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: S9GSC8800
IC: 5912A-SC8800

Report Type:	**Equipment Type:**
Original Report	802.11a/b/g/n Access Point

Prepared By: Ning Ma

Report No.: R1212101-DFS

Report Date: 2013-07-02

Reviewed By: Victor Zhang, EMC/RF Lead

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

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1212101-DFS	Original Report	2013-07-02

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of *Ruckus Wireless, Inc*., and their product model: *SmartCell 8800,* with FCC ID: S9GSC8800, IC: 5912A-SC8800 or the "EUT" as referred to in this report. The EUT is a 3x3 MIMO 802.11 a/b/g/n RLAN Access Point operates in 2.4 GHz and 5 GHz bands.

1.2 Mechanical Description of EUT

The EUT measures approximately 38.5 cm (L) x 30.5 cm (W) x 12 cm (H) and weighs 7.15 kg.

The test data gathered are from typical production sample, serial number: R1212101-01 assigned by BACL.

1.3 Objective

This report is prepared on behalf of Ruckus Wireless, Inc., in accordance with FCC CFR47 §15.407 (h), RSS-210, Issue 8, Dec 2010 and FCC 06-96 Appendix.

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

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

FCC 06-96 Appendix "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

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 C63.4-2003, 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.: R-3729, C-4176, G-469, and T-1206. 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), RSS-210 and FCC 06-96 Standards.

2.2 EUT Exercise Software

The software version is 9.6.0.264, was provided by customer and verified by Ning Ma to comply with the standard requirements being tested against.

2.3 Equipment Modifications

Includes reference to the location of the pictures

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	Ideapad U310	-

2.5 EUT Internal Configuration

Manufacturer	Description	Type	Serial Number
Ruckus	PCA, Mother Board, Cyprus2	PCA	120-11190-001 rev 7.1
Ruckus	PCA, Interface Board v2, Cyprus2	PCA	120-11252-001 rev 2.0
Ruckus	Assembly, Power Supply	Sub-Assembly	705-60316-001 rev A
Ruckus	Antenna, GPS,	Antenna	730-63110-002 rev A
Ruckus	Assembly, Antenna, Thunderbolt3, Cyrpus	Sub-Assembly	705-60287-001 rev A
Ruckus	Radome, Cyprus, Gray	Plastic Component	700-60255-002 rev A1
Ruckus	Mounting Plate, Antenna, Cyprus, Gray	Hardware-Metal	701-60690-002 rev B1
Ruckus	Housing, Base, Cyprus, Gray	Hardware-Metal	701-60692-002 rev B1

2.6 Interface Ports and Cables

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

2.7 Power Supply List and Details

Manufacturer	Description	Model	Part Number
Ruckus	Power Supply cord	-	-
Ruckus	POE Power Adapter	740-64217-001	-

3 Summary of Test Results

The following result table represents the list of measurements required under the CFR47 §47 Part15.407 (h) and FCC 06-96.

Items	Description of Test	Result
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 FCC 06-96 Appendix.

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
Uniform Spreading	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	**Client** (Without DFS)	**Client** (With DFS)
DFS Detection Threshold	Yes	Not Required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes

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

Maximum Transmit Power	Value (See Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 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.

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 80% of the UNII 99% transmission power bandwidth. See Note 3.

Note 1: The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows:
- For the Short Pulse Radar Test Signals this instant is the end of the *Burst*.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar *Burst* generated.
- For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the *Radar Waveform*.

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

Note 3: During the *U-NII Detection Bandwidth* detection test, radar type 1 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
1	1	1428	18	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

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

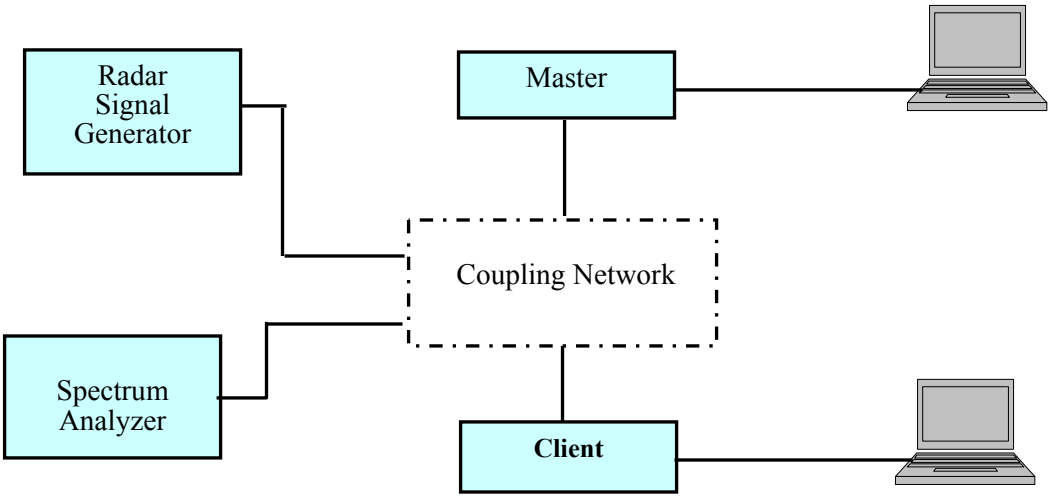
Table 7: Frequency Hopping Radar Test Signal

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

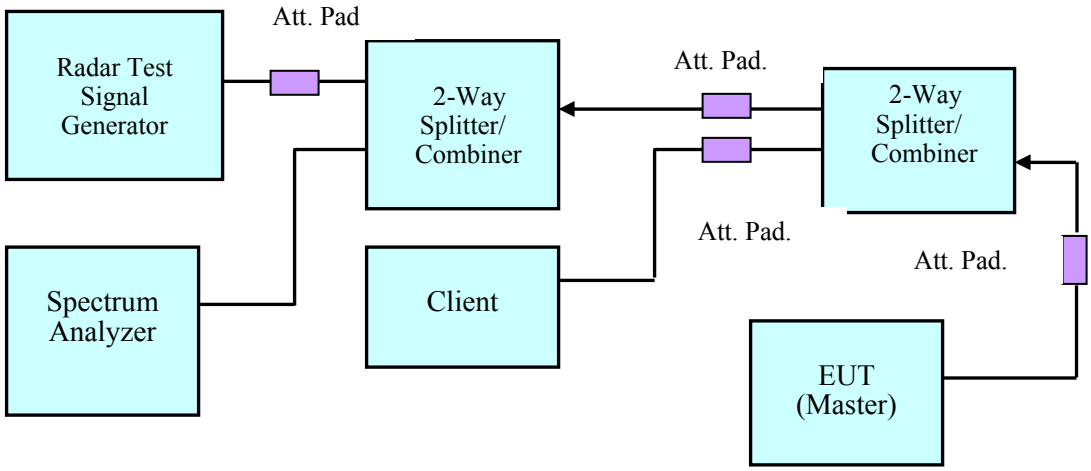
4.2 DFS Measurement System

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

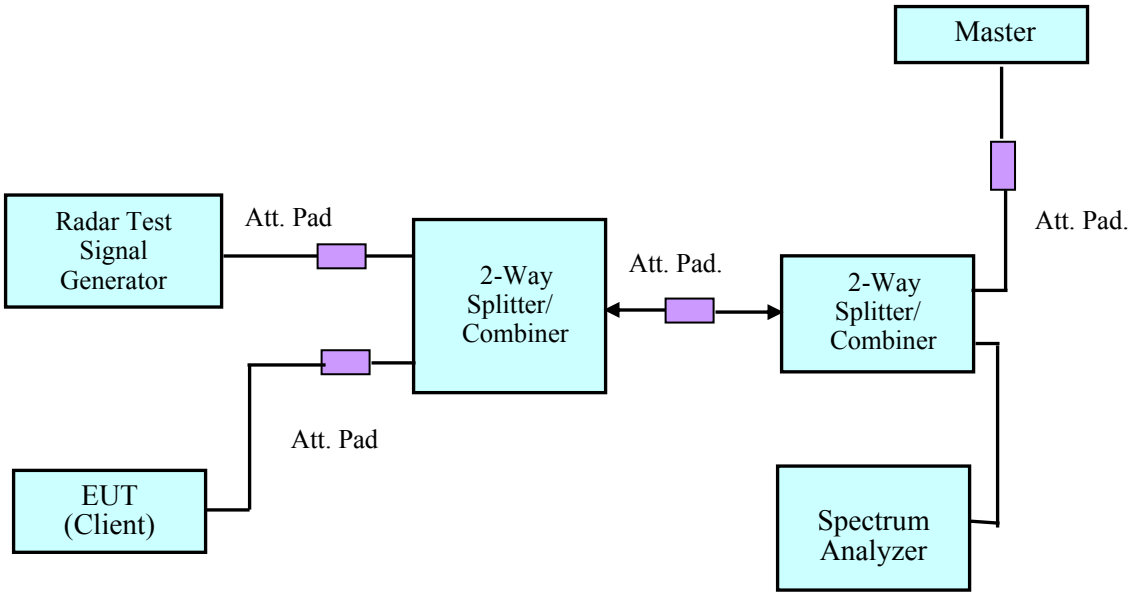
4.3 System Block Diagram



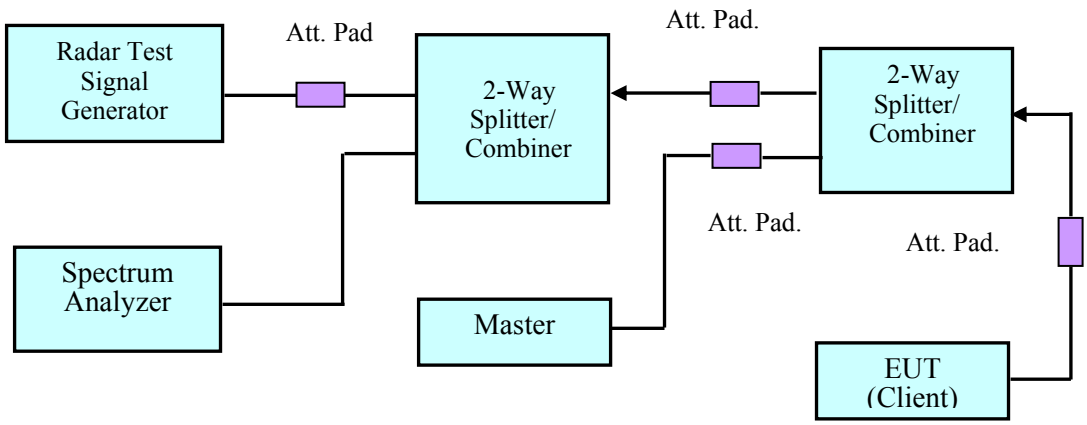
4.4 Conducted Method



Setup for Master with injection at the Master

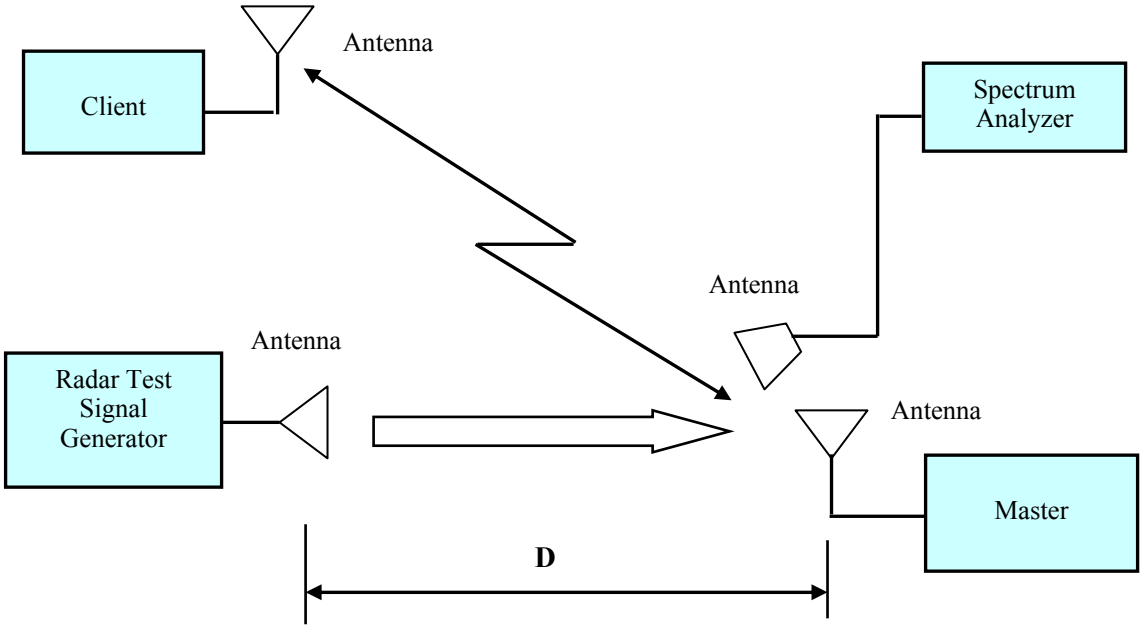


Setup for Client with injection at the Master



Setup for Client with injection at the Client

4.5 Radiated Method



4.6 Test Procedure

A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the diction and Channel move. 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.

The rated output power of EUT is > 23 dBm (EIRP), Therefore the required interference threshold level is -62 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.

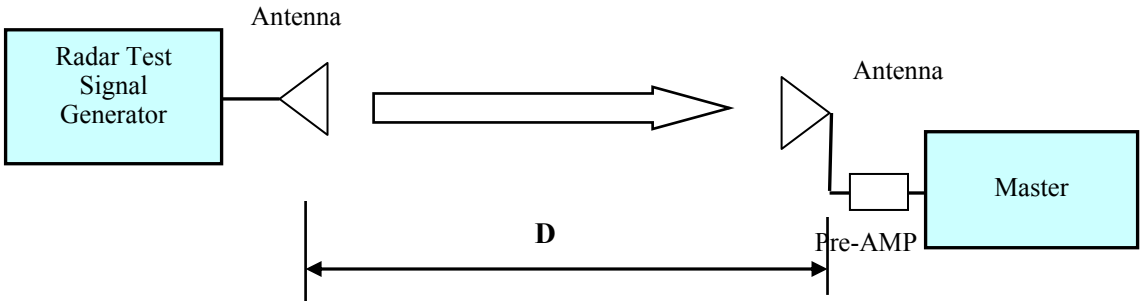
The EUT will not work in 5600-5650 MHz band.

5.2 Test Equipment List and Details

Manufacturer	Equipment Description	Model Number	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	2012-10-16
A.R.A.	Antenna Horn	DRG-118/A	1132	2013-01-29
EMCO	Antenna Horn	3115	9511-4627	2012-10-17
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
HP	Amplifier	8449B	3147A00400	2013-02-04

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

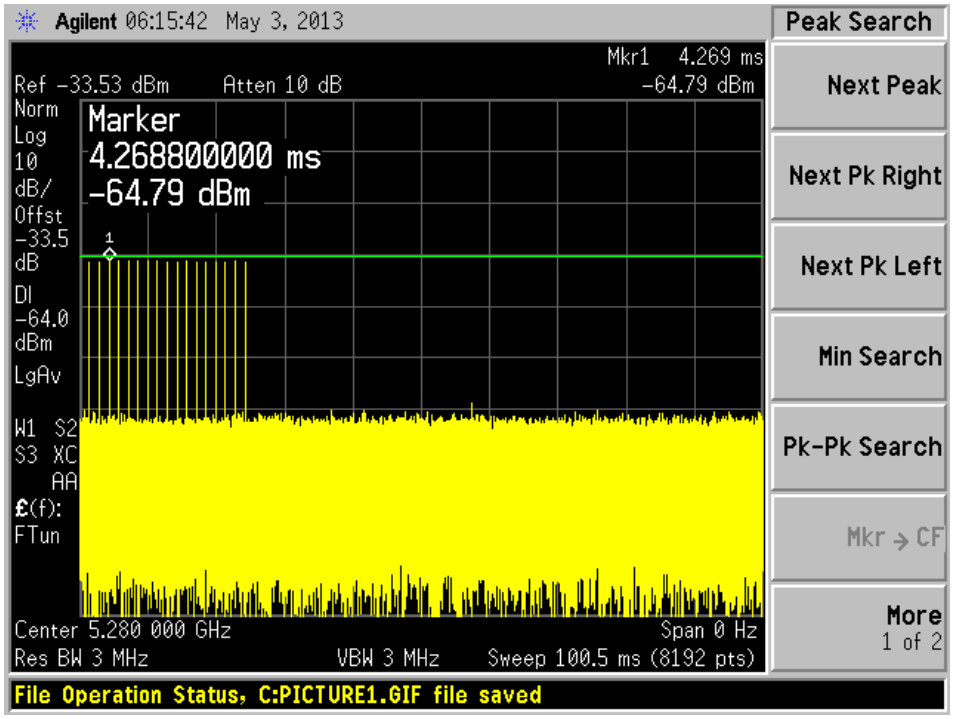
Temperature:	22 °C
Relative Humidity:	32 %
ATM Pressure:	101.6 kpar

Testing performed by Ning Ma on 2013-05-21 at DFS testing site.

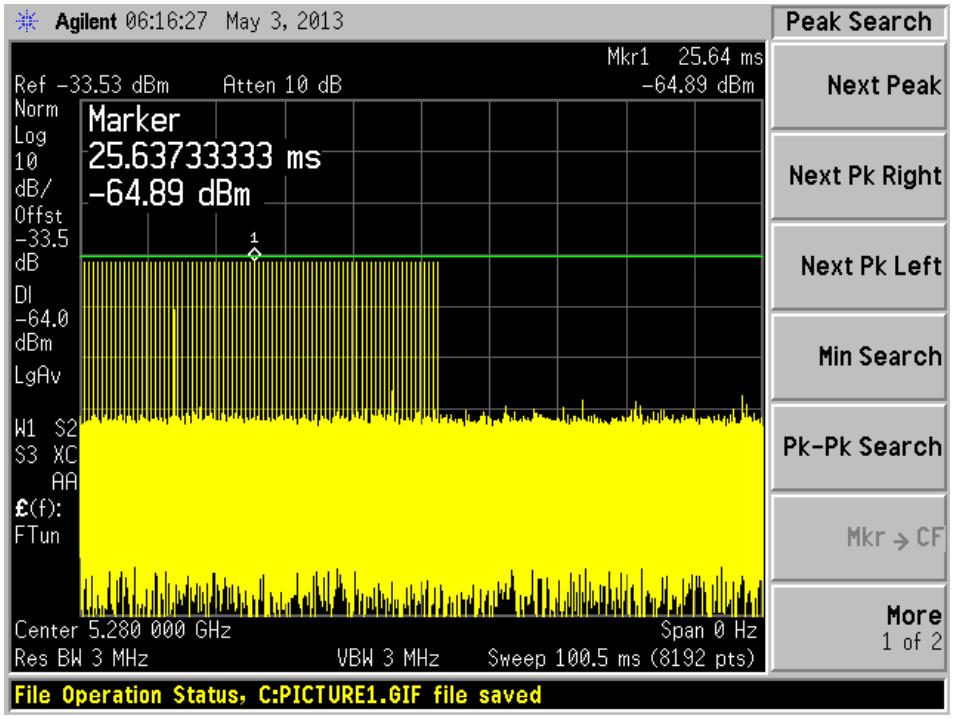
Plots of Radar Waveforms

5280 MHz

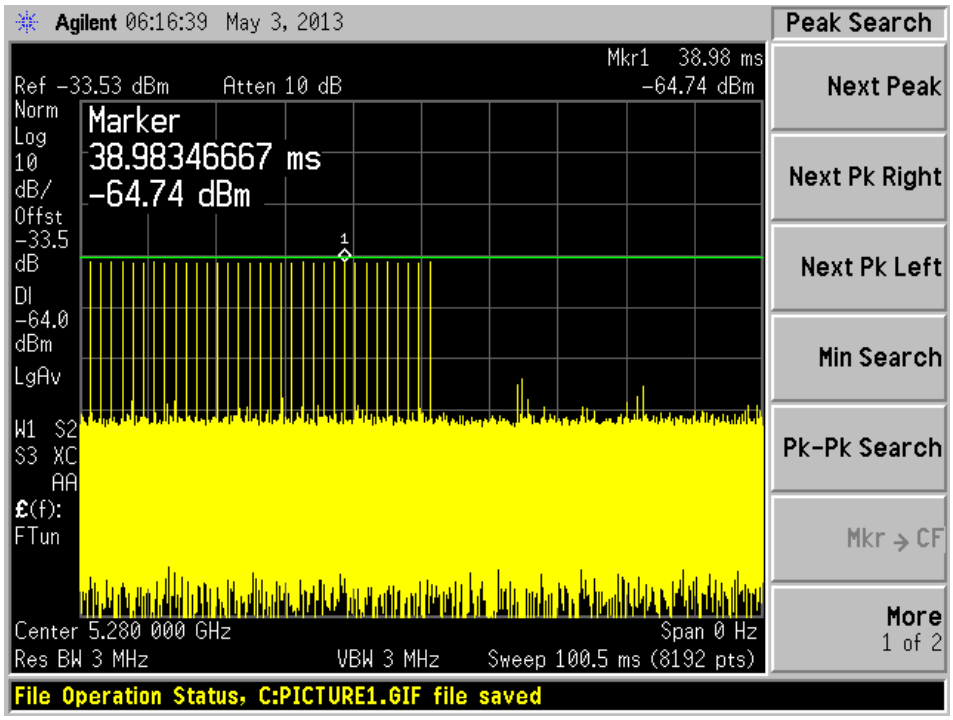
Radar Type 0



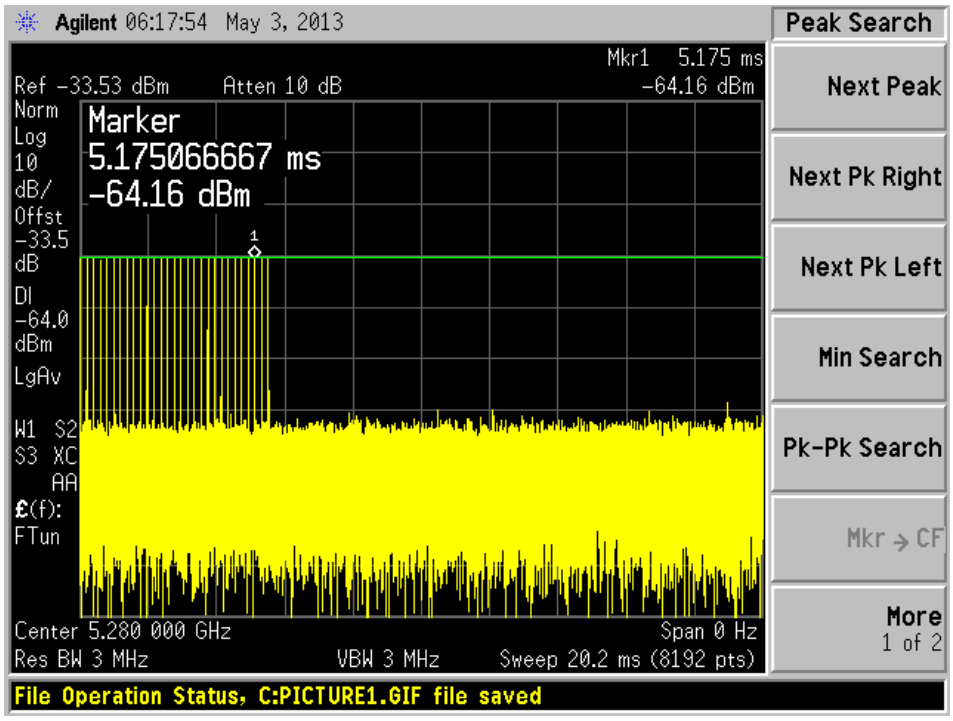
Radar Type 1 A



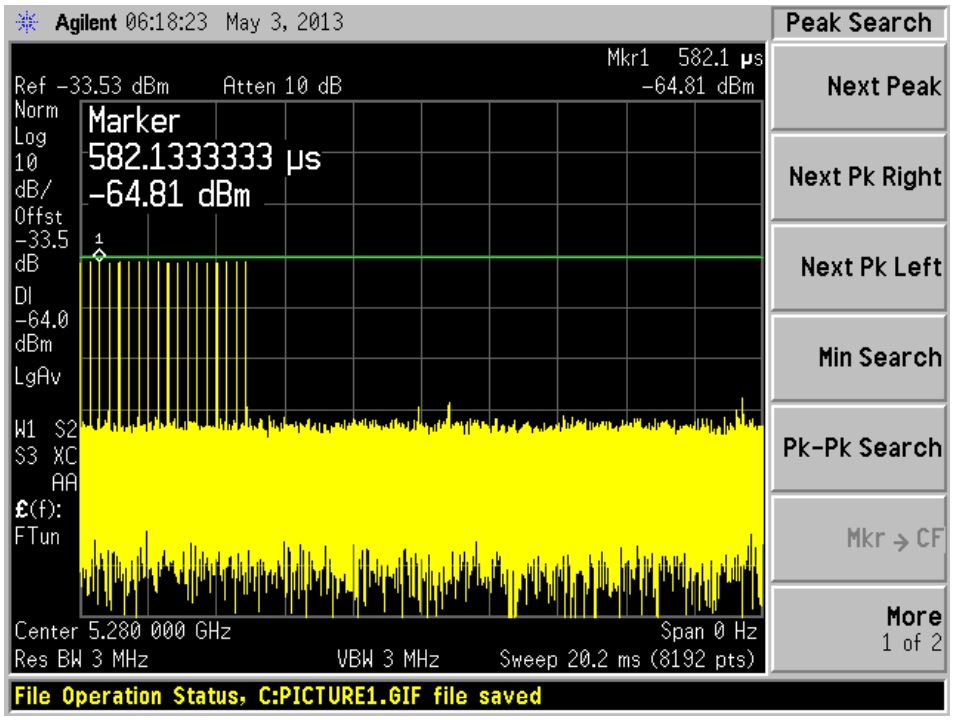
Radar Type 1 B



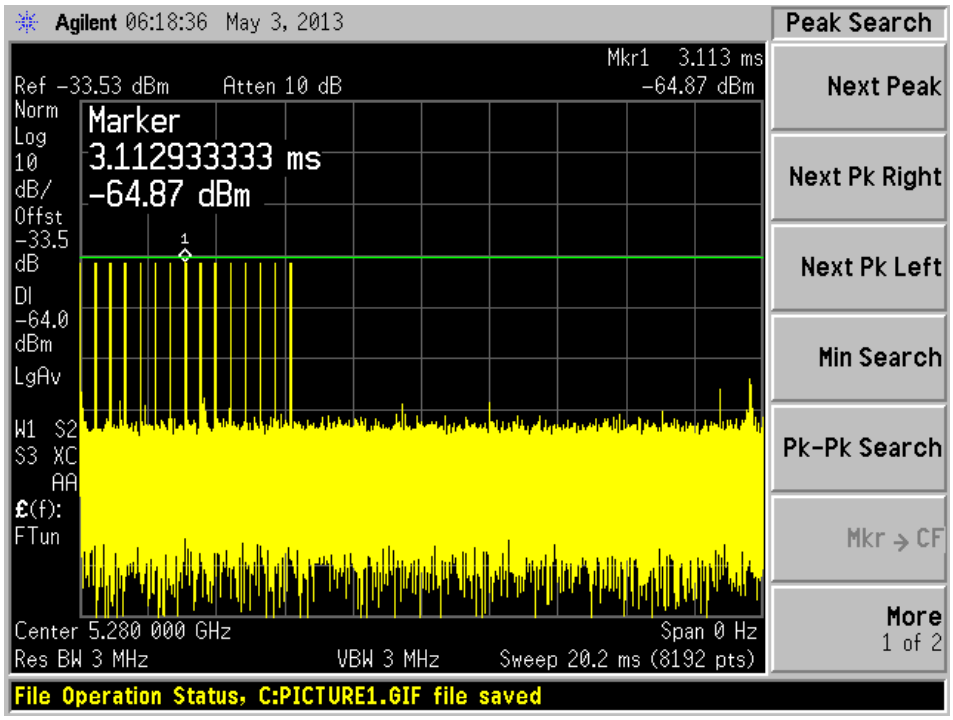
Radar Type 2



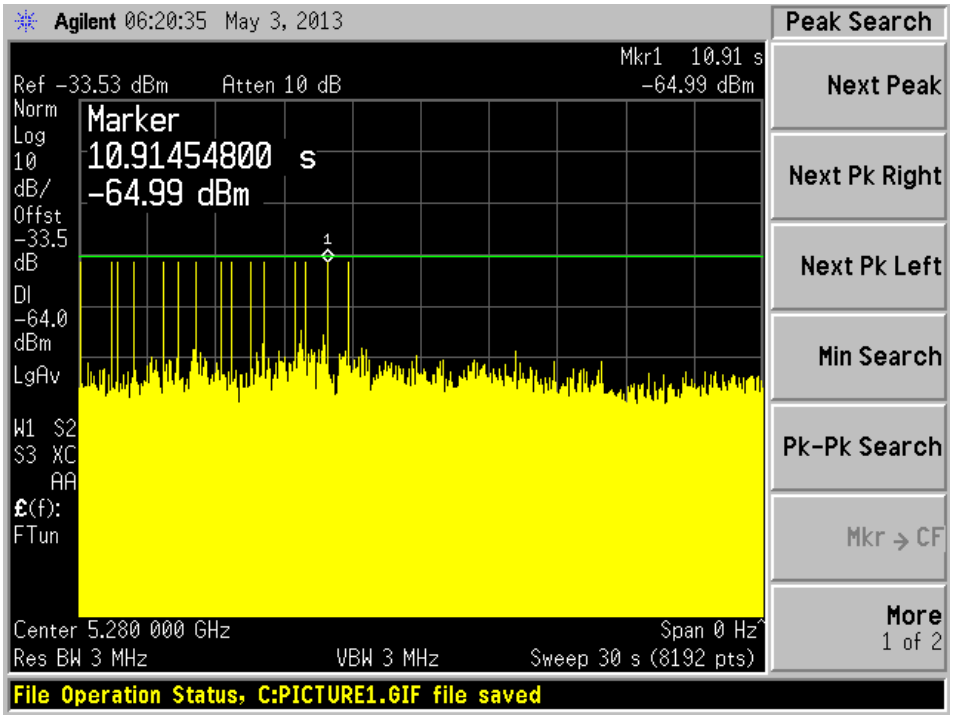
Radar Type 3



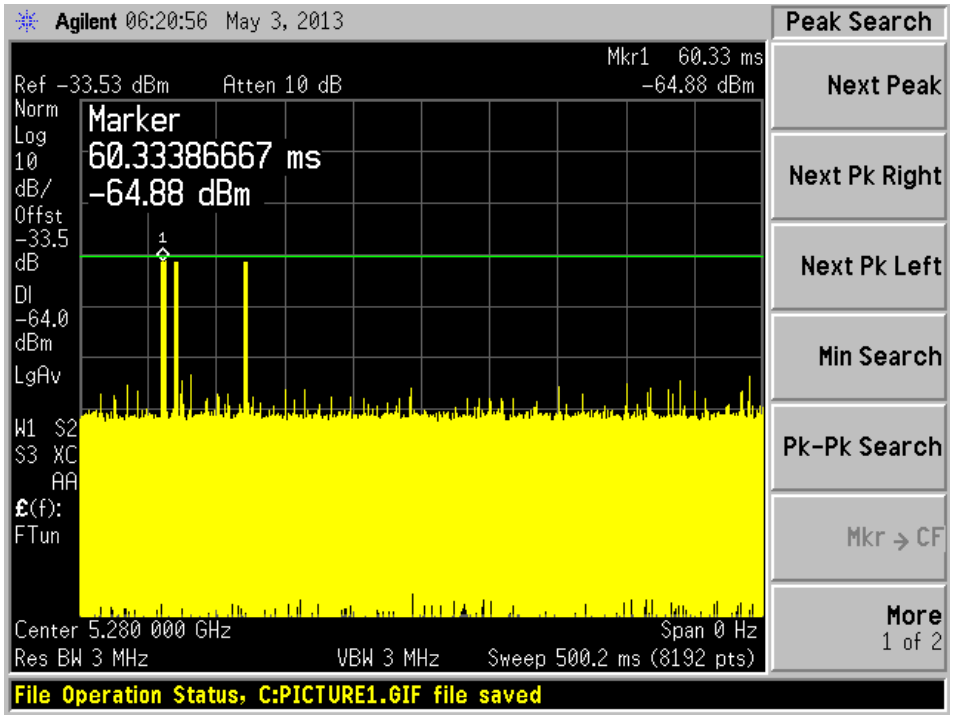
Radar Type 4



Radar Type 5

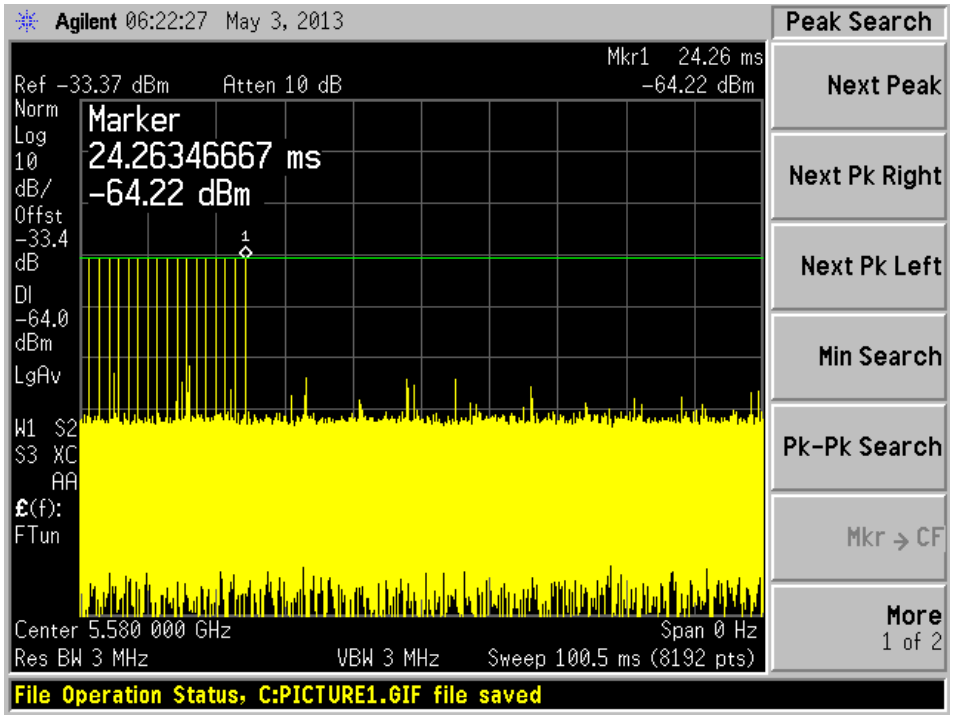


Radar Type 6

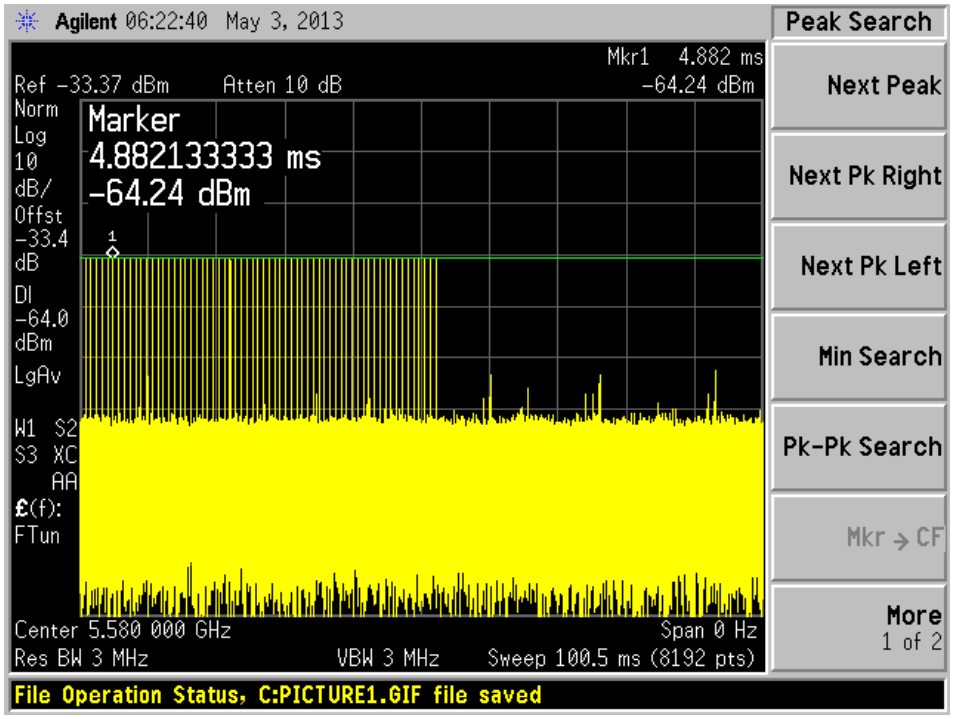


5580 MHz

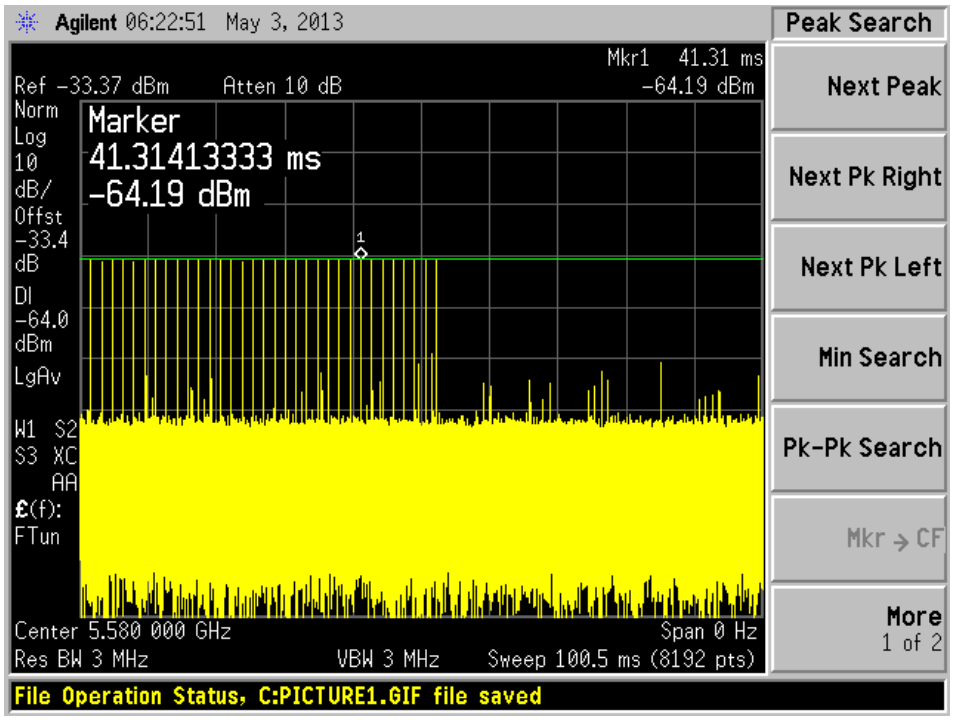
Radar Type 0



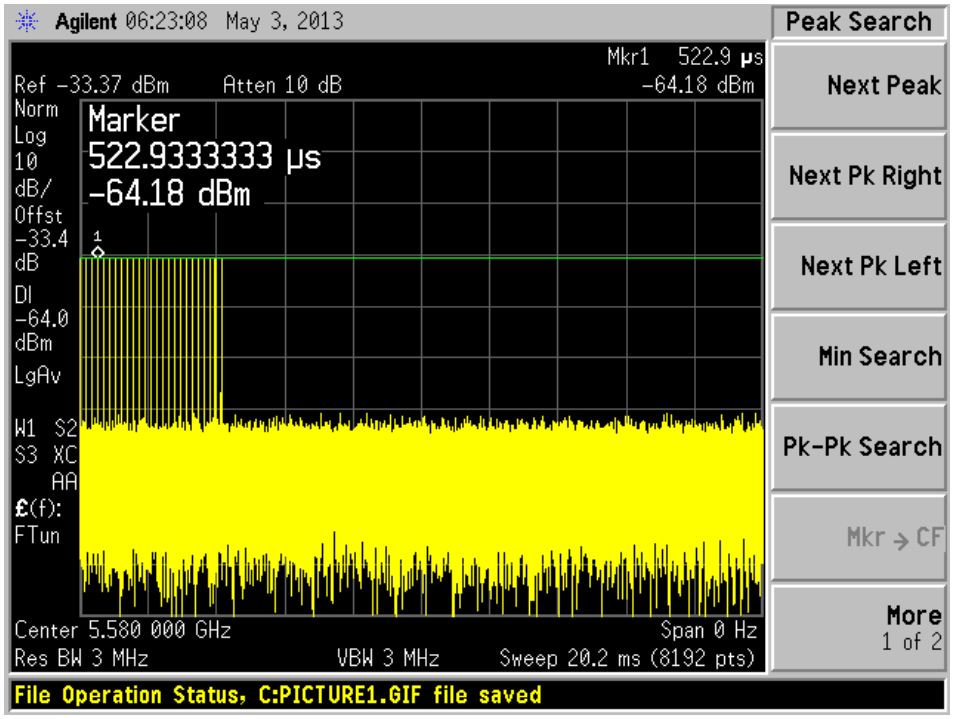
Radar Type 1 A



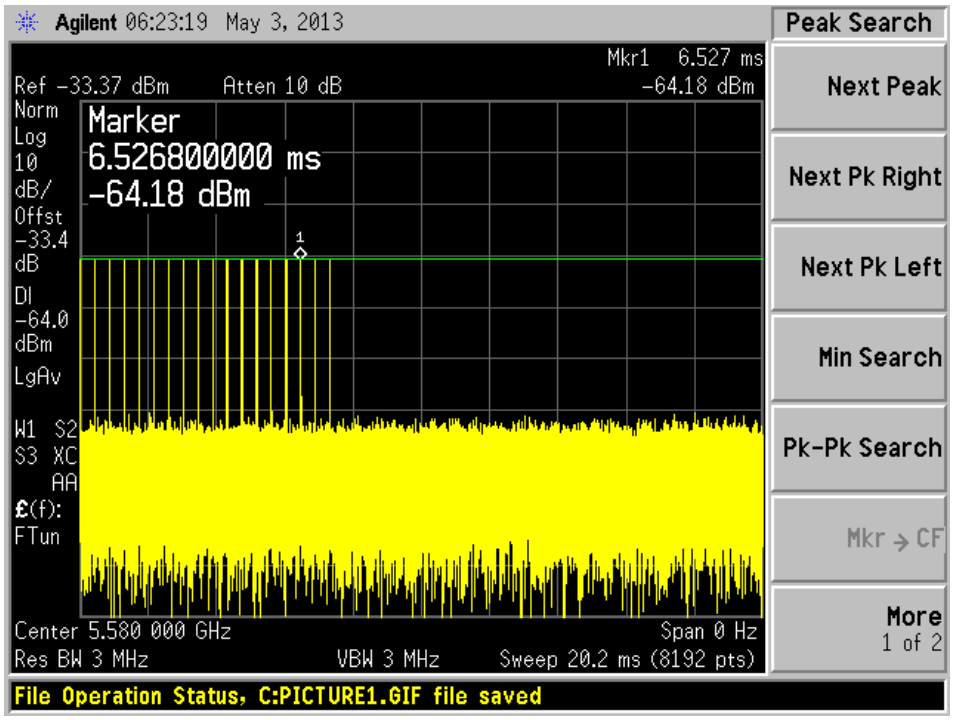
Radar Type 1 B



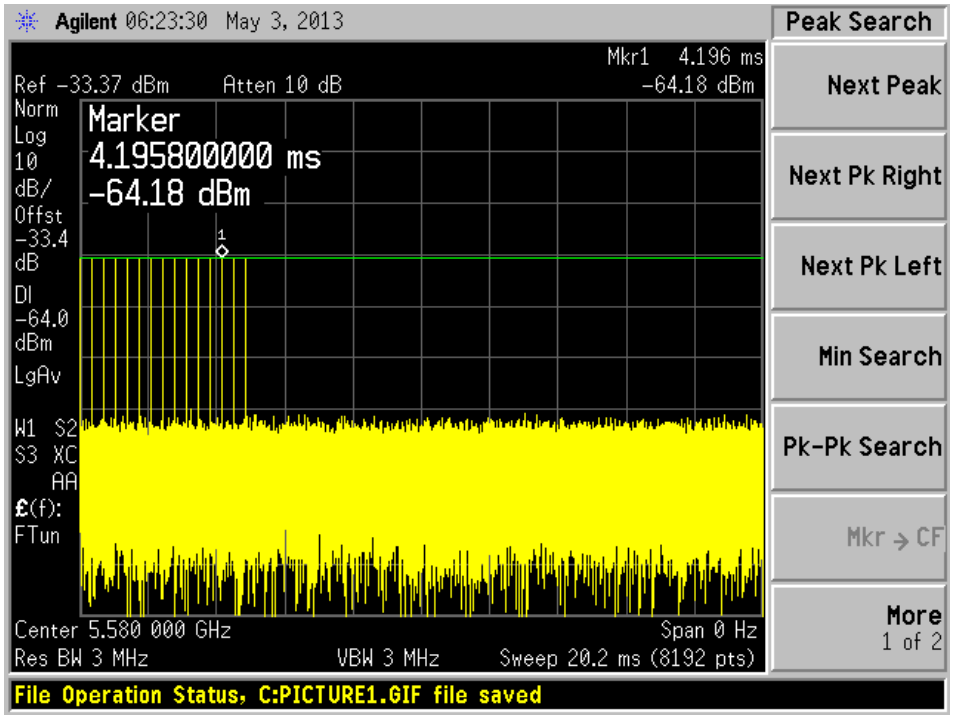
Radar Type 2



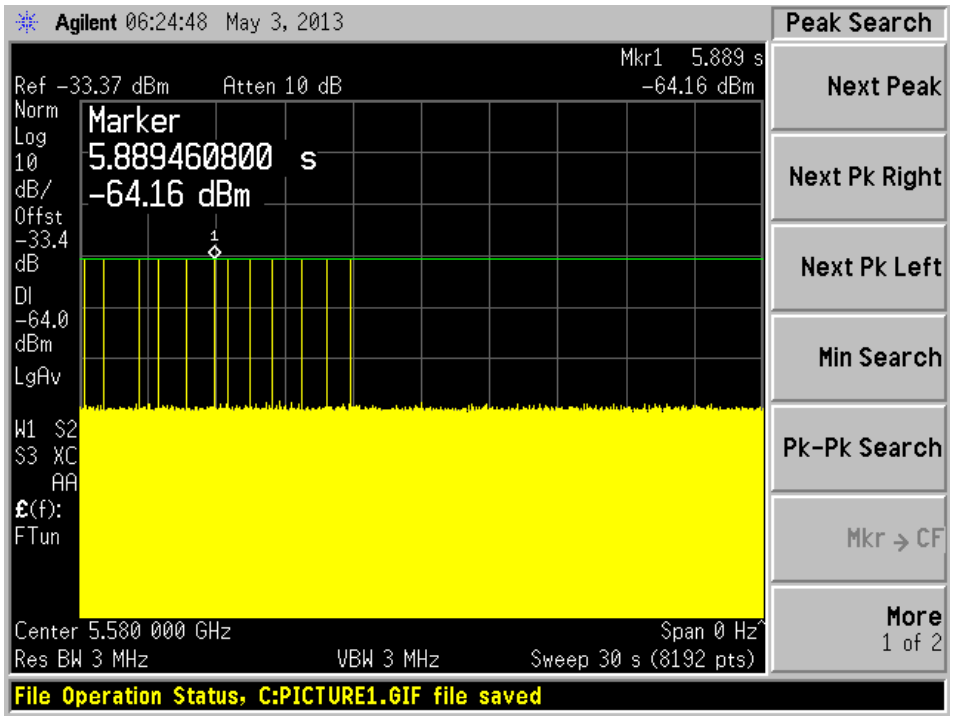
Radar Type 3



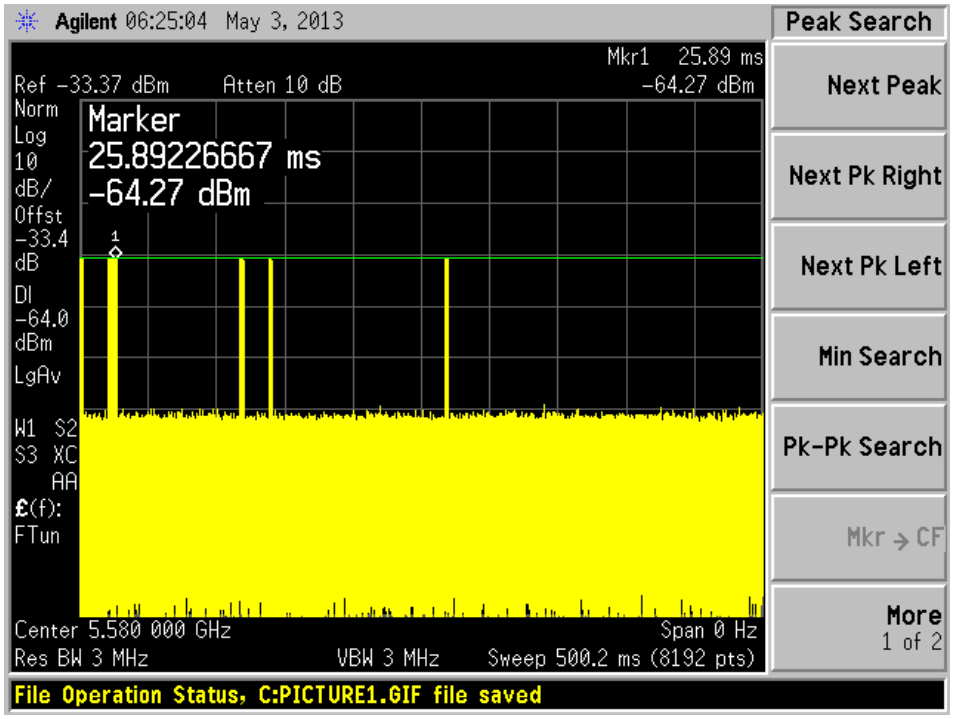
Radar Type 4



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

5280 MHz and 5580 MHz Bandwidth 20 MHz

EUT initial Power-up cycle (Second)
35

5270 MHz and 5550 MHz Bandwidth 40 MHz

EUT initial Power-up cycle (Second)
35

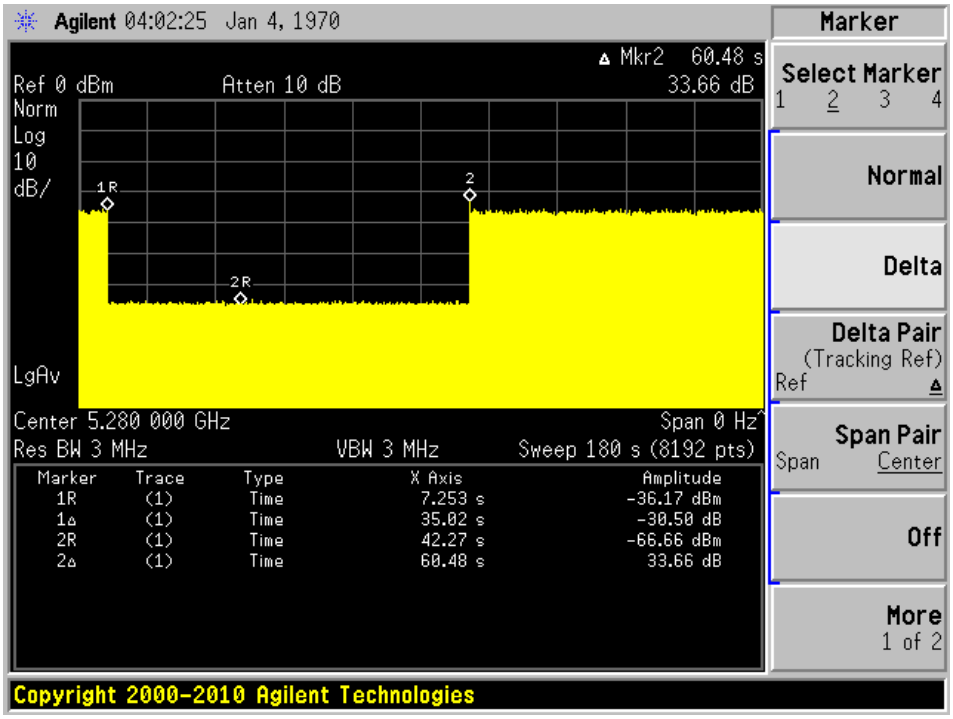
Results:

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.

