.0, 5718.0, 5467.0, 5653.0, 5348.0, 5314.0, 5288.0, 5466.0, 5492.0, 5266.0, 5267.0, 5547.0, 5338.0, 5489.0, 5420.0, 5263.0, 5698.0, 5630.0, 5315.0, 5419.0, 5475.0, 5427.0, 5423.0, 5252.0, 5504.0, 5283.0, 5386.0, 5495.0, 5379.0, 5670.0, 5474.0, 5627.0, 5415.0, 5382.0, 5657.0, 5299.0, 5350.0, 5500.0, 5481.0, 5426.0, 5574.0, 5609.0, 5433.0, 5602.0, 5637.0, 5362.0, 5259.0, 5389.0, 5658.0, 5683.0, 5676.0, 5714.0, 5688.0, 5462.0, 5568.0, 5421.0, 5376.0, 5639.0, 5289.0, 5251.0, 5458.0, 5293.0, 5351.0, 5508.0, 5418.0, 5375.0, 5345.0, 5321.0, 5499.0, 5719.0, 5342.0, 5646.0, 5606.0, 5618.0, 5674.0, 5480.0, 5360.0, 5383.0, 5527.0, 5692.0, 5672.0, 5331.0, 5353.0 (number of hits: 5)
13	5270	9	1	333	1	5563.0, 5442.0, 5559.0, 5538.0, 5690.0, 5460.0, 5424.0, 5685.0, 5385.0, 5428.0, 5337.0, 5643.0, 5268.0, 5327.0, 5550.0, 5426.0, 5362.0, 5680.0, 5309.0, 5480.0, 5308.0, 5390.0, 5316.0, 5501.0, 5629.0, 5297.0, 5329.0, 5317.0, 5284.0, 5626.0, 5513.0, 5631.0, 5618.0, 5333.0, 5363.0, 5315.0, 5439.0, 5370.0, 5655.0, 5393.0, 5307.0, 5476.0, 5602.0, 5379.0, 5409.0, 5449.0, 5351.0, 5318.0, 5709.0, 5555.0, 5479.0, 5289.0, 5536.0, 5596.0, 5573.0, 5320.0, 5688.0, 5386.0, 5275.0, 5630.0, 5660.0, 5526.0, 5416.0, 5266.0, 5290.0, 5438.0, 5276.0, 5710.0, 5663.0, 5387.0, 5420.0, 5708.0, 5475.0, 5305.0, 5360.0, 5652.0, 5675.0, 5280.0, 5406.0, 5671.0, 5577.0, 5530.0, 5312.0, 5303.0, 5715.0, 5258.0, 5648.0, 5451.0, 5707.0, 5599.0, 5654.0, 5491.0, 5398.0, 5634.0, 5391.0, 5669.0, 5437.0, 5448.0, 5531.0, 5552.0 (number of hits: 9)
14	5270	9	1	333	1	5491.0, 5260.0, 5482.0, 5438.0, 5307.0, 5470.0, 5673.0, 5421.0, 5647.0, 5289.0, 5394.0, 5318.0, 5706.0, 5464.0, 5360.0, 5616.0, 5629.0, 5710.0, 5605.0, 5494.0, 5386.0, 5348.0, 5373.0, 5569.0, 5295.0, 5399.0, 5473.0, 5321.0, 5568.0, 5691.0, 5450.0, 5298.0, 5546.0, 5344.0, 5685.0, 5254.0, 5570.0, 5387.0, 5506.0, 5398.0, 5275.0, 5661.0, 5449.0, 5499.0, 5489.0, 5403.0, 5619.0, 5460.0, 5564.0, 5397.0, 5338.0, 5446.0, 5525.0, 5712.0, 5362.0, 5382.0, 5481.0, 5426.0, 5440.0, 5314.0, 5633.0, 5624.0, 5505.0, 5316.0, 5406.0, 5492.0, 5255.0, 5463.0, 5313.0, 5315.0, 5521.0, 5636.0, 5543.0, 5575.0, 5342.0, 5306.0, 5290.0, 5443.0, 5594.0, 5272.0, 5412.0, 5301.0, 5536.0, 5415.0, 5312.0,

						5544.0, 5654.0, 5705.0, 5467.0, 5662.0, 5565.0, 5420.0, 5555.0, 5610.0, 5496.0, 5670.0, 5622.0, 5308.0, 5328.0, 5303.0 (number of hits: 12)
15	5270	9	1	333	1	5636.0, 5654.0, 5291.0, 5514.0, 5716.0, 5693.0, 5430.0, 5304.0, 5539.0, 5323.0, 5286.0, 5427.0, 5550.0, 5386.0, 5353.0, 5428.0, 5451.0, 5484.0, 5487.0, 5709.0, 5569.0, 5498.0, 5434.0, 5650.0, 5467.0, 5488.0, 5442.0, 5625.0, 5649.0, 5365.0, 5328.0, 5380.0, 5476.0, 5583.0, 5490.0, 5332.0, 5520.0, 5340.0, 5632.0, 5522.0, 5699.0, 5515.0, 5264.0, 5345.0, 5346.0, 5669.0, 5270.0, 5349.0, 5440.0, 5460.0, 5436.0, 5284.0, 5485.0, 5461.0, 5454.0, 5330.0, 5542.0, 5458.0, 5501.0, 5512.0, 5524.0, 5651.0, 5422.0, 5483.0, 5418.0, 5336.0, 5464.0, 5710.0, 5288.0, 5389.0, 5659.0, 5566.0, 5535.0, 5478.0, 5295.0, 5362.0, 5374.0, 5333.0, 5307.0, 5573.0, 5606.0, 5310.0, 5567.0, 5282.0, 5559.0, 5321.0, 5444.0, 5692.0, 5254.0, 5510.0, 5549.0, 5466.0, 5494.0, 5274.0, 5408.0, 5633.0, 5343.0, 5613.0, 5404.0, 5655.0 (number of hits: 7)
16	5270	9	1	333	1	5570.0, 5540.0, 5288.0, 5665.0, 5523.0, 5347.0, 5371.0, 5411.0, 5412.0, 5479.0, 5319.0, 5504.0, 5296.0, 5711.0, 5589.0, 5548.0, 5260.0, 5439.0, 5642.0, 5388.0, 5709.0, 5661.0, 5362.0, 5696.0, 5569.0, 5470.0, 5262.0, 5667.0, 5706.0, 5714.0, 5537.0, 5298.0, 5327.0, 5264.0, 5415.0, 5333.0, 5670.0, 5253.0, 5292.0, 5626.0, 5437.0, 5477.0, 5623.0, 5695.0, 5432.0, 5519.0, 5322.0, 5631.0, 5556.0, 5397.0, 5484.0, 5611.0, 5386.0, 5511.0, 5335.0, 5606.0, 5458.0, 5400.0, 5660.0, 5497.0, 5628.0, 5472.0, 5710.0, 5492.0, 5348.0, 5455.0, 5385.0, 5591.0, 5469.0, 5558.0, 5516.0, 5489.0, 5405.0, 5664.0, 5655.0, 5572.0, 5358.0, 5396.0, 5306.0, 5325.0, 5326.0, 5356.0, 5576.0, 5512.0, 5433.0, 5555.0, 5498.0, 5311.0, 5712.0, 5383.0, 5290.0, 5476.0, 5284.0, 5295.0, 5510.0, 5453.0, 5514.0, 5688.0, 5357.0, 5280.0 (number of hits: 8)
17	5270	9	1	333	1	5690.0, 5322.0, 5290.0, 5364.0, 5674.0, 5265.0, 5536.0, 5543.0, 5535.0, 5641.0, 5441.0, 5281.0, 5282.0, 5304.0, 5529.0, 5559.0, 5686.0, 5347.0, 5714.0, 5610.0, 5614.0, 5669.0, 5504.0, 5317.0, 5276.0, 5461.0, 5313.0, 5589.0, 5253.0, 5608.0, 5665.0, 5439.0, 5336.0, 5634.0, 5435.0, 5563.0, 5644.0, 5596.0, 5342.0, 5417.0, 5706.0, 5645.0, 5260.0, 5250.0, 5576.0, 5459.0, 5564.0, 5466.0, 5442.0, 5719.0, 5385.0, 5316.0, 5718.0, 5653.0, 5314.0, 5702.0, 5548.0, 5601.0, 5659.0, 5307.0, 5593.0, 5334.0, 5403.0, 5264.0, 5409.0,

						5703.0, 5636.0, 5654.0, 5520.0, 5705.0, 5261.0, 5280.0, 5562.0, 5670.0, 5668.0, 5272.0, 5326.0, 5547.0, 5335.0, 5527.0, 5324.0, 5587.0, 5345.0, 5359.0, 5308.0, 5355.0, 5289.0, 5278.0, 5331.0, 5286.0, 5502.0, 5534.0, 5492.0, 5383.0, 5412.0, 5382.0, 5448.0, 5539.0, 5370.0, 5401.0 (number of hits: 8)
18	5270	9	1	333	1	5665.0, 5296.0, 5457.0, 5370.0, 5639.0, 5335.0, 5643.0, 5599.0, 5469.0, 5565.0, 5527.0, 5431.0, 5338.0, 5253.0, 5587.0, 5692.0, 5702.0, 5323.0, 5361.0, 5660.0, 5571.0, 5481.0, 5634.0, 5674.0, 5503.0, 5616.0, 5716.0, 5390.0, 5627.0, 5512.0, 5534.0, 5354.0, 5285.0, 5451.0, 5373.0, 5332.0, 5396.0, 5312.0, 5621.0, 5475.0, 5614.0, 5685.0, 5569.0, 5372.0, 5349.0, 5700.0, 5586.0, 5722.0, 5550.0, 5610.0, 5556.0, 5484.0, 5720.0, 5644.0, 5574.0, 5547.0, 5605.0, 5448.0, 5694.0, 5293.0, 5478.0, 5679.0, 5460.0, 5517.0, 5433.0, 5690.0, 5393.0, 5317.0, 5308.0, 5303.0, 5626.0, 5316.0, 5426.0, 5640.0, 5440.0, 5567.0, 5470.0, 5647.0, 5276.0, 5352.0, 5509.0, 5553.0, 5320.0, 5608.0, 5283.0, 5261.0, 5695.0, 5282.0, 5516.0, 5507.0, 5297.0, 5623.0, 5666.0, 5491.0, 5548.0, 5709.0, 5617.0, 5598.0, 5387.0, 5398.0 (number of hits: 7)
19	5270	9	1	333	1	5724.0, 5252.0, 5316.0, 5262.0, 5721.0, 5433.0, 5297.0, 5705.0, 5656.0, 5555.0, 5325.0, 5406.0, 5415.0, 5515.0, 5654.0, 5270.0, 5424.0, 5553.0, 5657.0, 5549.0, 5324.0, 5309.0, 5362.0, 5320.0, 5473.0, 5540.0, 5441.0, 5661.0, 5418.0, 5284.0, 5685.0, 5535.0, 5543.0, 5348.0, 5347.0, 5354.0, 5422.0, 5416.0, 5380.0, 5539.0, 5474.0, 5600.0, 5396.0, 5291.0, 5403.0, 5447.0, 5498.0, 5387.0, 5476.0, 5637.0, 5619.0, 5558.0, 5339.0, 5699.0, 5626.0, 5692.0, 5250.0, 5713.0, 5333.0, 5506.0, 5443.0, 5280.0, 5579.0, 5358.0, 5467.0, 5279.0, 5565.0, 5264.0, 5516.0, 5350.0, 5278.0, 5481.0, 5266.0, 5466.0, 5706.0, 5720.0, 5414.0, 5672.0, 5323.0, 5610.0, 5377.0, 5289.0, 5708.0, 5274.0, 5717.0, 5417.0, 5645.0, 5665.0, 5283.0, 5580.0, 5575.0, 5492.0, 5296.0, 5551.0, 5254.0, 5452.0, 5605.0, 5349.0, 5370.0, 5344.0 (number of hits: 5)
20	5270	9	1	333	1	5412.0, 5345.0, 5686.0, 5286.0, 5417.0, 5581.0, 5375.0, 5317.0, 5613.0, 5693.0, 5689.0, 5623.0, 5506.0, 5318.0, 5297.0, 5687.0, 5503.0, 5590.0, 5449.0, 5691.0, 5411.0, 5380.0, 5552.0, 5308.0, 5435.0, 5676.0, 5593.0, 5542.0, 5535.0, 5592.0, 5455.0, 5537.0, 5272.0, 5678.0, 5265.0, 5640.0, 5710.0, 5723.0, 5341.0, 5355.0, 5587.0, 5681.0, 5343.0, 5283.0, 5703.0,

						5583.0, 5516.0, 5379.0, 5303.0, 5589.0, 5527.0, 5255.0, 5600.0, 5704.0, 5624.0, 5250.0, 5446.0, 5416.0, 5467.0, 5569.0, 5508.0, 5654.0, 5539.0, 5263.0, 5442.0, 5692.0, 5495.0, 5394.0, 5577.0, 5502.0, 5415.0, 5488.0, 5414.0, 5450.0, 5622.0, 5491.0, 5314.0, 5635.0, 5445.0, 5562.0, 5576.0, 5530.0, 5620.0, 5465.0, 5644.0, 5511.0, 5315.0, 5492.0, 5494.0, 5696.0, 5291.0, 5507.0, 5656.0, 5364.0, 5708.0, 5385.0, 5370.0, 5365.0, 5395.0, 5513.0 (number of hits: 6)
21	5270	9	1	333	1	5359.0, 5604.0, 5721.0, 5352.0, 5688.0, 5694.0, 5288.0, 5640.0, 5376.0, 5410.0, 5430.0, 5515.0, 5581.0, 5423.0, 5284.0, 5252.0, 5680.0, 5254.0, 5631.0, 5691.0, 5490.0, 5656.0, 5344.0, 5385.0, 5716.0, 5462.0, 5307.0, 5397.0, 5540.0, 5570.0, 5467.0, 5466.0, 5605.0, 5480.0, 5406.0, 5597.0, 5424.0, 5519.0, 5559.0, 5536.0, 5434.0, 5492.0, 5554.0, 5298.0, 5353.0, 5395.0, 5257.0, 5404.0, 5315.0, 5297.0, 5301.0, 5529.0, 5402.0, 5504.0, 5403.0, 5588.0, 5439.0, 5259.0, 5451.0, 5275.0, 5413.0, 5608.0, 5697.0, 5389.0, 5558.0, 5655.0, 5642.0, 5692.0, 5678.0, 5607.0, 5639.0, 5514.0, 5569.0, 5575.0, 5567.0, 5346.0, 5471.0, 5496.0, 5508.0, 5698.0, 5313.0, 5318.0, 5521.0, 5321.0, 5409.0, 5648.0, 5455.0, 5705.0, 5320.0, 5627.0, 5651.0, 5615.0, 5380.0, 5547.0, 5270.0, 5645.0, 5560.0, 5400.0, 5375.0, 5649.0 (number of hits: 6)
22	5270	9	1	333	1	5458.0, 5722.0, 5545.0, 5402.0, 5677.0, 5528.0, 5482.0, 5716.0, 5270.0, 5361.0, 5371.0, 5460.0, 5665.0, 5404.0, 5299.0, 5611.0, 5478.0, 5286.0, 5593.0, 5660.0, 5467.0, 5465.0, 5694.0, 5613.0, 5296.0, 5422.0, 5317.0, 5718.0, 5406.0, 5261.0, 5285.0, 5687.0, 5414.0, 5476.0, 5354.0, 5446.0, 5443.0, 5355.0, 5258.0, 5454.0, 5615.0, 5503.0, 5676.0, 5417.0, 5294.0, 5395.0, 5547.0, 5622.0, 5255.0, 5430.0, 5723.0, 5558.0, 5474.0, 5272.0, 5330.0, 5686.0, 5401.0, 5695.0, 5698.0, 5632.0, 5581.0, 5365.0, 5590.0, 5691.0, 5669.0, 5265.0, 5517.0, 5463.0, 5343.0, 5569.0, 5587.0, 5702.0, 5300.0, 5349.0, 5271.0, 5289.0, 5575.0, 5573.0, 5586.0, 5591.0, 5287.0, 5352.0, 5366.0, 5707.0, 5441.0, 5612.0, 5514.0, 5442.0, 5604.0, 5576.0, 5420.0, 5551.0, 5304.0, 5635.0, 5266.0, 5353.0, 5335.0, 5658.0, 5486.0, 5461.0 (number of hits: 9)
23	5270	9	1	333	1	5570.0, 5685.0, 5593.0, 5402.0, 5603.0, 5483.0, 5641.0, 5657.0, 5555.0, 5449.0, 5633.0, 5639.0, 5654.0, 5713.0, 5337.0, 5548.0, 5620.0, 5716.0, 5420.0, 5389.0, 5643.0, 5519.0, 5283.0, 5395.0, 5517.0,

						5311.0, 5345.0, 5683.0, 5514.0, 5672.0, 5526.0, 5388.0, 5589.0, 5416.0, 5352.0, 5627.0, 5611.0, 5357.0, 5292.0, 5439.0, 5488.0, 5360.0, 5607.0, 5671.0, 5623.0, 5640.0, 5634.0, 5608.0, 5497.0, 5695.0, 5319.0, 5553.0, 5678.0, 5709.0, 5510.0, 5377.0, 5554.0, 5655.0, 5387.0, 5314.0, 5571.0, 5253.0, 5609.0, 5619.0, 5397.0, 5458.0, 5550.0, 5310.0, 5317.0, 5590.0, 5719.0, 5610.0, 5475.0, 5529.0, 5592.0, 5532.0, 5456.0, 5560.0, 5442.0, 5250.0, 5545.0, 5413.0, 5499.0, 5613.0, 5549.0, 5556.0, 5325.0, 5429.0, 5393.0, 5368.0, 5615.0, 5454.0, 5410.0, 5660.0, 5486.0, 5407.0, 5691.0, 5546.0, 5281.0, 5381.0 (number of hits: 4)
24	5270	9	1	333	1	5310.0, 5484.0, 5684.0, 5333.0, 5445.0, 5536.0, 5474.0, 5685.0, 5487.0, 5369.0, 5255.0, 5266.0, 5717.0, 5293.0, 5303.0, 5503.0, 5632.0, 5299.0, 5514.0, 5535.0, 5508.0, 5648.0, 5313.0, 5556.0, 5425.0, 5260.0, 5419.0, 5630.0, 5291.0, 5704.0, 5449.0, 5387.0, 5563.0, 5567.0, 5455.0, 5309.0, 5531.0, 5330.0, 5454.0, 5433.0, 5450.0, 5489.0, 5466.0, 5564.0, 5284.0, 5523.0, 5597.0, 5250.0, 5593.0, 5365.0, 5688.0, 5495.0, 5464.0, 5448.0, 5691.0, 5600.0, 5545.0, 5294.0, 5584.0, 5569.0, 5502.0, 5368.0, 5661.0, 5388.0, 5674.0, 5599.0, 5651.0, 5350.0, 5558.0, 5629.0, 5391.0, 5505.0, 5257.0, 5524.0, 5304.0, 5459.0, 5301.0, 5441.0, 5431.0, 5548.0, 5475.0, 5364.0, 5426.0, 5544.0, 5682.0, 5476.0, 5521.0, 5705.0, 5452.0, 5488.0, 5379.0, 5344.0, 5668.0, 5638.0, 5406.0, 5478.0, 5432.0, 5623.0, 5575.0, 5615.0 (number of hits: 10)
25	5270	9	1	333	1	5370.0, 5492.0, 5393.0, 5392.0, 5339.0, 5430.0, 5343.0, 5266.0, 5574.0, 5303.0, 5329.0, 5614.0, 5539.0, 5586.0, 5517.0, 5655.0, 5643.0, 5354.0, 5549.0, 5265.0, 5691.0, 5506.0, 5260.0, 5676.0, 5566.0, 5666.0, 5302.0, 5421.0, 5466.0, 5644.0, 5487.0, 5661.0, 5659.0, 5348.0, 5467.0, 5500.0, 5457.0, 5439.0, 5483.0, 5663.0, 5579.0, 5705.0, 5628.0, 5426.0, 5619.0, 5543.0, 5282.0, 5569.0, 5378.0, 5364.0, 5528.0, 5419.0, 5313.0, 5344.0, 5452.0, 5536.0, 5444.0, 5712.0, 5662.0, 5657.0, 5493.0, 5602.0, 5717.0, 5537.0, 5473.0, 5710.0, 5669.0, 5647.0, 5288.0, 5509.0, 5458.0, 5598.0, 5281.0, 5650.0, 5475.0, 5649.0, 5587.0, 5627.0, 5351.0, 5295.0, 5453.0, 5293.0, 5384.0, 5395.0, 5357.0, 5668.0, 5448.0, 5478.0, 5270.0, 5507.0, 5615.0, 5369.0, 5689.0, 5693.0, 5498.0, 5603.0, 5562.0, 5362.0, 5685.0, 5601.0 (number of hits: 6)
26	5270	9	1	333	1	5571.0, 5720.0, 5440.0, 5311.0, 5491.0,

						5543.0, 5641.0, 5518.0, 5546.0, 5492.0, 5332.0, 5443.0, 5689.0, 5482.0, 5469.0, 5676.0, 5624.0, 5648.0, 5361.0, 5452.0, 5711.0, 5263.0, 5269.0, 5410.0, 5616.0, 5430.0, 5453.0, 5333.0, 5717.0, 5661.0, 5710.0, 5264.0, 5644.0, 5324.0, 5653.0, 5646.0, 5434.0, 5290.0, 5532.0, 5708.0, 5376.0, 5328.0, 5535.0, 5519.0, 5588.0, 5302.0, 5647.0, 5340.0, 5338.0, 5524.0, 5414.0, 5606.0, 5523.0, 5512.0, 5450.0, 5607.0, 5356.0, 5278.0, 5678.0, 5459.0, 5339.0, 5540.0, 5499.0, 5545.0, 5530.0, 5287.0, 5373.0, 5399.0, 5538.0, 5585.0, 5582.0, 5378.0, 5298.0, 5387.0, 5456.0, 5306.0, 5464.0, 5406.0, 5596.0, 5462.0, 5369.0, 5623.0, 5295.0, 5628.0, 5569.0, 5698.0, 5699.0, 5473.0, 5475.0, 5309.0, 5687.0, 5322.0, 5425.0, 5517.0, 5671.0, 5327.0, 5331.0, 5486.0, 5602.0, 5613.0 (number of hits: 8)
27	5270	9	1	333	1	5530.0, 5486.0, 5506.0, 5494.0, 5455.0, 5679.0, 5338.0, 5474.0, 5463.0, 5642.0, 5352.0, 5477.0, 5631.0, 5319.0, 5645.0, 5602.0, 5576.0, 5424.0, 5665.0, 5289.0, 5545.0, 5481.0, 5668.0, 5478.0, 5377.0, 5458.0, 5310.0, 5518.0, 5444.0, 5552.0, 5468.0, 5517.0, 5626.0, 5376.0, 5430.0, 5252.0, 5306.0, 5395.0, 5314.0, 5656.0, 5593.0, 5353.0, 5692.0, 5397.0, 5260.0, 5685.0, 5360.0, 5479.0, 5529.0, 5265.0, 5554.0, 5283.0, 5447.0, 5320.0, 5438.0, 5591.0, 5421.0, 5538.0, 5317.0, 5675.0, 5495.0, 5662.0, 5690.0, 5673.0, 5435.0, 5404.0, 5661.0, 5414.0, 5405.0, 5624.0, 5694.0, 5499.0, 5501.0, 5335.0, 5693.0, 5632.0, 5550.0, 5285.0, 5329.0, 5452.0, 5682.0, 5442.0, 5281.0, 5489.0, 5543.0, 5476.0, 5608.0, 5345.0, 5257.0, 5490.0, 5583.0, 5469.0, 5585.0, 5427.0, 5594.0, 5584.0, 5722.0, 5383.0, 5296.0, 5537.0 (number of hits: 6)
28	5270	9	1	333	1	5310.0, 5353.0, 5622.0, 5557.0, 5502.0, 5578.0, 5513.0, 5344.0, 5368.0, 5372.0, 5591.0, 5260.0, 5531.0, 5582.0, 5357.0, 5529.0, 5643.0, 5329.0, 5538.0, 5282.0, 5646.0, 5700.0, 5343.0, 5548.0, 5520.0, 5477.0, 5614.0, 5362.0, 5278.0, 5598.0, 5261.0, 5496.0, 5706.0, 5691.0, 5328.0, 5298.0, 5360.0, 5504.0, 5358.0, 5422.0, 5364.0, 5464.0, 5431.0, 5708.0, 5560.0, 5539.0, 5302.0, 5552.0, 5433.0, 5712.0, 5495.0, 5692.0, 5389.0, 5334.0, 5637.0, 5683.0, 5367.0, 5388.0, 5634.0, 5551.0, 5338.0, 5340.0, 5687.0, 5610.0, 5506.0, 5403.0, 5621.0, 5488.0, 5595.0, 5342.0, 5324.0, 5521.0, 5420.0, 5472.0, 5556.0, 5297.0, 5449.0, 5703.0, 5655.0, 5606.0, 5474.0, 5579.0, 5273.0, 5585.0, 5309.0, 5500.0, 5702.0, 5386.0, 5532.0, 5592.0,

						5377.0, 5526.0, 5288.0, 5624.0, 5490.0, 5296.0, 5530.0, 5626.0, 5414.0, 5473.0 (number of hits: 7)
29	5270	9	1	333	1	5547.0, 5499.0, 5323.0, 5339.0, 5476.0, 5618.0, 5337.0, 5358.0, 5628.0, 5563.0, 5674.0, 5506.0, 5281.0, 5680.0, 5257.0, 5366.0, 5461.0, 5531.0, 5601.0, 5299.0, 5711.0, 5525.0, 5456.0, 5450.0, 5634.0, 5587.0, 5480.0, 5675.0, 5321.0, 5288.0, 5684.0, 5293.0, 5665.0, 5631.0, 5599.0, 5569.0, 5513.0, 5352.0, 5365.0, 5433.0, 5353.0, 5295.0, 5564.0, 5468.0, 5542.0, 5535.0, 5505.0, 5600.0, 5290.0, 5514.0, 5381.0, 5478.0, 5501.0, 5419.0, 5469.0, 5572.0, 5496.0, 5647.0, 5568.0, 5370.0, 5612.0, 5671.0, 5656.0, 5294.0, 5578.0, 5660.0, 5604.0, 5282.0, 5409.0, 5712.0, 5342.0, 5645.0, 5632.0, 5494.0, 5664.0, 5510.0, 5373.0, 5431.0, 5687.0, 5637.0, 5320.0, 5277.0, 5576.0, 5424.0, 5700.0, 5387.0, 5640.0, 5400.0, 5384.0, 5439.0, 5403.0, 5678.0, 5537.0, 5515.0, 5673.0, 5301.0, 5465.0, 5326.0, 5704.0, 5683.0 (number of hits: 7)
30	5270	9	1	333	1	5714.0, 5631.0, 5671.0, 5575.0, 5255.0, 5459.0, 5448.0, 5333.0, 5712.0, 5580.0, 5652.0, 5687.0, 5454.0, 5502.0, 5610.0, 5308.0, 5267.0, 5492.0, 5642.0, 5587.0, 5399.0, 5422.0, 5405.0, 5667.0, 5531.0, 5623.0, 5329.0, 5376.0, 5274.0, 5313.0, 5285.0, 5398.0, 5550.0, 5463.0, 5558.0, 5401.0, 5451.0, 5349.0, 5599.0, 5677.0, 5304.0, 5592.0, 5629.0, 5591.0, 5607.0, 5439.0, 5443.0, 5318.0, 5593.0, 5654.0, 5609.0, 5638.0, 5542.0, 5337.0, 5518.0, 5563.0, 5569.0, 5633.0, 5560.0, 5377.0, 5621.0, 5601.0, 5649.0, 5353.0, 5632.0, 5641.0, 5335.0, 5416.0, 5268.0, 5532.0, 5613.0, 5444.0, 5254.0, 5360.0, 5611.0, 5374.0, 5685.0, 5715.0, 5537.0, 5284.0, 5433.0, 5485.0, 5352.0, 5327.0, 5344.0, 5529.0, 5585.0, 5534.0, 5527.0, 5723.0, 5501.0, 5651.0, 5363.0, 5586.0, 5617.0, 5457.0, 5706.0, 5478.0, 5381.0, 5496.0 (number of hits: 4)

5550 MHz, 40 MHz Bandwidth

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

Please refer to the following statistical tables:

