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: S9G-MPE5N33A

Report Type:	**Product Type:**
CIIPC Report	802.11 a/n Wireless Module

Test Engineers:	Bo Li
Report Number:	R1504012-DFS
Report Date:	2016-02-12
Reviewed By:	Simon Ma
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1504012-DFS	CIIPC Report	2016-02-12

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report has been compiled on behalf of *Ruckus Wireless, Inc.* and their product, *FCC ID: S9G-MPE5N33A*, model number: MPE5N33A, which henceforth is referred to as the EUT (Equipment under Test.) The EUT is a 5 GHz 802.11a/n wireless module.

1.2 Mechanical Description of EUT

The "EUT" measures approximately *6.9cm (L) x 3.9cm (W) x 1.190cm (H)*, and weighs approximately *16* g.

The test data gathered are from typical production sample, serial number: R1504012-01 provided by BACL.

1.3 Objective

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

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

1.4 Related Submittal(s)/Grant(s)

FCC ID: S9G-MPE5N33A, which granted on September 24th, 2012.

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

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

1.6 Test Facility

Bay Area Compliance Laboratories Corp. (BACL) is:

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

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

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

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

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

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

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

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

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

2 EUT Test Configuration

2.1 Justification

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

2.2 EUT Exercise Software

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

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E5420	CHZCMQ1

2.5 EUT Internal Configuration Details

N/A

2.6 Interface Ports and Cables

Cable Description	Length (m)	To	From
RJ45 Cable	<1.0	Laptop	EUT

3 Summary of Test Results

The following result table represents the list of measurements required under the CFR47 §47 Part15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02. This report is to update from KDB: 905462 D01 UNII DFS Compliance Procedures Old rules v01 to KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

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

Note[1]: Share data with original application report results. (FCC ID: S9G-MPE5N33A)

4 Applicable Standards

4.1 DFS Requirement

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

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

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

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

Table 4: DFS Response Requirement Values

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

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

Table 5: Short Pulse Radar Test Waveforms

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

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

Table 6: Long Pulse Radar Test Signal

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

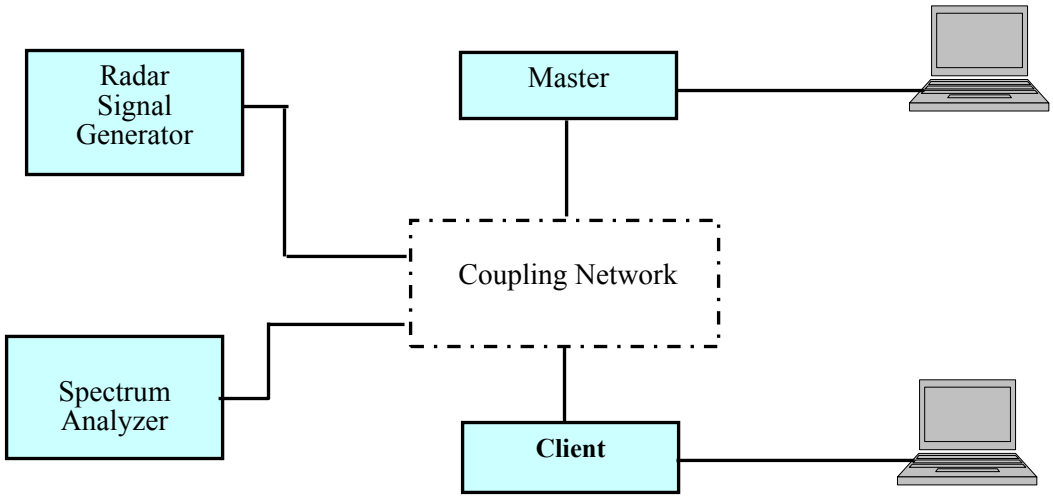
Table 7: Frequency Hopping Radar Test Signal