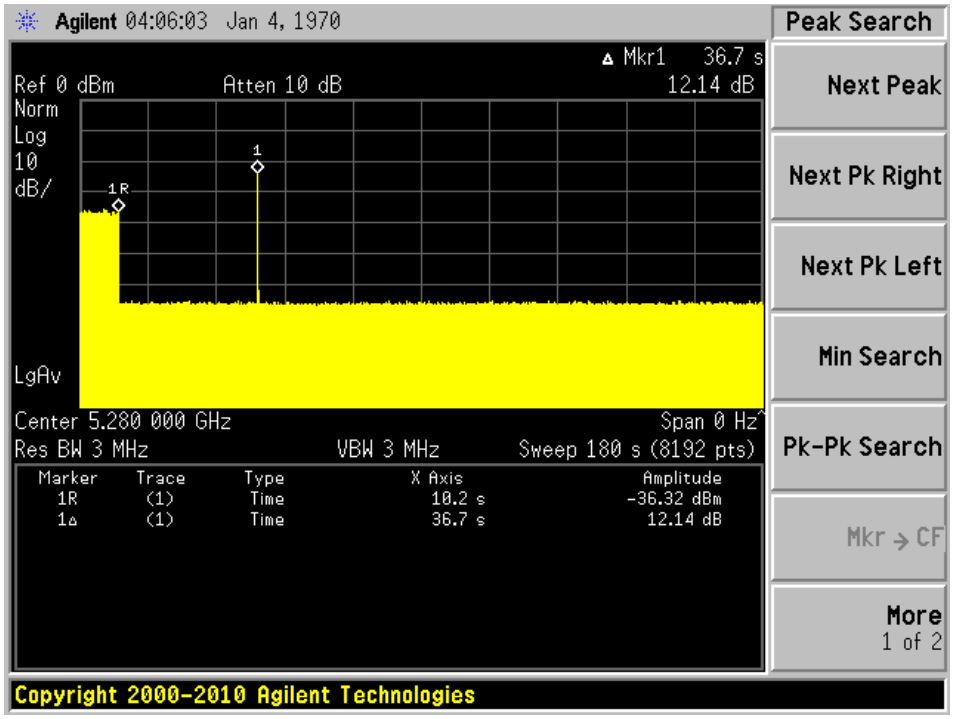
5280 MHz, 20 MHz Bandwidth

Plot of without Radar signal applied



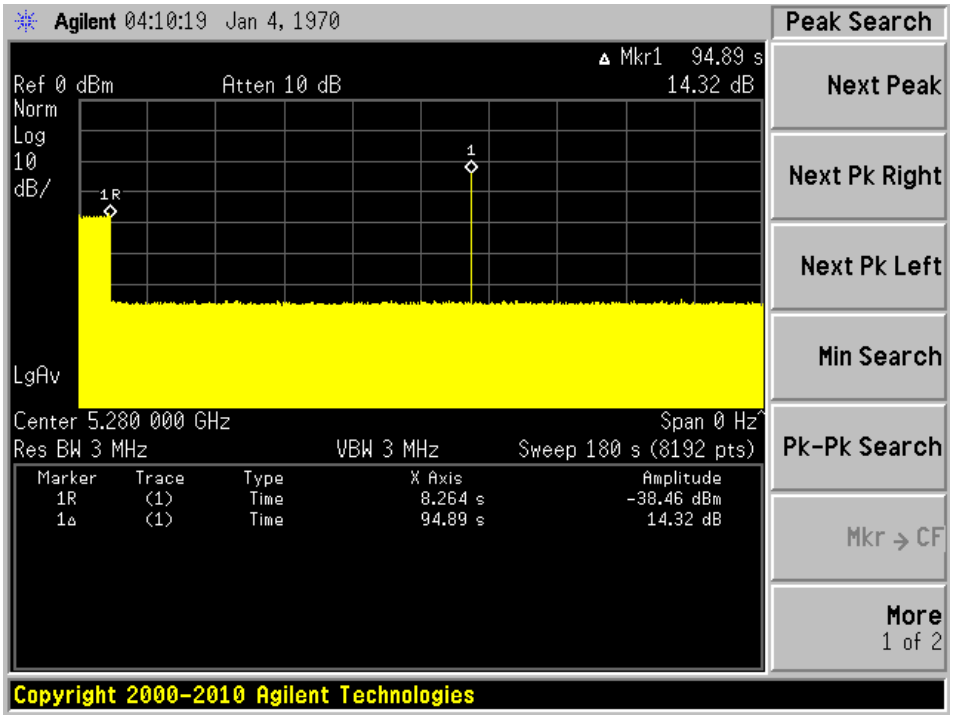
Note: The power-up cycle is 35 seconds.

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



No transmissions found after radar signal applied.

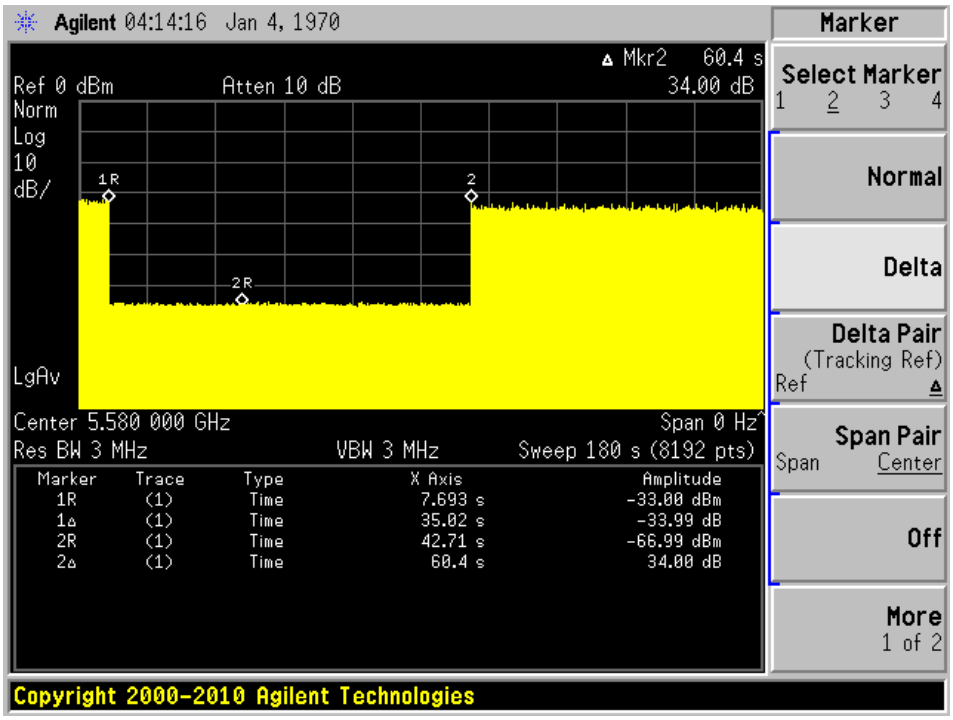
Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

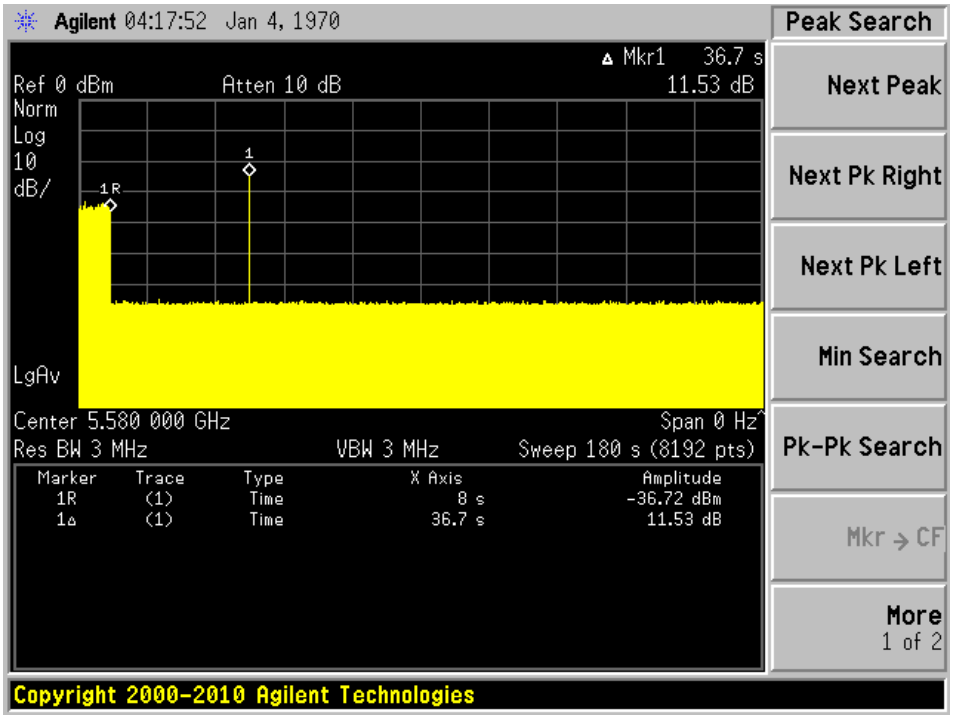
5580 MHz, 20 MHz Bandwidth

Plot of without Radar signal applied



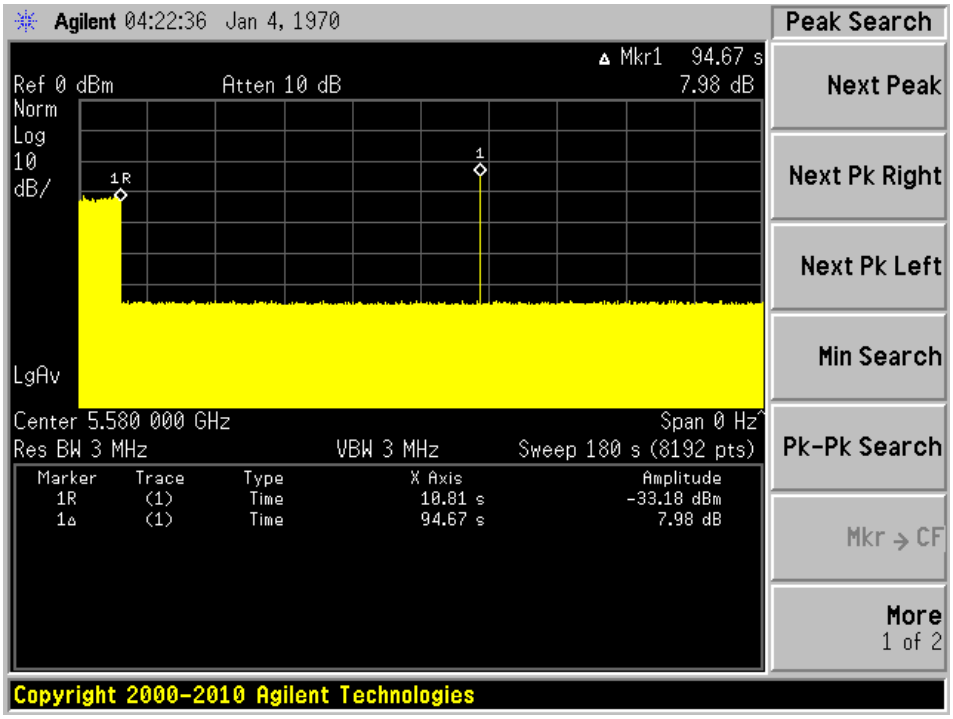
Note: The power-up cycle is 35 seconds.

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



No transmissions found after radar signal applied.

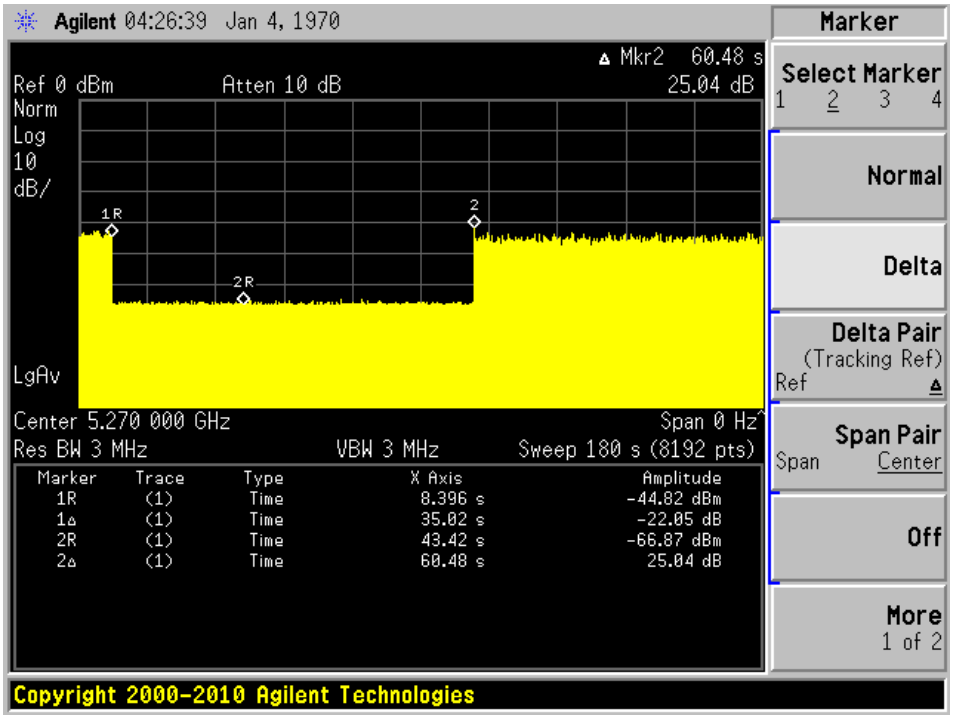
Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

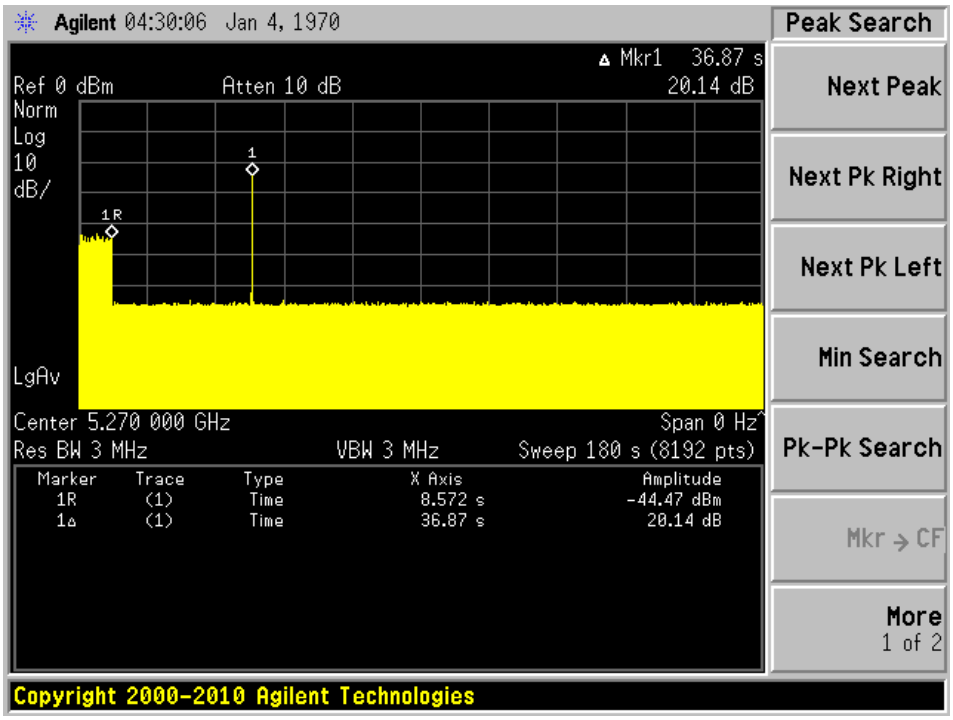
5270 MHz, 40 MHz Bandwidth

Plot of without Radar signal applied



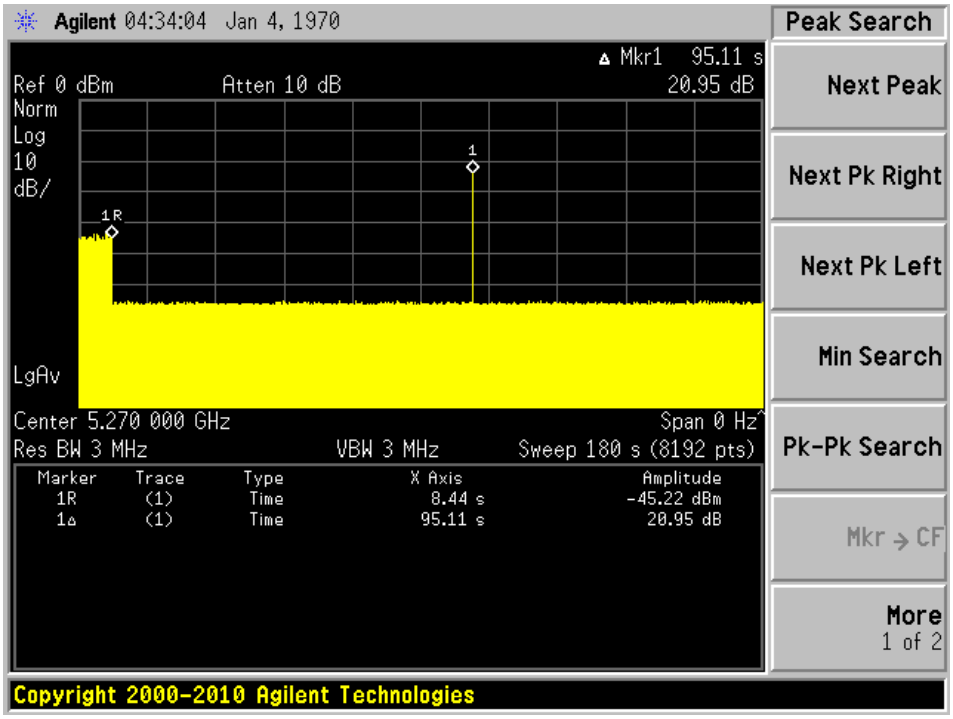
Note: The power-up cycle is 35 seconds.

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



No transmissions found after radar signal applied.

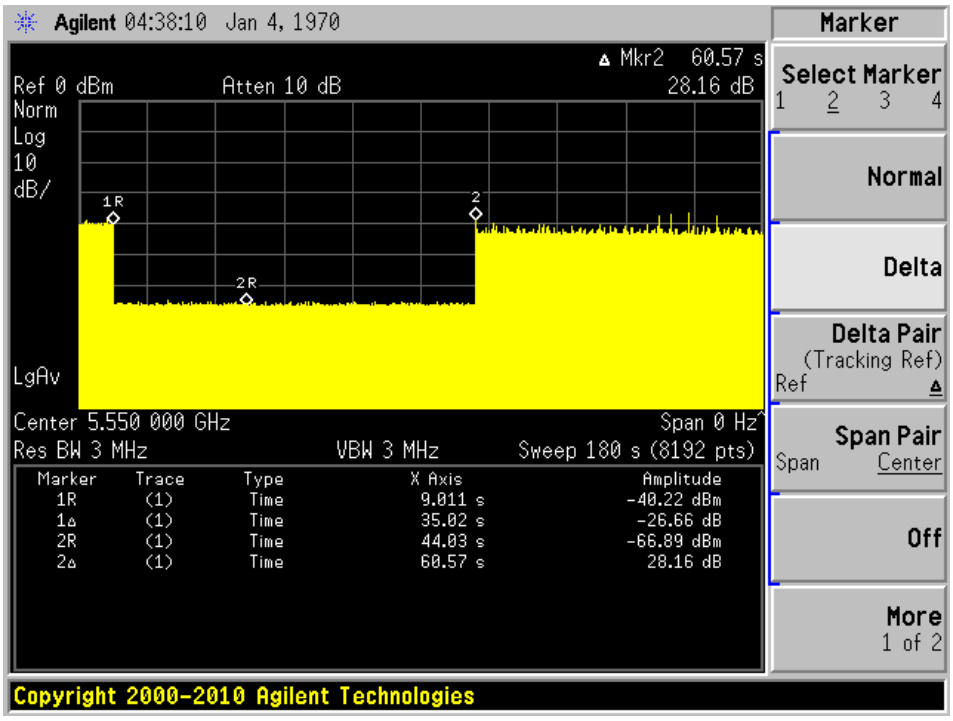
Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

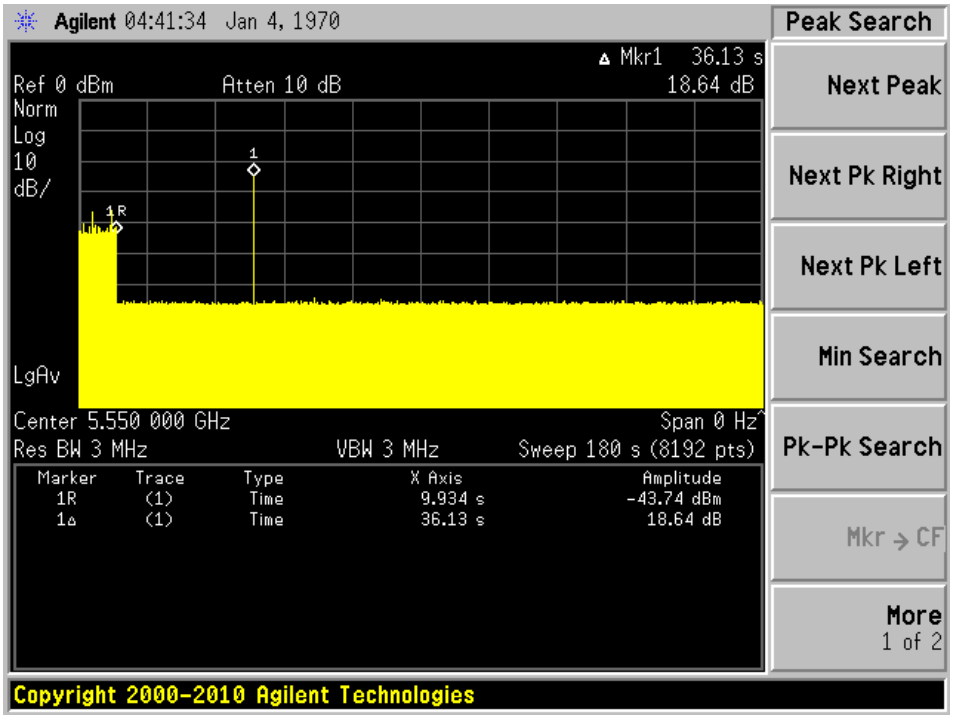
5550 MHz, 40 MHz Bandwidth

Plot of without Radar signal applied



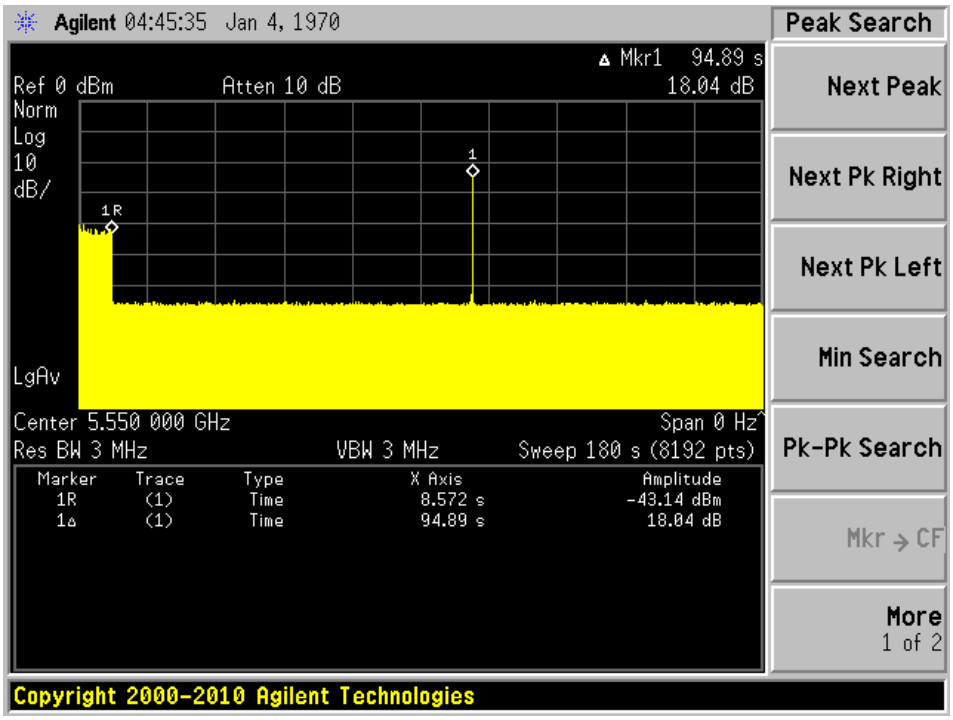
Note: The power-up cycle is 35 seconds.

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 type1 to type 4 short pulse radar waveform, BACL use type 3 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)

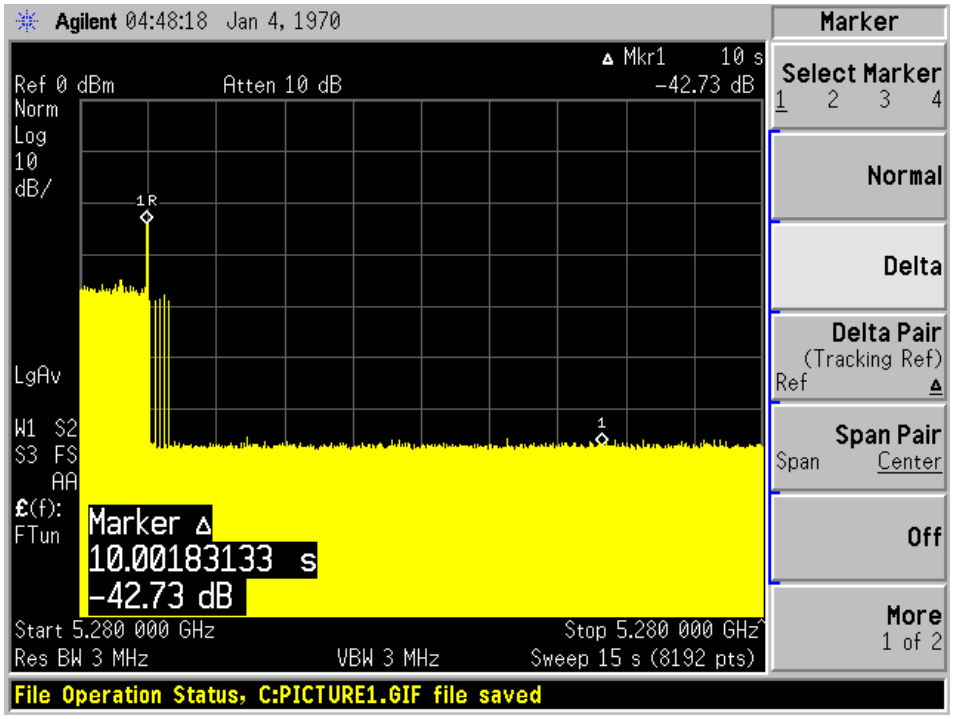
7.2 Test Results

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5280	20	Type 3	Compliant
		Type 5	Compliant
5580	20	Type 3	Compliant
		Type 5	Compliant
5270	40	Type 3	Compliant
		Type 5	Compliant
5550	40	Type 3	Compliant
		Type 5	Compliant

Please refer to the following tables and plots.

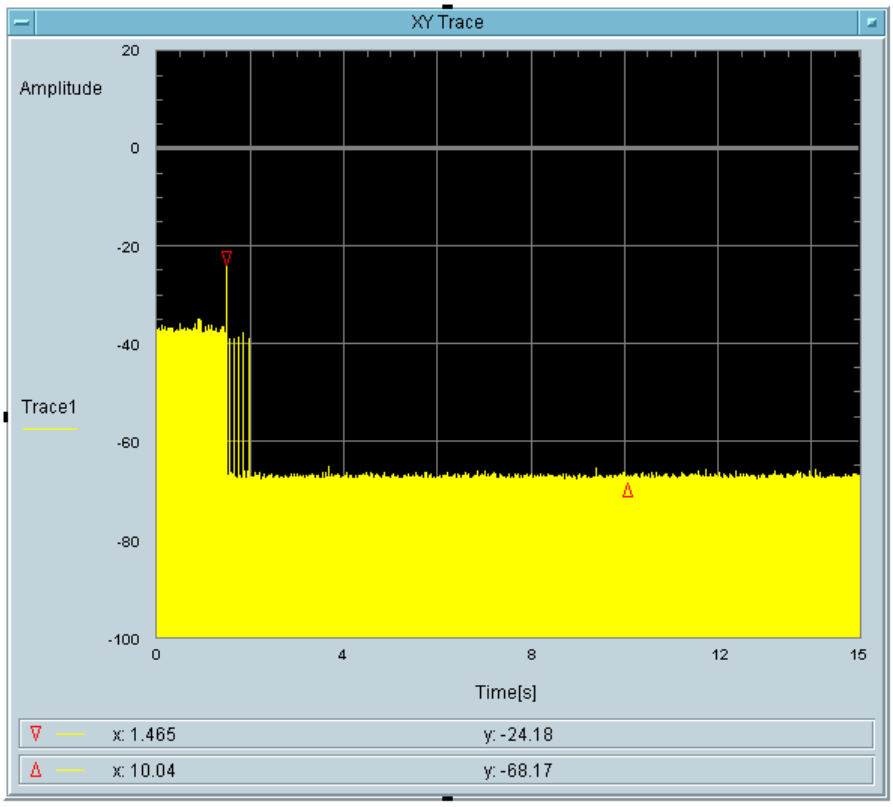
5280 MHz, Bandwidth 20 MHz

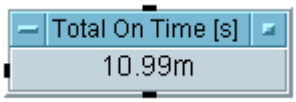
Type 3 radar channel move time result:

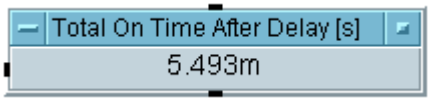


Type3 radar channel closing transmission time result:

Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
5.493	60	54.507

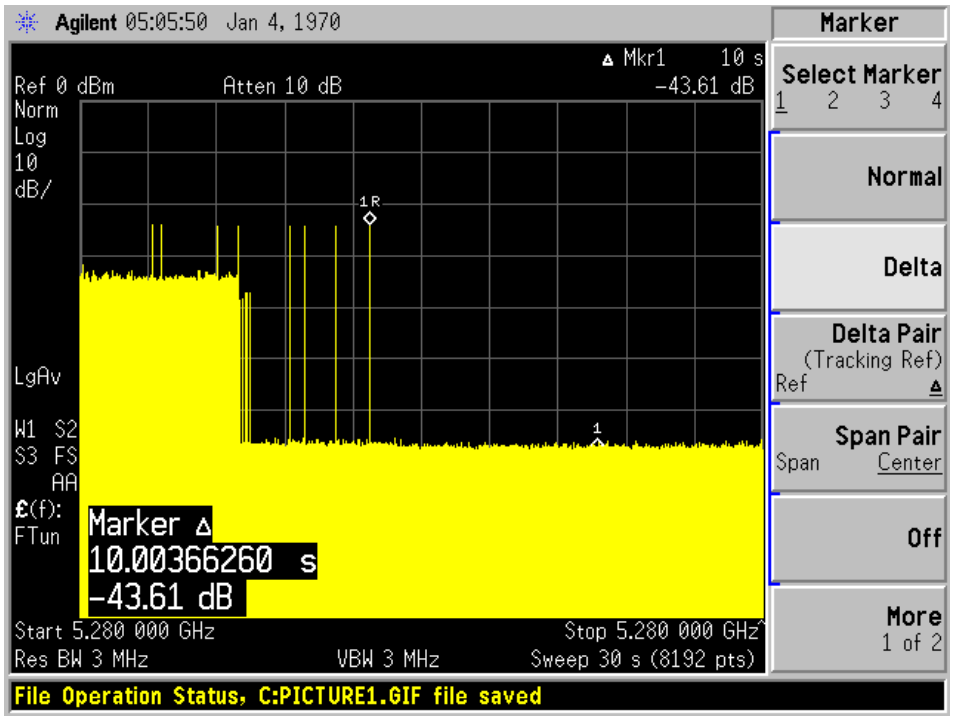






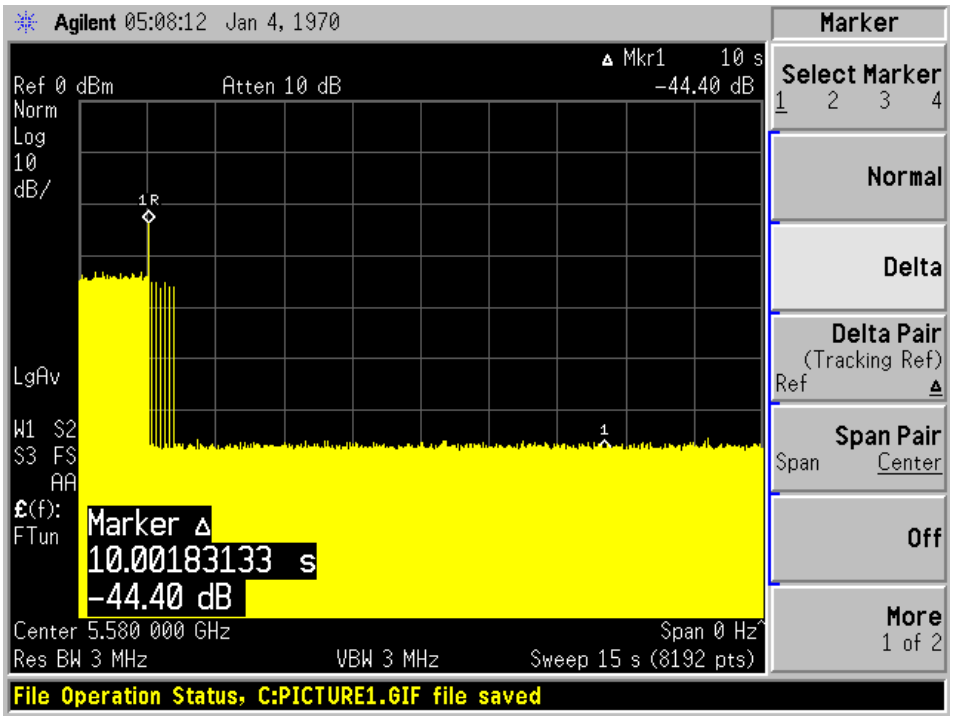
Type 5 radar channel move time result:

The traffic ceases period to the end of the radar waveform, therefore it also ceases period to 10 seconds after of the end of the radar waveform.



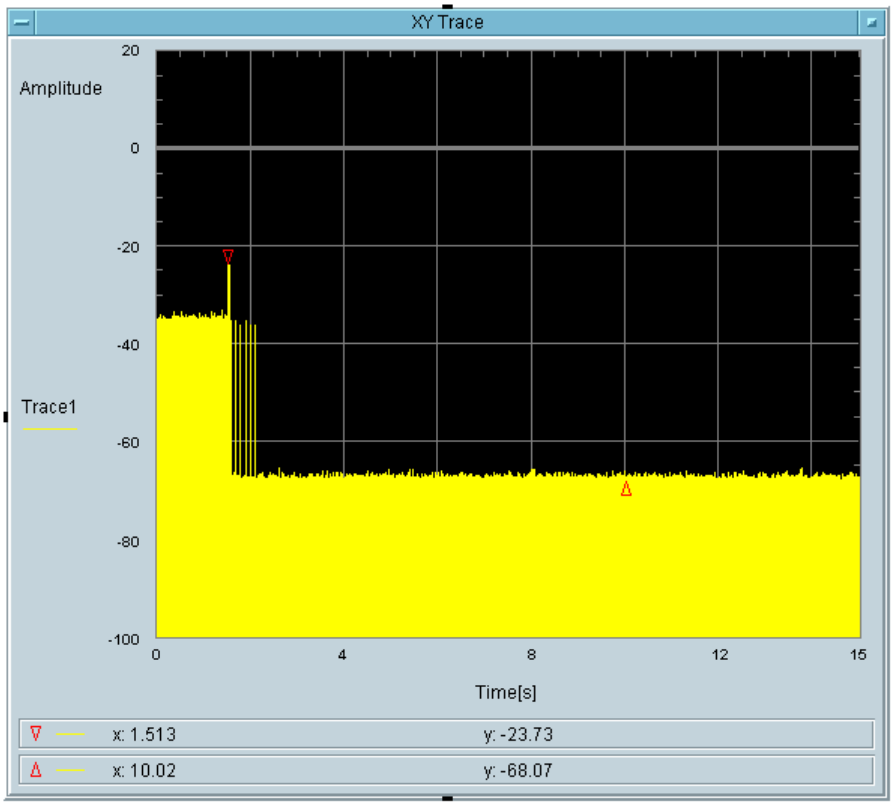
5580 MHz, Bandwidth 20 MHz

Type 3 radar channel move time result:



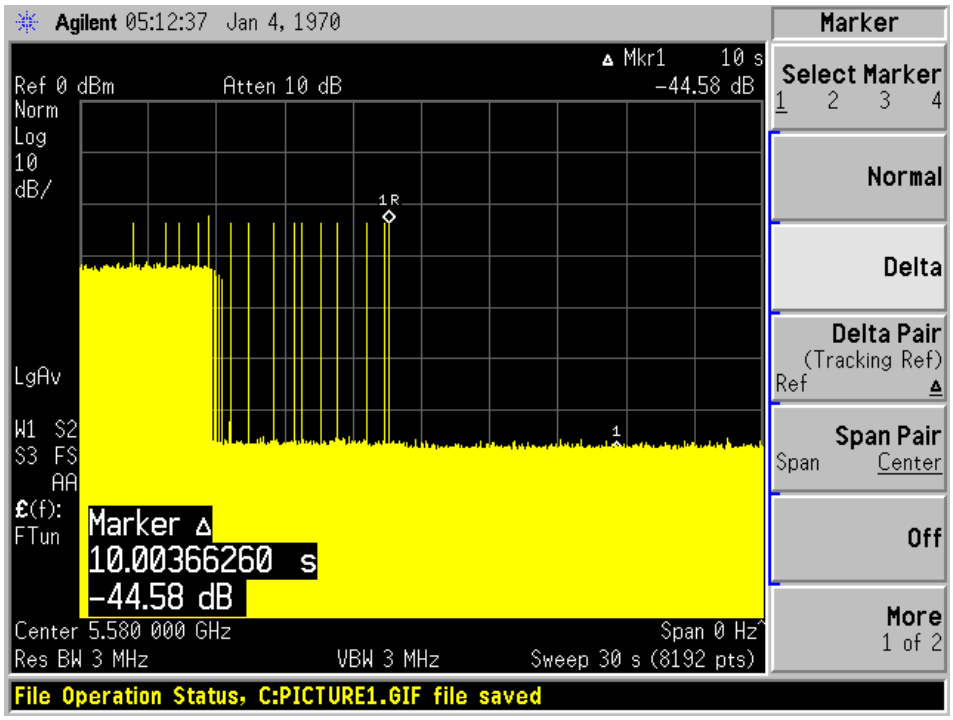
Type3 radar channel closing transmission time result:

Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
9.156	60	50.844



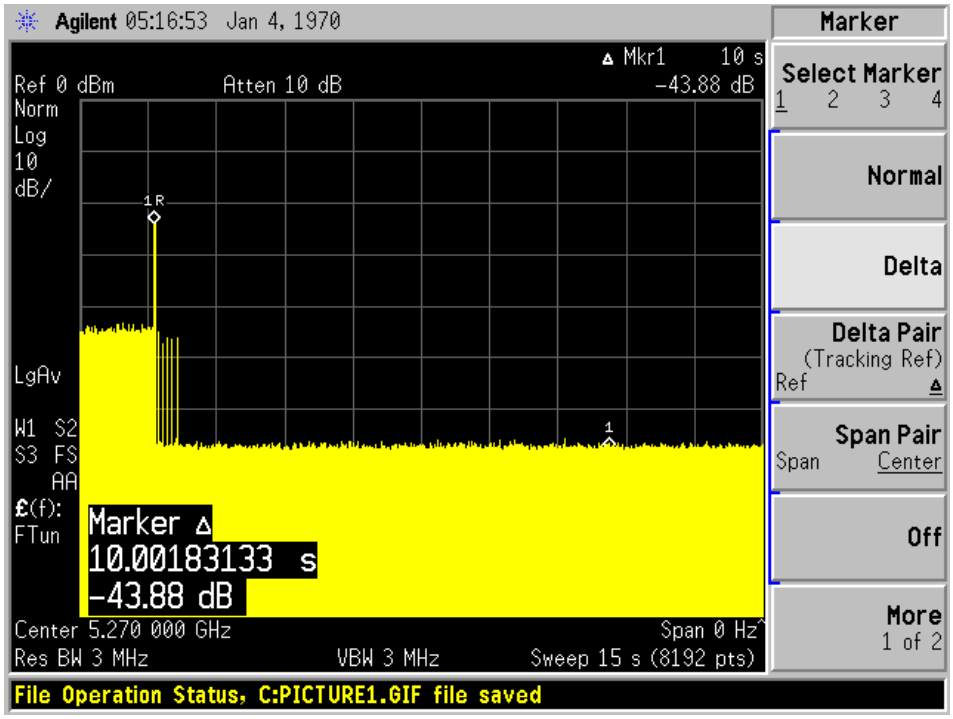
Type 5 radar channel move time result:

The traffic ceases period to the end of the radar waveform, therefore it also ceases period to 10 seconds after of the end of the radar waveform.



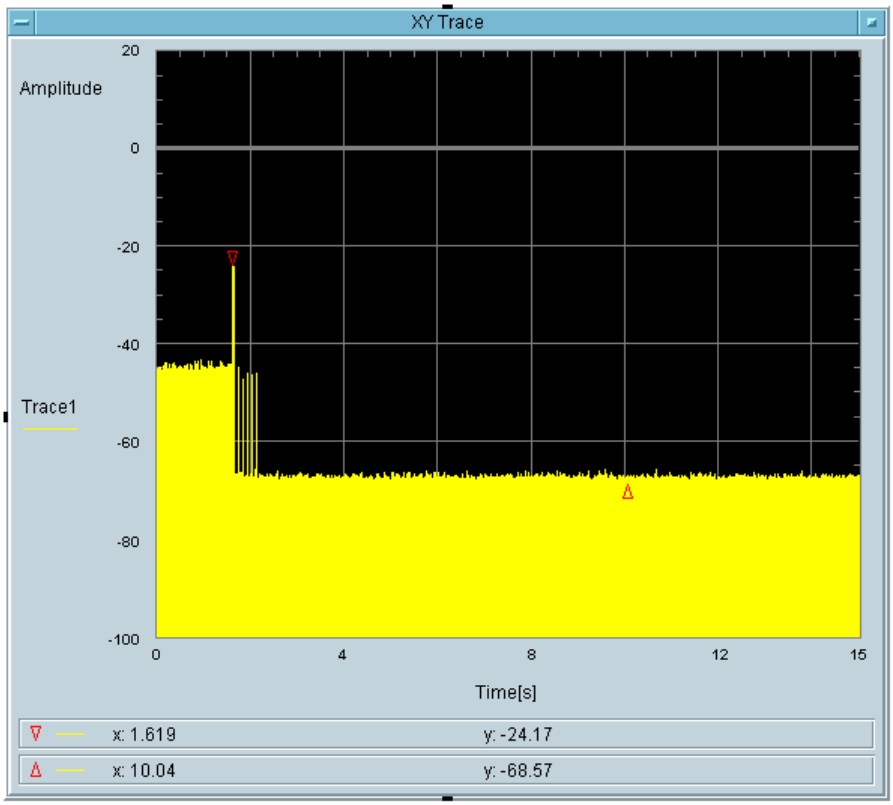
5270 MHz, Bandwidth 40 MHz

Type 3 radar channel move time result:



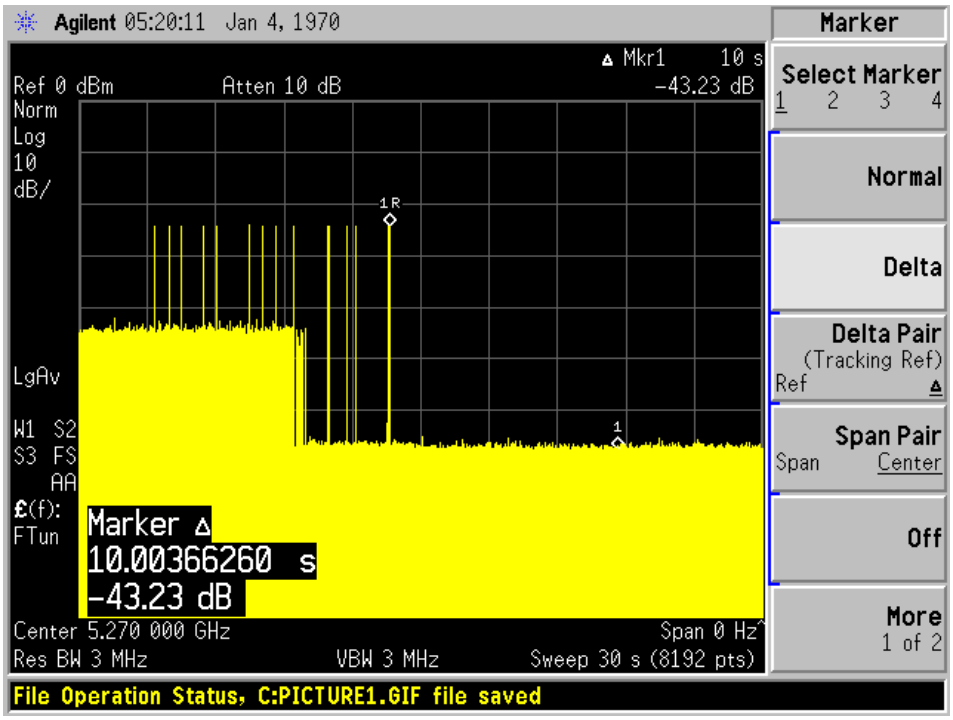
Type3 radar channel closing transmission time result:

Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
5.493	60	54.507



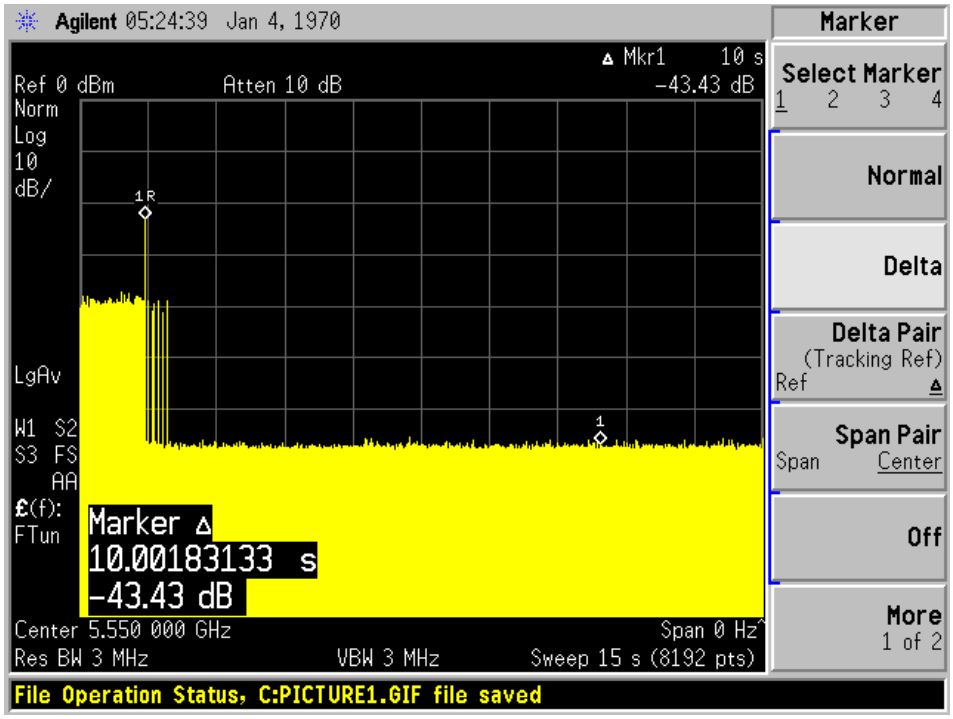
Type 5 radar channel move time result:

The traffic ceases period to the end of the radar waveform, therefore it also ceases period to 10 seconds after of the end of the radar waveform.



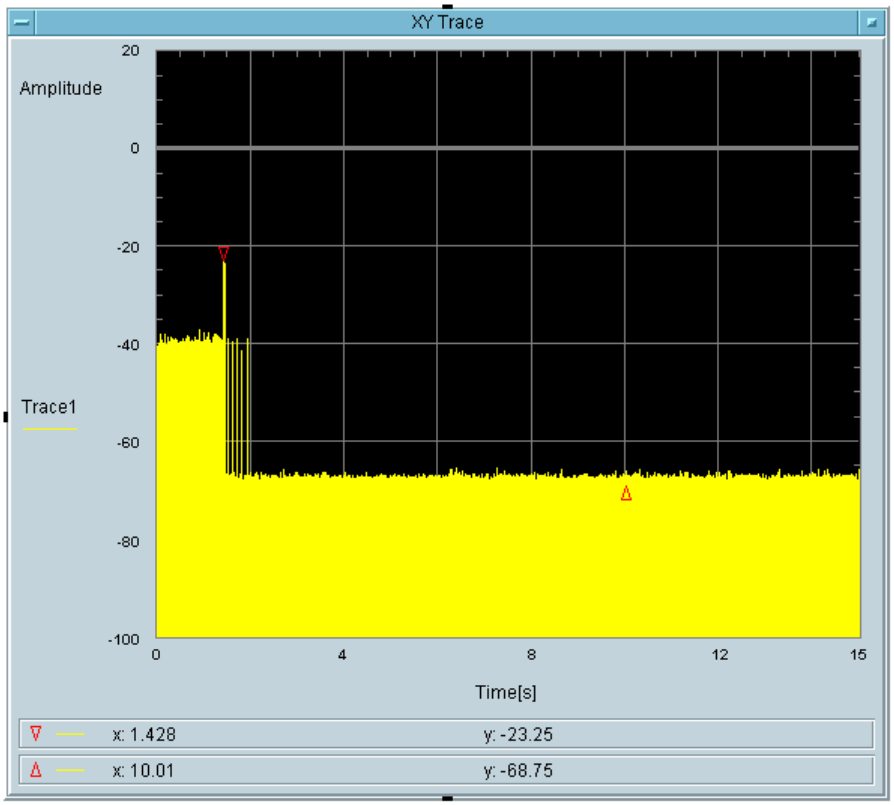
5550 MHz, Bandwidth 40 MHz

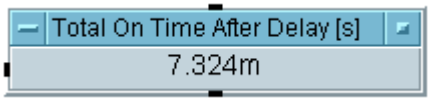
Type 3 radar channel move time result:



Type3 radar channel closing transmission time result:

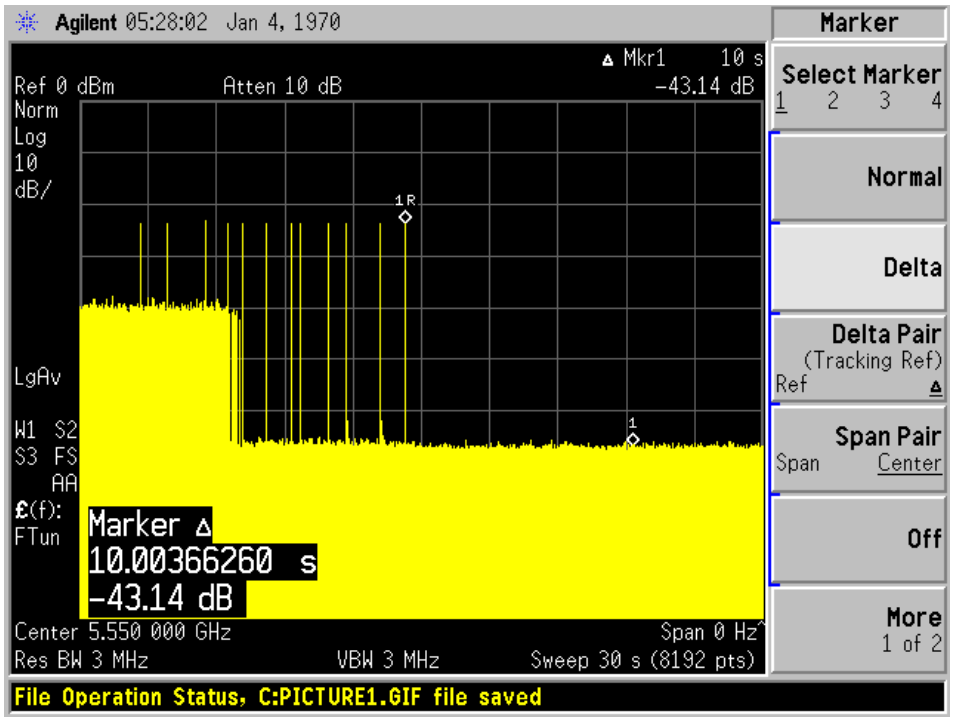
Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
7.324	60	52.676





Type 5 radar channel move time result:

The traffic ceases period to the end of the radar waveform, therefore it also ceases period to 10 seconds after of the end of the radar waveform.