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	63	1	838	1
2	5550	70	1	758	1
3	5550	78	1	678	1
4	5550	58	1	918	1
5	5550	102	1	518	1
6	5550	92	1	578	1
7	5550	61	1	878	1
8	5550	81	1	658	1
9	5550	68	1	778	1
10	5550	18	1	3066	1
11	5550	89	1	598	1
12	5550	76	1	698	1
13	5550	72	1	738	1
14	5550	83	1	638	1
15	5550	95	1	558	1
16	5550	19	1	2901	1
17	5550	27	1	2006	1
18	5550	24	1	2220	1
19	5550	41	1	1301	1
20	5550	50	1	1073	1
21	5550	18	1	2941	1
22	5550	36	1	1488	1
23	5550	30	1	1791	1
24	5550	24	1	2218	1
25	5550	22	1	2499	1
26	5550	22	1	2502	1
27	5550	57	1	934	1
28	5550	20	1	2710	1
29	5550	19	1	2810	1
30	5550	29	1	1882	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	27	2.5	197	1
2	5550	28	4.5	176	1
3	5550	27	2.4	219	1
4	5550	29	1.3	181	1
5	5550	26	4.5	153	1
6	5550	28	4.9	210	1
7	5550	23	4.5	155	1
8	5550	25	1.9	153	1
9	5550	26	2.7	159	1
10	5550	26	3.4	175	1
11	5550	25	2.4	217	1
12	5550	26	4.9	194	1
13	5550	24	2.6	156	1
14	5550	28	2.8	229	1
15	5550	29	1.4	164	1
16	5550	23	3.1	150	1
17	5550	25	3.6	213	1
18	5550	29	1.2	174	1
19	5550	25	3.6	151	1
20	5550	26	3.5	154	1
21	5550	25	3.4	167	1
22	5550	23	1.4	151	1
23	5550	25	1.7	150	1
24	5550	28	3.2	177	1
25	5550	27	2.5	220	1
26	5550	23	4.9	154	1
27	5550	29	2.2	225	1
28	5550	24	1.8	203	1
29	5550	28	4.3	213	1
30	5550	27	1.8	182	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	18	6.8	447	1
2	5550	18	8.1	422	1
3	5550	16	6	277	1
4	5550	17	9.5	205	1
5	5550	16	9.5	466	1
6	5550	18	9.6	308	1
7	5550	17	9.1	377	1
8	5550	17	9	379	1
9	5550	17	7.1	299	1
10	5550	17	7	257	1
11	5550	16	8.3	437	1
12	5550	18	9.4	448	1
13	5550	18	7	310	1
14	5550	16	8.5	476	1
15	5550	16	7.4	224	1
16	5550	17	9.4	447	1
17	5550	16	7.7	267	1
18	5550	16	7.1	287	1
19	5550	16	7.2	351	1
20	5550	16	7.9	208	1
21	5550	18	7.8	360	1
22	5550	18	7.9	354	1
23	5550	17	8.4	215	1
24	5550	17	8	233	1
25	5550	17	7.4	220	1
26	5550	18	8.2	269	1
27	5550	18	9.4	468	1
28	5550	17	6.2	212	1
29	5550	18	8.5	406	1
30	5550	17	6.5	367	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	12	14.3	358	1
2	5550	15	12	416	1
3	5550	14	19	363	1
4	5550	14	15.4	236	1
5	5550	12	17.2	440	1
6	5550	16	19.7	398	1
7	5550	12	17	482	1
8	5550	12	17.5	346	1
9	5550	12	11.3	280	1
10	5550	12	13.2	375	1
11	5550	16	18.2	312	1
12	5550	15	11.5	354	1
13	5550	12	16.7	435	1
14	5550	15	13.5	357	1
15	5550	14	19.6	248	1
16	5550	12	19	257	1
17	5550	16	18.5	310	1
18	5550	13	13	261	1
19	5550	16	11.8	337	1
20	5550	13	16	258	1
21	5550	13	15.6	230	1
22	5550	12	13	453	1
23	5550	14	17.7	311	1
24	5550	12	12.2	456	1
25	5550	14	13.8	281	1
26	5550	13	11	347	1
27	5550	13	11.7	210	1
28	5550	16	13.4	307	1
29	5550	12	15.8	476	1
30	5550	15	18.6	493	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5561 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	73.9	1961		0.47637	1
1	2	11	74.9	1588		1.629217	
2	2	10	80.5	1586		2.540961	
3	2	13	71.9	1384		2.822776	
4	1	16	66.4			3.910546	
5	1	12	88			4.904422	
6	1	14	59.3			5.253822	
7	3	20	81.8	1164	1511	6.052279	
8	2	12	52.3	1046		7.540386	
9	1	7	99.8			7.940462	
10	2	15	76.2	1667		8.594457	
11	2	13	54.5	1560		10.195807	
12	1	7	57.1			10.524879	
13	2	7	89.6	1549		11.967774	

Bin5 Statistics 2

CF=5552 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	55.9	1425		0.885054	1
1	1	6	89.7			1.188154	
2	2	7	95.6	1784		2.396839	
3	2	5	72.5	1052		3.382777	
4	3	16	73.4	1638	1537	4.198048	
5	3	16	95.2	1913	1942	4.666831	
6	2	8	82.2	1249		6.30214	
7	3	10	55.8	1191	1518	7.041429	
8	1	11	51.5			7.807505	
9	3	10	90.5	1950	1118	8.845284	
10	2	13	53.7	1474		10.045955	

Bin5 Statistics 3

CF=5561 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	13	89	1670		0.587949	1
1	2	19	98	1275		1.420575	
2	3	9	86	1733	1876	2.109129	
3	2	15	99.7	1360		3.011687	
4	3	19	65.8	1433	1293	4.081168	
5	2	7	97.5	1111		5.117118	
6	2	15	54.5	1726		5.813957	
7	2	8	68	1230		6.8186	
8	3	12	57	1889	1723	8.22036	
9	1	20	74.8			8.838464	
10	2	17	55	1356		9.815893	
11	3	16	61.9	1996	1706	10.638446	
12	2	9	99.3	1428		11.104058	

Bin5 Statistics 4

CF=5545 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	17	51			0.641525	1
1	3	6	51.7	1876	1379	0.765616	
2	3	17	68.2	1349	1393	1.573387	
3	1	19	72.2			2.014378	
4	1	10	56			2.977076	
5	3	12	58.1	1033	1969	3.818894	
6	3	18	61	1280	1863	4.420265	
7	1	10	55.4			5.316605	
8	3	10	72.3	1171	1548	5.872978	
9	1	14	67.4			6.48486	
10	3	11	64.8	1816	1320	7.155226	
11	2	10	83.1	1308		7.910517	
12	2	16	84	1102		8.12427	
13	3	16	99.9	1139	1525	9.022091	
14	2	19	67.8	1191		9.657765	
15	1	8	80.9			10.322405	
16	3	19	83.2	1754	1517	11.142087	
17	2	10	54.3	1185		11.93421	

Bin5 Statistics 5

CF=5547 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	60.6	1801	1752	0.25686	1
1	2	18	77.3	1436		0.868991	
2	2	16	55.9	1213		1.624291	
3	1	18	81.1			2.029143	
4	1	5	83.2			2.742169	
5	1	11	58.6			3.7899	
6	3	11	75.2	1825	1848	4.499881	
7	2	7	53.3	1595		4.864061	
8	3	15	80.9	1207	1630	5.591602	
9	2	13	81.2	1776		6.501745	
10	1	9	90			6.999603	
11	3	9	84.8	1366	1080	7.82616	
12	3	11	94.6	1538	1126	8.155189	
13	2	14	82.7	1788		9.161346	
14	3	19	53.8	1478	1162	9.672322	
15	3	20	88.5	1076	1596	10.257826	
16	2	20	95.8	1695		10.968345	
17	2	20	64.6	1725		11.8457	

Bin5 Statistics 6

CF=5539 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	7	53	1875		0.268042	1
1	3	5	88.2	1330	1647	1.469184	
2	2	7	51.6	1884		2.086793	
3	2	17	62.2	1770		3.64597	
4	3	8	79.1	1621	1761	4.434723	
5	2	20	97.2	1939		4.854439	
6	2	5	55.9	1042		6.092346	
7	1	16	64.2			6.505064	
8	3	7	79.4	1109	1152	7.509684	
9	2	10	87.7	1626		8.532433	
10	3	15	58.9	1556	1652	9.883449	
11	2	19	86.4	1550		10.507151	
12	1	10	85.8			11.96351	

Bin5 Statistics 7

CF=5544 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	56.4	1982		0.424455	1
1	1	11	65.5			1.286646	
2	1	14	70.4			2.008987	
3	1	16	65.5			2.581117	
4	2	8	66.8	1673		4.096205	
5	1	8	69.3			4.456828	
6	2	9	52.5	1801		5.87532	
7	1	12	68.7			6.586448	
8	1	19	66.2			7.016026	
9	3	5	74.4	1529	1824	8.2094	
10	2	7	78.1	1321		8.792419	
11	3	10	75.7	1607	1087	10.061597	
12	2	10	50.5	1883		10.708703	
13	2	10	87.3	1931		11.234962	

Bin5 Statistics 8

CF=5562 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	9	88.4			0.05319	1
1	3	18	99.1	1296	1504	0.736426	
2	3	17	63.1	1411	1616	1.777374	
3	1	5	87.7			2.683835	
4	1	11	61.3			3.288769	
5	3	16	80.3	1883	1847	4.133259	
6	2	16	68.6	1711		4.711375	
7	3	8	89.9	1651	1623	5.535334	
8	1	9	50.5			5.84454	
9	1	18	74.4			6.576893	
10	1	20	92.6			7.340251	
11	3	18	88	1682	1958	8.2762	
12	1	10	57.8			8.776236	
13	1	7	82.9			9.744333	
14	2	17	51.8	1774		10.156465	
15	1	12	53.2			11.011529	
16	2	11	53.6	1575		11.585997	

Bin5 Statistics 9

CF=5555 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	93.5	1581		0.659556	1
1	2	12	66.3	1519		0.725007	
2	2	15	98.7	1905		1.547272	
3	3	8	90.3	1625	1902	2.50429	
4	2	6	78.2	1685		2.855424	
5	2	12	83.4	1079		3.493383	
6	2	6	62.9	1686		4.319871	
7	3	5	89.7	1610	1256	4.898601	
8	2	9	70.8	1311		5.872925	
9	2	11	87.1	1614		6.391223	
10	2	12	73.4	1064		6.91578	
11	2	18	92.1	1721		7.837277	
12	3	10	76.1	1801	1204	8.644046	
13	2	7	69.4	1724		8.832506	
14	3	11	65.7	1495	1413	9.574124	
15	1	13	96.3			10.586658	
16	1	12	65.6			10.765705	
17	3	16	70.1	1986	1041	11.765102	

Bin5 Statistics 10

CF=5531 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	55	1654		0.308578	1
1	1	9	80.9			0.701027	
2	3	13	60.8	1080	1407	1.338427	
3	3	7	86.6	1293	1598	2.501275	
4	2	15	57.3	1282		2.980443	
5	1	13	89.6			3.279317	
6	3	7	75.4	1357	1613	4.082603	
7	2	14	97.5	1295		4.536466	
8	2	15	55.7	1193		5.062272	
9	3	14	92	1133	1800	6.301526	
10	1	19	68.4			6.609223	
11	2	17	68.6	1521		7.452083	
12	1	8	78.4			7.985502	
13	3	14	65.6	1962	1903	8.446774	
14	2	11	82	1727		9.263802	
15	2	16	78.1	1598		10.060227	
16	2	8	57.4	1547		10.343976	
17	2	14	60.8	1752		11.009474	
18	1	13	60.3			11.668227	

Bin5 Statistics 11

CF=5558 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	8	94.1	1768	1379	0.084354	1
1	3	20	67.6	1409	1859	2.898041	
2	1	12	69.2			3.046447	
3	1	6	57.1			5.784233	
4	1	7	59.8			6.274295	
5	2	19	87.8	1937		7.541848	
6	2	7	97.4	1148		9.580005	
7	3	5	70.6	1824	1988	10.837669	

Bin5 Statistics 12

CF=5546 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	19	51.8	1504		0.565659	1
1	2	16	87	1886		2.093729	
2	2	9	94	1509		3.09419	
3	2	14	60.2	1811		4.588479	
4	1	17	71.7			5.926715	
5	1	8	57.9			6.995411	
6	1	19	93.9			8.260917	
7	2	14	83.8	1541		9.052065	
8	1	10	62.3			10.493075	
9	2	17	58.9	1988		11.00356	

Bin5 Statistics 13

CF=5553 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	7	80.8			0.525846	1
1	1	7	78.1			0.94913	
2	2	11	55.6	1252		1.689756	
3	3	10	85	1386	1975	2.130143	
4	3	9	80	1009	1973	2.661978	
5	2	7	58.4	1947		3.542188	
6	3	18	93.8	1236	1812	3.869857	
7	3	11	78.5	1669	1164	4.632033	
8	2	15	92.3	1792		5.164621	
9	2	13	64	1953		5.707711	
10	1	16	65.4			6.440666	
11	2	16	56.6	1441		7.032083	
12	3	11	81.8	1267	1260	7.821265	
13	2	9	97.2	1171		8.34614	
14	1	9	81.7			9.136305	
15	3	18	86.6	1561	1450	9.528211	
16	1	16	95.6			10.18663	
17	2	14	90	1609		11.307035	
18	3	8	73.5	1194	1169	11.609872	

Bin5 Statistics 14

CF=5559 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	16	73.5	1719		0.219743	
1	2	10	91.1	1628		1.060815	
2	2	20	90.1	1007		1.485735	
3	2	7	82.9	1837		2.47433	
4	2	6	56.8	1667		3.30257	
5	3	11	77.9	1920	1011	4.015597	
6	3	11	58.1	1742	1207	4.376477	
7	3	16	57	1348	1527	5.519817	
8	3	8	76.9	1484	1256	6.294438	1
9	3	8	74.3	1136	1015	6.818105	
10	3	19	61.6	1881	1366	7.751717	
11	3	19	82.7	1410	1396	7.873177	
12	3	9	83.1	1756	1819	8.81154	
13	1	16	94.4			9.633942	
14	2	7	70.8	1010		9.982561	
15	3	8	60.2	1753	1792	10.88643	
16	2	9	76.6	1842		11.959884	

Bin5 Statistics 15

CF=5545 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	20	97.3			0.528946	
1	2	7	82.3	1723		1.334497	
2	1	13	55			1.916301	
3	3	10	59.9	1256	1236	2.78819	
4	1	19	88.1			3.753748	
5	2	19	52.8	1195		4.513742	
6	2	16	68.8	1753		4.934662	
7	2	11	92	1123		6.005185	1
8	2	19	54	1276		7.069202	
9	1	8	77.6			7.676478	
10	2	16	62.6	1484		8.418961	
11	2	9	76.6	1092		9.415007	
12	2	18	98.2	1478		10.329989	
13	2	13	56.8	1939		11.069363	
14	2	12	53.9	1803		11.919413	

Bin5 Statistics 16

CF=5546 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	9	94.3			0.025072	
1	2	12	59.7	1854		1.112446	
2	1	17	61.2			1.617478	
3	3	20	89.7	1211	1802	1.937996	
4	2	16	64.6	1465		2.637031	
5	3	16	55.5	1647	1644	3.672922	
6	2	11	57.7	1796		3.994393	
7	1	12	65.2			5.018447	
8	1	17	58.2			5.602046	
9	3	13	67	1602	1026	5.819165	1
10	1	11	51			6.669546	
11	1	14	99.9			7.419875	
12	1	11	70.4			7.71044	
13	3	18	55.1	1122	1281	8.381394	
14	2	13	71.8	1562		9.253856	
15	2	17	84.5	1493		9.659409	
16	2	15	69.9	1897		10.398702	
17	3	6	76.3	1977	1317	10.90871	
18	2	5	88.5	1302		11.641739	

Bin5 Statistics 17

CF=5538 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	7	53.3	1616		0.106221	
1	1	11	73.7			1.917677	
2	3	20	79.7	1688	1855	3.748481	
3	1	10	55.7			5.481278	1
4	2	5	55.9	1544		7.166273	
5	2	13	78.2	1775		8.679089	
6	2	10	89.2	2000		9.518081	
7	3	12	78.7	1152	1103	11.754871	

Bin5 Statistics 18

CF=5542 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	51.4	1561		0.534914	
1	3	6	71.9	1827	1129	1.587814	
2	1	8	54.1			1.876036	
3	2	10	90.2	1227		2.709231	
4	1	17	50.2			3.92441	
5	1	12	72.7			4.472238	
6	3	13	68.1	1546	1262	5.190713	
7	1	12	87.4			5.978734	1
8	1	8	70.2			6.822483	
9	3	18	69.5	1914	1326	7.71691	
10	2	18	92.2	1232		8.257319	
11	3	19	89.1	1899	1045	9.148134	
12	3	19	61.3	1087	1976	9.890053	
13	2	14	88.9	1819		10.531232	
14	2	6	55.2	1850		11.960429	

Bin5 Statistics 19

CF=5545 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	61.7			0.022435	
1	3	19	83.5	1534	1100	1.17802	
2	2	17	66	1952		1.897325	
3	2	10	64.1	1741		3.627306	
4	1	12	76.3			3.745074	
5	3	10	93.9	1737	1535	5.373925	
6	1	14	80.5			6.127173	1
7	2	19	97.2	1366		6.817529	
8	1	14	98			7.887589	
9	2	9	54.5	1138		8.489154	
10	1	13	68			9.320511	
11	1	9	87.2			11.057284	
12	3	6	61.7	1718	1718	11.879537	

Bin5 Statistics 20

CF=5559 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	73.8	1693		0.511601	1
1	3	14	81.9	1242	1354	1.691545	
2	1	14	55.9			2.05308	
3	2	17	66.5	1620		2.627035	
4	2	14	75.6	1780		4.268559	
5	3	8	81.5	1525	1973	4.309911	
6	1	6	78.6			5.736532	
7	2	5	57.8	1580		6.175171	
8	3	11	77.6	1304	1895	7.046687	
9	2	8	53	1352		7.888509	
10	2	8	85	1821		9.408986	
11	2	10	69.6	1762		10.116459	
12	1	8	72.1			11.086215	
13	3	10	63.8	1043	1874	11.420774	

Bin5 Statistics 21

CF=5548 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	98.6	1032		1.021483	1
1	3	15	84.1	1955	1005	1.826976	
2	2	6	59	1903		3.279483	
3	1	8	90.1			3.808885	
4	1	20	61.3			5.044769	
5	2	12	86.8	1997		6.682077	
6	3	9	73.4	1015	1552	7.98025	
7	2	6	77.4	1938		9.462486	
8	1	18	79.5			10.326503	
9	1	12	77.6			10.887903	

Bin5 Statistics 22

CF=5547 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	61.5			0.92757	1
1	1	10	90.6			2.303386	
2	1	14	91.8			3.194608	
3	2	15	87.4	1222		4.568677	
4	3	11	67.6	1469	1951	5.613739	
5	2	16	64.9	1132		7.031622	
6	3	7	54.8	1308	1222	7.981912	
7	2	8	80.9	1428		8.947868	
8	2	7	56.8	1639		10.01984	
9	2	10	66.7	1571		11.132746	

Bin5 Statistics 23

CF=5538 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	77.5	1649		0.810058	1
1	2	8	67.4	1820		1.858869	
2	1	7	99.1			2.774338	
3	2	19	72.6	1801		5.089433	
4	1	15	90.8			5.743162	
5	2	7	51.3	1089		6.934041	
6	3	7	80.9	1390	1182	8.10226	
7	3	11	96.5	1294	1027	10.241839	
8	1	7	61.1			11.334203	

Bin5 Statistics 24

CF=5561 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	67	1808		0.789721	1
1	1	16	95.7			1.405146	
2	2	12	92.5	1034		2.499016	
3	2	18	76.6	1568		4.442146	
4	2	10	69.8	1733		4.851044	
5	1	17	81.3			7.026013	
6	1	11	61.8			7.361306	
7	2	12	71.1	1026		8.698686	
8	2	19	81.7	1043		9.847647	
9	3	17	51.8	1551	1894	11.342153	

Bin5 Statistics 25

CF=5553 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	19	60.5	1537	1439	0.17852	1
1	1	14	71			1.589849	
2	2	19	75.7	1755		2.896094	
3	2	11	88.6	1270		4.723994	
4	3	17	85.4	1441	1081	6.410391	
5	2	17	72.3	1234		6.809891	
6	2	19	67	1506		8.824603	
7	2	18	82.1	1124		9.512598	
8	2	9	63.1	1241		11.99407	

Bin5 Statistics 26

CF=5552 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	8	78			0.29729	
1	1	9	57.4			1.304885	
2	1	8	58.8			1.822677	
3	2	9	63	1859		2.555092	
4	2	8	85.8	1115		3.400886	
5	3	8	88.7	1927	1288	3.920862	
6	2	5	84.5	1483		4.520603	
7	2	8	55.7	1715		5.587178	
8	3	20	98.4	1025	1964	6.146538	1
9	1	5	54.9			6.380099	
10	1	16	84			7.484347	
11	2	14	62.9	1338		8.019423	
12	1	7	98.2			9.020574	
13	2	8	58.9	1938		9.604963	
14	2	8	58.4	1694		10.014504	
15	1	13	96.4			11.034094	
16	2	16	97.6	1422		11.876827	

Bin5 Statistics 27

CF=5562 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	84	1941		0.574391	1
1	1	6	68.9			1.391052	
2	2	17	100	1471		1.991911	
3	2	6	62.8	1654		3.542135	
4	2	20	55.4	1316		3.913366	
5	3	16	72.7	1201	1853	4.798102	
6	2	11	67.7	1804		6.048425	
7	2	13	67.1	1527		7.068427	
8	2	7	52.3	1239		8.294332	
9	2	18	67.5	1878		8.883202	
10	3	20	74.2	1548	1436	9.854106	
11	2	15	81	1772		10.620185	
12	2	10	51.1	1170		11.811413	

Bin5 Statistics 28

CF=5543 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	93.1			1.420843	1
1	3	17	60.1	1332	1951	1.86158	
2	2	8	60.6	1117		4.1251	
3	2	6	56.2	1786		4.728792	
4	3	16	79.3	1299	1963	6.945157	
5	2	13	82.5	1633		8.55245	
6	2	6	56.2	1592		9.344756	
7	2	11	96.1	1584		11.270112	

Bin5 Statistics 29

CF=5560 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	9	86.9	1652	1604	0.954564	1
1	3	10	76.1	1800	1414	1.717074	
2	3	15	75.9	1989	1894	3.513628	
3	2	13	99.7	1368		4.669302	
4	2	18	56.8	1683		5.909909	
5	1	17	82.9			7.063559	
6	2	17	99.3	1928		8.867923	
7	2	18	87.9	1903		10.165818	
8	2	6	97.1	1602		11.969802	

Bin5 Statistics 30

CF=5535 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	98.9	1642		0.485865	1
1	2	6	93.1	1254		0.923577	
2	1	8	97.6			2.048746	
3	3	14	60.9	1658	1371	2.64875	
4	3	13	68.6	1091	1421	3.237924	
5	1	20	54.2			3.624496	
6	1	12	63.6			4.337878	
7	2	14	84.5	1936		5.544564	
8	1	15	95.5			5.811895	
9	3	10	79.8	1510	1956	6.369479	
10	2	20	85.5	1667		7.066079	
11	1	10	83.4			8.199424	
12	2	16	93.7	1349		8.856979	
13	2	8	90.5	1894		9.340874	
14	3	11	74.6	1345	1624	10.253702	
15	2	19	66.9	1850		11.192819	
16	1	14	81.2			11.580856	

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	5382.0, 5347.0, 5602.0, 5593.0, 5372.0, 5363.0, 5710.0, 5555.0, 5478.0, 5309.0, 5288.0, 5635.0, 5341.0, 5289.0, 5633.0, 5370.0, 5690.0, 5355.0, 5598.0, 5340.0, 5719.0, 5577.0, 5699.0, 5540.0, 5395.0, 5400.0, 5483.0, 5548.0, 5396.0, 5653.0, 5681.0, 5695.0, 5259.0, 5458.0, 5449.0, 5614.0, 5573.0, 5350.0, 5603.0, 5308.0, 5398.0, 5443.0, 5604.0, 5283.0, 5701.0, 5324.0, 5508.0, 5311.0, 5669.0, 5605.0, 5663.0, 5362.0, 5595.0, 5597.0, 5636.0, 5437.0, 5664.0, 5545.0, 5574.0, 5524.0, 5668.0, 5658.0, 5475.0, 5505.0, 5528.0, 5471.0, 5625.0, 5291.0, 5525.0, 5572.0, 5591.0, 5284.0, 5718.0, 5275.0, 5319.0, 5720.0, 5487.0, 5450.0, 5717.0, 5439.0, 5585.0, 5354.0, 5391.0, 5631.0, 5451.0, 5509.0, 5426.0, 5342.0, 5637.0, 5684.0, 5270.0, 5436.0, 5644.0, 5513.0, 5546.0, 5618.0, 5559.0, 5415.0, 5412.0, 5429.0 (number of hits: 6)
2	5550	9	1	333	1	5681.0, 5668.0, 5602.0, 5527.0, 5585.0, 5473.0, 5656.0, 5558.0, 5504.0, 5395.0, 5359.0, 5610.0, 5648.0, 5671.0, 5580.0, 5672.0, 5390.0, 5654.0, 5333.0, 5287.0, 5620.0, 5466.0, 5562.0, 5339.0, 5340.0, 5707.0, 5480.0, 5460.0, 5606.0, 5389.0, 5312.0, 5693.0, 5469.0, 5629.0, 5632.0, 5309.0, 5619.0, 5552.0, 5365.0, 5665.0, 5697.0, 5518.0, 5657.0, 5512.0, 5704.0, 5325.0, 5292.0, 5572.0, 5680.0, 5684.0, 5667.0, 5718.0, 5633.0, 5676.0, 5687.0, 5405.0, 5516.0, 5467.0, 5705.0, 5346.0, 5683.0, 5685.0, 5622.0, 5255.0, 5570.0, 5263.0, 5640.0, 5471.0, 5462.0, 5653.0, 5712.0, 5332.0, 5393.0, 5641.0, 5358.0, 5508.0, 5347.0, 5410.0, 5686.0, 5442.0, 5402.0, 5498.0, 5267.0, 5409.0, 5510.0, 5281.0, 5526.0, 5425.0, 5675.0, 5343.0, 5688.0, 5487.0, 5567.0, 5591.0, 5375.0, 5320.0, 5601.0, 5669.0, 5428.0, 5496.0 (number of hits: 4)
3	5550	9	1	333	1	5490.0, 5608.0, 5640.0, 5571.0, 5545.0, 5544.0, 5295.0, 5426.0, 5502.0, 5342.0, 5611.0, 5706.0, 5498.0, 5622.0, 5637.0, 5266.0, 5397.0, 5254.0, 5659.0, 5688.0, 5529.0, 5620.0, 5512.0, 5716.0, 5722.0, 5657.0, 5589.0, 5419.0, 5459.0, 5276.0, 5676.0, 5515.0, 5492.0, 5255.0, 5575.0, 5366.0, 5596.0, 5292.0, 5651.0, 5412.0, 5527.0, 5592.0, 5449.0, 5616.0, 5321.0, 5374.0, 5472.0, 5462.0, 5299.0, 5541.0, 5278.0, 5478.0, 5535.0, 5542.0, 5289.0, 5281.0, 5317.0, 5671.0, 5395.0, 5586.0, 5309.0, 5538.0, 5451.0, 5414.0, 5607.0, 5453.0, 5655.0, 5253.0, 5423.0, 5682.0, 5678.0, 5452.0, 5411.0, 5464.0, 5307.0, 5708.0, 5332.0, 5467.0, 5314.0, 5700.0, 5402.0, 5351.0, 5257.0, 5662.0, 5280.0, 5715.0, 5407.0, 5371.0, 5270.0, 5435.0, 5718.0, 5619.0, 5505.0, 5555.0, 5614.0, 5712.0, 5648.0, 5631.0, 5316.0, 5469.0 (number of hits: 7)
4	5550	9	1	333	1	5349.0, 5518.0, 5275.0, 5626.0, 5595.0, 5608.0, 5336.0, 5619.0, 5594.0, 5711.0, 5341.0, 5555.0, 5530.0, 5295.0, 5407.0, 5539.0, 5712.0, 5330.0,

						5279.0, 5420.0, 5688.0, 5636.0, 5261.0, 5705.0, 5366.0, 5259.0, 5281.0, 5433.0, 5687.0, 5411.0, 5644.0, 5273.0, 5551.0, 5680.0, 5367.0, 5574.0, 5328.0, 5461.0, 5604.0, 5607.0, 5402.0, 5686.0, 5338.0, 5704.0, 5689.0, 5257.0, 5256.0, 5654.0, 5578.0, 5294.0, 5444.0, 5591.0, 5436.0, 5418.0, 5648.0, 5719.0, 5479.0, 5567.0, 5409.0, 5441.0, 5488.0, 5606.0, 5428.0, 5656.0, 5504.0, 5434.0, 5325.0, 5429.0, 5526.0, 5540.0, 5584.0, 5404.0, 5495.0, 5612.0, 5500.0, 5412.0, 5582.0, 5634.0, 5559.0, 5521.0, 5576.0, 5424.0, 5503.0, 5276.0, 5633.0, 5298.0, 5718.0, 5610.0, 5623.0, 5316.0, 5629.0, 5674.0, 5653.0, 5715.0, 5387.0, 5477.0, 5541.0, 5378.0, 5721.0, 5667.0 (number of hits: 3)
5	5550	9	1	333	1	5459.0, 5318.0, 5400.0, 5413.0, 5612.0, 5460.0, 5373.0, 5697.0, 5349.0, 5569.0, 5295.0, 5687.0, 5679.0, 5333.0, 5410.0, 5648.0, 5603.0, 5590.0, 5634.0, 5257.0, 5562.0, 5461.0, 5597.0, 5424.0, 5457.0, 5584.0, 5383.0, 5661.0, 5273.0, 5698.0, 5624.0, 5494.0, 5571.0, 5724.0, 5595.0, 5668.0, 5568.0, 5313.0, 5606.0, 5655.0, 5609.0, 5659.0, 5558.0, 5504.0, 5699.0, 5308.0, 5575.0, 5706.0, 5289.0, 5515.0, 5631.0, 5425.0, 5321.0, 5469.0, 5447.0, 5427.0, 5657.0, 5288.0, 5401.0, 5287.0, 5467.0, 5317.0, 5671.0, 5525.0, 5252.0, 5388.0, 5489.0, 5507.0, 5290.0, 5604.0, 5303.0, 5617.0, 5456.0, 5491.0, 5274.0, 5521.0, 5345.0, 5304.0, 5614.0, 5513.0, 5523.0, 5405.0, 5637.0, 5485.0, 5454.0, 5527.0, 5526.0, 5514.0, 5662.0, 5719.0, 5535.0, 5465.0, 5582.0, 5342.0, 5621.0, 5464.0, 5592.0, 5395.0, 5439.0, 5419.0 (number of hits: 9)
6	5550	9	1	333	1	5288.0, 5566.0, 5705.0, 5538.0, 5345.0, 5456.0, 5339.0, 5262.0, 5420.0, 5637.0, 5601.0, 5502.0, 5481.0, 5476.0, 5343.0, 5595.0, 5615.0, 5565.0, 5279.0, 5489.0, 5579.0, 5451.0, 5587.0, 5292.0, 5517.0, 5515.0, 5617.0, 5403.0, 5650.0, 5619.0, 5678.0, 5259.0, 5430.0, 5296.0, 5256.0, 5516.0, 5540.0, 5651.0, 5434.0, 5393.0, 5548.0, 5402.0, 5594.0, 5472.0, 5559.0, 5453.0, 5324.0, 5263.0, 5488.0, 5700.0, 5448.0, 5529.0, 5499.0, 5251.0, 5689.0, 5333.0, 5634.0, 5528.0, 5544.0, 5313.0, 5663.0, 5673.0, 5518.0, 5539.0, 5714.0, 5460.0, 5411.0, 5322.0, 5520.0, 5408.0, 5352.0, 5409.0, 5414.0, 5462.0, 5641.0, 5367.0, 5501.0, 5567.0, 5433.0, 5320.0, 5317.0, 5364.0, 5463.0, 5703.0, 5471.0, 5530.0, 5546.0, 5305.0, 5443.0, 5573.0, 5534.0, 5407.0, 5265.0, 5346.0, 5389.0, 5394.0, 5470.0, 5583.0, 5397.0, 5557.0 (number of hits: 5)
7	5550	9	1	333	1	5688.0, 5381.0, 5718.0, 5690.0, 5555.0, 5315.0, 5655.0, 5627.0, 5532.0, 5303.0, 5632.0, 5506.0, 5266.0, 5526.0, 5609.0, 5415.0, 5643.0, 5393.0, 5370.0, 5430.0, 5338.0, 5276.0, 5498.0, 5268.0, 5398.0, 5425.0, 5345.0, 5604.0, 5620.0, 5262.0, 5290.0, 5270.0, 5383.0, 5626.0, 5353.0, 5641.0, 5661.0, 5554.0, 5259.0, 5402.0, 5476.0, 5517.0, 5685.0, 5426.0, 5534.0, 5548.0, 5373.0, 5584.0, 5258.0, 5317.0, 5706.0, 5313.0, 5671.0, 5516.0, 5689.0, 5648.0, 5375.0, 5495.0, 5545.0, 5565.0, 5533.0, 5723.0, 5253.0, 5694.0, 5372.0, 5428.0,