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

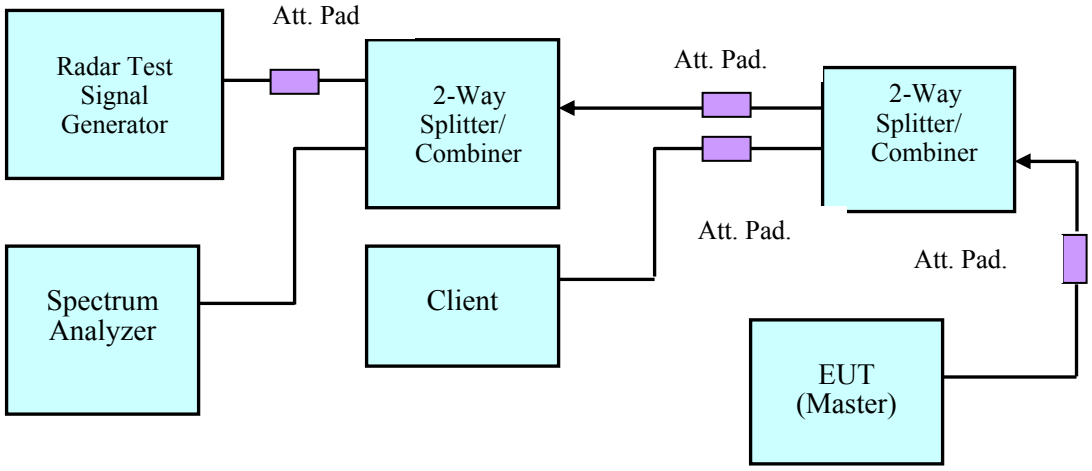
4.2 DFS Measurement System

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

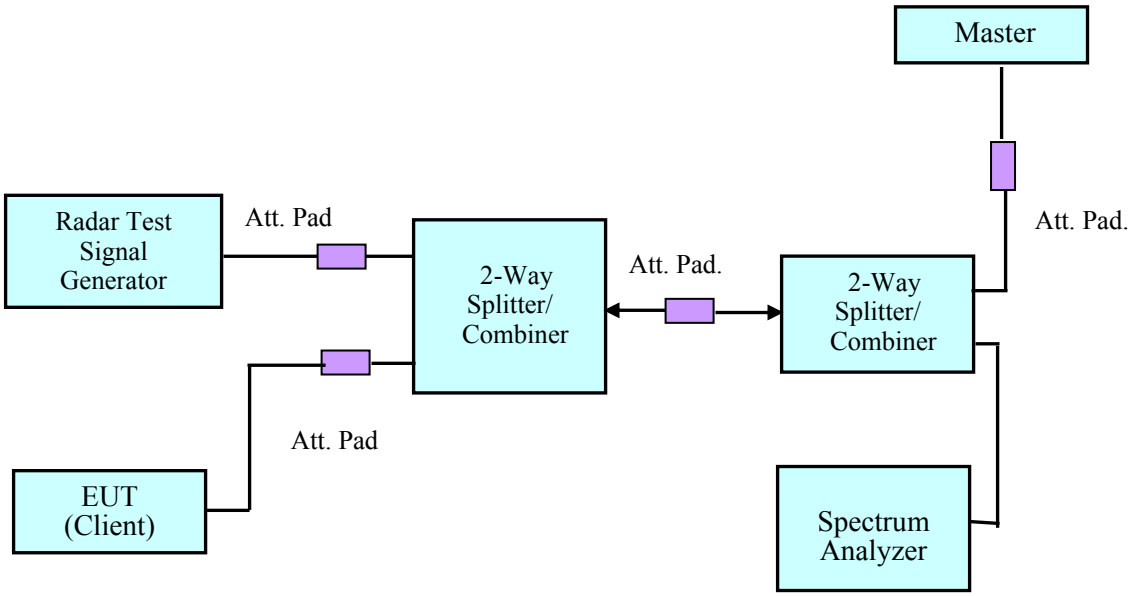
4.3 System Block Diagram



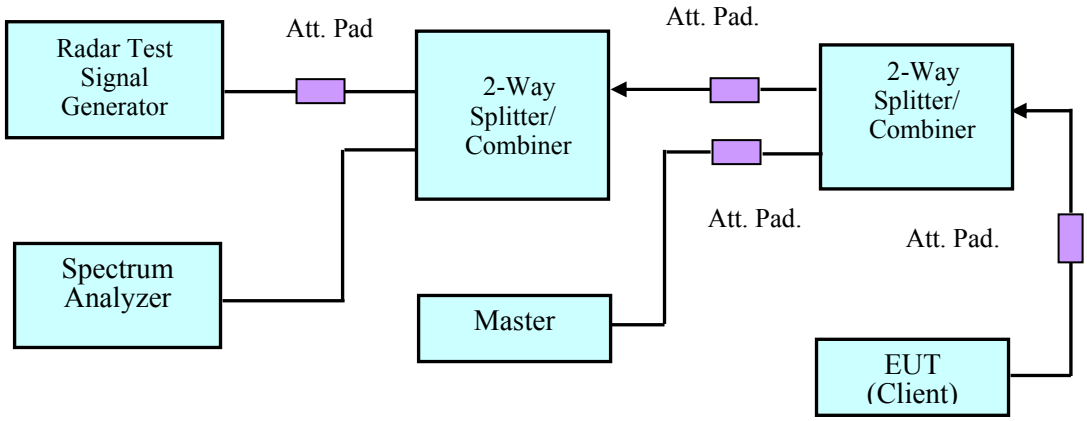
4.4 Conducted Method



Setup for Master with injection at the Master

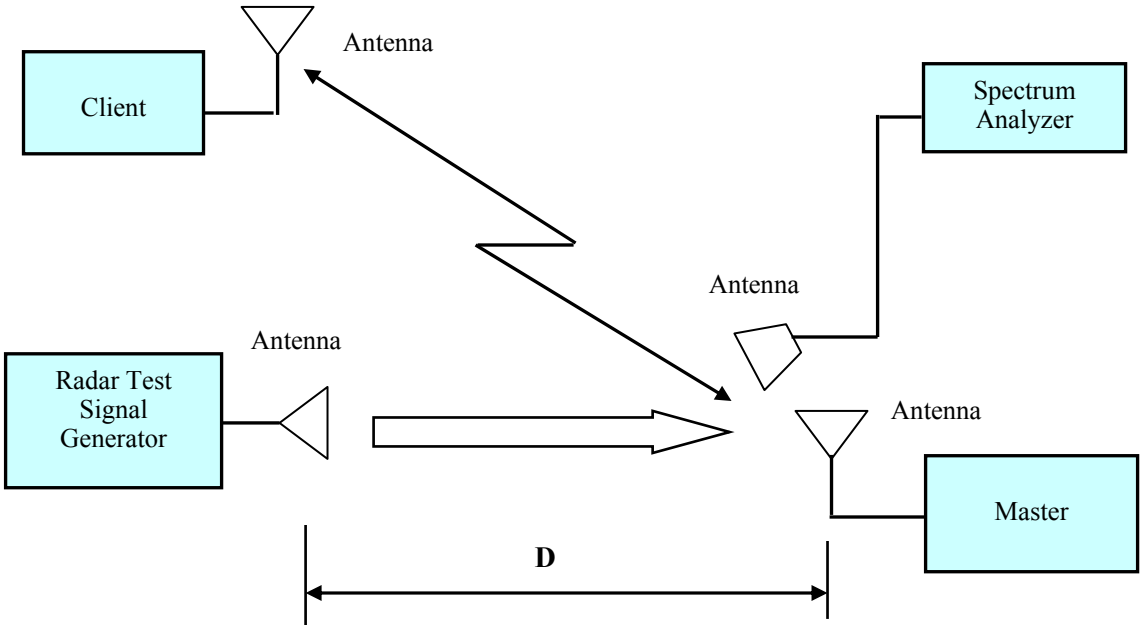


Setup for Client with injection at the Master



Setup for Client with injection at the Client

4.5 Radiated Method



4.6 Test Procedure

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

5 Test Results

5.1 Description of EUT

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

The rated output power of EUT is < 23 dBm (EIRP), the power density is > 10dBm, Therefore the required interference threshold level is -64 dBm, the required radiated threshold at antenna port is -64 dBm.

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

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

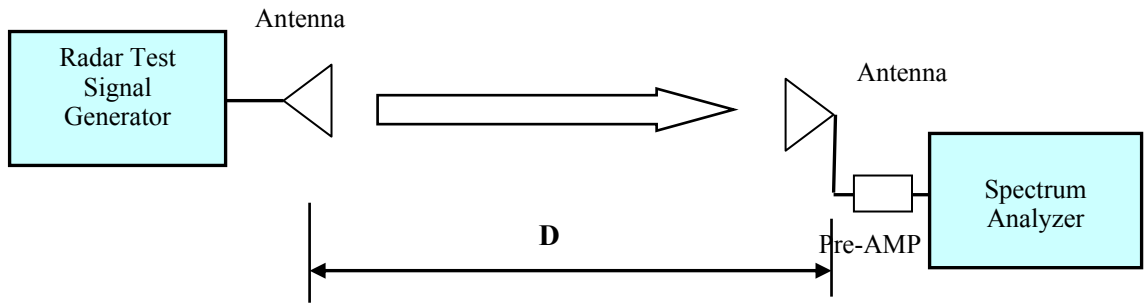
The EUT was tested with the 3 dBi gain antenna.

5.2 Test Equipment List and Details

Manufacturer	Equipment Description	Model	Calibration Date	Calibration Interval
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	N/A	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	2015-10-16	1 year
A.R.A.	Antenna Horn	DRG-118/A	2015-01-29	1 year
EMCO	Antenna Horn	3115	2015-10-17	1 year
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	N/A	N/A
Narda	Splitter/Combiner	4326B-2	N/A	N/A
Midwest	Attenuator	290-30	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A

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

5.3 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.4 Test Environmental Conditions

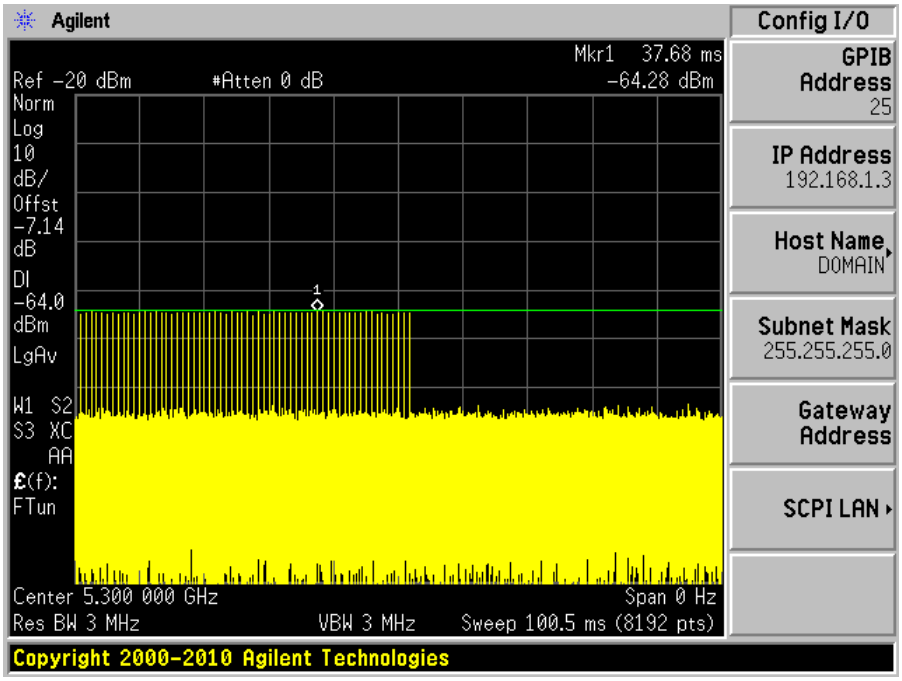
Temperature:	22° C
Relative Humidity:	45 %
ATM Pressure:	101.9 kPa

The testing was performed by Bo Li on 2015-10-27 at DFS testing site.