8 Non-Occupancy Period

8.1 Test Procedure

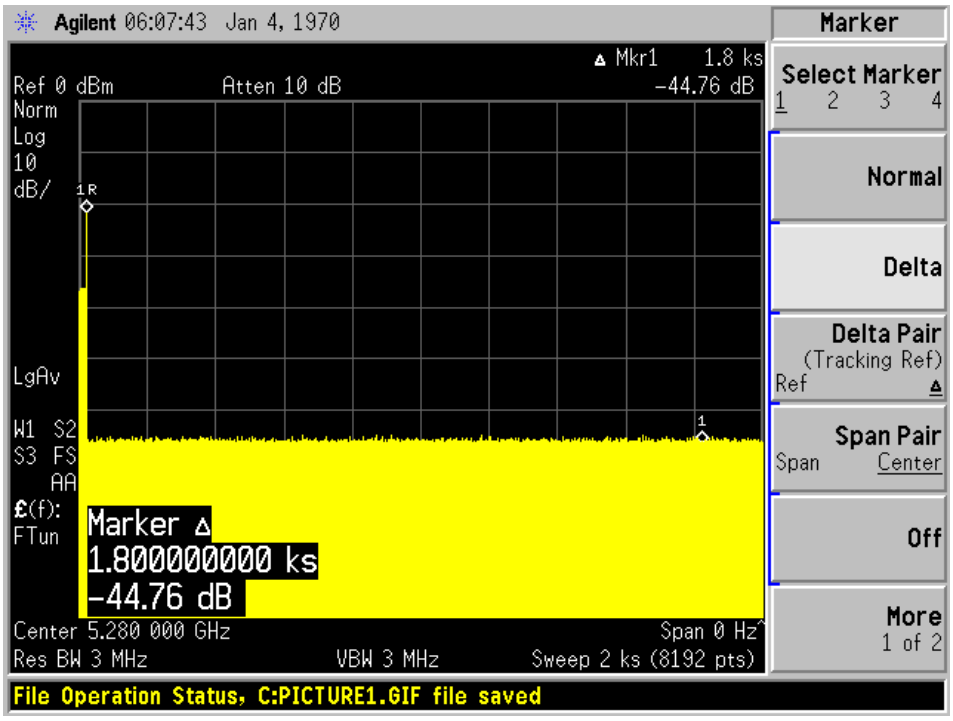
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Test Results

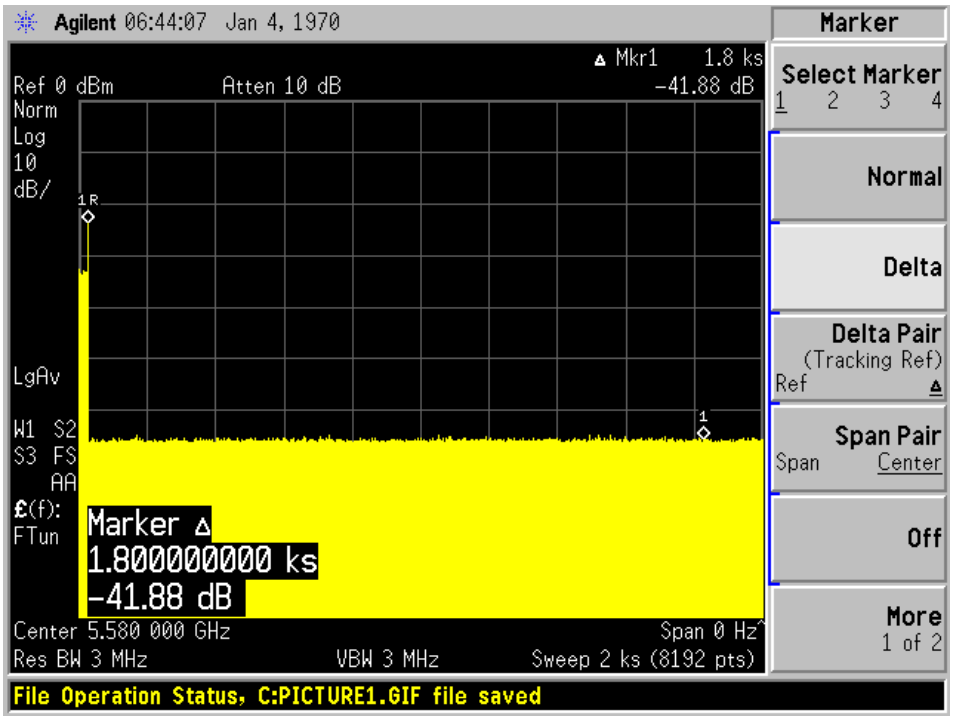
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5280	20	No transmission within 30 minutes
5580	20	No transmission within 30 minutes
5270	40	No transmission within 30 minutes
5550	40	No transmission within 30 minutes

Please refer to the following plots.

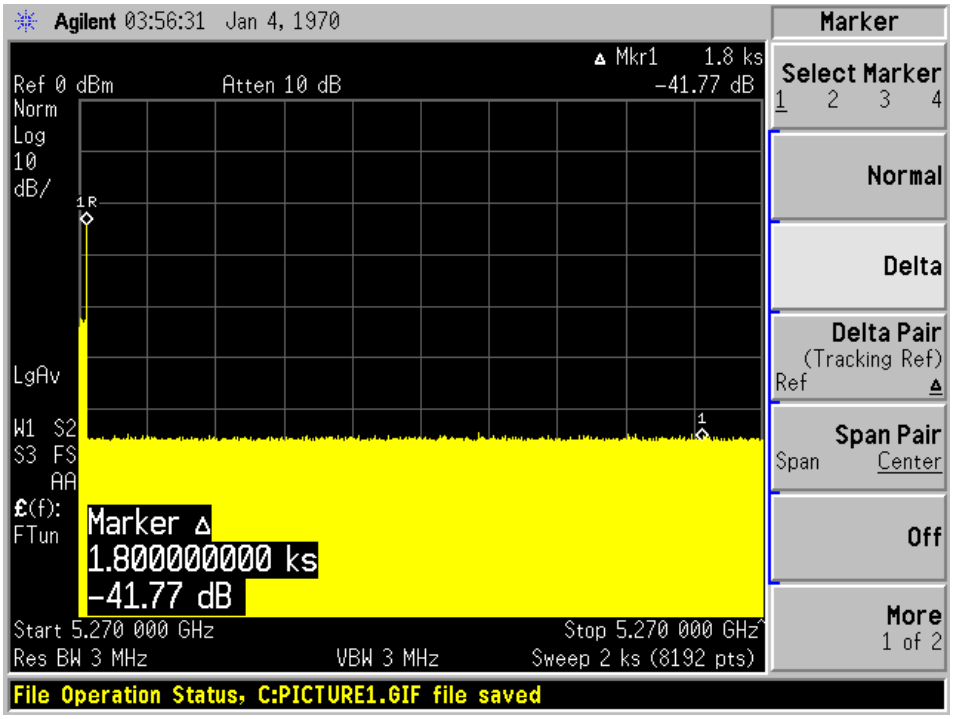
5280 MHz Bandwidth 20 MHz



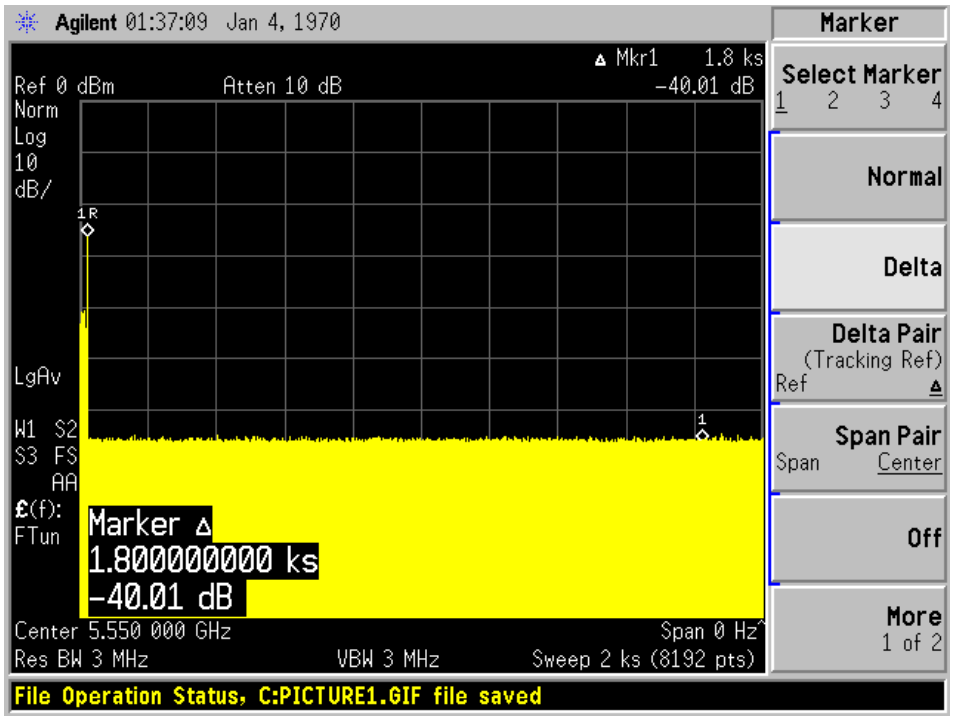
5580 MHz Bandwidth 20 MHz



5270 MHz Bandwidth 40 MHz



5550 MHz Bandwidth 40 MHz



9 Radar Detection

9.1 Detection Bandwidth

Procedure:

Performed with any one of the short pulse radar waveforms (type 1, 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 1 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 - 1 MHz, repeat the process, this time decrementing the radar frequency by 1 MHz

F_L is the lowest frequency at which detection was 80% or better
F_H is the highest frequency at which detection was 80% 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	5271	5291	20	80%	Compliance
5580	5571	5589	18	80%	Compliance
5270	5249	5291	42	80%	Compliance
5550	5529	5571	42	80%	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 (%)**
5270	1	1	0	1	0	0	0	0	1	1	50 %
5271(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5272	1	1	1	1	1	1	1	1	1	1	100 %
5273	1	1	1	1	1	1	1	1	1	1	100 %
5274	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	0	1	1	1	1	90 %
5276	1	1	1	1	1	1	1	1	1	1	100 %
5277	1	1	1	1	1	1	1	1	1	1	100 %
5278	1	1	1	1	1	1	1	1	1	1	100 %
5279	1	1	1	1	1	1	1	1	1	1	100 %
5280(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5281	1	1	1	1	1	1	1	1	1	1	100 %
5282	1	1	1	1	1	1	1	1	1	1	100 %
5283	1	1	1	0	1	1	1	1	1	1	90 %
5284	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5286	1	1	1	1	1	1	1	1	1	1	100 %
5287	1	1	1	1	1	1	1	1	1	1	100 %
5288	1	1	1	1	1	1	1	1	1	1	100 %
5289	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 = 22 MHz											
EUT 99% BW = 16.5948 MHz; 16.5948 * 80% = 13.27584 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 (%)**
5570	0	0	0	0	0	1	1	1	0	0	40 %
5571(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5572	1	1	1	1	1	1	1	1	1	1	100 %
5573	1	1	1	1	1	1	1	1	1	1	100 %
5574	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5576	1	1	1	1	1	1	1	1	1	1	100 %
5577	1	1	1	1	1	1	1	1	1	1	100 %
5578	1	1	1	1	1	1	1	1	1	1	100 %
5579	1	1	1	1	1	1	1	1	1	1	100 %
5580 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5581	1	1	1	1	1	1	1	1	1	1	100 %
5582	1	1	1	1	1	1	1	1	1	1	100 %
5583	1	1	1	1	1	1	1	1	1	1	100 %
5584	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5586	1	1	1	1	1	1	1	1	1	1	100 %
5587	1	1	1	1	1	1	1	1	1	1	100 %
5588	1	1	1	1	1	1	1	1	1	1	100 %
5589(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	0	1	0	0	0	1	1	1	1	60 %
Detection Bandwidth = $F_H - F_L$ = 5589-5571 = 18 MHz											
EUT 99% BW = 17.8195 MHz; 17.8195 * 80%= 14.2556 **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 %
5252	1	1	1	1	1	1	1	1	1	1	100 %
5254	1	1	1	1	1	1	1	1	1	1	100 %
5256	1	1	1	1	1	1	1	1	1	1	100 %
5258	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5262	1	1	1	1	1	1	1	1	1	1	100 %
5264	1	1	1	1	1	1	1	1	1	1	100 %
5266	1	1	1	1	1	1	1	1	1	1	100 %
5268	1	1	1	1	0	1	1	1	1	1	90 %
5270(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5272	1	1	1	1	1	1	1	1	1	1	100 %
5274	1	1	1	1	1	1	1	1	1	1	100 %
5276	1	1	1	1	1	1	1	1	1	1	100 %
5278	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5282	1	1	1	1	1	1	1	1	1	1	100 %
5284	1	1	1	1	1	1	1	1	1	1	100 %
5286	1	1	1	1	1	1	1	1	1	1	100 %
5288	1	1	1	1	1	1	1	1	1	1	100 %
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% BW = 36.3589 ; 36.3589 * 80% = 26.08712 MHz									**Result:**		Pass

EUT Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5529	0	0	0	0	0	0	0	0	0	0	0 %
5530(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5531	1	1	1	1	1	1	1	1	1	1	100 %
5532	1	1	1	1	1	1	1	1	1	1	100 %
5534	1	1	1	1	1	1	1	1	1	1	100 %
5536	1	1	1	1	1	1	1	1	1	1	100 %
5538	1	1	1	1	1	0	1	1	1	1	90 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5542	1	1	1	1	1	1	1	1	1	1	100 %
5544	1	1	1	1	1	1	1	1	1	1	100 %
5546	1	1	1	1	1	1	1	1	1	1	100 %
5548	1	1	1	1	1	1	1	1	1	1	100 %
5550 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5552	1	1	1	1	1	1	1	1	1	1	100 %
5554	1	1	1	1	1	1	1	1	1	1	100 %
5556	1	1	1	1	1	1	1	1	1	1	100 %
5558	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5562	1	1	1	1	1	1	1	1	1	1	100 %
5564	1	1	1	1	1	1	1	1	1	1	100 %
5566	1	1	1	1	1	1	1	1	1	1	100 %
5568	1	1	1	1	1	1	1	1	1	1	100 %
5569	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$ = 5570 – 5530 = 40 MHz											
EUT 99% BW = 36.3780 MHz; 36.3780 * 80% = 29.1024 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 1, 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 0	30	100 %	60%	Pass
Type 1 A	30	100 %	60%	Pass
Type 1 B				
Type 2	30	83.3 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	98.325 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5280 MHz, 20 MHz Bandwidth

Table-1 Radar Type 0 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	18	1	1428	1
2	5280	18	1	1428	1
3	5280	18	1	1428	1
4	5280	18	1	1428	1
5	5280	18	1	1428	1
6	5280	18	1	1428	1
7	5280	18	1	1428	1
8	5280	18	1	1428	1
9	5280	18	1	1428	1
10	5280	18	1	1428	1
11	5280	18	1	1428	1
12	5280	18	1	1428	1
13	5280	18	1	1428	1
14	5280	18	1	1428	1
15	5280	18	1	1428	1
16	5280	18	1	1428	1
17	5280	18	1	1428	1
18	5280	18	1	1428	1
19	5280	18	1	1428	1
20	5280	18	1	1428	1
21	5280	18	1	1428	1
22	5280	18	1	1428	1
23	5280	18	1	1428	1
24	5280	18	1	1428	1
25	5280	18	1	1428	1
26	5280	18	1	1428	1
27	5280	18	1	1428	1
28	5280	18	1	1428	1
29	5280	18	1	1428	1
30	5280	18	1	1428	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 1(A/B) Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1 (A)	5280	74	1	718	1
2 (A)	5280	68	1	778	1
3 (A)	5280	83	1	638	1
4 (A)	5280	72	1	738	1
5 (A)	5280	78	1	678	1
6 (A)	5280	99	1	538	1
7 (A)	5280	61	1	878	1
8 (A)	5280	95	1	558	1
9 (A)	5280	58	1	918	1
10 (A)	5280	89	1	598	1
11 (A)	5280	62	1	858	1
12 (A)	5280	76	1	698	1
13 (A)	5280	81	1	658	1
14 (A)	5280	57	1	938	1
15 (A)	5280	92	1	578	1
16 (B)	5280	56	1	953	1
17 (B)	5280	24	1	2247	1
18 (B)	5280	22	1	2435	1
19 (B)	5280	35	1	1536	1
20 (B)	5280	22	1	2483	1
21 (B)	5280	24	1	2231	1
22 (B)	5280	22	1	2418	1
23 (B)	5280	23	1	2337	1
24 (B)	5280	43	1	1245	1
25 (B)	5280	28	1	1946	1
26 (B)	5280	20	1	2681	1
27 (B)	5280	20	1	2741	1
28 (B)	5280	31	1	1745	1
29 (B)	5280	72	1	739	1
30 (B)	5280	21	1	2556	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	24	4.6	210	0
2	5280	23	3.4	213	1
3	5280	26	2.2	186	1
4	5280	23	1	169	1
5	5280	27	4.8	192	1
6	5280	27	3.5	194	1
7	5280	23	3.5	196	1
8	5280	25	4.9	206	1
9	5280	27	1.4	190	0
10	5280	27	1.2	205	1
11	5280	23	1	155	1
12	5280	26	3.6	192	1
13	5280	26	1	152	1
14	5280	28	3.5	225	1
15	5280	28	2.7	180	1
16	5280	29	3.6	160	1
17	5280	24	2.8	165	1
18	5280	28	1.2	223	0
19	5280	27	3.8	154	1
20	5280	28	1.3	173	1
21	5280	28	4.2	213	1
22	5280	27	4.3	167	1
23	5280	28	3.8	224	1
24	5280	26	4.4	150	1
25	5280	26	1.1	189	0
26	5280	26	4.2	201	1
27	5280	24	5	206	1
28	5280	28	4.4	153	1
29	5280	24	1.2	163	0
30	5280	23	3.7	167	1
Detection Percentage: 83.3 % (>60%)					

Table-4 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	16	9.9	496	1
2	5280	18	6.4	348	1
3	5280	17	8.8	289	1
4	5280	16	6.7	271	1
5	5280	18	9.6	404	1
6	5280	16	8.1	295	1
7	5280	18	6.7	206	1
8	5280	17	6.4	277	1
9	5280	17	6.9	492	1
10	5280	16	9.3	293	1
11	5280	18	8.8	314	1
12	5280	16	7.1	407	1
13	5280	16	6	407	1
14	5280	17	6.7	289	1
15	5280	17	7	397	1
16	5280	18	8.5	353	1
17	5280	18	8.1	263	1
18	5280	17	8.4	268	1
19	5280	17	9.3	271	1
20	5280	17	7.9	466	1
21	5280	18	6.9	203	1
22	5280	16	7.5	486	1
23	5280	16	8.3	407	1
24	5280	16	7.5	468	1
25	5280	18	8.2	247	1
26	5280	16	8.7	489	1
27	5280	16	6.5	417	1
28	5280	18	8.5	387	1
29	5280	16	9.1	231	1
30	5280	18	7	239	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5280	16	19.8	215	1
2	5280	15	15.9	370	1
3	5280	13	17.7	278	1
4	5280	13	15.5	386	1
5	5280	15	17.4	295	1
6	5280	13	15.3	268	1
7	5280	14	12	455	1
8	5280	15	15.3	356	1
9	5280	16	16.9	493	1
10	5280	14	12.9	424	1
11	5280	12	11.7	330	1
12	5280	13	12.7	393	1
13	5280	16	15.9	254	1
14	5280	12	11.2	372	1
15	5280	16	19.5	427	1
16	5280	14	11.6	251	1
17	5280	13	11.1	320	1
18	5280	12	17.1	254	1
19	5280	15	16.8	247	1
20	5280	13	20	316	1
21	5280	16	14.1	429	1
22	5280	12	12.9	250	1
23	5280	15	19.9	479	1
24	5280	15	19.3	500	1
25	5280	14	17.4	448	1
26	5280	15	16	430	1
27	5280	13	12.8	263	1
28	5280	13	13.7	327	1
29	5280	15	18.8	228	1
30	5280	14	15.4	240	1
Detection Percentage: 100 % (>60%)					

Table-6 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	70.7			0.26055	1
1	1	7	67.8			0.970246	
2	1	13	54.7			1.862076	
3	1	18	72.8			2.507156	
4	2	15	60.3	1664		3.766927	
5	3	8	52.1	1345	1862	4.764995	
6	2	11	96.4	1345		5.10763	
7	2	11	85.9	1410		6.188406	
8	1	5	76.6			6.888637	
9	1	18	66.7			7.905738	
10	2	18	74.9	1688		8.382632	
11	3	9	81.4	1306	1787	8.986359	
12	2	9	66.4	1657		9.640343	
13	2	17	67.3	1300		11.126924	
14	1	11	50.2			11.528668	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	57.5	1785	1280	0.197083	1
1	3	12	80.7	1562	1195	1.757407	
2	2	19	69.7	1965		3.001605	
3	2	16	95	1796		4.190959	
4	2	11	74.3	1756		5.27704	
5	2	12	94.3	1495		5.630642	
6	3	9	50.2	1428	1674	7.067711	
7	2	6	93.5	1948		8.349756	
8	2	16	93	1209		9.111745	
9	2	5	98.5	1804		10.898635	
10	3	10	75.7	1075	1708	11.556421	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	89.4			0.496152	1
1	2	18	82.7	1774		1.397683	
2	2	9	75.2	1550		2.090819	
3	1	9	82.5			3.109031	
4	3	6	82.3	1351	1843	3.720902	
5	3	16	63.9	1296	1347	4.353652	
6	2	6	93	1364		5.519937	
7	1	17	79.5			6.171999	
8	2	13	61.9	1346		7.52516	
9	3	16	63.8	1038	1423	8.345798	
10	1	19	53.8			8.970489	
11	1	9	52.8			9.684632	
12	1	18	99.9			11.103381	
13	2	11	81.5	1333		11.741331	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	90.1	1238		0.608504	1
1	3	18	93.7	1909	1123	2.016333	
2	2	13	59.5	1074		4.093624	
3	1	11	75			5.983602	
4	1	12	76			6.280174	
5	2	11	61.3	1245		7.606916	
6	3	7	90.8	1583	1269	9.928573	
7	3	11	67.9	1525	1861	11.879386	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	58.2	1686		0.788656	1
1	3	18	53.9	1161	1277	1.102527	
2	3	18	70	1836	1757	2.277456	
3	2	5	66.7	1090		3.25038	
4	2	17	51.6	1387		4.380823	
5	2	13	63.2	1420		5.450527	
6	2	17	71.3	1148		6.100997	
7	2	14	75	1275		7.002506	
8	1	18	63.9			8.576185	
9	3	6	56	1572	1030	9.87062	
10	2	8	89.1	1363		10.422934	
11	2	17	78.5	1692		11.109458	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	77.5	1915	1253	0.369888	1
1	2	9	99.6	1600		1.022397	
2	2	5	78.3	1249		2.451121	
3	2	12	54	1403		3.204286	
4	3	9	76.7	1418	1839	4.462344	
5	2	5	69.9	1667		5.557334	
6	1	11	61.2			6.553269	
7	2	15	72.5	1268		7.366337	
8	2	5	74.5	1936		8.889888	
9	3	17	95.3	1418	1876	9.791112	
10	3	10	90.5	1658	1876	10.630207	
11	2	6	69.5	1163		11.75502	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	52.4	1079	1632	0.490259	
1	3	13	69.2	1594	1321	1.269074	
2	2	19	97.6	1675		1.564807	
3	1	18	80.8			2.292785	
4	1	18	52.5			3.329627	
5	3	20	76.4	1743	1350	3.843427	
6	1	19	53.4			4.445506	
7	3	11	75.4	1867	1805	5.237391	
8	2	10	89.7	1821		5.727651	1
9	2	13	93.2	1022		6.883167	
10	1	7	55.9			7.65317	
11	2	16	70.7	1011		8.204367	
12	3	11	87.8	1126	1980	8.638894	
13	2	13	87.7	1536		9.379471	
14	2	18	70.5	1618		10.285817	
15	3	5	62.5	1358	1500	10.635145	
16	1	14	72.1			11.55054	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	67.9	1357		0.239922	
1	3	18	63	1382	1109	0.761081	
2	2	14	85.7	1159		2.231229	
3	1	20	63.1			2.281479	
4	2	8	59.9	1151		3.365868	
5	1	20	92.3			4.239628	
6	3	15	76.6	1996	1415	4.533405	
7	3	18	77.8	1491	1547	5.665358	
8	3	6	54.2	1300	1437	6.063048	1
9	2	9	90.5	1434		7.249199	
10	3	15	65.9	1060	1797	7.783332	
11	1	16	56.9			8.459005	
12	1	20	99.6			9.25487	
13	2	6	81.7	1086		9.955871	
14	2	8	97.7	1033		11.059384	
15	2	6	65.1	1586		11.658413	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	57.7	1351		0.397812	
1	3	5	55.2	1418	1386	1.1253	
2	3	8	98.6	1019	1312	1.364636	
3	3	14	90.6	1904	1828	2.027822	
4	1	9	58.1			2.959424	
5	1	11	78.9			3.274921	
6	1	13	81.3			4.289206	
7	1	6	65.4			4.436218	
8	1	14	86.9			5.585857	
9	1	7	82.3			5.697658	1
10	1	19	57.9			6.797306	
11	3	10	99.5	1830	1487	7.0806	
12	2	12	67.2	1063		7.715903	
13	2	15	84.3	1526		8.518661	
14	1	13	89.1			9.151462	
15	2	19	53.3	1418		9.685427	
16	2	7	85.3	1248		10.490386	
17	1	10	70.6			10.837509	
18	3	12	70.3	1686	1491	11.613767	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	69.6	1827	1347	0.941994	
1	2	16	68.7	1023		2.23977	
2	2	8	69.9	1961		3.541562	
3	1	12	87.1			4.343087	
4	1	14	99.6			5.57384	
5	3	10	58.9	1876	1580	7.133408	1
6	3	19	62.6	1770	1384	7.352582	
7	2	16	92.6	1572		8.821412	
8	3	19	82.8	1234	1808	9.853088	
9	3	20	58.6	1501	1308	11.632516	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	95.3	1979	1664	0.992603	
1	3	20	63.6	1136	1601	2.071806	
2	3	19	61.9	1384	1827	3.781416	
3	1	9	64.1			5.118076	
4	2	14	50.1	1845		5.421343	1
5	3	6	96.4	1114	1014	7.411181	
6	2	10	58.1	1239		8.348818	
7	2	9	55.4	1720		10.39392	
8	2	14	81.3	1726		10.785332	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	95.9	1961	1021	0.896433	
1	3	14	66.5	1343	1043	1.896257	
2	3	19	98.9	1531	1074	3.721151	
3	1	5	90.6			5.272472	
4	1	18	63.5			6.654009	1
5	2	9	90.8	1265		7.767464	
6	1	17	85.8			9.359148	
7	1	11	53.3			11.333974	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	93.8	1446		0.133017	
1	2	10	71.8	1728		1.418549	
2	2	17	62.8	1839		1.734333	
3	3	11	68.3	1809	1610	2.964826	
4	1	9	71.3			3.543746	
5	2	12	65.2	1516		4.004424	
6	3	13	88.3	1996	1567	5.571594	
7	2	17	80.3	1792		5.624378	1
8	2	19	64.7	1786		6.883457	
9	2	15	63.6	1451		7.538326	
10	1	15	71.3			8.623396	
11	2	15	83.5	1536		9.458345	
12	1	14	61.7			9.967781	
13	2	15	52.2	1261		10.75129	
14	2	14	97.3	1653		11.975391	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	84.1	1101	1752	0.087944	
1	1	8	94.3			1.004802	
2	2	8	59.7	1473		2.145447	
3	2	13	56	1803		3.281151	
4	2	8	82.7	1666		3.773251	
5	2	16	76	1908		4.677403	
6	2	9	74.8	1982		5.683673	
7	3	15	83.4	1871	1625	6.616253	1
8	2	9	68.1	1716		7.06252	
9	2	19	94.6	1037		8.410734	
10	2	14	67.7	1839		9.116921	
11	2	13	65.5	1753		9.442435	
12	1	11	81.2			10.378364	
13	2	9	97.3	1542		11.681387	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	98.5	1336		0.363227	1
1	2	18	73.3	1551		1.21332	
2	2	8	95.6	1029		1.920943	
3	2	7	84.4	1345		2.855811	
4	3	10	96.9	1393	1999	3.244084	
5	3	13	51.9	1124	1759	4.180981	
6	3	5	55	1132	1699	4.932625	
7	2	12	55.3	1795		5.312199	
8	1	18	54.8			6.572829	
9	3	18	68.7	1559	1536	6.790689	
10	2	6	62.7	1665		7.594176	
11	3	12	56.2	1240	1074	8.815202	
12	1	13	74.8			9.382524	
13	2	15	59.8	1662		9.903199	
14	2	5	83.1	1470		10.637126	
15	2	9	63.2	1101		11.660867	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	87.6	1333		0.818844	1
1	2	10	62.7	1599		1.739862	
2	2	6	56	1643		2.850734	
3	1	8	54.6			3.065967	
4	2	8	67	1718		4.817606	
5	1	16	72.9			5.509276	
6	3	18	66.3	1094	1280	6.119877	
7	2	10	99.9	1735		7.125772	
8	3	11	80.2	1973	1337	8.896374	
9	2	19	77.9	1381		9.289919	
10	1	11	97.7			10.545763	
11	2	8	89.8	1641		11.073773	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	52.5	1647		0.76872	
1	1	20	71.4			1.148762	
2	1	16	93.8			1.993552	
3	1	5	64.8			3.083337	
4	1	6	77.9			3.942985	
5	2	8	56.9	1799		4.967958	
6	2	12	95.2	1914		5.83505	
7	3	17	75.4	1519	1508	6.300829	1
8	2	18	53.7	1850		7.15398	
9	2	8	66.9	1526		8.083648	
10	1	19	51.3			9.050295	
11	3	8	68.8	1539	1825	9.969516	
12	1	6	82.5			10.670362	
13	1	14	96.4			11.840212	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	89	1121	1124	0.846582	
1	2	15	58.5	1441		1.156745	
2	2	5	56.6	1112		2.499974	
3	2	6	72.5	1735		3.206215	
4	2	10	66.6	1908		4.573062	
5	2	15	75.9	1246		5.083249	
6	2	12	94.7	1134		5.895453	1
7	2	14	55.4	1122		6.82658	
8	2	6	77	1388		7.900291	
9	1	10	52.9			8.936655	
10	1	17	85.1			9.450244	
11	2	5	96.6	1582		10.477876	
12	2	13	65.5	1619		11.567602	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	61.2	1310		0.02665	
1	2	19	64.3	1944		0.706544	
2	1	15	63.7			2.092391	
3	2	9	87.8	1393		2.392868	
4	3	20	75.2	1525	1882	3.241233	
5	1	20	61			4.190109	
6	1	16	65.1			4.818524	
7	2	7	97.4	1109		5.256173	
8	2	19	54.4	1203		6.241481	1
9	2	15	95	1825		6.48241	
10	3	8	55.8	1626	1119	7.613203	
11	3	14	59.7	1820	1186	7.805754	
12	1	13	51			9.145176	
13	3	6	71.2	1187	1967	9.478474	
14	3	6	75.5	1845	1487	9.883904	
15	3	13	90.2	1642	1029	10.855119	
16	3	19	91.1	1020	1132	11.579652	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	63.8	1100		0.903573	
1	3	13	58.6	1285	1461	2.339675	
2	1	8	50.3			3.391799	
3	2	16	67.2	1062		4.043537	
4	2	7	55.2	1509		5.723926	
5	2	18	50.6	1990		7.023282	1
6	2	18	57.4	1340		8.018874	
7	2	16	72.3	1345		8.79632	
8	3	16	75.8	1224	1840	9.768099	
9	3	20	91.3	1022	1553	10.821426	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	67			0.229495	1
1	1	8	96.7			1.020995	
2	2	12	69.5	1169		2.028565	
3	2	18	67	1343		2.751153	
4	1	18	55.5			3.121401	
5	1	16	52.5			4.419683	
6	2	9	88.4	1963		4.648755	
7	2	14	91	1462		5.98614	
8	1	20	50.7			6.644218	
9	2	10	62.3	1640		6.89874	
10	1	13	81.4			8.167016	
11	2	7	94.6	1925		8.453053	
12	2	18	61.7	1391		9.71428	
13	1	18	67.5			9.890809	
14	3	10	99.7	1417	1982	11.161674	
15	1	18	59.9			11.714003	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	72.8			0.20237	1
1	1	16	51.6			1.446007	
2	3	16	96.7	1107	1882	1.54357	
3	2	7	92.6	1062		2.377037	
4	1	19	65.7			3.151063	
5	1	20	93.2			4.321138	
6	1	8	88.5			4.672603	
7	2	10	62.5	1678		5.916174	
8	2	10	77.6	1412		6.15439	
9	1	20	92.7			6.964409	
10	3	10	67.7	1359	1544	7.825632	
11	2	13	74.9	1960		8.850659	
12	2	18	88.2	1635		9.484251	
13	3	15	59.4	1149	1384	9.799204	
14	1	6	55.3			11.222365	
15	2	19	54	1693		11.546837	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	98.2	1336		0.543221	
1	2	18	82.4	1210		0.996381	
2	2	5	99.8	1339		2.358639	
3	3	8	79	1191	1259	2.738906	
4	1	8	91.9			3.775093	
5	1	18	59.9			4.017201	
6	2	18	57.9	1416		5.145752	
7	3	15	61.2	1427	1811	6.150445	1
8	3	16	94	1234	1190	6.476325	
9	2	8	66	1637		7.795081	
10	2	10	57.5	1170		8.290149	
11	3	9	63.1	1863	1305	9.415353	
12	2	19	60.5	1281		9.898432	
13	2	15	83.9	1346		10.537584	
14	1	9	96.5			11.371175	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	91.6			0.05419	
1	3	8	53.3	1470	1227	2.159853	
2	3	11	97.7	1399	1834	2.97767	
3	2	6	89	1019		3.826881	
4	2	11	79.7	1987		4.999921	
5	3	11	91.7	1914	1046	5.593032	1
6	3	11	78.6	1730	1582	7.03868	
7	1	17	80.2			7.795385	
8	2	6	98.8	1916		8.908923	
9	1	7	84.1			10.57116	
10	1	16	82.1			11.885455	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	55.4	1479		0.446588	
1	2	15	75.1	1083		1.529644	
2	2	15	57.1	1153		2.001529	
3	2	15	89.7	1784		3.612901	
4	2	11	65.7	1795		4.268125	
5	3	12	89.2	1549	1973	5.523863	1
6	3	11	94.3	1508	1467	6.74281	
7	2	14	58.5	1516		7.88486	
8	1	15	50.2			8.010307	
9	2	11	85.6	1060		9.304961	
10	2	10	94.8	1065		10.17509	
11	3	20	75.4	1276	1985	11.131478	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	60.1	1707	1550	0.106877	
1	2	13	57.2	1187		0.819786	
2	2	8	71.5	1937		1.534234	
3	1	6	94.3			2.542507	
4	1	13	74.4			2.725499	
5	2	17	97.3	1675		3.492741	
6	1	6	50.5			4.391761	
7	3	13	76.2	1582	1124	4.812913	
8	3	12	83	1925	1020	5.717392	
9	2	12	96.4	1302		6.518927	1
10	3	16	87.8	1977	1399	6.758702	
11	2	16	65	1975		7.883556	
12	1	5	98			8.532363	
13	1	16	52.1			8.97098	
14	2	12	94.7	1144		9.688306	
15	3	9	87.1	1036	1988	10.415842	
16	2	11	56.9	1036		10.901013	
17	1	20	56.4			11.40157	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	67.4	1149	1664	0.786942	1
1	2	5	81.9	1719		1.580837	
2	2	10	61.4	1114		1.809811	
3	2	12	81.7	1601		2.938446	
4	3	14	96.5	1733	1129	4.225813	
5	3	18	63.3	1372	1935	4.347058	
6	2	13	90.1	1901		5.372768	
7	3	17	63.9	1283	1131	6.083942	
8	3	14	68.6	1449	1462	7.181894	
9	2	19	76.1	1030		8.491459	
10	3	8	90.6	1547	1398	9.064891	
11	2	18	70.5	1342		9.454838	
12	3	8	90.3	1789	1180	10.702241	
13	1	19	90.6			11.738659	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	81.3	1620	1556	0.325545	1
1	2	16	94	1584		1.974726	
2	2	11	59.6	1597		2.994035	
3	2	13	57.1	1076		4.552294	
4	2	13	75	1940		5.519153	
5	2	17	93	1164		6.861352	
6	1	9	69.7			7.924252	
7	2	12	67.4	1919		9.222887	
8	3	8	94.9	1063	1824	9.995425	
9	2	14	87.6	1886		11.565988	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	86	1905	1339	0.906902	
1	2	10	63.3	1208		1.719123	
2	2	17	66.9	1973		3.585887	
3	1	6	72.8			4.462638	
4	1	17	93.8			6.060292	1
5	2	19	94.6	1592		7.786731	
6	2	13	57.3	1179		8.627919	
7	3	8	93.3	1390	1889	9.44426	
8	1	11	52.1			11.837463	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	50.4	1598		1.092395	
1	3	17	98.4	1251	1473	1.552607	
2	1	17	92.9			2.708959	
3	3	18	95.8	1389	1927	3.835099	
4	2	17	61	1467		5.230477	
5	2	12	72.1	1460		6.665569	1
6	3	14	64.2	1552	1131	8.336232	
7	1	13	89.8			9.317579	
8	2	18	61.1	1555		10.73652	
9	1	17	67			11.587444	

Table-7 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	5566.0, 5584.0, 5415.0, 5262.0, 5447.0, 5254.0, 5332.0, 5485.0, 5636.0, 5303.0, 5699.0, 5442.0, 5333.0, 5682.0, 5562.0, 5457.0, 5610.0, 5268.0, 5637.0, 5685.0, 5341.0, 5693.0, 5631.0, 5304.0, 5526.0, 5539.0, 5462.0, 5532.0, 5669.0, 5549.0, 5267.0, 5559.0, 5483.0, 5500.0, 5714.0, 5518.0, 5297.0, 5285.0, 5306.0, 5551.0, 5482.0, 5291.0, 5517.0, 5484.0, 5651.0, 5343.0, 5710.0, 5378.0, 5576.0, 5572.0, 5547.0, 5365.0, 5481.0, 5540.0, 5543.0, 5535.0, 5383.0, 5361.0, 5644.0, 5375.0, 5380.0, 5369.0, 5325.0, 5598.0, 5504.0, 5704.0, 5652.0, 5328.0, 5620.0, 5564.0, 5464.0, 5255.0, 5713.0, 5311.0, 5478.0, 5611.0, 5346.0, 5290.0, 5321.0, 5260.0, 5612.0, 5724.0, 5605.0, 5407.0, 5340.0, 5673.0, 5516.0, 5410.0, 5606.0, 5266.0, 5510.0, 5554.0, 5372.0, 5358.0, 5617.0, 5603.0, 5301.0, 5657.0, 5675.0, 5318.0 (number of hits: 9)
2	5280	9	1	333	1	5369.0, 5463.0, 5652.0, 5720.0, 5341.0, 5459.0, 5708.0, 5291.0, 5698.0, 5605.0, 5707.0, 5380.0, 5612.0, 5514.0, 5695.0, 5542.0, 5253.0, 5306.0, 5678.0, 5324.0, 5599.0, 5319.0, 5360.0, 5555.0, 5512.0, 5680.0, 5355.0, 5624.0, 5416.0, 5455.0, 5540.0, 5350.0, 5446.0, 5273.0, 5601.0, 5621.0, 5346.0, 5660.0, 5538.0, 5591.0, 5484.0, 5269.0, 5568.0, 5470.0, 5365.0, 5345.0, 5342.0, 5387.0, 5400.0, 5558.0, 5271.0, 5664.0, 5688.0, 5579.0, 5453.0, 5703.0, 5554.0, 5505.0, 5359.0, 5293.0, 5478.0, 5404.0, 5472.0, 5521.0, 5546.0, 5567.0, 5593.0, 5497.0, 5405.0, 5267.0, 5281.0, 5597.0, 5419.0, 5686.0, 5577.0, 5516.0, 5626.0, 5635.0, 5530.0, 5637.0, 5483.0, 5634.0, 5588.0, 5492.0, 5513.0, 5264.0, 5696.0, 5374.0, 5318.0, 5490.0, 5504.0, 5564.0, 5524.0, 5548.0, 5333.0, 5394.0, 5406.0, 5420.0, 5701.0, 5367.0 (number of hits: 3)
3	5280	9	1	333	1	5547.0, 5361.0, 5477.0, 5531.0, 5716.0, 5512.0, 5377.0, 5266.0, 5440.0, 5416.0, 5499.0, 5375.0, 5666.0, 5254.0, 5653.0, 5511.0, 5603.0, 5429.0, 5437.0, 5421.0, 5618.0, 5562.0, 5570.0, 5255.0, 5553.0, 5560.0, 5597.0, 5673.0, 5719.0, 5350.0, 5639.0, 5432.0, 5258.0, 5621.0, 5353.0, 5451.0, 5668.0, 5658.0, 5302.0, 5650.0, 5261.0, 5608.0, 5699.0, 5392.0, 5460.0, 5290.0, 5314.0, 5554.0, 5537.0, 5509.0, 5594.0, 5704.0, 5428.0, 5501.0, 5372.0,

						5452.0, 5632.0, 5450.0, 5694.0, 5520.0, 5528.0, 5349.0, 5521.0, 5671.0, 5471.0, 5517.0, 5496.0, 5494.0, 5273.0, 5717.0, 5500.0, 5330.0, 5469.0, 5633.0, 5628.0, 5400.0, 5305.0, 5636.0, 5303.0, 5620.0, 5335.0, 5640.0, 5498.0, 5329.0, 5280.0, 5348.0, 5417.0, 5678.0, 5488.0, 5595.0, 5364.0, 5324.0, 5536.0, 5256.0, 5567.0, 5253.0, 5505.0, 5263.0, 5546.0, 5478.0 (number of hits: 5)
4	5280	9	1	333	1	5599.0, 5533.0, 5354.0, 5653.0, 5307.0, 5705.0, 5564.0, 5457.0, 5439.0, 5579.0, 5396.0, 5252.0, 5427.0, 5558.0, 5656.0, 5442.0, 5469.0, 5576.0, 5428.0, 5698.0, 5464.0, 5518.0, 5631.0, 5524.0, 5420.0, 5272.0, 5412.0, 5288.0, 5622.0, 5336.0, 5311.0, 5426.0, 5608.0, 5588.0, 5681.0, 5646.0, 5574.0, 5505.0, 5368.0, 5500.0, 5353.0, 5710.0, 5541.0, 5496.0, 5549.0, 5357.0, 5509.0, 5325.0, 5613.0, 5475.0, 5379.0, 5348.0, 5380.0, 5668.0, 5355.0, 5264.0, 5611.0, 5606.0, 5277.0, 5514.0, 5408.0, 5528.0, 5324.0, 5636.0, 5610.0, 5269.0, 5621.0, 5486.0, 5422.0, 5404.0, 5349.0, 5295.0, 5373.0, 5440.0, 5259.0, 5303.0, 5616.0, 5594.0, 5286.0, 5598.0, 5678.0, 5320.0, 5410.0, 5674.0, 5546.0, 5489.0, 5708.0, 5516.0, 5593.0, 5577.0, 5499.0, 5271.0, 5430.0, 5686.0, 5308.0, 5282.0, 5494.0, 5372.0, 5504.0, 5370.0 (number of hits: 7)
5	5280	9	1	333	1	5343.0, 5407.0, 5576.0, 5500.0, 5486.0, 5646.0, 5475.0, 5410.0, 5471.0, 5427.0, 5673.0, 5607.0, 5266.0, 5296.0, 5263.0, 5592.0, 5357.0, 5514.0, 5512.0, 5299.0, 5598.0, 5530.0, 5278.0, 5626.0, 5694.0, 5695.0, 5642.0, 5414.0, 5511.0, 5665.0, 5681.0, 5579.0, 5315.0, 5473.0, 5443.0, 5505.0, 5524.0, 5685.0, 5617.0, 5661.0, 5376.0, 5588.0, 5484.0, 5430.0, 5629.0, 5441.0, 5672.0, 5689.0, 5385.0, 5331.0, 5712.0, 5415.0, 5508.0, 5543.0, 5287.0, 5367.0, 5281.0, 5563.0, 5359.0, 5336.0, 5460.0, 5567.0, 5411.0, 5660.0, 5542.0, 5360.0, 5711.0, 5457.0, 5686.0, 5434.0, 5493.0, 5332.0, 5532.0, 5651.0, 5488.0, 5479.0, 5650.0, 5722.0, 5523.0, 5641.0, 5677.0, 5309.0, 5462.0, 5362.0, 5610.0, 5580.0, 5350.0, 5286.0, 5639.0, 5497.0, 5701.0, 5658.0, 5705.0, 5258.0, 5409.0, 5664.0, 5529.0, 5596.0, 5560.0, 5310.0 (number of hits: 6)
6	5280	9	1	333	1	5550.0, 5495.0, 5490.0, 5332.0, 5701.0, 5404.0, 5291.0, 5625.0, 5557.0, 5360.0, 5284.0, 5692.0, 5317.0, 5250.0, 5372.0, 5379.0, 5331.0, 5696.0, 5408.0, 5468.0, 5604.0, 5660.0, 5336.0, 5366.0, 5282.0, 5378.0, 5474.0, 5458.0, 5565.0, 5449.0, 5592.0, 5489.0, 5482.0, 5253.0, 5670.0,

						5392.0, 5315.0, 5261.0, 5381.0, 5642.0, 5619.0, 5352.0, 5655.0, 5359.0, 5452.0, 5614.0, 5262.0, 5581.0, 5527.0, 5374.0, 5422.0, 5354.0, 5700.0, 5365.0, 5630.0, 5487.0, 5477.0, 5675.0, 5314.0, 5260.0, 5503.0, 5436.0, 5394.0, 5587.0, 5661.0, 5269.0, 5653.0, 5682.0, 5492.0, 5596.0, 5583.0, 5333.0, 5257.0, 5712.0, 5564.0, 5400.0, 5348.0, 5723.0, 5339.0, 5387.0, 5275.0, 5618.0, 5471.0, 5300.0, 5286.0, 5609.0, 5505.0, 5506.0, 5280.0, 5362.0, 5599.0, 5626.0, 5624.0, 5274.0, 5687.0, 5674.0, 5607.0, 5441.0, 5558.0, 5410.0 (number of hits: 4)
7	5280	9	1	333	1	5633.0, 5352.0, 5542.0, 5627.0, 5416.0, 5624.0, 5321.0, 5348.0, 5379.0, 5715.0, 5492.0, 5361.0, 5619.0, 5401.0, 5407.0, 5652.0, 5253.0, 5680.0, 5448.0, 5327.0, 5684.0, 5444.0, 5436.0, 5589.0, 5488.0, 5600.0, 5502.0, 5584.0, 5404.0, 5354.0, 5296.0, 5658.0, 5604.0, 5594.0, 5620.0, 5607.0, 5628.0, 5350.0, 5369.0, 5452.0, 5309.0, 5657.0, 5560.0, 5391.0, 5290.0, 5453.0, 5711.0, 5630.0, 5275.0, 5489.0, 5457.0, 5359.0, 5606.0, 5522.0, 5490.0, 5330.0, 5534.0, 5449.0, 5521.0, 5509.0, 5255.0, 5525.0, 5277.0, 5443.0, 5548.0, 5512.0, 5690.0, 5499.0, 5591.0, 5649.0, 5485.0, 5372.0, 5368.0, 5603.0, 5473.0, 5377.0, 5465.0, 5722.0, 5269.0, 5400.0, 5371.0, 5302.0, 5322.0, 5507.0, 5254.0, 5341.0, 5324.0, 5460.0, 5419.0, 5661.0, 5576.0, 5648.0, 5582.0, 5360.0, 5378.0, 5643.0, 5301.0, 5638.0, 5433.0, 5574.0 (number of hits: 5)
8	5280	9	1	333	1	5669.0, 5324.0, 5623.0, 5361.0, 5347.0, 5255.0, 5367.0, 5292.0, 5468.0, 5413.0, 5717.0, 5299.0, 5395.0, 5381.0, 5282.0, 5497.0, 5511.0, 5651.0, 5365.0, 5617.0, 5631.0, 5279.0, 5438.0, 5587.0, 5455.0, 5654.0, 5676.0, 5699.0, 5272.0, 5541.0, 5645.0, 5593.0, 5697.0, 5300.0, 5584.0, 5405.0, 5341.0, 5568.0, 5704.0, 5718.0, 5450.0, 5327.0, 5616.0, 5592.0, 5607.0, 5601.0, 5691.0, 5648.0, 5437.0, 5685.0, 5274.0, 5276.0, 5680.0, 5281.0, 5494.0, 5475.0, 5403.0, 5275.0, 5320.0, 5472.0, 5663.0, 5656.0, 5642.0, 5258.0, 5477.0, 5391.0, 5521.0, 5564.0, 5589.0, 5626.0, 5573.0, 5537.0, 5710.0, 5316.0, 5294.0, 5603.0, 5496.0, 5318.0, 5441.0, 5287.0, 5399.0, 5713.0, 5595.0, 5480.0, 5709.0, 5362.0, 5578.0, 5430.0, 5514.0, 5473.0, 5346.0, 5488.0, 5720.0, 5325.0, 5394.0, 5481.0, 5583.0, 5582.0, 5586.0, 5421.0 (number of hits: 5)
9	5280	9	1	333	1	5651.0, 5259.0, 5273.0, 5487.0, 5435.0, 5570.0, 5594.0, 5689.0, 5533.0, 5552.0, 5626.0, 5454.0, 5383.0, 5399.0, 5341.0,