						5380.0, 5464.0, 5280.0, 5440.0, 5486.0, 5631.0, 5524.0, 5659.0, 5478.0, 5585.0, 5538.0, 5421.0, 5272.0, 5406.0, 5360.0, 5544.0, 5392.0, 5376.0, 5722.0, 5435.0, 5556.0, 5269.0, 5311.0, 5422.0, 5320.0, 5613.0, 5576.0, 5668.0, 5612.0, 5255.0, 5327.0, 5467.0, 5610.0, 5301.0 (number of hits: 5)
8	5550	9	1	333	1	5286.0, 5681.0, 5615.0, 5488.0, 5310.0, 5554.0, 5271.0, 5531.0, 5493.0, 5450.0, 5585.0, 5483.0, 5655.0, 5496.0, 5634.0, 5377.0, 5560.0, 5392.0, 5611.0, 5307.0, 5538.0, 5456.0, 5469.0, 5517.0, 5316.0, 5311.0, 5298.0, 5575.0, 5672.0, 5424.0, 5448.0, 5309.0, 5532.0, 5374.0, 5367.0, 5452.0, 5673.0, 5475.0, 5653.0, 5656.0, 5559.0, 5412.0, 5657.0, 5346.0, 5679.0, 5344.0, 5518.0, 5403.0, 5652.0, 5711.0, 5573.0, 5435.0, 5699.0, 5486.0, 5394.0, 5376.0, 5567.0, 5300.0, 5441.0, 5363.0, 5401.0, 5479.0, 5370.0, 5610.0, 5419.0, 5505.0, 5494.0, 5444.0, 5462.0, 5402.0, 5443.0, 5393.0, 5471.0, 5387.0, 5391.0, 5395.0, 5312.0, 5324.0, 5388.0, 5259.0, 5716.0, 5535.0, 5398.0, 5613.0, 5287.0, 5449.0, 5601.0, 5428.0, 5591.0, 5595.0, 5459.0, 5326.0, 5501.0, 5366.0, 5379.0, 5330.0, 5266.0, 5530.0, 5436.0, 5654.0 (number of hits: 9)
9	5550	9	1	333	1	5411.0, 5459.0, 5301.0, 5273.0, 5300.0, 5543.0, 5370.0, 5343.0, 5338.0, 5599.0, 5582.0, 5270.0, 5489.0, 5486.0, 5438.0, 5535.0, 5291.0, 5592.0, 5715.0, 5496.0, 5441.0, 5497.0, 5560.0, 5586.0, 5400.0, 5371.0, 5600.0, 5420.0, 5694.0, 5682.0, 5254.0, 5528.0, 5577.0, 5499.0, 5288.0, 5602.0, 5547.0, 5285.0, 5295.0, 5381.0, 5325.0, 5520.0, 5714.0, 5636.0, 5583.0, 5688.0, 5465.0, 5576.0, 5392.0, 5278.0, 5297.0, 5310.0, 5607.0, 5482.0, 5481.0, 5701.0, 5357.0, 5470.0, 5409.0, 5680.0, 5530.0, 5395.0, 5443.0, 5361.0, 5677.0, 5631.0, 5290.0, 5382.0, 5628.0, 5644.0, 5427.0, 5256.0, 5541.0, 5695.0, 5444.0, 5503.0, 5314.0, 5488.0, 5405.0, 5263.0, 5690.0, 5312.0, 5498.0, 5267.0, 5284.0, 5564.0, 5556.0, 5711.0, 5323.0, 5410.0, 5513.0, 5397.0, 5587.0, 5674.0, 5548.0, 5512.0, 5494.0, 5523.0, 5350.0, 5581.0 (number of hits: 11)
10	5550	9	1	333	1	5363.0, 5442.0, 5591.0, 5379.0, 5267.0, 5266.0, 5343.0, 5553.0, 5425.0, 5457.0, 5705.0, 5671.0, 5527.0, 5529.0, 5720.0, 5290.0, 5607.0, 5484.0, 5605.0, 5508.0, 5340.0, 5356.0, 5270.0, 5628.0, 5492.0, 5668.0, 5293.0, 5498.0, 5588.0, 5544.0, 5370.0, 5282.0, 5518.0, 5590.0, 5676.0, 5307.0, 5470.0, 5268.0, 5586.0, 5463.0, 5581.0, 5413.0, 5252.0, 5371.0, 5445.0, 5618.0, 5517.0, 5273.0, 5521.0, 5715.0, 5572.0, 5347.0, 5331.0, 5515.0, 5504.0, 5251.0, 5642.0, 5631.0, 5490.0, 5689.0, 5373.0, 5597.0, 5575.0, 5559.0, 5530.0, 5375.0, 5666.0, 5296.0, 5546.0, 5416.0, 5332.0, 5260.0, 5353.0, 5417.0, 5608.0, 5451.0, 5503.0, 5696.0, 5657.0, 5305.0, 5604.0, 5327.0, 5491.0, 5436.0, 5276.0, 5380.0, 5522.0, 5717.0, 5408.0, 5321.0, 5703.0, 5535.0, 5579.0, 5351.0, 5693.0, 5550.0, 5583.0, 5646.0, 5701.0, 5398.0 (number of hits: 5)
11	5550	9	1	333	1	5622.0, 5313.0, 5343.0, 5599.0, 5635.0, 5646.0,

						5307.0, 5403.0, 5530.0, 5361.0, 5459.0, 5431.0, 5382.0, 5321.0, 5580.0, 5257.0, 5440.0, 5482.0, 5596.0, 5286.0, 5292.0, 5362.0, 5698.0, 5438.0, 5616.0, 5386.0, 5411.0, 5340.0, 5644.0, 5669.0, 5645.0, 5450.0, 5272.0, 5682.0, 5705.0, 5380.0, 5464.0, 5656.0, 5376.0, 5413.0, 5471.0, 5615.0, 5508.0, 5597.0, 5641.0, 5519.0, 5709.0, 5255.0, 5351.0, 5608.0, 5626.0, 5535.0, 5665.0, 5260.0, 5420.0, 5433.0, 5536.0, 5353.0, 5648.0, 5456.0, 5423.0, 5556.0, 5485.0, 5542.0, 5584.0, 5680.0, 5638.0, 5500.0, 5688.0, 5514.0, 5579.0, 5672.0, 5258.0, 5296.0, 5510.0, 5722.0, 5452.0, 5553.0, 5274.0, 5624.0, 5623.0, 5700.0, 5269.0, 5526.0, 5504.0, 5497.0, 5643.0, 5525.0, 5418.0, 5344.0, 5346.0, 5491.0, 5541.0, 5610.0, 5546.0, 5540.0, 5466.0, 5251.0, 5424.0, 5473.0 (number of hits: 5)
12	5550	9	1	333	1	5547.0, 5531.0, 5679.0, 5536.0, 5482.0, 5452.0, 5568.0, 5684.0, 5341.0, 5375.0, 5619.0, 5631.0, 5584.0, 5410.0, 5402.0, 5628.0, 5357.0, 5277.0, 5610.0, 5449.0, 5439.0, 5699.0, 5589.0, 5616.0, 5666.0, 5484.0, 5471.0, 5558.0, 5494.0, 5312.0, 5654.0, 5553.0, 5454.0, 5546.0, 5676.0, 5398.0, 5385.0, 5417.0, 5268.0, 5485.0, 5287.0, 5529.0, 5416.0, 5301.0, 5379.0, 5262.0, 5698.0, 5265.0, 5406.0, 5339.0, 5593.0, 5340.0, 5404.0, 5334.0, 5389.0, 5311.0, 5279.0, 5681.0, 5419.0, 5285.0, 5380.0, 5673.0, 5618.0, 5579.0, 5565.0, 5430.0, 5691.0, 5633.0, 5352.0, 5543.0, 5658.0, 5623.0, 5305.0, 5527.0, 5288.0, 5492.0, 5414.0, 5721.0, 5707.0, 5516.0, 5716.0, 5470.0, 5717.0, 5322.0, 5293.0, 5501.0, 5337.0, 5434.0, 5266.0, 5358.0, 5714.0, 5317.0, 5453.0, 5561.0, 5656.0, 5276.0, 5467.0, 5281.0, 5549.0, 5611.0 (number of hits: 8)
13	5550	9	1	333	1	5674.0, 5275.0, 5591.0, 5589.0, 5399.0, 5356.0, 5641.0, 5343.0, 5299.0, 5644.0, 5600.0, 5720.0, 5529.0, 5280.0, 5458.0, 5277.0, 5685.0, 5684.0, 5721.0, 5338.0, 5585.0, 5701.0, 5587.0, 5395.0, 5689.0, 5664.0, 5553.0, 5657.0, 5516.0, 5582.0, 5595.0, 5346.0, 5407.0, 5388.0, 5404.0, 5273.0, 5691.0, 5575.0, 5364.0, 5480.0, 5634.0, 5468.0, 5442.0, 5508.0, 5569.0, 5565.0, 5310.0, 5500.0, 5262.0, 5476.0, 5328.0, 5300.0, 5449.0, 5482.0, 5268.0, 5658.0, 5326.0, 5457.0, 5373.0, 5571.0, 5380.0, 5654.0, 5702.0, 5348.0, 5660.0, 5626.0, 5659.0, 5375.0, 5717.0, 5618.0, 5631.0, 5506.0, 5454.0, 5381.0, 5719.0, 5655.0, 5629.0, 5475.0, 5352.0, 5511.0, 5564.0, 5282.0, 5576.0, 5462.0, 5723.0, 5645.0, 5426.0, 5679.0, 5687.0, 5505.0, 5413.0, 5370.0, 5298.0, 5607.0, 5542.0, 5667.0, 5428.0, 5707.0, 5406.0, 5671.0 (number of hits: 4)
14	5550	9	1	333	1	5551.0, 5635.0, 5325.0, 5445.0, 5631.0, 5478.0, 5516.0, 5504.0, 5500.0, 5392.0, 5585.0, 5709.0, 5542.0, 5609.0, 5530.0, 5556.0, 5250.0, 5280.0, 5601.0, 5310.0, 5447.0, 5633.0, 5663.0, 5263.0, 5716.0, 5330.0, 5646.0, 5603.0, 5499.0, 5571.0, 5575.0, 5449.0, 5396.0, 5714.0, 5440.0, 5651.0, 5269.0, 5335.0, 5424.0, 5505.0, 5347.0, 5558.0, 5410.0, 5471.0, 5268.0, 5592.0, 5525.0, 5722.0, 5638.0, 5497.0, 5261.0, 5664.0, 5688.0, 5492.0,

						5527.0, 5495.0, 5597.0, 5332.0, 5271.0, 5548.0, 5422.0, 5512.0, 5614.0, 5312.0, 5345.0, 5353.0, 5258.0, 5461.0, 5270.0, 5616.0, 5672.0, 5324.0, 5255.0, 5554.0, 5634.0, 5684.0, 5308.0, 5487.0, 5708.0, 5719.0, 5479.0, 5696.0, 5540.0, 5385.0, 5435.0, 5547.0, 5596.0, 5511.0, 5337.0, 5317.0, 5675.0, 5442.0, 5641.0, 5438.0, 5498.0, 5395.0, 5619.0, 5654.0, 5678.0, 5291.0 (number of hits: 4)
15	5550	9	1	333	1	5467.0, 5542.0, 5717.0, 5608.0, 5264.0, 5656.0, 5529.0, 5612.0, 5707.0, 5265.0, 5650.0, 5312.0, 5353.0, 5594.0, 5516.0, 5464.0, 5475.0, 5438.0, 5251.0, 5257.0, 5355.0, 5316.0, 5639.0, 5665.0, 5709.0, 5654.0, 5336.0, 5406.0, 5404.0, 5482.0, 5629.0, 5421.0, 5426.0, 5258.0, 5697.0, 5487.0, 5450.0, 5699.0, 5556.0, 5663.0, 5695.0, 5307.0, 5452.0, 5480.0, 5341.0, 5573.0, 5296.0, 5269.0, 5495.0, 5547.0, 5669.0, 5338.0, 5481.0, 5706.0, 5531.0, 5365.0, 5492.0, 5641.0, 5308.0, 5318.0, 5527.0, 5356.0, 5391.0, 5683.0, 5664.0, 5506.0, 5339.0, 5723.0, 5374.0, 5320.0, 5439.0, 5383.0, 5390.0, 5515.0, 5453.0, 5583.0, 5273.0, 5470.0, 5672.0, 5499.0, 5382.0, 5592.0, 5711.0, 5342.0, 5721.0, 5558.0, 5634.0, 5331.0, 5544.0, 5671.0, 5261.0, 5301.0, 5477.0, 5546.0, 5616.0, 5513.0, 5432.0, 5618.0, 5512.0, 5651.0 (number of hits: 5)
16	5550	9	1	333	1	5398.0, 5466.0, 5477.0, 5251.0, 5685.0, 5638.0, 5490.0, 5664.0, 5495.0, 5653.0, 5377.0, 5715.0, 5336.0, 5624.0, 5422.0, 5442.0, 5613.0, 5357.0, 5487.0, 5629.0, 5671.0, 5269.0, 5607.0, 5555.0, 5314.0, 5459.0, 5374.0, 5270.0, 5481.0, 5719.0, 5690.0, 5615.0, 5324.0, 5596.0, 5564.0, 5301.0, 5578.0, 5592.0, 5334.0, 5367.0, 5429.0, 5355.0, 5453.0, 5423.0, 5519.0, 5502.0, 5438.0, 5510.0, 5348.0, 5388.0, 5524.0, 5522.0, 5337.0, 5445.0, 5278.0, 5518.0, 5347.0, 5553.0, 5267.0, 5588.0, 5489.0, 5394.0, 5250.0, 5484.0, 5478.0, 5274.0, 5573.0, 5628.0, 5475.0, 5712.0, 5433.0, 5684.0, 5643.0, 5698.0, 5569.0, 5646.0, 5292.0, 5345.0, 5562.0, 5460.0, 5667.0, 5706.0, 5599.0, 5330.0, 5391.0, 5420.0, 5365.0, 5282.0, 5535.0, 5380.0, 5559.0, 5645.0, 5661.0, 5349.0, 5262.0, 5265.0, 5621.0, 5686.0, 5378.0, 5392.0 (number of hits: 3)
17	5550	9	1	333	1	5379.0, 5421.0, 5584.0, 5645.0, 5419.0, 5719.0, 5486.0, 5617.0, 5385.0, 5423.0, 5411.0, 5304.0, 5381.0, 5387.0, 5614.0, 5450.0, 5589.0, 5484.0, 5352.0, 5265.0, 5375.0, 5456.0, 5716.0, 5466.0, 5695.0, 5430.0, 5509.0, 5490.0, 5404.0, 5253.0, 5367.0, 5338.0, 5349.0, 5364.0, 5310.0, 5441.0, 5582.0, 5501.0, 5322.0, 5659.0, 5572.0, 5395.0, 5335.0, 5555.0, 5321.0, 5389.0, 5324.0, 5526.0, 5506.0, 5583.0, 5479.0, 5286.0, 5426.0, 5585.0, 5278.0, 5372.0, 5251.0, 5564.0, 5428.0, 5592.0, 5483.0, 5258.0, 5519.0, 5418.0, 5677.0, 5476.0, 5462.0, 5492.0, 5298.0, 5570.0, 5639.0, 5644.0, 5276.0, 5626.0, 5480.0, 5559.0, 5699.0, 5646.0, 5515.0, 5255.0, 5487.0, 5548.0, 5390.0, 5474.0, 5608.0, 5302.0, 5259.0, 5610.0, 5332.0, 5478.0, 5551.0, 5649.0, 5531.0, 5360.0, 5493.0, 5354.0, 5444.0, 5448.0, 5525.0, 5358.0 (number of hits: 5)

18	5550	9	1	333	1	5386.0, 5440.0, 5696.0, 5484.0, 5510.0, 5678.0, 5297.0, 5446.0, 5656.0, 5561.0, 5444.0, 5601.0, 5635.0, 5495.0, 5652.0, 5687.0, 5615.0, 5594.0, 5631.0, 5468.0, 5409.0, 5382.0, 5497.0, 5262.0, 5707.0, 5334.0, 5556.0, 5692.0, 5628.0, 5682.0, 5307.0, 5548.0, 5640.0, 5449.0, 5636.0, 5465.0, 5489.0, 5681.0, 5703.0, 5706.0, 5312.0, 5704.0, 5251.0, 5417.0, 5645.0, 5637.0, 5272.0, 5677.0, 5301.0, 5451.0, 5509.0, 5309.0, 5689.0, 5533.0, 5448.0, 5639.0, 5404.0, 5571.0, 5534.0, 5471.0, 5259.0, 5349.0, 5441.0, 5435.0, 5550.0, 5436.0, 5266.0, 5367.0, 5359.0, 5651.0, 5565.0, 5613.0, 5486.0, 5305.0, 5684.0, 5666.0, 5398.0, 5568.0, 5679.0, 5411.0, 5392.0, 5721.0, 5709.0, 5304.0, 5705.0, 5473.0, 5418.0, 5547.0, 5516.0, 5399.0, 5402.0, 5585.0, 5496.0, 5562.0, 5274.0, 5456.0, 5423.0, 5502.0, 5344.0, 5407.0 (number of hits: 7)
19	5550	9	1	333	1	5466.0, 5723.0, 5263.0, 5709.0, 5383.0, 5343.0, 5309.0, 5552.0, 5315.0, 5617.0, 5325.0, 5305.0, 5442.0, 5629.0, 5324.0, 5581.0, 5646.0, 5327.0, 5657.0, 5455.0, 5610.0, 5669.0, 5399.0, 5532.0, 5675.0, 5386.0, 5328.0, 5406.0, 5691.0, 5349.0, 5372.0, 5302.0, 5259.0, 5484.0, 5497.0, 5444.0, 5370.0, 5547.0, 5528.0, 5653.0, 5473.0, 5554.0, 5318.0, 5638.0, 5397.0, 5440.0, 5420.0, 5643.0, 5534.0, 5381.0, 5672.0, 5674.0, 5518.0, 5655.0, 5364.0, 5320.0, 5288.0, 5416.0, 5270.0, 5432.0, 5663.0, 5253.0, 5515.0, 5449.0, 5618.0, 5301.0, 5300.0, 5615.0, 5623.0, 5375.0, 5436.0, 5266.0, 5282.0, 5274.0, 5278.0, 5656.0, 5628.0, 5621.0, 5662.0, 5271.0, 5314.0, 5355.0, 5326.0, 5264.0, 5493.0, 5589.0, 5541.0, 5572.0, 5396.0, 5291.0, 5721.0, 5415.0, 5567.0, 5261.0, 5506.0, 5346.0, 5389.0, 5492.0, 5620.0, 5564.0 (number of hits: 8)
20	5550	9	1	333	1	5585.0, 5268.0, 5272.0, 5398.0, 5435.0, 5631.0, 5530.0, 5480.0, 5257.0, 5434.0, 5639.0, 5538.0, 5327.0, 5492.0, 5561.0, 5536.0, 5463.0, 5452.0, 5479.0, 5269.0, 5697.0, 5695.0, 5411.0, 5489.0, 5444.0, 5298.0, 5253.0, 5527.0, 5454.0, 5577.0, 5344.0, 5387.0, 5461.0, 5292.0, 5438.0, 5427.0, 5702.0, 5573.0, 5390.0, 5311.0, 5407.0, 5405.0, 5691.0, 5447.0, 5343.0, 5655.0, 5677.0, 5709.0, 5485.0, 5251.0, 5687.0, 5358.0, 5314.0, 5670.0, 5267.0, 5494.0, 5674.0, 5574.0, 5308.0, 5372.0, 5278.0, 5317.0, 5693.0, 5428.0, 5379.0, 5457.0, 5302.0, 5393.0, 5682.0, 5376.0, 5406.0, 5495.0, 5453.0, 5446.0, 5425.0, 5518.0, 5570.0, 5404.0, 5539.0, 5476.0, 5338.0, 5385.0, 5507.0, 5661.0, 5319.0, 5651.0, 5588.0, 5329.0, 5594.0, 5305.0, 5389.0, 5708.0, 5448.0, 5417.0, 5620.0, 5690.0, 5601.0, 5627.0, 5685.0, 5289.0 (number of hits: 8)
21	5550	9	1	333	1	5687.0, 5457.0, 5615.0, 5368.0, 5647.0, 5682.0, 5599.0, 5257.0, 5657.0, 5672.0, 5400.0, 5395.0, 5459.0, 5499.0, 5706.0, 5533.0, 5555.0, 5666.0, 5309.0, 5347.0, 5436.0, 5481.0, 5531.0, 5510.0, 5270.0, 5408.0, 5482.0, 5611.0, 5460.0, 5679.0, 5331.0, 5399.0, 5634.0, 5410.0, 5293.0, 5556.0, 5632.0, 5478.0, 5605.0, 5624.0, 5574.0, 5614.0, 5538.0, 5569.0, 5486.0, 5639.0, 5263.0, 5382.0,

						5297.0, 5357.0, 5301.0, 5696.0, 5363.0, 5351.0, 5627.0, 5269.0, 5471.0, 5462.0, 5338.0, 5567.0, 5518.0, 5635.0, 5304.0, 5477.0, 5342.0, 5630.0, 5455.0, 5454.0, 5580.0, 5598.0, 5379.0, 5545.0, 5384.0, 5352.0, 5340.0, 5326.0, 5719.0, 5668.0, 5498.0, 5584.0, 5341.0, 5571.0, 5450.0, 5618.0, 5693.0, 5671.0, 5709.0, 5412.0, 5305.0, 5366.0, 5650.0, 5287.0, 5411.0, 5653.0, 5619.0, 5524.0, 5415.0, 5563.0, 5424.0, 5369.0 (number of hits: 7)
22	5550	9	1	333	1	5264.0, 5616.0, 5611.0, 5676.0, 5662.0, 5380.0, 5448.0, 5362.0, 5377.0, 5653.0, 5415.0, 5443.0, 5466.0, 5315.0, 5294.0, 5681.0, 5713.0, 5594.0, 5585.0, 5631.0, 5287.0, 5403.0, 5416.0, 5289.0, 5372.0, 5554.0, 5583.0, 5426.0, 5685.0, 5582.0, 5322.0, 5433.0, 5526.0, 5678.0, 5524.0, 5619.0, 5613.0, 5435.0, 5429.0, 5666.0, 5700.0, 5564.0, 5337.0, 5406.0, 5430.0, 5412.0, 5269.0, 5303.0, 5450.0, 5690.0, 5584.0, 5431.0, 5703.0, 5699.0, 5312.0, 5468.0, 5579.0, 5350.0, 5521.0, 5625.0, 5344.0, 5299.0, 5482.0, 5695.0, 5341.0, 5510.0, 5256.0, 5701.0, 5478.0, 5608.0, 5513.0, 5309.0, 5371.0, 5419.0, 5670.0, 5361.0, 5339.0, 5500.0, 5427.0, 5432.0, 5663.0, 5351.0, 5638.0, 5384.0, 5332.0, 5497.0, 5364.0, 5355.0, 5723.0, 5276.0, 5545.0, 5370.0, 5417.0, 5697.0, 5476.0, 5686.0, 5557.0, 5321.0, 5467.0, 5404.0 (number of hits: 7)
23	5550	9	1	333	1	5470.0, 5255.0, 5343.0, 5439.0, 5306.0, 5348.0, 5629.0, 5635.0, 5702.0, 5643.0, 5718.0, 5413.0, 5442.0, 5542.0, 5496.0, 5431.0, 5526.0, 5426.0, 5275.0, 5475.0, 5253.0, 5438.0, 5315.0, 5423.0, 5587.0, 5410.0, 5655.0, 5271.0, 5357.0, 5506.0, 5326.0, 5625.0, 5562.0, 5373.0, 5681.0, 5316.0, 5358.0, 5610.0, 5290.0, 5578.0, 5288.0, 5471.0, 5700.0, 5324.0, 5369.0, 5651.0, 5486.0, 5679.0, 5600.0, 5374.0, 5606.0, 5468.0, 5251.0, 5683.0, 5711.0, 5504.0, 5389.0, 5477.0, 5717.0, 5493.0, 5652.0, 5379.0, 5322.0, 5252.0, 5450.0, 5571.0, 5642.0, 5312.0, 5556.0, 5514.0, 5264.0, 5286.0, 5588.0, 5699.0, 5549.0, 5649.0, 5665.0, 5356.0, 5479.0, 5354.0, 5576.0, 5564.0, 5614.0, 5303.0, 5696.0, 5432.0, 5378.0, 5280.0, 5713.0, 5451.0, 5522.0, 5259.0, 5336.0, 5262.0, 5403.0, 5570.0, 5325.0, 5254.0, 5455.0, 5341.0 (number of hits: 6)
24	5550	9	1	333	1	5658.0, 5510.0, 5285.0, 5645.0, 5625.0, 5350.0, 5465.0, 5439.0, 5555.0, 5373.0, 5665.0, 5609.0, 5426.0, 5340.0, 5622.0, 5552.0, 5417.0, 5413.0, 5270.0, 5405.0, 5361.0, 5490.0, 5498.0, 5724.0, 5277.0, 5715.0, 5454.0, 5336.0, 5402.0, 5517.0, 5639.0, 5706.0, 5648.0, 5387.0, 5632.0, 5450.0, 5664.0, 5404.0, 5461.0, 5320.0, 5499.0, 5449.0, 5392.0, 5382.0, 5337.0, 5429.0, 5516.0, 5564.0, 5710.0, 5452.0, 5473.0, 5443.0, 5317.0, 5501.0, 5391.0, 5691.0, 5502.0, 5641.0, 5366.0, 5282.0, 5689.0, 5420.0, 5643.0, 5343.0, 5394.0, 5291.0, 5703.0, 5597.0, 5581.0, 5543.0, 5300.0, 5425.0, 5339.0, 5616.0, 5651.0, 5466.0, 5513.0, 5642.0, 5445.0, 5680.0, 5436.0, 5289.0, 5453.0, 5408.0, 5474.0, 5364.0, 5547.0, 5666.0, 5262.0, 5459.0, 5560.0, 5633.0, 5571.0, 5546.0, 5614.0, 5637.0,