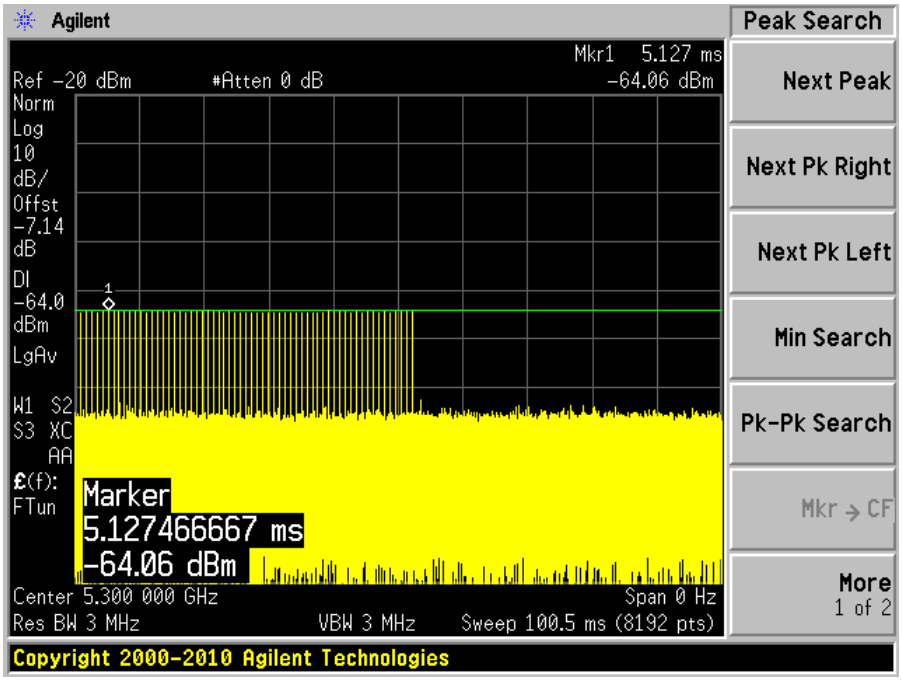
Plots of Radar Waveforms

5300 MHz

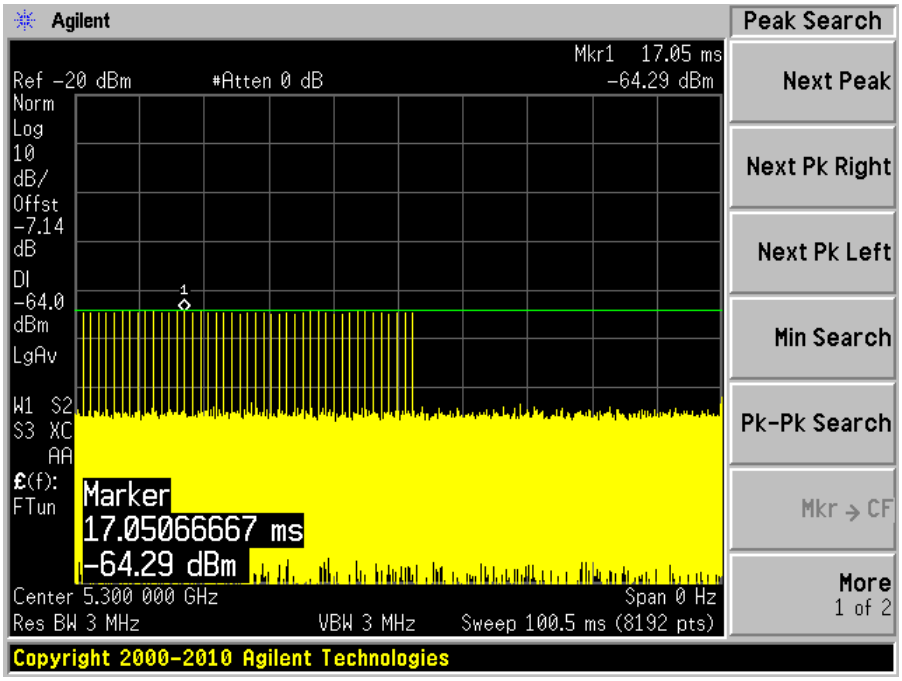
Radar Type 0



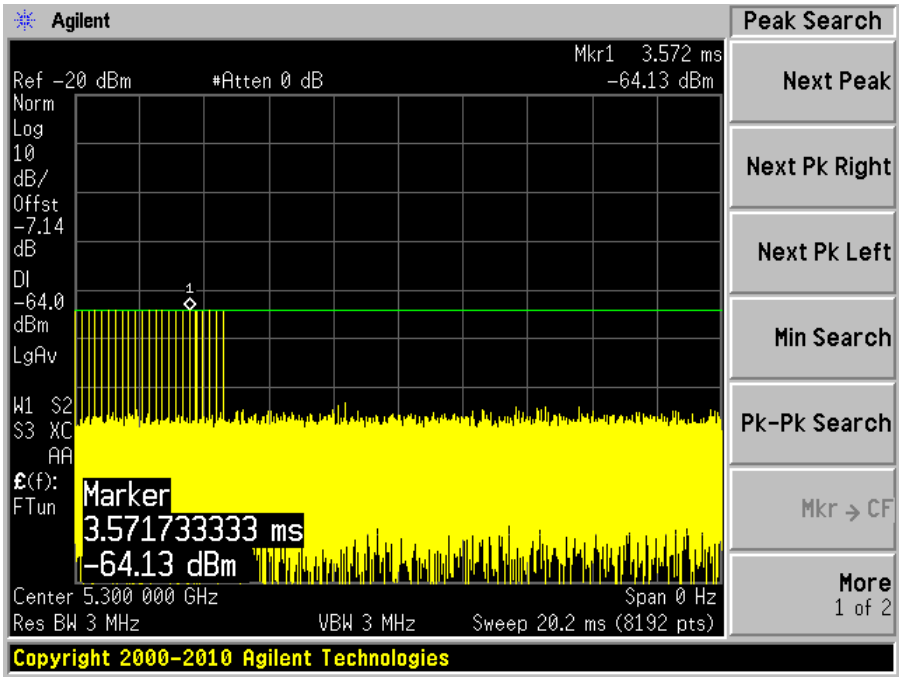
Radar Type 1A



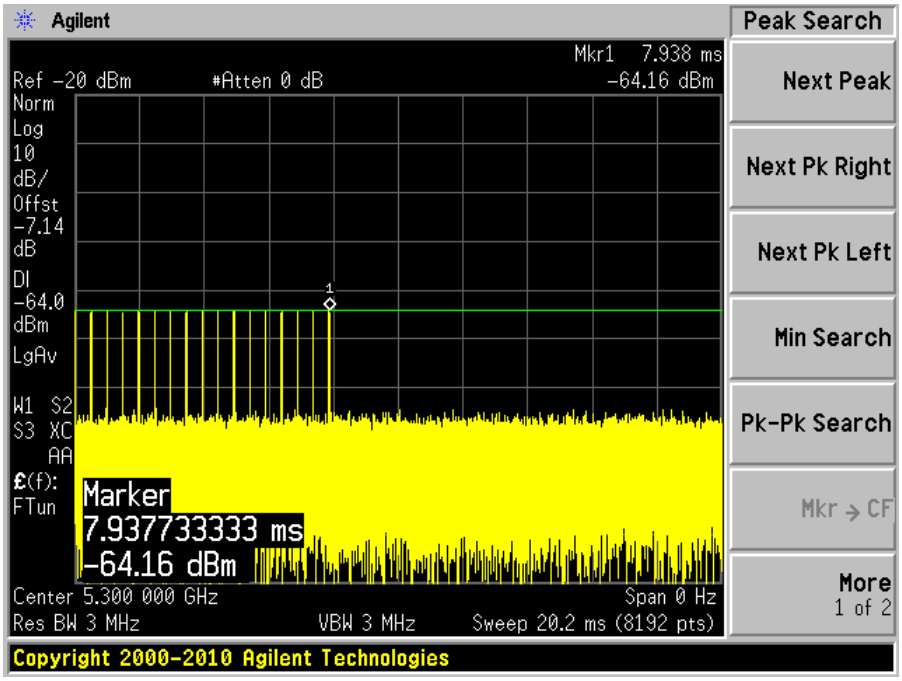
Radar Type 1B



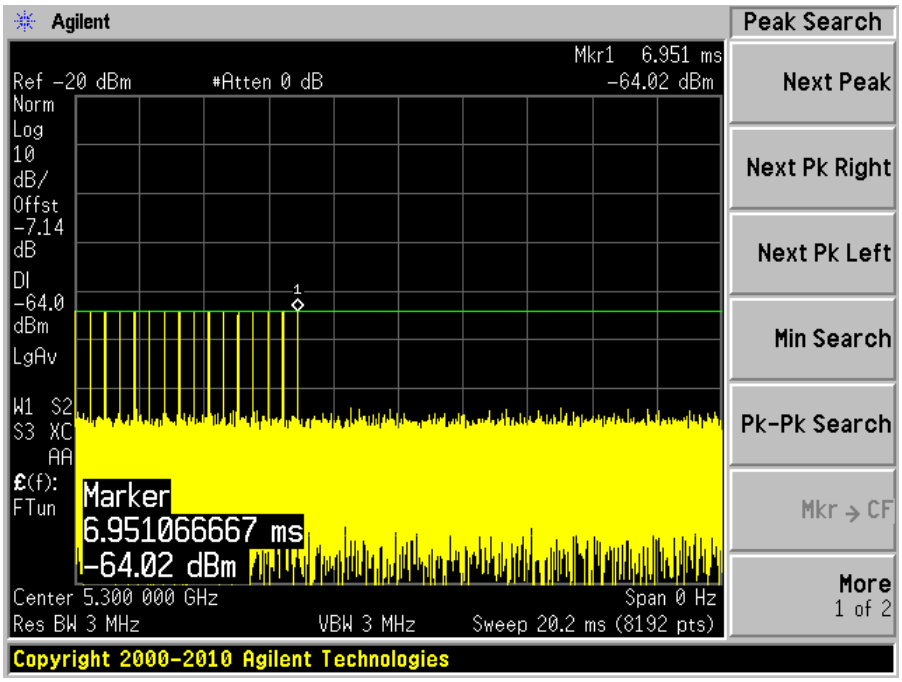
Radar Type 2



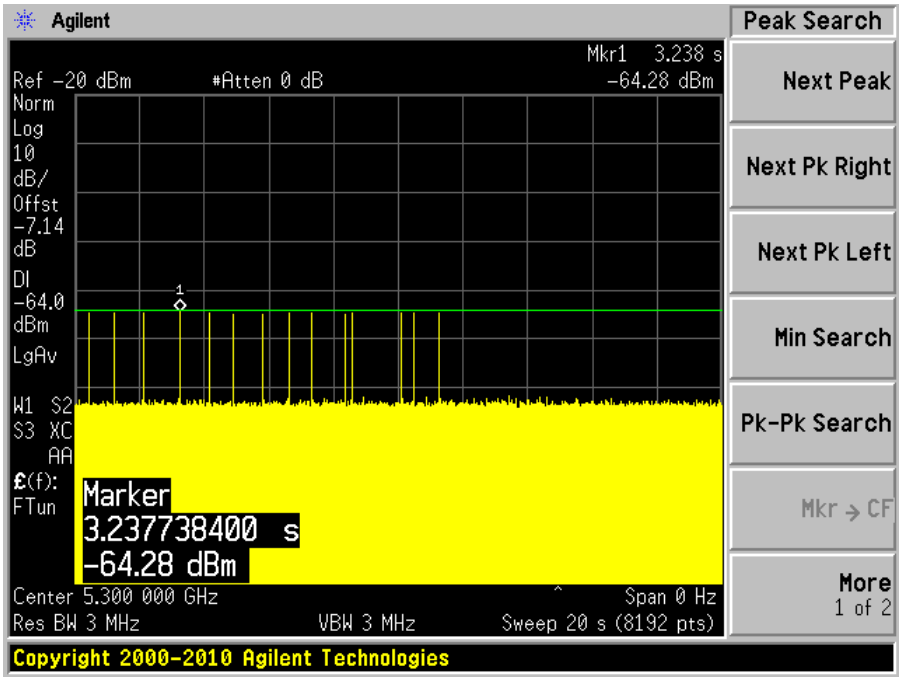
Radar Type 3



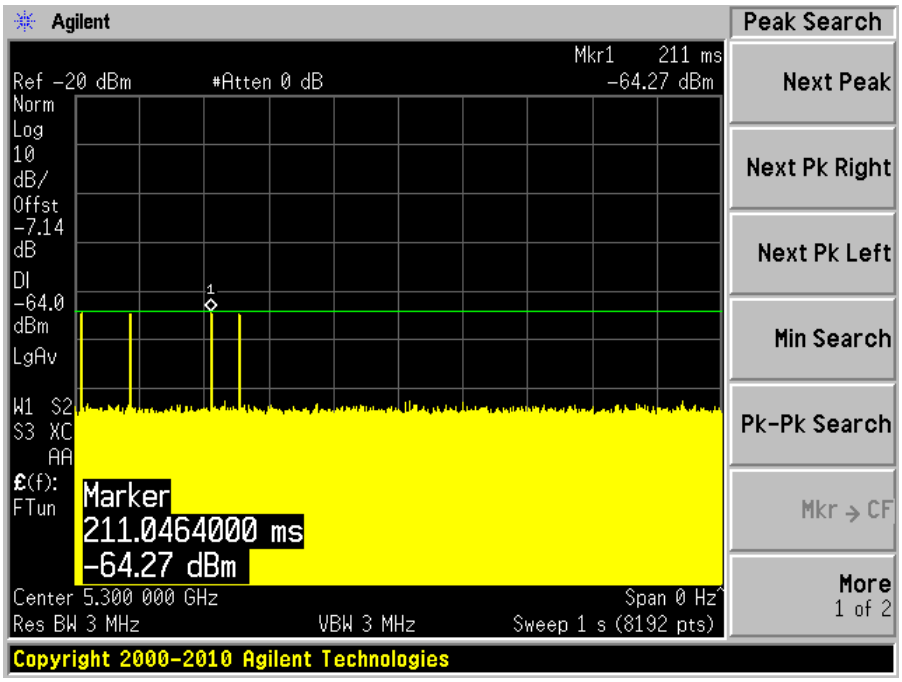