						5611.0, 5719.0, 5283.0, 5284.0, 5473.0, 5582.0, 5377.0, 5444.0, 5469.0, 5490.0, 5567.0, 5306.0, 5632.0, 5451.0, 5486.0, 5297.0, 5586.0, 5299.0, 5392.0, 5535.0, 5503.0, 5541.0, 5691.0, 5313.0, 5257.0, 5652.0, 5369.0, 5464.0, 5375.0, 5390.0, 5275.0, 5276.0, 5450.0, 5571.0, 5722.0, 5568.0, 5653.0, 5445.0, 5659.0, 5476.0, 5477.0, 5692.0, 5488.0, 5546.0, 5351.0, 5593.0, 5523.0, 5522.0, 5293.0, 5439.0, 5326.0, 5419.0, 5254.0, 5602.0, 5263.0, 5463.0, 5646.0, 5697.0, 5515.0, 5562.0, 5648.0, 5703.0, 5663.0, 5502.0, 5349.0, 5400.0, 5680.0, 5624.0, 5323.0, 5274.0, 5479.0, 5657.0, 5374.0, 5475.0, 5267.0, 5294.0, 5417.0, 5688.0, 5724.0, 5596.0, 5531.0, 5483.0, 5452.0, 5696.0, 5677.0 (number of hits: 6)
10	5280	9	1	333	1	5422.0, 5670.0, 5507.0, 5500.0, 5649.0, 5597.0, 5620.0, 5356.0, 5578.0, 5721.0, 5449.0, 5343.0, 5409.0, 5391.0, 5314.0, 5301.0, 5723.0, 5657.0, 5266.0, 5574.0, 5328.0, 5286.0, 5473.0, 5429.0, 5294.0, 5398.0, 5523.0, 5692.0, 5647.0, 5717.0, 5560.0, 5448.0, 5611.0, 5402.0, 5593.0, 5280.0, 5291.0, 5279.0, 5537.0, 5531.0, 5468.0, 5518.0, 5484.0, 5483.0, 5563.0, 5638.0, 5476.0, 5512.0, 5466.0, 5495.0, 5582.0, 5474.0, 5683.0, 5288.0, 5364.0, 5564.0, 5612.0, 5290.0, 5296.0, 5327.0, 5544.0, 5503.0, 5354.0, 5485.0, 5393.0, 5629.0, 5368.0, 5480.0, 5545.0, 5685.0, 5258.0, 5461.0, 5519.0, 5337.0, 5680.0, 5650.0, 5536.0, 5381.0, 5501.0, 5418.0, 5704.0, 5345.0, 5561.0, 5275.0, 5390.0, 5389.0, 5424.0, 5311.0, 5577.0, 5580.0, 5416.0, 5312.0, 5386.0, 5272.0, 5514.0, 5323.0, 5673.0, 5332.0, 5581.0, 5278.0 (number of hits: 10)
11	5280	9	1	333	1	5251.0, 5505.0, 5568.0, 5303.0, 5329.0, 5517.0, 5708.0, 5512.0, 5608.0, 5403.0, 5564.0, 5373.0, 5668.0, 5449.0, 5304.0, 5653.0, 5381.0, 5620.0, 5626.0, 5334.0, 5398.0, 5613.0, 5438.0, 5424.0, 5644.0, 5287.0, 5577.0, 5285.0, 5691.0, 5284.0, 5377.0, 5456.0, 5470.0, 5390.0, 5682.0, 5353.0, 5317.0, 5660.0, 5383.0, 5536.0, 5369.0, 5266.0, 5310.0, 5314.0, 5665.0, 5599.0, 5299.0, 5544.0, 5655.0, 5368.0, 5351.0, 5460.0, 5394.0, 5435.0, 5534.0, 5458.0, 5685.0, 5339.0, 5525.0, 5638.0, 5335.0, 5718.0, 5667.0, 5486.0, 5573.0, 5364.0, 5340.0, 5642.0, 5455.0, 5366.0, 5337.0, 5721.0, 5680.0, 5465.0, 5492.0, 5395.0, 5579.0, 5411.0, 5593.0, 5513.0, 5524.0, 5490.0, 5384.0, 5706.0, 5601.0, 5502.0, 5401.0, 5518.0, 5543.0, 5442.0, 5692.0, 5380.0, 5657.0, 5664.0, 5346.0, 5407.0, 5565.0, 5634.0, 5295.0, 5529.0

						(number of hits: 8)
12	5280	9	1	333	1	5658.0, 5410.0, 5475.0, 5344.0, 5394.0, 5582.0, 5556.0, 5502.0, 5263.0, 5520.0, 5359.0, 5680.0, 5539.0, 5504.0, 5473.0, 5628.0, 5459.0, 5448.0, 5423.0, 5551.0, 5464.0, 5534.0, 5336.0, 5258.0, 5516.0, 5349.0, 5552.0, 5443.0, 5547.0, 5522.0, 5517.0, 5720.0, 5460.0, 5360.0, 5688.0, 5530.0, 5411.0, 5620.0, 5346.0, 5529.0, 5413.0, 5399.0, 5467.0, 5330.0, 5379.0, 5540.0, 5434.0, 5544.0, 5358.0, 5320.0, 5607.0, 5294.0, 5523.0, 5571.0, 5643.0, 5321.0, 5255.0, 5312.0, 5426.0, 5703.0, 5554.0, 5393.0, 5675.0, 5329.0, 5391.0, 5469.0, 5380.0, 5497.0, 5435.0, 5576.0, 5632.0, 5614.0, 5311.0, 5389.0, 5303.0, 5322.0, 5489.0, 5684.0, 5599.0, 5673.0, 5650.0, 5572.0, 5633.0, 5348.0, 5421.0, 5275.0, 5310.0, 5369.0, 5337.0, 5511.0, 5596.0, 5477.0, 5285.0, 5345.0, 5617.0, 5629.0, 5387.0, 5545.0, 5631.0, 5618.0 (number of hits: 6)
13	5280	9	1	333	1	5500.0, 5405.0, 5552.0, 5306.0, 5390.0, 5544.0, 5538.0, 5406.0, 5442.0, 5261.0, 5578.0, 5468.0, 5270.0, 5631.0, 5480.0, 5310.0, 5302.0, 5300.0, 5471.0, 5721.0, 5384.0, 5528.0, 5448.0, 5603.0, 5565.0, 5299.0, 5375.0, 5354.0, 5254.0, 5576.0, 5279.0, 5633.0, 5678.0, 5636.0, 5364.0, 5343.0, 5436.0, 5614.0, 5304.0, 5666.0, 5458.0, 5462.0, 5542.0, 5720.0, 5255.0, 5501.0, 5607.0, 5470.0, 5521.0, 5617.0, 5339.0, 5410.0, 5252.0, 5698.0, 5293.0, 5713.0, 5345.0, 5697.0, 5335.0, 5264.0, 5630.0, 5523.0, 5599.0, 5524.0, 5546.0, 5707.0, 5676.0, 5693.0, 5652.0, 5290.0, 5319.0, 5322.0, 5318.0, 5557.0, 5359.0, 5389.0, 5553.0, 5556.0, 5537.0, 5401.0, 5658.0, 5385.0, 5497.0, 5575.0, 5278.0, 5684.0, 5461.0, 5626.0, 5426.0, 5509.0, 5558.0, 5653.0, 5543.0, 5451.0, 5454.0, 5674.0, 5330.0, 5256.0, 5295.0, 5489.0 (number of hits: 9)
14	5280	9	1	333	1	5687.0, 5367.0, 5526.0, 5360.0, 5375.0, 5512.0, 5327.0, 5587.0, 5653.0, 5656.0, 5332.0, 5321.0, 5277.0, 5257.0, 5288.0, 5558.0, 5323.0, 5324.0, 5636.0, 5284.0, 5668.0, 5303.0, 5317.0, 5627.0, 5328.0, 5564.0, 5555.0, 5675.0, 5649.0, 5664.0, 5356.0, 5319.0, 5455.0, 5330.0, 5623.0, 5713.0, 5525.0, 5647.0, 5516.0, 5388.0, 5261.0, 5637.0, 5505.0, 5481.0, 5442.0, 5386.0, 5348.0, 5602.0, 5389.0, 5585.0, 5432.0, 5619.0, 5470.0, 5262.0, 5371.0, 5500.0, 5634.0, 5539.0, 5449.0, 5530.0, 5260.0, 5544.0, 5264.0, 5549.0, 5532.0, 5276.0, 5372.0, 5306.0, 5679.0, 5496.0, 5721.0, 5361.0, 5605.0, 5267.0, 5595.0, 5691.0, 5538.0, 5365.0, 5693.0, 5509.0,

						5622.0, 5333.0, 5537.0, 5570.0, 5254.0, 5566.0, 5499.0, 5716.0, 5711.0, 5489.0, 5531.0, 5550.0, 5546.0, 5559.0, 5291.0, 5393.0, 5678.0, 5665.0, 5302.0, 5714.0 (number of hits: 5)
15	5280	9	1	333	1	5683.0, 5473.0, 5372.0, 5512.0, 5655.0, 5477.0, 5293.0, 5573.0, 5413.0, 5670.0, 5476.0, 5322.0, 5570.0, 5496.0, 5520.0, 5338.0, 5303.0, 5302.0, 5343.0, 5339.0, 5263.0, 5397.0, 5571.0, 5523.0, 5616.0, 5271.0, 5575.0, 5330.0, 5604.0, 5393.0, 5658.0, 5656.0, 5579.0, 5331.0, 5455.0, 5494.0, 5310.0, 5706.0, 5605.0, 5574.0, 5587.0, 5458.0, 5392.0, 5583.0, 5603.0, 5253.0, 5607.0, 5578.0, 5643.0, 5321.0, 5299.0, 5600.0, 5380.0, 5502.0, 5597.0, 5422.0, 5444.0, 5283.0, 5588.0, 5641.0, 5438.0, 5529.0, 5634.0, 5694.0, 5700.0, 5360.0, 5454.0, 5471.0, 5499.0, 5723.0, 5667.0, 5385.0, 5377.0, 5315.0, 5297.0, 5542.0, 5530.0, 5474.0, 5556.0, 5487.0, 5446.0, 5375.0, 5717.0, 5617.0, 5584.0, 5540.0, 5511.0, 5266.0, 5457.0, 5661.0, 5514.0, 5346.0, 5632.0, 5326.0, 5557.0, 5485.0, 5504.0, 5401.0, 5280.0, 5654.0 (number of hits: 6)
16	5280	9	1	333	1	5624.0, 5629.0, 5518.0, 5283.0, 5456.0, 5348.0, 5289.0, 5717.0, 5496.0, 5479.0, 5284.0, 5373.0, 5462.0, 5475.0, 5568.0, 5676.0, 5343.0, 5439.0, 5547.0, 5563.0, 5514.0, 5336.0, 5541.0, 5555.0, 5662.0, 5656.0, 5550.0, 5635.0, 5613.0, 5638.0, 5398.0, 5411.0, 5376.0, 5631.0, 5458.0, 5661.0, 5457.0, 5554.0, 5509.0, 5682.0, 5330.0, 5546.0, 5339.0, 5560.0, 5351.0, 5260.0, 5601.0, 5632.0, 5442.0, 5297.0, 5545.0, 5591.0, 5544.0, 5690.0, 5404.0, 5519.0, 5295.0, 5261.0, 5416.0, 5683.0, 5633.0, 5433.0, 5441.0, 5407.0, 5721.0, 5537.0, 5314.0, 5588.0, 5324.0, 5666.0, 5476.0, 5362.0, 5347.0, 5447.0, 5660.0, 5310.0, 5649.0, 5460.0, 5402.0, 5264.0, 5684.0, 5471.0, 5534.0, 5719.0, 5572.0, 5615.0, 5466.0, 5287.0, 5276.0, 5528.0, 5384.0, 5709.0, 5364.0, 5438.0, 5464.0, 5498.0, 5604.0, 5356.0, 5371.0, 5359.0 (number of hits: 6)
17	5280	9	1	333	1	5539.0, 5449.0, 5649.0, 5493.0, 5570.0, 5548.0, 5476.0, 5439.0, 5399.0, 5264.0, 5600.0, 5281.0, 5593.0, 5722.0, 5356.0, 5708.0, 5382.0, 5659.0, 5538.0, 5339.0, 5373.0, 5541.0, 5583.0, 5371.0, 5643.0, 5474.0, 5656.0, 5383.0, 5254.0, 5562.0, 5270.0, 5311.0, 5678.0, 5582.0, 5552.0, 5712.0, 5428.0, 5575.0, 5663.0, 5698.0, 5325.0, 5263.0, 5515.0, 5287.0, 5343.0, 5626.0, 5629.0, 5502.0, 5505.0, 5380.0, 5290.0, 5388.0, 5536.0, 5272.0, 5320.0, 5603.0, 5638.0, 5374.0, 5498.0, 5419.0,

						5518.0, 5444.0, 5555.0, 5381.0, 5589.0, 5368.0, 5684.0, 5534.0, 5701.0, 5262.0, 5415.0, 5451.0, 5620.0, 5543.0, 5375.0, 5456.0, 5436.0, 5503.0, 5686.0, 5544.0, 5468.0, 5652.0, 5689.0, 5675.0, 5721.0, 5298.0, 5364.0, 5316.0, 5405.0, 5491.0, 5378.0, 5490.0, 5655.0, 5485.0, 5648.0, 5384.0, 5398.0, 5463.0, 5307.0, 5500.0 (number of hits: 5)
18	5280	9	1	333	1	5409.0, 5679.0, 5586.0, 5542.0, 5346.0, 5636.0, 5678.0, 5719.0, 5380.0, 5369.0, 5259.0, 5251.0, 5438.0, 5689.0, 5692.0, 5458.0, 5283.0, 5704.0, 5643.0, 5361.0, 5445.0, 5450.0, 5468.0, 5436.0, 5682.0, 5303.0, 5612.0, 5660.0, 5418.0, 5622.0, 5342.0, 5407.0, 5309.0, 5334.0, 5540.0, 5629.0, 5347.0, 5460.0, 5295.0, 5281.0, 5596.0, 5297.0, 5514.0, 5392.0, 5364.0, 5474.0, 5511.0, 5440.0, 5489.0, 5326.0, 5714.0, 5480.0, 5377.0, 5286.0, 5671.0, 5298.0, 5697.0, 5523.0, 5385.0, 5625.0, 5293.0, 5275.0, 5536.0, 5476.0, 5571.0, 5654.0, 5505.0, 5414.0, 5551.0, 5716.0, 5454.0, 5486.0, 5640.0, 5323.0, 5555.0, 5655.0, 5686.0, 5675.0, 5508.0, 5624.0, 5605.0, 5258.0, 5512.0, 5417.0, 5285.0, 5338.0, 5257.0, 5662.0, 5558.0, 5455.0, 5569.0, 5306.0, 5550.0, 5710.0, 5525.0, 5357.0, 5382.0, 5496.0, 5325.0, 5420.0 (number of hits: 9)
19	5280	9	1	333	1	5453.0, 5339.0, 5587.0, 5710.0, 5408.0, 5694.0, 5720.0, 5676.0, 5560.0, 5252.0, 5383.0, 5551.0, 5312.0, 5374.0, 5565.0, 5594.0, 5647.0, 5445.0, 5380.0, 5639.0, 5320.0, 5505.0, 5434.0, 5307.0, 5673.0, 5693.0, 5555.0, 5305.0, 5519.0, 5251.0, 5615.0, 5613.0, 5405.0, 5585.0, 5690.0, 5333.0, 5378.0, 5706.0, 5450.0, 5608.0, 5540.0, 5531.0, 5371.0, 5632.0, 5677.0, 5636.0, 5449.0, 5409.0, 5300.0, 5444.0, 5722.0, 5573.0, 5521.0, 5396.0, 5341.0, 5491.0, 5362.0, 5660.0, 5471.0, 5599.0, 5395.0, 5661.0, 5283.0, 5614.0, 5351.0, 5675.0, 5474.0, 5713.0, 5635.0, 5364.0, 5472.0, 5376.0, 5542.0, 5386.0, 5347.0, 5411.0, 5517.0, 5502.0, 5586.0, 5593.0, 5348.0, 5294.0, 5296.0, 5591.0, 5368.0, 5286.0, 5426.0, 5401.0, 5297.0, 5559.0, 5552.0, 5496.0, 5627.0, 5641.0, 5537.0, 5600.0, 5703.0, 5701.0, 5658.0, 5342.0 (number of hits: 8)
20	5280	9	1	333	1	5715.0, 5471.0, 5450.0, 5544.0, 5622.0, 5558.0, 5618.0, 5637.0, 5598.0, 5671.0, 5436.0, 5380.0, 5399.0, 5469.0, 5379.0, 5317.0, 5705.0, 5724.0, 5382.0, 5572.0, 5304.0, 5294.0, 5257.0, 5444.0, 5710.0, 5690.0, 5543.0, 5545.0, 5449.0, 5480.0, 5623.0, 5649.0, 5272.0, 5654.0, 5432.0, 5549.0, 5529.0, 5645.0, 5657.0, 5316.0,

						5393.0, 5609.0, 5700.0, 5682.0, 5687.0, 5295.0, 5579.0, 5662.0, 5611.0, 5311.0, 5326.0, 5674.0, 5256.0, 5427.0, 5266.0, 5721.0, 5603.0, 5267.0, 5586.0, 5565.0, 5314.0, 5490.0, 5702.0, 5717.0, 5528.0, 5364.0, 5305.0, 5643.0, 5477.0, 5463.0, 5453.0, 5337.0, 5513.0, 5270.0, 5692.0, 5336.0, 5515.0, 5348.0, 5433.0, 5566.0, 5617.0, 5696.0, 5699.0, 5376.0, 5532.0, 5689.0, 5711.0, 5627.0, 5443.0, 5371.0, 5542.0, 5595.0, 5253.0, 5258.0, 5694.0, 5274.0, 5659.0, 5582.0, 5568.0, 5592.0 (number of hits: 6)
21	5280	9	1	333	1	5637.0, 5703.0, 5571.0, 5280.0, 5695.0, 5454.0, 5351.0, 5565.0, 5289.0, 5480.0, 5391.0, 5434.0, 5321.0, 5538.0, 5440.0, 5602.0, 5545.0, 5374.0, 5497.0, 5647.0, 5555.0, 5709.0, 5508.0, 5510.0, 5559.0, 5493.0, 5276.0, 5460.0, 5518.0, 5354.0, 5465.0, 5662.0, 5678.0, 5682.0, 5456.0, 5720.0, 5487.0, 5509.0, 5691.0, 5569.0, 5672.0, 5624.0, 5639.0, 5416.0, 5710.0, 5614.0, 5583.0, 5690.0, 5653.0, 5341.0, 5519.0, 5699.0, 5666.0, 5288.0, 5301.0, 5443.0, 5448.0, 5698.0, 5660.0, 5669.0, 5433.0, 5403.0, 5495.0, 5459.0, 5279.0, 5273.0, 5500.0, 5418.0, 5654.0, 5429.0, 5593.0, 5689.0, 5676.0, 5423.0, 5425.0, 5502.0, 5479.0, 5530.0, 5461.0, 5605.0, 5284.0, 5522.0, 5326.0, 5283.0, 5455.0, 5619.0, 5717.0, 5395.0, 5466.0, 5516.0, 5536.0, 5626.0, 5394.0, 5702.0, 5295.0, 5342.0, 5298.0, 5561.0, 5370.0, 5384.0 (number of hits: 5)
22	5280	9	1	333	1	5498.0, 5598.0, 5252.0, 5461.0, 5419.0, 5333.0, 5520.0, 5512.0, 5437.0, 5297.0, 5666.0, 5602.0, 5484.0, 5610.0, 5467.0, 5711.0, 5648.0, 5292.0, 5489.0, 5285.0, 5568.0, 5681.0, 5361.0, 5634.0, 5343.0, 5349.0, 5511.0, 5341.0, 5436.0, 5595.0, 5438.0, 5691.0, 5616.0, 5396.0, 5266.0, 5544.0, 5428.0, 5523.0, 5593.0, 5674.0, 5551.0, 5268.0, 5279.0, 5407.0, 5519.0, 5351.0, 5571.0, 5629.0, 5649.0, 5642.0, 5314.0, 5487.0, 5529.0, 5591.0, 5283.0, 5486.0, 5507.0, 5337.0, 5685.0, 5505.0, 5594.0, 5382.0, 5516.0, 5513.0, 5425.0, 5359.0, 5370.0, 5677.0, 5372.0, 5311.0, 5286.0, 5260.0, 5580.0, 5654.0, 5608.0, 5572.0, 5324.0, 5308.0, 5309.0, 5587.0, 5620.0, 5388.0, 5379.0, 5251.0, 5627.0, 5430.0, 5504.0, 5673.0, 5250.0, 5518.0, 5603.0, 5596.0, 5644.0, 5483.0, 5577.0, 5502.0, 5355.0, 5426.0, 5553.0, 5491.0 (number of hits: 8)
23	5280	9	1	333	1	5502.0, 5717.0, 5510.0, 5609.0, 5612.0, 5278.0, 5568.0, 5678.0, 5459.0, 5592.0, 5279.0, 5393.0, 5255.0, 5324.0, 5669.0, 5420.0, 5573.0, 5586.0, 5258.0, 5343.0,

						5535.0, 5386.0, 5416.0, 5448.0, 5545.0, 5531.0, 5370.0, 5662.0, 5613.0, 5521.0, 5471.0, 5369.0, 5387.0, 5606.0, 5601.0, 5404.0, 5354.0, 5646.0, 5351.0, 5583.0, 5580.0, 5302.0, 5661.0, 5401.0, 5295.0, 5676.0, 5428.0, 5512.0, 5549.0, 5331.0, 5603.0, 5415.0, 5357.0, 5681.0, 5309.0, 5262.0, 5417.0, 5426.0, 5293.0, 5674.0, 5412.0, 5537.0, 5641.0, 5275.0, 5425.0, 5473.0, 5472.0, 5468.0, 5326.0, 5525.0, 5440.0, 5364.0, 5593.0, 5487.0, 5319.0, 5551.0, 5443.0, 5392.0, 5570.0, 5483.0, 5307.0, 5706.0, 5315.0, 5501.0, 5489.0, 5579.0, 5488.0, 5585.0, 5464.0, 5263.0, 5694.0, 5643.0, 5504.0, 5280.0, 5560.0, 5446.0, 5594.0, 5690.0, 5541.0, 5490.0 (number of hits: 5)
24	5280	9	1	333	1	5722.0, 5522.0, 5371.0, 5570.0, 5549.0, 5391.0, 5547.0, 5475.0, 5641.0, 5455.0, 5288.0, 5584.0, 5511.0, 5593.0, 5658.0, 5573.0, 5462.0, 5472.0, 5556.0, 5620.0, 5261.0, 5435.0, 5495.0, 5664.0, 5325.0, 5623.0, 5451.0, 5645.0, 5361.0, 5601.0, 5642.0, 5514.0, 5293.0, 5662.0, 5365.0, 5528.0, 5284.0, 5448.0, 5594.0, 5565.0, 5513.0, 5646.0, 5714.0, 5713.0, 5466.0, 5602.0, 5596.0, 5706.0, 5516.0, 5265.0, 5538.0, 5708.0, 5378.0, 5559.0, 5687.0, 5327.0, 5477.0, 5317.0, 5326.0, 5489.0, 5353.0, 5346.0, 5306.0, 5541.0, 5655.0, 5616.0, 5427.0, 5487.0, 5294.0, 5252.0, 5298.0, 5629.0, 5450.0, 5586.0, 5463.0, 5630.0, 5672.0, 5377.0, 5251.0, 5607.0, 5367.0, 5394.0, 5318.0, 5625.0, 5330.0, 5319.0, 5673.0, 5398.0, 5613.0, 5649.0, 5373.0, 5577.0, 5505.0, 5492.0, 5614.0, 5525.0, 5368.0, 5711.0, 5720.0, 5471.0 (number of hits: 5)
25	5280	9	1	333	1	5366.0, 5415.0, 5252.0, 5446.0, 5556.0, 5590.0, 5505.0, 5549.0, 5502.0, 5264.0, 5276.0, 5372.0, 5426.0, 5671.0, 5478.0, 5601.0, 5597.0, 5516.0, 5535.0, 5680.0, 5476.0, 5459.0, 5298.0, 5301.0, 5657.0, 5683.0, 5416.0, 5676.0, 5467.0, 5280.0, 5600.0, 5359.0, 5709.0, 5376.0, 5480.0, 5642.0, 5664.0, 5591.0, 5713.0, 5614.0, 5548.0, 5377.0, 5533.0, 5587.0, 5251.0, 5579.0, 5399.0, 5317.0, 5265.0, 5595.0, 5513.0, 5563.0, 5599.0, 5320.0, 5666.0, 5508.0, 5607.0, 5273.0, 5374.0, 5536.0, 5700.0, 5565.0, 5620.0, 5479.0, 5355.0, 5285.0, 5575.0, 5389.0, 5625.0, 5277.0, 5490.0, 5435.0, 5681.0, 5293.0, 5635.0, 5397.0, 5617.0, 5403.0, 5661.0, 5623.0, 5704.0, 5362.0, 5419.0, 5306.0, 5405.0, 5519.0, 5675.0, 5448.0, 5629.0, 5256.0, 5708.0, 5716.0, 5335.0, 5630.0, 5672.0, 5489.0, 5558.0, 5544.0, 5410.0, 5468.0 (number of hits: 5)

26	5280	9	1	333	1	5722.0, 5666.0, 5555.0, 5631.0, 5381.0, 5258.0, 5676.0, 5429.0, 5261.0, 5279.0, 5489.0, 5665.0, 5392.0, 5693.0, 5673.0, 5503.0, 5291.0, 5354.0, 5263.0, 5369.0, 5374.0, 5254.0, 5473.0, 5388.0, 5523.0, 5703.0, 5706.0, 5592.0, 5471.0, 5617.0, 5352.0, 5391.0, 5637.0, 5488.0, 5466.0, 5406.0, 5361.0, 5325.0, 5349.0, 5320.0, 5653.0, 5436.0, 5418.0, 5308.0, 5527.0, 5560.0, 5587.0, 5324.0, 5625.0, 5515.0, 5681.0, 5344.0, 5413.0, 5573.0, 5415.0, 5577.0, 5651.0, 5409.0, 5297.0, 5564.0, 5656.0, 5658.0, 5480.0, 5672.0, 5282.0, 5250.0, 5636.0, 5616.0, 5266.0, 5453.0, 5536.0, 5271.0, 5663.0, 5433.0, 5654.0, 5621.0, 5330.0, 5614.0, 5495.0, 5687.0, 5701.0, 5647.0, 5454.0, 5395.0, 5686.0, 5534.0, 5541.0, 5712.0, 5432.0, 5679.0, 5570.0, 5482.0, 5629.0, 5484.0, 5709.0, 5451.0, 5389.0, 5590.0, 5427.0, 5378.0 (number of hits: 3)
27	5280	9	1	333	1	5709.0, 5609.0, 5547.0, 5482.0, 5318.0, 5402.0, 5643.0, 5355.0, 5364.0, 5497.0, 5669.0, 5541.0, 5607.0, 5339.0, 5466.0, 5529.0, 5282.0, 5262.0, 5712.0, 5340.0, 5658.0, 5341.0, 5334.0, 5684.0, 5699.0, 5432.0, 5521.0, 5333.0, 5553.0, 5269.0, 5564.0, 5625.0, 5405.0, 5647.0, 5277.0, 5652.0, 5368.0, 5602.0, 5403.0, 5498.0, 5276.0, 5294.0, 5441.0, 5623.0, 5374.0, 5257.0, 5458.0, 5293.0, 5343.0, 5633.0, 5486.0, 5500.0, 5675.0, 5601.0, 5385.0, 5526.0, 5687.0, 5686.0, 5512.0, 5287.0, 5445.0, 5661.0, 5265.0, 5614.0, 5646.0, 5381.0, 5481.0, 5332.0, 5610.0, 5632.0, 5496.0, 5470.0, 5315.0, 5631.0, 5693.0, 5357.0, 5251.0, 5373.0, 5508.0, 5439.0, 5667.0, 5493.0, 5722.0, 5545.0, 5313.0, 5306.0, 5321.0, 5461.0, 5528.0, 5376.0, 5425.0, 5559.0, 5676.0, 5348.0, 5292.0, 5563.0, 5598.0, 5634.0, 5462.0, 5386.0 (number of hits: 6)
28	5280	9	1	333	1	5495.0, 5529.0, 5523.0, 5424.0, 5385.0, 5350.0, 5397.0, 5713.0, 5657.0, 5257.0, 5465.0, 5480.0, 5441.0, 5671.0, 5609.0, 5526.0, 5668.0, 5646.0, 5644.0, 5459.0, 5389.0, 5708.0, 5326.0, 5674.0, 5675.0, 5533.0, 5580.0, 5463.0, 5528.0, 5721.0, 5517.0, 5464.0, 5429.0, 5603.0, 5309.0, 5311.0, 5651.0, 5280.0, 5513.0, 5353.0, 5375.0, 5574.0, 5641.0, 5655.0, 5298.0, 5282.0, 5406.0, 5318.0, 5256.0, 5620.0, 5396.0, 5417.0, 5377.0, 5684.0, 5691.0, 5518.0, 5458.0, 5471.0, 5511.0, 5637.0, 5492.0, 5390.0, 5605.0, 5438.0, 5437.0, 5319.0, 5656.0, 5541.0, 5594.0, 5331.0, 5539.0, 5634.0, 5337.0, 5636.0, 5570.0, 5621.0, 5267.0, 5536.0, 5559.0, 5520.0, 5590.0, 5365.0, 5276.0, 5454.0, 5626.0,

						5695.0, 5643.0, 5630.0, 5446.0, 5510.0, 5384.0, 5602.0, 5501.0, 5356.0, 5320.0, 5673.0, 5619.0, 5369.0, 5696.0, 5576.0 (number of hits: 3)
29	5280	9	1	333	1	5683.0, 5719.0, 5701.0, 5616.0, 5653.0, 5442.0, 5342.0, 5526.0, 5713.0, 5397.0, 5613.0, 5501.0, 5714.0, 5566.0, 5296.0, 5365.0, 5632.0, 5334.0, 5298.0, 5553.0, 5257.0, 5472.0, 5669.0, 5539.0, 5316.0, 5481.0, 5429.0, 5494.0, 5545.0, 5328.0, 5423.0, 5340.0, 5463.0, 5314.0, 5346.0, 5610.0, 5402.0, 5473.0, 5410.0, 5687.0, 5637.0, 5590.0, 5464.0, 5337.0, 5404.0, 5378.0, 5297.0, 5421.0, 5407.0, 5559.0, 5534.0, 5533.0, 5434.0, 5627.0, 5598.0, 5406.0, 5311.0, 5469.0, 5290.0, 5525.0, 5420.0, 5599.0, 5306.0, 5457.0, 5391.0, 5560.0, 5585.0, 5589.0, 5468.0, 5333.0, 5380.0, 5351.0, 5286.0, 5459.0, 5470.0, 5400.0, 5367.0, 5343.0, 5603.0, 5433.0, 5612.0, 5415.0, 5336.0, 5375.0, 5634.0, 5564.0, 5707.0, 5538.0, 5414.0, 5650.0, 5300.0, 5519.0, 5605.0, 5558.0, 5445.0, 5326.0, 5685.0, 5530.0, 5266.0, 5475.0 (number of hits: 9)
30	5280	9	1	333	1	5458.0, 5528.0, 5518.0, 5268.0, 5412.0, 5597.0, 5605.0, 5673.0, 5320.0, 5288.0, 5383.0, 5511.0, 5311.0, 5527.0, 5291.0, 5668.0, 5472.0, 5567.0, 5583.0, 5687.0, 5286.0, 5554.0, 5292.0, 5609.0, 5522.0, 5293.0, 5538.0, 5590.0, 5672.0, 5621.0, 5551.0, 5479.0, 5294.0, 5519.0, 5691.0, 5408.0, 5282.0, 5272.0, 5317.0, 5540.0, 5266.0, 5500.0, 5516.0, 5656.0, 5277.0, 5445.0, 5384.0, 5276.0, 5564.0, 5688.0, 5296.0, 5462.0, 5367.0, 5344.0, 5553.0, 5379.0, 5327.0, 5299.0, 5430.0, 5719.0, 5387.0, 5349.0, 5476.0, 5486.0, 5650.0, 5603.0, 5631.0, 5341.0, 5523.0, 5283.0, 5274.0, 5659.0, 5464.0, 5576.0, 5254.0, 5335.0, 5493.0, 5645.0, 5622.0, 5547.0, 5697.0, 5507.0, 5491.0, 5415.0, 5644.0, 5692.0, 5646.0, 5251.0, 5275.0, 5617.0, 5714.0, 5381.0, 5253.0, 5316.0, 5353.0, 5380.0, 5608.0, 5642.0, 5638.0, 5350.0 (number of hits: 9)

5580 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 0	30	96.7 %	60%	Pass
Type 1 A	30	100 %	60%	Pass
Type 1 B				
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-1 Radar Type 0 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5580	18	1	1428	0
2	5580	18	1	1428	1
3	5580	18	1	1428	1
4	5580	18	1	1428	1
5	5580	18	1	1428	1
6	5580	18	1	1428	1
7	5580	18	1	1428	1
8	5580	18	1	1428	1
9	5580	18	1	1428	1
10	5580	18	1	1428	1
11	5580	18	1	1428	1
12	5580	18	1	1428	1
13	5580	18	1	1428	1
14	5580	18	1	1428	1
15	5580	18	1	1428	1
16	5580	18	1	1428	1
17	5580	18	1	1428	1
18	5580	18	1	1428	1
19	5580	18	1	1428	1
20	5580	18	1	1428	1
21	5580	18	1	1428	1
22	5580	18	1	1428	1
23	5580	18	1	1428	1
24	5580	18	1	1428	1
25	5580	18	1	1428	1
26	5580	18	1	1428	1
27	5580	18	1	1428	1
28	5580	18	1	1428	1
29	5580	18	1	1428	1
30	5580	18	1	1428	1
Detection Percentage: 96.7 % (>60%)					

Table-2 Radar Type 1(A/B) Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1 (A)	5580	99	1	538	1
2 (A)	5580	65	1	818	1
3 (A)	5580	74	1	718	1
4 (A)	5580	78	1	678	1
5 (A)	5580	57	1	938	1
6 (A)	5580	81	1	658	1
7 (A)	5580	76	1	698	1
8 (A)	5580	83	1	638	1
9 (A)	5580	59	1	898	1
10 (A)	5580	86	1	618	1
11 (A)	5580	67	1	798	1
12 (A)	5580	95	1	558	1
13 (A)	5580	18	1	3066	1
14 (A)	5580	63	1	838	1
15 (A)	5580	89	1	598	1
16 (B)	5580	26	1	2105	1
17 (B)	5580	51	1	1053	1
18 (B)	5580	27	1	2009	1
19 (B)	5580	30	1	1771	1
20 (B)	5580	31	1	1734	1
21 (B)	5580	24	1	2207	1
22 (B)	5580	101	1	525	1
23 (B)	5580	18	1	3062	1
24 (B)	5580	27	1	1965	1
25 (B)	5580	22	1	2404	1
26 (B)	5580	32	1	1691	1
27 (B)	5580	22	1	2480	1
28 (B)	5580	23	1	2319	1
29 (B)	5580	54	1	993	1
30 (B)	5580	31	1	1708	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5580	26	5	201	1
2	5580	28	3.9	177	1
3	5580	25	4.6	216	1
4	5580	24	1.7	190	1
5	5580	28	1	162	1
6	5580	24	1.8	224	1
7	5580	28	4.7	193	1
8	5580	28	4.9	215	1
9	5580	28	1.8	226	1
10	5580	27	3.2	154	1
11	5580	27	1.5	219	1
12	5580	25	3.8	157	1
13	5580	29	3.7	150	1
14	5580	26	4.7	196	1
15	5580	29	3.4	187	1
16	5580	25	2	200	1
17	5580	23	3.9	197	1
18	5580	28	3.6	213	1
19	5580	23	2.2	182	1
20	5580	29	3.5	155	1
21	5580	29	1.8	160	1
22	5580	29	1.7	182	1
23	5580	26	4.8	216	1
24	5580	28	3.4	165	1
25	5580	24	4.1	158	1
26	5580	24	4.1	188	1
27	5580	26	5	150	1
28	5580	26	1.8	217	1
29	5580	29	4.4	183	1
30	5580	29	3.5	153	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5580	18	7.2	239	1
2	5580	16	7.3	288	1
3	5580	17	8.7	246	1
4	5580	16	8.6	390	1
5	5580	17	7.9	226	1
6	5580	18	6.9	485	1
7	5580	16	6.7	224	1
8	5580	18	7.5	364	1
9	5580	18	7.9	242	1
10	5580	18	7.1	205	1
11	5580	18	6.1	214	1
12	5580	17	6.4	344	1
13	5580	18	8.4	227	1
14	5580	16	8.9	414	1
15	5580	16	9.8	307	1
16	5580	17	7.1	333	1
17	5580	18	8.6	345	1
18	5580	18	7.3	370	1
19	5580	18	9.7	385	1
20	5580	17	8.6	442	1
21	5580	18	6.4	486	1
22	5580	18	7.8	288	1
23	5580	16	6.5	342	1
24	5580	17	7.6	245	1
25	5580	16	9.1	419	1
26	5580	17	9.5	333	1
27	5580	18	6.1	255	1
28	5580	18	6.3	344	1
29	5580	17	7.4	267	1
30	5580	16	8.1	464	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5580	16	12	482	1
2	5580	13	13.1	309	1
3	5580	15	14.4	404	1
4	5580	15	16.3	243	1
5	5580	13	17.3	249	1
6	5580	12	12.2	306	1
7	5580	13	12.8	260	1
8	5580	15	12.2	418	1
9	5580	15	15.5	400	1
10	5580	16	15.4	359	1
11	5580	15	15	206	1
12	5580	13	15.1	329	1
13	5580	16	17.4	243	1
14	5580	14	11.2	399	1
15	5580	13	19.2	303	1
16	5580	16	12.9	438	1
17	5580	16	19.6	305	1
18	5580	13	19.2	278	1
19	5580	16	20	215	1
20	5580	13	15.5	409	1
21	5580	14	19.9	449	1
22	5580	13	20	343	1
23	5580	15	18.1	226	1
24	5580	14	11.3	326	1
25	5580	12	18.3	224	1
26	5580	15	11.9	337	1
27	5580	14	17.7	249	1
28	5580	12	18.4	232	1
29	5580	13	16.1	391	1
30	5580	16	16.2	243	1
Detection Percentage: 100 % (>60%)					

Table-6 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	50.7	1366	1899	0.372327	1
1	3	6	56	1003	1724	1.513983	
2	3	18	53.9	1278	1403	1.676274	
3	3	6	69.8	1541	1926	2.4596	
4	2	12	83.3	1340		3.653938	
5	2	17	86.5	1285		4.353749	
6	2	17	93.8	1508		4.806311	
7	2	6	55.5	1484		5.92461	
8	1	18	85.6			6.701842	
9	2	11	88.3	1514		7.482324	
10	1	6	82.8			8.281026	
11	1	7	65.6			9.104548	
12	3	7	89.8	1156	1634	10.104486	
13	2	6	57.6	1925		11.13158	
14	1	11	88.3			11.576417	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	93	1865		0.002388	
1	2	7	68.7	1525		1.018437	
2	2	19	61.6	1007		1.938055	
3	1	11	72.4			2.262303	
4	2	5	78	1711		3.280013	
5	2	13	64.9	1620		3.616023	
6	2	17	54	1984		4.773351	
7	3	17	56.2	1105	1079	4.942877	
8	3	19	57	1319	1979	5.815521	1
9	2	17	54.6	1157		6.610729	
10	2	18	96.2	1716		7.569785	
11	3	18	68.9	1290	1868	8.418259	
12	2	17	89.8	1742		8.632578	
13	3	19	83.2	1571	1937	9.752853	
14	2	10	83	1766		10.526222	
15	3	17	96.6	1207	1904	11.115275	
16	3	11	82.7	1500	1577	11.798102	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	96	1952		0.305455	
1	2	5	85.6	1494		1.569144	
2	1	17	92.1			3.133649	
3	2	14	59	1279		5.540042	
4	2	14	74.1	1302		6.791394	1
5	3	12	68	1040	1287	8.703591	
6	1	17	59.8			9.906076	
7	2	10	93.4	1667		11.823228	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	66.1	1899	1306	0.617261	
1	1	10	58.4			1.501623	
2	1	12	93.2			2.50874	
3	2	7	65.2	1036		4.278689	
4	3	7	55.2	1363	1490	5.190703	
5	3	7	65.2	1239	1358	5.655768	1
6	2	16	67.4	1546		7.206929	
7	3	6	57.9	1576	1648	7.781895	
8	1	18	51.3			9.133942	
9	2	15	64.8	1568		10.270398	
10	2	11	82.1	1243		11.683001	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	96.9	1988	1916	0.915159	
1	2	15	52.5	1124		1.276852	
2	1	17	76			1.862026	
3	1	12	67			2.83292	
4	1	6	93.7			4.5472	
5	1	14	75			4.621251	
6	1	8	62.9			6.456356	1
7	2	10	63.1	1966		7.104091	
8	1	18	84.5			7.757071	
9	1	8	61.3			8.826884	
10	3	17	77.5	1417	1301	9.811567	
11	1	18	85.9			10.528491	
12	2	10	64.3	1572		11.670518	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	62.9			0.681352	1
1	2	14	95.5	1705		1.366882	
2	2	17	77.4	1401		2.59151	
3	2	11	98.1	1898		4.019282	
4	2	10	74.3	1675		5.852825	
5	2	7	91.3	1113		6.431683	
6	2	20	91.4	1481		7.281689	
7	2	10	59.4	1325		8.412731	
8	2	7	70.9	1435		9.88899	
9	1	20	69.6			11.322897	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	75.6	1654		0.083528	1
1	3	19	86.4	1475	1063	1.21506	
2	1	14	56.9			1.497718	
3	1	14	60.6			2.39468	
4	2	5	63.7	1903		3.118161	
5	2	10	91.3	1274		3.663409	
6	1	19	64.6			4.136073	
7	1	9	98			5.193092	
8	3	20	85.4	1462	1640	5.841697	
9	1	14	65.4			6.33574	
10	1	7	77.7			7.267283	
11	2	8	58.6	1093		7.987223	
12	1	18	98.7			8.157922	
13	1	14	50.7			9.271266	
14	2	19	50.7	1949		9.707629	
15	2	17	80.1	1348		10.469175	
16	2	14	88.1	1224		10.805409	
17	3	14	82.8	1855	1345	11.634603	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	84.9	1153		0.503309	1
1	1	17	58.4			1.227974	
2	3	17	57.7	1417	1682	3.306318	
3	2	9	65.6	1787		3.803135	
4	2	14	92.6	1993		5.530409	
5	1	13	68.8			6.642268	
6	2	13	94.6	1668		7.369075	
7	2	10	52	1983		8.644852	
8	2	17	68.6	1129		10.111146	
9	2	7	80	1627		11.860874	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	54.1	1578		0.075011	1
1	2	14	56.4	1763		0.991634	
2	1	14	79.9			1.717334	
3	2	15	69.5	1237		2.671481	
4	2	5	69.3	1177		3.246979	
5	1	15	80.1			4.147594	
6	2	8	81.1	1089		5.023385	
7	1	9	76.9			5.863311	
8	2	13	77.4	1967		6.169242	
9	2	19	61.3	1561		6.846629	
10	2	13	90.4	1705		7.812261	
11	2	17	76.8	1735		8.731033	
12	1	8	75.8			9.141106	
13	3	16	86.4	1533	1736	10.197247	
14	3	7	64.8	1969	1739	10.919694	
15	3	8	50.7	1871	1772	11.510157	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	91.1	1239		0.110952	1
1	2	8	51.5	1102		1.158246	
2	3	19	88.8	1023	1195	1.91242	
3	2	10	62.3	1440		3.036523	
4	2	12	62.1	1434		3.965614	
5	3	14	53.4	1940	1618	5.033561	
6	2	12	66.6	1849		5.463023	
7	2	14	80.9	1929		6.102733	
8	3	20	91.1	1490	1970	6.875876	
9	1	15	94.3			7.853407	
10	3	6	91.2	1977	1489	9.151969	
11	3	10	72.2	1599	1239	9.817132	
12	2	7	98.6	1560		10.609566	
13	1	5	63.8			11.601983	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	51.6	1793	1424	0.651555	1
1	1	12	62.4			0.938979	
2	1	11	85.4			1.595373	
3	1	12	68.1			2.950964	
4	2	20	98.5	1185		3.152578	
5	2	12	92.8	1280		4.286704	
6	2	7	54.6	1293		5.123767	
7	3	13	75.2	1611	1015	5.774114	
8	2	6	78	1005		6.2032	
9	2	13	80.4	1450		7.490198	
10	2	14	61.2	1091		7.579745	
11	3	5	91.2	1683	1898	8.558188	
12	3	15	75.4	1213	1815	9.690788	
13	1	10	66.9			10.074179	
14	2	11	87.8	1898		10.615862	
15	2	14	67.6	1610		11.754883	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	77.5	1324	1481	0.032607	1
1	2	6	97.5	1022		1.364951	
2	1	19	68.5			1.782478	
3	2	10	75.3	1950		2.567233	
4	2	10	98.7	1558		3.702456	
5	3	17	68.6	1003	1799	3.938673	
6	3	14	65.6	1044	1012	4.509488	
7	1	12	91.8			5.448461	
8	2	20	98.4	1625		6.626736	
9	2	10	61.9	1440		7.088121	
10	1	9	77.4			7.99746	
11	1	11	88.9			8.699552	
12	2	15	81.6	1022		9.132002	
13	1	17	80.7			10.111309	
14	2	16	72.4	1209		10.60297	
15	2	12	53.5	1661		11.64551	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	90.3	1294		0.890633	1
1	2	16	52.3	1295		2.049394	
2	1	18	87.9			3.642459	
3	1	9	62.7			5.980626	
4	2	13	82	1168		6.781296	
5	2	9	60.7	1204		7.553062	
6	2	9	96.9	1957		9.90315	
7	2	6	94.1	1019		11.7344	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	85.3	1082		0.449721	
1	3	20	96.5	1229	1650	0.945511	
2	3	11	53.7	1776	1813	1.992466	
3	2	5	77.5	1569		3.588421	
4	2	15	69.6	1112		4.443194	
5	2	12	75.2	1998		5.257621	
6	2	16	98.2	1260		5.552352	1
7	2	15	52.7	1847		6.859371	
8	1	9	66.5			7.686593	
9	2	8	56.9	1200		8.341275	
10	2	17	68.9	1867		9.380089	
11	2	7	77.1	1623		10.512675	
12	1	10	85.1			11.328808	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	53.4	1524		0.652655	
1	3	13	97.5	1537	1462	1.393348	
2	2	6	88.3	1883		3.261502	
3	2	11	57.9	1030		4.034904	
4	3	16	80.2	1087	1638	4.731052	
5	3	9	51.2	1328	1185	5.6178	1
6	1	12	88.2			6.559035	
7	2	12	79.2	1110		8.527856	
8	3	17	66.9	1788	1699	9.136687	
9	3	14	78.2	1942	1161	10.204704	
10	3	12	70.1	1520	1154	10.912552	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	59.9	1536	1370	0.048206	
1	1	11	83.3			1.00902	
2	2	8	86.1	1106		1.83322	
3	1	9	86.7			2.194001	
4	2	11	89	1490		3.335174	
5	3	7	51.3	1439	1697	4.192486	
6	3	14	68.5	1116	1769	4.563989	
7	3	17	95	1281	1630	5.019283	
8	2	11	78.4	1706		6.299951	1
9	3	19	83.7	1015	1061	6.470083	
10	3	11	63.8	1053	1156	7.647219	
11	2	8	80	1967		7.822756	
12	1	6	65.4			8.857732	
13	2	16	60.1	1594		9.462834	
14	1	19	92.7			10.157687	
15	1	15	85.3			10.77868	
16	3	16	87.1	1712	1018	11.384893	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	77.9	1486	1363	0.801108	
1	3	9	84.7	1024	1896	1.507536	
2	2	9	79.5	1285		2.200261	
3	3	10	74.3	1354	1008	2.832144	
4	3	10	69.7	1672	1619	3.701228	
5	2	18	63.6	1016		4.897245	
6	3	6	73.5	1723	1146	6.164012	1
7	3	18	82.6	1681	1455	7.22791	
8	2	6	68.6	1440		7.822506	
9	2	6	60.6	1350		8.874753	
10	3	19	72.8	1358	1312	10.088158	
11	3	14	98.8	1702	1982	11.012848	
12	1	18	52.8			11.239969	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	81	1639	1421	0.541189	
1	3	15	78.5	1823	1169	1.089557	
2	2	7	58	1035		1.983331	
3	2	10	58.8	1545		2.836277	
4	3	7	85.8	1513	1317	3.959254	
5	1	11	57.2			4.734588	
6	3	16	93.5	1053	1954	6.415716	1
7	3	18	59.1	1744	1425	6.986837	
8	1	19	71.1			7.694949	
9	1	16	97.2			8.570247	
10	2	8	51.4	1877		9.336089	
11	2	11	57.5	1098		10.520045	
12	3	13	65.8	1602	1637	11.185697	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	57.3	1106		0.458444	
1	2	13	55.2	1330		0.673698	
2	3	13	59.5	1897	1539	1.538225	
3	1	12	82.8			1.952291	
4	1	19	73.3			2.42888	
5	2	11	65.9	1269		3.412276	
6	3	15	94.6	1453	1767	4.073545	
7	3	18	73.3	1701	1690	4.257064	
8	3	17	85.9	1959	1190	4.950244	
9	2	19	62	1813		5.845079	1
10	1	7	80.3			6.134365	
11	3	9	59.7	1365	1620	6.741377	
12	2	9	75	1381		7.332663	
13	3	7	54.2	1580	1174	8.055564	
14	1	12	88.7			8.930481	
15	2	12	75	1767		9.452901	
16	2	14	94.3	1686		10.17315	
17	1	6	75.4			10.703115	
18	2	6	77.2	1604		11.256445	
19	3	12	64.8	1674	1479	11.589144	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	68.4	1645		0.548937	1
1	3	10	72.3	1132	1662	1.547058	
2	2	18	65.5	1078		1.778853	
3	1	19	77.6			2.840863	
4	1	10	72.5			4.209522	
5	2	9	87.3	1275		4.469791	
6	2	12	92.6	1664		5.667971	
7	1	9	97			6.407716	
8	2	6	98.4	1022		7.506395	
9	2	12	54.1	1177		8.199221	
10	1	13	73.1			9.226782	
11	2	17	95.4	1304		10.096403	
12	2	20	97.4	1244		11.058563	
13	3	19	63.2	1160	1827	11.864909	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	97.2	1657		0.273823	1
1	3	15	70.8	1177	1631	1.177114	
2	3	8	97.1	1011	1725	2.21717	
3	2	17	52.3	1008		2.265096	
4	2	7	89	1362		3.344922	
5	1	8	79.7			4.089213	
6	3	10	58.9	1364	1162	4.510464	
7	2	14	91.4	1150		5.26843	
8	2	10	90.8	1801		6.161822	
9	3	5	78.5	1709	1052	7.488428	
10	2	6	53.3	1004		7.657687	
11	3	12	65.4	1320	1877	8.607761	
12	2	15	61.6	1867		9.54356	
13	1	10	92.6			9.758932	
14	2	11	85.2	1903		10.899294	
15	2	16	60	1175		11.380946	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	54.1			0.516589	
1	3	9	93.4	1057	1394	0.836648	
2	2	10	51.1	1340		1.731694	
3	1	16	89.8			1.987552	
4	2	8	55.5	1533		2.598273	
5	3	12	57.6	1216	1970	3.453821	
6	2	16	56.3	1749		3.848046	
7	1	17	60.5			4.576272	
8	1	5	96.6			5.487869	
9	3	12	61.7	1910	1837	6.271399	1
10	2	9	56.3	1756		6.78927	
11	2	7	53.6	1278		7.219476	
12	2	9	77.5	1176		8.051278	
13	1	14	66.5			8.710248	
14	1	8	93.4			9.350578	
15	2	14	91.7	1085		9.527185	
16	3	17	79.4	1520	1338	10.636918	
17	2	15	86.2	1229		11.320184	
18	2	20	62.1	1680		11.385685	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	67.3	1843		0.431079	1
1	2	11	64.2	1548		0.805924	
2	2	7	54.4	1839		1.845285	
3	3	12	62.9	1440	1232	2.862379	
4	2	17	77.6	1445		3.306093	
5	2	10	74.8	1440		4.454547	
6	1	9	97.6			5.225448	
7	2	19	94.1	1061		5.287865	
8	1	17	92.6			6.357922	
9	1	14	96.6			6.980108	
10	2	18	59.2	1914		7.628531	
11	1	20	83.9			8.597385	
12	2	15	79.5	1676		9.637219	
13	2	17	64.6	1851		10.240921	
14	1	19	67.7			11.110452	
15	2	11	89.9	1141		11.645754	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	63.6	1777		0.981638	1
1	2	16	72.2	1637		1.434396	
2	2	7	93.7	1655		2.057345	
3	3	13	70.5	1289	1817	3.425639	
4	2	17	98.5	1164		4.605305	
5	1	14	86.1			5.846411	
6	3	14	62.6	1379	1738	6.272961	
7	2	8	62.8	1264		7.88489	
8	1	12	58.3			8.875922	
9	1	13	55.8			9.52929	
10	2	14	99.9	1728		10.943593	
11	3	17	94	1717	1671	11.835045	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	66.4	1730	1167	0.570011	
1	2	18	54.4	1223		1.231737	
2	1	18	94.6			1.373529	
3	1	10	87.8			2.371448	
4	1	12	89.2			2.833947	
5	2	13	78	1555		3.53214	
6	2	5	63.5	1377		4.064094	
7	3	12	58.1	1255	1602	5.194188	
8	2	19	83.9	1353		5.821618	
9	1	18	82.2			6.501578	1
10	2	14	91.9	1436		6.961374	
11	2	5	51.3	1765		7.569	
12	2	8	53.8	1413		8.297901	
13	3	19	68.5	1296	1085	9.315536	
14	2	11	54.2	1045		9.720638	
15	2	7	77.4	2000		10.176691	
16	1	10	64.3			10.937138	
17	1	6	56			11.578491	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	51	1928		0.54245	
1	1	19	78.7			1.647094	
2	2	8	92.8	1498		2.073707	
3	3	8	96	1300	1626	2.707416	
4	2	19	62.7	1792		4.040447	
5	1	8	60.4			4.335743	
6	2	10	68.5	1113		5.810871	
7	2	7	96.9	1862		6.663294	1
8	1	7	77.3			7.559534	
9	2	17	78.3	1673		8.511642	
10	2	6	57.9	1799		8.830179	
11	3	7	74.1	1361	1808	9.975456	
12	2	11	93.9	1768		10.406364	
13	2	9	56.9	1059		11.726008	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	50.7			0.576893	1
1	2	11	89.8	1693		1.404021	
2	2	19	78.3	1160		1.969662	
3	2	15	97	1993		3.22638	
4	2	19	86.9	1124		3.510771	
5	1	12	63.2			4.374517	
6	2	13	68.4	1062		5.719905	
7	2	15	87.5	1799		6.510352	
8	3	10	61.2	1019	1392	6.980512	
9	2	16	66.7	1766		7.78806	
10	2	14	67.8	1117		8.889299	
11	2	7	84.8	1101		10.258734	
12	3	13	81.9	1326	1344	10.38818	
13	2	18	88.7	1517		11.511708	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	88.8	1269		1.00512	1
1	3	9	75.4	1033	1378	1.682473	
2	2	8	98.1	1078		2.73521	
3	3	11	75.5	1772	1797	4.323766	
4	1	14	71.7			5.692349	
5	3	12	93	1144	1314	6.708286	
6	2	12	60.3	1894		9.267602	
7	1	17	77.6			10.577497	
8	2	10	97.8	1362		11.015392	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	78.5			0.645737	
1	2	12	57.8	1386		1.038224	
2	1	8	60.1			1.879152	
3	1	11	59.3			2.805496	
4	2	9	73.5	1685		3.486902	
5	2	16	79.4	1868		4.191867	
6	3	9	86.4	1267	1079	4.796063	
7	1	6	82.5			5.239995	
8	3	17	79.4	1397	1615	6.281034	1
9	3	7	67.8	1946	1464	7.051387	
10	2	19	91.2	1153		7.479875	
11	3	11	53.9	1685	1223	7.907597	
12	1	16	50.8			9.108263	
13	2	16	71.5	1154		9.81915	
14	3	14	88.2	1105	1864	10.097515	
15	1	6	76.9			11.013417	
16	1	20	76.4			11.663711	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	84.9			0.417918	
1	2	11	62	1285		1.37634	
2	2	18	56.1	1770		2.55397	
3	2	11	86.9	1026		2.810927	
4	3	10	79.9	1667	1572	3.680475	
5	1	9	84.1			4.322224	
6	2	7	96.6	1710		5.630903	
7	2	16	70	1977		6.16499	1
8	1	11	72.9			7.316938	
9	2	20	76.1	1009		8.49836	
10	3	13	55.1	1800	1087	8.716703	
11	1	19	65.3			9.683185	
12	1	7	82.1			10.399578	
13	2	11	59.1	1950		11.848563	