						5626.0, 5275.0, 5353.0, 5558.0 (number of hits: 4)
25	5550	9	1	333	1	5302.0, 5469.0, 5377.0, 5590.0, 5502.0, 5655.0, 5646.0, 5565.0, 5632.0, 5435.0, 5574.0, 5664.0, 5481.0, 5278.0, 5255.0, 5545.0, 5486.0, 5342.0, 5519.0, 5335.0, 5273.0, 5674.0, 5567.0, 5397.0, 5568.0, 5423.0, 5518.0, 5611.0, 5355.0, 5300.0, 5426.0, 5394.0, 5367.0, 5398.0, 5477.0, 5576.0, 5290.0, 5688.0, 5609.0, 5461.0, 5378.0, 5707.0, 5693.0, 5450.0, 5608.0, 5472.0, 5399.0, 5669.0, 5365.0, 5649.0, 5500.0, 5651.0, 5564.0, 5467.0, 5663.0, 5599.0, 5724.0, 5604.0, 5497.0, 5434.0, 5331.0, 5709.0, 5538.0, 5522.0, 5533.0, 5468.0, 5320.0, 5409.0, 5252.0, 5557.0, 5474.0, 5362.0, 5464.0, 5407.0, 5381.0, 5695.0, 5593.0, 5371.0, 5470.0, 5392.0, 5420.0, 5506.0, 5691.0, 5368.0, 5444.0, 5386.0, 5292.0, 5456.0, 5418.0, 5714.0, 5588.0, 5287.0, 5665.0, 5346.0, 5629.0, 5327.0, 5396.0, 5628.0, 5421.0, 5276.0 (number of hits: 5)
26	5550	9	1	333	1	5389.0, 5546.0, 5456.0, 5440.0, 5698.0, 5569.0, 5566.0, 5697.0, 5638.0, 5522.0, 5591.0, 5354.0, 5318.0, 5350.0, 5483.0, 5395.0, 5719.0, 5580.0, 5579.0, 5337.0, 5364.0, 5458.0, 5420.0, 5348.0, 5334.0, 5606.0, 5323.0, 5633.0, 5710.0, 5515.0, 5383.0, 5666.0, 5570.0, 5343.0, 5643.0, 5700.0, 5394.0, 5398.0, 5695.0, 5599.0, 5513.0, 5542.0, 5424.0, 5529.0, 5355.0, 5336.0, 5461.0, 5356.0, 5556.0, 5497.0, 5311.0, 5306.0, 5593.0, 5272.0, 5524.0, 5624.0, 5669.0, 5369.0, 5537.0, 5657.0, 5258.0, 5277.0, 5718.0, 5620.0, 5557.0, 5517.0, 5454.0, 5421.0, 5330.0, 5478.0, 5357.0, 5665.0, 5586.0, 5385.0, 5378.0, 5672.0, 5430.0, 5263.0, 5560.0, 5608.0, 5692.0, 5340.0, 5345.0, 5464.0, 5509.0, 5289.0, 5533.0, 5431.0, 5295.0, 5683.0, 5548.0, 5642.0, 5660.0, 5713.0, 5659.0, 5563.0, 5494.0, 5699.0, 5588.0, 5629.0 (number of hits: 4)
27	5550	9	1	333	1	5440.0, 5496.0, 5480.0, 5273.0, 5544.0, 5395.0, 5598.0, 5704.0, 5664.0, 5310.0, 5404.0, 5313.0, 5492.0, 5677.0, 5606.0, 5250.0, 5528.0, 5360.0, 5290.0, 5354.0, 5364.0, 5501.0, 5600.0, 5312.0, 5662.0, 5537.0, 5486.0, 5321.0, 5329.0, 5562.0, 5507.0, 5686.0, 5489.0, 5701.0, 5376.0, 5390.0, 5464.0, 5505.0, 5646.0, 5278.0, 5411.0, 5428.0, 5453.0, 5635.0, 5694.0, 5693.0, 5647.0, 5301.0, 5713.0, 5638.0, 5723.0, 5565.0, 5331.0, 5365.0, 5300.0, 5715.0, 5711.0, 5517.0, 5652.0, 5702.0, 5504.0, 5590.0, 5681.0, 5384.0, 5396.0, 5594.0, 5296.0, 5567.0, 5493.0, 5294.0, 5419.0, 5337.0, 5372.0, 5373.0, 5630.0, 5535.0, 5456.0, 5601.0, 5475.0, 5592.0, 5277.0, 5539.0, 5359.0, 5362.0, 5709.0, 5595.0, 5378.0, 5457.0, 5648.0, 5325.0, 5665.0, 5705.0, 5324.0, 5525.0, 5596.0, 5433.0, 5355.0, 5363.0, 5386.0, 5264.0 (number of hits: 8)
28	5550	9	1	333	1	5697.0, 5628.0, 5448.0, 5569.0, 5616.0, 5387.0, 5685.0, 5386.0, 5380.0, 5609.0, 5338.0, 5432.0, 5443.0, 5564.0, 5406.0, 5605.0, 5579.0, 5688.0, 5684.0, 5373.0, 5544.0, 5524.0, 5408.0, 5570.0, 5321.0, 5360.0, 5646.0, 5304.0, 5455.0, 5639.0, 5500.0, 5479.0, 5642.0, 5709.0, 5636.0, 5414.0, 5492.0, 5657.0, 5291.0, 5537.0, 5554.0, 5293.0,

						5430.0, 5277.0, 5294.0, 5669.0, 5706.0, 5340.0, 5341.0, 5260.0, 5571.0, 5469.0, 5597.0, 5573.0, 5503.0, 5398.0, 5346.0, 5433.0, 5282.0, 5255.0, 5329.0, 5431.0, 5361.0, 5648.0, 5674.0, 5602.0, 5560.0, 5295.0, 5700.0, 5638.0, 5583.0, 5614.0, 5258.0, 5441.0, 5468.0, 5519.0, 5535.0, 5495.0, 5658.0, 5320.0, 5421.0, 5405.0, 5525.0, 5253.0, 5446.0, 5548.0, 5374.0, 5393.0, 5426.0, 5664.0, 5665.0, 5392.0, 5551.0, 5300.0, 5403.0, 5470.0, 5420.0, 5309.0, 5416.0, 5543.0 (number of hits: 7)
29	5550	9	1	333	1	5533.0, 5329.0, 5382.0, 5274.0, 5309.0, 5505.0, 5314.0, 5550.0, 5400.0, 5460.0, 5665.0, 5718.0, 5616.0, 5437.0, 5585.0, 5286.0, 5446.0, 5708.0, 5381.0, 5664.0, 5535.0, 5517.0, 5617.0, 5529.0, 5252.0, 5721.0, 5512.0, 5674.0, 5370.0, 5424.0, 5689.0, 5277.0, 5518.0, 5313.0, 5395.0, 5369.0, 5287.0, 5507.0, 5307.0, 5504.0, 5261.0, 5657.0, 5459.0, 5376.0, 5497.0, 5646.0, 5681.0, 5409.0, 5344.0, 5330.0, 5587.0, 5461.0, 5439.0, 5457.0, 5700.0, 5396.0, 5520.0, 5661.0, 5598.0, 5593.0, 5388.0, 5641.0, 5394.0, 5449.0, 5666.0, 5324.0, 5295.0, 5672.0, 5407.0, 5493.0, 5351.0, 5509.0, 5621.0, 5667.0, 5557.0, 5371.0, 5296.0, 5268.0, 5401.0, 5404.0, 5602.0, 5614.0, 5425.0, 5608.0, 5566.0, 5638.0, 5468.0, 5413.0, 5692.0, 5709.0, 5543.0, 5627.0, 5278.0, 5488.0, 5590.0, 5555.0, 5353.0, 5541.0, 5669.0, 5474.0 (number of hits: 8)
30	5550	9	1	333	1	5570.0, 5611.0, 5271.0, 5405.0, 5632.0, 5575.0, 5545.0, 5556.0, 5511.0, 5387.0, 5539.0, 5664.0, 5660.0, 5648.0, 5447.0, 5554.0, 5495.0, 5331.0, 5626.0, 5595.0, 5607.0, 5322.0, 5510.0, 5379.0, 5560.0, 5680.0, 5568.0, 5509.0, 5669.0, 5638.0, 5721.0, 5402.0, 5384.0, 5365.0, 5666.0, 5415.0, 5628.0, 5645.0, 5465.0, 5662.0, 5348.0, 5699.0, 5341.0, 5351.0, 5356.0, 5469.0, 5714.0, 5386.0, 5706.0, 5603.0, 5719.0, 5339.0, 5442.0, 5513.0, 5473.0, 5268.0, 5486.0, 5569.0, 5657.0, 5709.0, 5701.0, 5400.0, 5566.0, 5542.0, 5508.0, 5639.0, 5619.0, 5395.0, 5264.0, 5376.0, 5334.0, 5505.0, 5722.0, 5526.0, 5414.0, 5410.0, 5494.0, 5258.0, 5316.0, 5372.0, 5323.0, 5294.0, 5502.0, 5429.0, 5552.0, 5693.0, 5435.0, 5433.0, 5605.0, 5708.0, 5562.0, 5369.0, 5658.0, 5295.0, 5555.0, 5406.0, 5584.0, 5398.0, 5284.0, 5342.0 (number of hits: 2)

5290 MHz, 80 MHz Bandwidth

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

Please refer to the following statistical tables:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	74	1	718	1
2	5290	68	1	778	1
3	5290	83	1	638	1
4	5290	76	1	698	1
5	5290	57	1	938	1
6	5290	61	1	878	1
7	5290	59	1	898	1
8	5290	99	1	538	1
9	5290	89	1	598	1
10	5290	81	1	658	1
11	5290	63	1	838	1
12	5290	58	1	918	1
13	5290	72	1	738	1
14	5290	95	1	558	1
15	5290	62	1	858	1
16	5290	45	1	1197	1
17	5290	20	1	2644	1
18	5290	18	1	3044	1
19	5290	36	1	1499	1
20	5290	42	1	1266	1
21	5290	19	1	2855	1
22	5290	51	1	1042	1
23	5290	38	1	1413	1
24	5290	19	1	2830	1
25	5290	26	1	2075	1
26	5290	35	1	1526	1
27	5290	67	1	799	1
28	5290	19	1	2857	1
29	5290	33	1	1624	1
30	5290	63	1	846	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	23	3.4	179	1
2	5290	27	2.4	216	1
3	5290	26	1.9	183	1
4	5290	27	2.4	208	1
5	5290	28	1.3	198	1
6	5290	24	3.8	158	1
7	5290	26	2	177	1
8	5290	27	1.7	230	1
9	5290	29	2.7	181	1
10	5290	29	1.8	170	1
11	5290	25	2.2	163	1
12	5290	28	4.7	222	1
13	5290	23	4	228	1
14	5290	25	2.5	196	1
15	5290	28	4.5	207	1
16	5290	27	5	159	1
17	5290	26	1	153	1
18	5290	29	3.1	191	1
19	5290	28	3.1	228	1
20	5290	27	2.6	155	1
21	5290	23	2.4	181	1
22	5290	23	1.6	216	1
23	5290	23	4.1	230	1
24	5290	29	1.3	176	1
25	5290	24	1.7	191	1
26	5290	26	3.6	155	1
27	5290	27	1.5	178	1
28	5290	27	3	179	1
29	5290	25	4.1	224	1
30	5290	28	4.2	226	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	16	7.4	418	1
2	5290	18	8.6	345	1
3	5290	17	6	486	1
4	5290	18	6	233	1
5	5290	17	8.1	466	1
6	5290	18	8.7	412	1
7	5290	16	6.5	419	1
8	5290	17	6.1	473	1
9	5290	18	7.3	278	1
10	5290	17	10	445	1
11	5290	16	6.2	336	1
12	5290	16	7.2	226	1
13	5290	16	7.9	367	1
14	5290	17	6.4	384	1
15	5290	18	6	257	1
16	5290	16	7.6	462	1
17	5290	16	9.8	243	1
18	5290	18	7.7	264	1
19	5290	18	7.8	404	1
20	5290	18	8.8	494	1
21	5290	16	9.8	219	1
22	5290	16	7.5	370	1
23	5290	16	7.7	312	1
24	5290	17	6.3	248	1
25	5290	16	6.4	221	1
26	5290	16	9.5	426	1
27	5290	18	8.4	387	1
28	5290	16	6	456	1
29	5290	18	7.9	297	1
30	5290	18	6.5	413	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	16	14	258	1
2	5290	15	12.8	482	1
3	5290	14	11.5	275	1
4	5290	14	13.9	234	1
5	5290	15	14.2	334	1
6	5290	12	13.3	334	1
7	5290	16	16.2	206	1
8	5290	16	14.1	442	1
9	5290	15	13.9	214	1
10	5290	12	14.2	414	1
11	5290	15	15.8	311	1
12	5290	14	19.7	435	1
13	5290	16	13.6	328	1
14	5290	15	14.7	360	1
15	5290	13	14.1	344	1
16	5290	15	19.6	474	1
17	5290	12	17.3	287	1
18	5290	15	11.3	259	1
19	5290	12	17.2	379	1
20	5290	12	12	260	1
21	5290	16	19.6	253	1
22	5290	12	14.4	290	1
23	5290	16	17.8	295	1
24	5290	14	14.1	466	1
25	5290	16	12.5	488	1
26	5290	16	12.7	247	1
27	5290	12	13.7	467	1
28	5290	14	16	228	1
29	5290	14	16.1	269	1
30	5290	14	14.2	434	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5258 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	96.7	1925		0.64328	1
1	1	11	53.5			1.088582	
2	2	5	71.6	1084		2.185106	
3	2	16	66.2	1743		3.414664	
4	2	15	73.2	1407		4.221336	
5	3	11	92.2	1365	1155	4.341425	
6	2	12	92.4	1523		5.157774	
7	3	16	54.1	1380	1107	6.002611	
8	2	16	64.6	1945		6.877117	
9	2	5	52.4	1178		7.94221	
10	1	12	79.9			8.931103	
11	2	11	71.7	1052		9.809236	
12	2	15	91.3	1245		10.331766	
13	2	8	99.7	1859		11.457371	

Bin5 Statistics 2

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	1	7	57.1			0.091702	1
1	1	12	79.3			0.984296	
2	2	9	72.7	1748		1.817823	
3	3	17	68.7	1087	1241	2.765877	
4	1	12	97.5			3.720779	
5	3	6	63	1415	1563	4.774514	
6	1	14	70			5.642656	
7	1	11	53.9			6.77336	
8	2	16	85	1876		6.930168	
9	1	13	66.6			8.444672	
10	3	19	55.4	1886	1517	8.995541	
11	2	20	81.2	1267		9.526947	
12	2	8	67	1961		10.484801	
13	3	11	80.5	1031	1080	11.795264	

Bin5 Statistics 3

CF=5252MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	82.1	1507		0.267737	1
1	1	13	61			1.602852	
2	3	6	84.2	1142	1281	2.516356	
3	3	9	77.7	1500	1694	3.332135	
4	1	6	77.6			4.552815	
5	2	12	73	1260		5.796668	
6	3	11	78.5	1740	1265	6.718825	
7	2	19	66	1412		7.006756	
8	3	15	98.4	1984	1501	8.597682	
9	2	17	70.9	1858		9.160038	
10	2	15	72.2	1217		10.77468	
11	2	9	71.3	1475		11.781513	

Bin5 Statistics 4

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	10	65.2			0.48211	
1	1	10	86.8			1.682015	
2	1	11	93.7			2.027199	
3	2	16	85	1489		3.521969	
4	1	9	92.2			3.78607	
5	1	17	70.1			4.654374	
6	3	15	59.9	1941	1171	6.235394	1
7	1	8	97.4			6.566113	
8	3	8	70.4	1887	1875	8.107512	
9	2	19	84.2	1634		8.577361	
10	3	7	60.9	1359	1127	9.751887	
11	1	7	94.3			11.058753	
12	2	10	70.1	1628		11.354349	

Bin5 Statistics 5

CF=5297 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	16	99.2	1567		0.633232	
1	3	12	94	1745	1046	2.030819	
2	2	14	76.1	1559		2.897897	
3	2	12	65.1	1934		3.727868	
4	1	16	78.3			5.434131	
5	1	19	80.4			5.696209	1
6	1	18	77			7.168984	
7	1	9	51.1			8.274913	
8	1	9	67.9			9.724923	
9	3	17	89.7	1862	1157	10.335723	
10	3	15	74.3	1984	1691	11.226517	

Bin5 Statistics 6

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	18	62.5	1315		0.296272	1
1	2	6	65.5	1770		1.723862	
2	2	10	82.8	1140		2.976591	
3	3	5	86.6	1433	1724	3.533837	
4	2	10	56.3	1762		4.709717	
5	1	14	70.3			6.357087	
6	3	18	91.7	1597	1408	6.778191	
7	1	15	95.4			8.093478	
8	1	17	78.6			8.867439	
9	2	19	61.1	1999		10.258974	
10	2	19	97.6	1443		11.200462	

Bin5 Statistics 7

CF=5273 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	19	59.7	1532		0.490856	1
1	1	14	56.1			1.009554	
2	2	14	59.7	1301		1.669445	
3	1	15	56.5			2.864485	
4	3	19	94.9	1968	1851	3.284029	
5	2	6	96.6	1173		3.783253	
6	3	9	73.1	1438	1107	4.66632	
7	3	13	95.4	1969	1915	5.887287	
8	2	18	76	1077		6.700547	
9	2	19	53	1430		6.985234	
10	2	14	62.8	1343		8.055615	
11	1	8	53.4			8.263591	
12	2	7	60.1	1476		9.382042	
13	2	12	71.8	1766		10.290696	
14	3	10	62.4	1648	1676	10.643842	
15	2	17	59.1	1308		11.703425	

Bin5 Statistics 8

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	3	11	69.1	1070	1346	0.218739	1
1	2	19	52	1072		1.554855	
2	3	11	85.6	1314	1228	2.580361	
3	1	15	51.4			3.271911	
4	2	8	56.5	1297		4.288852	
5	1	9	60.1			5.523424	
6	2	14	84.1	1320		5.656201	
7	1	14	67			6.89346	
8	1	16	50.4			7.691746	
9	1	17	67.4			8.966415	
10	3	6	77.5	1967	1748	9.940274	
11	1	14	54.2			10.249429	
12	2	20	83.6	1812		11.12844	

Bin5 Statistics 9

CF=5300 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	9	63.3			0.264605	1
1	2	13	57.1	1193		1.114451	
2	3	9	55	1601	1489	1.74457	
3	3	5	58.3	1862	1793	2.557025	
4	3	13	94.4	1642	1504	2.94243	
5	3	10	68.3	1190	1504	3.802114	
6	2	7	81	1488		4.636706	
7	2	8	57.8	1622		4.839172	
8	3	13	88	1449	1435	5.993507	
9	1	7	67.9			6.658913	
10	2	5	58.4	1822		6.996421	
11	2	7	75.3	1427		7.849819	
12	2	10	96.1	1097		8.543787	
13	2	14	68.5	1741		8.679347	
14	1	13	53.5			9.886327	
15	2	19	66.5	1752		10.341902	
16	2	16	93	1030		11.153916	
17	2	10	83.5	1243		11.818032	

Bin5 Statistics 10

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	3	12	63	1730	1111	0.17253	1
1	2	19	51.9	1816		0.932308	
2	1	12	89.9			2.627496	
3	1	14	59.2			3.212684	
4	3	19	63.9	1302	1969	3.919909	
5	3	8	54.9	1644	1633	4.829082	
6	3	14	92.7	1567	1200	5.559961	
7	3	5	71.8	1486	1632	7.308146	
8	2	18	74.5	1610		8.191677	
9	1	19	58.9			8.790454	
10	2	16	98.1	1238		9.508382	
11	1	19	77.2			10.816285	
12	2	7	80.8	1394		11.836515	

Bin5 Statistics 11

CF=5303 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	92.7	1074		0.212415	1
1	2	6	87	1755		0.854008	
2	1	18	52.3			1.673413	
3	2	7	52.9	1032		2.363892	
4	2	6	63.6	1022		3.344972	
5	3	13	61.1	1938	1884	4.087675	
6	1	8	62.8			4.482517	
7	2	14	96.4	1084		5.144492	
8	3	18	94.5	2000	1362	5.719176	
9	1	18	93.9			6.798911	
10	2	11	53.1	1327		7.59741	
11	2	15	71.9	1160		8.220119	
12	2	19	94.4	1406		8.498106	
13	2	9	77.6	1759		9.553543	
14	3	7	99.2	1893	1473	10.331306	
15	1	6	78.3			10.85564	
16	1	9	77.3			11.387996	

Bin5 Statistics 12

CF=5315 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	66.2	1272	1534	0.024116	1
1	1	12	90.6			1.11039	
2	2	10	51.7	1482		2.068345	
3	1	6	92.1			3.114239	
4	2	17	80.6	1391		3.684168	
5	2	13	90.6	1260		4.507848	
6	3	14	85	1321	1936	5.532268	
7	2	19	73.4	1932		6.117709	
8	1	15	94.9			6.958025	
9	3	16	70.6	1691	1682	7.986964	
10	2	11	85.2	1908		8.855323	
11	3	13	69.2	1760	1316	9.716868	
12	2	7	70.7	1774		10.994482	
13	1	12	91.6			11.207244	

Bin5 Statistics 13

CF=5253 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	95.9	1292		0.237089	1
1	3	18	64.9	1581	1889	2.038945	
2	1	11	51.5			3.458028	
3	3	7	86.4	1666	1010	4.694423	
4	1	6	89.9			5.808243	
5	3	6	75.3	1810	1773	6.509252	
6	3	8	62.1	1107	1449	8.236053	
7	2	16	51.2	1270		8.422539	
8	2	12	51.8	1966		10.124014	
9	2	16	58.3	1305		11.105048	

Bin5 Statistics 14

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	18	74.8	1725		0.588565	1
1	3	13	61	1965	1239	0.713421	
2	1	9	72.5			1.538435	
3	1	16	51.8			1.821337	
4	3	20	86	1084	1109	2.504446	
5	3	10	81.8	1688	1522	3.562495	
6	3	8	74.9	1167	1341	3.918364	
7	1	6	69.8			4.302485	
8	3	7	76.1	1078	1993	5.35622	
9	2	9	98.4	1118		5.542717	
10	2	7	96.7	1121		6.268267	
11	1	16	66.7			7.141594	
12	3	13	67.8	1494	1747	7.55685	
13	3	13	95.3	1750	1194	7.999067	
14	3	6	51.3	1635	1570	8.832166	
15	3	20	51.8	1070	1858	9.509818	
16	3	12	83	1374	1002	9.952284	
17	1	13	90.5			10.584357	
18	3	14	53.7	1505	1495	11.017371	
19	2	9	76.7	1550		11.722748	

Bin5 Statistics 15

CF=5310 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	13	98.4	1170		0.296448	1
1	3	15	68.7	1154	1104	0.980022	
2	3	7	57.8	1766	1044	1.391256	
3	3	14	66.6	1852	1985	2.198083	
4	2	6	75.9	1605		2.720084	
5	3	19	78.6	1963	1211	3.027659	
6	2	6	89.4	1674		4.115395	
7	2	12	50.8	1383		4.261986	
8	3	10	99.8	1814	1001	5.247066	
9	1	16	87.7			5.709691	
10	2	7	74.4	1522		6.078588	
11	1	13	78.3			6.619318	
12	1	6	84.3			7.299313	
13	3	17	51.8	1597	1654	7.885278	
14	1	18	90.6			8.631511	
15	3	8	77.7	1822	1564	9.114328	
16	1	11	66.7			10.166224	
17	2	14	86.8	1482		10.251632	
18	2	19	82.4	1458		11.264383	
19	1	9	91			11.599813	

Bin5 Statistics 16

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	1	5	70.5			0.217629	1
1	3	15	73.7	1475	1613	0.793303	
2	2	15	74.3	1070		2.003612	
3	3	7	59.2	1601	1232	2.675506	
4	3	15	74.2	1241	1815	2.957277	
5	2	16	96.1	1523		4.168492	
6	2	6	83.5	1981		4.800182	
7	1	7	81.7			5.478499	
8	2	19	87.1	1908		6.134476	
9	2	12	96	1486		6.658842	
10	2	9	61.5	1995		7.166285	
11	2	19	56.9	1449		8.357853	
12	1	17	69.7			8.651659	
13	2	14	75.8	1685		9.325059	
14	2	15	75.5	1056		10.322613	
15	3	14	92	1819	1067	11.148283	
16	2	17	68.3	1994		11.364401	

Bin5 Statistics 17

CF=5299 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	84.9	1444		0.818522	1
1	2	13	71.6	1840		1.51335	
2	2	12	71.4	1373		2.262956	
3	1	13	79.5			3.81529	
4	3	18	94.5	1949	1816	4.078971	
5	1	10	80.2			5.756653	
6	2	19	71.5	1219		6.265732	
7	3	5	75.5	1963	1833	7.932211	
8	1	20	70.2			8.08235	
9	1	18	60.9			9.06281	
10	3	11	98.8	1437	1903	10.396221	
11	2	13	91.6	1873		11.435086	

Bin5 Statistics 18

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	15	73.7	1533		0.570334	1
1	3	15	72.9	1289	1518	1.672269	
2	1	6	89.4			2.102743	
3	2	6	53.8	1294		3.224917	
4	1	5	70.9			4.397227	
5	3	13	95.6	1164	1605	5.974019	
6	3	17	62.1	1002	1993	6.2337	
7	2	11	68.9	1554		7.923723	
8	1	7	56.1			8.476207	
9	2	19	51	1931		9.768616	
10	2	15	94.9	1016		10.554687	
11	3	8	69.2	1301	1546	11.441119	

Bin5 Statistics 19

CF=5312 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	99.4	1714		0.265533	
1	2	5	52.4	1946		1.385974	
2	3	6	95.3	1857	1765	1.877779	
3	2	15	71.8	1466		2.309391	
4	1	9	52.2			3.099177	
5	2	14	61.4	1917		3.952584	
6	3	16	62.4	1434	1955	4.533484	
7	2	16	67.1	1754		5.42394	
8	3	16	73.4	1689	1359	5.841881	1
9	3	13	53.1	1283	1043	6.907184	
10	2	17	59.4	1082		7.472528	
11	3	20	91.7	1364	1274	8.39226	
12	2	19	71.5	1069		8.71029	
13	2	12	84.6	1704		9.759322	
14	1	7	94.7			10.310662	
15	2	8	83.2	1823		11.112868	
16	3	9	64.6	1565	1927	11.523582	

Bin5 Statistics 20

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	9	90.2	1163		0.517433	
1	2	12	67	1007		1.025245	
2	2	11	74	1475		1.330161	
3	3	16	69.2	1163	1844	2.034758	
4	2	11	74.9	1408		2.9186	
5	1	14	79.7			3.237562	
6	3	11	91.5	1752	1428	4.340296	
7	1	13	93.6			4.795729	
8	2	10	77.1	1540		5.557663	
9	2	14	80	1284		5.799848	1
10	3	14	68.4	1457	1894	6.61498	
11	2	6	73.3	1664		7.288725	
12	2	9	93.4	1288		7.707636	
13	2	15	85.4	1924		8.494477	
14	2	14	87.8	1690		8.915788	
15	1	19	50			9.847734	
16	2	6	55	1609		10.273038	
17	3	10	61.4	1611	1675	10.894612	
18	1	15	72			11.731244	

Bin5 Statistics 21

CF=5252 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	76.3	1008		0.66966	1
1	1	18	92.4			1.986021	
2	1	5	65.8			3.571308	
3	2	10	84.7	1737		4.656919	
4	3	5	50.6	1196	1692	5.698988	
5	2	7	62.2	1711		7.158442	
6	2	17	91.7	1154		8.337315	
7	2	9	98.6	1686		9.249893	
8	3	19	52.1	1842	1969	10.329901	
9	3	12	86.7	1325	1182	11.703133	

Bin5 Statistics 22

CF=5305 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	12	57.1			0.458114	1
1	2	19	71.5	1738		1.055219	
2	2	13	75.3	1249		1.955952	
3	3	18	64.8	1335	1277	2.482305	
4	2	12	63.7	1764		3.19967	
5	3	16	95.3	1996	1290	3.959003	
6	2	18	72.7	1554		4.815243	
7	2	14	68.6	1898		5.421976	
8	2	16	92.4	1851		5.829467	
9	3	17	91.5	1421	1387	6.971302	
10	2	11	84.1	1995		7.561698	
11	2	14	100	1818		8.220102	
12	1	8	83.8			8.899325	
13	2	7	64.8	1048		9.452263	
14	3	6	79.9	1968	1616	10.47864	
15	2	12	77.8	1427		11.197915	
16	2	12	74.4	1384		11.365358	

Bin5 Statistics 23

CF=5263 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	7	81.3			0.590568	1
1	3	12	59.8	1388	1943	0.943044	
2	2	9	56.4	1630		1.559854	
3	1	16	68.9			2.469226	
4	1	12	51.4			2.880452	
5	1	7	96.1			3.670156	
6	2	14	70.7	1078		4.081687	
7	1	12	50.5			4.691483	
8	1	18	87.2			5.190155	
9	3	12	56.8	1393	1101	5.755822	
10	2	18	59.5	1841		6.554742	
11	2	5	79.7	1159		7.424862	
12	3	18	88.3	1809	1252	8.076531	
13	2	14	61.8	1722		8.590569	
14	2	12	88.2	1883		9.101475	
15	2	9	82.9	1178		10.00616	
16	2	12	67.5	1069		10.678183	
17	2	8	74.2	1699		11.333068	
18	1	17	92.1			11.643105	

Bin5 Statistics 24

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	65.4			0.516423	1
1	1	13	54.8			1.760463	
2	2	15	56.2	1323		2.930748	
3	2	7	95.7	1191		3.829063	
4	2	7	71.2	1782		4.95858	
5	3	10	59.1	1557	1810	5.631542	
6	2	11	58.1	1164		6.876927	
7	2	16	73.5	1836		8.090462	
8	3	12	90	1338	1966	9.672736	
9	2	5	73	1437		10.475976	
10	2	13	62.7	1873		11.35391	

Bin5 Statistics 25

CF=5306 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	18	62.1	1176		0.161866	1
1	3	17	65	1056	1695	1.605009	
2	1	18	64.5			2.55189	
3	3	17	96	1636	1749	3.205191	
4	2	10	56.3	1399		4.305622	
5	1	11	67.4			5.661917	
6	2	14	65.7	1711		6.663626	
7	1	15	96.9			7.68187	
8	1	7	60.3			8.15745	
9	2	16	83.3	1513		9.9614	
10	2	6	86.2	1019		10.959943	
11	2	12	66.3	1975		11.472399	

Bin5 Statistics 26

CF=5268 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	17	67.8			0.027895	1
1	2	16	56.5	1229		1.33121	
2	3	19	88.2	1812	1115	1.974927	
3	2	17	70.6	1564		3.17335	
4	2	11	80.3	1600		4.114871	
5	2	18	60.5	1174		4.412612	
6	2	10	51.7	1354		5.779569	
7	3	14	93.5	1691	1080	6.431086	
8	2	20	58.1	1244		7.605304	
9	2	6	84.4	1535		8.46859	
10	1	10	76.9			8.884748	
11	2	20	76.2	1312		9.946339	
12	1	18	87.1			10.642487	
13	2	19	86.3	1054		11.983373	

Bin5 Statistics 27

CF=5291 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	16	97.8	1083		0.476414	1
1	2	18	78.2	1815		1.352721	
2	1	11	99.1			2.293415	
3	2	12	80.7	1437		3.284903	
4	1	12	58			3.555693	
5	2	11	92.1	1621		4.809472	
6	3	7	65.4	1430	1544	5.848267	
7	1	16	93.5			6.237352	
8	3	15	94.2	1761	1866	7.630318	
9	3	19	56.3	1621	1388	8.210159	
10	3	12	61.9	1500	1523	8.680714	
11	2	7	69.6	1755		10.023995	
12	2	12	59.1	1973		10.942963	
13	2	8	73.5	1535		11.833474	

Bin5 Statistics 28

CF=5303 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	20	61.3	1728	1412	0.66371	1
1	3	16	66.5	1987	1639	1.703063	
2	2	11	74.7	1674		3.206041	
3	1	9	88.7			5.727123	
4	3	10	66	1588	1015	6.40766	
5	3	14	54.9	1078	1792	7.727876	
6	2	6	54.8	1511		10.38595	
7	1	12	65.1			11.437271	