Radar Type 4



Radar Type 5

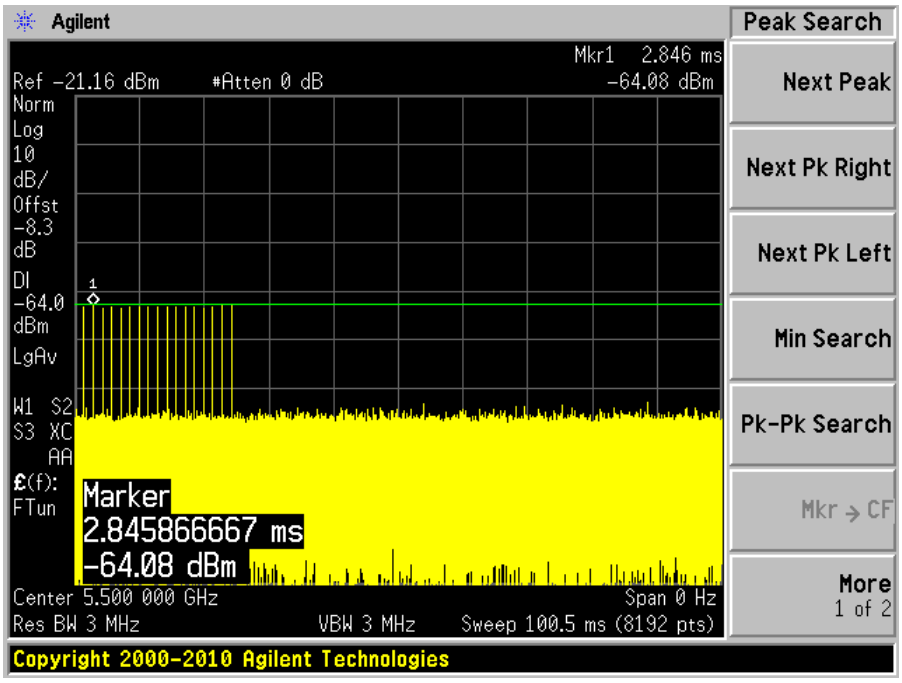


Radar Type 6

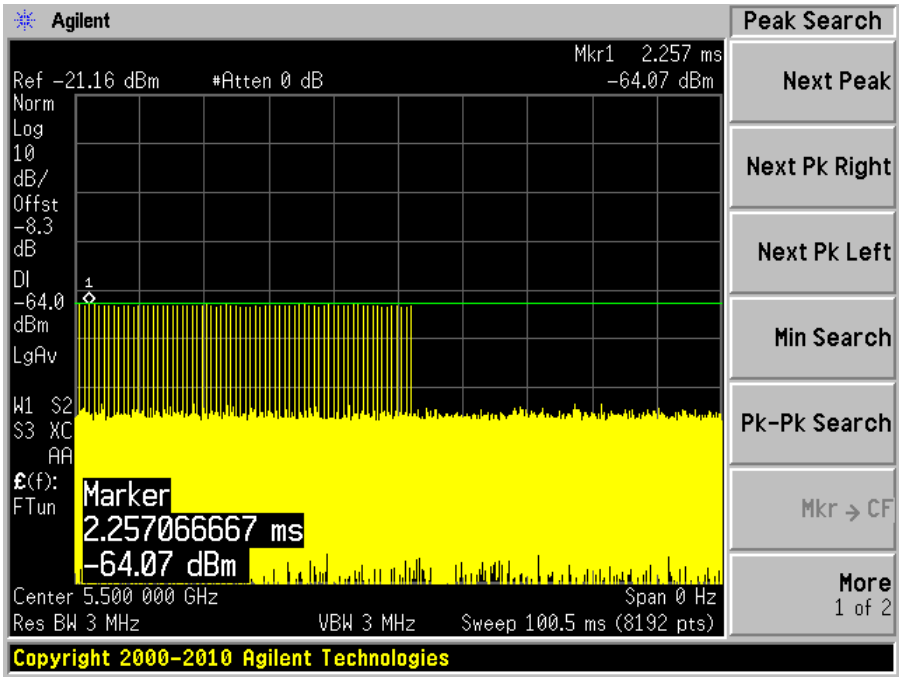


5500 MHz

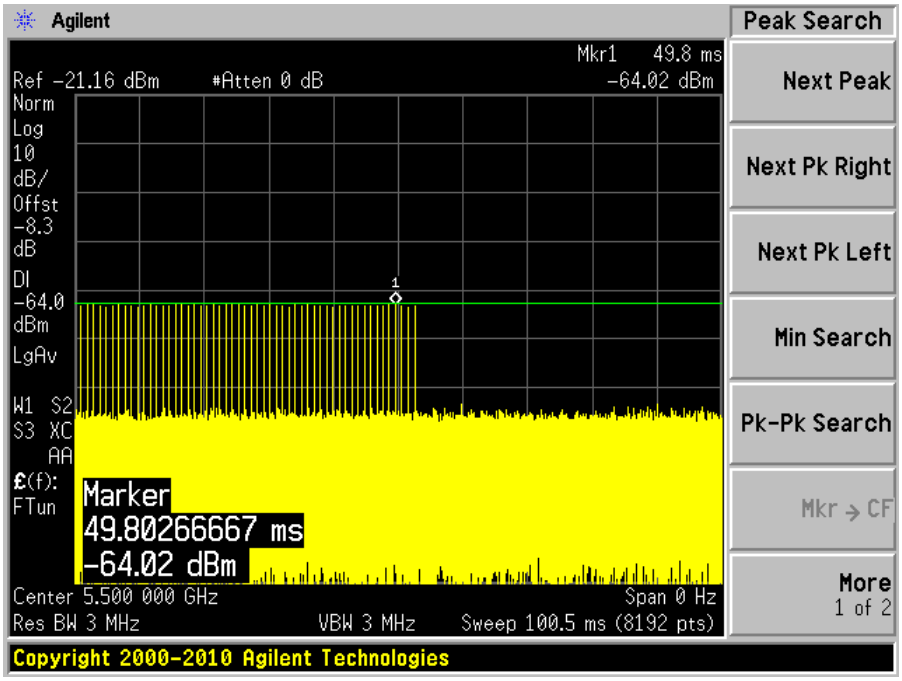
Radar Type 0



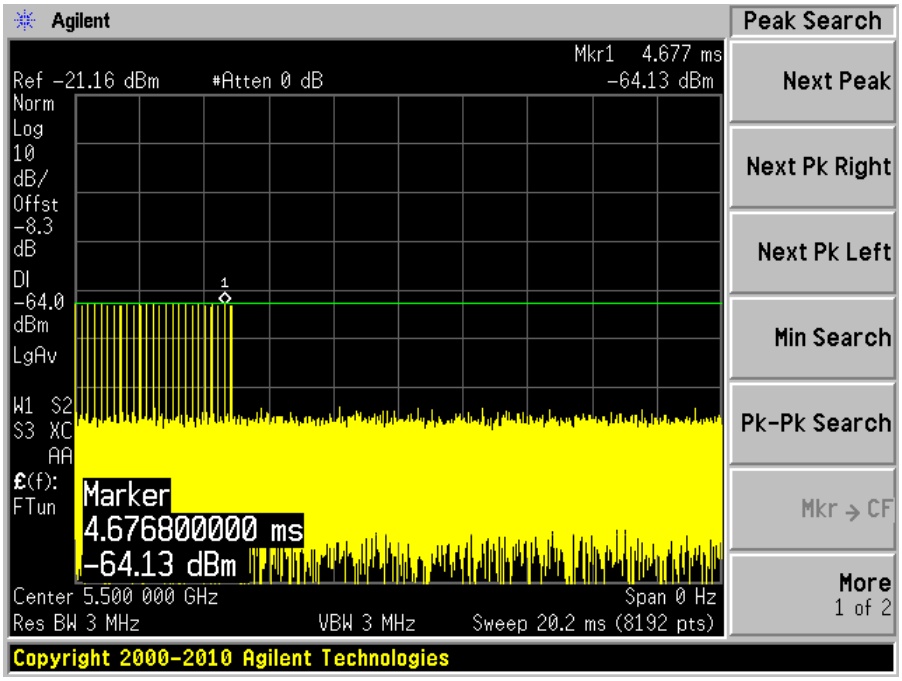
Radar Type 1A



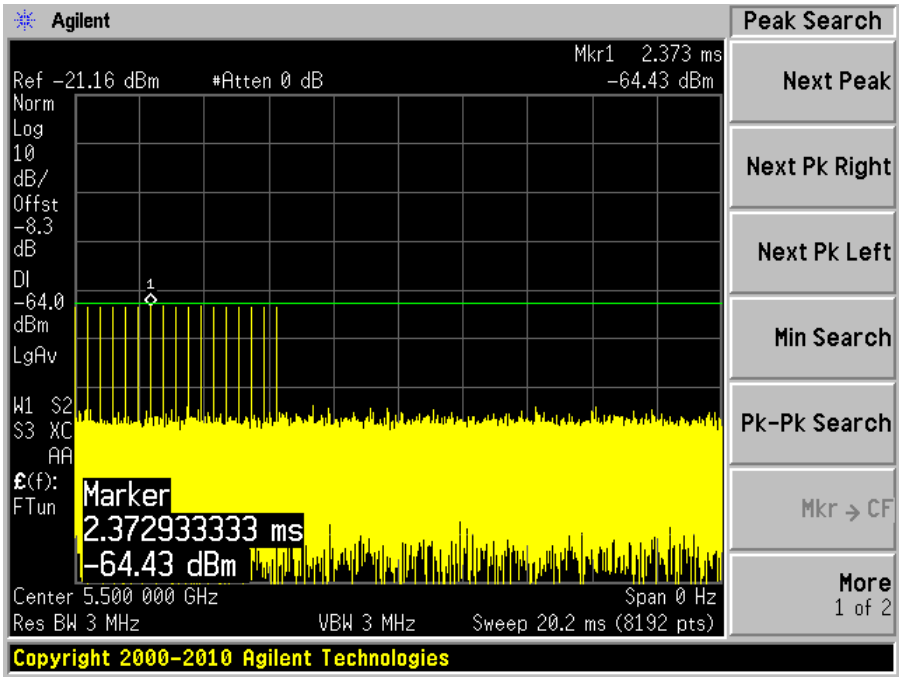
Radar Type 1B



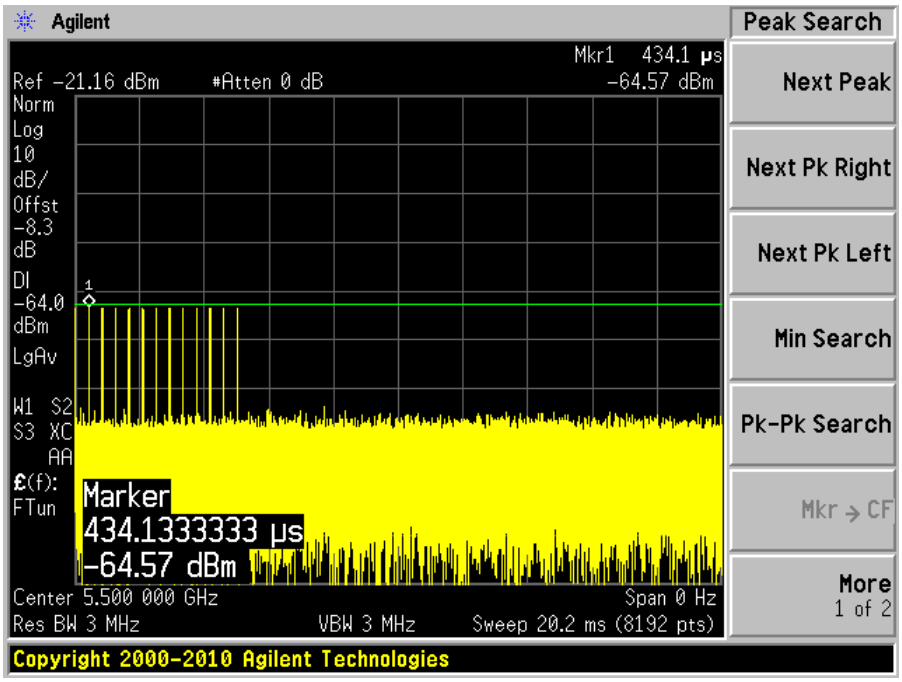
Radar Type 2