Table-7 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	5603.0, 5416.0, 5618.0, 5565.0, 5439.0, 5685.0, 5641.0, 5357.0, 5384.0, 5265.0, 5436.0, 5314.0, 5304.0, 5514.0, 5341.0, 5403.0, 5566.0, 5521.0, 5261.0, 5652.0, 5587.0, 5644.0, 5590.0, 5379.0, 5394.0, 5496.0, 5481.0, 5399.0, 5519.0, 5569.0, 5377.0, 5551.0, 5718.0, 5408.0, 5376.0, 5309.0, 5294.0, 5606.0, 5451.0, 5523.0, 5671.0, 5484.0, 5485.0, 5575.0, 5480.0, 5283.0, 5460.0, 5406.0, 5631.0, 5532.0, 5444.0, 5577.0, 5462.0, 5639.0, 5516.0, 5547.0, 5340.0, 5563.0, 5525.0, 5482.0, 5282.0, 5672.0, 5293.0, 5706.0, 5306.0, 5325.0, 5342.0, 5530.0, 5696.0, 5280.0, 5690.0, 5339.0, 5645.0, 5312.0, 5640.0, 5554.0, 5561.0, 5359.0, 5421.0, 5395.0, 5622.0, 5595.0, 5411.0, 5502.0, 5585.0, 5277.0, 5720.0, 5611.0, 5668.0, 5362.0, 5358.0, 5479.0, 5632.0, 5417.0, 5660.0, 5505.0, 5414.0, 5313.0, 5552.0, 5591.0 (number of hits: 8)
2	5580	9	1	333	1	5628.0, 5414.0, 5278.0, 5302.0, 5611.0, 5438.0, 5334.0, 5714.0, 5596.0, 5519.0, 5444.0, 5492.0, 5490.0, 5550.0, 5564.0, 5633.0, 5675.0, 5625.0, 5458.0, 5693.0, 5567.0, 5393.0, 5504.0, 5514.0, 5376.0, 5556.0, 5436.0, 5495.0, 5473.0, 5373.0, 5502.0, 5593.0, 5450.0, 5277.0, 5688.0, 5401.0, 5422.0, 5443.0, 5520.0, 5299.0, 5363.0, 5391.0, 5308.0, 5683.0, 5303.0, 5529.0, 5477.0, 5397.0, 5566.0, 5370.0, 5371.0, 5285.0, 5701.0, 5597.0, 5582.0, 5252.0, 5361.0, 5498.0, 5691.0, 5543.0, 5287.0, 5292.0, 5301.0, 5604.0, 5664.0, 5558.0, 5707.0, 5534.0, 5426.0, 5528.0, 5353.0, 5428.0, 5294.0, 5570.0, 5431.0, 5430.0, 5723.0, 5468.0, 5395.0, 5454.0, 5275.0, 5496.0, 5330.0, 5650.0, 5298.0, 5293.0, 5708.0, 5418.0, 5487.0, 5352.0, 5651.0, 5279.0, 5439.0, 5583.0, 5305.0, 5410.0, 5668.0, 5560.0, 5461.0, 5320.0 (number of hits: 12)
3	5580	9	1	333	1	5299.0, 5586.0, 5566.0, 5286.0, 5375.0, 5355.0, 5633.0, 5436.0, 5329.0, 5693.0, 5611.0, 5456.0, 5278.0, 5505.0, 5270.0, 5710.0, 5507.0, 5258.0, 5549.0, 5309.0, 5363.0, 5468.0, 5301.0, 5546.0, 5264.0, 5631.0, 5563.0, 5356.0, 5658.0, 5702.0, 5440.0, 5635.0, 5341.0, 5557.0, 5486.0, 5334.0, 5657.0, 5556.0, 5608.0, 5331.0, 5690.0, 5707.0, 5477.0, 5267.0, 5574.0, 5378.0, 5579.0, 5328.0, 5302.0, 5589.0, 5678.0, 5703.0, 5277.0, 5494.0, 5647.0,

						5512.0, 5466.0, 5682.0, 5539.0, 5538.0, 5514.0, 5472.0, 5416.0, 5484.0, 5282.0, 5489.0, 5612.0, 5351.0, 5535.0, 5369.0, 5639.0, 5709.0, 5609.0, 5718.0, 5642.0, 5293.0, 5257.0, 5350.0, 5390.0, 5362.0, 5587.0, 5298.0, 5444.0, 5367.0, 5602.0, 5483.0, 5541.0, 5336.0, 5392.0, 5544.0, 5307.0, 5386.0, 5676.0, 5664.0, 5679.0, 5704.0, 5253.0, 5353.0, 5330.0, 5272.0 (number of hits: 8)
4	5580	9	1	333	1	5328.0, 5306.0, 5370.0, 5702.0, 5294.0, 5522.0, 5510.0, 5340.0, 5435.0, 5405.0, 5666.0, 5661.0, 5494.0, 5402.0, 5571.0, 5711.0, 5689.0, 5310.0, 5413.0, 5282.0, 5444.0, 5291.0, 5382.0, 5709.0, 5626.0, 5601.0, 5343.0, 5551.0, 5559.0, 5459.0, 5507.0, 5314.0, 5655.0, 5710.0, 5436.0, 5573.0, 5531.0, 5268.0, 5394.0, 5600.0, 5423.0, 5648.0, 5650.0, 5465.0, 5308.0, 5599.0, 5671.0, 5437.0, 5457.0, 5691.0, 5528.0, 5324.0, 5470.0, 5425.0, 5450.0, 5265.0, 5293.0, 5656.0, 5256.0, 5400.0, 5532.0, 5337.0, 5636.0, 5500.0, 5669.0, 5492.0, 5296.0, 5290.0, 5658.0, 5660.0, 5511.0, 5483.0, 5433.0, 5681.0, 5348.0, 5705.0, 5697.0, 5503.0, 5574.0, 5480.0, 5537.0, 5456.0, 5430.0, 5288.0, 5371.0, 5484.0, 5438.0, 5708.0, 5653.0, 5612.0, 5446.0, 5674.0, 5687.0, 5595.0, 5422.0, 5509.0, 5592.0, 5630.0, 5622.0, 5616.0 (number of hits: 10)
5	5580	9	1	333	1	5321.0, 5295.0, 5493.0, 5282.0, 5328.0, 5598.0, 5497.0, 5548.0, 5405.0, 5638.0, 5359.0, 5549.0, 5397.0, 5412.0, 5703.0, 5414.0, 5475.0, 5365.0, 5403.0, 5258.0, 5357.0, 5279.0, 5462.0, 5382.0, 5381.0, 5643.0, 5612.0, 5421.0, 5684.0, 5592.0, 5610.0, 5353.0, 5615.0, 5476.0, 5439.0, 5367.0, 5269.0, 5391.0, 5342.0, 5653.0, 5652.0, 5459.0, 5344.0, 5582.0, 5532.0, 5564.0, 5503.0, 5600.0, 5557.0, 5259.0, 5444.0, 5255.0, 5436.0, 5686.0, 5352.0, 5702.0, 5487.0, 5693.0, 5440.0, 5509.0, 5366.0, 5317.0, 5451.0, 5355.0, 5410.0, 5393.0, 5418.0, 5358.0, 5362.0, 5483.0, 5428.0, 5385.0, 5587.0, 5718.0, 5554.0, 5253.0, 5294.0, 5723.0, 5581.0, 5488.0, 5673.0, 5343.0, 5340.0, 5599.0, 5432.0, 5461.0, 5463.0, 5621.0, 5312.0, 5511.0, 5701.0, 5453.0, 5690.0, 5438.0, 5517.0, 5700.0, 5629.0, 5659.0, 5288.0, 5705.0 (number of hits: 4)
6	5580	9	1	333	1	5301.0, 5510.0, 5367.0, 5277.0, 5391.0, 5514.0, 5409.0, 5291.0, 5408.0, 5569.0, 5504.0, 5479.0, 5549.0, 5358.0, 5342.0, 5489.0, 5583.0, 5425.0, 5412.0, 5617.0, 5397.0, 5636.0, 5287.0, 5532.0, 5295.0, 5565.0, 5329.0, 5598.0, 5501.0, 5354.0, 5594.0, 5322.0, 5714.0, 5682.0, 5432.0,

						5420.0, 5450.0, 5380.0, 5285.0, 5369.0, 5318.0, 5535.0, 5386.0, 5341.0, 5280.0, 5254.0, 5663.0, 5400.0, 5361.0, 5502.0, 5693.0, 5366.0, 5335.0, 5444.0, 5378.0, 5646.0, 5503.0, 5638.0, 5579.0, 5259.0, 5473.0, 5665.0, 5626.0, 5427.0, 5309.0, 5371.0, 5715.0, 5498.0, 5452.0, 5691.0, 5290.0, 5307.0, 5438.0, 5613.0, 5419.0, 5670.0, 5464.0, 5283.0, 5625.0, 5439.0, 5325.0, 5516.0, 5434.0, 5582.0, 5252.0, 5350.0, 5718.0, 5591.0, 5459.0, 5645.0, 5672.0, 5289.0, 5607.0, 5257.0, 5393.0, 5574.0, 5348.0, 5383.0, 5490.0, 5377.0 (number of hits: 9)
7	5580	9	1	333	1	5536.0, 5257.0, 5653.0, 5532.0, 5286.0, 5261.0, 5640.0, 5686.0, 5372.0, 5272.0, 5696.0, 5285.0, 5515.0, 5454.0, 5331.0, 5326.0, 5610.0, 5341.0, 5479.0, 5721.0, 5274.0, 5716.0, 5349.0, 5513.0, 5717.0, 5492.0, 5596.0, 5542.0, 5499.0, 5433.0, 5353.0, 5508.0, 5346.0, 5422.0, 5452.0, 5693.0, 5605.0, 5408.0, 5691.0, 5297.0, 5473.0, 5275.0, 5637.0, 5396.0, 5652.0, 5486.0, 5405.0, 5455.0, 5400.0, 5487.0, 5399.0, 5263.0, 5521.0, 5324.0, 5504.0, 5397.0, 5301.0, 5383.0, 5641.0, 5634.0, 5378.0, 5412.0, 5253.0, 5311.0, 5644.0, 5710.0, 5375.0, 5631.0, 5482.0, 5385.0, 5367.0, 5355.0, 5580.0, 5535.0, 5574.0, 5293.0, 5436.0, 5448.0, 5491.0, 5477.0, 5314.0, 5707.0, 5543.0, 5337.0, 5712.0, 5415.0, 5260.0, 5517.0, 5255.0, 5601.0, 5510.0, 5670.0, 5664.0, 5614.0, 5421.0, 5509.0, 5719.0, 5618.0, 5663.0, 5318.0 (number of hits: 7)
8	5580	9	1	333	1	5415.0, 5437.0, 5467.0, 5711.0, 5551.0, 5339.0, 5694.0, 5712.0, 5604.0, 5632.0, 5350.0, 5273.0, 5345.0, 5296.0, 5590.0, 5456.0, 5470.0, 5311.0, 5374.0, 5718.0, 5656.0, 5537.0, 5558.0, 5276.0, 5318.0, 5412.0, 5588.0, 5594.0, 5341.0, 5396.0, 5255.0, 5576.0, 5674.0, 5482.0, 5258.0, 5706.0, 5290.0, 5391.0, 5540.0, 5524.0, 5498.0, 5556.0, 5268.0, 5436.0, 5384.0, 5645.0, 5581.0, 5542.0, 5266.0, 5466.0, 5269.0, 5689.0, 5356.0, 5378.0, 5496.0, 5599.0, 5698.0, 5450.0, 5697.0, 5587.0, 5469.0, 5308.0, 5463.0, 5557.0, 5315.0, 5264.0, 5566.0, 5721.0, 5434.0, 5554.0, 5305.0, 5720.0, 5347.0, 5528.0, 5613.0, 5365.0, 5529.0, 5676.0, 5492.0, 5643.0, 5693.0, 5660.0, 5664.0, 5432.0, 5320.0, 5357.0, 5630.0, 5583.0, 5560.0, 5317.0, 5716.0, 5389.0, 5572.0, 5610.0, 5298.0, 5647.0, 5611.0, 5395.0, 5455.0, 5387.0 (number of hits: 6)
9	5580	9	1	333	1	5376.0, 5352.0, 5529.0, 5421.0, 5572.0, 5642.0, 5346.0, 5502.0, 5398.0, 5476.0, 5669.0, 5643.0, 5674.0, 5319.0, 5386.0,

						5274.0, 5426.0, 5507.0, 5251.0, 5422.0, 5697.0, 5611.0, 5394.0, 5316.0, 5292.0, 5291.0, 5556.0, 5618.0, 5272.0, 5650.0, 5297.0, 5309.0, 5345.0, 5338.0, 5420.0, 5505.0, 5685.0, 5449.0, 5435.0, 5610.0, 5721.0, 5387.0, 5340.0, 5657.0, 5433.0, 5504.0, 5698.0, 5659.0, 5446.0, 5313.0, 5710.0, 5593.0, 5279.0, 5630.0, 5366.0, 5438.0, 5391.0, 5299.0, 5461.0, 5395.0, 5668.0, 5289.0, 5425.0, 5335.0, 5682.0, 5489.0, 5496.0, 5517.0, 5653.0, 5590.0, 5331.0, 5350.0, 5381.0, 5390.0, 5723.0, 5534.0, 5466.0, 5535.0, 5724.0, 5562.0, 5629.0, 5465.0, 5568.0, 5628.0, 5478.0, 5531.0, 5711.0, 5716.0, 5498.0, 5427.0, 5691.0, 5283.0, 5342.0, 5258.0, 5663.0, 5692.0, 5606.0, 5574.0, 5332.0, 5253.0 (number of hits: 7)
10	5580	9	1	333	1	5557.0, 5479.0, 5265.0, 5623.0, 5402.0, 5336.0, 5696.0, 5453.0, 5371.0, 5445.0, 5688.0, 5527.0, 5411.0, 5461.0, 5335.0, 5537.0, 5602.0, 5419.0, 5553.0, 5464.0, 5607.0, 5346.0, 5590.0, 5618.0, 5632.0, 5697.0, 5480.0, 5334.0, 5721.0, 5674.0, 5330.0, 5719.0, 5324.0, 5616.0, 5665.0, 5705.0, 5362.0, 5639.0, 5289.0, 5320.0, 5478.0, 5475.0, 5259.0, 5646.0, 5672.0, 5703.0, 5641.0, 5277.0, 5613.0, 5338.0, 5603.0, 5636.0, 5716.0, 5707.0, 5548.0, 5448.0, 5399.0, 5315.0, 5530.0, 5375.0, 5551.0, 5288.0, 5295.0, 5283.0, 5604.0, 5622.0, 5424.0, 5668.0, 5667.0, 5683.0, 5484.0, 5555.0, 5599.0, 5406.0, 5644.0, 5301.0, 5296.0, 5609.0, 5680.0, 5416.0, 5408.0, 5325.0, 5333.0, 5369.0, 5653.0, 5543.0, 5276.0, 5266.0, 5270.0, 5426.0, 5389.0, 5519.0, 5299.0, 5361.0, 5414.0, 5329.0, 5574.0, 5350.0, 5417.0, 5509.0 (number of hits: 6)
11	5580	9	1	333	1	5493.0, 5263.0, 5632.0, 5601.0, 5477.0, 5472.0, 5537.0, 5707.0, 5698.0, 5261.0, 5535.0, 5291.0, 5345.0, 5332.0, 5681.0, 5435.0, 5570.0, 5258.0, 5479.0, 5588.0, 5253.0, 5603.0, 5389.0, 5366.0, 5572.0, 5401.0, 5723.0, 5657.0, 5697.0, 5306.0, 5266.0, 5660.0, 5639.0, 5724.0, 5476.0, 5718.0, 5589.0, 5679.0, 5650.0, 5471.0, 5467.0, 5334.0, 5469.0, 5695.0, 5356.0, 5644.0, 5671.0, 5551.0, 5277.0, 5408.0, 5336.0, 5490.0, 5694.0, 5350.0, 5436.0, 5696.0, 5527.0, 5596.0, 5454.0, 5721.0, 5720.0, 5560.0, 5669.0, 5496.0, 5296.0, 5404.0, 5536.0, 5301.0, 5432.0, 5655.0, 5676.0, 5425.0, 5317.0, 5380.0, 5284.0, 5706.0, 5456.0, 5340.0, 5270.0, 5686.0, 5326.0, 5367.0, 5512.0, 5299.0, 5441.0, 5427.0, 5545.0, 5705.0, 5487.0, 5672.0, 5359.0, 5465.0, 5384.0, 5509.0, 5508.0, 5517.0, 5505.0, 5499.0, 5606.0, 5593.0

						(number of hits: 5)
12	5580	9	1	333	1	5470.0, 5589.0, 5549.0, 5610.0, 5253.0, 5263.0, 5644.0, 5449.0, 5322.0, 5534.0, 5689.0, 5380.0, 5342.0, 5581.0, 5295.0, 5595.0, 5712.0, 5460.0, 5422.0, 5693.0, 5598.0, 5487.0, 5340.0, 5663.0, 5421.0, 5590.0, 5480.0, 5330.0, 5420.0, 5683.0, 5405.0, 5532.0, 5451.0, 5630.0, 5345.0, 5620.0, 5346.0, 5363.0, 5696.0, 5382.0, 5521.0, 5507.0, 5325.0, 5287.0, 5627.0, 5674.0, 5408.0, 5297.0, 5658.0, 5552.0, 5402.0, 5486.0, 5557.0, 5541.0, 5452.0, 5520.0, 5389.0, 5709.0, 5607.0, 5267.0, 5455.0, 5711.0, 5517.0, 5323.0, 5578.0, 5641.0, 5604.0, 5441.0, 5664.0, 5385.0, 5361.0, 5354.0, 5260.0, 5704.0, 5453.0, 5623.0, 5351.0, 5374.0, 5411.0, 5597.0, 5438.0, 5462.0, 5463.0, 5296.0, 5586.0, 5667.0, 5264.0, 5681.0, 5417.0, 5596.0, 5364.0, 5318.0, 5582.0, 5454.0, 5608.0, 5418.0, 5525.0, 5719.0, 5575.0, 5722.0 (number of hits: 4)
13	5580	9	1	333	1	5573.0, 5406.0, 5329.0, 5651.0, 5675.0, 5503.0, 5260.0, 5400.0, 5630.0, 5520.0, 5489.0, 5429.0, 5644.0, 5525.0, 5320.0, 5691.0, 5465.0, 5614.0, 5654.0, 5585.0, 5557.0, 5319.0, 5662.0, 5363.0, 5648.0, 5679.0, 5395.0, 5623.0, 5722.0, 5362.0, 5609.0, 5669.0, 5542.0, 5499.0, 5700.0, 5478.0, 5493.0, 5600.0, 5467.0, 5353.0, 5271.0, 5323.0, 5649.0, 5374.0, 5487.0, 5281.0, 5424.0, 5546.0, 5697.0, 5569.0, 5254.0, 5287.0, 5692.0, 5307.0, 5535.0, 5656.0, 5511.0, 5476.0, 5687.0, 5527.0, 5481.0, 5565.0, 5480.0, 5315.0, 5358.0, 5587.0, 5477.0, 5428.0, 5331.0, 5252.0, 5632.0, 5267.0, 5572.0, 5606.0, 5427.0, 5698.0, 5495.0, 5485.0, 5357.0, 5578.0, 5288.0, 5415.0, 5442.0, 5484.0, 5670.0, 5285.0, 5699.0, 5553.0, 5356.0, 5522.0, 5463.0, 5633.0, 5621.0, 5704.0, 5462.0, 5453.0, 5723.0, 5504.0, 5595.0, 5333.0 (number of hits: 4)
14	5580	9	1	333	1	5429.0, 5622.0, 5663.0, 5552.0, 5509.0, 5288.0, 5625.0, 5447.0, 5654.0, 5713.0, 5538.0, 5306.0, 5427.0, 5361.0, 5501.0, 5430.0, 5599.0, 5339.0, 5294.0, 5496.0, 5410.0, 5495.0, 5636.0, 5682.0, 5292.0, 5436.0, 5409.0, 5611.0, 5718.0, 5506.0, 5702.0, 5548.0, 5287.0, 5553.0, 5388.0, 5439.0, 5459.0, 5425.0, 5640.0, 5342.0, 5617.0, 5705.0, 5668.0, 5381.0, 5312.0, 5693.0, 5331.0, 5324.0, 5672.0, 5464.0, 5349.0, 5443.0, 5637.0, 5572.0, 5555.0, 5635.0, 5546.0, 5487.0, 5666.0, 5701.0, 5469.0, 5438.0, 5252.0, 5521.0, 5712.0, 5561.0, 5304.0, 5560.0, 5419.0, 5317.0, 5515.0, 5348.0, 5568.0, 5323.0, 5351.0, 5500.0, 5283.0, 5679.0, 5396.0, 5595.0,

						5684.0, 5308.0, 5691.0, 5645.0, 5454.0, 5374.0, 5391.0, 5716.0, 5282.0, 5627.0, 5680.0, 5337.0, 5677.0, 5284.0, 5532.0, 5507.0, 5583.0, 5457.0, 5542.0, 5356.0 (number of hits: 8)
15	5580	9	1	333	1	5297.0, 5525.0, 5696.0, 5635.0, 5626.0, 5512.0, 5707.0, 5404.0, 5331.0, 5544.0, 5611.0, 5422.0, 5250.0, 5720.0, 5294.0, 5341.0, 5576.0, 5446.0, 5592.0, 5306.0, 5377.0, 5594.0, 5279.0, 5384.0, 5318.0, 5490.0, 5550.0, 5397.0, 5684.0, 5704.0, 5653.0, 5465.0, 5543.0, 5706.0, 5314.0, 5395.0, 5433.0, 5449.0, 5647.0, 5580.0, 5299.0, 5450.0, 5458.0, 5324.0, 5623.0, 5595.0, 5718.0, 5290.0, 5406.0, 5687.0, 5305.0, 5669.0, 5628.0, 5695.0, 5359.0, 5307.0, 5471.0, 5473.0, 5619.0, 5549.0, 5310.0, 5523.0, 5555.0, 5522.0, 5315.0, 5332.0, 5643.0, 5511.0, 5405.0, 5271.0, 5678.0, 5425.0, 5298.0, 5613.0, 5253.0, 5487.0, 5470.0, 5705.0, 5585.0, 5505.0, 5676.0, 5358.0, 5454.0, 5442.0, 5521.0, 5267.0, 5526.0, 5403.0, 5566.0, 5301.0, 5468.0, 5466.0, 5355.0, 5651.0, 5383.0, 5483.0, 5581.0, 5575.0, 5649.0, 5721.0 (number of hits: 11)
16	5580	9	1	333	1	5503.0, 5296.0, 5594.0, 5358.0, 5625.0, 5724.0, 5639.0, 5632.0, 5483.0, 5543.0, 5347.0, 5706.0, 5536.0, 5691.0, 5529.0, 5402.0, 5521.0, 5289.0, 5274.0, 5528.0, 5275.0, 5287.0, 5684.0, 5636.0, 5666.0, 5405.0, 5526.0, 5399.0, 5304.0, 5386.0, 5533.0, 5474.0, 5698.0, 5682.0, 5578.0, 5350.0, 5427.0, 5372.0, 5420.0, 5588.0, 5349.0, 5550.0, 5422.0, 5276.0, 5381.0, 5714.0, 5436.0, 5308.0, 5668.0, 5326.0, 5693.0, 5504.0, 5694.0, 5361.0, 5294.0, 5523.0, 5366.0, 5404.0, 5450.0, 5586.0, 5359.0, 5468.0, 5556.0, 5346.0, 5701.0, 5640.0, 5628.0, 5421.0, 5322.0, 5696.0, 5310.0, 5357.0, 5277.0, 5600.0, 5548.0, 5502.0, 5482.0, 5565.0, 5306.0, 5711.0, 5705.0, 5466.0, 5657.0, 5387.0, 5331.0, 5551.0, 5648.0, 5457.0, 5662.0, 5593.0, 5646.0, 5391.0, 5403.0, 5598.0, 5641.0, 5369.0, 5617.0, 5560.0, 5373.0, 5313.0 (number of hits: 9)
17	5580	9	1	333	1	5582.0, 5503.0, 5553.0, 5369.0, 5603.0, 5358.0, 5692.0, 5661.0, 5535.0, 5489.0, 5660.0, 5254.0, 5674.0, 5352.0, 5502.0, 5385.0, 5252.0, 5428.0, 5616.0, 5391.0, 5516.0, 5307.0, 5364.0, 5437.0, 5355.0, 5659.0, 5717.0, 5493.0, 5647.0, 5263.0, 5382.0, 5561.0, 5619.0, 5404.0, 5343.0, 5455.0, 5431.0, 5624.0, 5440.0, 5333.0, 5483.0, 5554.0, 5407.0, 5574.0, 5461.0, 5713.0, 5512.0, 5276.0, 5593.0, 5698.0, 5255.0, 5564.0, 5507.0, 5488.0, 5587.0, 5615.0, 5401.0, 5672.0, 5536.0, 5433.0,

						5658.0, 5410.0, 5323.0, 5500.0, 5466.0, 5498.0, 5650.0, 5294.0, 5645.0, 5682.0, 5251.0, 5652.0, 5559.0, 5580.0, 5392.0, 5637.0, 5366.0, 5377.0, 5418.0, 5504.0, 5425.0, 5296.0, 5312.0, 5613.0, 5331.0, 5487.0, 5518.0, 5281.0, 5332.0, 5447.0, 5274.0, 5415.0, 5442.0, 5701.0, 5387.0, 5452.0, 5347.0, 5543.0, 5462.0, 5576.0 (number of hits: 4)
18	5580	9	1	333	1	5361.0, 5485.0, 5480.0, 5613.0, 5615.0, 5258.0, 5696.0, 5274.0, 5271.0, 5296.0, 5661.0, 5332.0, 5467.0, 5619.0, 5396.0, 5289.0, 5629.0, 5676.0, 5561.0, 5521.0, 5260.0, 5455.0, 5369.0, 5520.0, 5536.0, 5645.0, 5275.0, 5677.0, 5624.0, 5322.0, 5440.0, 5702.0, 5395.0, 5354.0, 5555.0, 5259.0, 5261.0, 5703.0, 5397.0, 5681.0, 5404.0, 5376.0, 5671.0, 5715.0, 5250.0, 5609.0, 5502.0, 5279.0, 5596.0, 5593.0, 5436.0, 5720.0, 5460.0, 5556.0, 5566.0, 5277.0, 5351.0, 5389.0, 5365.0, 5688.0, 5431.0, 5262.0, 5479.0, 5697.0, 5546.0, 5549.0, 5383.0, 5427.0, 5252.0, 5471.0, 5670.0, 5620.0, 5282.0, 5724.0, 5717.0, 5287.0, 5490.0, 5286.0, 5293.0, 5701.0, 5628.0, 5542.0, 5707.0, 5515.0, 5343.0, 5665.0, 5356.0, 5606.0, 5423.0, 5530.0, 5417.0, 5504.0, 5302.0, 5709.0, 5654.0, 5426.0, 5662.0, 5339.0, 5621.0, 5653.0 (number of hits: 6)
19	5580	9	1	333	1	5284.0, 5418.0, 5481.0, 5515.0, 5618.0, 5579.0, 5523.0, 5670.0, 5680.0, 5442.0, 5445.0, 5304.0, 5272.0, 5422.0, 5435.0, 5475.0, 5354.0, 5550.0, 5622.0, 5297.0, 5391.0, 5389.0, 5488.0, 5709.0, 5587.0, 5563.0, 5708.0, 5388.0, 5322.0, 5359.0, 5595.0, 5700.0, 5267.0, 5642.0, 5616.0, 5596.0, 5567.0, 5512.0, 5632.0, 5277.0, 5627.0, 5335.0, 5299.0, 5538.0, 5685.0, 5397.0, 5377.0, 5672.0, 5527.0, 5384.0, 5279.0, 5705.0, 5363.0, 5360.0, 5266.0, 5697.0, 5381.0, 5403.0, 5619.0, 5503.0, 5263.0, 5683.0, 5673.0, 5504.0, 5536.0, 5510.0, 5594.0, 5513.0, 5294.0, 5374.0, 5525.0, 5610.0, 5657.0, 5449.0, 5467.0, 5564.0, 5372.0, 5520.0, 5641.0, 5470.0, 5457.0, 5714.0, 5370.0, 5458.0, 5438.0, 5671.0, 5367.0, 5560.0, 5528.0, 5353.0, 5283.0, 5576.0, 5717.0, 5608.0, 5570.0, 5430.0, 5643.0, 5507.0, 5288.0, 5468.0 (number of hits: 5)
20	5580	9	1	333	1	5523.0, 5581.0, 5665.0, 5459.0, 5584.0, 5430.0, 5301.0, 5653.0, 5481.0, 5689.0, 5352.0, 5705.0, 5700.0, 5361.0, 5698.0, 5306.0, 5429.0, 5490.0, 5329.0, 5690.0, 5721.0, 5363.0, 5268.0, 5549.0, 5479.0, 5426.0, 5603.0, 5519.0, 5348.0, 5516.0, 5712.0, 5502.0, 5391.0, 5334.0, 5682.0, 5646.0, 5370.0, 5337.0, 5416.0, 5448.0,

						5625.0, 5418.0, 5618.0, 5504.0, 5614.0, 5387.0, 5649.0, 5422.0, 5264.0, 5534.0, 5515.0, 5552.0, 5525.0, 5718.0, 5291.0, 5503.0, 5506.0, 5284.0, 5252.0, 5587.0, 5454.0, 5647.0, 5272.0, 5446.0, 5276.0, 5621.0, 5708.0, 5644.0, 5377.0, 5591.0, 5369.0, 5617.0, 5316.0, 5480.0, 5536.0, 5292.0, 5325.0, 5345.0, 5380.0, 5338.0, 5469.0, 5457.0, 5498.0, 5518.0, 5440.0, 5464.0, 5392.0, 5332.0, 5327.0, 5331.0, 5670.0, 5412.0, 5509.0, 5520.0, 5576.0, 5326.0, 5473.0, 5474.0, 5526.0, 5570.0 (number of hits: 4)
21	5580	9	1	333	1	5277.0, 5585.0, 5698.0, 5609.0, 5451.0, 5606.0, 5361.0, 5280.0, 5540.0, 5406.0, 5497.0, 5316.0, 5359.0, 5374.0, 5518.0, 5292.0, 5321.0, 5332.0, 5575.0, 5587.0, 5464.0, 5285.0, 5267.0, 5514.0, 5549.0, 5462.0, 5466.0, 5673.0, 5512.0, 5557.0, 5718.0, 5295.0, 5519.0, 5362.0, 5392.0, 5302.0, 5322.0, 5533.0, 5399.0, 5614.0, 5697.0, 5412.0, 5520.0, 5338.0, 5610.0, 5438.0, 5394.0, 5561.0, 5334.0, 5621.0, 5636.0, 5560.0, 5624.0, 5502.0, 5426.0, 5349.0, 5414.0, 5703.0, 5465.0, 5314.0, 5297.0, 5402.0, 5460.0, 5424.0, 5393.0, 5639.0, 5252.0, 5376.0, 5720.0, 5385.0, 5480.0, 5663.0, 5482.0, 5400.0, 5388.0, 5452.0, 5255.0, 5572.0, 5350.0, 5710.0, 5488.0, 5713.0, 5282.0, 5383.0, 5318.0, 5382.0, 5554.0, 5257.0, 5681.0, 5253.0, 5381.0, 5528.0, 5716.0, 5603.0, 5537.0, 5705.0, 5702.0, 5599.0, 5534.0, 5357.0 (number of hits: 6)
22	5580	9	1	333	1	5402.0, 5355.0, 5570.0, 5306.0, 5389.0, 5282.0, 5610.0, 5310.0, 5386.0, 5563.0, 5536.0, 5295.0, 5483.0, 5324.0, 5369.0, 5435.0, 5599.0, 5335.0, 5307.0, 5591.0, 5290.0, 5558.0, 5477.0, 5604.0, 5416.0, 5529.0, 5445.0, 5357.0, 5268.0, 5648.0, 5686.0, 5653.0, 5373.0, 5269.0, 5341.0, 5560.0, 5473.0, 5707.0, 5503.0, 5588.0, 5404.0, 5544.0, 5550.0, 5651.0, 5252.0, 5681.0, 5632.0, 5489.0, 5635.0, 5303.0, 5641.0, 5395.0, 5305.0, 5663.0, 5705.0, 5708.0, 5660.0, 5634.0, 5540.0, 5468.0, 5316.0, 5333.0, 5505.0, 5401.0, 5623.0, 5375.0, 5552.0, 5711.0, 5320.0, 5377.0, 5699.0, 5486.0, 5649.0, 5428.0, 5348.0, 5352.0, 5569.0, 5338.0, 5664.0, 5528.0, 5279.0, 5344.0, 5655.0, 5523.0, 5331.0, 5437.0, 5265.0, 5508.0, 5397.0, 5684.0, 5594.0, 5697.0, 5509.0, 5510.0, 5692.0, 5639.0, 5396.0, 5257.0, 5559.0, 5358.0 (number of hits: 7)
23	5580	9	1	333	1	5620.0, 5523.0, 5400.0, 5321.0, 5467.0, 5635.0, 5509.0, 5318.0, 5494.0, 5597.0, 5330.0, 5416.0, 5366.0, 5447.0, 5564.0, 5444.0, 5601.0, 5365.0, 5285.0, 5680.0,

						5617.0, 5636.0, 5532.0, 5462.0, 5520.0, 5407.0, 5343.0, 5704.0, 5434.0, 5332.0, 5295.0, 5528.0, 5537.0, 5629.0, 5653.0, 5694.0, 5715.0, 5693.0, 5355.0, 5684.0, 5588.0, 5420.0, 5504.0, 5661.0, 5506.0, 5526.0, 5546.0, 5710.0, 5637.0, 5711.0, 5573.0, 5451.0, 5442.0, 5396.0, 5445.0, 5703.0, 5669.0, 5581.0, 5290.0, 5337.0, 5496.0, 5293.0, 5652.0, 5483.0, 5353.0, 5508.0, 5469.0, 5334.0, 5401.0, 5551.0, 5607.0, 5370.0, 5557.0, 5340.0, 5298.0, 5267.0, 5662.0, 5571.0, 5429.0, 5609.0, 5254.0, 5596.0, 5294.0, 5369.0, 5632.0, 5424.0, 5699.0, 5569.0, 5357.0, 5582.0, 5645.0, 5706.0, 5392.0, 5679.0, 5608.0, 5545.0, 5393.0, 5305.0, 5368.0, 5465.0 (number of hits: 7)
24	5580	9	1	333	1	5415.0, 5377.0, 5309.0, 5373.0, 5520.0, 5253.0, 5491.0, 5611.0, 5675.0, 5626.0, 5600.0, 5720.0, 5593.0, 5319.0, 5562.0, 5676.0, 5575.0, 5640.0, 5545.0, 5642.0, 5464.0, 5334.0, 5479.0, 5313.0, 5256.0, 5353.0, 5669.0, 5391.0, 5349.0, 5475.0, 5472.0, 5617.0, 5672.0, 5343.0, 5385.0, 5473.0, 5555.0, 5280.0, 5287.0, 5266.0, 5294.0, 5544.0, 5497.0, 5590.0, 5295.0, 5402.0, 5318.0, 5618.0, 5286.0, 5592.0, 5394.0, 5460.0, 5495.0, 5470.0, 5423.0, 5434.0, 5305.0, 5284.0, 5411.0, 5496.0, 5469.0, 5260.0, 5441.0, 5383.0, 5458.0, 5324.0, 5468.0, 5501.0, 5412.0, 5273.0, 5492.0, 5365.0, 5446.0, 5710.0, 5274.0, 5463.0, 5476.0, 5616.0, 5629.0, 5397.0, 5314.0, 5392.0, 5700.0, 5585.0, 5357.0, 5679.0, 5342.0, 5687.0, 5697.0, 5667.0, 5486.0, 5564.0, 5252.0, 5439.0, 5390.0, 5340.0, 5396.0, 5405.0, 5346.0, 5408.0 (number of hits: 8)
25	5580	9	1	333	1	5475.0, 5434.0, 5392.0, 5295.0, 5584.0, 5467.0, 5704.0, 5505.0, 5390.0, 5433.0, 5546.0, 5548.0, 5698.0, 5316.0, 5694.0, 5340.0, 5604.0, 5282.0, 5457.0, 5473.0, 5271.0, 5335.0, 5600.0, 5655.0, 5671.0, 5389.0, 5362.0, 5387.0, 5480.0, 5547.0, 5561.0, 5597.0, 5386.0, 5440.0, 5514.0, 5488.0, 5551.0, 5321.0, 5462.0, 5697.0, 5451.0, 5482.0, 5347.0, 5304.0, 5339.0, 5588.0, 5670.0, 5696.0, 5616.0, 5710.0, 5713.0, 5657.0, 5587.0, 5437.0, 5419.0, 5481.0, 5426.0, 5646.0, 5564.0, 5681.0, 5446.0, 5300.0, 5635.0, 5522.0, 5273.0, 5650.0, 5420.0, 5699.0, 5711.0, 5500.0, 5310.0, 5615.0, 5695.0, 5277.0, 5629.0, 5628.0, 5601.0, 5447.0, 5269.0, 5591.0, 5549.0, 5427.0, 5621.0, 5672.0, 5593.0, 5393.0, 5675.0, 5688.0, 5251.0, 5323.0, 5378.0, 5376.0, 5439.0, 5603.0, 5509.0, 5281.0, 5261.0, 5315.0, 5630.0, 5534.0 (number of hits: 4)

26	5580	9	1	333	1	5553.0, 5380.0, 5497.0, 5670.0, 5250.0, 5707.0, 5344.0, 5614.0, 5446.0, 5319.0, 5525.0, 5692.0, 5507.0, 5476.0, 5516.0, 5267.0, 5493.0, 5268.0, 5460.0, 5405.0, 5349.0, 5481.0, 5477.0, 5615.0, 5716.0, 5575.0, 5485.0, 5533.0, 5508.0, 5347.0, 5394.0, 5547.0, 5443.0, 5595.0, 5579.0, 5499.0, 5624.0, 5708.0, 5515.0, 5633.0, 5421.0, 5382.0, 5629.0, 5710.0, 5284.0, 5620.0, 5656.0, 5655.0, 5630.0, 5491.0, 5417.0, 5270.0, 5573.0, 5678.0, 5568.0, 5636.0, 5258.0, 5582.0, 5666.0, 5609.0, 5556.0, 5310.0, 5355.0, 5583.0, 5723.0, 5474.0, 5545.0, 5592.0, 5506.0, 5673.0, 5252.0, 5519.0, 5456.0, 5320.0, 5337.0, 5364.0, 5434.0, 5627.0, 5641.0, 5528.0, 5368.0, 5585.0, 5369.0, 5604.0, 5329.0, 5532.0, 5712.0, 5554.0, 5312.0, 5262.0, 5600.0, 5580.0, 5471.0, 5637.0, 5514.0, 5318.0, 5577.0, 5393.0, 5684.0, 5639.0 (number of hits: 2)
27	5580	9	1	333	1	5422.0, 5469.0, 5625.0, 5612.0, 5303.0, 5335.0, 5385.0, 5477.0, 5690.0, 5287.0, 5719.0, 5277.0, 5488.0, 5425.0, 5666.0, 5712.0, 5380.0, 5535.0, 5412.0, 5651.0, 5599.0, 5645.0, 5681.0, 5536.0, 5297.0, 5676.0, 5507.0, 5329.0, 5522.0, 5447.0, 5356.0, 5323.0, 5628.0, 5701.0, 5631.0, 5566.0, 5415.0, 5604.0, 5512.0, 5288.0, 5674.0, 5411.0, 5274.0, 5476.0, 5720.0, 5285.0, 5292.0, 5698.0, 5596.0, 5301.0, 5375.0, 5574.0, 5550.0, 5718.0, 5423.0, 5593.0, 5641.0, 5310.0, 5408.0, 5633.0, 5608.0, 5579.0, 5684.0, 5703.0, 5331.0, 5456.0, 5405.0, 5702.0, 5448.0, 5696.0, 5528.0, 5391.0, 5561.0, 5343.0, 5363.0, 5646.0, 5722.0, 5333.0, 5290.0, 5511.0, 5688.0, 5317.0, 5390.0, 5546.0, 5588.0, 5259.0, 5601.0, 5694.0, 5440.0, 5280.0, 5407.0, 5355.0, 5386.0, 5663.0, 5594.0, 5489.0, 5371.0, 5255.0, 5615.0, 5344.0 (number of hits: 9)
28	5580	9	1	333	1	5359.0, 5693.0, 5538.0, 5403.0, 5565.0, 5665.0, 5617.0, 5393.0, 5503.0, 5518.0, 5453.0, 5630.0, 5285.0, 5318.0, 5709.0, 5474.0, 5341.0, 5314.0, 5588.0, 5458.0, 5316.0, 5488.0, 5500.0, 5384.0, 5459.0, 5476.0, 5552.0, 5513.0, 5547.0, 5561.0, 5624.0, 5615.0, 5591.0, 5454.0, 5426.0, 5338.0, 5690.0, 5447.0, 5441.0, 5721.0, 5479.0, 5353.0, 5633.0, 5632.0, 5583.0, 5642.0, 5702.0, 5396.0, 5697.0, 5283.0, 5491.0, 5461.0, 5364.0, 5523.0, 5389.0, 5274.0, 5687.0, 5658.0, 5719.0, 5681.0, 5321.0, 5363.0, 5508.0, 5362.0, 5581.0, 5298.0, 5651.0, 5463.0, 5444.0, 5356.0, 5657.0, 5484.0, 5354.0, 5722.0, 5562.0, 5425.0, 5424.0, 5257.0, 5297.0, 5450.0, 5567.0, 5347.0, 5712.0, 5696.0, 5342.0,

						5365.0, 5446.0, 5643.0, 5589.0, 5628.0, 5587.0, 5288.0, 5311.0, 5489.0, 5528.0, 5345.0, 5674.0, 5586.0, 5646.0, 5451.0 (number of hits: 6)
29	5580	9	1	333	1	5690.0, 5352.0, 5481.0, 5616.0, 5510.0, 5272.0, 5598.0, 5410.0, 5286.0, 5542.0, 5425.0, 5626.0, 5273.0, 5390.0, 5394.0, 5416.0, 5718.0, 5547.0, 5374.0, 5418.0, 5485.0, 5588.0, 5436.0, 5640.0, 5346.0, 5389.0, 5539.0, 5621.0, 5573.0, 5314.0, 5505.0, 5393.0, 5413.0, 5705.0, 5474.0, 5289.0, 5537.0, 5361.0, 5636.0, 5722.0, 5619.0, 5257.0, 5303.0, 5473.0, 5545.0, 5643.0, 5583.0, 5440.0, 5586.0, 5513.0, 5325.0, 5392.0, 5358.0, 5594.0, 5362.0, 5366.0, 5560.0, 5253.0, 5723.0, 5664.0, 5689.0, 5290.0, 5335.0, 5442.0, 5599.0, 5451.0, 5675.0, 5347.0, 5487.0, 5279.0, 5297.0, 5492.0, 5665.0, 5493.0, 5500.0, 5368.0, 5528.0, 5402.0, 5263.0, 5695.0, 5655.0, 5516.0, 5483.0, 5697.0, 5313.0, 5526.0, 5670.0, 5518.0, 5285.0, 5271.0, 5641.0, 5663.0, 5699.0, 5646.0, 5302.0, 5472.0, 5276.0, 5357.0, 5572.0, 5405.0 (number of hits: 9)
30	5580	9	1	333	1	5523.0, 5648.0, 5623.0, 5285.0, 5269.0, 5470.0, 5641.0, 5546.0, 5675.0, 5456.0, 5492.0, 5571.0, 5336.0, 5606.0, 5399.0, 5381.0, 5688.0, 5547.0, 5601.0, 5711.0, 5354.0, 5503.0, 5320.0, 5455.0, 5610.0, 5509.0, 5402.0, 5430.0, 5360.0, 5563.0, 5654.0, 5266.0, 5389.0, 5596.0, 5705.0, 5721.0, 5319.0, 5605.0, 5491.0, 5479.0, 5704.0, 5326.0, 5632.0, 5561.0, 5643.0, 5271.0, 5565.0, 5300.0, 5395.0, 5387.0, 5488.0, 5678.0, 5572.0, 5653.0, 5714.0, 5494.0, 5316.0, 5526.0, 5281.0, 5614.0, 5681.0, 5277.0, 5274.0, 5294.0, 5524.0, 5371.0, 5288.0, 5369.0, 5597.0, 5290.0, 5518.0, 5368.0, 5365.0, 5258.0, 5306.0, 5447.0, 5338.0, 5660.0, 5301.0, 5342.0, 5695.0, 5691.0, 5396.0, 5603.0, 5345.0, 5361.0, 5528.0, 5682.0, 5308.0, 5640.0, 5303.0, 5390.0, 5664.0, 5433.0, 5476.0, 5497.0, 5255.0, 5376.0, 5270.0, 5658.0 (number of hits: 9)

5270 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 0	30	100 %	60%	Pass
Type 1 A	30	100 %	60%	Pass
Type 1 B				
Type 2	30	80 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	95 %	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-1 Radar Type 0 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	18	1	1428	1
2	5270	18	1	1428	1
3	5270	18	1	1428	1
4	5270	18	1	1428	1
5	5270	18	1	1428	1
6	5270	18	1	1428	1
7	5270	18	1	1428	1
8	5270	18	1	1428	1
9	5270	18	1	1428	1
10	5270	18	1	1428	1
11	5270	18	1	1428	1
12	5270	18	1	1428	1
13	5270	18	1	1428	1
14	5270	18	1	1428	1
15	5270	18	1	1428	1
16	5270	18	1	1428	1
17	5270	18	1	1428	1
18	5270	18	1	1428	1
19	5270	18	1	1428	1
20	5270	18	1	1428	1
21	5270	18	1	1428	1
22	5270	18	1	1428	1
23	5270	18	1	1428	1
24	5270	18	1	1428	1
25	5270	18	1	1428	1
26	5270	18	1	1428	1
27	5270	18	1	1428	1
28	5270	18	1	1428	1
29	5270	18	1	1428	1
30	5270	18	1	1428	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 1(A/B) Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1 (A)	5270	92	1	578	1
2 (A)	5270	89	1	598	1
3 (A)	5270	65	1	818	1
4 (A)	5270	18	1	3066	1
5 (A)	5270	78	1	678	1
6 (A)	5270	62	1	858	1
7 (A)	5270	63	1	838	1
8 (A)	5270	72	1	738	1
9 (A)	5270	83	1	638	1
10 (A)	5270	102	1	518	1
11 (A)	5270	99	1	538	1
12 (A)	5270	76	1	698	1
13 (A)	5270	81	1	658	1
14 (A)	5270	67	1	798	1
15 (A)	5270	86	1	618	1
16 (B)	5270	88	1	605	1
17 (B)	5270	32	1	1682	1
18 (B)	5270	80	1	661	1
19 (B)	5270	30	1	1791	1
20 (B)	5270	85	1	623	1
21 (B)	5270	24	1	2278	1
22 (B)	5270	23	1	2339	1
23 (B)	5270	43	1	1241	1
24 (B)	5270	34	1	1592	1
25 (B)	5270	42	1	1281	1
26 (B)	5270	24	1	2222	1
27 (B)	5270	35	1	1517	1
28 (B)	5270	40	1	1335	1
29 (B)	5270	25	1	2193	1
30 (B)	5270	59	1	901	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	28	1.8	219	1
2	5270	24	2.4	202	1
3	5270	27	2	158	1
4	5270	27	4.1	209	1
5	5270	23	2	184	1
6	5270	25	3.7	168	1
7	5270	25	2.8	172	1
8	5270	27	5	152	1
9	5270	26	4.6	163	1
10	5270	26	3.2	209	1
11	5270	27	1.1	152	1
12	5270	28	2.2	197	1
13	5270	27	1.1	171	1
14	5270	23	1.7	217	0
15	5270	25	2.4	223	0
16	5270	23	1.1	167	1
17	5270	27	4.8	224	1
18	5270	24	1.5	203	1
19	5270	24	2.8	153	1
20	5270	26	1.3	192	1
21	5270	28	1.1	170	1
22	5270	23	1.1	152	1
23	5270	28	4.4	197	1
24	5270	26	2.3	191	0
25	5270	26	4.5	195	1
26	5270	23	3.4	189	1
27	5270	29	2.2	180	0
28	5270	29	1.9	199	0
29	5270	25	2.4	216	0
30	5270	27	3	198	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	18	9.1	393	1
2	5270	16	8.5	405	1
3	5270	17	6.3	375	1
4	5270	17	8.7	339	1
5	5270	18	7.6	435	1
6	5270	16	8.4	395	1
7	5270	18	9.9	355	1
8	5270	16	7	274	1
9	5270	16	8.6	202	1
10	5270	16	7.7	291	1
11	5270	18	8.3	381	1
12	5270	17	8.8	249	1
13	5270	16	6.3	279	1
14	5270	16	7.9	281	1
15	5270	18	8	398	1
16	5270	16	9.6	231	1
17	5270	18	8	275	1
18	5270	17	6.2	437	1
19	5270	16	6.3	316	1
20	5270	16	6.6	210	1
21	5270	18	9	207	1
22	5270	16	9.8	369	1
23	5270	16	9.8	373	1
24	5270	17	7.4	402	1
25	5270	17	6.8	492	1
26	5270	16	6.4	480	1
27	5270	18	6.1	341	1
28	5270	16	10	210	1
29	5270	18	9.6	279	1
30	5270	18	6.8	254	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	15	19.1	313	1
2	5270	16	18.7	406	1
3	5270	13	17.5	339	1
4	5270	12	15.5	326	1
5	5270	12	18.5	263	1
6	5270	14	13.2	236	1
7	5270	14	19.1	264	1
8	5270	15	18.6	343	1
9	5270	14	17.1	404	1
10	5270	12	18.1	408	1
11	5270	12	14	258	1
12	5270	13	14.8	260	1
13	5270	12	19.1	320	1
14	5270	13	11.6	285	1
15	5270	15	18	327	1
16	5270	13	19.2	210	1
17	5270	15	16.1	424	1
18	5270	12	11.8	388	1
19	5270	13	11.7	391	1
20	5270	13	18.4	460	1
21	5270	13	19.4	237	1
22	5270	16	12.9	495	1
23	5270	13	11.4	258	1
24	5270	16	19.1	398	1
25	5270	15	16.5	342	1
26	5270	15	11.7	239	1
27	5270	12	18.8	441	1
28	5270	15	13.7	436	1
29	5270	14	12.1	360	1
30	5270	16	15.9	447	1
Detection Percentage: 100 % (>60%)					