Bin5 Statistics 29

CF=5268 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	7	94.6	1213	1131	0.574865	
1	2	18	51.6	1048		0.897953	
2	2	13	90.1	1456		1.492258	
3	3	8	88.5	1669	1031	1.993642	
4	2	18	50.8	1649		2.668208	
5	2	15	52.7	1677		3.662578	
6	2	6	63.1	2000		4.00928	
7	1	18	68.5			4.805738	
8	2	11	74.8	1246		5.577747	
9	2	8	61.7	1702		6.079199	1
10	3	5	95.3	1424	1422	6.725195	
11	2	11	83.3	1758		7.247902	
12	3	9	69.3	1876	1266	7.785698	
13	2	8	88.2	1752		8.494991	
14	1	16	54.4			8.930185	
15	3	14	92.4	1203	1824	9.82811	
16	2	6	75.7	1410		10.526173	
17	3	10	55.5	1503	1357	10.967196	
18	2	19	72.6	1094		11.921829	

Bin5 Statistics 30

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	2	17	73.4	1968		0.083704	1
1	2	5	84.9	1217		1.11901	
2	2	20	81	1173		1.346671	
3	3	14	89.4	1898	1906	2.052954	
4	2	6	59.5	1318		2.771643	
5	1	7	60			3.560028	
6	2	11	98.3	1665		4.170421	
7	3	9	56	1303	1362	5.078055	
8	2	8	66.2	1891		5.764826	
9	2	7	85.5	1506		6.577561	
10	2	17	80.3	1484		7.258645	
11	2	17	57	1301		7.683356	
12	3	14	92.6	1490	1279	8.58867	
13	2	8	96.1	1462		8.962544	
14	2	13	77.3	1070		9.652516	
15	2	9	57.1	1877		10.616328	
16	1	20	63.3			10.949466	
17	1	12	51.9			11.704811	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5290	9	1	333	1	5305.0, 5672.0, 5566.0, 5602.0, 5266.0, 5379.0, 5282.0, 5427.0, 5501.0, 5630.0, 5559.0, 5696.0, 5428.0, 5707.0, 5703.0, 5574.0, 5348.0, 5680.0, 5561.0, 5513.0, 5429.0, 5639.0, 5611.0, 5476.0, 5720.0, 5391.0, 5261.0, 5370.0, 5355.0, 5596.0, 5358.0, 5377.0, 5507.0, 5600.0, 5362.0, 5658.0, 5534.0, 5661.0, 5435.0, 5709.0, 5451.0, 5692.0, 5459.0, 5645.0, 5485.0, 5323.0, 5504.0, 5667.0, 5318.0, 5589.0, 5576.0, 5252.0, 5339.0, 5472.0, 5584.0, 5390.0, 5344.0, 5456.0, 5695.0, 5640.0, 5597.0, 5437.0, 5343.0, 5652.0, 5670.0, 5255.0, 5511.0, 5465.0, 5412.0, 5705.0, 5628.0, 5325.0, 5388.0, 5310.0, 5678.0, 5641.0, 5365.0, 5347.0, 5439.0, 5269.0, 5643.0, 5480.0, 5383.0, 5708.0, 5294.0, 5336.0, 5587.0, 5481.0, 5306.0, 5516.0, 5491.0, 5567.0, 5353.0, 5552.0, 5691.0, 5398.0, 5418.0, 5535.0, 5533.0, 5271.0 (number of hits: 4)
2	5290	9	1	333	1	5268.0, 5343.0, 5694.0, 5453.0, 5311.0, 5600.0, 5335.0, 5609.0, 5526.0, 5632.0, 5446.0, 5551.0, 5715.0, 5442.0, 5710.0, 5628.0, 5313.0, 5424.0, 5515.0, 5352.0, 5412.0, 5476.0, 5418.0, 5586.0, 5556.0, 5569.0, 5623.0, 5454.0, 5622.0, 5644.0, 5503.0, 5709.0, 5428.0, 5393.0, 5422.0, 5541.0, 5482.0, 5627.0, 5398.0, 5331.0, 5383.0, 5403.0, 5285.0, 5719.0, 5370.0, 5439.0, 5281.0, 5557.0, 5395.0, 5539.0, 5385.0, 5672.0, 5639.0, 5386.0, 5369.0, 5613.0, 5662.0, 5533.0, 5373.0, 5633.0, 5334.0, 5397.0, 5376.0, 5419.0, 5267.0, 5324.0, 5264.0, 5604.0, 5304.0, 5712.0, 5686.0, 5433.0, 5461.0, 5312.0, 5494.0, 5553.0, 5657.0, 5408.0, 5388.0, 5269.0, 5491.0, 5318.0, 5351.0, 5265.0, 5495.0, 5693.0, 5448.0, 5251.0, 5682.0, 5306.0, 5699.0, 5262.0, 5474.0, 5574.0, 5580.0, 5391.0, 5483.0, 5355.0, 5655.0, 5302.0 (number of hits: 7)
3	5290	9	1	333	1	5292.0, 5668.0, 5700.0, 5371.0, 5473.0, 5366.0, 5343.0, 5458.0, 5463.0, 5377.0, 5409.0, 5637.0, 5253.0, 5559.0, 5281.0, 5612.0, 5601.0, 5349.0, 5531.0, 5618.0, 5535.0, 5517.0, 5598.0, 5551.0, 5317.0, 5394.0, 5376.0, 5629.0, 5720.0, 5511.0, 5386.0, 5288.0, 5493.0, 5469.0, 5650.0, 5344.0, 5489.0, 5427.0, 5274.0, 5536.0, 5694.0, 5666.0, 5355.0, 5399.0, 5448.0, 5402.0, 5522.0, 5456.0, 5452.0, 5277.0, 5553.0, 5677.0, 5323.0, 5379.0, 5577.0, 5690.0, 5657.0, 5439.0, 5263.0, 5632.0, 5483.0, 5646.0, 5555.0, 5610.0, 5684.0, 5380.0, 5342.0, 5549.0, 5282.0, 5689.0, 5481.0, 5529.0, 5259.0, 5368.0, 5387.0, 5548.0, 5600.0, 5625.0, 5703.0, 5418.0, 5516.0, 5542.0, 5616.0, 5571.0, 5546.0, 5415.0, 5579.0, 5698.0, 5284.0, 5357.0, 5327.0, 5609.0, 5494.0, 5692.0, 5644.0, 5351.0, 5487.0, 5653.0, 5401.0, 5680.0 (number of hits: 2)
4	5290	9	1	333	1	5336.0, 5717.0, 5451.0, 5609.0, 5417.0, 5295.0, 5276.0, 5499.0, 5330.0, 5291.0, 5494.0, 5456.0, 5331.0, 5438.0, 5617.0, 5603.0, 5344.0, 5616.0,

						5613.0, 5622.0, 5363.0, 5352.0, 5638.0, 5584.0, 5551.0, 5375.0, 5445.0, 5261.0, 5354.0, 5408.0, 5538.0, 5293.0, 5256.0, 5549.0, 5439.0, 5457.0, 5720.0, 5300.0, 5577.0, 5264.0, 5391.0, 5629.0, 5431.0, 5462.0, 5508.0, 5550.0, 5350.0, 5266.0, 5448.0, 5351.0, 5578.0, 5493.0, 5504.0, 5633.0, 5586.0, 5593.0, 5415.0, 5434.0, 5501.0, 5357.0, 5284.0, 5631.0, 5671.0, 5481.0, 5267.0, 5712.0, 5489.0, 5313.0, 5340.0, 5358.0, 5453.0, 5333.0, 5565.0, 5523.0, 5537.0, 5598.0, 5399.0, 5651.0, 5670.0, 5325.0, 5507.0, 5428.0, 5332.0, 5495.0, 5576.0, 5272.0, 5612.0, 5465.0, 5461.0, 5422.0, 5547.0, 5252.0, 5389.0, 5610.0, 5587.0, 5518.0, 5327.0, 5607.0, 5503.0, 5539.0 (number of hits: 5)
5	5290	9	1	333	1	5572.0, 5547.0, 5295.0, 5286.0, 5419.0, 5719.0, 5625.0, 5433.0, 5702.0, 5260.0, 5543.0, 5462.0, 5700.0, 5653.0, 5481.0, 5587.0, 5300.0, 5430.0, 5509.0, 5288.0, 5276.0, 5302.0, 5446.0, 5258.0, 5291.0, 5353.0, 5720.0, 5570.0, 5372.0, 5338.0, 5393.0, 5418.0, 5402.0, 5675.0, 5721.0, 5316.0, 5469.0, 5657.0, 5417.0, 5563.0, 5261.0, 5320.0, 5521.0, 5306.0, 5384.0, 5499.0, 5544.0, 5311.0, 5696.0, 5438.0, 5583.0, 5307.0, 5676.0, 5605.0, 5390.0, 5334.0, 5282.0, 5723.0, 5649.0, 5512.0, 5468.0, 5350.0, 5445.0, 5386.0, 5298.0, 5515.0, 5478.0, 5613.0, 5294.0, 5705.0, 5385.0, 5554.0, 5455.0, 5339.0, 5375.0, 5449.0, 5299.0, 5274.0, 5343.0, 5576.0, 5628.0, 5410.0, 5270.0, 5349.0, 5699.0, 5250.0, 5673.0, 5368.0, 5551.0, 5362.0, 5574.0, 5436.0, 5557.0, 5347.0, 5669.0, 5333.0, 5630.0, 5401.0, 5566.0, 5465.0 (number of hits: 12)
6	5290	9	1	333	1	5692.0, 5614.0, 5489.0, 5629.0, 5291.0, 5473.0, 5656.0, 5315.0, 5556.0, 5702.0, 5514.0, 5635.0, 5560.0, 5538.0, 5628.0, 5348.0, 5474.0, 5515.0, 5280.0, 5616.0, 5302.0, 5606.0, 5574.0, 5416.0, 5277.0, 5425.0, 5285.0, 5414.0, 5260.0, 5334.0, 5284.0, 5503.0, 5389.0, 5512.0, 5607.0, 5483.0, 5383.0, 5257.0, 5504.0, 5613.0, 5410.0, 5676.0, 5409.0, 5657.0, 5407.0, 5678.0, 5612.0, 5561.0, 5477.0, 5367.0, 5345.0, 5482.0, 5697.0, 5262.0, 5436.0, 5310.0, 5347.0, 5518.0, 5264.0, 5261.0, 5509.0, 5272.0, 5371.0, 5453.0, 5585.0, 5354.0, 5570.0, 5653.0, 5693.0, 5539.0, 5571.0, 5625.0, 5266.0, 5486.0, 5535.0, 5458.0, 5488.0, 5591.0, 5442.0, 5479.0, 5573.0, 5420.0, 5271.0, 5263.0, 5362.0, 5351.0, 5460.0, 5517.0, 5304.0, 5417.0, 5364.0, 5620.0, 5578.0, 5670.0, 5413.0, 5550.0, 5665.0, 5314.0, 5626.0, 5519.0 (number of hits: 6)
7	5290	9	1	333	1	5358.0, 5325.0, 5251.0, 5631.0, 5707.0, 5532.0, 5441.0, 5552.0, 5564.0, 5455.0, 5588.0, 5658.0, 5336.0, 5487.0, 5369.0, 5596.0, 5407.0, 5446.0, 5619.0, 5283.0, 5624.0, 5399.0, 5499.0, 5543.0, 5356.0, 5524.0, 5721.0, 5307.0, 5419.0, 5379.0, 5722.0, 5615.0, 5350.0, 5561.0, 5423.0, 5525.0, 5601.0, 5521.0, 5621.0, 5397.0, 5435.0, 5457.0, 5637.0, 5405.0, 5549.0, 5373.0, 5424.0, 5479.0, 5452.0, 5359.0, 5695.0, 5556.0, 5559.0, 5265.0, 5712.0, 5632.0, 5654.0, 5574.0, 5371.0, 5506.0,

						5513.0, 5475.0, 5541.0, 5335.0, 5492.0, 5418.0, 5719.0, 5431.0, 5302.0, 5659.0, 5576.0, 5607.0, 5655.0, 5587.0, 5333.0, 5640.0, 5275.0, 5451.0, 5427.0, 5690.0, 5523.0, 5417.0, 5270.0, 5338.0, 5636.0, 5566.0, 5648.0, 5374.0, 5381.0, 5528.0, 5391.0, 5346.0, 5394.0, 5485.0, 5323.0, 5422.0, 5489.0, 5575.0, 5573.0, 5653.0 (number of hits: 2)
8	5290	9	1	333	1	5402.0, 5676.0, 5593.0, 5308.0, 5312.0, 5490.0, 5492.0, 5586.0, 5385.0, 5380.0, 5452.0, 5709.0, 5533.0, 5403.0, 5316.0, 5511.0, 5619.0, 5269.0, 5306.0, 5671.0, 5632.0, 5598.0, 5624.0, 5663.0, 5712.0, 5706.0, 5337.0, 5612.0, 5265.0, 5672.0, 5428.0, 5580.0, 5659.0, 5693.0, 5578.0, 5617.0, 5541.0, 5601.0, 5645.0, 5422.0, 5500.0, 5469.0, 5486.0, 5325.0, 5282.0, 5413.0, 5356.0, 5700.0, 5568.0, 5570.0, 5605.0, 5689.0, 5610.0, 5716.0, 5391.0, 5680.0, 5687.0, 5615.0, 5440.0, 5343.0, 5620.0, 5278.0, 5597.0, 5608.0, 5445.0, 5647.0, 5357.0, 5583.0, 5251.0, 5253.0, 5489.0, 5363.0, 5529.0, 5407.0, 5479.0, 5688.0, 5355.0, 5555.0, 5366.0, 5525.0, 5635.0, 5252.0, 5416.0, 5501.0, 5644.0, 5359.0, 5639.0, 5502.0, 5585.0, 5333.0, 5655.0, 5522.0, 5477.0, 5259.0, 5277.0, 5330.0, 5467.0, 5512.0, 5464.0, 5424.0 (number of hits: 3)
9	5290	9	1	333	1	5472.0, 5591.0, 5401.0, 5282.0, 5366.0, 5433.0, 5504.0, 5276.0, 5278.0, 5342.0, 5402.0, 5261.0, 5596.0, 5458.0, 5334.0, 5577.0, 5597.0, 5667.0, 5466.0, 5369.0, 5645.0, 5513.0, 5425.0, 5519.0, 5509.0, 5271.0, 5560.0, 5674.0, 5659.0, 5321.0, 5338.0, 5694.0, 5365.0, 5653.0, 5587.0, 5399.0, 5665.0, 5705.0, 5523.0, 5343.0, 5558.0, 5677.0, 5269.0, 5640.0, 5566.0, 5489.0, 5719.0, 5573.0, 5275.0, 5589.0, 5518.0, 5547.0, 5387.0, 5391.0, 5613.0, 5373.0, 5641.0, 5711.0, 5692.0, 5615.0, 5559.0, 5608.0, 5337.0, 5514.0, 5701.0, 5485.0, 5525.0, 5467.0, 5530.0, 5298.0, 5413.0, 5406.0, 5422.0, 5570.0, 5359.0, 5620.0, 5364.0, 5380.0, 5594.0, 5673.0, 5441.0, 5353.0, 5431.0, 5317.0, 5495.0, 5259.0, 5257.0, 5657.0, 5663.0, 5574.0, 5426.0, 5707.0, 5252.0, 5627.0, 5306.0, 5447.0, 5609.0, 5469.0, 5639.0, 5492.0 (number of hits: 2)
10	5290	9	1	333	1	5673.0, 5412.0, 5680.0, 5641.0, 5584.0, 5344.0, 5699.0, 5633.0, 5278.0, 5287.0, 5430.0, 5357.0, 5399.0, 5386.0, 5400.0, 5387.0, 5499.0, 5351.0, 5477.0, 5438.0, 5383.0, 5598.0, 5364.0, 5662.0, 5514.0, 5504.0, 5603.0, 5326.0, 5467.0, 5528.0, 5654.0, 5466.0, 5288.0, 5343.0, 5381.0, 5722.0, 5469.0, 5338.0, 5631.0, 5318.0, 5692.0, 5308.0, 5296.0, 5260.0, 5573.0, 5291.0, 5548.0, 5674.0, 5567.0, 5621.0, 5453.0, 5537.0, 5636.0, 5710.0, 5375.0, 5316.0, 5409.0, 5510.0, 5607.0, 5369.0, 5439.0, 5398.0, 5314.0, 5702.0, 5283.0, 5666.0, 5358.0, 5437.0, 5646.0, 5543.0, 5413.0, 5591.0, 5592.0, 5658.0, 5581.0, 5304.0, 5500.0, 5372.0, 5513.0, 5302.0, 5706.0, 5667.0, 5562.0, 5565.0, 5339.0, 5345.0, 5563.0, 5540.0, 5448.0, 5334.0, 5527.0, 5677.0, 5271.0, 5539.0, 5323.0, 5618.0, 5550.0, 5451.0, 5723.0, 5505.0 (number of hits: 8)
11	5290	9	1	333	1	5359.0, 5664.0, 5671.0, 5435.0, 5417.0, 5311.0,

						5286.0, 5475.0, 5269.0, 5372.0, 5481.0, 5313.0, 5499.0, 5659.0, 5260.0, 5393.0, 5472.0, 5430.0, 5721.0, 5328.0, 5446.0, 5527.0, 5626.0, 5315.0, 5595.0, 5464.0, 5571.0, 5674.0, 5655.0, 5648.0, 5551.0, 5392.0, 5420.0, 5251.0, 5405.0, 5431.0, 5486.0, 5572.0, 5398.0, 5381.0, 5704.0, 5691.0, 5647.0, 5470.0, 5373.0, 5693.0, 5669.0, 5483.0, 5681.0, 5444.0, 5294.0, 5640.0, 5254.0, 5554.0, 5321.0, 5617.0, 5613.0, 5482.0, 5607.0, 5599.0, 5371.0, 5451.0, 5600.0, 5705.0, 5627.0, 5458.0, 5288.0, 5537.0, 5478.0, 5460.0, 5345.0, 5534.0, 5278.0, 5342.0, 5602.0, 5447.0, 5369.0, 5257.0, 5580.0, 5707.0, 5346.0, 5588.0, 5523.0, 5415.0, 5532.0, 5480.0, 5487.0, 5565.0, 5710.0, 5261.0, 5550.0, 5340.0, 5469.0, 5409.0, 5496.0, 5543.0, 5525.0, 5400.0, 5423.0, 5274.0 (number of hits: 5)
12	5290	9	1	333	1	5615.0, 5713.0, 5627.0, 5601.0, 5623.0, 5264.0, 5606.0, 5419.0, 5309.0, 5637.0, 5503.0, 5679.0, 5594.0, 5494.0, 5440.0, 5413.0, 5347.0, 5529.0, 5663.0, 5368.0, 5376.0, 5475.0, 5717.0, 5499.0, 5282.0, 5343.0, 5643.0, 5609.0, 5391.0, 5613.0, 5366.0, 5319.0, 5273.0, 5619.0, 5488.0, 5700.0, 5472.0, 5304.0, 5384.0, 5473.0, 5686.0, 5620.0, 5299.0, 5595.0, 5354.0, 5402.0, 5522.0, 5592.0, 5467.0, 5308.0, 5704.0, 5306.0, 5423.0, 5271.0, 5562.0, 5608.0, 5377.0, 5292.0, 5685.0, 5545.0, 5425.0, 5677.0, 5365.0, 5655.0, 5568.0, 5471.0, 5312.0, 5486.0, 5404.0, 5511.0, 5371.0, 5651.0, 5286.0, 5611.0, 5501.0, 5433.0, 5310.0, 5416.0, 5579.0, 5504.0, 5324.0, 5567.0, 5287.0, 5458.0, 5399.0, 5706.0, 5383.0, 5253.0, 5558.0, 5361.0, 5502.0, 5378.0, 5548.0, 5411.0, 5554.0, 5418.0, 5412.0, 5298.0, 5582.0, 5695.0 (number of hits: 11)
13	5290	9	1	333	1	5629.0, 5710.0, 5584.0, 5285.0, 5672.0, 5601.0, 5662.0, 5498.0, 5545.0, 5439.0, 5294.0, 5342.0, 5689.0, 5421.0, 5574.0, 5707.0, 5489.0, 5527.0, 5658.0, 5266.0, 5490.0, 5447.0, 5396.0, 5693.0, 5334.0, 5586.0, 5358.0, 5578.0, 5585.0, 5618.0, 5519.0, 5326.0, 5677.0, 5349.0, 5646.0, 5307.0, 5429.0, 5308.0, 5531.0, 5603.0, 5607.0, 5458.0, 5280.0, 5563.0, 5593.0, 5614.0, 5673.0, 5514.0, 5352.0, 5377.0, 5571.0, 5633.0, 5621.0, 5525.0, 5443.0, 5697.0, 5509.0, 5375.0, 5357.0, 5480.0, 5581.0, 5518.0, 5305.0, 5313.0, 5257.0, 5379.0, 5694.0, 5269.0, 5720.0, 5577.0, 5701.0, 5455.0, 5457.0, 5386.0, 5636.0, 5337.0, 5255.0, 5465.0, 5572.0, 5476.0, 5329.0, 5279.0, 5599.0, 5289.0, 5721.0, 5576.0, 5705.0, 5311.0, 5398.0, 5268.0, 5524.0, 5434.0, 5382.0, 5263.0, 5479.0, 5325.0, 5422.0, 5464.0, 5300.0, 5610.0 (number of hits: 9)
14	5290	9	1	333	1	5645.0, 5393.0, 5531.0, 5270.0, 5519.0, 5656.0, 5367.0, 5422.0, 5460.0, 5487.0, 5703.0, 5682.0, 5442.0, 5566.0, 5438.0, 5558.0, 5510.0, 5685.0, 5332.0, 5313.0, 5707.0, 5681.0, 5514.0, 5568.0, 5526.0, 5317.0, 5406.0, 5469.0, 5418.0, 5587.0, 5377.0, 5330.0, 5348.0, 5556.0, 5342.0, 5691.0, 5314.0, 5590.0, 5504.0, 5601.0, 5489.0, 5496.0, 5670.0, 5316.0, 5345.0, 5631.0, 5325.0, 5620.0,

						5530.0, 5516.0, 5362.0, 5318.0, 5293.0, 5705.0, 5366.0, 5431.0, 5661.0, 5271.0, 5324.0, 5397.0, 5266.0, 5647.0, 5562.0, 5699.0, 5286.0, 5604.0, 5415.0, 5465.0, 5347.0, 5253.0, 5550.0, 5365.0, 5575.0, 5520.0, 5413.0, 5326.0, 5435.0, 5376.0, 5412.0, 5447.0, 5513.0, 5494.0, 5450.0, 5605.0, 5679.0, 5420.0, 5275.0, 5462.0, 5322.0, 5339.0, 5352.0, 5598.0, 5290.0, 5649.0, 5525.0, 5364.0, 5333.0, 5606.0, 5486.0, 5344.0 (number of hits: 5)
15	5290	9	1	333	1	5630.0, 5264.0, 5484.0, 5397.0, 5507.0, 5565.0, 5654.0, 5313.0, 5452.0, 5480.0, 5591.0, 5635.0, 5490.0, 5293.0, 5470.0, 5582.0, 5641.0, 5431.0, 5287.0, 5282.0, 5518.0, 5420.0, 5437.0, 5656.0, 5382.0, 5468.0, 5639.0, 5674.0, 5601.0, 5491.0, 5252.0, 5296.0, 5389.0, 5542.0, 5253.0, 5412.0, 5472.0, 5564.0, 5710.0, 5651.0, 5508.0, 5617.0, 5584.0, 5265.0, 5648.0, 5705.0, 5598.0, 5679.0, 5578.0, 5613.0, 5695.0, 5647.0, 5500.0, 5467.0, 5321.0, 5523.0, 5377.0, 5290.0, 5356.0, 5612.0, 5280.0, 5477.0, 5369.0, 5260.0, 5514.0, 5456.0, 5646.0, 5716.0, 5272.0, 5351.0, 5703.0, 5492.0, 5699.0, 5696.0, 5341.0, 5634.0, 5509.0, 5528.0, 5271.0, 5504.0, 5574.0, 5352.0, 5548.0, 5474.0, 5347.0, 5250.0, 5515.0, 5512.0, 5275.0, 5505.0, 5682.0, 5510.0, 5424.0, 5692.0, 5569.0, 5314.0, 5261.0, 5429.0, 5534.0, 5592.0 (number of hits: 6)
16	5290	9	1	333	1	5583.0, 5316.0, 5574.0, 5425.0, 5465.0, 5415.0, 5671.0, 5538.0, 5331.0, 5491.0, 5322.0, 5522.0, 5365.0, 5369.0, 5317.0, 5644.0, 5295.0, 5479.0, 5287.0, 5343.0, 5422.0, 5580.0, 5391.0, 5279.0, 5327.0, 5482.0, 5656.0, 5535.0, 5267.0, 5445.0, 5354.0, 5655.0, 5557.0, 5265.0, 5505.0, 5613.0, 5651.0, 5292.0, 5389.0, 5660.0, 5281.0, 5571.0, 5537.0, 5495.0, 5717.0, 5667.0, 5443.0, 5578.0, 5350.0, 5549.0, 5413.0, 5524.0, 5520.0, 5629.0, 5640.0, 5620.0, 5553.0, 5590.0, 5552.0, 5448.0, 5450.0, 5490.0, 5441.0, 5257.0, 5468.0, 5635.0, 5497.0, 5692.0, 5471.0, 5344.0, 5577.0, 5596.0, 5277.0, 5286.0, 5424.0, 5418.0, 5466.0, 5707.0, 5690.0, 5702.0, 5531.0, 5342.0, 5603.0, 5306.0, 5435.0, 5370.0, 5258.0, 5270.0, 5683.0, 5506.0, 5492.0, 5610.0, 5632.0, 5516.0, 5378.0, 5619.0, 5622.0, 5681.0, 5261.0, 5298.0 (number of hits: 6)
17	5290	9	1	333	1	5592.0, 5510.0, 5307.0, 5639.0, 5547.0, 5432.0, 5361.0, 5568.0, 5478.0, 5646.0, 5362.0, 5345.0, 5598.0, 5259.0, 5652.0, 5491.0, 5398.0, 5471.0, 5299.0, 5282.0, 5277.0, 5473.0, 5680.0, 5420.0, 5644.0, 5375.0, 5703.0, 5395.0, 5402.0, 5512.0, 5334.0, 5392.0, 5435.0, 5689.0, 5697.0, 5593.0, 5716.0, 5342.0, 5637.0, 5663.0, 5396.0, 5315.0, 5542.0, 5258.0, 5447.0, 5448.0, 5578.0, 5659.0, 5425.0, 5522.0, 5404.0, 5714.0, 5496.0, 5440.0, 5386.0, 5408.0, 5604.0, 5704.0, 5309.0, 5615.0, 5469.0, 5573.0, 5651.0, 5257.0, 5600.0, 5379.0, 5617.0, 5351.0, 5649.0, 5564.0, 5261.0, 5461.0, 5267.0, 5587.0, 5613.0, 5429.0, 5706.0, 5674.0, 5518.0, 5541.0, 5647.0, 5638.0, 5503.0, 5406.0, 5524.0, 5672.0, 5422.0, 5451.0, 5544.0, 5467.0, 5631.0, 5621.0, 5715.0, 5673.0, 5504.0, 5489.0,

						5454.0, 5582.0, 5483.0, 5389.0 (number of hits: 3)
18	5290	9	1	333	1	5319.0, 5446.0, 5359.0, 5434.0, 5482.0, 5695.0, 5352.0, 5387.0, 5277.0, 5649.0, 5316.0, 5490.0, 5254.0, 5364.0, 5633.0, 5414.0, 5305.0, 5264.0, 5388.0, 5272.0, 5628.0, 5644.0, 5453.0, 5655.0, 5698.0, 5365.0, 5301.0, 5348.0, 5252.0, 5583.0, 5439.0, 5615.0, 5250.0, 5432.0, 5486.0, 5419.0, 5530.0, 5561.0, 5257.0, 5563.0, 5396.0, 5668.0, 5447.0, 5525.0, 5351.0, 5511.0, 5412.0, 5717.0, 5626.0, 5270.0, 5299.0, 5493.0, 5292.0, 5376.0, 5337.0, 5603.0, 5287.0, 5705.0, 5686.0, 5343.0, 5595.0, 5303.0, 5394.0, 5402.0, 5415.0, 5600.0, 5288.0, 5690.0, 5515.0, 5390.0, 5268.0, 5580.0, 5502.0, 5398.0, 5284.0, 5672.0, 5495.0, 5315.0, 5310.0, 5586.0, 5311.0, 5370.0, 5380.0, 5674.0, 5451.0, 5702.0, 5638.0, 5499.0, 5409.0, 5651.0, 5477.0, 5517.0, 5289.0, 5459.0, 5291.0, 5681.0, 5556.0, 5578.0, 5684.0, 5689.0 (number of hits: 11)
19	5290	9	1	333	1	5723.0, 5339.0, 5377.0, 5256.0, 5632.0, 5580.0, 5396.0, 5327.0, 5422.0, 5628.0, 5291.0, 5669.0, 5613.0, 5481.0, 5366.0, 5535.0, 5688.0, 5304.0, 5616.0, 5513.0, 5351.0, 5251.0, 5254.0, 5318.0, 5323.0, 5496.0, 5300.0, 5272.0, 5629.0, 5622.0, 5391.0, 5340.0, 5342.0, 5343.0, 5588.0, 5701.0, 5316.0, 5681.0, 5266.0, 5435.0, 5288.0, 5719.0, 5559.0, 5660.0, 5283.0, 5495.0, 5695.0, 5301.0, 5344.0, 5268.0, 5515.0, 5345.0, 5592.0, 5303.0, 5456.0, 5467.0, 5540.0, 5659.0, 5507.0, 5418.0, 5364.0, 5346.0, 5641.0, 5690.0, 5450.0, 5341.0, 5692.0, 5458.0, 5433.0, 5393.0, 5274.0, 5612.0, 5596.0, 5276.0, 5593.0, 5575.0, 5597.0, 5499.0, 5317.0, 5394.0, 5700.0, 5532.0, 5371.0, 5531.0, 5606.0, 5670.0, 5648.0, 5460.0, 5703.0, 5454.0, 5411.0, 5442.0, 5407.0, 5678.0, 5652.0, 5526.0, 5566.0, 5564.0, 5380.0, 5684.0 (number of hits: 6)
20	5290	9	1	333	1	5441.0, 5640.0, 5688.0, 5435.0, 5442.0, 5500.0, 5554.0, 5677.0, 5252.0, 5364.0, 5623.0, 5478.0, 5635.0, 5480.0, 5359.0, 5605.0, 5326.0, 5667.0, 5305.0, 5379.0, 5336.0, 5451.0, 5395.0, 5575.0, 5355.0, 5573.0, 5456.0, 5686.0, 5279.0, 5549.0, 5724.0, 5661.0, 5494.0, 5641.0, 5696.0, 5308.0, 5691.0, 5614.0, 5422.0, 5550.0, 5619.0, 5639.0, 5445.0, 5528.0, 5563.0, 5283.0, 5571.0, 5334.0, 5626.0, 5438.0, 5591.0, 5570.0, 5631.0, 5617.0, 5280.0, 5381.0, 5572.0, 5372.0, 5432.0, 5288.0, 5302.0, 5561.0, 5272.0, 5277.0, 5419.0, 5479.0, 5489.0, 5597.0, 5261.0, 5327.0, 5318.0, 5430.0, 5522.0, 5707.0, 5433.0, 5310.0, 5559.0, 5459.0, 5599.0, 5625.0, 5557.0, 5600.0, 5654.0, 5580.0, 5608.0, 5495.0, 5497.0, 5373.0, 5385.0, 5499.0, 5306.0, 5377.0, 5332.0, 5674.0, 5388.0, 5462.0, 5397.0, 5361.0, 5496.0, 5577.0 (number of hits: 6)
21	5290	9	1	333	1	5365.0, 5438.0, 5689.0, 5722.0, 5523.0, 5310.0, 5650.0, 5303.0, 5545.0, 5253.0, 5697.0, 5528.0, 5387.0, 5529.0, 5343.0, 5263.0, 5327.0, 5466.0, 5333.0, 5533.0, 5561.0, 5526.0, 5301.0, 5640.0, 5694.0, 5392.0, 5357.0, 5716.0, 5574.0, 5406.0, 5656.0, 5626.0, 5550.0, 5652.0, 5290.0, 5543.0,