Radar Type 3



Radar Type 4



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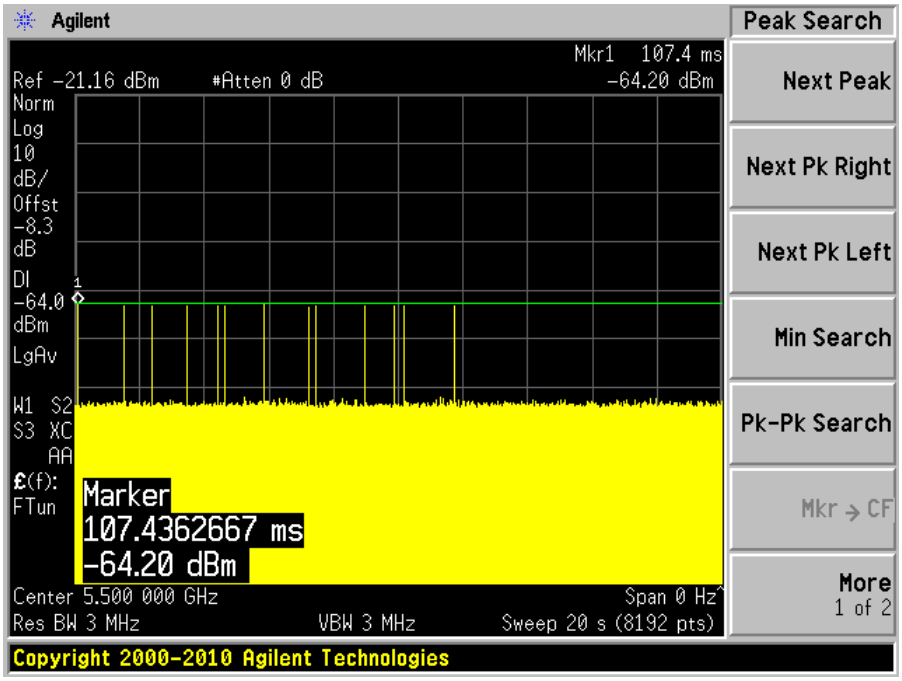
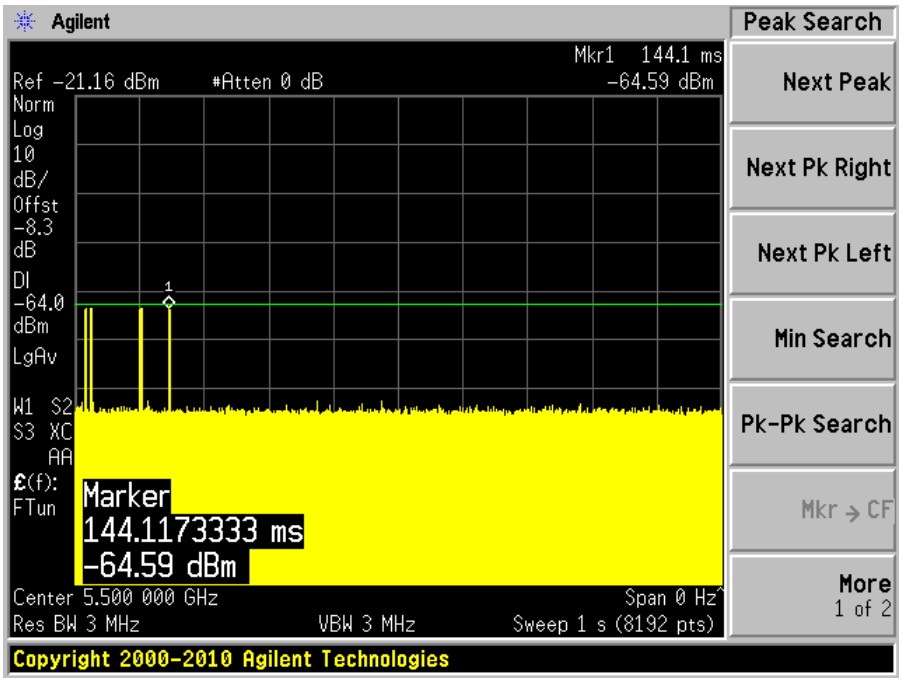


Radar Type 6



6 Radar Detection Bandwidth & Radar Detection Performance Check

6.1 Detection Bandwidth

Procedure:

Performed with short pulse radar waveforms (type 0)

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

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

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

UNII Detection Bandwidth = F_H- F_L

Test Results

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Result
5300	5290	5310	20	Compliance
5500	5490	5510	20	Compliance
5310	5290	5330	40	Compliance
5510	5490	5530	40	Compliance

Please refer to the following tables and plots.