Table-6 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	97.4			0.361091	1
1	2	11	72.7	1575		1.22295	
2	2	7	63.1	1633		2.023774	
3	1	13	61.4			2.813403	
4	2	11	88.7	1480		3.286823	
5	2	10	52.3	1775		4.345141	
6	3	16	69	1724	1887	5.223825	
7	2	12	57.1	1095		6.01697	
8	2	14	84.4	1363		6.624613	
9	1	20	78.9			7.618373	
10	2	8	80.1	1631		8.407643	
11	1	14	65.2			8.853504	
12	2	16	83.2	1461		9.894263	
13	2	5	68.5	1551		10.954764	
14	2	13	75.5	1510		11.263958	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	89.3	1578		0.56056	
1	1	9	61.7			1.227648	
2	1	16	62.2			1.496999	
3	3	14	92.2	1625	1728	2.088377	
4	3	19	55.8	1506	1738	2.706563	
5	2	8	89.6	1454		3.35447	
6	1	11	67.5			4.251476	
7	2	20	73.5	1003		4.792228	
8	3	20	84.3	1354	1760	5.341891	
9	2	18	95.3	1386		5.894212	1
10	2	8	92.5	1662		6.632431	
11	2	6	76.4	1853		7.543712	
12	3	12	69.9	1302	1966	7.735307	
13	3	7	94	1254	1977	8.211362	
14	1	19	70.8			9.001133	
15	1	17	70.1			9.505774	
16	2	9	51.6	1436		10.451608	
17	2	16	90.9	1187		11.306452	
18	3	15	78.9	1582	1527	11.914034	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	55.5	1530		0.141025	
1	3	6	56.3	1833	1541	0.724574	
2	2	6	96.6	1584		1.992162	
3	2	18	91.1	1608		2.592868	
4	2	12	52	1640		2.791111	
5	3	14	76.5	1068	1035	3.413227	
6	3	14	59.9	1673	1948	4.047775	
7	2	13	71.8	1775		5.261067	
8	1	19	87.7			5.434587	
9	2	14	80.8	1060		6.223108	1
10	2	11	58.6	1220		7.120371	
11	2	7	73.2	1430		7.732868	
12	3	13	77.2	1467	1292	8.215937	
13	3	15	95.7	1897	1040	8.672146	
14	1	5	88.9			9.344512	
15	2	15	53.1	1134		10.306477	
16	3	17	68.6	1431	1475	10.756005	
17	3	16	87.3	1343	1067	11.94229	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	66.4			0.603448	
1	2	7	59.2	1627		1.021048	
2	2	13	89.8	1129		1.867518	
3	1	10	69.3			2.652497	
4	2	15	83.3	1111		3.327889	
5	2	17	94.5	1365		3.910562	
6	2	11	99.4	1568		4.268854	
7	3	10	57.6	1842	1842	5.597293	
8	2	17	76.6	1294		5.836492	1
9	1	7	63			6.817298	
10	2	7	59.1	1064		7.626824	
11	2	20	56.6	1488		7.788789	
12	2	18	62.1	1551		8.93318	
13	2	12	70.4	1888		9.434952	
14	3	7	97.6	1257	1351	10.315929	
15	2	15	97.4	1154		10.805058	
16	1	8	54.1			11.755704	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	50.9	1156	1277	0.349035	
1	3	19	89.4	1409	1062	1.943364	
2	1	7	57.8			2.866897	
3	1	8	71.8			3.281565	
4	1	11	89			4.59197	
5	2	7	56.3	1116		5.831158	1
6	1	15	87.3			7.260534	
7	1	6	63.2			8.178597	
8	1	20	62.7			9.245929	
9	2	14	89.6	1268		10.643843	
10	2	6	59.9	1178		11.574885	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	78.7	1752	1663	0.778236	1
1	2	19	94.5	1487		1.677874	
2	2	7	53.2	1000		2.238081	
3	1	15	87.4			3.278328	
4	2	19	95.2	1701		4.275436	
5	3	9	52.7	1215	1949	4.537478	
6	3	19	70.8	1385	1336	5.450518	
7	2	17	87.2	1266		6.3833	
8	3	16	76.3	1956	1609	7.408464	
9	2	11	97.3	1348		8.142135	
10	2	18	96.8	1414		8.943775	
11	2	19	87	1926		9.573735	
12	3	12	98.7	1583	1708	10.951574	
13	2	15	95.1	1562		11.934682	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	59.2	1110		0.629549	1
1	1	15	66.5			1.378891	
2	2	8	53.4	1457		2.072182	
3	3	15	85.9	1568	1413	3.174129	
4	3	14	65.9	1710	1651	3.369031	
5	2	19	89	1413		4.605602	
6	2	15	63.6	1448		5.365416	
7	3	16	98.9	1493	1336	5.991917	
8	1	11	55.9			6.653434	
9	3	10	53.4	1227	1833	7.704227	
10	1	17	74.7			8.346268	
11	1	14	61.7			8.944713	
12	2	6	87.1	1345		10.047337	
13	1	9	86.7			11.057091	
14	2	16	55.6	1859		11.485848	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	61.2	1086	1845	0.581301	
1	3	12	88.2	1932	1419	0.91261	
2	3	8	81	1964	1482	1.486936	
3	1	5	58.1			2.156974	
4	2	16	90.1	1028		3.079345	
5	3	10	59.1	1880	1136	3.834306	
6	3	7	51.1	1137	1160	4.533988	
7	2	10	51.7	1594		5.270489	
8	1	7	87.2			6.193345	1
9	1	19	89.8			6.654032	
10	2	8	61.8	1561		7.594937	
11	3	18	81.1	1790	1362	7.806297	
12	2	14	55.9	1944		8.962278	
13	2	14	97.6	1170		9.288204	
14	2	18	93.9	1078		10.455219	
15	2	10	94.3	1162		10.837091	
16	3	16	61.6	1314	1256	11.781764	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	52.3	1198	1501	0.7583	
1	2	13	83.5	1920		2.151549	
2	2	18	86.2	1193		2.906749	
3	3	17	77.1	1597	1788	5.05223	
4	2	6	97.4	1740		6.254452	1
5	2	7	67.6	1124		6.698354	
6	1	6	62.3			9.261217	
7	1	15	89.8			9.42881	
8	3	11	75.7	1766	1413	11.33876	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	60.7	1013		0.753265	
1	2	9	70.7	1857		1.461675	
2	2	15	69.4	1817		1.963734	
3	2	11	91.7	1895		2.923352	
4	2	10	72.2	1520		3.78024	
5	2	9	66.2	1039		4.711274	
6	2	12	63.1	1809		5.217529	
7	1	16	89.3			5.609058	1
8	2	20	98.7	1474		6.996801	
9	2	20	50.7	1188		7.865155	
10	3	15	88.9	1845	1079	8.189311	
11	3	6	99.1	1961	1442	9.081835	
12	3	5	93.3	1884	1032	10.356494	
13	2	10	55.9	1239		10.788466	
14	1	14	74.4			11.745547	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	62.6			1.037765	
1	2	6	83.1	1201		1.921212	
2	2	14	95.4	1711		2.63963	
3	2	12	54.9	1204		4.026131	
4	2	14	90.2	1626		4.884307	
5	2	7	98.9	1326		5.698578	1
6	2	17	94.8	1449		6.60161	
7	2	12	65.8	1254		8.277313	
8	1	12	60.9			9.743024	
9	1	18	66.8			10.282803	
10	2	18	84.8	1527		11.65548	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	60.3	1011		0.00736	
1	3	14	57.4	1538	1384	1.063984	
2	1	16	87.3			1.592584	
3	2	13	69.5	1536		2.668618	
4	2	20	75.7	1129		3.246088	
5	2	13	56.4	1544		4.171488	
6	2	15	86	1110		4.905937	
7	3	17	84.1	1785	1420	5.438907	
8	3	5	64.8	1390	1801	6.255568	1
9	3	9	51.1	1151	1720	6.794665	
10	2	11	54.9	1517		7.103617	
11	3	16	50.2	1209	1191	7.969585	
12	2	16	94.9	1989		8.78783	
13	2	17	57.3	1564		9.759781	
14	1	20	73.4			10.247111	
15	1	10	74.2			10.735496	
16	2	17	53.4	1591		11.976297	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	91	1634	1924	0.040002	
1	2	8	80.2	1447		1.110336	
2	2	7	63.3	1524		1.455695	
3	2	20	73.9	1635		2.565064	
4	2	10	70.1	1991		3.00415	
5	1	8	60.1			3.940664	
6	1	16	60.8			4.039767	
7	2	19	66.2	1274		4.949962	
8	2	9	82.4	1552		5.451751	
9	2	8	82.2	1250		6.487475	1
10	2	7	79.7	1219		7.100476	
11	1	13	52.8			7.553604	
12	2	8	56.8	1228		8.184024	
13	3	8	64.5	1451	1756	8.705353	
14	2	15	92	1141		9.863853	
15	2	12	82.3	1853		10.144109	
16	2	9	79.4	1785		11.087976	
17	3	8	59.5	1056	1064	11.718737	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	51.3	1390		0.688114	
1	2	12	57.5	1718		2.026334	
2	3	10	51.5	1308	1967	2.675513	
3	2	15	66.9	1250		4.418117	
4	2	9	63.1	1513		5.829425	1
5	2	15	88.2	1848		7.763452	
6	2	7	65.6	1793		8.046602	
7	2	18	66.6	1857		9.978253	
8	2	15	55.3	1125		10.760874	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	93.3	1330	1884	0.553756	
1	1	14	59.4			1.120813	
2	3	18	68	1356	1897	1.825543	
3	3	17	93.9	1116	1756	2.01636	
4	2	13	58.9	1225		2.981884	
5	3	19	93.2	1138	1334	3.598376	
6	1	11	53.3			3.957613	
7	2	19	73.1	1599		4.493416	
8	3	9	69.7	1154	1537	5.562902	
9	2	17	93.6	1401		5.905671	1
10	2	19	74.7	1711		6.402804	
11	1	18	71.2			7.210716	
12	1	11	87.2			7.735842	
13	1	19	81.3			8.464212	
14	1	12	55			8.924339	
15	2	6	54.7	1132		9.795448	
16	2	18	79.7	1154		10.48281	
17	2	6	65.5	1024		10.789398	
18	2	7	55.7	1359		11.83074	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	62			0.746041	
1	3	13	80.3	1629	1566	1.815835	
2	2	8	77.2	1110		2.50676	
3	1	13	51.6			3.000044	
4	2	10	71.4	1134		4.311155	
5	3	16	84.2	1474	1688	5.521301	
6	2	8	69.8	1667		6.302781	1
7	2	20	75.5	1696		6.782519	
8	1	18	87.7			7.654586	
9	3	16	67.7	1750	1411	8.748334	
10	1	12	55.1			9.820083	
11	3	13	53.9	1445	1347	10.64261	
12	3	10	65.5	1097	1821	11.570419	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	55.2	1908		0.083696	
1	2	11	77.2	1043		1.066309	
2	1	13	68.5			1.836485	
3	1	14	66.6			2.114258	
4	3	14	62.4	1657	1925	2.594431	
5	1	9	72.9			3.704662	
6	2	19	87.2	1612		4.211777	1
7	2	9	78.6	1041		4.925096	
8	1	17	87.4			5.063014	
9	2	19	60.3	1452		6.146056	
10	1	16	82.8			6.926396	
11	2	9	71.2	1946		7.122008	
12	3	8	78.1	1543	1005	8.107422	
13	1	14	98.9			8.38164	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	93.4	1694		0.020414	
1	2	17	81.3	1965		0.923952	
2	1	15	52.9			1.267595	
3	3	12	93.5	1163	1544	2.142593	
4	1	18	95.6			3.110032	
5	2	12	52	1623		3.598199	
6	3	18	70.7	1067	1192	4.38633	
7	2	13	59.7	1620		4.667583	
8	2	18	89.1	1781		5.18364	
9	3	13	59	1250	1232	6.008204	1
10	2	14	85.3	1240		6.622299	
11	1	8	70.7			7.522654	
12	2	14	98.2	1166		7.964145	
13	3	17	90.5	1282	1241	8.227773	
14	1	16	84.6			9.372216	
15	2	17	95.7	1154		9.893079	
16	1	19	77.4			10.465197	
17	1	20	74			11.080925	
18	2	16	60.9	1195		11.650185	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	82.3	1511	1428	0.489584	1
1	2	11	67.1	1926		1.17822	
2	2	17	85.7	1640		1.542075	
3	3	11	56.3	1262	1965	2.332152	
4	2	18	58.9	1166		3.012487	
5	1	17	78.1			3.948797	
6	1	12	67.9			4.004818	
7	3	13	96	1108	1483	4.889794	
8	2	13	97.4	1859		5.771982	
9	2	13	85.2	1280		6.028868	
10	1	13	91			6.675231	
11	3	19	64.8	1967	1978	7.689134	
12	1	12	76.4			8.449915	
13	2	6	80.4	1264		9.013623	
14	2	13	63.2	1562		9.787063	
15	2	19	55	1181		10.192202	
16	2	10	64.1	1279		10.945759	
17	1	14	69.4			11.551668	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	91.2	1803	1488	0.378284	1
1	3	16	70.5	1789	1632	1.845065	
2	3	13	85	1571	1923	4.177125	
3	2	14	59.9	1753		5.993583	
4	1	19	88			7.389036	
5	1	8	60.9			8.337905	
6	1	16	95.7			10.241204	
7	2	12	54.8	1645		10.633808	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	80.2	1885		0.555456	
1	2	9	88.4	1751		2.630737	
2	1	19	55.1			2.911461	
3	3	8	58.2	1479	1056	4.734219	
4	3	13	62.2	1318	1733	5.965592	1
5	2	14	99	1265		7.433708	
6	2	9	51.5	1504		8.155215	
7	2	15	71.7	1875		9.571396	
8	1	15	82.1			11.863208	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	54.1			0.516589	
1	3	9	93.4	1057	1394	0.836648	
2	2	10	51.1	1340		1.731694	
3	1	16	89.8			1.987552	
4	2	8	55.5	1533		2.598273	
5	3	12	57.6	1216	1970	3.453821	
6	2	16	56.3	1749		3.848046	
7	1	17	60.5			4.576272	
8	1	5	96.6			5.487869	
9	3	12	61.7	1910	1837	6.271399	1
10	2	9	56.3	1756		6.78927	
11	2	7	53.6	1278		7.219476	
12	2	9	77.5	1176		8.051278	
13	1	14	66.5			8.710248	
14	1	8	93.4			9.350578	
15	2	14	91.7	1085		9.527185	
16	3	17	79.4	1520	1338	10.636918	
17	2	15	86.2	1229		11.320184	
18	2	20	62.1	1680		11.385685	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	67.3	1843		0.431079	
1	2	11	64.2	1548		0.805924	
2	2	7	54.4	1839		1.845285	
3	3	12	62.9	1440	1232	2.862379	
4	2	17	77.6	1445		3.306093	
5	2	10	74.8	1440		4.454547	
6	1	9	97.6			5.225448	
7	2	19	94.1	1061		5.287865	
8	1	17	92.6			6.357922	1
9	1	14	96.6			6.980108	
10	2	18	59.2	1914		7.628531	
11	1	20	83.9			8.597385	
12	2	15	79.5	1676		9.637219	
13	2	17	64.6	1851		10.240921	
14	1	19	67.7			11.110452	
15	2	11	89.9	1141		11.645754	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	63.6	1777		0.981638	
1	2	16	72.2	1637		1.434396	
2	2	7	93.7	1655		2.057345	
3	3	13	70.5	1289	1817	3.425639	
4	2	17	98.5	1164		4.605305	
5	1	14	86.1			5.846411	
6	3	14	62.6	1379	1738	6.272961	1
7	2	8	62.8	1264		7.88489	
8	1	12	58.3			8.875922	
9	1	13	55.8			9.52929	
10	2	14	99.9	1728		10.943593	
11	3	17	94	1717	1671	11.835045	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	66.4	1730	1167	0.570011	
1	2	18	54.4	1223		1.231737	
2	1	18	94.6			1.373529	
3	1	10	87.8			2.371448	
4	1	12	89.2			2.833947	
5	2	13	78	1555		3.53214	
6	2	5	63.5	1377		4.064094	
7	3	12	58.1	1255	1602	5.194188	
8	2	19	83.9	1353		5.821618	
9	1	18	82.2			6.501578	1
10	2	14	91.9	1436		6.961374	
11	2	5	51.3	1765		7.569	
12	2	8	53.8	1413		8.297901	
13	3	19	68.5	1296	1085	9.315536	
14	2	11	54.2	1045		9.720638	
15	2	7	77.4	2000		10.176691	
16	1	10	64.3			10.937138	
17	1	6	56			11.578491	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	51	1928		0.54245	
1	1	19	78.7			1.647094	
2	2	8	92.8	1498		2.073707	
3	3	8	96	1300	1626	2.707416	
4	2	19	62.7	1792		4.040447	
5	1	8	60.4			4.335743	
6	2	10	68.5	1113		5.810871	
7	2	7	96.9	1862		6.663294	1
8	1	7	77.3			7.559534	
9	2	17	78.3	1673		8.511642	
10	2	6	57.9	1799		8.830179	
11	3	7	74.1	1361	1808	9.975456	
12	2	11	93.9	1768		10.406364	
13	2	9	56.9	1059		11.726008	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	50.7			0.576893	1
1	2	11	89.8	1693		1.404021	
2	2	19	78.3	1160		1.969662	
3	2	15	97	1993		3.22638	
4	2	19	86.9	1124		3.510771	
5	1	12	63.2			4.374517	
6	2	13	68.4	1062		5.719905	
7	2	15	87.5	1799		6.510352	
8	3	10	61.2	1019	1392	6.980512	
9	2	16	66.7	1766		7.78806	
10	2	14	67.8	1117		8.889299	
11	2	7	84.8	1101		10.258734	
12	3	13	81.9	1326	1344	10.38818	
13	2	18	88.7	1517		11.511708	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	88.8	1269		1.00512	1
1	3	9	75.4	1033	1378	1.682473	
2	2	8	98.1	1078		2.73521	
3	3	11	75.5	1772	1797	4.323766	
4	1	14	71.7			5.692349	
5	3	12	93	1144	1314	6.708286	
6	2	12	60.3	1894		9.267602	
7	1	17	77.6			10.577497	
8	2	10	97.8	1362		11.015392	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	53.1	1686		0.263597	1
1	2	13	73.2	1892		0.984641	
2	1	13	87.2			1.912917	
3	2	16	76	1993		3.09809	
4	2	6	68.6	1323		3.866475	
5	2	5	66.1	1617		5.004111	
6	1	19	81.6			5.940367	
7	2	9	50.3	1923		6.671037	
8	1	19	98.6			7.08511	
9	1	13	59.4			7.997438	
10	2	9	57.8	1849		9.356583	
11	2	10	75.6	1666		9.544343	
12	1	16	65.8			11.049147	
13	2	17	82.9	1276		11.923311	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	55.3			0.857928	1
1	2	10	89.2	1701		1.849695	
2	3	14	92.2	1750	1106	3.087556	
3	3	8	59.5	1150	1408	4.651997	
4	3	6	57.6	1346	1629	5.604873	
5	1	8	69.8			6.144506	
6	2	10	52.8	1762		8.120774	
7	2	13	88.6	1172		8.763395	
8	1	6	67			10.736894	
9	3	15	89.9	1978	1120	11.859705	

Table-7 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	5383.0, 5496.0, 5685.0, 5500.0, 5545.0, 5413.0, 5501.0, 5464.0, 5590.0, 5611.0, 5696.0, 5257.0, 5307.0, 5329.0, 5557.0, 5433.0, 5620.0, 5362.0, 5665.0, 5352.0, 5508.0, 5484.0, 5288.0, 5561.0, 5653.0, 5455.0, 5466.0, 5333.0, 5387.0, 5267.0, 5440.0, 5676.0, 5519.0, 5463.0, 5542.0, 5554.0, 5520.0, 5335.0, 5651.0, 5499.0, 5698.0, 5285.0, 5313.0, 5693.0, 5543.0, 5565.0, 5330.0, 5604.0, 5346.0, 5591.0, 5534.0, 5268.0, 5514.0, 5454.0, 5425.0, 5518.0, 5586.0, 5621.0, 5714.0, 5631.0, 5618.0, 5578.0, 5592.0, 5400.0, 5688.0, 5702.0, 5613.0, 5712.0, 5577.0, 5648.0, 5572.0, 5287.0, 5477.0, 5298.0, 5325.0, 5347.0, 5384.0, 5420.0, 5664.0, 5715.0, 5641.0, 5434.0, 5694.0, 5596.0, 5623.0, 5509.0, 5524.0, 5412.0, 5606.0, 5277.0, 5684.0, 5305.0, 5274.0, 5566.0, 5525.0, 5473.0, 5644.0, 5419.0, 5555.0, 5547.0 (number of hits: 7)
2	5280	9	1	333	1	5397.0, 5643.0, 5694.0, 5356.0, 5588.0, 5661.0, 5384.0, 5692.0, 5715.0, 5250.0, 5371.0, 5655.0, 5368.0, 5648.0, 5438.0, 5695.0, 5696.0, 5564.0, 5493.0, 5704.0, 5718.0, 5691.0, 5536.0, 5591.0, 5432.0, 5507.0, 5570.0, 5321.0, 5362.0, 5683.0, 5328.0, 5401.0, 5369.0, 5251.0, 5299.0, 5506.0, 5659.0, 5297.0, 5511.0, 5547.0, 5335.0, 5629.0, 5372.0, 5301.0, 5270.0, 5427.0, 5632.0, 5618.0, 5637.0, 5398.0, 5701.0, 5449.0, 5601.0, 5404.0, 5616.0, 5617.0, 5334.0, 5489.0, 5498.0, 5503.0, 5309.0, 5606.0, 5552.0, 5370.0, 5521.0, 5430.0, 5670.0, 5412.0, 5295.0, 5703.0, 5306.0, 5566.0, 5501.0, 5671.0, 5456.0, 5353.0, 5424.0, 5709.0, 5496.0, 5556.0, 5543.0, 5322.0, 5303.0, 5266.0, 5712.0, 5350.0, 5538.0, 5605.0, 5582.0, 5622.0, 5279.0, 5621.0, 5657.0, 5680.0, 5325.0, 5457.0, 5615.0, 5311.0, 5672.0, 5572.0 (number of hits: 8)
3	5280	9	1	333	1	5592.0, 5624.0, 5655.0, 5266.0, 5362.0, 5640.0, 5316.0, 5641.0, 5384.0, 5366.0, 5357.0, 5516.0, 5274.0, 5325.0, 5293.0, 5667.0, 5615.0, 5649.0, 5499.0, 5255.0, 5612.0, 5285.0, 5461.0, 5367.0, 5512.0, 5299.0, 5326.0, 5284.0, 5411.0, 5356.0, 5383.0, 5594.0, 5369.0, 5668.0, 5720.0, 5673.0, 5397.0, 5647.0, 5515.0, 5446.0,

						5603.0, 5455.0, 5452.0, 5645.0, 5658.0, 5674.0, 5648.0, 5591.0, 5559.0, 5491.0, 5717.0, 5473.0, 5376.0, 5416.0, 5593.0, 5409.0, 5271.0, 5525.0, 5251.0, 5506.0, 5657.0, 5283.0, 5493.0, 5489.0, 5582.0, 5340.0, 5267.0, 5544.0, 5400.0, 5504.0, 5482.0, 5344.0, 5308.0, 5444.0, 5691.0, 5428.0, 5545.0, 5429.0, 5261.0, 5604.0, 5689.0, 5478.0, 5492.0, 5424.0, 5375.0, 5481.0, 5632.0, 5723.0, 5636.0, 5722.0, 5329.0, 5577.0, 5278.0, 5521.0, 5554.0, 5324.0, 5548.0, 5301.0, 5290.0, 5686.0 (number of hits: 6)
4	5280	9	1	333	1	5434.0, 5579.0, 5666.0, 5323.0, 5279.0, 5359.0, 5309.0, 5466.0, 5630.0, 5514.0, 5360.0, 5678.0, 5255.0, 5664.0, 5627.0, 5347.0, 5405.0, 5502.0, 5523.0, 5652.0, 5702.0, 5686.0, 5687.0, 5598.0, 5711.0, 5612.0, 5673.0, 5570.0, 5358.0, 5478.0, 5381.0, 5589.0, 5662.0, 5644.0, 5490.0, 5697.0, 5691.0, 5692.0, 5507.0, 5340.0, 5605.0, 5470.0, 5558.0, 5601.0, 5583.0, 5361.0, 5269.0, 5526.0, 5260.0, 5411.0, 5640.0, 5699.0, 5590.0, 5322.0, 5304.0, 5461.0, 5447.0, 5609.0, 5464.0, 5283.0, 5401.0, 5376.0, 5307.0, 5354.0, 5278.0, 5406.0, 5704.0, 5714.0, 5643.0, 5427.0, 5639.0, 5628.0, 5412.0, 5600.0, 5670.0, 5263.0, 5635.0, 5296.0, 5683.0, 5387.0, 5468.0, 5257.0, 5390.0, 5516.0, 5369.0, 5426.0, 5378.0, 5665.0, 5638.0, 5499.0, 5519.0, 5338.0, 5476.0, 5463.0, 5539.0, 5356.0, 5305.0, 5506.0, 5658.0, 5580.0 (number of hits: 5)
5	5280	9	1	333	1	5466.0, 5439.0, 5686.0, 5317.0, 5368.0, 5542.0, 5261.0, 5627.0, 5705.0, 5275.0, 5409.0, 5301.0, 5268.0, 5442.0, 5393.0, 5285.0, 5468.0, 5394.0, 5535.0, 5546.0, 5551.0, 5603.0, 5482.0, 5316.0, 5640.0, 5714.0, 5453.0, 5392.0, 5375.0, 5684.0, 5547.0, 5672.0, 5619.0, 5641.0, 5277.0, 5670.0, 5373.0, 5623.0, 5687.0, 5712.0, 5428.0, 5585.0, 5565.0, 5598.0, 5327.0, 5527.0, 5303.0, 5424.0, 5723.0, 5540.0, 5325.0, 5337.0, 5448.0, 5663.0, 5631.0, 5313.0, 5608.0, 5377.0, 5421.0, 5339.0, 5364.0, 5390.0, 5378.0, 5710.0, 5286.0, 5567.0, 5660.0, 5675.0, 5624.0, 5408.0, 5533.0, 5681.0, 5572.0, 5708.0, 5447.0, 5367.0, 5432.0, 5699.0, 5452.0, 5352.0, 5338.0, 5273.0, 5656.0, 5267.0, 5532.0, 5384.0, 5383.0, 5591.0, 5605.0, 5517.0, 5443.0, 5615.0, 5387.0, 5450.0, 5355.0, 5568.0, 5484.0, 5485.0, 5458.0, 5263.0 (number of hits: 5)
6	5280	9	1	333	1	5438.0, 5669.0, 5650.0, 5578.0, 5361.0,

						5626.0, 5263.0, 5501.0, 5511.0, 5309.0, 5458.0, 5685.0, 5522.0, 5613.0, 5465.0, 5672.0, 5360.0, 5559.0, 5572.0, 5659.0, 5558.0, 5638.0, 5668.0, 5319.0, 5447.0, 5436.0, 5268.0, 5340.0, 5357.0, 5541.0, 5490.0, 5452.0, 5478.0, 5402.0, 5537.0, 5314.0, 5499.0, 5333.0, 5723.0, 5326.0, 5364.0, 5624.0, 5632.0, 5687.0, 5416.0, 5387.0, 5656.0, 5346.0, 5623.0, 5688.0, 5654.0, 5398.0, 5516.0, 5451.0, 5393.0, 5676.0, 5627.0, 5345.0, 5429.0, 5664.0, 5446.0, 5431.0, 5350.0, 5521.0, 5514.0, 5485.0, 5504.0, 5550.0, 5587.0, 5271.0, 5294.0, 5697.0, 5581.0, 5693.0, 5637.0, 5260.0, 5510.0, 5665.0, 5570.0, 5612.0, 5576.0, 5311.0, 5634.0, 5470.0, 5583.0, 5297.0, 5369.0, 5415.0, 5454.0, 5362.0, 5643.0, 5448.0, 5677.0, 5325.0, 5396.0, 5477.0, 5443.0, 5674.0, 5419.0, 5303.0 (number of hits: 6)
7	5280	9	1	333	1	5444.0, 5460.0, 5314.0, 5335.0, 5707.0, 5446.0, 5568.0, 5269.0, 5375.0, 5409.0, 5366.0, 5341.0, 5329.0, 5412.0, 5555.0, 5274.0, 5283.0, 5499.0, 5457.0, 5464.0, 5708.0, 5681.0, 5358.0, 5518.0, 5295.0, 5617.0, 5370.0, 5621.0, 5342.0, 5546.0, 5564.0, 5251.0, 5547.0, 5262.0, 5714.0, 5258.0, 5403.0, 5721.0, 5414.0, 5281.0, 5521.0, 5592.0, 5627.0, 5713.0, 5517.0, 5353.0, 5604.0, 5445.0, 5574.0, 5399.0, 5386.0, 5484.0, 5680.0, 5505.0, 5260.0, 5697.0, 5320.0, 5389.0, 5473.0, 5277.0, 5675.0, 5510.0, 5287.0, 5558.0, 5299.0, 5639.0, 5408.0, 5252.0, 5528.0, 5278.0, 5308.0, 5669.0, 5456.0, 5437.0, 5611.0, 5661.0, 5387.0, 5459.0, 5608.0, 5382.0, 5450.0, 5711.0, 5706.0, 5307.0, 5609.0, 5273.0, 5649.0, 5544.0, 5289.0, 5398.0, 5458.0, 5410.0, 5479.0, 5635.0, 5336.0, 5520.0, 5583.0, 5443.0, 5514.0, 5530.0 (number of hits: 7)
8	5280	9	1	333	1	5287.0, 5506.0, 5576.0, 5392.0, 5535.0, 5377.0, 5715.0, 5353.0, 5605.0, 5653.0, 5484.0, 5658.0, 5475.0, 5423.0, 5588.0, 5687.0, 5631.0, 5396.0, 5268.0, 5272.0, 5306.0, 5565.0, 5390.0, 5640.0, 5469.0, 5313.0, 5674.0, 5293.0, 5655.0, 5627.0, 5587.0, 5466.0, 5495.0, 5549.0, 5508.0, 5486.0, 5561.0, 5568.0, 5502.0, 5706.0, 5723.0, 5539.0, 5517.0, 5571.0, 5584.0, 5632.0, 5492.0, 5520.0, 5341.0, 5534.0, 5418.0, 5662.0, 5376.0, 5673.0, 5556.0, 5591.0, 5721.0, 5403.0, 5281.0, 5644.0, 5271.0, 5693.0, 5459.0, 5279.0, 5389.0, 5420.0, 5601.0, 5277.0, 5461.0, 5446.0, 5507.0, 5339.0, 5380.0, 5291.0, 5481.0,

						5361.0, 5540.0, 5712.0, 5523.0, 5431.0, 5398.0, 5435.0, 5397.0, 5382.0, 5551.0, 5592.0, 5453.0, 5387.0, 5310.0, 5547.0, 5451.0, 5494.0, 5544.0, 5477.0, 5426.0, 5567.0, 5619.0, 5473.0, 5609.0, 5524.0 (number of hits: 6)
9	5280	9	1	333	1	5604.0, 5666.0, 5367.0, 5254.0, 5544.0, 5271.0, 5566.0, 5711.0, 5478.0, 5708.0, 5371.0, 5603.0, 5555.0, 5510.0, 5449.0, 5717.0, 5304.0, 5703.0, 5718.0, 5376.0, 5719.0, 5317.0, 5596.0, 5507.0, 5627.0, 5405.0, 5615.0, 5575.0, 5318.0, 5537.0, 5442.0, 5372.0, 5361.0, 5301.0, 5396.0, 5428.0, 5494.0, 5611.0, 5327.0, 5640.0, 5383.0, 5513.0, 5551.0, 5642.0, 5360.0, 5607.0, 5311.0, 5289.0, 5374.0, 5572.0, 5721.0, 5646.0, 5520.0, 5590.0, 5338.0, 5492.0, 5385.0, 5332.0, 5597.0, 5669.0, 5685.0, 5502.0, 5345.0, 5562.0, 5578.0, 5663.0, 5540.0, 5319.0, 5525.0, 5673.0, 5403.0, 5395.0, 5305.0, 5452.0, 5643.0, 5481.0, 5524.0, 5569.0, 5465.0, 5471.0, 5450.0, 5671.0, 5415.0, 5358.0, 5433.0, 5485.0, 5617.0, 5272.0, 5489.0, 5546.0, 5688.0, 5657.0, 5375.0, 5498.0, 5260.0, 5635.0, 5418.0, 5294.0, 5506.0, 5601.0 (number of hits: 6)
10	5280	9	1	333	1	5626.0, 5296.0, 5557.0, 5492.0, 5425.0, 5278.0, 5645.0, 5331.0, 5335.0, 5480.0, 5678.0, 5489.0, 5438.0, 5366.0, 5683.0, 5353.0, 5503.0, 5475.0, 5651.0, 5688.0, 5704.0, 5268.0, 5347.0, 5407.0, 5636.0, 5277.0, 5603.0, 5280.0, 5668.0, 5369.0, 5642.0, 5441.0, 5406.0, 5307.0, 5389.0, 5375.0, 5519.0, 5621.0, 5402.0, 5582.0, 5330.0, 5447.0, 5549.0, 5702.0, 5637.0, 5713.0, 5537.0, 5454.0, 5677.0, 5297.0, 5292.0, 5399.0, 5659.0, 5378.0, 5315.0, 5575.0, 5588.0, 5417.0, 5424.0, 5456.0, 5721.0, 5709.0, 5448.0, 5405.0, 5394.0, 5686.0, 5554.0, 5576.0, 5547.0, 5303.0, 5429.0, 5569.0, 5313.0, 5282.0, 5436.0, 5320.0, 5484.0, 5325.0, 5665.0, 5629.0, 5535.0, 5305.0, 5572.0, 5511.0, 5361.0, 5463.0, 5308.0, 5550.0, 5521.0, 5357.0, 5288.0, 5310.0, 5703.0, 5255.0, 5627.0, 5515.0, 5426.0, 5648.0, 5384.0, 5579.0 (number of hits: 10)
11	5280	9	1	333	1	5406.0, 5636.0, 5359.0, 5389.0, 5586.0, 5311.0, 5585.0, 5372.0, 5395.0, 5360.0, 5668.0, 5485.0, 5298.0, 5462.0, 5398.0, 5644.0, 5484.0, 5342.0, 5583.0, 5661.0, 5560.0, 5674.0, 5476.0, 5715.0, 5594.0, 5440.0, 5278.0, 5552.0, 5258.0, 5336.0, 5538.0, 5268.0, 5327.0, 5603.0, 5710.0, 5592.0, 5686.0, 5396.0, 5584.0, 5662.0,

						5283.0, 5340.0, 5291.0, 5259.0, 5490.0, 5647.0, 5343.0, 5353.0, 5539.0, 5569.0, 5331.0, 5602.0, 5377.0, 5704.0, 5593.0, 5447.0, 5607.0, 5458.0, 5301.0, 5425.0, 5619.0, 5562.0, 5575.0, 5478.0, 5664.0, 5718.0, 5514.0, 5287.0, 5591.0, 5555.0, 5638.0, 5454.0, 5696.0, 5711.0, 5286.0, 5654.0, 5479.0, 5441.0, 5506.0, 5352.0, 5500.0, 5599.0, 5540.0, 5528.0, 5480.0, 5507.0, 5665.0, 5639.0, 5505.0, 5339.0, 5349.0, 5482.0, 5428.0, 5255.0, 5498.0, 5254.0, 5652.0, 5348.0, 5271.0, 5671.0 (number of hits: 6)
12	5280	9	1	333	1	5555.0, 5603.0, 5528.0, 5625.0, 5425.0, 5695.0, 5501.0, 5517.0, 5359.0, 5329.0, 5652.0, 5628.0, 5405.0, 5451.0, 5470.0, 5477.0, 5571.0, 5381.0, 5580.0, 5709.0, 5288.0, 5400.0, 5649.0, 5474.0, 5307.0, 5601.0, 5532.0, 5386.0, 5691.0, 5699.0, 5445.0, 5453.0, 5362.0, 5468.0, 5467.0, 5492.0, 5342.0, 5296.0, 5500.0, 5274.0, 5326.0, 5508.0, 5459.0, 5481.0, 5621.0, 5316.0, 5568.0, 5573.0, 5520.0, 5522.0, 5604.0, 5339.0, 5626.0, 5377.0, 5704.0, 5399.0, 5570.0, 5658.0, 5365.0, 5606.0, 5328.0, 5551.0, 5707.0, 5460.0, 5557.0, 5511.0, 5607.0, 5361.0, 5261.0, 5705.0, 5354.0, 5299.0, 5538.0, 5475.0, 5256.0, 5633.0, 5250.0, 5692.0, 5351.0, 5614.0, 5441.0, 5503.0, 5498.0, 5617.0, 5587.0, 5368.0, 5708.0, 5590.0, 5331.0, 5466.0, 5629.0, 5280.0, 5443.0, 5265.0, 5421.0, 5384.0, 5515.0, 5596.0, 5683.0, 5456.0 (number of hits: 4)
13	5280	9	1	333	1	5541.0, 5690.0, 5642.0, 5419.0, 5656.0, 5367.0, 5371.0, 5472.0, 5321.0, 5691.0, 5551.0, 5332.0, 5394.0, 5471.0, 5423.0, 5628.0, 5316.0, 5257.0, 5303.0, 5461.0, 5576.0, 5266.0, 5650.0, 5519.0, 5328.0, 5657.0, 5504.0, 5702.0, 5538.0, 5401.0, 5375.0, 5678.0, 5411.0, 5618.0, 5270.0, 5331.0, 5336.0, 5686.0, 5434.0, 5256.0, 5344.0, 5264.0, 5721.0, 5306.0, 5640.0, 5432.0, 5516.0, 5521.0, 5350.0, 5508.0, 5395.0, 5606.0, 5370.0, 5556.0, 5364.0, 5496.0, 5457.0, 5720.0, 5330.0, 5302.0, 5703.0, 5309.0, 5507.0, 5613.0, 5704.0, 5412.0, 5555.0, 5624.0, 5363.0, 5498.0, 5369.0, 5584.0, 5512.0, 5670.0, 5616.0, 5667.0, 5569.0, 5513.0, 5459.0, 5322.0, 5294.0, 5708.0, 5520.0, 5631.0, 5710.0, 5511.0, 5484.0, 5623.0, 5467.0, 5669.0, 5272.0, 5579.0, 5366.0, 5649.0, 5298.0, 5449.0, 5604.0, 5713.0, 5290.0, 5393.0 (number of hits: 7)
14	5280	9	1	333	1	5469.0, 5686.0, 5320.0, 5695.0, 5709.0,

						5704.0, 5680.0, 5545.0, 5500.0, 5445.0, 5625.0, 5436.0, 5717.0, 5394.0, 5655.0, 5661.0, 5373.0, 5256.0, 5569.0, 5646.0, 5673.0, 5351.0, 5337.0, 5377.0, 5255.0, 5409.0, 5533.0, 5628.0, 5623.0, 5386.0, 5520.0, 5326.0, 5711.0, 5357.0, 5723.0, 5521.0, 5426.0, 5306.0, 5279.0, 5437.0, 5519.0, 5339.0, 5549.0, 5366.0, 5407.0, 5380.0, 5631.0, 5390.0, 5286.0, 5371.0, 5387.0, 5485.0, 5708.0, 5283.0, 5300.0, 5423.0, 5473.0, 5637.0, 5626.0, 5634.0, 5303.0, 5578.0, 5587.0, 5354.0, 5604.0, 5694.0, 5614.0, 5447.0, 5552.0, 5555.0, 5365.0, 5678.0, 5576.0, 5254.0, 5460.0, 5701.0, 5266.0, 5507.0, 5593.0, 5682.0, 5432.0, 5369.0, 5325.0, 5635.0, 5411.0, 5602.0, 5294.0, 5289.0, 5276.0, 5292.0, 5721.0, 5280.0, 5492.0, 5504.0, 5720.0, 5400.0, 5613.0, 5524.0, 5466.0, 5553.0 (number of hits: 7)
15	5280	9	1	333	1	5517.0, 5698.0, 5487.0, 5293.0, 5332.0, 5279.0, 5484.0, 5419.0, 5416.0, 5575.0, 5298.0, 5540.0, 5552.0, 5693.0, 5299.0, 5420.0, 5444.0, 5265.0, 5558.0, 5654.0, 5584.0, 5680.0, 5380.0, 5671.0, 5282.0, 5399.0, 5477.0, 5534.0, 5579.0, 5631.0, 5658.0, 5491.0, 5559.0, 5548.0, 5722.0, 5612.0, 5350.0, 5488.0, 5354.0, 5269.0, 5377.0, 5691.0, 5250.0, 5273.0, 5407.0, 5466.0, 5373.0, 5590.0, 5553.0, 5364.0, 5724.0, 5536.0, 5622.0, 5323.0, 5563.0, 5388.0, 5286.0, 5352.0, 5485.0, 5339.0, 5358.0, 5382.0, 5393.0, 5375.0, 5325.0, 5413.0, 5439.0, 5446.0, 5572.0, 5307.0, 5429.0, 5392.0, 5605.0, 5495.0, 5562.0, 5648.0, 5588.0, 5296.0, 5565.0, 5570.0, 5451.0, 5459.0, 5311.0, 5400.0, 5697.0, 5343.0, 5480.0, 5493.0, 5626.0, 5285.0, 5390.0, 5383.0, 5470.0, 5422.0, 5514.0, 5647.0, 5406.0, 5497.0, 5601.0, 5292.0 (number of hits: 9)
16	5280	9	1	333	1	5394.0, 5700.0, 5650.0, 5276.0, 5698.0, 5453.0, 5606.0, 5707.0, 5518.0, 5558.0, 5511.0, 5695.0, 5438.0, 5417.0, 5610.0, 5514.0, 5445.0, 5338.0, 5619.0, 5360.0, 5685.0, 5584.0, 5339.0, 5668.0, 5708.0, 5342.0, 5529.0, 5507.0, 5614.0, 5462.0, 5705.0, 5347.0, 5579.0, 5621.0, 5471.0, 5492.0, 5503.0, 5541.0, 5396.0, 5556.0, 5566.0, 5305.0, 5264.0, 5569.0, 5717.0, 5595.0, 5500.0, 5318.0, 5431.0, 5719.0, 5365.0, 5288.0, 5372.0, 5706.0, 5516.0, 5613.0, 5536.0, 5366.0, 5348.0, 5563.0, 5607.0, 5424.0, 5666.0, 5428.0, 5311.0, 5411.0, 5598.0, 5576.0, 5616.0, 5480.0, 5367.0, 5593.0, 5421.0, 5440.0, 5270.0,

						5441.0, 5661.0, 5304.0, 5395.0, 5601.0, 5267.0, 5362.0, 5526.0, 5528.0, 5298.0, 5510.0, 5375.0, 5578.0, 5364.0, 5272.0, 5713.0, 5639.0, 5467.0, 5299.0, 5407.0, 5262.0, 5463.0, 5669.0, 5370.0, 5602.0 (number of hits: 6)
17	5280	9	1	333	1	5718.0, 5257.0, 5708.0, 5414.0, 5323.0, 5362.0, 5435.0, 5550.0, 5621.0, 5358.0, 5398.0, 5480.0, 5258.0, 5596.0, 5543.0, 5380.0, 5419.0, 5381.0, 5413.0, 5338.0, 5395.0, 5458.0, 5412.0, 5490.0, 5686.0, 5685.0, 5256.0, 5714.0, 5264.0, 5373.0, 5327.0, 5357.0, 5439.0, 5321.0, 5524.0, 5564.0, 5705.0, 5723.0, 5545.0, 5617.0, 5544.0, 5384.0, 5421.0, 5333.0, 5498.0, 5316.0, 5317.0, 5451.0, 5702.0, 5354.0, 5430.0, 5575.0, 5487.0, 5260.0, 5324.0, 5588.0, 5649.0, 5577.0, 5267.0, 5595.0, 5349.0, 5350.0, 5347.0, 5642.0, 5284.0, 5525.0, 5459.0, 5445.0, 5336.0, 5613.0, 5308.0, 5626.0, 5382.0, 5303.0, 5309.0, 5372.0, 5390.0, 5483.0, 5511.0, 5606.0, 5339.0, 5252.0, 5279.0, 5420.0, 5307.0, 5704.0, 5403.0, 5522.0, 5460.0, 5710.0, 5587.0, 5456.0, 5546.0, 5253.0, 5305.0, 5643.0, 5611.0, 5418.0, 5475.0, 5302.0 (number of hits: 6)
18	5280	9	1	333	1	5505.0, 5284.0, 5424.0, 5584.0, 5401.0, 5365.0, 5378.0, 5366.0, 5644.0, 5600.0, 5708.0, 5452.0, 5334.0, 5532.0, 5581.0, 5467.0, 5682.0, 5266.0, 5666.0, 5260.0, 5593.0, 5475.0, 5400.0, 5486.0, 5574.0, 5652.0, 5537.0, 5716.0, 5587.0, 5602.0, 5388.0, 5440.0, 5386.0, 5641.0, 5690.0, 5423.0, 5476.0, 5340.0, 5254.0, 5478.0, 5474.0, 5531.0, 5393.0, 5417.0, 5430.0, 5314.0, 5420.0, 5413.0, 5723.0, 5611.0, 5709.0, 5631.0, 5669.0, 5632.0, 5369.0, 5582.0, 5273.0, 5627.0, 5517.0, 5309.0, 5590.0, 5529.0, 5410.0, 5628.0, 5257.0, 5654.0, 5697.0, 5589.0, 5367.0, 5555.0, 5660.0, 5304.0, 5381.0, 5575.0, 5694.0, 5562.0, 5461.0, 5607.0, 5433.0, 5394.0, 5442.0, 5261.0, 5624.0, 5543.0, 5579.0, 5596.0, 5479.0, 5415.0, 5578.0, 5468.0, 5295.0, 5372.0, 5406.0, 5448.0, 5595.0, 5508.0, 5620.0, 5489.0, 5667.0, 5588.0 (number of hits: 4)
19	5280	9	1	333	1	5389.0, 5339.0, 5626.0, 5582.0, 5563.0, 5600.0, 5369.0, 5450.0, 5607.0, 5689.0, 5661.0, 5615.0, 5472.0, 5539.0, 5529.0, 5480.0, 5572.0, 5443.0, 5387.0, 5484.0, 5375.0, 5416.0, 5466.0, 5518.0, 5398.0, 5628.0, 5584.0, 5428.0, 5331.0, 5362.0, 5654.0, 5463.0, 5465.0, 5578.0, 5624.0, 5621.0, 5469.0, 5445.0, 5379.0, 5660.0,

						5422.0, 5494.0, 5498.0, 5556.0, 5474.0, 5663.0, 5483.0, 5618.0, 5412.0, 5335.0, 5441.0, 5546.0, 5365.0, 5478.0, 5396.0, 5648.0, 5382.0, 5330.0, 5649.0, 5344.0, 5723.0, 5263.0, 5393.0, 5605.0, 5712.0, 5292.0, 5411.0, 5547.0, 5433.0, 5526.0, 5461.0, 5449.0, 5434.0, 5360.0, 5523.0, 5709.0, 5350.0, 5630.0, 5534.0, 5528.0, 5705.0, 5625.0, 5566.0, 5279.0, 5421.0, 5276.0, 5293.0, 5610.0, 5552.0, 5606.0, 5391.0, 5260.0, 5322.0, 5587.0, 5380.0, 5305.0, 5696.0, 5585.0, 5409.0, 5652.0 (number of hits: 3)
20	5280	9	1	333	1	5690.0, 5613.0, 5340.0, 5468.0, 5651.0, 5575.0, 5266.0, 5635.0, 5255.0, 5272.0, 5381.0, 5368.0, 5578.0, 5345.0, 5339.0, 5350.0, 5670.0, 5262.0, 5267.0, 5516.0, 5667.0, 5693.0, 5312.0, 5502.0, 5552.0, 5382.0, 5483.0, 5331.0, 5485.0, 5297.0, 5498.0, 5310.0, 5301.0, 5688.0, 5579.0, 5401.0, 5358.0, 5337.0, 5380.0, 5539.0, 5697.0, 5472.0, 5416.0, 5618.0, 5379.0, 5512.0, 5619.0, 5691.0, 5254.0, 5684.0, 5657.0, 5343.0, 5420.0, 5653.0, 5605.0, 5659.0, 5514.0, 5558.0, 5367.0, 5559.0, 5398.0, 5394.0, 5560.0, 5277.0, 5438.0, 5362.0, 5668.0, 5457.0, 5537.0, 5634.0, 5540.0, 5354.0, 5260.0, 5645.0, 5703.0, 5304.0, 5658.0, 5475.0, 5621.0, 5714.0, 5490.0, 5433.0, 5417.0, 5282.0, 5357.0, 5508.0, 5259.0, 5477.0, 5587.0, 5530.0, 5555.0, 5705.0, 5366.0, 5476.0, 5412.0, 5434.0, 5302.0, 5649.0, 5518.0, 5577.0 (number of hits: 6)
21	5280	9	1	333	1	5547.0, 5389.0, 5380.0, 5384.0, 5298.0, 5682.0, 5447.0, 5325.0, 5480.0, 5443.0, 5315.0, 5617.0, 5398.0, 5463.0, 5353.0, 5282.0, 5344.0, 5294.0, 5722.0, 5527.0, 5402.0, 5459.0, 5652.0, 5273.0, 5504.0, 5357.0, 5363.0, 5437.0, 5596.0, 5261.0, 5397.0, 5571.0, 5635.0, 5655.0, 5563.0, 5597.0, 5467.0, 5446.0, 5529.0, 5666.0, 5680.0, 5516.0, 5350.0, 5312.0, 5632.0, 5591.0, 5627.0, 5355.0, 5335.0, 5452.0, 5583.0, 5645.0, 5664.0, 5284.0, 5629.0, 5520.0, 5497.0, 5687.0, 5483.0, 5395.0, 5703.0, 5628.0, 5255.0, 5361.0, 5612.0, 5719.0, 5679.0, 5362.0, 5523.0, 5455.0, 5458.0, 5329.0, 5304.0, 5320.0, 5269.0, 5422.0, 5534.0, 5275.0, 5586.0, 5714.0, 5569.0, 5339.0, 5677.0, 5326.0, 5287.0, 5471.0, 5378.0, 5570.0, 5454.0, 5644.0, 5600.0, 5299.0, 5543.0, 5661.0, 5277.0, 5296.0, 5558.0, 5560.0, 5539.0, 5450.0 (number of hits: 7)
22	5280	9	1	333	1	5548.0, 5393.0, 5698.0, 5256.0, 5492.0,