						5298.0, 5713.0, 5307.0, 5344.0, 5419.0, 5287.0, 5622.0, 5673.0, 5317.0, 5481.0, 5476.0, 5326.0, 5318.0, 5474.0, 5270.0, 5551.0, 5277.0, 5289.0, 5703.0, 5462.0, 5295.0, 5281.0, 5685.0, 5366.0, 5369.0, 5471.0, 5637.0, 5402.0, 5445.0, 5364.0, 5675.0, 5643.0, 5597.0, 5619.0, 5401.0, 5267.0, 5329.0, 5589.0, 5491.0, 5421.0, 5606.0, 5569.0, 5396.0, 5378.0, 5568.0, 5400.0, 5711.0, 5500.0, 5524.0, 5591.0, 5498.0, 5570.0, 5671.0, 5261.0, 5410.0, 5617.0, 5556.0, 5564.0, 5399.0, 5712.0, 5615.0, 5255.0, 5324.0, 5251.0 (number of hits: 9)
22	5290	9	1	333	1	5698.0, 5388.0, 5264.0, 5310.0, 5690.0, 5713.0, 5594.0, 5676.0, 5630.0, 5702.0, 5384.0, 5340.0, 5358.0, 5334.0, 5585.0, 5361.0, 5618.0, 5685.0, 5518.0, 5300.0, 5694.0, 5295.0, 5398.0, 5473.0, 5628.0, 5294.0, 5545.0, 5442.0, 5392.0, 5415.0, 5339.0, 5450.0, 5374.0, 5506.0, 5596.0, 5584.0, 5259.0, 5252.0, 5268.0, 5461.0, 5297.0, 5664.0, 5576.0, 5368.0, 5486.0, 5611.0, 5571.0, 5527.0, 5614.0, 5281.0, 5433.0, 5463.0, 5332.0, 5298.0, 5412.0, 5500.0, 5504.0, 5563.0, 5280.0, 5416.0, 5338.0, 5507.0, 5378.0, 5429.0, 5539.0, 5589.0, 5538.0, 5354.0, 5719.0, 5422.0, 5326.0, 5365.0, 5393.0, 5279.0, 5330.0, 5260.0, 5704.0, 5436.0, 5598.0, 5605.0, 5455.0, 5290.0, 5438.0, 5683.0, 5408.0, 5444.0, 5612.0, 5306.0, 5645.0, 5528.0, 5669.0, 5360.0, 5679.0, 5377.0, 5382.0, 5517.0, 5559.0, 5314.0, 5503.0, 5660.0 (number of hits: 9)
23	5290	9	1	333	1	5273.0, 5582.0, 5593.0, 5333.0, 5581.0, 5527.0, 5462.0, 5436.0, 5485.0, 5564.0, 5475.0, 5328.0, 5612.0, 5301.0, 5578.0, 5547.0, 5502.0, 5517.0, 5553.0, 5486.0, 5355.0, 5575.0, 5510.0, 5611.0, 5636.0, 5424.0, 5334.0, 5303.0, 5422.0, 5552.0, 5385.0, 5341.0, 5604.0, 5526.0, 5407.0, 5289.0, 5433.0, 5371.0, 5721.0, 5621.0, 5561.0, 5685.0, 5340.0, 5491.0, 5659.0, 5550.0, 5504.0, 5254.0, 5285.0, 5590.0, 5689.0, 5656.0, 5441.0, 5675.0, 5459.0, 5255.0, 5658.0, 5378.0, 5426.0, 5615.0, 5716.0, 5536.0, 5674.0, 5509.0, 5447.0, 5622.0, 5696.0, 5306.0, 5641.0, 5419.0, 5420.0, 5719.0, 5351.0, 5344.0, 5457.0, 5471.0, 5390.0, 5313.0, 5294.0, 5472.0, 5425.0, 5532.0, 5589.0, 5661.0, 5703.0, 5701.0, 5410.0, 5279.0, 5448.0, 5640.0, 5668.0, 5653.0, 5495.0, 5706.0, 5359.0, 5275.0, 5482.0, 5468.0, 5657.0, 5620.0 (number of hits: 7)
24	5290	9	1	333	1	5662.0, 5282.0, 5702.0, 5704.0, 5654.0, 5633.0, 5563.0, 5669.0, 5493.0, 5639.0, 5409.0, 5626.0, 5528.0, 5623.0, 5494.0, 5722.0, 5319.0, 5700.0, 5377.0, 5604.0, 5684.0, 5679.0, 5698.0, 5646.0, 5543.0, 5470.0, 5628.0, 5602.0, 5660.0, 5474.0, 5256.0, 5421.0, 5435.0, 5585.0, 5481.0, 5269.0, 5609.0, 5365.0, 5331.0, 5490.0, 5347.0, 5262.0, 5632.0, 5530.0, 5529.0, 5612.0, 5314.0, 5580.0, 5420.0, 5372.0, 5303.0, 5645.0, 5667.0, 5368.0, 5410.0, 5393.0, 5671.0, 5476.0, 5514.0, 5550.0, 5482.0, 5673.0, 5631.0, 5562.0, 5442.0, 5253.0, 5525.0, 5356.0, 5350.0, 5449.0, 5354.0, 5706.0, 5395.0, 5642.0, 5294.0, 5325.0, 5320.0, 5333.0, 5708.0, 5450.0, 5487.0, 5677.0, 5321.0, 5635.0,

						5374.0, 5471.0, 5367.0, 5515.0, 5339.0, 5505.0, 5297.0, 5611.0, 5600.0, 5522.0, 5334.0, 5295.0, 5586.0, 5468.0, 5516.0, 5370.0 (number of hits: 5)
25	5290	9	1	333	1	5588.0, 5499.0, 5717.0, 5405.0, 5367.0, 5412.0, 5365.0, 5688.0, 5578.0, 5488.0, 5315.0, 5454.0, 5647.0, 5550.0, 5592.0, 5264.0, 5685.0, 5359.0, 5472.0, 5579.0, 5394.0, 5484.0, 5645.0, 5481.0, 5286.0, 5353.0, 5428.0, 5524.0, 5345.0, 5464.0, 5561.0, 5372.0, 5410.0, 5533.0, 5357.0, 5508.0, 5594.0, 5595.0, 5366.0, 5638.0, 5442.0, 5319.0, 5438.0, 5663.0, 5291.0, 5409.0, 5351.0, 5600.0, 5558.0, 5342.0, 5611.0, 5280.0, 5343.0, 5401.0, 5462.0, 5599.0, 5703.0, 5516.0, 5698.0, 5363.0, 5466.0, 5416.0, 5334.0, 5525.0, 5637.0, 5377.0, 5692.0, 5473.0, 5368.0, 5287.0, 5572.0, 5434.0, 5564.0, 5567.0, 5584.0, 5324.0, 5702.0, 5476.0, 5650.0, 5544.0, 5530.0, 5339.0, 5392.0, 5552.0, 5446.0, 5527.0, 5374.0, 5338.0, 5283.0, 5445.0, 5347.0, 5573.0, 5500.0, 5355.0, 5316.0, 5596.0, 5569.0, 5301.0, 5581.0, 5479.0 (number of hits: 4)
26	5290	9	1	333	1	5630.0, 5569.0, 5486.0, 5397.0, 5438.0, 5635.0, 5322.0, 5504.0, 5551.0, 5618.0, 5601.0, 5345.0, 5639.0, 5616.0, 5511.0, 5690.0, 5423.0, 5374.0, 5466.0, 5678.0, 5390.0, 5292.0, 5596.0, 5256.0, 5682.0, 5642.0, 5651.0, 5420.0, 5432.0, 5342.0, 5509.0, 5377.0, 5627.0, 5488.0, 5417.0, 5557.0, 5489.0, 5291.0, 5268.0, 5281.0, 5614.0, 5722.0, 5300.0, 5360.0, 5567.0, 5594.0, 5487.0, 5503.0, 5310.0, 5376.0, 5312.0, 5330.0, 5274.0, 5654.0, 5271.0, 5523.0, 5400.0, 5664.0, 5582.0, 5526.0, 5552.0, 5294.0, 5721.0, 5653.0, 5369.0, 5695.0, 5471.0, 5680.0, 5550.0, 5407.0, 5251.0, 5388.0, 5636.0, 5597.0, 5715.0, 5359.0, 5328.0, 5525.0, 5698.0, 5570.0, 5484.0, 5387.0, 5375.0, 5650.0, 5332.0, 5361.0, 5689.0, 5480.0, 5333.0, 5350.0, 5449.0, 5628.0, 5657.0, 5264.0, 5609.0, 5566.0, 5674.0, 5280.0, 5472.0, 5605.0 (number of hits: 6)
27	5290	9	1	333	1	5509.0, 5651.0, 5594.0, 5618.0, 5347.0, 5275.0, 5658.0, 5336.0, 5722.0, 5702.0, 5631.0, 5519.0, 5306.0, 5713.0, 5510.0, 5663.0, 5386.0, 5610.0, 5559.0, 5632.0, 5567.0, 5528.0, 5298.0, 5500.0, 5396.0, 5547.0, 5449.0, 5394.0, 5530.0, 5666.0, 5538.0, 5717.0, 5427.0, 5430.0, 5711.0, 5290.0, 5283.0, 5360.0, 5640.0, 5474.0, 5609.0, 5377.0, 5635.0, 5481.0, 5302.0, 5688.0, 5668.0, 5611.0, 5495.0, 5313.0, 5310.0, 5345.0, 5457.0, 5573.0, 5710.0, 5721.0, 5434.0, 5645.0, 5374.0, 5252.0, 5484.0, 5716.0, 5387.0, 5267.0, 5384.0, 5503.0, 5566.0, 5613.0, 5339.0, 5714.0, 5600.0, 5514.0, 5462.0, 5416.0, 5697.0, 5670.0, 5397.0, 5410.0, 5271.0, 5455.0, 5527.0, 5286.0, 5281.0, 5314.0, 5665.0, 5371.0, 5490.0, 5648.0, 5389.0, 5356.0, 5625.0, 5672.0, 5372.0, 5473.0, 5657.0, 5460.0, 5466.0, 5537.0, 5563.0, 5400.0 (number of hits: 8)
28	5290	9	1	333	1	5431.0, 5499.0, 5557.0, 5380.0, 5647.0, 5460.0, 5312.0, 5506.0, 5578.0, 5545.0, 5569.0, 5593.0, 5369.0, 5510.0, 5514.0, 5440.0, 5332.0, 5329.0, 5465.0, 5640.0, 5467.0, 5601.0, 5533.0, 5423.0, 5650.0, 5718.0, 5366.0, 5488.0, 5699.0, 5483.0,

						5512.0, 5660.0, 5355.0, 5448.0, 5710.0, 5677.0, 5414.0, 5634.0, 5252.0, 5300.0, 5461.0, 5395.0, 5624.0, 5276.0, 5430.0, 5435.0, 5441.0, 5508.0, 5474.0, 5275.0, 5711.0, 5678.0, 5452.0, 5347.0, 5401.0, 5523.0, 5284.0, 5470.0, 5633.0, 5443.0, 5408.0, 5645.0, 5254.0, 5602.0, 5717.0, 5643.0, 5426.0, 5321.0, 5549.0, 5723.0, 5658.0, 5671.0, 5354.0, 5673.0, 5439.0, 5642.0, 5495.0, 5269.0, 5445.0, 5261.0, 5377.0, 5446.0, 5616.0, 5687.0, 5688.0, 5400.0, 5553.0, 5389.0, 5343.0, 5532.0, 5555.0, 5392.0, 5585.0, 5475.0, 5378.0, 5303.0, 5648.0, 5487.0, 5586.0, 5397.0 (number of hits: 3)
29	5290	9	1	333	1	5390.0, 5344.0, 5592.0, 5250.0, 5447.0, 5602.0, 5330.0, 5667.0, 5711.0, 5503.0, 5294.0, 5627.0, 5308.0, 5587.0, 5445.0, 5337.0, 5640.0, 5272.0, 5303.0, 5350.0, 5524.0, 5489.0, 5487.0, 5521.0, 5582.0, 5254.0, 5454.0, 5317.0, 5515.0, 5543.0, 5719.0, 5572.0, 5706.0, 5616.0, 5259.0, 5635.0, 5275.0, 5564.0, 5655.0, 5385.0, 5411.0, 5614.0, 5709.0, 5522.0, 5463.0, 5578.0, 5424.0, 5336.0, 5683.0, 5441.0, 5318.0, 5461.0, 5312.0, 5343.0, 5647.0, 5510.0, 5653.0, 5702.0, 5319.0, 5284.0, 5405.0, 5562.0, 5444.0, 5530.0, 5699.0, 5349.0, 5609.0, 5675.0, 5622.0, 5668.0, 5492.0, 5263.0, 5692.0, 5295.0, 5517.0, 5417.0, 5456.0, 5301.0, 5597.0, 5446.0, 5663.0, 5657.0, 5626.0, 5607.0, 5409.0, 5509.0, 5712.0, 5377.0, 5669.0, 5471.0, 5320.0, 5324.0, 5528.0, 5519.0, 5670.0, 5413.0, 5700.0, 5407.0, 5401.0, 5372.0 (number of hits: 6)
30	5290	9	1	333	1	5447.0, 5425.0, 5700.0, 5429.0, 5276.0, 5296.0, 5527.0, 5612.0, 5345.0, 5668.0, 5684.0, 5377.0, 5628.0, 5676.0, 5287.0, 5314.0, 5354.0, 5497.0, 5587.0, 5250.0, 5619.0, 5434.0, 5698.0, 5724.0, 5442.0, 5454.0, 5669.0, 5277.0, 5681.0, 5516.0, 5675.0, 5557.0, 5342.0, 5639.0, 5479.0, 5626.0, 5714.0, 5709.0, 5706.0, 5403.0, 5474.0, 5505.0, 5411.0, 5288.0, 5317.0, 5492.0, 5367.0, 5423.0, 5378.0, 5428.0, 5457.0, 5511.0, 5540.0, 5353.0, 5542.0, 5279.0, 5537.0, 5264.0, 5683.0, 5691.0, 5584.0, 5255.0, 5667.0, 5393.0, 5623.0, 5292.0, 5274.0, 5419.0, 5722.0, 5705.0, 5560.0, 5586.0, 5685.0, 5690.0, 5596.0, 5364.0, 5260.0, 5633.0, 5397.0, 5382.0, 5450.0, 5307.0, 5651.0, 5359.0, 5559.0, 5333.0, 5531.0, 5366.0, 5688.0, 5439.0, 5617.0, 5618.0, 5335.0, 5427.0, 5480.0, 5717.0, 5602.0, 5613.0, 5620.0, 5576.0 (number of hits: 6)

5530 MHz, 80 MHz Bandwidth

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

Please refer to the following statistical tables:

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

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	83	1	638	1
2	5530	76	1	698	1
3	5530	95	1	558	1
4	5530	61	1	878	1
5	5530	81	1	658	1
6	5530	59	1	898	1
7	5530	78	1	678	1
8	5530	65	1	818	1
9	5530	58	1	918	1
10	5530	62	1	858	1
11	5530	68	1	778	1
12	5530	74	1	718	1
13	5530	70	1	758	1
14	5530	86	1	618	1
15	5530	67	1	798	1
16	5530	24	1	2236	1
17	5530	100	1	530	1
18	5530	27	1	1960	1
19	5530	23	1	2356	1
20	5530	24	1	2264	1
21	5530	53	1	1000	1
22	5530	18	1	2986	1
23	5530	67	1	792	1
24	5530	18	1	2954	1
25	5530	30	1	1783	1
26	5530	39	1	1376	1
27	5530	30	1	1784	1
28	5530	36	1	1484	1
29	5530	22	1	2445	1
30	5530	47	1	1144	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	25	4.2	169	1
2	5530	24	4.3	230	1
3	5530	27	2.6	173	1
4	5530	29	1	224	1
5	5530	27	2.8	216	1
6	5530	29	4	170	1
7	5530	24	1.3	199	1
8	5530	26	3.9	207	1
9	5530	29	5	208	1
10	5530	24	4.7	225	1
11	5530	26	4.4	195	1
12	5530	24	3.6	188	1
13	5530	23	4.2	230	1
14	5530	25	2	160	1
15	5530	29	3.1	161	1
16	5530	29	3.6	196	1
17	5530	25	5	170	1
18	5530	27	3.9	182	1
19	5530	26	1	152	1
20	5530	24	2.8	229	1
21	5530	26	2	177	1
22	5530	26	2.2	195	1
23	5530	29	4.2	224	1
24	5530	27	3	204	1
25	5530	28	4.3	211	1
26	5530	26	3.3	196	1
27	5530	23	2.3	221	1
28	5530	27	1.9	197	1
29	5530	26	2.4	214	1
30	5530	27	1.9	150	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	18	7.3	351	1
2	5530	16	8.7	240	1
3	5530	18	6.5	480	1
4	5530	17	6.6	448	1
5	5530	16	9.1	253	1
6	5530	17	9.1	442	1
7	5530	18	8.9	242	1
8	5530	16	7.2	440	1
9	5530	17	9.3	470	1
10	5530	18	7.7	464	1
11	5530	18	6.1	215	1
12	5530	17	6.8	236	1
13	5530	16	6.1	208	1
14	5530	18	7.5	388	1
15	5530	18	9.5	404	1
16	5530	18	10	301	1
17	5530	16	9.9	477	1
18	5530	16	9.3	405	1
19	5530	16	7.4	449	1
20	5530	16	8.4	373	1
21	5530	17	7.7	262	1
22	5530	16	8.1	423	1
23	5530	17	6.8	284	1
24	5530	17	7.4	430	1
25	5530	18	8.7	255	1
26	5530	16	7.6	363	1
27	5530	16	6.2	250	1
28	5530	18	7.2	343	1
29	5530	16	6.8	492	1
30	5530	16	6.7	419	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	15	19.2	429	1
2	5530	13	12	462	1
3	5530	14	15.5	286	1
4	5530	15	20	275	1
5	5530	13	11.5	376	1
6	5530	12	15.1	394	1
7	5530	12	15.5	426	1
8	5530	16	17.1	456	1
9	5530	16	14.6	453	1
10	5530	14	14.3	295	1
11	5530	14	14.8	477	1
12	5530	12	11	239	1
13	5530	12	13.5	416	1
14	5530	16	11.9	415	1
15	5530	16	19.1	221	1
16	5530	13	12.3	472	1
17	5530	16	15.6	491	1
18	5530	12	13.4	451	1
19	5530	14	12.8	425	1
20	5530	12	12.6	204	1
21	5530	16	17.5	409	1
22	5530	15	18.8	460	1
23	5530	16	16.8	275	1
24	5530	14	14.2	433	1
25	5530	14	14.3	346	1
26	5530	16	17.2	425	1
27	5530	16	13.8	482	1
28	5530	16	16.6	495	1
29	5530	16	19	203	1
30	5530	15	17.3	479	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

CF=5525 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	8	81.6			0.729347	1
1	1	14	57.9			0.880324	
2	3	16	66.5	1679	1774	2.433319	
3	1	14	59.5			3.389785	
4	2	9	54.6	1840		3.505953	
5	2	17	65.6	1004		4.452564	
6	2	20	55.6	1472		5.300355	
7	1	17	90.9			6.34169	
8	2	18	66.2	1954		7.262608	
9	2	8	54.7	1936		8.46799	
10	2	12	61.3	1028		9.011883	
11	3	18	62.8	1464	1346	9.847447	
12	3	9	84.8	1153	1995	10.583195	
13	1	17	92.4			11.535149	

Bin5 Statistics 2

CF=5497 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	19	87.1	1917		0.462925	
1	2	6	55.7	1154		0.771367	
2	3	5	66.8	1906	1403	1.65014	
3	3	11	59.4	1647	1457	2.326194	
4	3	8	93.2	1569	1521	3.09523	
5	2	6	83.9	1411		3.626166	
6	2	13	60.8	1149		4.352272	
7	2	17	70.7	1468		5.57799	
8	2	20	75.7	1448		6.111838	1
9	1	19	62.9			6.699909	
10	3	19	50.2	1972	1789	7.211891	
11	2	8	99.6	1806		8.334289	
12	2	8	76	1779		8.977671	
13	1	15	79.1			9.438097	
14	3	9	71.9	1980	1640	10.187949	
15	2	11	50.1	1105		11.032613	
16	3	12	95.2	1935	1126	11.391543	

Bin5 Statistics 3

CF=5538 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	12	97.4	1109	1860	0.296011	
1	2	15	66.1	1041		1.065747	
2	3	12	52.1	1447	1796	1.880571	
3	3	7	92.9	1758	1089	1.980607	
4	2	17	54	1496		2.972736	
5	2	16	72.5	1635		3.447009	
6	2	9	61.9	1100		4.197845	
7	2	8	62.3	1053		4.660068	
8	3	7	72.4	1131	1449	5.166849	
9	3	11	54.5	1205	1800	5.892665	1
10	2	18	56.5	1046		6.626476	
11	1	14	73.6			7.035297	
12	2	19	58.6	1176		8.174307	
13	1	18	67.1			8.562396	
14	2	9	90.5	1838		9.393294	
15	2	18	83.2	1066		9.594523	
16	2	15	89	1068		10.402962	
17	3	7	72.6	1182	1173	11.205355	
18	1	20	79.8			11.641801	

Bin5 Statistics 4

CF=5540 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	5	58	1422		0.275892	1
1	1	17	68.6			1.61089	
2	2	15	60.6	1868		2.040643	
3	3	8	93.2	1023	1150	3.276481	
4	1	7	75.7			4.286248	
5	1	19	92.6			5.412906	
6	3	19	74.6	1690	1703	6.166996	
7	2	15	65	1526		6.595732	
8	3	9	51.2	1741	1618	8.082746	
9	1	19	56.2			8.388332	
10	3	16	73.6	1420	1259	9.646247	
11	2	6	98.2	1354		11.057942	
12	2	10	64.3	1564		11.65677	

Bin5 Statistics 5

CF=5567 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	79.3	1502		0.207383	1
1	2	13	62.9	1890		2.244192	
2	2	7	97.9	1260		3.975809	
3	2	7	72	1429		4.558597	
4	2	15	84.7	1776		7.174183	
5	1	12	93.5			8.160857	
6	2	19	73.3	1421		9.231882	
7	3	15	87.8	1591	1832	11.359509	

Bin5 Statistics 6

CF=5496 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	16	92.2	1343		0.749721	1
1	2	10	69.3	1832		1.634416	
2	3	11	56.3	1185	1452	2.75586	
3	1	10	91.9			3.956389	
4	2	11	95	1347		4.814171	
5	1	16	97.1			5.074816	
6	1	10	82.2			6.933882	
7	2	6	87	1389		7.90965	
8	3	5	63.9	1961	1307	8.724964	
9	2	11	74	1713		9.924029	
10	1	12	57.6			10.11731	
11	2	14	56.7	1777		11.093426	

Bin5 Statistics 7

CF=5519 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	16	65	1894		0.427797	1
1	3	10	72.3	1252	1066	1.645391	
2	2	16	61.6	1811		2.77877	
3	2	19	57.8	1405		4.308189	
4	2	7	50	1751		4.922437	
5	3	15	83.9	1233	1003	6.516567	
6	3	10	84.8	1358	1373	6.867719	
7	1	7	80.7			8.541718	
8	2	13	93.9	1552		9.578009	
9	2	10	58.8	1658		9.972287	
10	3	8	93.8	1418	1812	11.03672	

Bin5 Statistics 8

CF=5507 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	18	61.7	1912		1.313278	
1	2	16	57.5	1059		2.247224	
2	2	17	88.9	1443		3.023837	
3	1	12	69.4			4.080912	
4	3	14	86.5	1879	1538	6.346406	1
5	1	17	81.3			7.524999	
6	1	15	75			8.677428	
7	2	9	99.2	1683		10.588552	
8	3	5	79.7	1154	1607	11.167476	

Bin5 Statistics 9

CF=5558 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	19	67.4	1386		0.168265	
1	2	10	86	1729		1.154082	
2	1	10	73.5			1.917063	
3	3	11	56.9	1870	1266	2.772947	
4	1	7	72.2			3.665871	
5	2	17	94.8	1603		4.734513	
6	2	20	79.7	1961		5.115191	
7	1	19	94.6			5.902483	1
8	2	16	87.1	1132		6.798673	
9	2	12	81.1	1981		7.382415	
10	1	15	81.3			8.108787	
11	2	17	78.3	1321		9.024559	
12	3	7	93.9	1355	1936	10.044645	
13	2	13	81.8	1174		10.525874	
14	2	6	88.7	1206		11.565819	

Bin5 Statistics 10

CF=5566 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	8	94.5	1536	1203	0.054815	1
1	1	12	53.6			1.417311	
2	3	9	85.1	1190	1457	2.501983	
3	1	8	70.5			4.538002	
4	1	18	79.5			5.578859	
5	2	17	91.4	1885		6.988117	
6	1	17	96.3			8.094481	
7	1	12	64.7			8.74489	
8	1	16	92.9			10.735295	
9	1	15	88.9			11.653967	

Bin5 Statistics 11

CF=5547 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	56.1	1123		0.473852	1
1	3	19	93.1	1453	1255	1.269613	
2	1	18	66.4			1.727159	
3	1	17	59.5			2.773652	
4	2	20	89.6	1798		3.361327	
5	2	5	51.9	1453		4.733256	
6	1	11	71.1			5.084606	
7	3	8	67	1209	1037	5.686189	
8	2	11	91.8	1573		6.940501	
9	1	7	57.2			7.570196	
10	1	19	75			8.324516	
11	1	19	59.4			8.906809	
12	2	14	81.8	1800		10.383506	
13	3	12	77.7	1808	1453	10.451306	
14	2	14	62.5	1542		11.498949	

Bin5 Statistics 12

CF=5499 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	12	63.5	1124		0.346799	1
1	2	8	97.3	1451		0.974559	
2	1	6	76.6			1.3793	
3	2	16	75.3	1101		2.240439	
4	3	8	77	1882	1140	2.486879	
5	1	11	72.3			3.357596	
6	2	19	94.2	1081		3.679584	
7	2	14	95.8	1655		4.448908	
8	2	8	67.5	1080		5.149334	
9	2	14	57.5	1295		5.815665	
10	1	19	60.1			6.589987	
11	1	17	99.7			7.131462	
12	2	9	64.2	1786		7.657138	
13	2	15	62.7	1517		7.900722	
14	2	10	63.2	1227		8.715436	
15	2	9	70.3	1045		9.0331	
16	2	15	87.7	1696		9.944189	
17	3	14	83.2	1471	1097	10.425026	
18	3	9	51.2	1489	1405	11.059744	
19	1	16	70.4			11.685043	

Bin5 Statistics 13

CF=5537 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	7	85.9	1361	1818	0.82806	1
1	1	18	60.8			1.698539	
2	3	8	63.7	1941	1305	2.959276	
3	3	17	52.3	1786	1389	3.283112	
4	2	9	64.4	1864		4.858425	
5	1	7	68.1			5.061149	
6	2	7	71.2	1614		6.162241	
7	2	9	54.1	1815		7.882856	
8	2	11	76.5	1137		8.403545	
9	1	7	100			9.616707	
10	2	13	95	1218		10.090031	
11	2	6	66.8	1977		11.373796	

Bin5 Statistics 14

CF=5542 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	18	89			0.846771	1
1	2	11	58.1	1882		1.829268	
2	1	12	81.4			2.463469	
3	2	7	90.5	1641		3.639477	
4	2	11	99.8	1320		4.474224	
5	1	15	76.9			4.950312	
6	2	12	71.3	1878		5.684716	
7	1	13	84.4			6.844472	
8	3	18	71.9	1640	1643	7.734336	
9	2	14	86.3	1953		8.3344	
10	2	7	92.1	1840		9.46742	
11	2	13	97.7	1308		10.313128	
12	3	14	62	1136	1675	11.646892	