Results of Detection Bandwidth:

EUT Frequency = 5300 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5289	0	0	0	0	0	0	0	0	0	0	0 %
5290(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5311	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5310-5290=20 MHz											

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

EUT Frequency = 5310 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5289	0	0	0	0	0	0	0	0	0	0	0 %
5290(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5331	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$=5330-5290=40 MHz											

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

6.2 Radar Detection Performance Check

Procedure:

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

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

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

Test Results:

5300 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	97.5 %	80%	Pass
Type 5	30	90 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5300 MHz, 20 MHz Bandwidth

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

Radar Type	Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
Type 1A	1	5300	67	1	798	1
	2	5300	57	1	938	1
	3	5300	61	1	878	1
	4	5300	68	1	778	1
	5	5300	70	1	758	1
	6	5300	92	1	578	1
	7	5300	76	1	698	1
	8	5300	102	1	518	1
	9	5300	59	1	898	1
	10	5300	72	1	738	1
	11	5300	95	1	558	1
	12	5300	74	1	718	1
	13	5300	83	1	638	1
	14	5300	99	1	538	1
	15	5300	62	1	858	1
Type 1B	16	5300	25	1	2140	1
	17	5300	53	1	1008	1
	18	5300	75	1	712	1
	19	5300	41	1	1304	1
	20	5300	32	1	1666	1
	21	5300	57	1	928	1
	22	5300	27	1	1971	1
	23	5300	36	1	1479	1
	24	5300	32	1	1681	1
	25	5300	21	1	2635	1
	26	5300	44	1	1226	1
	27	5300	45	1	1183	1
	28	5300	21	1	2542	1
	29	5300	19	1	2833	1
	30	5300	20	1	2683	1
Detection Percentage: 100 % (>60%)						

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5300	23	1.2	216	0
2	5300	29	4.7	220	1
3	5300	27	4.6	215	1
4	5300	28	4.1	224	1
5	5300	28	1.2	224	0
6	5300	27	1.9	176	1
7	5300	29	1.8	179	1
8	5300	27	2.9	221	1
9	5300	25	4.1	178	1
10	5300	27	3.2	222	1
11	5300	29	3.8	204	1
12	5300	28	1.9	183	1
13	5300	23	2.2	165	1
14	5300	27	3.4	204	1
15	5300	29	2.3	203	1
16	5300	23	3.1	179	1
17	5300	26	2.9	171	1
18	5300	23	2.6	203	1
19	5300	29	4.6	203	1
20	5300	25	4.9	226	1
21	5300	28	2.4	207	1
22	5300	27	4.8	184	1
23	5300	29	3.3	168	1
24	5300	24	3	226	1
25	5300	26	1.1	161	0
26	5300	27	3.7	226	1
27	5300	27	2.6	212	1
28	5300	24	3.7	218	1
29	5300	25	4.8	151	1
30	5300	24	2.8	207	1
Detection Percentage: 90 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5300	16	7.3	273	1
2	5300	18	9.8	400	1
3	5300	16	7.5	451	1
4	5300	18	7.6	290	1
5	5300	18	8	355	1
6	5300	16	6.4	327	1
7	5300	16	8.9	381	1
8	5300	17	6.3	490	1
9	5300	18	6.5	381	1
10	5300	16	9.6	273	1
11	5300	17	6.2	390	1
12	5300	18	6.4	439	1
13	5300	18	8.1	285	1
14	5300	17	8.4	322	1
15	5300	16	7.9	384	1
16	5300	16	7.9	373	1
17	5300	17	7.9	363	1
18	5300	16	7.4	201	1
19	5300	18	8.2	496	1
20	5300	17	9.1	229	1
21	5300	17	9.3	463	1
22	5300	17	9.3	367	1
23	5300	18	7.6	204	1
24	5300	16	6.8	382	1
25	5300	18	7.2	445	1
26	5300	18	7.2	363	1
27	5300	17	7.1	293	1
28	5300	18	8.1	267	1
29	5300	16	7.2	415	1
30	5300	17	9.6	270	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5300	16	20	441	1
2	5300	13	13.9	469	1
3	5300	14	14.1	455	1
4	5300	15	18.9	436	1
5	5300	15	16	464	1
6	5300	12	17.1	405	1
7	5300	13	12.8	356	1
8	5300	14	17.2	385	1
9	5300	16	14.9	267	1
10	5300	13	19	260	1
11	5300	16	12.4	398	1
12	5300	12	16.7	432	1
13	5300	16	17.5	286	1
14	5300	13	17.7	322	1
15	5300	14	11.7	398	1
16	5300	13	18.1	231	1
17	5300	14	14	304	1
18	5300	13	18.3	484	1
19	5300	12	13.8	398	1
20	5300	13	11.3	381	1
21	5300	16	19	394	1
22	5300	13	17.5	361	1
23	5300	12	11.5	428	1
24	5300	16	17.6	346	1
25	5300	13	16.3	451	1
26	5300	15	14.2	213	1
27	5300	15	13.5	247	1
28	5300	13	11.4	332	1
29	5300	13	16.3	241	1
30	5300	15	14	262	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Frequency: 5299 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	99	1038	1314	0.119132	1
1	3	8	81.5	1561	1736	1.513366	
2	1	20	65.8			1.697352	
3	3	20	57.6	1262	1833	2.534968	
4	2	12	86.7	1633		3.903376	
5	1	11	64.4			4.608965	
6	1	13	75.2			5.131451	
7	2	16	81.1	1419		5.946588	
8	3	18	80.8	1642	1639	6.41143	
9	2	17	93.1	1952		7.662925	
10	2	8	74.5	1197		8.652623	
11	3	17	95	1122	1682	9.146508	
12	2	14	85.9	1940		9.927143	
13	3	19	83.2	1817	1275	10.672868	
14	2	18	73.5	1448		11.235533	

Bin5 Statistics 2
Frequency: 5291 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	85.3	1072		0.522352	1
1	2	8	65.3	1566		0.962938	
2	2	6	83	1765		1.700614	
3	1	11	99.7			2.442505	
4	3	9	52.9	1487		3.299782	
5	3	19	70.4	1608	1161	3.698703	
6	2	20	89.7	1282		4.183542	
7	3	7	87.2	1649	1823	5.003903	
8	2	10	74.8	1326		5.558222	
9	1	9	70.7			6.598896	
10	2	8	50.9	1938		7.122723	
11	2	15	87.3	1307		7.985704	
12	2	11	96.5	1203		8.659186	
13	2	14	81.9	1692		8.816359	
14	2	15	88.6	1362		9.854563	
15	2	15	94.1	1644		10.550452	
16	3	9	72.5	1774	1581	11.269132	
17	2	14	61.5	1928		11.489404	

Bin5 Statistics 3
Frequency: 5301 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	86.7	1434	1914	0.514373	0
1	2	16	89.7	1435		1.039344	
2	2	20	79.3	1268		2.157387	
3	3	14	96.9	1704	1475	2.898528	
4	3	11	68	1841	1619	4.548874	
5	2	10	79.5	1082		4.759896	
6	2	7	57.1	1228		5.795467	
7	1	10	60.2			6.609297	
8	1	19	67			7.977077	
9	3	10	62.9	1315	1727	8.619056	
10	3	5	65.5	1776	1528	9.263238	
11	1	10	79.5			10.660856	
12	1	7	74.6			11.158078	