						5468.0, 5478.0, 5381.0, 5372.0, 5325.0, 5701.0, 5408.0, 5561.0, 5559.0, 5517.0, 5487.0, 5596.0, 5369.0, 5695.0, 5413.0, 5420.0, 5646.0, 5692.0, 5552.0, 5392.0, 5691.0, 5446.0, 5587.0, 5571.0, 5317.0, 5687.0, 5688.0, 5461.0, 5542.0, 5653.0, 5635.0, 5618.0, 5506.0, 5354.0, 5500.0, 5405.0, 5667.0, 5662.0, 5457.0, 5390.0, 5433.0, 5353.0, 5254.0, 5625.0, 5575.0, 5442.0, 5564.0, 5351.0, 5284.0, 5384.0, 5283.0, 5592.0, 5361.0, 5720.0, 5379.0, 5373.0, 5358.0, 5554.0, 5617.0, 5264.0, 5391.0, 5313.0, 5330.0, 5448.0, 5505.0, 5521.0, 5579.0, 5638.0, 5573.0, 5310.0, 5703.0, 5322.0, 5360.0, 5301.0, 5398.0, 5422.0, 5543.0, 5421.0, 5473.0, 5578.0, 5601.0, 5718.0, 5311.0, 5622.0, 5690.0, 5460.0, 5423.0, 5281.0, 5362.0, 5706.0, 5419.0, 5503.0, 5436.0, 5540.0, 5538.0 (number of hits: 4)
23	5280	9	1	333	1	5258.0, 5493.0, 5592.0, 5651.0, 5380.0, 5642.0, 5288.0, 5431.0, 5459.0, 5697.0, 5339.0, 5423.0, 5604.0, 5562.0, 5304.0, 5277.0, 5535.0, 5526.0, 5713.0, 5348.0, 5394.0, 5522.0, 5466.0, 5300.0, 5704.0, 5536.0, 5346.0, 5560.0, 5419.0, 5502.0, 5255.0, 5648.0, 5699.0, 5318.0, 5578.0, 5554.0, 5541.0, 5714.0, 5552.0, 5281.0, 5378.0, 5407.0, 5636.0, 5491.0, 5465.0, 5634.0, 5539.0, 5614.0, 5375.0, 5309.0, 5716.0, 5285.0, 5675.0, 5633.0, 5531.0, 5430.0, 5702.0, 5708.0, 5643.0, 5657.0, 5611.0, 5426.0, 5414.0, 5373.0, 5677.0, 5705.0, 5413.0, 5649.0, 5261.0, 5682.0, 5400.0, 5482.0, 5439.0, 5533.0, 5252.0, 5397.0, 5467.0, 5415.0, 5333.0, 5480.0, 5468.0, 5596.0, 5688.0, 5449.0, 5588.0, 5441.0, 5667.0, 5696.0, 5630.0, 5581.0, 5700.0, 5653.0, 5353.0, 5631.0, 5718.0, 5306.0, 5335.0, 5307.0, 5316.0, 5505.0 (number of hits: 7)
24	5280	9	1	333	1	5570.0, 5332.0, 5428.0, 5319.0, 5614.0, 5568.0, 5708.0, 5609.0, 5301.0, 5268.0, 5367.0, 5482.0, 5311.0, 5671.0, 5257.0, 5642.0, 5467.0, 5458.0, 5432.0, 5310.0, 5308.0, 5327.0, 5499.0, 5560.0, 5399.0, 5494.0, 5305.0, 5452.0, 5420.0, 5607.0, 5508.0, 5701.0, 5355.0, 5597.0, 5472.0, 5637.0, 5346.0, 5672.0, 5461.0, 5345.0, 5534.0, 5632.0, 5304.0, 5693.0, 5679.0, 5459.0, 5635.0, 5260.0, 5552.0, 5545.0, 5252.0, 5691.0, 5507.0, 5569.0, 5395.0, 5468.0, 5449.0, 5668.0, 5550.0, 5328.0, 5608.0, 5297.0, 5448.0, 5475.0, 5273.0, 5665.0, 5255.0, 5369.0, 5324.0, 5581.0, 5423.0, 5402.0, 5548.0, 5594.0, 5435.0,

						5443.0, 5330.0, 5392.0, 5398.0, 5295.0, 5496.0, 5287.0, 5416.0, 5688.0, 5479.0, 5375.0, 5654.0, 5262.0, 5543.0, 5444.0, 5317.0, 5412.0, 5451.0, 5716.0, 5633.0, 5711.0, 5478.0, 5381.0, 5491.0, 5546.0 (number of hits: 9)
25	5280	9	1	333	1	5477.0, 5539.0, 5466.0, 5707.0, 5560.0, 5367.0, 5524.0, 5614.0, 5458.0, 5451.0, 5358.0, 5433.0, 5472.0, 5594.0, 5336.0, 5329.0, 5546.0, 5326.0, 5254.0, 5382.0, 5508.0, 5692.0, 5335.0, 5586.0, 5694.0, 5521.0, 5628.0, 5290.0, 5332.0, 5268.0, 5355.0, 5584.0, 5374.0, 5722.0, 5363.0, 5444.0, 5299.0, 5315.0, 5261.0, 5445.0, 5379.0, 5344.0, 5319.0, 5423.0, 5720.0, 5360.0, 5680.0, 5397.0, 5441.0, 5431.0, 5613.0, 5713.0, 5415.0, 5623.0, 5394.0, 5308.0, 5356.0, 5667.0, 5627.0, 5274.0, 5393.0, 5547.0, 5381.0, 5318.0, 5640.0, 5496.0, 5251.0, 5406.0, 5721.0, 5447.0, 5440.0, 5705.0, 5615.0, 5683.0, 5677.0, 5401.0, 5558.0, 5633.0, 5271.0, 5400.0, 5304.0, 5698.0, 5548.0, 5535.0, 5619.0, 5592.0, 5384.0, 5670.0, 5575.0, 5711.0, 5454.0, 5590.0, 5263.0, 5561.0, 5549.0, 5717.0, 5453.0, 5571.0, 5420.0, 5589.0 (number of hits: 4)
26	5280	9	1	333	1	5521.0, 5573.0, 5650.0, 5635.0, 5718.0, 5312.0, 5441.0, 5328.0, 5323.0, 5608.0, 5478.0, 5452.0, 5364.0, 5419.0, 5394.0, 5273.0, 5367.0, 5602.0, 5481.0, 5645.0, 5584.0, 5657.0, 5614.0, 5429.0, 5704.0, 5643.0, 5317.0, 5565.0, 5708.0, 5421.0, 5651.0, 5684.0, 5710.0, 5473.0, 5380.0, 5412.0, 5366.0, 5489.0, 5304.0, 5457.0, 5691.0, 5644.0, 5322.0, 5456.0, 5324.0, 5680.0, 5669.0, 5406.0, 5634.0, 5269.0, 5298.0, 5375.0, 5287.0, 5705.0, 5524.0, 5391.0, 5427.0, 5466.0, 5715.0, 5415.0, 5383.0, 5532.0, 5587.0, 5592.0, 5451.0, 5548.0, 5326.0, 5450.0, 5671.0, 5595.0, 5517.0, 5278.0, 5531.0, 5259.0, 5448.0, 5392.0, 5560.0, 5607.0, 5563.0, 5403.0, 5660.0, 5449.0, 5554.0, 5365.0, 5504.0, 5348.0, 5264.0, 5410.0, 5411.0, 5693.0, 5440.0, 5655.0, 5337.0, 5662.0, 5678.0, 5576.0, 5613.0, 5339.0, 5522.0, 5509.0 (number of hits: 4)
27	5280	9	1	333	1	5638.0, 5458.0, 5336.0, 5461.0, 5718.0, 5666.0, 5714.0, 5352.0, 5325.0, 5687.0, 5564.0, 5387.0, 5543.0, 5390.0, 5490.0, 5317.0, 5422.0, 5695.0, 5288.0, 5693.0, 5256.0, 5413.0, 5293.0, 5340.0, 5560.0, 5535.0, 5315.0, 5586.0, 5537.0, 5616.0, 5451.0, 5604.0, 5465.0, 5540.0, 5347.0, 5292.0, 5252.0, 5319.0, 5403.0, 5443.0,

						5260.0, 5600.0, 5485.0, 5349.0, 5388.0, 5305.0, 5678.0, 5333.0, 5501.0, 5449.0, 5683.0, 5478.0, 5321.0, 5285.0, 5512.0, 5608.0, 5521.0, 5677.0, 5606.0, 5672.0, 5567.0, 5635.0, 5477.0, 5591.0, 5536.0, 5552.0, 5259.0, 5432.0, 5301.0, 5654.0, 5426.0, 5328.0, 5625.0, 5570.0, 5554.0, 5641.0, 5433.0, 5500.0, 5420.0, 5542.0, 5517.0, 5642.0, 5629.0, 5466.0, 5697.0, 5717.0, 5287.0, 5511.0, 5263.0, 5658.0, 5532.0, 5372.0, 5435.0, 5657.0, 5722.0, 5307.0, 5577.0, 5579.0, 5575.0, 5318.0 (number of hits: 8)
28	5280	9	1	333	1	5436.0, 5438.0, 5501.0, 5334.0, 5656.0, 5573.0, 5705.0, 5301.0, 5657.0, 5461.0, 5639.0, 5415.0, 5593.0, 5446.0, 5665.0, 5330.0, 5384.0, 5622.0, 5697.0, 5383.0, 5561.0, 5572.0, 5287.0, 5503.0, 5481.0, 5335.0, 5339.0, 5538.0, 5437.0, 5304.0, 5354.0, 5285.0, 5439.0, 5408.0, 5342.0, 5466.0, 5541.0, 5369.0, 5366.0, 5711.0, 5684.0, 5473.0, 5459.0, 5291.0, 5356.0, 5533.0, 5498.0, 5275.0, 5391.0, 5485.0, 5619.0, 5539.0, 5583.0, 5405.0, 5389.0, 5471.0, 5623.0, 5613.0, 5486.0, 5440.0, 5303.0, 5268.0, 5337.0, 5428.0, 5513.0, 5690.0, 5714.0, 5686.0, 5605.0, 5523.0, 5670.0, 5544.0, 5422.0, 5667.0, 5381.0, 5271.0, 5645.0, 5575.0, 5288.0, 5496.0, 5514.0, 5596.0, 5636.0, 5590.0, 5425.0, 5701.0, 5644.0, 5664.0, 5660.0, 5377.0, 5542.0, 5642.0, 5554.0, 5540.0, 5371.0, 5635.0, 5327.0, 5721.0, 5380.0, 5658.0 (number of hits: 7)
29	5280	9	1	333	1	5607.0, 5646.0, 5708.0, 5262.0, 5533.0, 5718.0, 5329.0, 5687.0, 5269.0, 5568.0, 5346.0, 5522.0, 5710.0, 5601.0, 5629.0, 5287.0, 5661.0, 5651.0, 5626.0, 5389.0, 5360.0, 5303.0, 5556.0, 5484.0, 5705.0, 5640.0, 5554.0, 5388.0, 5689.0, 5268.0, 5485.0, 5442.0, 5538.0, 5599.0, 5664.0, 5639.0, 5402.0, 5387.0, 5455.0, 5505.0, 5383.0, 5649.0, 5300.0, 5588.0, 5645.0, 5470.0, 5495.0, 5630.0, 5265.0, 5309.0, 5701.0, 5609.0, 5602.0, 5441.0, 5267.0, 5436.0, 5693.0, 5463.0, 5532.0, 5573.0, 5461.0, 5449.0, 5369.0, 5655.0, 5434.0, 5251.0, 5598.0, 5362.0, 5721.0, 5284.0, 5384.0, 5410.0, 5339.0, 5638.0, 5531.0, 5405.0, 5488.0, 5668.0, 5617.0, 5537.0, 5438.0, 5631.0, 5373.0, 5356.0, 5444.0, 5507.0, 5686.0, 5528.0, 5597.0, 5508.0, 5446.0, 5481.0, 5555.0, 5637.0, 5341.0, 5404.0, 5625.0, 5698.0, 5465.0, 5511.0 (number of hits: 4)
30	5280	9	1	333	1	5312.0, 5279.0, 5498.0, 5567.0, 5491.0,

						5612.0, 5496.0, 5694.0, 5580.0, 5540.0, 5252.0, 5537.0, 5475.0, 5486.0, 5306.0, 5716.0, 5715.0, 5423.0, 5375.0, 5278.0, 5637.0, 5487.0, 5622.0, 5523.0, 5368.0, 5409.0, 5477.0, 5413.0, 5501.0, 5392.0, 5253.0, 5470.0, 5718.0, 5650.0, 5614.0, 5406.0, 5720.0, 5343.0, 5570.0, 5712.0, 5558.0, 5625.0, 5265.0, 5429.0, 5690.0, 5468.0, 5359.0, 5366.0, 5633.0, 5415.0, 5369.0, 5393.0, 5663.0, 5515.0, 5460.0, 5427.0, 5450.0, 5632.0, 5353.0, 5506.0, 5545.0, 5381.0, 5695.0, 5493.0, 5703.0, 5257.0, 5502.0, 5311.0, 5422.0, 5664.0, 5480.0, 5410.0, 5565.0, 5642.0, 5338.0, 5555.0, 5273.0, 5319.0, 5403.0, 5505.0, 5635.0, 5345.0, 5356.0, 5684.0, 5568.0, 5670.0, 5668.0, 5399.0, 5346.0, 5282.0, 5697.0, 5649.0, 5566.0, 5579.0, 5529.0, 5644.0, 5396.0, 5556.0, 5421.0, 5599.0 (number of hits: 3)

5550 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 0	30	100 %	60%	Pass
Type 1 A	30	100 %	60%	Pass
Type 1 B				
Type 2	30	76.7 %	60%	Pass
Type 3	30	93.8 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	92.625 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5550 MHz, 40 MHz Bandwidth

Table-1 Radar Type 0 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	18	1	1428	1
2	5550	18	1	1428	1
3	5550	18	1	1428	1
4	5550	18	1	1428	1
5	5550	18	1	1428	1
6	5550	18	1	1428	1
7	5550	18	1	1428	1
8	5550	18	1	1428	1
9	5550	18	1	1428	1
10	5550	18	1	1428	1
11	5550	18	1	1428	1
12	5550	18	1	1428	1
13	5550	18	1	1428	1
14	5550	18	1	1428	1
15	5550	18	1	1428	1
16	5550	18	1	1428	1
17	5550	18	1	1428	1
18	5550	18	1	1428	1
19	5550	18	1	1428	1
20	5550	18	1	1428	1
21	5550	18	1	1428	1
22	5550	18	1	1428	1
23	5550	18	1	1428	1
24	5550	18	1	1428	1
25	5550	18	1	1428	1
26	5550	18	1	1428	1
27	5550	18	1	1428	1
28	5550	18	1	1428	1
29	5550	18	1	1428	1
30	5550	18	1	1428	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 1(A/B) Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1 (A)	5550	59	1	898	1
2 (A)	5550	67	1	798	1
3 (A)	5550	61	1	878	1
4 (A)	5550	76	1	698	1
5 (A)	5550	74	1	718	1
6 (A)	5550	63	1	838	1
7 (A)	5550	78	1	678	1
8 (A)	5550	81	1	658	1
9 (A)	5550	72	1	738	1
10 (A)	5550	65	1	818	1
11 (A)	5550	83	1	638	1
12 (A)	5550	89	1	598	1
13 (A)	5550	102	1	518	1
14 (A)	5550	95	1	558	1
15 (A)	5550	92	1	578	1
16 (B)	5550	53	1	1007	1
17 (B)	5550	21	1	2575	1
18 (B)	5550	22	1	2429	1
19 (B)	5550	47	1	1128	1
20 (B)	5550	20	1	2774	1
21 (B)	5550	21	1	2629	1
22 (B)	5550	32	1	1692	1
23 (B)	5550	52	1	1026	1
24 (B)	5550	23	1	2317	1
25 (B)	5550	24	1	2285	1
26 (B)	5550	100	1	531	1
27 (B)	5550	28	1	1908	1
28 (B)	5550	101	1	523	1
29 (B)	5550	20	1	2694	1
30 (B)	5550	39	1	1385	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	29	3.4	225	1
2	5550	24	3.9	222	1
3	5550	28	4.7	151	1
4	5550	28	3.3	150	1
5	5550	25	1	166	1
6	5550	29	3.2	197	1
7	5550	26	4.6	180	1
8	5550	26	3.8	176	1
9	5550	28	1.9	190	0
10	5550	27	1.4	191	0
11	5550	27	4.1	185	1
12	5550	28	3	164	1
13	5550	26	3.7	159	1
14	5550	23	1.1	157	1
15	5550	27	1	210	1
16	5550	27	2.3	220	0
17	5550	29	4.2	173	1
18	5550	26	1.1	153	1
19	5550	24	2	159	0
20	5550	28	4.4	178	1
21	5550	28	5	215	1
22	5550	23	4.8	160	1
23	5550	24	5	155	1
24	5550	25	2.7	172	1
25	5550	29	2.3	215	0
26	5550	29	3.6	218	1
27	5550	24	2.6	201	0
28	5550	23	1.7	150	0
29	5550	27	1.6	178	1
30	5550	28	3.4	201	1
Detection Percentage: 76.7 % (>60%)					

Table-4 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	17	6.7	263	1
2	5550	18	7.2	435	1
3	5550	17	6.1	448	1
4	5550	17	8	250	1
5	5550	17	8.3	418	1
6	5550	16	8.5	353	0
7	5550	17	9.6	297	1
8	5550	17	7.8	310	1
9	5550	18	8.8	389	1
10	5550	16	9.5	244	1
11	5550	18	8.2	389	1
12	5550	17	9.8	220	1
13	5550	17	9.1	453	1
14	5550	18	6.6	378	1
15	5550	18	10	425	1
16	5550	16	8.6	289	1
17	5550	17	6.8	274	0
18	5550	16	8.2	464	1
19	5550	17	7	428	1
20	5550	16	6.2	216	1
21	5550	18	6.1	347	1
22	5550	16	6.4	222	1
23	5550	18	9.4	347	1
24	5550	16	8.4	414	1
25	5550	17	6.2	446	1
26	5550	18	6.8	334	1
27	5550	18	9.5	220	1
28	5550	18	6.3	214	1
29	5550	18	9.6	234	1
30	5550	18	9.5	485	1
Detection Percentage: 93.8 % (>60%)					

Table-5 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	12	12.2	234	1
2	5550	16	11.8	368	1
3	5550	14	19.1	244	1
4	5550	15	18.6	480	1
5	5550	14	13.1	420	1
6	5550	14	16.6	210	1
7	5550	13	14.9	463	1
8	5550	12	16	445	1
9	5550	14	19.4	420	1
10	5550	16	16.9	215	1
11	5550	14	16.8	450	1
12	5550	13	13.6	204	1
13	5550	14	15.6	452	1
14	5550	15	16.9	458	1
15	5550	13	18.4	464	1
16	5550	15	12	473	1
17	5550	14	11.2	415	1
18	5550	14	15.4	351	1
19	5550	12	18.2	351	1
20	5550	16	13.7	334	1
21	5550	13	15.5	209	1
22	5550	15	13.5	329	1
23	5550	13	17.9	281	1
24	5550	12	16.9	377	1
25	5550	12	13	482	1
26	5550	12	18.9	214	1
27	5550	16	15.6	459	1
28	5550	13	17.3	396	1
29	5550	14	15.4	241	1
30	5550	14	12	428	1
Detection Percentage: 100 % (>60%)					

Table-6 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	52.8	1414	1367	0.524888	1
1	1	18	99.7			1.168017	
2	2	8	99.2	1835		2.530634	
3	1	10	58.8			2.855099	
4	2	12	66.8	1091		3.623365	
5	2	6	95.1	1419		5.035068	
6	1	7	97.2			5.49959	
7	3	20	71.8	1998	1166	6.576149	
8	2	16	77.9	1117		7.489799	
9	3	8	93.1	1258	1924	8.533656	
10	2	6	95	1944		9.275058	
11	2	6	53.8	1046		9.731893	
12	3	20	80.8	1401	1725	10.55405	
13	2	13	71.4	1270		11.145595	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	51.2	1103		0.27188	1
1	2	7	74.1	1929		0.805898	
2	1	6	57.7			1.645815	
3	2	11	90.3	1978		2.946153	
4	2	11	58	1744		3.350691	
5	3	10	90.1	1602	1633	3.766459	
6	2	19	75.1	1560		5.059841	
7	2	6	59.7	1035		5.642967	
8	1	14	57.7			6.282525	
9	2	12	86.6	1284		6.852676	
10	2	15	75.8	1796		8.052285	
11	2	18	82.4	1375		8.795529	
12	2	8	98	1290		9.522141	
13	3	15	73.6	1075	1625	9.931361	
14	1	12	98.5			11.101567	
15	2	7	94.2	1912		11.949111	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	91.7	1704		0.940106	1
1	2	6	75.6	1551		2.368379	
2	2	19	87.8	1140		3.166052	
3	1	17	54			3.9084	
4	3	17	69.8	1914	1571	5.020522	
5	2	20	50.3	1620		6.726624	
6	3	7	62.2	1469	1526	7.768904	
7	2	20	80.6	1293		8.817238	
8	3	10	53.3	1523	1893	10.282728	
9	2	15	52.4	1014		11.470097	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	96.6	1509	1621	0.094529	1
1	3	8	94	1651	1564	1.031793	
2	3	15	95.6	1647	1428	1.527135	
3	1	16	59.1			2.223133	
4	1	9	59			3.129545	
5	3	17	76.7	1122	1230	3.437821	
6	3	19	90.1	1909	1107	4.253134	
7	2	15	77.7	1923		5.193362	
8	2	8	53.9	1579		5.680712	
9	3	20	73.5	1238	1387	6.629385	
10	2	13	76.1	1789		6.813452	
11	3	13	90.7	1039	1786	7.652837	
12	1	17	97.9			8.511719	
13	2	8	70.3	1410		8.695279	
14	1	17	74.6			9.916049	
15	3	6	75	1818	1934	10.423528	
16	1	12	68.2			10.954683	
17	2	8	58.2	1251		11.551901	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	65.8	1761		0.382565	
1	3	18	73.3	1440	1164	2.030193	
2	2	18	61.5	1081		2.800207	
3	1	10	69.4			5.059265	
4	1	7	50.5			6.51294	1
5	2	17	86.5	1421		7.168823	
6	1	5	61.6			8.40483	
7	2	17	81.2	1965		10.156841	
8	3	14	90.3	1837	1344	11.931451	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	91.7			0.146884	
1	2	8	72	1957		1.007535	
2	2	15	66.3	1310		1.306797	
3	3	9	71.7	1940	1994	2.344821	
4	1	8	52.8			2.970412	
5	3	6	66.4	1271	1065	3.464887	
6	2	17	68.7	1723		4.364201	
7	2	16	63.5	1101		4.796691	
8	3	5	96.2	1524	1727	5.531148	
9	2	11	58.2	1340		6.075802	1
10	1	6	85.1			6.394135	
11	3	10	83.6	1581	1706	7.446485	
12	2	14	83.4	1497		8.080025	
13	2	18	51.8	1904		8.785475	
14	1	14	81.4			9.328812	
15	1	18	50.2			10.081889	
16	2	18	65.3	1467		10.115116	
17	1	13	79.6			10.835281	
18	1	10	80.4			11.399604	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	74.3	1297		0.446549	
1	3	18	66.8	1751	1713	1.433258	
2	3	13	86.5	1775	1367	2.664274	
3	2	16	53.8	1731		3.00061	
4	2	16	68.2	1779		4.058806	
5	1	11	95.9			5.320839	
6	3	19	65.8	1628	1500	6.375855	1
7	3	10	81.2	1954	1061	7.213908	
8	2	15	87.3	1257		8.042315	
9	3	18	59	1969	1578	8.814985	
10	2	17	67.6	1161		9.724441	
11	3	9	67.3	1183	1502	10.946679	
12	3	10	65.2	1153	1549	11.950066	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	74.1			0.278242	
1	2	11	98.9	1428		0.823234	
2	2	8	87.4	1017		1.648002	
3	2	15	97.2	1540		2.502816	
4	2	8	99.8	1883		3.62235	
5	2	6	67	1928		4.251933	
6	2	16	54	1703		5.543163	
7	2	14	72.7	1619		6.12834	1
8	3	14	69.7	1100	1378	7.138304	
9	3	17	72.1	1269	1682	7.302728	
10	1	10	62			8.34668	
11	1	14	73.7			9.161278	
12	2	20	65	1596		9.692208	
13	2	15	72.1	1042		10.907395	
14	2	20	50.8	1642		11.60342	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	65.9			0.821961	
1	2	8	70.3	1662		1.130732	
2	3	6	95.1	1642	1177	2.238499	
3	3	12	56.6	1069	1509	2.940527	
4	2	14	79.7	1425		4.516723	
5	3	18	74.1	1789	1631	4.702433	
6	3	11	87.3	1223	1218	5.913961	1
7	3	9	69.5	1320	1678	6.807149	
8	3	9	73.7	1424	1960	7.804384	
9	3	19	94.3	1301	1833	8.973209	
10	2	14	52.7	1501		9.784487	
11	1	9	97.6			10.578802	
12	2	7	74.2	1397		11.399656	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	92.3	1184		0.88319	
1	1	8	57.1			1.67903	
2	2	16	66.1	1603		2.621853	
3	2	11	52.2	1848		3.519584	
4	3	8	74.2	1637	1205	5.275098	
5	2	9	74.4	1175		5.904695	1
6	2	9	82.5	1685		7.568542	
7	1	11	74.7			8.395985	
8	3	16	70.3	1640	1323	8.810101	
9	2	11	68	1242		10.694591	
10	3	8	80.2	1754	1246	11.87057	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	62.9	1180	1284	0.282741	1
1	1	13	91.4			1.543104	
2	3	9	93.1	1681	1939	2.168048	
3	2	10	56.7	1403		2.936461	
4	3	19	90.6	1668	1893	3.607543	
5	2	11	62.8	1540		4.850268	
6	1	6	57.5			5.656523	
7	3	5	64.1	1363	1303	6.390707	
8	3	19	99.5	1615	1970	7.507017	
9	3	19	66.2	1946	1046	7.804787	
10	2	9	56.1	1358		9.34466	
11	3	8	83.2	1323	1328	9.62503	
12	3	12	55.6	1806	1238	11.129336	
13	2	7	91.2	1512		11.161057	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	77.9	1431	1398	0.421091	1
1	1	9	59.8			1.846719	
2	2	12	88.5	1574		2.927047	
3	3	9	52.6	1995	1282	4.302294	
4	3	15	75.4	1676	1885	5.359204	
5	3	19	88.2	1981	1004	6.13162	
6	1	10	61.4			7.261388	
7	2	8	98	1006		9.392712	
8	1	10	89.1			10.737851	
9	2	13	64.1	1216		11.310932	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	67.3	1307		0.507934	1
1	2	15	99.2	1981		1.184843	
2	3	15	72.1	1473	1761	2.085194	
3	1	10	56.2			2.925952	
4	1	18	89.1			3.759921	
5	2	6	75.7	1713		4.58507	
6	2	11	75.6	1300		5.944603	
7	2	12	61	1180		6.466	
8	2	7	77.3	1508		7.073997	
9	2	11	76	1353		8.459275	
10	2	9	53.9	1860		8.670531	
11	2	13	55	1087		9.594088	
12	2	13	78.3	1335		10.503195	
13	1	14	77.3			11.209241	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	51.7	1325		0.705945	1
1	1	8	61.5			2.378319	
2	1	13	80.6			3.220107	
3	1	17	89.4			4.743514	
4	2	16	74.6	1454		5.527804	
5	3	7	96.7	1432	1299	7.584741	
6	2	19	97.3	1516		9.28058	
7	1	17	89.2			9.353925	
8	1	19	97.3			10.806568	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	67	1696	1518	0.272517	
1	3	6	89.9	1976	1798	1.923057	
2	1	18	66.2			2.799252	
3	2	15	62.6	1945		3.448454	
4	2	13	50.4	1096		4.811329	
5	2	10	99.8	1177		6.299368	1
6	3	20	67.6	1798	1225	7.190005	
7	3	18	98.8	1788	1993	8.483953	
8	2	14	85.8	1441		9.752896	
9	2	8	82.1	1349		10.159832	
10	2	17	65	1339		11.818823	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	87.1	1611	1891	0.436295	
1	2	12	57.3	1644		1.147608	
2	1	10	93.7			1.559086	
3	2	12	82.4	1026		2.245154	
4	2	10	94.6	1403		2.665245	
5	2	13	56	1283		3.518158	
6	3	12	56.7	1357	1747	4.304919	
7	2	7	74.7	1438		5.012323	
8	2	11	95.1	1111		5.13503	
9	2	9	74.3	1777		6.172043	1
10	2	15	80.4	1388		6.370386	
11	2	17	55.9	1863		7.423599	
12	2	18	97.2	1451		7.842324	
13	2	18	69.3	1270		8.336444	
14	2	15	50.1	1319		8.967329	
15	3	8	70.7	1701	1104	10.093894	
16	2	20	57.2	1576		10.39313	
17	1	13	90.5			11.012022	
18	3	10	68.3	1643	1562	11.475918	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	75.1			0.385212	
1	2	5	77.5	1151		1.618961	
2	3	8	71.3	1364	1548	2.680953	
3	1	19	78.8			3.513223	
4	1	8	74.8			3.787605	
5	2	19	62.2	1028		4.868891	
6	2	8	52.6	1195		5.859199	1
7	3	19	51.6	1325	1225	7.199525	
8	2	9	80.5	1129		7.66729	
9	1	16	87			9.191518	
10	2	17	65.6	1197		9.832444	
11	2	15	54.2	1601		10.293331	
12	3	19	84.6	1614	1760	11.901389	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	80.5	1025		0.066705	
1	3	11	85.5	1398	1087	0.817149	
2	1	9	59.8			1.597148	
3	1	5	73.3			2.438671	
4	2	7	76.1	1288		2.988087	
5	2	16	93	1904		3.401613	
6	1	14	63.7			4.114439	
7	2	10	75.7	1719		4.934123	
8	2	19	72	1176		5.877278	1
9	1	14	86.8			6.473648	
10	1	14	51.9			6.742695	
11	1	14	66.2			7.42008	
12	3	16	60.6	1292	1196	8.521623	
13	3	12	99.5	1913	1317	8.968382	
14	2	8	53	1451		9.38459	
15	1	10	99.3			10.139205	
16	1	6	59.4			11.1675	
17	3	6	85.5	1540	1725	11.794343	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	88.9	1243		0.665899	
1	1	11	60.9			1.316852	
2	1	17	74.4			1.523262	
3	2	15	96.1	1848		2.542232	
4	2	13	81.9	1112		2.908829	
5	3	6	72.4	1517	1475	3.627194	
6	1	16	55.1			4.823189	
7	3	10	97.4	1386	1088	5.124046	
8	2	11	57.6	1710		5.695874	1
9	1	16	53			6.373105	
10	2	6	62.2	1644		7.4665	
11	2	14	80.9	1274		8.214126	
12	2	19	59.8	1321		8.557236	
13	2	12	68.4	1360		9.40025	
14	2	5	88.3	1231		10.290898	
15	2	18	85.9	1016		11.145984	
16	1	11	67.3			11.306294	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	91.1			0.375743	
1	2	10	69	1903		2.517826	
2	2	7	76	1829		2.684077	
3	1	14	58.5			4.649915	
4	3	18	71.9	1673	1770	6.547178	1
5	1	19	82			7.621804	
6	2	18	55.3	1630		8.556966	
7	2	6	97.9	1038		9.748118	
8	2	20	60.7	1928		11.213437	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	50.9	1246		0.4371	
1	1	9	70.7			1.476315	
2	3	16	65.2	1244	1888	2.156165	
3	3	8	98.4	1469	1706	2.918762	
4	2	6	58.9	1002		3.904966	
5	2	17	61.6	1350		4.107588	
6	3	15	83	1614	1365	4.877137	
7	2	17	71.4	1208		6.21487	1
8	2	9	78.1	1711		7.113821	
9	2	13	83.6	1782		7.310848	
10	2	10	70	1004		8.63152	
11	1	20	95.3			9.546404	
12	1	13	77.9			10.190655	
13	3	17	76.2	1357	1459	11.008573	
14	2	13	64.2	1553		11.693583	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	54			1.25064	
1	2	19	85.1	1444		1.429735	
2	2	6	53.5	1237		2.731035	
3	2	20	74.8	1903		4.056538	
4	3	11	95.4	1779	1896	6.368614	1
5	2	10	78.3	1591		7.018802	
6	1	16	81.1			8.065852	
7	3	18	72.9	1121	1859	10.52692	
8	1	9	92.9			11.855849	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	57.3			1.149018	1
1	3	10	67.1	1652	1985	2.092913	
2	2	18	73.1	1198		2.554348	
3	3	8	86.1	1619	1354	4.395148	
4	2	11	53.6	1613		4.950772	
5	2	13	92	1026		7.121626	
6	1	18	89			7.277251	
7	2	16	75.3	1251		8.466026	
8	2	19	99.1	1775		10.525132	
9	1	10	53.6			11.056766	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	60.3	1016		0.733518	1
1	2	10	50.2	1770		1.349494	
2	3	12	95.2	1819	1023	2.115022	
3	3	8	53.6	1420	1352	3.114698	
4	3	12	56.7	1270	1815	3.924797	
5	3	19	94	1857	1906	4.381207	
6	2	19	65.8	1938		5.081254	
7	2	5	60	1164		5.6504	
8	2	17	91.3	1784		7.051616	
9	2	14	56.5	1274		7.888327	
10	3	7	93.8	1973	1941	8.305483	
11	2	18	56.9	1317		8.96862	
12	2	14	58.3	1896		10.386924	
13	1	18	84.1			10.738745	
14	2	13	74.2	1344		11.899256	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	65.2	1081		1.113012	1
1	1	7	77.9			1.510915	
2	1	7	96.2			2.812003	
3	2	11	90.7	1723		4.20105	
4	2	13	56.2	1676		5.05125	
5	2	14	71.1	1982		6.11459	
6	2	11	83.2	1673		8.284324	
7	2	20	89.3	1541		8.812477	
8	3	18	92.2	1883	1169	10.609269	
9	2	15	66.7	1508		11.256209	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	57.2			0.052721	1
1	3	16	85.6	1499	1940	0.932667	
2	1	12	61.2			2.227939	
3	2	10	88.6	1324		2.58145	
4	2	12	77.5	1356		3.94871	
5	2	10	86.9	1047		4.061574	
6	2	20	71.6	1810		5.337094	
7	2	18	98.5	1067		5.885999	
8	3	18	77.1	1263	1677	6.939956	
9	1	19	70.3			7.232271	
10	2	15	62.6	1581		8.274737	
11	3	10	90.1	1884	1790	9.587621	
12	2	13	75.6	1138		10.123448	
13	2	14	73.2	1892		10.776168	
14	2	15	83.2	1831		11.230003	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	91.8			0.459819	
1	2	9	63.8	1360		1.112163	
2	3	19	79.3	1418	1612	1.863018	
3	1	12	50.6			2.076876	
4	3	8	66.2	1098	1114	2.744902	
5	1	17	91.8			3.640099	
6	1	8	69			4.237748	
7	2	17	66.7	1141		4.9521	
8	3	13	94.2	1148	1242	5.544435	1
9	2	18	78.3	1410		6.318488	
10	1	5	73.6			6.91421	
11	2	18	70	1665		7.623378	
12	2	10	65.5	1025		8.57727	
13	1	18	57			8.902819	
14	3	5	85.3	1369	1232	9.79052	
15	2	14	63.4	1263		10.432262	
16	2	6	64.4	1642		11.029284	
17	2	15	73.5	1869		11.404147	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	86.2			0.399435	1
1	2	10	67.6	1655		1.004773	
2	2	13	88.6	1758		1.497817	
3	2	17	52.7	1969		2.537437	
4	1	9	63.7			2.940966	
5	2	14	98	1666		3.559263	
6	2	12	63	1285		4.640008	
7	3	16	62.5	1702	1258	4.787077	
8	2	6	52.5	1430		5.623433	
9	2	12	87.5	1936		6.458163	
10	2	9	59.2	1911		6.729482	
11	3	17	52.7	1081	1148	7.850728	
12	1	9	89.5			8.315018	
13	1	10	90.1			8.863063	
14	2	6	54.2	1390		9.479464	
15	1	11	93.6			10.323423	
16	3	5	94	1919	1291	10.709607	
17	3	15	79.3	1005	1262	11.867544	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	98.5	1796		0.47889	1
1	3	10	79.5	1700	1510	1.140901	
2	2	14	96.7	1147		1.706472	
3	1	14	65.3			2.657377	
4	2	8	57.5	1477		3.654866	
5	2	7	51.6	1303		3.760177	
6	2	18	51.6	1826		4.544925	
7	2	14	89.7	1865		5.942116	
8	2	8	50.5	1991		6.246243	
9	1	17	78.7			7.442526	
10	2	14	84.4	1063		7.519274	
11	2	18	85.6	1153		8.939063	
12	2	12	68.2	1535		9.418742	
13	2	7	90.1	1505		10.007531	
14	3	17	53	1617	1860	10.668751	
15	2	9	82.8	1713		11.545389	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	86.9	1697	1886	0.411243	
1	3	17	70.5	1614	1555	1.030397	
2	1	19	90			1.65793	
3	2	18	61.6	1264		2.173538	
4	2	18	94.8	1348		2.579866	
5	2	9	62.6	1336		3.669122	
6	2	11	96.7	1117		4.254102	
7	3	19	91.3	1537	1912	4.695801	
8	1	17	54.9			5.2038	
9	2	15	52.9	1100		5.865371	1
10	2	15	86	1323		6.468208	
11	2	12	75.8	1100		7.150123	
12	1	6	93.9			7.74427	
13	3	18	52	1881	1826	8.769858	
14	1	9	60.7			8.868483	
15	2	9	78.5	1545		9.704564	
16	1	9	59.8			10.616388	
17	2	13	59	1611		10.931773	
18	3	12	77.9	1339	1006	11.442493	

Table-7 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	5629.0, 5357.0, 5641.0, 5615.0, 5530.0, 5555.0, 5677.0, 5354.0, 5587.0, 5400.0, 5526.0, 5383.0, 5522.0, 5286.0, 5488.0, 5399.0, 5267.0, 5604.0, 5698.0, 5567.0, 5545.0, 5532.0, 5471.0, 5624.0, 5592.0, 5553.0, 5556.0, 5489.0, 5362.0, 5313.0, 5525.0, 5258.0, 5491.0, 5642.0, 5343.0, 5416.0, 5418.0, 5331.0, 5318.0, 5316.0, 5688.0, 5661.0, 5639.0, 5284.0, 5585.0, 5696.0, 5588.0, 5434.0, 5528.0, 5625.0, 5687.0, 5632.0, 5415.0, 5510.0, 5534.0, 5339.0, 5680.0, 5578.0, 5373.0, 5292.0, 5476.0, 5505.0, 5640.0, 5298.0, 5293.0, 5450.0, 5607.0, 5453.0, 5616.0, 5579.0, 5484.0, 5446.0, 5276.0, 5401.0, 5427.0, 5455.0, 5507.0, 5485.0, 5562.0, 5709.0, 5255.0, 5322.0, 5509.0, 5328.0, 5608.0, 5317.0, 5648.0, 5535.0, 5496.0, 5294.0, 5466.0, 5720.0, 5711.0, 5411.0, 5442.0, 5682.0, 5656.0, 5275.0, 5560.0, 5651.0 (number of hits: 6)
2	5550	9	1	333	1	5713.0, 5375.0, 5524.0, 5346.0, 5322.0, 5705.0, 5682.0, 5395.0, 5621.0, 5546.0, 5381.0, 5600.0, 5254.0, 5394.0, 5372.0, 5477.0, 5569.0, 5391.0, 5281.0, 5661.0, 5675.0, 5373.0, 5532.0, 5605.0, 5576.0, 5314.0, 5497.0, 5336.0, 5544.0, 5319.0, 5645.0, 5412.0, 5688.0, 5385.0, 5442.0, 5537.0, 5431.0, 5439.0, 5625.0, 5560.0, 5677.0, 5654.0, 5659.0, 5536.0, 5582.0, 5358.0, 5585.0, 5526.0, 5334.0, 5515.0, 5377.0, 5570.0, 5651.0, 5493.0, 5634.0, 5498.0, 5548.0, 5274.0, 5534.0, 5420.0, 5637.0, 5619.0, 5592.0, 5332.0, 5665.0, 5341.0, 5533.0, 5590.0, 5523.0, 5317.0, 5627.0, 5684.0, 5658.0, 5416.0, 5265.0, 5403.0, 5691.0, 5589.0, 5657.0, 5587.0, 5503.0, 5252.0, 5307.0, 5693.0, 5300.0, 5672.0, 5374.0, 5397.0, 5380.0, 5393.0, 5664.0, 5424.0, 5669.0, 5474.0, 5624.0, 5630.0, 5547.0, 5586.0, 5354.0, 5273.0 (number of hits: 3)
3	5550	9	1	333	1	5381.0, 5703.0, 5322.0, 5420.0, 5561.0, 5533.0, 5511.0, 5317.0, 5261.0, 5267.0, 5313.0, 5549.0, 5536.0, 5577.0, 5255.0, 5531.0, 5662.0, 5284.0, 5424.0, 5691.0, 5325.0, 5488.0, 5263.0, 5340.0, 5462.0, 5394.0, 5373.0, 5618.0, 5713.0, 5562.0, 5389.0, 5548.0, 5558.0, 5275.0, 5637.0, 5253.0, 5495.0, 5405.0, 5251.0, 5450.0, 5712.0, 5404.0, 5626.0, 5698.0, 5645.0,

						5334.0, 5475.0, 5466.0, 5633.0, 5342.0, 5252.0, 5312.0, 5601.0, 5684.0, 5602.0, 5620.0, 5369.0, 5452.0, 5304.0, 5470.0, 5497.0, 5451.0, 5395.0, 5651.0, 5362.0, 5440.0, 5655.0, 5543.0, 5444.0, 5471.0, 5695.0, 5262.0, 5331.0, 5628.0, 5453.0, 5308.0, 5390.0, 5307.0, 5383.0, 5339.0, 5611.0, 5385.0, 5332.0, 5668.0, 5603.0, 5257.0, 5539.0, 5303.0, 5656.0, 5714.0, 5287.0, 5672.0, 5631.0, 5528.0, 5590.0, 5718.0, 5527.0, 5697.0, 5573.0, 5634.0 (number of hits: 7)
4	5550	9	1	333	1	5610.0, 5536.0, 5486.0, 5415.0, 5639.0, 5381.0, 5436.0, 5271.0, 5677.0, 5605.0, 5391.0, 5493.0, 5566.0, 5331.0, 5345.0, 5455.0, 5606.0, 5369.0, 5433.0, 5284.0, 5673.0, 5392.0, 5407.0, 5510.0, 5440.0, 5416.0, 5375.0, 5408.0, 5496.0, 5342.0, 5286.0, 5482.0, 5686.0, 5578.0, 5409.0, 5297.0, 5653.0, 5513.0, 5567.0, 5265.0, 5283.0, 5668.0, 5630.0, 5277.0, 5598.0, 5302.0, 5643.0, 5691.0, 5258.0, 5301.0, 5568.0, 5335.0, 5432.0, 5663.0, 5445.0, 5669.0, 5518.0, 5260.0, 5581.0, 5590.0, 5666.0, 5362.0, 5625.0, 5405.0, 5443.0, 5401.0, 5722.0, 5359.0, 5477.0, 5705.0, 5434.0, 5358.0, 5694.0, 5629.0, 5458.0, 5282.0, 5596.0, 5521.0, 5637.0, 5622.0, 5519.0, 5614.0, 5471.0, 5266.0, 5417.0, 5540.0, 5257.0, 5479.0, 5599.0, 5522.0, 5430.0, 5683.0, 5330.0, 5541.0, 5698.0, 5588.0, 5487.0, 5585.0, 5594.0, 5580.0 (number of hits: 4)
5	5550	9	1	333	1	5318.0, 5701.0, 5526.0, 5646.0, 5480.0, 5392.0, 5673.0, 5323.0, 5274.0, 5426.0, 5605.0, 5293.0, 5409.0, 5507.0, 5352.0, 5496.0, 5298.0, 5707.0, 5602.0, 5453.0, 5474.0, 5466.0, 5376.0, 5417.0, 5508.0, 5534.0, 5328.0, 5484.0, 5468.0, 5674.0, 5705.0, 5606.0, 5365.0, 5488.0, 5677.0, 5561.0, 5364.0, 5436.0, 5683.0, 5452.0, 5653.0, 5300.0, 5395.0, 5503.0, 5711.0, 5456.0, 5421.0, 5464.0, 5600.0, 5412.0, 5375.0, 5297.0, 5450.0, 5631.0, 5538.0, 5511.0, 5441.0, 5304.0, 5271.0, 5443.0, 5672.0, 5505.0, 5556.0, 5379.0, 5487.0, 5380.0, 5440.0, 5553.0, 5572.0, 5663.0, 5563.0, 5548.0, 5676.0, 5361.0, 5566.0, 5645.0, 5679.0, 5334.0, 5482.0, 5532.0, 5303.0, 5562.0, 5478.0, 5714.0, 5702.0, 5410.0, 5449.0, 5689.0, 5614.0, 5571.0, 5280.0, 5308.0, 5635.0, 5255.0, 5539.0, 5437.0, 5643.0, 5625.0, 5569.0, 5515.0 (number of hits: 7)
6	5550	9	1	333	1	5674.0, 5268.0, 5575.0, 5420.0, 5405.0, 5559.0, 5689.0, 5606.0, 5531.0, 5415.0,

						5664.0, 5595.0, 5529.0, 5264.0, 5688.0, 5584.0, 5680.0, 5589.0, 5497.0, 5292.0, 5513.0, 5459.0, 5616.0, 5692.0, 5601.0, 5351.0, 5430.0, 5293.0, 5278.0, 5722.0, 5498.0, 5516.0, 5398.0, 5469.0, 5386.0, 5505.0, 5318.0, 5329.0, 5670.0, 5634.0, 5461.0, 5443.0, 5716.0, 5530.0, 5478.0, 5639.0, 5594.0, 5509.0, 5408.0, 5254.0, 5365.0, 5379.0, 5599.0, 5533.0, 5448.0, 5396.0, 5587.0, 5554.0, 5572.0, 5288.0, 5393.0, 5421.0, 5302.0, 5352.0, 5349.0, 5285.0, 5710.0, 5419.0, 5490.0, 5389.0, 5582.0, 5337.0, 5291.0, 5576.0, 5630.0, 5441.0, 5657.0, 5683.0, 5256.0, 5679.0, 5544.0, 5651.0, 5463.0, 5471.0, 5374.0, 5320.0, 5585.0, 5454.0, 5468.0, 5372.0, 5411.0, 5309.0, 5675.0, 5266.0, 5607.0, 5273.0, 5719.0, 5362.0, 5470.0, 5714.0 (number of hits: 7)
7	5550	9	1	333	1	5486.0, 5294.0, 5259.0, 5272.0, 5682.0, 5489.0, 5631.0, 5478.0, 5483.0, 5534.0, 5499.0, 5512.0, 5624.0, 5291.0, 5266.0, 5678.0, 5713.0, 5650.0, 5279.0, 5697.0, 5414.0, 5445.0, 5661.0, 5574.0, 5715.0, 5593.0, 5638.0, 5336.0, 5521.0, 5413.0, 5547.0, 5705.0, 5561.0, 5298.0, 5615.0, 5416.0, 5357.0, 5502.0, 5575.0, 5598.0, 5446.0, 5714.0, 5387.0, 5342.0, 5660.0, 5254.0, 5432.0, 5471.0, 5698.0, 5527.0, 5545.0, 5332.0, 5564.0, 5630.0, 5286.0, 5277.0, 5290.0, 5515.0, 5311.0, 5295.0, 5597.0, 5444.0, 5542.0, 5371.0, 5425.0, 5533.0, 5497.0, 5703.0, 5496.0, 5256.0, 5325.0, 5481.0, 5560.0, 5524.0, 5646.0, 5401.0, 5670.0, 5421.0, 5494.0, 5351.0, 5299.0, 5503.0, 5655.0, 5463.0, 5620.0, 5602.0, 5265.0, 5723.0, 5609.0, 5513.0, 5663.0, 5581.0, 5412.0, 5352.0, 5330.0, 5382.0, 5409.0, 5451.0, 5355.0, 5410.0 (number of hits: 8)
8	5550	9	1	333	1	5330.0, 5443.0, 5337.0, 5511.0, 5257.0, 5482.0, 5671.0, 5297.0, 5681.0, 5397.0, 5645.0, 5567.0, 5600.0, 5350.0, 5554.0, 5444.0, 5409.0, 5449.0, 5529.0, 5712.0, 5719.0, 5582.0, 5307.0, 5366.0, 5428.0, 5593.0, 5560.0, 5410.0, 5532.0, 5481.0, 5394.0, 5276.0, 5421.0, 5320.0, 5588.0, 5279.0, 5614.0, 5455.0, 5480.0, 5390.0, 5575.0, 5519.0, 5544.0, 5458.0, 5618.0, 5540.0, 5630.0, 5309.0, 5359.0, 5293.0, 5456.0, 5291.0, 5295.0, 5392.0, 5466.0, 5261.0, 5263.0, 5702.0, 5354.0, 5375.0, 5682.0, 5463.0, 5503.0, 5487.0, 5324.0, 5310.0, 5716.0, 5571.0, 5608.0, 5251.0, 5388.0, 5634.0, 5691.0, 5515.0, 5454.0, 5693.0, 5319.0, 5325.0, 5260.0, 5446.0,

						5437.0, 5557.0, 5661.0, 5322.0, 5666.0, 5411.0, 5684.0, 5371.0, 5269.0, 5513.0, 5497.0, 5576.0, 5548.0, 5264.0, 5720.0, 5393.0, 5514.0, 5368.0, 5374.0, 5492.0 (number of hits: 7)
9	5550	9	1	333	1	5385.0, 5547.0, 5340.0, 5312.0, 5563.0, 5449.0, 5620.0, 5539.0, 5389.0, 5557.0, 5334.0, 5394.0, 5443.0, 5430.0, 5709.0, 5699.0, 5545.0, 5577.0, 5685.0, 5642.0, 5466.0, 5396.0, 5532.0, 5721.0, 5594.0, 5268.0, 5641.0, 5367.0, 5377.0, 5692.0, 5378.0, 5578.0, 5634.0, 5662.0, 5404.0, 5257.0, 5305.0, 5296.0, 5555.0, 5562.0, 5673.0, 5536.0, 5605.0, 5481.0, 5544.0, 5647.0, 5354.0, 5297.0, 5515.0, 5259.0, 5439.0, 5680.0, 5277.0, 5387.0, 5618.0, 5382.0, 5576.0, 5353.0, 5379.0, 5388.0, 5612.0, 5323.0, 5325.0, 5288.0, 5373.0, 5262.0, 5602.0, 5502.0, 5514.0, 5337.0, 5586.0, 5301.0, 5697.0, 5713.0, 5645.0, 5689.0, 5338.0, 5458.0, 5660.0, 5256.0, 5275.0, 5426.0, 5376.0, 5358.0, 5499.0, 5500.0, 5448.0, 5707.0, 5456.0, 5584.0, 5488.0, 5624.0, 5269.0, 5279.0, 5366.0, 5572.0, 5263.0, 5284.0, 5650.0, 5639.0 (number of hits: 6)
10	5550	9	1	333	1	5425.0, 5418.0, 5672.0, 5383.0, 5691.0, 5631.0, 5681.0, 5552.0, 5639.0, 5641.0, 5569.0, 5254.0, 5489.0, 5712.0, 5444.0, 5623.0, 5251.0, 5304.0, 5599.0, 5539.0, 5587.0, 5392.0, 5310.0, 5295.0, 5595.0, 5512.0, 5380.0, 5488.0, 5549.0, 5589.0, 5687.0, 5372.0, 5423.0, 5652.0, 5469.0, 5450.0, 5682.0, 5373.0, 5611.0, 5688.0, 5255.0, 5654.0, 5432.0, 5632.0, 5351.0, 5657.0, 5336.0, 5616.0, 5511.0, 5582.0, 5543.0, 5464.0, 5576.0, 5600.0, 5518.0, 5485.0, 5643.0, 5613.0, 5442.0, 5703.0, 5508.0, 5579.0, 5253.0, 5257.0, 5567.0, 5605.0, 5629.0, 5563.0, 5456.0, 5535.0, 5713.0, 5389.0, 5260.0, 5495.0, 5298.0, 5714.0, 5468.0, 5352.0, 5328.0, 5709.0, 5359.0, 5426.0, 5272.0, 5550.0, 5644.0, 5340.0, 5338.0, 5316.0, 5621.0, 5318.0, 5500.0, 5530.0, 5366.0, 5575.0, 5320.0, 5377.0, 5685.0, 5645.0, 5675.0, 5355.0 (number of hits: 4)
11	5550	9	1	333	1	5462.0, 5446.0, 5321.0, 5621.0, 5622.0, 5560.0, 5689.0, 5253.0, 5537.0, 5356.0, 5592.0, 5271.0, 5287.0, 5491.0, 5591.0, 5360.0, 5559.0, 5399.0, 5471.0, 5601.0, 5376.0, 5696.0, 5350.0, 5371.0, 5545.0, 5258.0, 5521.0, 5337.0, 5492.0, 5650.0, 5357.0, 5620.0, 5617.0, 5576.0, 5550.0, 5265.0, 5709.0, 5579.0, 5652.0, 5466.0, 5616.0, 5496.0, 5594.0, 5473.0, 5723.0,