Bin5 Statistics 15

CF=5533 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	88			0.155991	
1	3	6	66.6	1171	1621	1.473331	
2	1	8	61.3			1.607268	
3	3	6	62.5	1378	1183	2.410945	
4	2	10	56	1364		3.840081	
5	3	6	83.7	1325	1105	4.478426	
6	3	14	65.3	1644	1062	5.216302	
7	1	7	59.9			6.273186	1
8	1	12	70.9			7.139776	
9	1	12	70.9			7.72605	
10	3	15	77.7	1819	1061	8.243094	
11	1	18	99.6			9.485333	
12	3	17	64.9	1034	1227	9.959339	
13	3	10	99.2	1002	1075	10.775308	
14	2	10	63.2	1383		11.987295	

Bin5 Statistics 16

CF=5510 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	63.9			0.324871	
1	1	11	68.3			1.822779	
2	2	16	96.3	1938		2.684463	
3	2	18	72.1	1982		3.572855	
4	2	19	92.8	1404		4.523502	
5	2	17	60.2	1713		5.0086	
6	3	11	78.9	1177	1006	5.988509	1
7	1	13	71			7.019885	
8	2	18	83.1	1351		8.173645	
9	2	13	72.7	1562		9.133484	
10	3	16	87.1	1075	1417	9.708367	
11	2	14	97.1	1554		10.308894	
12	3	7	62.7	1613	1689	11.580529	

Bin5 Statistics 17

CF=5522 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	10	96.4	1025	1347	0.171624	1
1	1	12	78.4			1.551677	
2	1	9	87			2.186633	
3	3	11	82.7	1899	1133	4.126653	
4	2	12	67.5	1746		5.310034	
5	1	9	56.3			5.66569	
6	2	16	54.7	1545		7.390278	
7	2	10	50.4	1853		7.901669	
8	2	14	55.6	1646		8.782287	
9	3	11	64.2	1337	1062	10.00199	
10	2	17	86.1	1026		11.468441	

Bin5 Statistics 18

CF=5545 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	16	56.4	1060		0.522072	1
1	1	12	57.6			0.620185	
2	1	12	94.8			1.770768	
3	2	11	97.4	1295		2.326439	
4	3	5	89.5	1541	1788	2.785004	
5	3	6	93.3	1311	1276	3.022823	
6	2	16	69.8	1951		4.037759	
7	2	17	72.4	1716		4.610573	
8	3	10	93.5	1131	1741	5.238124	
9	3	17	98.1	1838	1405	5.943466	
10	2	16	57.8	1672		6.360331	
11	2	9	73.3	1043		6.611904	
12	2	16	77	1117		7.285491	
13	2	14	64	1320		7.979041	
14	1	16	62.1			8.506081	
15	2	20	54.9	1980		9.029524	
16	3	17	51.5	1818	1925	10.028317	
17	2	17	81.1	1215		10.567858	
18	1	11	74.4			11.314312	
19	3	7	86.3	1222	1132	11.945368	

Bin5 Statistics 19

CF=5561 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	19	57.7	1498		0.044239	1
1	2	20	81.2	1403		1.292357	
2	1	6	78.4			2.19091	
3	2	13	98.1	1357		2.348047	
4	2	19	53.7	1428		3.092451	
5	2	7	85.5	1051		4.103331	
6	2	19	97.8	1748		4.60168	
7	2	18	99.4	1938		5.348306	
8	2	14	96.1	1551		6.467287	
9	2	16	52.7	1021		6.812815	
10	1	15	80			8.170022	
11	2	9	72	1090		8.702296	
12	2	18	90.2	1292		9.070884	
13	3	13	51	1538	1790	9.796837	
14	1	17	50.6			10.981347	
15	2	9	71.3	1243		11.835625	

Bin5 Statistics 20

CF=5552MHz

Trial #	Pulse	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	85.1			0.338201	1
1	2	16	73.9	1002		1.876466	
2	2	10	84.8	1835		2.069591	
3	3	18	96.7	1708	1102	3.710355	
4	2	11	98.6	1057		4.981697	
5	2	7	63.7	1806		5.355212	
6	3	16	78.9	1775	1319	6.422752	
7	3	6	62.5	1810	1571	7.835605	
8	1	14	82.2			8.334261	
9	2	13	72.4	1167		9.252631	
10	2	17	65.8	1779		10.347848	
11	2	17	60.2	1968		11.383674	

Bin5 Statistics 21

CF=5507 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	15	80.9	1174	1932	0.297417	1
1	2	17	63.5	1949		1.205759	
2	1	8	51			1.925219	
3	3	15	52.1	1120	1143	2.635131	
4	1	11	52.7			3.214572	
5	2	14	79	1251		3.696292	
6	2	15	90.2	1458		4.254467	
7	2	13	56.6	1231		5.211445	
8	1	12	88.7			5.794745	
9	2	17	75.4	1405		6.200397	
10	2	19	72.9	1677		6.731293	
11	3	8	97.9	1021	1057	7.593601	
12	3	12	80.6	1683	1672	8.247342	
13	1	9	90.3			9.28831	
14	3	5	93.5	1291	1509	9.786203	
15	1	13	67.7			10.092985	
16	1	10	55.7			11.086406	
17	2	11	82.7	1602		11.768788	

Bin5 Statistics 22

CF=5519 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	20	76.1			0.788205	1
1	3	5	58.7	1226	1099	1.528453	
2	3	7	90.2	1128	1595	2.707027	
3	2	11	99.1	1366		3.531125	
4	3	17	61.1	1426	1622	4.561994	
5	2	13	60.4	1697		4.650563	
6	3	10	85.3	1403	1692	6.314514	
7	2	11	61.7	1383		6.482583	
8	3	10	84.9	1517	1282	7.413955	
9	2	13	97.3	1991		9.223464	
10	2	19	62.4	1131		9.298488	
11	1	17	79.6			11.051223	
12	3	12	52.5	1286	1929	11.371879	

Bin5 Statistics 23

CF=5539 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	67.8	1285	1398	0.53486	1
1	2	11	94.3	1320		1.851813	
2	2	18	64.9	1669		2.466774	
3	2	6	84.6	1013		3.803255	
4	3	20	95.3	1936	1007	4.966377	
5	2	20	89.3	1334		6.163652	
6	3	18	60.1	1838	1581	8.262637	
7	2	15	51.7	1163		9.157075	
8	1	18	69.7			9.85233	
9	3	17	96.5	1657	1877	11.969403	

Bin5 Statistics 24

CF=5521 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	7	96.5	1631		0.53367	1
1	2	15	96.5	1052		1.062079	
2	3	19	51.2	1726	1219	1.688609	
3	2	8	98.4	1532		2.620594	
4	1	9	99.9			2.97179	
5	1	14	86.5			3.46083	
6	3	11	55.4	1396	1124	4.620404	
7	1	13	50.6			5.109887	
8	1	20	64.8			5.691512	
9	1	18	94			6.328724	
10	2	14	97.4	1362		6.829706	
11	2	16	63.7	1427		7.536709	
12	1	7	85.1			8.601994	
13	2	9	67.1	1195		8.971219	
14	2	18	60.2	1772		9.610066	
15	3	18	81.8	1126	1056	10.290931	
16	3	8	77.2	1949	1684	11.257408	
17	2	19	56.5	1253		11.389431	

Bin5 Statistics 25

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	2	20	97.2	1029		0.691557	1
1	2	14	89.7	1580		1.414308	
2	2	19	88.6	1746		2.034767	
3	2	13	99.9	1542		3.644582	
4	2	17	98.4	1875		4.566621	
5	3	6	78.7	1069	1879	4.95481	
6	2	15	60.4	1523		6.361507	
7	3	18	65.1	1186	1112	7.100169	
8	2	15	67.1	1208		8.127938	
9	1	20	62.5			8.787548	
10	2	15	87.2	1134		10.106494	
11	1	11	74.4			10.176175	
12	1	8	89.9			11.681292	

Bin5 Statistics 26

CF=5533 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	94.9			0.904347	1
1	3	13	67.9	1584	1747	1.506101	
2	2	5	70.4	1308		3.994521	
3	2	19	71.2	1714		4.279616	
4	1	13	85.1			6.473998	
5	2	16	90	1653		7.577929	
6	3	10	60.9	1185	1484	8.638616	
7	3	7	84.7	1101	1635	10.162741	
8	2	11	53.1	1112		11.152504	

Bin5 Statistics 27

CF=5496 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	18	87	1776		0.343614	1
1	2	9	82.8	1286		2.799868	
2	1	16	73.4			3.705714	
3	1	5	51.9			5.500115	
4	2	13	88.2	1256		6.196227	
5	3	11	94.2	1472	1413	7.739758	
6	1	18	87.3			10.113423	
7	2	12	97.8	1079		11.880869	

Bin5 Statistics 28

CF=5517 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	9	68.3			0.298557	1
1	1	8	70.3			1.40745	
2	2	16	70.1	1601		3.124478	
3	3	15	55.7	1018	1304	4.833682	
4	2	7	98.9	1836		5.908904	
5	2	15	88.9	1361		6.921338	
6	3	8	85.9	1177	1741	8.172668	
7	2	17	90.8	1207		10.037459	
8	1	19	99.3			11.257963	

Bin5 Statistics 29

CF=5520 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	15	99.2	1396		0.178404	1
1	2	20	68.5	1371		1.52775	
2	2	9	66.1	1602		2.567596	
3	3	17	99.7	1575	1164	3.086497	
4	3	19	64.5	1308	1829	3.825066	
5	1	12	99.9			4.97539	
6	1	10	89.6			6.170106	
7	3	7	62	1552	1262	6.895427	
8	1	14	99.5			7.758464	
9	2	9	92.7	1971		8.362565	
10	3	15	67.4	1238	1532	9.671424	
11	2	19	77.1	1065		10.243819	
12	3	5	83.1	1565	1566	11.991003	

Bin5 Statistics 30

CF=5511 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	19	61.3	1757	1512	0.572127	1
1	2	7	74.7	1465		0.821741	
2	1	16	61.8			2.222168	
3	1	17	85.3			2.45764	
4	1	17	87.3			3.691102	
5	2	11	68.5	1872		3.903766	
6	2	12	96	1317		4.829853	
7	1	7	56			5.260596	
8	2	9	78.9	1278		6.691126	
9	1	20	63.5			7.126168	
10	2	6	94.2	1334		7.69482	
11	2	19	51.1	1506		8.31874	
12	3	9	99.6	1775	1453	9.638538	
13	2	18	72.3	1399		9.93272	
14	2	9	96	1401		11.032199	
15	3	11	72.6	1502	1461	11.861055	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530	9	1	333	1	5448.0, 5531.0, 5251.0, 5393.0, 5685.0, 5577.0, 5658.0, 5348.0, 5398.0, 5449.0, 5596.0, 5567.0, 5346.0, 5390.0, 5635.0, 5314.0, 5454.0, 5680.0, 5573.0, 5333.0, 5485.0, 5461.0, 5456.0, 5279.0, 5418.0, 5642.0, 5627.0, 5717.0, 5400.0, 5285.0, 5690.0, 5268.0, 5652.0, 5720.0, 5636.0, 5688.0, 5616.0, 5599.0, 5260.0, 5483.0, 5499.0, 5665.0, 5701.0, 5396.0, 5588.0, 5702.0, 5266.0, 5374.0, 5281.0, 5320.0, 5300.0, 5549.0, 5601.0, 5645.0, 5476.0, 5352.0, 5661.0, 5439.0, 5673.0, 5666.0, 5472.0, 5674.0, 5397.0, 5623.0, 5267.0, 5565.0, 5541.0, 5408.0, 5705.0, 5634.0, 5431.0, 5586.0, 5611.0, 5332.0, 5619.0, 5310.0, 5378.0, 5264.0, 5392.0, 5657.0, 5271.0, 5497.0, 5668.0, 5643.0, 5686.0, 5451.0, 5654.0, 5715.0, 5687.0, 5298.0, 5455.0, 5625.0, 5675.0, 5648.0, 5399.0, 5421.0, 5653.0, 5707.0, 5275.0, 5345.0 (number of hits: 5)
2	5530	9	1	333	1	5691.0, 5459.0, 5418.0, 5595.0, 5558.0, 5375.0, 5438.0, 5315.0, 5553.0, 5275.0, 5264.0, 5466.0, 5412.0, 5493.0, 5332.0, 5427.0, 5649.0, 5571.0, 5568.0, 5326.0, 5529.0, 5385.0, 5393.0, 5267.0, 5423.0, 5261.0, 5285.0, 5606.0, 5387.0, 5331.0, 5668.0, 5279.0, 5383.0, 5678.0, 5695.0, 5365.0, 5413.0, 5344.0, 5282.0, 5470.0, 5680.0, 5522.0, 5658.0, 5302.0, 5297.0, 5615.0, 5675.0, 5256.0, 5448.0, 5431.0, 5603.0, 5409.0, 5392.0, 5640.0, 5311.0, 5316.0, 5597.0, 5653.0, 5632.0, 5662.0, 5320.0, 5366.0, 5380.0, 5480.0, 5525.0, 5508.0, 5600.0, 5280.0, 5665.0, 5684.0, 5561.0, 5634.0, 5699.0, 5334.0, 5616.0, 5722.0, 5372.0, 5333.0, 5638.0, 5432.0, 5455.0, 5681.0, 5314.0, 5532.0, 5693.0, 5462.0, 5417.0, 5425.0, 5667.0, 5262.0, 5317.0, 5388.0, 5442.0, 5580.0, 5703.0, 5456.0, 5618.0, 5574.0, 5420.0, 5400.0 (number of hits: 5)
3	5530	9	1	333	1	5525.0, 5316.0, 5459.0, 5564.0, 5389.0, 5683.0, 5473.0, 5261.0, 5501.0, 5629.0, 5331.0, 5492.0, 5295.0, 5486.0, 5665.0, 5555.0, 5572.0, 5343.0, 5350.0, 5265.0, 5308.0, 5301.0, 5370.0, 5655.0, 5368.0, 5627.0, 5511.0, 5429.0, 5498.0, 5580.0, 5515.0, 5334.0, 5679.0, 5366.0, 5313.0, 5512.0, 5280.0, 5530.0, 5293.0, 5556.0, 5393.0, 5310.0, 5392.0, 5514.0, 5278.0, 5502.0, 5542.0, 5451.0, 5430.0, 5547.0, 5253.0, 5505.0, 5609.0, 5419.0, 5710.0, 5325.0, 5329.0, 5497.0, 5255.0, 5560.0, 5381.0, 5658.0, 5681.0, 5704.0, 5702.0, 5466.0, 5425.0, 5355.0, 5605.0, 5475.0, 5371.0, 5568.0, 5678.0, 5327.0, 5534.0, 5646.0, 5286.0, 5406.0, 5270.0, 5360.0, 5326.0, 5287.0, 5487.0, 5573.0, 5590.0, 5411.0, 5516.0, 5391.0, 5395.0, 5645.0, 5537.0, 5641.0, 5662.0, 5553.0, 5420.0, 5621.0, 5256.0, 5321.0, 5444.0, 5644.0 (number of hits: 8)
4	5530	9	1	333	1	5359.0, 5519.0, 5293.0, 5651.0, 5443.0, 5430.0, 5464.0, 5679.0, 5573.0, 5628.0, 5497.0, 5481.0, 5594.0, 5462.0, 5354.0, 5529.0, 5648.0, 5718.0,

						5565.0, 5711.0, 5665.0, 5683.0, 5582.0, 5667.0, 5592.0, 5549.0, 5294.0, 5453.0, 5275.0, 5322.0, 5269.0, 5501.0, 5303.0, 5459.0, 5585.0, 5520.0, 5632.0, 5372.0, 5458.0, 5352.0, 5403.0, 5607.0, 5384.0, 5455.0, 5273.0, 5586.0, 5532.0, 5674.0, 5553.0, 5498.0, 5391.0, 5694.0, 5640.0, 5435.0, 5548.0, 5345.0, 5472.0, 5601.0, 5581.0, 5588.0, 5433.0, 5415.0, 5291.0, 5709.0, 5680.0, 5545.0, 5334.0, 5697.0, 5302.0, 5524.0, 5450.0, 5253.0, 5423.0, 5707.0, 5427.0, 5661.0, 5722.0, 5456.0, 5380.0, 5717.0, 5376.0, 5616.0, 5491.0, 5556.0, 5353.0, 5503.0, 5344.0, 5626.0, 5647.0, 5476.0, 5550.0, 5705.0, 5432.0, 5591.0, 5577.0, 5659.0, 5538.0, 5612.0, 5593.0, 5599.0 (number of hits: 5)
5	5530	9	1	333	1	5407.0, 5285.0, 5339.0, 5616.0, 5436.0, 5348.0, 5576.0, 5701.0, 5697.0, 5315.0, 5404.0, 5533.0, 5654.0, 5462.0, 5496.0, 5477.0, 5714.0, 5438.0, 5482.0, 5547.0, 5640.0, 5464.0, 5382.0, 5589.0, 5519.0, 5349.0, 5609.0, 5550.0, 5558.0, 5504.0, 5452.0, 5569.0, 5269.0, 5679.0, 5495.0, 5594.0, 5302.0, 5666.0, 5321.0, 5564.0, 5678.0, 5328.0, 5422.0, 5612.0, 5500.0, 5331.0, 5412.0, 5286.0, 5347.0, 5677.0, 5370.0, 5512.0, 5355.0, 5583.0, 5474.0, 5516.0, 5606.0, 5265.0, 5431.0, 5629.0, 5546.0, 5645.0, 5298.0, 5468.0, 5260.0, 5447.0, 5562.0, 5336.0, 5457.0, 5549.0, 5360.0, 5574.0, 5289.0, 5294.0, 5423.0, 5660.0, 5268.0, 5387.0, 5637.0, 5700.0, 5535.0, 5683.0, 5401.0, 5710.0, 5253.0, 5273.0, 5258.0, 5720.0, 5610.0, 5548.0, 5325.0, 5659.0, 5393.0, 5513.0, 5358.0, 5684.0, 5591.0, 5446.0, 5276.0, 5685.0 (number of hits: 6)
6	5530	9	1	333	1	5711.0, 5372.0, 5436.0, 5487.0, 5563.0, 5636.0, 5423.0, 5650.0, 5616.0, 5627.0, 5696.0, 5623.0, 5685.0, 5576.0, 5382.0, 5502.0, 5551.0, 5539.0, 5594.0, 5530.0, 5334.0, 5586.0, 5532.0, 5651.0, 5422.0, 5694.0, 5346.0, 5374.0, 5598.0, 5575.0, 5509.0, 5250.0, 5499.0, 5345.0, 5648.0, 5452.0, 5479.0, 5570.0, 5621.0, 5548.0, 5702.0, 5451.0, 5463.0, 5438.0, 5583.0, 5407.0, 5471.0, 5626.0, 5272.0, 5468.0, 5429.0, 5557.0, 5533.0, 5402.0, 5252.0, 5309.0, 5254.0, 5641.0, 5337.0, 5628.0, 5348.0, 5492.0, 5562.0, 5359.0, 5585.0, 5370.0, 5649.0, 5295.0, 5448.0, 5363.0, 5443.0, 5351.0, 5644.0, 5475.0, 5512.0, 5264.0, 5693.0, 5298.0, 5661.0, 5698.0, 5305.0, 5459.0, 5484.0, 5308.0, 5703.0, 5592.0, 5489.0, 5324.0, 5349.0, 5569.0, 5516.0, 5333.0, 5329.0, 5381.0, 5715.0, 5646.0, 5257.0, 5520.0, 5535.0, 5300.0 (number of hits: 6)
7	5530	9	1	333	1	5596.0, 5625.0, 5341.0, 5478.0, 5502.0, 5342.0, 5493.0, 5348.0, 5293.0, 5586.0, 5665.0, 5544.0, 5352.0, 5708.0, 5572.0, 5278.0, 5433.0, 5343.0, 5371.0, 5410.0, 5345.0, 5347.0, 5456.0, 5398.0, 5524.0, 5337.0, 5279.0, 5686.0, 5365.0, 5678.0, 5669.0, 5445.0, 5364.0, 5295.0, 5658.0, 5284.0, 5590.0, 5600.0, 5672.0, 5712.0, 5459.0, 5593.0, 5311.0, 5575.0, 5559.0, 5369.0, 5253.0, 5716.0, 5670.0, 5385.0, 5422.0, 5332.0, 5679.0, 5707.0, 5487.0, 5346.0, 5325.0, 5718.0, 5635.0, 5618.0, 5723.0, 5601.0, 5396.0, 5378.0, 5693.0, 5565.0,

						5643.0, 5488.0, 5498.0, 5539.0, 5547.0, 5614.0, 5660.0, 5701.0, 5258.0, 5616.0, 5355.0, 5402.0, 5379.0, 5585.0, 5450.0, 5497.0, 5441.0, 5505.0, 5291.0, 5334.0, 5282.0, 5628.0, 5714.0, 5504.0, 5467.0, 5602.0, 5542.0, 5517.0, 5477.0, 5359.0, 5395.0, 5675.0, 5319.0, 5349.0 (number of hits: 4)
8	5530	9	1	333	1	5578.0, 5328.0, 5610.0, 5719.0, 5416.0, 5438.0, 5640.0, 5723.0, 5393.0, 5339.0, 5351.0, 5685.0, 5556.0, 5367.0, 5410.0, 5636.0, 5513.0, 5309.0, 5604.0, 5531.0, 5630.0, 5650.0, 5552.0, 5284.0, 5267.0, 5631.0, 5435.0, 5269.0, 5579.0, 5422.0, 5532.0, 5392.0, 5526.0, 5461.0, 5666.0, 5436.0, 5709.0, 5430.0, 5585.0, 5293.0, 5616.0, 5601.0, 5642.0, 5447.0, 5527.0, 5696.0, 5487.0, 5550.0, 5279.0, 5483.0, 5457.0, 5482.0, 5700.0, 5611.0, 5542.0, 5632.0, 5549.0, 5477.0, 5386.0, 5287.0, 5266.0, 5595.0, 5597.0, 5544.0, 5454.0, 5280.0, 5374.0, 5303.0, 5485.0, 5390.0, 5546.0, 5663.0, 5676.0, 5625.0, 5591.0, 5677.0, 5270.0, 5633.0, 5686.0, 5437.0, 5389.0, 5353.0, 5695.0, 5715.0, 5708.0, 5523.0, 5711.0, 5606.0, 5619.0, 5268.0, 5668.0, 5693.0, 5404.0, 5469.0, 5674.0, 5627.0, 5417.0, 5273.0, 5662.0, 5285.0 (number of hits: 5)
9	5530	9	1	333	1	5261.0, 5552.0, 5344.0, 5648.0, 5500.0, 5488.0, 5654.0, 5556.0, 5507.0, 5440.0, 5290.0, 5336.0, 5270.0, 5527.0, 5446.0, 5665.0, 5698.0, 5697.0, 5642.0, 5582.0, 5653.0, 5324.0, 5520.0, 5508.0, 5362.0, 5511.0, 5467.0, 5638.0, 5401.0, 5663.0, 5305.0, 5275.0, 5451.0, 5623.0, 5307.0, 5606.0, 5469.0, 5345.0, 5350.0, 5272.0, 5619.0, 5303.0, 5262.0, 5464.0, 5565.0, 5482.0, 5636.0, 5503.0, 5268.0, 5537.0, 5544.0, 5693.0, 5551.0, 5436.0, 5380.0, 5545.0, 5635.0, 5589.0, 5611.0, 5419.0, 5372.0, 5251.0, 5368.0, 5577.0, 5538.0, 5705.0, 5553.0, 5557.0, 5431.0, 5437.0, 5316.0, 5573.0, 5327.0, 5616.0, 5296.0, 5555.0, 5629.0, 5294.0, 5514.0, 5394.0, 5323.0, 5363.0, 5684.0, 5273.0, 5687.0, 5672.0, 5643.0, 5259.0, 5534.0, 5353.0, 5450.0, 5378.0, 5281.0, 5699.0, 5418.0, 5260.0, 5340.0, 5254.0, 5325.0, 5366.0 (number of hits: 6)
10	5530	9	1	333	1	5368.0, 5435.0, 5639.0, 5451.0, 5439.0, 5493.0, 5442.0, 5464.0, 5654.0, 5398.0, 5599.0, 5547.0, 5584.0, 5275.0, 5391.0, 5509.0, 5699.0, 5308.0, 5337.0, 5379.0, 5575.0, 5298.0, 5264.0, 5690.0, 5544.0, 5644.0, 5627.0, 5570.0, 5333.0, 5569.0, 5395.0, 5315.0, 5648.0, 5408.0, 5296.0, 5325.0, 5542.0, 5251.0, 5430.0, 5579.0, 5341.0, 5304.0, 5587.0, 5405.0, 5362.0, 5718.0, 5610.0, 5440.0, 5563.0, 5402.0, 5367.0, 5697.0, 5363.0, 5586.0, 5638.0, 5449.0, 5458.0, 5572.0, 5688.0, 5531.0, 5353.0, 5549.0, 5664.0, 5687.0, 5433.0, 5250.0, 5528.0, 5453.0, 5323.0, 5497.0, 5519.0, 5416.0, 5366.0, 5344.0, 5499.0, 5324.0, 5384.0, 5496.0, 5399.0, 5512.0, 5711.0, 5254.0, 5322.0, 5475.0, 5503.0, 5331.0, 5390.0, 5348.0, 5516.0, 5557.0, 5345.0, 5513.0, 5617.0, 5712.0, 5299.0, 5457.0, 5555.0, 5258.0, 5375.0, 5444.0 (number of hits: 5)
11	5530	9	1	333	1	5269.0, 5466.0, 5393.0, 5634.0, 5284.0, 5480.0, 5370.0, 5424.0, 5664.0, 5646.0, 5531.0, 5388.0,

						5572.0, 5351.0, 5439.0, 5706.0, 5263.0, 5702.0, 5445.0, 5402.0, 5384.0, 5279.0, 5549.0, 5457.0, 5300.0, 5709.0, 5592.0, 5320.0, 5409.0, 5680.0, 5668.0, 5420.0, 5310.0, 5389.0, 5521.0, 5277.0, 5503.0, 5292.0, 5346.0, 5276.0, 5367.0, 5537.0, 5613.0, 5337.0, 5575.0, 5306.0, 5341.0, 5260.0, 5714.0, 5469.0, 5334.0, 5542.0, 5317.0, 5565.0, 5673.0, 5324.0, 5363.0, 5425.0, 5596.0, 5434.0, 5610.0, 5495.0, 5605.0, 5288.0, 5456.0, 5681.0, 5399.0, 5282.0, 5707.0, 5621.0, 5640.0, 5261.0, 5612.0, 5677.0, 5623.0, 5649.0, 5719.0, 5547.0, 5578.0, 5626.0, 5481.0, 5345.0, 5603.0, 5496.0, 5315.0, 5568.0, 5523.0, 5606.0, 5353.0, 5422.0, 5504.0, 5467.0, 5387.0, 5656.0, 5694.0, 5498.0, 5430.0, 5287.0, 5516.0, 5450.0 (number of hits: 6)
12	5530	9	1	333	1	5712.0, 5274.0, 5543.0, 5575.0, 5655.0, 5577.0, 5614.0, 5278.0, 5426.0, 5323.0, 5304.0, 5722.0, 5448.0, 5689.0, 5652.0, 5435.0, 5717.0, 5645.0, 5723.0, 5432.0, 5477.0, 5505.0, 5288.0, 5556.0, 5446.0, 5475.0, 5567.0, 5703.0, 5669.0, 5372.0, 5682.0, 5609.0, 5421.0, 5499.0, 5377.0, 5656.0, 5314.0, 5250.0, 5295.0, 5440.0, 5535.0, 5558.0, 5686.0, 5569.0, 5620.0, 5268.0, 5564.0, 5375.0, 5306.0, 5497.0, 5376.0, 5612.0, 5257.0, 5632.0, 5413.0, 5439.0, 5514.0, 5702.0, 5479.0, 5568.0, 5561.0, 5275.0, 5654.0, 5300.0, 5693.0, 5457.0, 5534.0, 5269.0, 5487.0, 5688.0, 5523.0, 5378.0, 5496.0, 5590.0, 5601.0, 5373.0, 5681.0, 5366.0, 5576.0, 5606.0, 5486.0, 5332.0, 5589.0, 5538.0, 5462.0, 5276.0, 5615.0, 5355.0, 5532.0, 5671.0, 5417.0, 5367.0, 5573.0, 5481.0, 5407.0, 5525.0, 5647.0, 5396.0, 5489.0, 5333.0 (number of hits: 6)
13	5530	9	1	333	1	5629.0, 5428.0, 5456.0, 5426.0, 5678.0, 5263.0, 5264.0, 5468.0, 5471.0, 5273.0, 5359.0, 5438.0, 5673.0, 5391.0, 5588.0, 5699.0, 5459.0, 5328.0, 5525.0, 5520.0, 5587.0, 5410.0, 5401.0, 5572.0, 5561.0, 5711.0, 5714.0, 5514.0, 5348.0, 5503.0, 5624.0, 5311.0, 5535.0, 5266.0, 5442.0, 5376.0, 5642.0, 5251.0, 5384.0, 5308.0, 5626.0, 5648.0, 5566.0, 5606.0, 5433.0, 5656.0, 5294.0, 5545.0, 5458.0, 5332.0, 5614.0, 5300.0, 5620.0, 5432.0, 5423.0, 5397.0, 5427.0, 5374.0, 5253.0, 5615.0, 5687.0, 5679.0, 5261.0, 5646.0, 5569.0, 5649.0, 5354.0, 5722.0, 5619.0, 5653.0, 5516.0, 5403.0, 5488.0, 5670.0, 5596.0, 5381.0, 5601.0, 5640.0, 5686.0, 5383.0, 5585.0, 5630.0, 5595.0, 5301.0, 5632.0, 5635.0, 5605.0, 5361.0, 5579.0, 5368.0, 5475.0, 5655.0, 5269.0, 5281.0, 5676.0, 5481.0, 5443.0, 5571.0, 5519.0, 5622.0 (number of hits: 5)
14	5530	9	1	333	1	5558.0, 5354.0, 5661.0, 5411.0, 5430.0, 5455.0, 5671.0, 5318.0, 5680.0, 5632.0, 5713.0, 5458.0, 5382.0, 5286.0, 5581.0, 5326.0, 5591.0, 5703.0, 5712.0, 5282.0, 5340.0, 5544.0, 5552.0, 5701.0, 5356.0, 5644.0, 5368.0, 5401.0, 5659.0, 5454.0, 5492.0, 5450.0, 5442.0, 5507.0, 5267.0, 5513.0, 5460.0, 5357.0, 5263.0, 5572.0, 5699.0, 5708.0, 5652.0, 5664.0, 5268.0, 5331.0, 5434.0, 5505.0, 5294.0, 5653.0, 5257.0, 5362.0, 5538.0, 5299.0, 5439.0, 5641.0, 5688.0, 5542.0, 5484.0, 5274.0,