						5406.0, 5254.0, 5416.0, 5259.0, 5604.0, 5484.0, 5608.0, 5325.0, 5526.0, 5442.0, 5374.0, 5619.0, 5404.0, 5306.0, 5382.0, 5444.0, 5480.0, 5503.0, 5574.0, 5451.0, 5507.0, 5263.0, 5573.0, 5301.0, 5669.0, 5329.0, 5528.0, 5612.0, 5590.0, 5299.0, 5663.0, 5467.0, 5539.0, 5411.0, 5372.0, 5436.0, 5607.0, 5684.0, 5542.0, 5476.0, 5261.0, 5298.0, 5278.0, 5362.0, 5286.0, 5425.0, 5683.0, 5296.0, 5715.0, 5272.0, 5370.0, 5623.0, 5283.0, 5517.0, 5340.0 (number of hits: 7)
12	5550	9	1	333	1	5306.0, 5401.0, 5472.0, 5519.0, 5388.0, 5658.0, 5533.0, 5255.0, 5438.0, 5593.0, 5501.0, 5254.0, 5516.0, 5329.0, 5332.0, 5708.0, 5505.0, 5258.0, 5575.0, 5493.0, 5529.0, 5625.0, 5454.0, 5714.0, 5436.0, 5503.0, 5460.0, 5613.0, 5386.0, 5506.0, 5491.0, 5318.0, 5703.0, 5445.0, 5514.0, 5260.0, 5344.0, 5644.0, 5660.0, 5687.0, 5561.0, 5470.0, 5353.0, 5520.0, 5552.0, 5635.0, 5405.0, 5566.0, 5310.0, 5693.0, 5317.0, 5622.0, 5416.0, 5360.0, 5418.0, 5512.0, 5661.0, 5475.0, 5541.0, 5471.0, 5312.0, 5458.0, 5256.0, 5362.0, 5402.0, 5370.0, 5614.0, 5610.0, 5449.0, 5691.0, 5685.0, 5284.0, 5667.0, 5582.0, 5549.0, 5469.0, 5395.0, 5363.0, 5428.0, 5555.0, 5636.0, 5570.0, 5367.0, 5302.0, 5393.0, 5396.0, 5642.0, 5699.0, 5668.0, 5381.0, 5364.0, 5572.0, 5361.0, 5500.0, 5637.0, 5450.0, 5518.0, 5716.0, 5578.0, 5664.0 (number of hits: 4)
13	5550	9	1	333	1	5721.0, 5476.0, 5450.0, 5651.0, 5625.0, 5699.0, 5258.0, 5708.0, 5415.0, 5403.0, 5308.0, 5544.0, 5456.0, 5349.0, 5390.0, 5559.0, 5462.0, 5284.0, 5265.0, 5425.0, 5448.0, 5616.0, 5484.0, 5538.0, 5626.0, 5561.0, 5348.0, 5285.0, 5367.0, 5622.0, 5435.0, 5653.0, 5264.0, 5380.0, 5334.0, 5384.0, 5376.0, 5505.0, 5373.0, 5273.0, 5578.0, 5533.0, 5270.0, 5645.0, 5566.0, 5495.0, 5588.0, 5428.0, 5640.0, 5591.0, 5719.0, 5310.0, 5567.0, 5303.0, 5693.0, 5682.0, 5449.0, 5467.0, 5525.0, 5418.0, 5515.0, 5585.0, 5615.0, 5468.0, 5724.0, 5612.0, 5323.0, 5287.0, 5542.0, 5444.0, 5654.0, 5571.0, 5320.0, 5700.0, 5396.0, 5485.0, 5647.0, 5500.0, 5312.0, 5673.0, 5409.0, 5356.0, 5331.0, 5395.0, 5511.0, 5491.0, 5383.0, 5433.0, 5319.0, 5617.0, 5494.0, 5272.0, 5345.0, 5280.0, 5581.0, 5404.0, 5583.0, 5512.0, 5324.0, 5254.0 (number of hits: 6)
14	5550	9	1	333	1	5337.0, 5459.0, 5359.0, 5618.0, 5676.0, 5287.0, 5576.0, 5402.0, 5382.0, 5624.0,

						5273.0, 5267.0, 5470.0, 5481.0, 5439.0, 5664.0, 5297.0, 5502.0, 5693.0, 5295.0, 5354.0, 5494.0, 5401.0, 5400.0, 5611.0, 5564.0, 5600.0, 5704.0, 5393.0, 5714.0, 5678.0, 5277.0, 5640.0, 5395.0, 5498.0, 5616.0, 5310.0, 5522.0, 5559.0, 5485.0, 5654.0, 5315.0, 5313.0, 5500.0, 5584.0, 5368.0, 5569.0, 5320.0, 5632.0, 5501.0, 5445.0, 5537.0, 5448.0, 5362.0, 5356.0, 5495.0, 5602.0, 5633.0, 5282.0, 5589.0, 5437.0, 5476.0, 5686.0, 5430.0, 5648.0, 5465.0, 5525.0, 5723.0, 5415.0, 5258.0, 5710.0, 5706.0, 5280.0, 5442.0, 5285.0, 5703.0, 5700.0, 5336.0, 5474.0, 5625.0, 5690.0, 5508.0, 5685.0, 5587.0, 5628.0, 5583.0, 5293.0, 5650.0, 5631.0, 5595.0, 5578.0, 5524.0, 5274.0, 5702.0, 5490.0, 5361.0, 5542.0, 5642.0, 5387.0, 5637.0 (number of hits: 7)
15	5550	9	1	333	1	5501.0, 5593.0, 5340.0, 5507.0, 5341.0, 5524.0, 5460.0, 5423.0, 5331.0, 5375.0, 5705.0, 5587.0, 5688.0, 5274.0, 5412.0, 5272.0, 5592.0, 5456.0, 5600.0, 5464.0, 5576.0, 5652.0, 5298.0, 5396.0, 5434.0, 5251.0, 5323.0, 5319.0, 5497.0, 5506.0, 5518.0, 5392.0, 5263.0, 5379.0, 5495.0, 5440.0, 5481.0, 5458.0, 5418.0, 5598.0, 5355.0, 5306.0, 5334.0, 5462.0, 5540.0, 5296.0, 5528.0, 5404.0, 5387.0, 5611.0, 5321.0, 5302.0, 5672.0, 5676.0, 5399.0, 5690.0, 5261.0, 5398.0, 5451.0, 5474.0, 5630.0, 5314.0, 5386.0, 5420.0, 5303.0, 5500.0, 5472.0, 5437.0, 5681.0, 5365.0, 5308.0, 5649.0, 5597.0, 5578.0, 5561.0, 5590.0, 5366.0, 5504.0, 5357.0, 5508.0, 5644.0, 5562.0, 5543.0, 5704.0, 5642.0, 5436.0, 5260.0, 5591.0, 5555.0, 5459.0, 5487.0, 5701.0, 5364.0, 5631.0, 5329.0, 5589.0, 5483.0, 5445.0, 5639.0, 5406.0 (number of hits: 7)
16	5550	9	1	333	1	5281.0, 5277.0, 5397.0, 5577.0, 5294.0, 5587.0, 5471.0, 5676.0, 5489.0, 5682.0, 5707.0, 5438.0, 5345.0, 5535.0, 5362.0, 5598.0, 5268.0, 5446.0, 5541.0, 5442.0, 5576.0, 5460.0, 5275.0, 5567.0, 5667.0, 5359.0, 5340.0, 5439.0, 5543.0, 5649.0, 5526.0, 5562.0, 5282.0, 5445.0, 5440.0, 5418.0, 5271.0, 5662.0, 5627.0, 5584.0, 5612.0, 5299.0, 5507.0, 5544.0, 5253.0, 5278.0, 5254.0, 5313.0, 5547.0, 5346.0, 5524.0, 5336.0, 5349.0, 5337.0, 5355.0, 5297.0, 5467.0, 5356.0, 5429.0, 5510.0, 5616.0, 5687.0, 5339.0, 5351.0, 5333.0, 5394.0, 5360.0, 5374.0, 5323.0, 5684.0, 5361.0, 5274.0, 5365.0, 5485.0, 5502.0, 5498.0, 5723.0, 5582.0, 5388.0, 5273.0,

						5644.0, 5601.0, 5566.0, 5632.0, 5621.0, 5372.0, 5470.0, 5252.0, 5519.0, 5358.0, 5592.0, 5436.0, 5643.0, 5379.0, 5670.0, 5344.0, 5552.0, 5626.0, 5447.0, 5410.0 (number of hits: 4)
17	5550	9	1	333	1	5324.0, 5264.0, 5258.0, 5522.0, 5292.0, 5317.0, 5691.0, 5298.0, 5655.0, 5254.0, 5650.0, 5658.0, 5394.0, 5355.0, 5476.0, 5369.0, 5721.0, 5338.0, 5554.0, 5373.0, 5720.0, 5312.0, 5528.0, 5601.0, 5576.0, 5540.0, 5467.0, 5481.0, 5386.0, 5500.0, 5698.0, 5510.0, 5287.0, 5328.0, 5621.0, 5572.0, 5347.0, 5538.0, 5265.0, 5395.0, 5687.0, 5286.0, 5478.0, 5351.0, 5335.0, 5490.0, 5684.0, 5626.0, 5623.0, 5361.0, 5679.0, 5653.0, 5416.0, 5350.0, 5294.0, 5608.0, 5668.0, 5670.0, 5593.0, 5356.0, 5314.0, 5492.0, 5549.0, 5352.0, 5396.0, 5499.0, 5464.0, 5305.0, 5534.0, 5425.0, 5717.0, 5707.0, 5306.0, 5326.0, 5271.0, 5591.0, 5657.0, 5297.0, 5333.0, 5444.0, 5527.0, 5573.0, 5618.0, 5595.0, 5278.0, 5272.0, 5475.0, 5693.0, 5471.0, 5325.0, 5569.0, 5712.0, 5269.0, 5463.0, 5523.0, 5354.0, 5507.0, 5410.0, 5472.0, 5345.0 (number of hits: 10)
18	5550	9	1	333	1	5483.0, 5519.0, 5408.0, 5352.0, 5417.0, 5472.0, 5661.0, 5489.0, 5548.0, 5253.0, 5517.0, 5284.0, 5710.0, 5261.0, 5484.0, 5558.0, 5394.0, 5541.0, 5366.0, 5388.0, 5440.0, 5701.0, 5291.0, 5536.0, 5674.0, 5653.0, 5623.0, 5595.0, 5302.0, 5419.0, 5693.0, 5332.0, 5448.0, 5685.0, 5503.0, 5427.0, 5450.0, 5416.0, 5547.0, 5286.0, 5628.0, 5300.0, 5481.0, 5521.0, 5722.0, 5283.0, 5576.0, 5319.0, 5523.0, 5322.0, 5264.0, 5666.0, 5610.0, 5281.0, 5632.0, 5402.0, 5662.0, 5692.0, 5663.0, 5584.0, 5656.0, 5559.0, 5330.0, 5301.0, 5453.0, 5622.0, 5605.0, 5704.0, 5718.0, 5376.0, 5412.0, 5418.0, 5658.0, 5445.0, 5383.0, 5587.0, 5309.0, 5667.0, 5296.0, 5270.0, 5422.0, 5314.0, 5315.0, 5379.0, 5669.0, 5711.0, 5703.0, 5479.0, 5624.0, 5639.0, 5671.0, 5358.0, 5528.0, 5500.0, 5555.0, 5712.0, 5355.0, 5496.0, 5611.0, 5599.0 (number of hits: 8)
19	5550	9	1	333	1	5320.0, 5705.0, 5562.0, 5486.0, 5444.0, 5658.0, 5609.0, 5293.0, 5494.0, 5694.0, 5682.0, 5377.0, 5637.0, 5675.0, 5529.0, 5680.0, 5429.0, 5411.0, 5257.0, 5710.0, 5527.0, 5273.0, 5699.0, 5473.0, 5481.0, 5533.0, 5453.0, 5678.0, 5250.0, 5618.0, 5406.0, 5474.0, 5591.0, 5621.0, 5622.0, 5427.0, 5589.0, 5290.0, 5437.0, 5645.0, 5517.0, 5674.0, 5310.0, 5532.0, 5484.0,

						5451.0, 5604.0, 5358.0, 5263.0, 5424.0, 5571.0, 5521.0, 5485.0, 5538.0, 5654.0, 5332.0, 5395.0, 5488.0, 5723.0, 5663.0, 5425.0, 5389.0, 5464.0, 5361.0, 5431.0, 5608.0, 5505.0, 5496.0, 5489.0, 5352.0, 5685.0, 5281.0, 5379.0, 5670.0, 5542.0, 5507.0, 5360.0, 5719.0, 5514.0, 5683.0, 5567.0, 5462.0, 5583.0, 5569.0, 5535.0, 5695.0, 5599.0, 5665.0, 5510.0, 5347.0, 5345.0, 5511.0, 5714.0, 5477.0, 5585.0, 5677.0, 5442.0, 5512.0, 5355.0, 5596.0 (number of hits: 3)
20	5550	9	1	333	1	5698.0, 5354.0, 5278.0, 5634.0, 5523.0, 5701.0, 5399.0, 5411.0, 5378.0, 5596.0, 5628.0, 5432.0, 5285.0, 5397.0, 5608.0, 5284.0, 5331.0, 5635.0, 5667.0, 5260.0, 5621.0, 5648.0, 5723.0, 5557.0, 5359.0, 5362.0, 5361.0, 5324.0, 5384.0, 5476.0, 5611.0, 5652.0, 5268.0, 5440.0, 5366.0, 5464.0, 5650.0, 5720.0, 5565.0, 5556.0, 5548.0, 5633.0, 5338.0, 5593.0, 5555.0, 5585.0, 5264.0, 5295.0, 5638.0, 5273.0, 5448.0, 5696.0, 5507.0, 5646.0, 5344.0, 5666.0, 5263.0, 5603.0, 5315.0, 5660.0, 5252.0, 5659.0, 5292.0, 5469.0, 5702.0, 5686.0, 5704.0, 5351.0, 5649.0, 5580.0, 5409.0, 5306.0, 5389.0, 5258.0, 5571.0, 5460.0, 5560.0, 5668.0, 5485.0, 5370.0, 5435.0, 5613.0, 5347.0, 5711.0, 5675.0, 5346.0, 5309.0, 5424.0, 5527.0, 5681.0, 5688.0, 5426.0, 5532.0, 5301.0, 5329.0, 5490.0, 5566.0, 5514.0, 5606.0, 5330.0 (number of hits: 6)
21	5550	9	1	333	1	5407.0, 5517.0, 5566.0, 5460.0, 5270.0, 5432.0, 5710.0, 5721.0, 5487.0, 5365.0, 5293.0, 5421.0, 5415.0, 5360.0, 5340.0, 5480.0, 5424.0, 5661.0, 5492.0, 5482.0, 5338.0, 5374.0, 5495.0, 5470.0, 5712.0, 5695.0, 5437.0, 5351.0, 5523.0, 5375.0, 5315.0, 5619.0, 5453.0, 5644.0, 5571.0, 5386.0, 5274.0, 5505.0, 5593.0, 5300.0, 5705.0, 5436.0, 5617.0, 5623.0, 5332.0, 5420.0, 5431.0, 5288.0, 5488.0, 5707.0, 5283.0, 5651.0, 5500.0, 5464.0, 5380.0, 5423.0, 5292.0, 5401.0, 5494.0, 5417.0, 5720.0, 5277.0, 5639.0, 5331.0, 5342.0, 5716.0, 5700.0, 5447.0, 5625.0, 5499.0, 5473.0, 5458.0, 5640.0, 5273.0, 5430.0, 5698.0, 5674.0, 5412.0, 5581.0, 5371.0, 5428.0, 5266.0, 5560.0, 5330.0, 5319.0, 5597.0, 5516.0, 5552.0, 5262.0, 5680.0, 5587.0, 5263.0, 5252.0, 5553.0, 5493.0, 5316.0, 5478.0, 5533.0, 5714.0, 5280.0 (number of hits: 4)
22	5550	9	1	333	1	5687.0, 5641.0, 5426.0, 5323.0, 5439.0, 5455.0, 5654.0, 5688.0, 5539.0, 5597.0,

						5445.0, 5667.0, 5252.0, 5633.0, 5560.0, 5642.0, 5326.0, 5479.0, 5444.0, 5567.0, 5648.0, 5425.0, 5345.0, 5587.0, 5322.0, 5297.0, 5391.0, 5320.0, 5571.0, 5576.0, 5269.0, 5436.0, 5599.0, 5287.0, 5657.0, 5404.0, 5336.0, 5457.0, 5704.0, 5382.0, 5309.0, 5689.0, 5512.0, 5300.0, 5368.0, 5374.0, 5605.0, 5342.0, 5538.0, 5584.0, 5264.0, 5562.0, 5390.0, 5563.0, 5333.0, 5635.0, 5519.0, 5486.0, 5392.0, 5568.0, 5293.0, 5606.0, 5359.0, 5608.0, 5274.0, 5711.0, 5676.0, 5694.0, 5596.0, 5693.0, 5569.0, 5668.0, 5529.0, 5427.0, 5524.0, 5353.0, 5412.0, 5350.0, 5659.0, 5714.0, 5604.0, 5619.0, 5469.0, 5329.0, 5327.0, 5461.0, 5501.0, 5315.0, 5420.0, 5395.0, 5263.0, 5542.0, 5506.0, 5710.0, 5564.0, 5386.0, 5460.0, 5398.0, 5357.0, 5302.0 (number of hits: 6)
23	5550	9	1	333	1	5527.0, 5368.0, 5511.0, 5362.0, 5297.0, 5622.0, 5351.0, 5447.0, 5670.0, 5630.0, 5374.0, 5531.0, 5718.0, 5506.0, 5471.0, 5626.0, 5274.0, 5594.0, 5681.0, 5520.0, 5698.0, 5450.0, 5685.0, 5270.0, 5277.0, 5463.0, 5684.0, 5552.0, 5399.0, 5667.0, 5438.0, 5325.0, 5279.0, 5308.0, 5421.0, 5669.0, 5501.0, 5546.0, 5422.0, 5363.0, 5394.0, 5544.0, 5699.0, 5639.0, 5551.0, 5322.0, 5437.0, 5414.0, 5296.0, 5390.0, 5632.0, 5502.0, 5263.0, 5424.0, 5649.0, 5478.0, 5314.0, 5443.0, 5338.0, 5435.0, 5671.0, 5576.0, 5468.0, 5484.0, 5633.0, 5701.0, 5654.0, 5559.0, 5648.0, 5495.0, 5642.0, 5444.0, 5302.0, 5488.0, 5404.0, 5268.0, 5537.0, 5500.0, 5599.0, 5712.0, 5429.0, 5389.0, 5262.0, 5497.0, 5397.0, 5611.0, 5364.0, 5646.0, 5458.0, 5473.0, 5359.0, 5432.0, 5703.0, 5652.0, 5405.0, 5491.0, 5607.0, 5393.0, 5371.0, 5266.0 (number of hits: 5)
24	5550	9	1	333	1	5596.0, 5698.0, 5251.0, 5369.0, 5480.0, 5261.0, 5275.0, 5535.0, 5554.0, 5707.0, 5353.0, 5406.0, 5715.0, 5650.0, 5388.0, 5290.0, 5487.0, 5544.0, 5555.0, 5562.0, 5322.0, 5415.0, 5430.0, 5277.0, 5667.0, 5694.0, 5298.0, 5463.0, 5531.0, 5268.0, 5692.0, 5270.0, 5274.0, 5479.0, 5574.0, 5655.0, 5539.0, 5307.0, 5626.0, 5370.0, 5340.0, 5645.0, 5373.0, 5417.0, 5337.0, 5375.0, 5570.0, 5598.0, 5435.0, 5436.0, 5612.0, 5509.0, 5508.0, 5653.0, 5512.0, 5458.0, 5473.0, 5257.0, 5526.0, 5514.0, 5481.0, 5610.0, 5411.0, 5457.0, 5679.0, 5405.0, 5392.0, 5670.0, 5377.0, 5532.0, 5664.0, 5461.0, 5382.0, 5297.0, 5301.0, 5549.0, 5309.0, 5399.0, 5332.0, 5638.0,

						5407.0, 5709.0, 5582.0, 5401.0, 5588.0, 5294.0, 5662.0, 5284.0, 5273.0, 5548.0, 5571.0, 5303.0, 5699.0, 5710.0, 5611.0, 5404.0, 5567.0, 5460.0, 5597.0, 5605.0 (number of hits: 8)
25	5550	9	1	333	1	5444.0, 5534.0, 5527.0, 5659.0, 5575.0, 5456.0, 5260.0, 5403.0, 5678.0, 5509.0, 5467.0, 5602.0, 5470.0, 5662.0, 5325.0, 5381.0, 5544.0, 5493.0, 5553.0, 5646.0, 5551.0, 5331.0, 5569.0, 5694.0, 5375.0, 5666.0, 5691.0, 5545.0, 5710.0, 5491.0, 5437.0, 5684.0, 5266.0, 5685.0, 5500.0, 5477.0, 5709.0, 5415.0, 5343.0, 5345.0, 5720.0, 5251.0, 5315.0, 5280.0, 5329.0, 5582.0, 5364.0, 5269.0, 5561.0, 5524.0, 5498.0, 5609.0, 5463.0, 5425.0, 5401.0, 5680.0, 5627.0, 5632.0, 5296.0, 5478.0, 5368.0, 5426.0, 5715.0, 5654.0, 5338.0, 5492.0, 5537.0, 5481.0, 5305.0, 5535.0, 5358.0, 5628.0, 5701.0, 5254.0, 5549.0, 5683.0, 5414.0, 5332.0, 5317.0, 5721.0, 5430.0, 5468.0, 5528.0, 5279.0, 5548.0, 5613.0, 5596.0, 5304.0, 5690.0, 5568.0, 5669.0, 5277.0, 5526.0, 5604.0, 5714.0, 5272.0, 5411.0, 5459.0, 5707.0, 5299.0 (number of hits: 4)
26	5550	9	1	333	1	5603.0, 5410.0, 5680.0, 5287.0, 5556.0, 5342.0, 5284.0, 5664.0, 5447.0, 5283.0, 5613.0, 5632.0, 5592.0, 5652.0, 5251.0, 5260.0, 5607.0, 5678.0, 5332.0, 5604.0, 5645.0, 5413.0, 5291.0, 5400.0, 5363.0, 5317.0, 5610.0, 5640.0, 5673.0, 5533.0, 5321.0, 5324.0, 5367.0, 5545.0, 5528.0, 5621.0, 5572.0, 5484.0, 5591.0, 5721.0, 5547.0, 5598.0, 5382.0, 5298.0, 5478.0, 5396.0, 5627.0, 5265.0, 5348.0, 5294.0, 5653.0, 5588.0, 5372.0, 5542.0, 5566.0, 5647.0, 5520.0, 5693.0, 5546.0, 5497.0, 5437.0, 5343.0, 5718.0, 5425.0, 5261.0, 5634.0, 5407.0, 5500.0, 5426.0, 5408.0, 5434.0, 5687.0, 5675.0, 5477.0, 5299.0, 5597.0, 5564.0, 5385.0, 5322.0, 5303.0, 5440.0, 5722.0, 5493.0, 5386.0, 5398.0, 5534.0, 5660.0, 5409.0, 5555.0, 5633.0, 5532.0, 5371.0, 5361.0, 5684.0, 5326.0, 5403.0, 5701.0, 5254.0, 5460.0, 5578.0 (number of hits: 6)
27	5550	9	1	333	1	5324.0, 5640.0, 5611.0, 5655.0, 5484.0, 5539.0, 5520.0, 5673.0, 5296.0, 5379.0, 5584.0, 5686.0, 5572.0, 5659.0, 5289.0, 5469.0, 5599.0, 5346.0, 5406.0, 5344.0, 5479.0, 5509.0, 5347.0, 5252.0, 5453.0, 5267.0, 5317.0, 5257.0, 5566.0, 5650.0, 5318.0, 5505.0, 5492.0, 5506.0, 5402.0, 5567.0, 5583.0, 5568.0, 5632.0, 5259.0, 5633.0, 5654.0, 5472.0, 5480.0, 5487.0,

						5629.0, 5333.0, 5409.0, 5635.0, 5331.0, 5281.0, 5701.0, 5435.0, 5585.0, 5387.0, 5683.0, 5528.0, 5301.0, 5587.0, 5501.0, 5548.0, 5445.0, 5606.0, 5642.0, 5286.0, 5260.0, 5394.0, 5382.0, 5496.0, 5377.0, 5627.0, 5283.0, 5447.0, 5646.0, 5510.0, 5304.0, 5575.0, 5651.0, 5536.0, 5643.0, 5295.0, 5303.0, 5399.0, 5478.0, 5269.0, 5323.0, 5468.0, 5385.0, 5372.0, 5423.0, 5463.0, 5607.0, 5307.0, 5265.0, 5273.0, 5721.0, 5268.0, 5672.0, 5433.0, 5653.0 (number of hits: 8)
28	5550	9	1	333	1	5705.0, 5578.0, 5584.0, 5669.0, 5701.0, 5693.0, 5348.0, 5400.0, 5366.0, 5442.0, 5568.0, 5305.0, 5561.0, 5419.0, 5299.0, 5639.0, 5476.0, 5676.0, 5600.0, 5310.0, 5480.0, 5290.0, 5286.0, 5267.0, 5416.0, 5555.0, 5401.0, 5258.0, 5353.0, 5666.0, 5263.0, 5256.0, 5574.0, 5604.0, 5514.0, 5675.0, 5678.0, 5364.0, 5278.0, 5465.0, 5266.0, 5681.0, 5405.0, 5583.0, 5251.0, 5659.0, 5503.0, 5484.0, 5577.0, 5385.0, 5272.0, 5410.0, 5498.0, 5571.0, 5336.0, 5362.0, 5592.0, 5696.0, 5517.0, 5319.0, 5668.0, 5448.0, 5567.0, 5711.0, 5468.0, 5720.0, 5477.0, 5650.0, 5479.0, 5354.0, 5409.0, 5673.0, 5687.0, 5640.0, 5530.0, 5293.0, 5505.0, 5314.0, 5350.0, 5292.0, 5545.0, 5268.0, 5478.0, 5333.0, 5700.0, 5490.0, 5598.0, 5686.0, 5422.0, 5457.0, 5384.0, 5309.0, 5311.0, 5434.0, 5721.0, 5340.0, 5387.0, 5291.0, 5496.0, 5585.0 (number of hits: 11)
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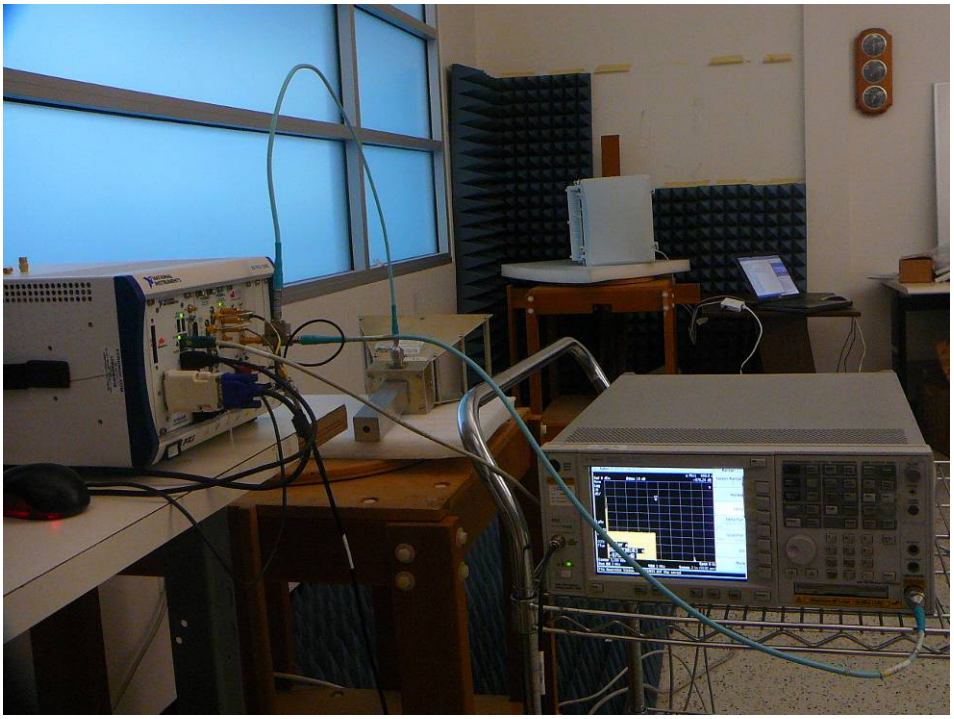
30	5550	9	1	333	1	5646.0, 5408.0, 5448.0, 5301.0, 5403.0, 5577.0, 5412.0, 5484.0, 5588.0, 5377.0,

						5612.0, 5619.0, 5597.0, 5502.0, 5529.0, 5295.0, 5494.0, 5649.0, 5298.0, 5288.0, 5543.0, 5570.0, 5682.0, 5411.0, 5435.0, 5681.0, 5656.0, 5579.0, 5639.0, 5297.0, 5445.0, 5662.0, 5383.0, 5344.0, 5322.0, 5310.0, 5471.0, 5352.0, 5555.0, 5294.0, 5398.0, 5627.0, 5641.0, 5279.0, 5302.0, 5430.0, 5286.0, 5400.0, 5718.0, 5530.0, 5590.0, 5572.0, 5392.0, 5642.0, 5327.0, 5547.0, 5607.0, 5637.0, 5636.0, 5666.0, 5284.0, 5486.0, 5415.0, 5660.0, 5511.0, 5565.0, 5314.0, 5605.0, 5450.0, 5460.0, 5553.0, 5651.0, 5688.0, 5268.0, 5306.0, 5259.0, 5451.0, 5708.0, 5418.0, 5623.0, 5712.0, 5313.0, 5464.0, 5531.0, 5368.0, 5594.0, 5634.0, 5446.0, 5585.0, 5250.0, 5677.0, 5568.0, 5379.0, 5307.0, 5549.0, 5388.0, 5373.0, 5507.0, 5528.0, 5499.0 (number of hits: 13)

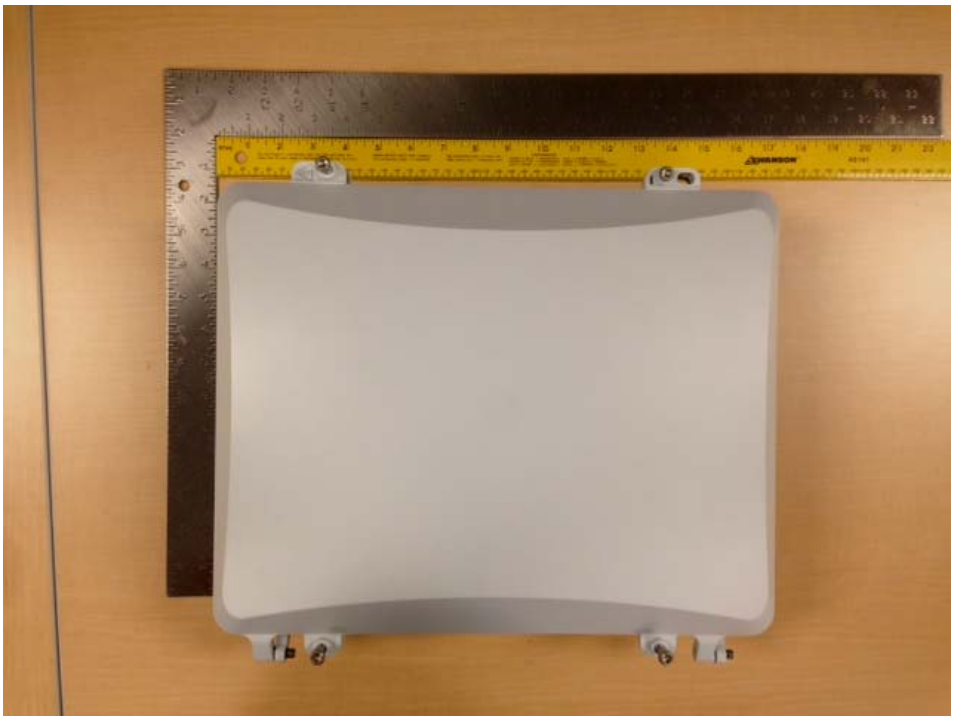
10 Appendix A – Test Setup Photographs

10.1 DFS Setup View



11 Appendix B - EUT Photographs

11.1 EUT – Front View



11.2 EUT – Side (1) View

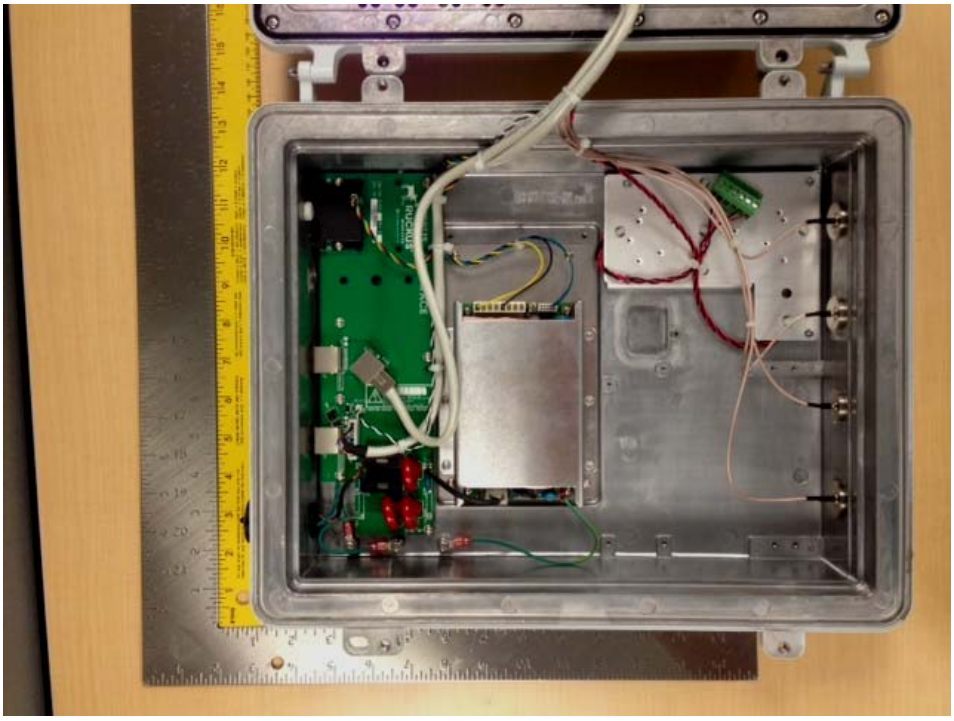
11.3 EUT – Bottom View

11.4 EUT – Top Side View

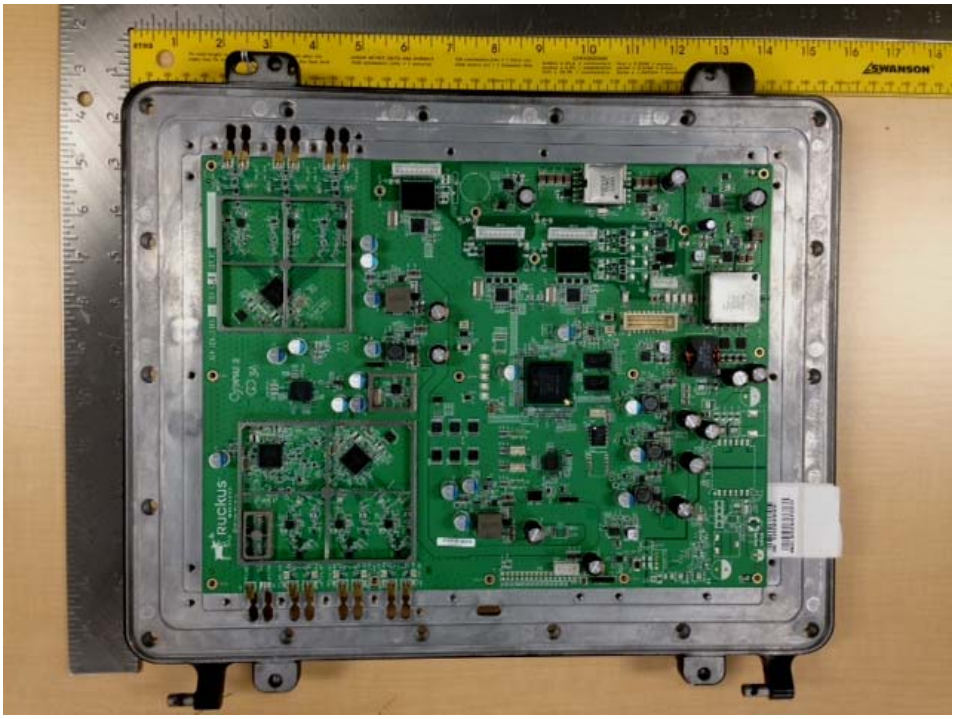
11.5 EUT – Side (2) View

11.6 EUT – Rear View

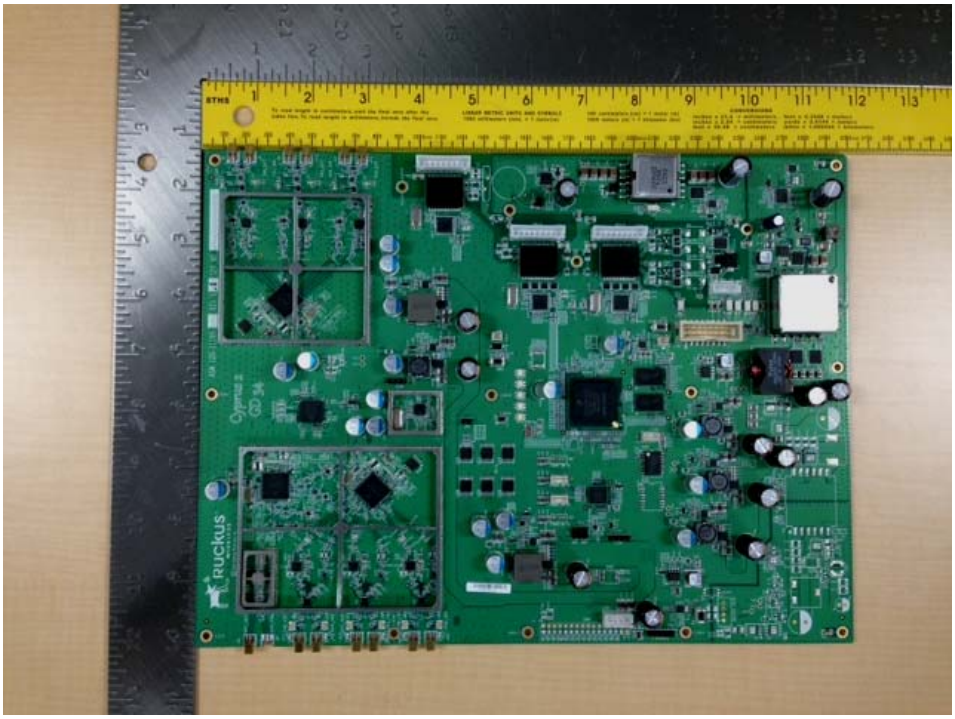
11.7 EUT – Open Case



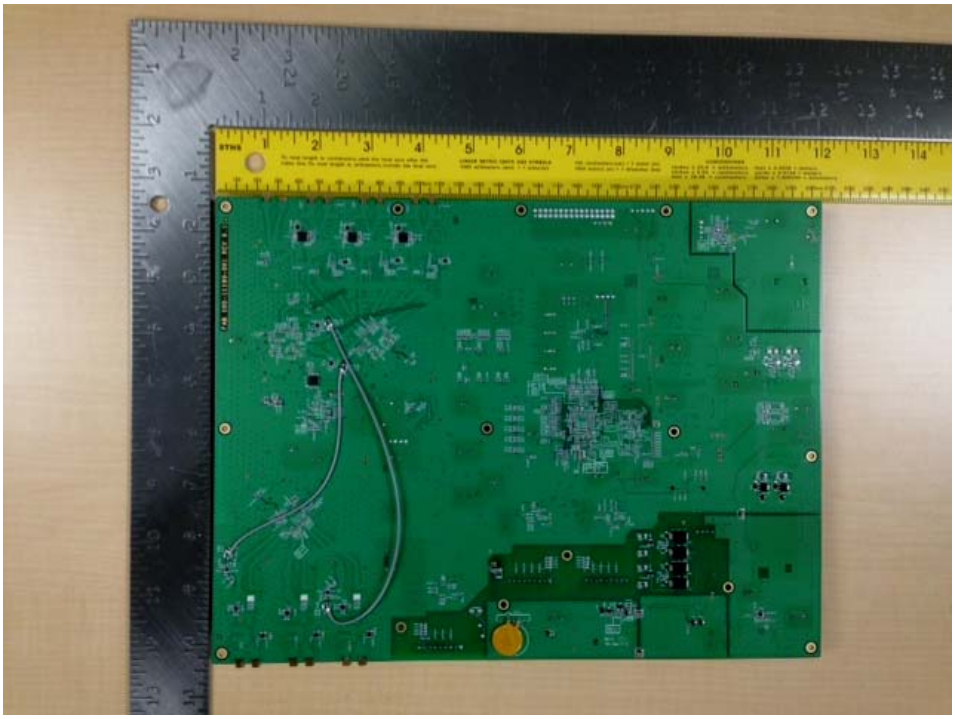
11.8 EUT – Motherboard Attached to Door View



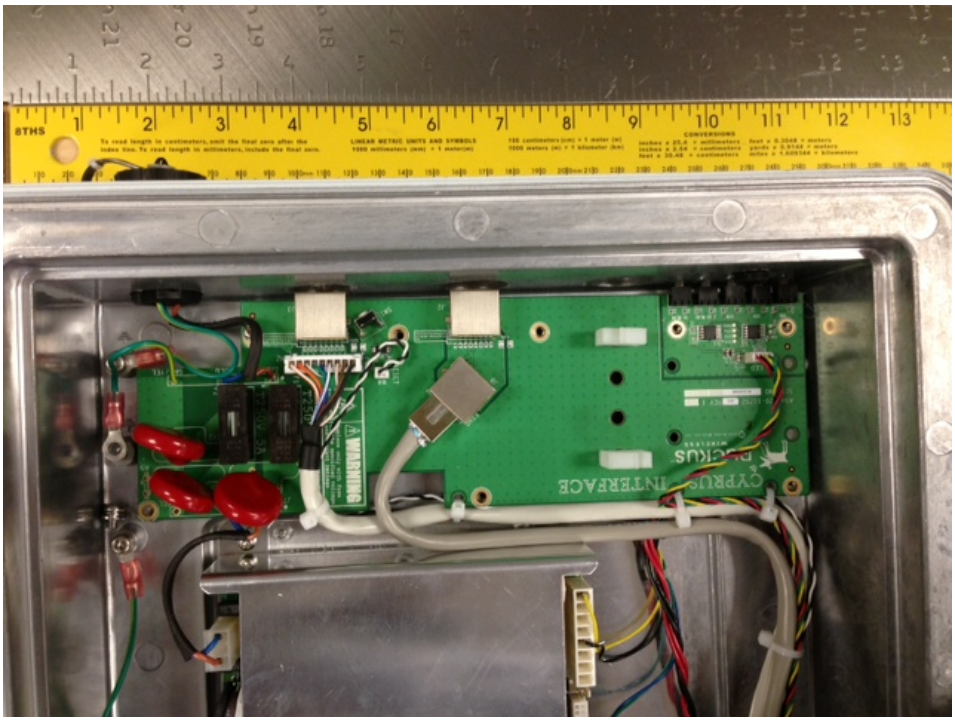
11.9 EUT – Motherboard Top View



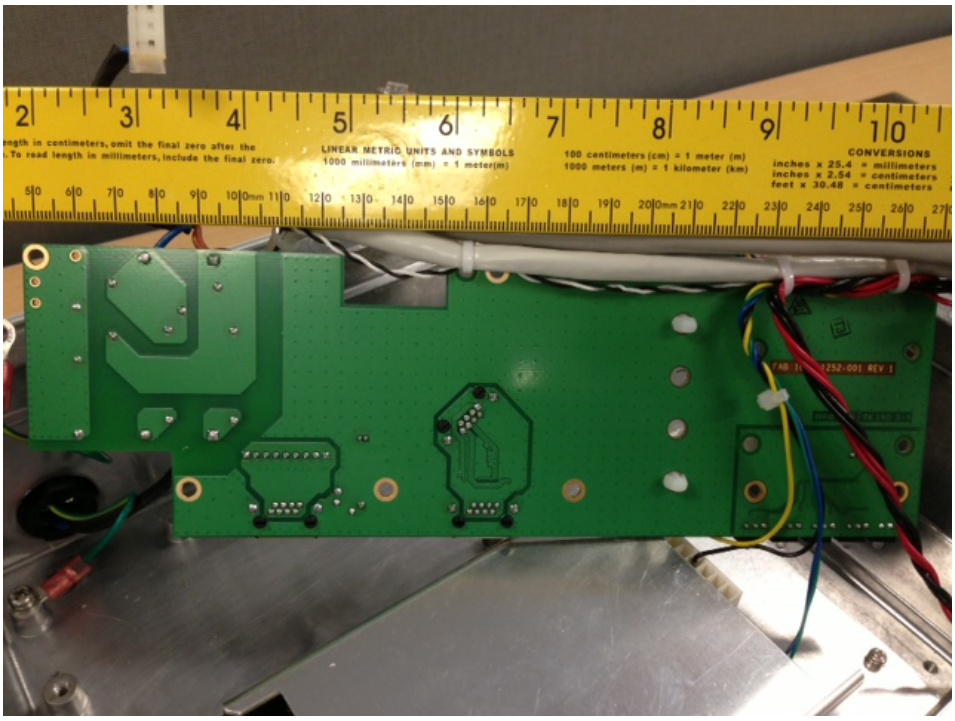
11.10 EUT – Motherboard Bottom View



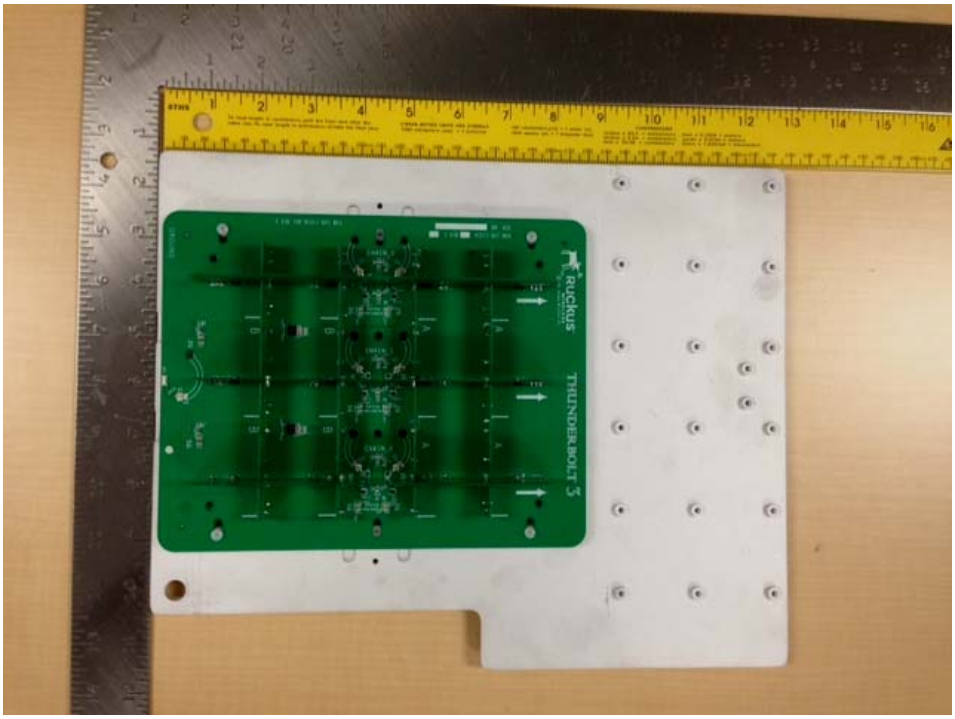
11.11 EUT – Interface Board Top View



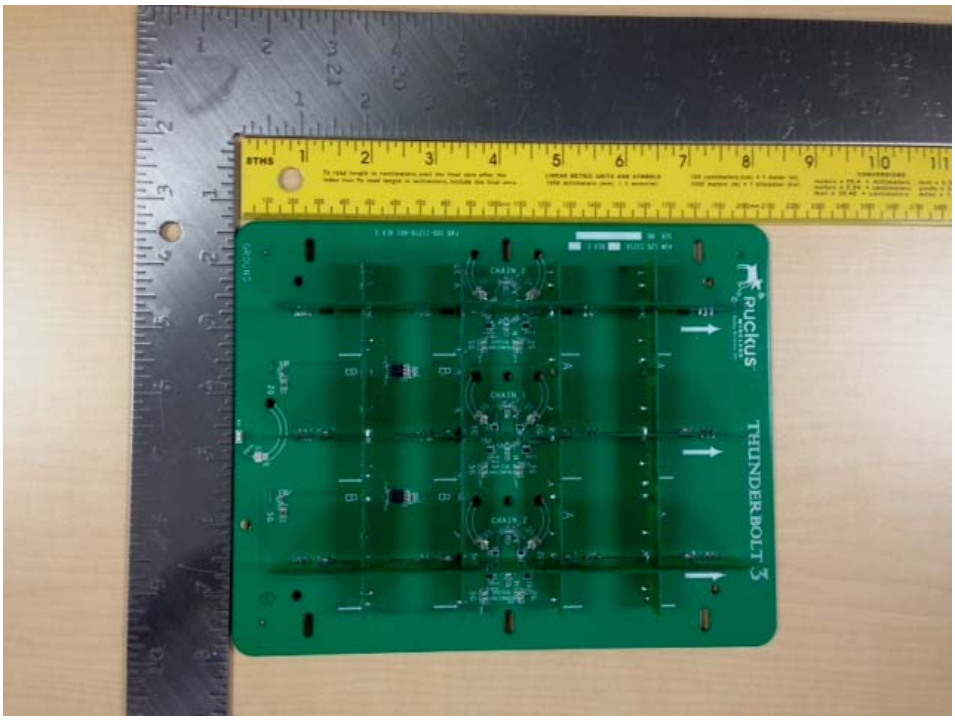
11.12 EUT – Interface Board Top View



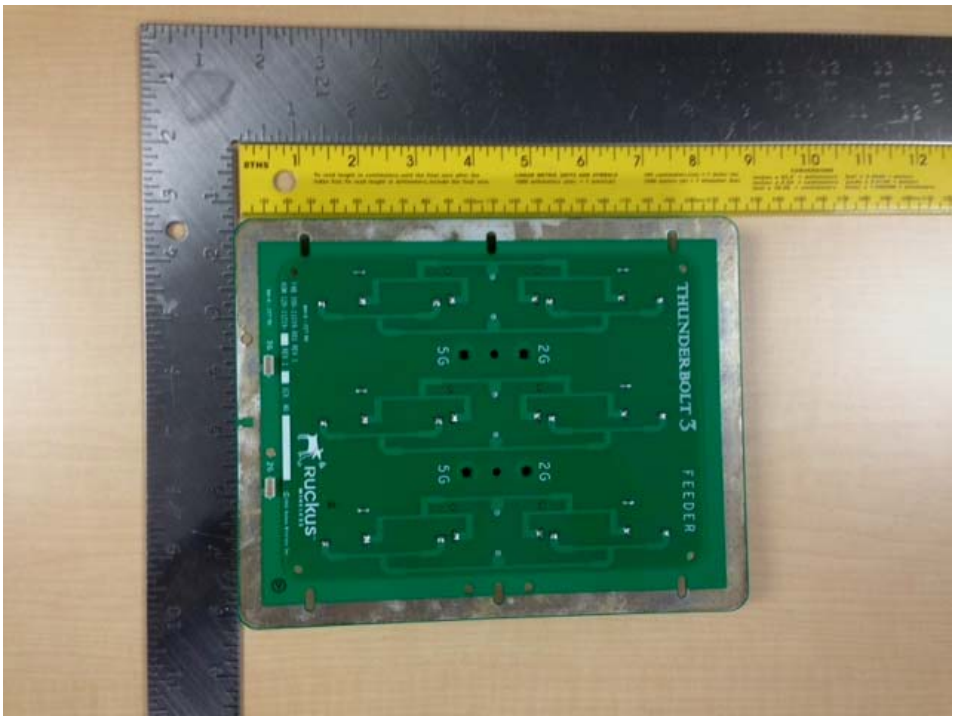
11.13 EUT – Antenna Mounted view



11.14 EUT – Antenna top view



11.15 EUT – Antenna bottom view



11.16 EUT – POE View

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