						5497.0, 5269.0, 5590.0, 5316.0, 5327.0, 5367.0, 5502.0, 5609.0, 5570.0, 5635.0, 5474.0, 5494.0, 5694.0, 5706.0, 5381.0, 5503.0, 5612.0, 5283.0, 5426.0, 5514.0, 5413.0, 5539.0, 5379.0, 5628.0, 5536.0, 5677.0, 5402.0, 5422.0, 5371.0, 5270.0, 5547.0, 5569.0, 5308.0, 5705.0, 5622.0, 5687.0, 5526.0, 5684.0, 5465.0, 5672.0 (number of hits: 4)
15	5530	9	1	333	1	5329.0, 5674.0, 5376.0, 5556.0, 5307.0, 5308.0, 5530.0, 5686.0, 5409.0, 5699.0, 5622.0, 5658.0, 5486.0, 5585.0, 5541.0, 5696.0, 5690.0, 5449.0, 5259.0, 5507.0, 5280.0, 5399.0, 5336.0, 5586.0, 5526.0, 5457.0, 5331.0, 5514.0, 5636.0, 5672.0, 5580.0, 5476.0, 5509.0, 5588.0, 5431.0, 5270.0, 5682.0, 5720.0, 5499.0, 5614.0, 5391.0, 5317.0, 5361.0, 5421.0, 5441.0, 5640.0, 5528.0, 5340.0, 5712.0, 5610.0, 5666.0, 5704.0, 5612.0, 5338.0, 5319.0, 5305.0, 5292.0, 5406.0, 5582.0, 5291.0, 5368.0, 5550.0, 5487.0, 5267.0, 5353.0, 5552.0, 5628.0, 5563.0, 5420.0, 5495.0, 5445.0, 5379.0, 5611.0, 5490.0, 5467.0, 5312.0, 5330.0, 5381.0, 5532.0, 5548.0, 5474.0, 5565.0, 5538.0, 5360.0, 5412.0, 5688.0, 5364.0, 5657.0, 5546.0, 5700.0, 5523.0, 5544.0, 5633.0, 5442.0, 5418.0, 5722.0, 5263.0, 5493.0, 5320.0, 5709.0 (number of hits: 6)
16	5530	9	1	333	1	5351.0, 5326.0, 5502.0, 5252.0, 5422.0, 5298.0, 5355.0, 5323.0, 5672.0, 5390.0, 5352.0, 5448.0, 5679.0, 5652.0, 5273.0, 5332.0, 5471.0, 5518.0, 5521.0, 5640.0, 5470.0, 5267.0, 5573.0, 5720.0, 5702.0, 5426.0, 5708.0, 5437.0, 5529.0, 5658.0, 5576.0, 5321.0, 5458.0, 5365.0, 5328.0, 5596.0, 5259.0, 5542.0, 5325.0, 5563.0, 5441.0, 5701.0, 5485.0, 5713.0, 5705.0, 5555.0, 5369.0, 5607.0, 5373.0, 5344.0, 5314.0, 5512.0, 5372.0, 5654.0, 5433.0, 5483.0, 5572.0, 5719.0, 5651.0, 5587.0, 5621.0, 5415.0, 5285.0, 5472.0, 5294.0, 5582.0, 5400.0, 5339.0, 5559.0, 5509.0, 5378.0, 5272.0, 5583.0, 5473.0, 5284.0, 5408.0, 5682.0, 5487.0, 5282.0, 5394.0, 5692.0, 5516.0, 5392.0, 5633.0, 5315.0, 5391.0, 5508.0, 5452.0, 5552.0, 5406.0, 5469.0, 5382.0, 5674.0, 5681.0, 5707.0, 5567.0, 5357.0, 5439.0, 5665.0, 5541.0 (number of hits: 4)
17	5530	9	1	333	1	5708.0, 5522.0, 5605.0, 5681.0, 5383.0, 5543.0, 5426.0, 5620.0, 5596.0, 5622.0, 5600.0, 5608.0, 5500.0, 5553.0, 5428.0, 5398.0, 5650.0, 5331.0, 5589.0, 5569.0, 5384.0, 5645.0, 5468.0, 5688.0, 5303.0, 5389.0, 5675.0, 5544.0, 5518.0, 5344.0, 5660.0, 5251.0, 5439.0, 5457.0, 5529.0, 5554.0, 5719.0, 5429.0, 5339.0, 5349.0, 5411.0, 5257.0, 5407.0, 5279.0, 5412.0, 5614.0, 5351.0, 5603.0, 5511.0, 5254.0, 5477.0, 5654.0, 5365.0, 5625.0, 5577.0, 5538.0, 5505.0, 5480.0, 5323.0, 5624.0, 5691.0, 5353.0, 5578.0, 5452.0, 5435.0, 5487.0, 5694.0, 5319.0, 5634.0, 5557.0, 5255.0, 5378.0, 5484.0, 5661.0, 5713.0, 5324.0, 5593.0, 5612.0, 5462.0, 5515.0, 5431.0, 5320.0, 5427.0, 5350.0, 5402.0, 5655.0, 5549.0, 5636.0, 5641.0, 5637.0, 5445.0, 5693.0, 5302.0, 5458.0, 5568.0, 5555.0, 5459.0, 5310.0, 5470.0, 5701.0 (number of hits: 3)
18	5530	9	1	333	1	5638.0, 5546.0, 5507.0, 5490.0, 5423.0, 5636.0,

						5685.0, 5466.0, 5430.0, 5599.0, 5625.0, 5523.0, 5374.0, 5690.0, 5565.0, 5634.0, 5429.0, 5445.0, 5649.0, 5604.0, 5480.0, 5411.0, 5528.0, 5702.0, 5459.0, 5298.0, 5494.0, 5410.0, 5296.0, 5595.0, 5284.0, 5646.0, 5336.0, 5476.0, 5375.0, 5619.0, 5687.0, 5400.0, 5647.0, 5710.0, 5442.0, 5340.0, 5542.0, 5327.0, 5697.0, 5331.0, 5311.0, 5659.0, 5271.0, 5250.0, 5489.0, 5582.0, 5711.0, 5452.0, 5387.0, 5291.0, 5591.0, 5385.0, 5346.0, 5628.0, 5665.0, 5434.0, 5700.0, 5344.0, 5335.0, 5319.0, 5524.0, 5497.0, 5302.0, 5485.0, 5288.0, 5424.0, 5676.0, 5337.0, 5396.0, 5723.0, 5683.0, 5597.0, 5556.0, 5471.0, 5703.0, 5538.0, 5437.0, 5467.0, 5295.0, 5478.0, 5630.0, 5262.0, 5552.0, 5403.0, 5562.0, 5415.0, 5719.0, 5496.0, 5577.0, 5460.0, 5275.0, 5571.0, 5280.0, 5506.0 (number of hits: 7)
19	5530	9	1	333	1	5511.0, 5703.0, 5397.0, 5679.0, 5583.0, 5610.0, 5627.0, 5622.0, 5353.0, 5492.0, 5642.0, 5410.0, 5432.0, 5563.0, 5635.0, 5665.0, 5289.0, 5413.0, 5611.0, 5570.0, 5387.0, 5348.0, 5332.0, 5317.0, 5555.0, 5261.0, 5539.0, 5264.0, 5430.0, 5373.0, 5647.0, 5581.0, 5644.0, 5470.0, 5620.0, 5459.0, 5661.0, 5312.0, 5524.0, 5309.0, 5285.0, 5716.0, 5513.0, 5369.0, 5532.0, 5681.0, 5304.0, 5637.0, 5613.0, 5425.0, 5402.0, 5568.0, 5713.0, 5455.0, 5263.0, 5552.0, 5253.0, 5496.0, 5519.0, 5590.0, 5381.0, 5293.0, 5435.0, 5427.0, 5322.0, 5573.0, 5721.0, 5439.0, 5386.0, 5670.0, 5650.0, 5370.0, 5504.0, 5385.0, 5281.0, 5445.0, 5468.0, 5482.0, 5699.0, 5724.0, 5277.0, 5421.0, 5688.0, 5389.0, 5720.0, 5265.0, 5259.0, 5330.0, 5422.0, 5475.0, 5301.0, 5379.0, 5618.0, 5494.0, 5390.0, 5399.0, 5257.0, 5327.0, 5501.0, 5367.0 (number of hits: 7)
20	5530	9	1	333	1	5366.0, 5349.0, 5703.0, 5641.0, 5299.0, 5531.0, 5602.0, 5529.0, 5569.0, 5325.0, 5546.0, 5697.0, 5437.0, 5311.0, 5681.0, 5537.0, 5286.0, 5485.0, 5673.0, 5395.0, 5289.0, 5563.0, 5499.0, 5319.0, 5432.0, 5592.0, 5479.0, 5684.0, 5512.0, 5701.0, 5369.0, 5487.0, 5455.0, 5553.0, 5654.0, 5534.0, 5640.0, 5310.0, 5708.0, 5448.0, 5296.0, 5620.0, 5278.0, 5591.0, 5642.0, 5273.0, 5587.0, 5542.0, 5495.0, 5330.0, 5470.0, 5373.0, 5689.0, 5686.0, 5431.0, 5318.0, 5387.0, 5500.0, 5605.0, 5651.0, 5515.0, 5538.0, 5484.0, 5365.0, 5612.0, 5386.0, 5705.0, 5549.0, 5715.0, 5316.0, 5457.0, 5494.0, 5417.0, 5340.0, 5545.0, 5604.0, 5382.0, 5699.0, 5516.0, 5337.0, 5581.0, 5619.0, 5672.0, 5565.0, 5454.0, 5685.0, 5308.0, 5547.0, 5562.0, 5288.0, 5302.0, 5509.0, 5506.0, 5560.0, 5389.0, 5698.0, 5721.0, 5561.0, 5348.0, 5328.0 (number of hits: 9)
21	5530	9	1	333	1	5686.0, 5401.0, 5699.0, 5296.0, 5386.0, 5575.0, 5705.0, 5305.0, 5458.0, 5297.0, 5573.0, 5449.0, 5568.0, 5327.0, 5256.0, 5514.0, 5342.0, 5332.0, 5470.0, 5681.0, 5532.0, 5495.0, 5610.0, 5309.0, 5258.0, 5703.0, 5625.0, 5537.0, 5668.0, 5443.0, 5382.0, 5722.0, 5518.0, 5430.0, 5497.0, 5717.0, 5476.0, 5291.0, 5643.0, 5277.0, 5488.0, 5419.0, 5483.0, 5721.0, 5338.0, 5698.0, 5596.0, 5570.0, 5468.0, 5406.0, 5261.0, 5527.0, 5471.0, 5398.0,

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22	5530	9	1	333	1	5593.0, 5399.0, 5594.0, 5291.0, 5684.0, 5705.0, 5685.0, 5524.0, 5671.0, 5446.0, 5616.0, 5437.0, 5462.0, 5689.0, 5465.0, 5339.0, 5712.0, 5699.0, 5319.0, 5693.0, 5463.0, 5274.0, 5458.0, 5661.0, 5286.0, 5368.0, 5639.0, 5688.0, 5324.0, 5571.0, 5503.0, 5261.0, 5642.0, 5327.0, 5657.0, 5255.0, 5526.0, 5342.0, 5370.0, 5656.0, 5691.0, 5486.0, 5710.0, 5328.0, 5680.0, 5455.0, 5470.0, 5515.0, 5422.0, 5427.0, 5386.0, 5478.0, 5288.0, 5406.0, 5349.0, 5711.0, 5556.0, 5435.0, 5643.0, 5335.0, 5394.0, 5722.0, 5634.0, 5473.0, 5605.0, 5631.0, 5424.0, 5611.0, 5608.0, 5269.0, 5591.0, 5417.0, 5551.0, 5574.0, 5297.0, 5265.0, 5402.0, 5431.0, 5615.0, 5651.0, 5652.0, 5461.0, 5409.0, 5333.0, 5296.0, 5352.0, 5362.0, 5531.0, 5702.0, 5579.0, 5377.0, 5581.0, 5273.0, 5412.0, 5281.0, 5445.0, 5414.0, 5418.0, 5629.0, 5701.0 (number of hits: 5)
23	5530	9	1	333	1	5623.0, 5279.0, 5371.0, 5267.0, 5393.0, 5459.0, 5255.0, 5721.0, 5583.0, 5320.0, 5663.0, 5582.0, 5648.0, 5567.0, 5318.0, 5461.0, 5422.0, 5295.0, 5359.0, 5599.0, 5457.0, 5637.0, 5356.0, 5592.0, 5672.0, 5347.0, 5545.0, 5681.0, 5515.0, 5404.0, 5396.0, 5495.0, 5319.0, 5625.0, 5398.0, 5714.0, 5263.0, 5261.0, 5699.0, 5317.0, 5647.0, 5266.0, 5645.0, 5490.0, 5405.0, 5308.0, 5367.0, 5348.0, 5530.0, 5270.0, 5716.0, 5384.0, 5668.0, 5691.0, 5296.0, 5315.0, 5402.0, 5483.0, 5539.0, 5389.0, 5454.0, 5692.0, 5311.0, 5466.0, 5708.0, 5269.0, 5300.0, 5531.0, 5652.0, 5676.0, 5321.0, 5285.0, 5553.0, 5492.0, 5554.0, 5502.0, 5594.0, 5331.0, 5474.0, 5512.0, 5611.0, 5302.0, 5522.0, 5479.0, 5666.0, 5516.0, 5653.0, 5513.0, 5403.0, 5410.0, 5306.0, 5312.0, 5609.0, 5537.0, 5646.0, 5523.0, 5493.0, 5644.0, 5604.0, 5361.0 (number of hits: 9)
24	5530	9	1	333	1	5253.0, 5446.0, 5581.0, 5456.0, 5598.0, 5419.0, 5503.0, 5341.0, 5494.0, 5409.0, 5654.0, 5401.0, 5451.0, 5590.0, 5563.0, 5605.0, 5626.0, 5455.0, 5480.0, 5259.0, 5315.0, 5710.0, 5613.0, 5528.0, 5565.0, 5531.0, 5492.0, 5621.0, 5683.0, 5407.0, 5557.0, 5693.0, 5469.0, 5712.0, 5344.0, 5348.0, 5697.0, 5721.0, 5709.0, 5670.0, 5402.0, 5612.0, 5500.0, 5515.0, 5467.0, 5720.0, 5594.0, 5576.0, 5577.0, 5711.0, 5620.0, 5422.0, 5370.0, 5667.0, 5568.0, 5277.0, 5509.0, 5266.0, 5382.0, 5355.0, 5484.0, 5272.0, 5493.0, 5352.0, 5578.0, 5704.0, 5260.0, 5399.0, 5365.0, 5269.0, 5723.0, 5297.0, 5271.0, 5342.0, 5638.0, 5533.0, 5359.0, 5288.0, 5586.0, 5625.0, 5349.0, 5615.0, 5608.0, 5542.0, 5562.0, 5488.0, 5622.0, 5694.0, 5611.0, 5335.0, 5334.0, 5674.0, 5440.0, 5541.0, 5678.0, 5279.0,

						5282.0, 5599.0, 5601.0, 5715.0 (number of hits: 2)
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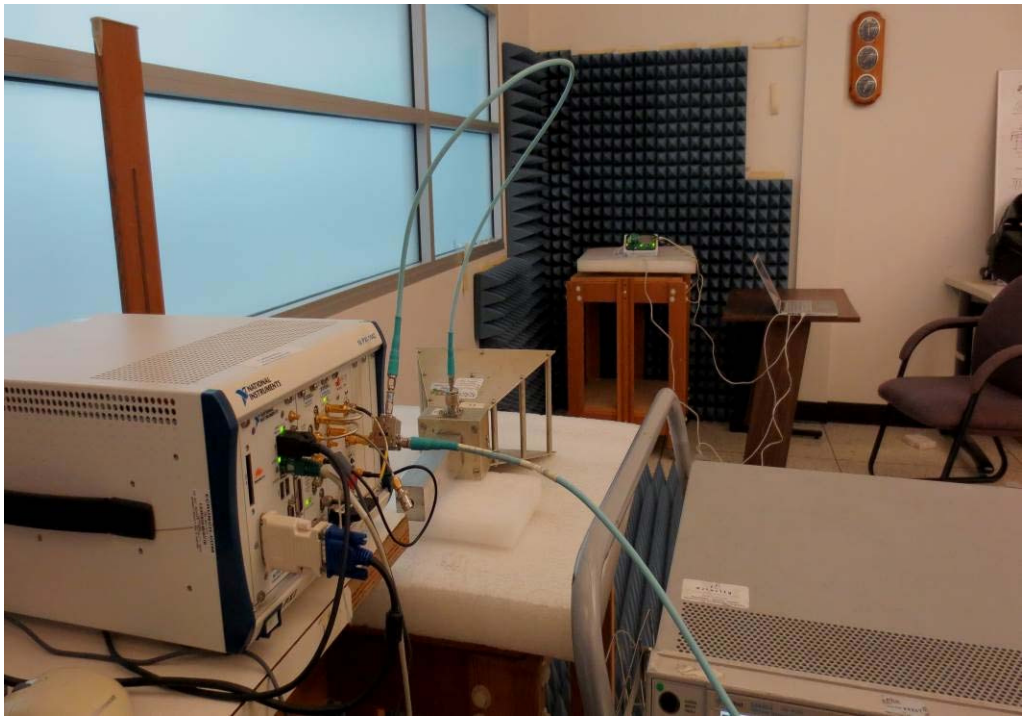
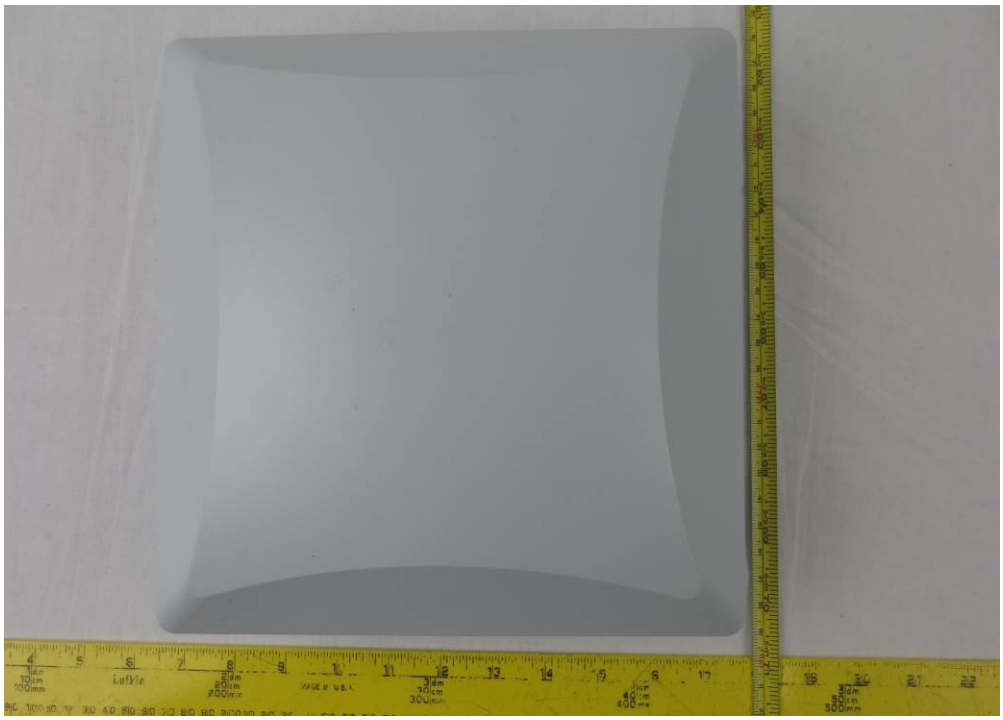
10 Exhibit A – Test Setup Photographs

10.1 DFS Test Setup View

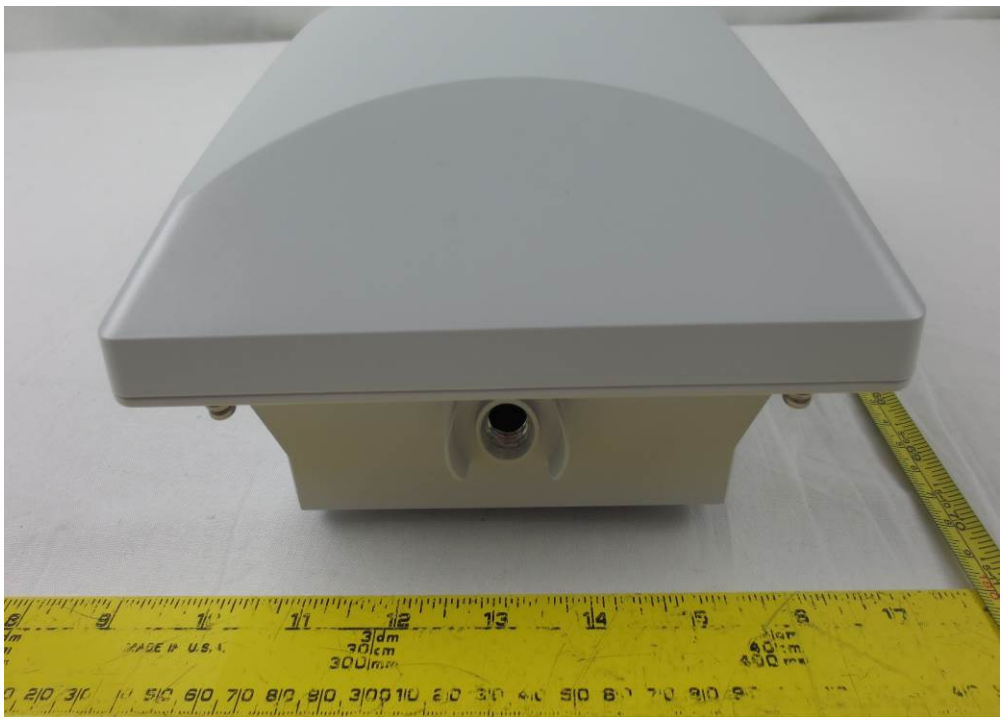


11 Exhibit B – EUT Photographs

11.1 Host Unit (T301S) View 1



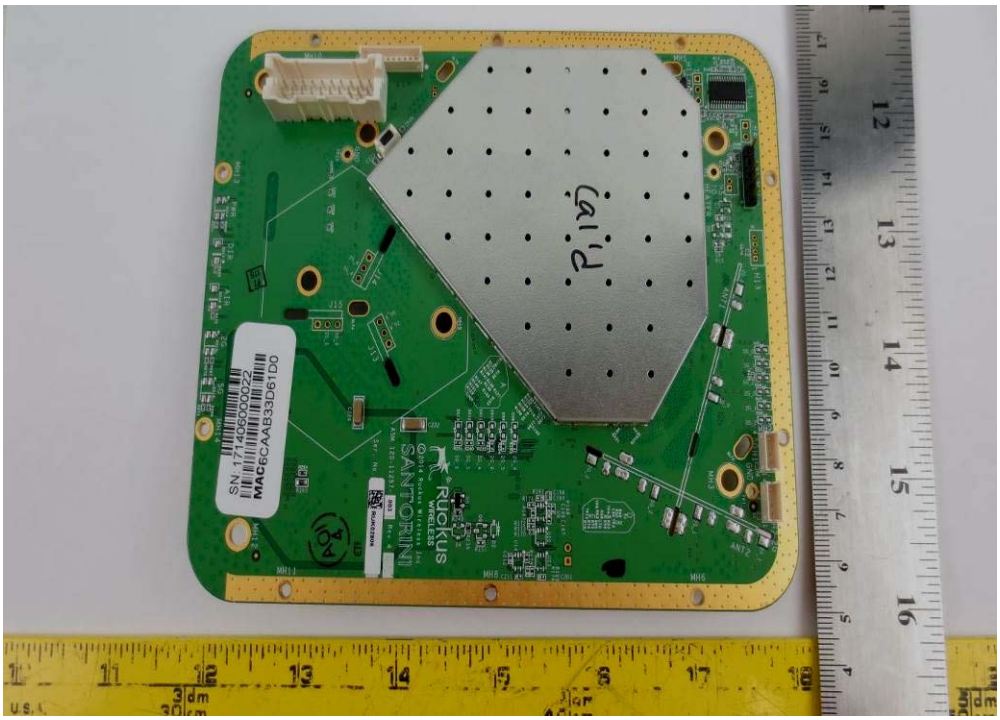
11.2 Host Unit (T301S) View 2



11.3 Host Unit (T301S) View 3

11.4 EUT Open Case: PCB1 Main Board SANTORINI: Top View

11.5 PCB1 Main Board SANTORINI: Rear View

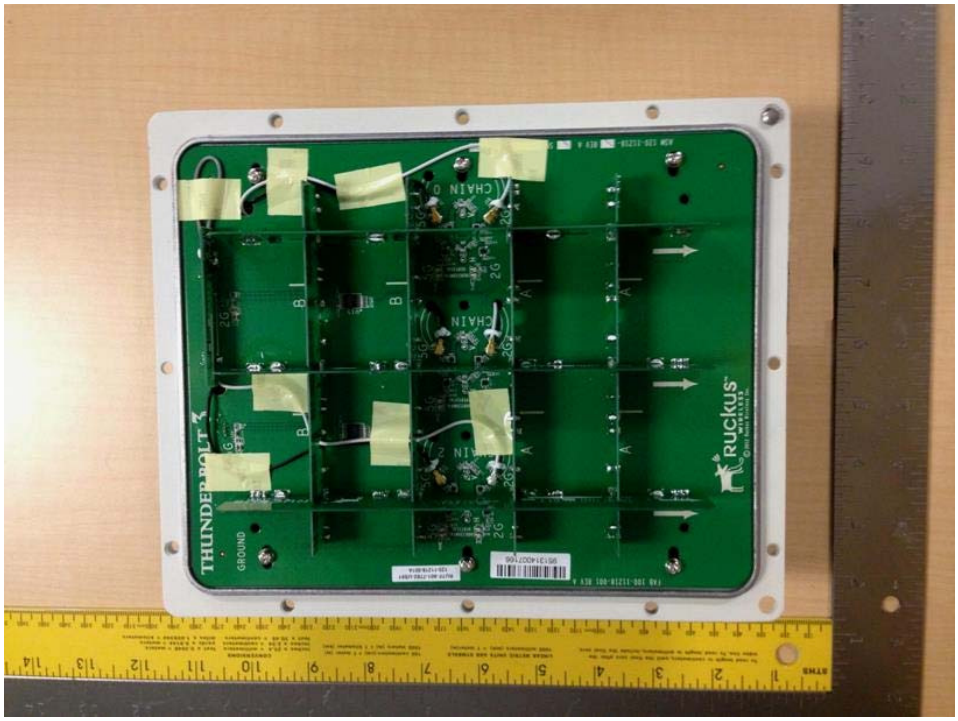


11.6 EUT Photo: Shielding off View

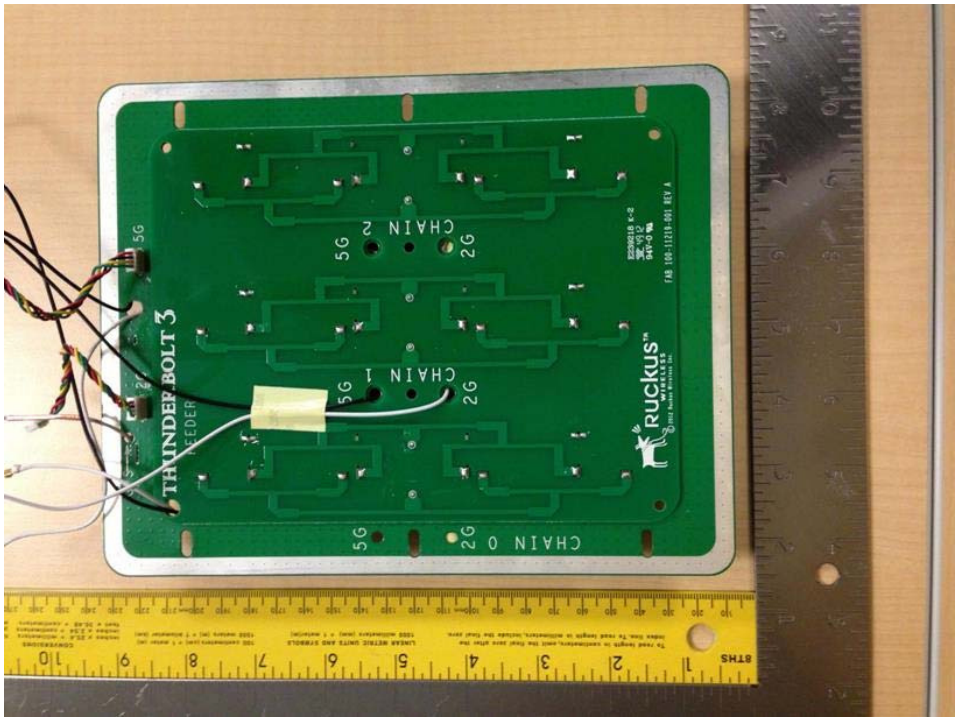
11.7 POE Adaptor

11.8 AC Adaptor

11.9 Antenna View 1



11.10 Antenna View 2



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