Bin5 Statistics 4
Frequency: 5302 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	67.8	1554		0.048343	
1	3	16	56.8	1528	1288	0.898098	
2	1	14	86.7			1.416512	
3	2	17	53.9	1357		2.39047	
4	2	10	89.4	1422		2.685114	
5	3	19	52.8	1213	1698	3.20184	
6	1	11	65.1			3.910011	
7	2	10	87.3	1090		5.039768	
8	3	7	80.7	1659	1239	5.492699	
9	1	16	60.8			6.303683	1
10	2	8	86.9	1862		6.725996	
11	1	15	53.2			7.031367	
12	2	6	93.7	1277		8.16107	
13	1	17	58.5			8.292794	
14	2	20	59	1021		8.879328	
15	2	13	69.8	1761		9.678089	
16	3	15	71.2	1939	1233	10.595435	
17	3	18	64.8	1567	1441	10.793974	
18	1	9	90.1			11.372688	

Bin5 Statistics 5
Frequency: 5306 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	78.6			0.013399	
1	2	11	83.6	1874		1.039121	
2	2	12	94.6	1045		2.123264	
3	3	5	64.7	1902	1014	3.027409	
4	2	10	62.6	1233		4.188531	
5	2	19	90.2	1509		4.976738	
6	3	16	87	1397	1953	5.558037	1
7	2	9	58.8	1188		7.033365	
8	2	6	58.1	1030		8.173962	
9	2	19	91.1	1310		8.507095	
10	2	10	60	1685		9.293806	
11	1	17	62.7			10.181913	
12	3	14	51.6	1993	1913	11.566187	

Bin5 Statistics 6

Frequency: 5298 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	63.5			0.128374	0
1	3	9	72.3	1492	1960	1.957063	
2	3	9	59	1985	1240	3.013415	
3	2	19	83	1996		4.26961	
4	3	5	92.5	1756	1872	5.486927	
5	2	20	82.5	1947		6.746609	
6	3	18	88.7	1358	1971	8.326183	
7	1	7	76.2			9.040232	
8	1	8	64.7			10.217842	
9	1	15	85.8			10.870288	

Bin5 Statistics 7

Frequency: 5306 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	81.5	1107		0.052999	1
1	2	11	93.2	1628		1.513756	
2	2	14	85.4	1990		2.308413	
3	2	6	80.1	1631		2.458394	
4	1	14	51.1			3.526742	
5	1	16	73.3			4.31613	
6	1	16	92.9			5.225244	
7	2	10	80.6	1539		5.736188	
8	2	6	75.1	1146		6.799344	
9	2	19	76.6	1386		7.742704	
10	3	17	85.6	1812	1137	8.358606	
11	2	7	58.3	1266		9.46591	
12	2	16	97.2	1455		10.180324	
13	2	11	75.6	1572		10.91336	
14	2	12	55.9	1458		11.701023	

Bin5 Statistics 8

Frequency: 5291 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	50.8	1452	1632	0.020092	1
1	3	13	61.9	1101	1130	0.91841	
2	3	11	86.1	1676	1563	1.797082	
3	3	7	86.8	1252	1711	2.62557	
4	2	7	60.8	1448		3.675694	
5	3	18	54.3	1554	1034	3.821275	
6	2	9	53.4	1674		4.651039	
7	3	15	65.5	1165	1654	5.471772	
8	2	12	51.4	1077		6.696187	
9	1	11	68.8			7.066123	
10	2	7	56.6	1216		7.975789	
11	1	12	99.3			8.389004	
12	2	8	54.8	1850		9.294032	
13	1	6	82.7			9.777879	
14	3	11	79.9	1003	1545	10.903377	
15	2	16	61.1	1082		11.599792	

Bin5 Statistics 9

Frequency: 5293 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	73.1	1587	1992	0.670421	1
1	2	17	96.9	1103		1.276956	
2	2	17	89.4	1452		1.960048	
3	1	20	75.4			3.646536	
4	1	6	89.3			4.608681	
5	2	6	74.2	1665		4.818739	
6	2	16	61.4	1399		5.947669	
7	2	12	76.9	1137		6.718677	
8	3	10	69.7	1064	1240	7.663639	
9	1	16	70.4			9.013346	
10	1	7	79.7			9.560963	
11	1	5	62.9			10.224178	
12	2	16	71.3	1325		11.809238	

Bin5 Statistics 10

Frequency: 5296 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	81.7			0.783642	1
1	2	19	55.4	1107		1.013187	
2	2	18	63.8	1973		2.131602	
3	2	7	65.8	1309		3.209492	
4	3	10	84.3	1970	1589	3.931567	
5	2	6	87.8	1879		4.632528	
6	3	13	62.8	1745	1691	5.665928	
7	2	7	92.8	1606		6.468888	
8	1	15	71.3			7.030545	
9	3	5	85.6	1179	1542	8.128595	
10	2	5	67.6	1974		8.863471	
11	1	7	63.1			9.530954	
12	2	13	68.4	1698		11.111368	
13	1	9	83.1			11.558292	

Bin5 Statistics 11

Frequency: 5301 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	69.3	1242		0.213748	1
1	3	14	80	1849	1100	1.22852	
2	2	17	74.6	1912		2.277678	
3	2	10	73.7	1194		2.853448	
4	2	5	84.2	1842		3.941055	
5	3	18	64.9	1184	1607	4.915626	
6	2	8	62.7	1008		5.647512	
7	3	9	89.9	1084	1714	6.770452	
8	3	20	55	1146	1447	8.061574	
9	1	17	74.8			8.513615	
10	2	14	63.4	1238		9.284439	
11	2	19	99.5	1431		10.979448	
12	2	20	84.5	1346		11.643139	

Bin5 Statistics 12

Frequency: 5292 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	84.9	1019	1971	0.760333	1
1	1	19	62			1.233345	
2	2	10	93.7	1043		2.43206	
3	1	11	86.5			3.623307	
4	1	12	55.5			4.675466	
5	1	13	85.1			5.076724	
6	2	5	89.1	1708		6.622926	
7	1	17	66.4			7.351874	
8	3	9	85.8	1668	1520	8.823049	
9	1	6	80.6			9.329137	
10	2	18	66.1	1955		10.534485	
11	1	16	73.8			11.731489	

Bin5 Statistics 13

Frequency: 5294 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	81.2	1684		0.233892	0
1	1	5	57.4			0.812369	
2	2	11	95.3	1613		2.231716	
3	2	17	83	1164		2.814971	
4	2	9	57	1559		3.690594	
5	2	10	58.5	1262		4.308454	
6	2	12	86	1928		5.127031	
7	2	19	76.2	1921		5.381546	
8	2	15	60.9	1513		6.117462	
9	1	15	79.8			7.118936	
10	2	20	93.7	1258		7.556076	
11	1	12	63.1			8.623831	
12	2	14	92.8	1646		9.24079	
13	3	7	71.9	1101	1347	10.026226	
14	3	8	67.1	1551	1216	10.670621	
15	2	14	94.3	1265		11.952309	

Bin5 Statistics 14

Frequency: 5291 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	53.5	1393		0.643359	1
1	2	9	52.4	1878		2.458179	
2	1	14	96.7			3.239133	
3	2	12	64.7	1041		4.07371	
4	3	12	53.1	1126	1147	5.944874	
5	1	13	80.7			7.952401	
6	3	12	98.6	1979	1644	9.223413	
7	2	7	70.7	1603		9.383635	
8	1	15	50			11.162092	

Bin5 Statistics 15

Frequency: 5300 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	96.2	1738		0.623314	1
1	2	11	65.7	1424		1.175583	
2	1	7	96.9			1.741801	
3	3	7	78.1	1870	1145	2.043525	
4	1	19	99.5			3.030228	
5	3	6	53.8	1996	1569	3.405469	
6	2	7	55.4	1594		4.188892	
7	2	18	80.2	1199		4.856244	
8	3	10	69.2	1220	1012	5.60001	
9	2	19	80.3	1314		6.392012	
10	2	15	67.6	1234		7.047722	
11	2	12	83.5	1961		7.37187	
12	1	9	71.1			8.439817	
13	1	9	51.2			8.714492	
14	2	10	78.2	1056		9.500555	
15	2	14	73.3	1206		10.413811	
16	2	16	64.3	1739		11.305341	
17	3	8	71.5	1452	1807	11.582051	

Bin5 Statistics 16

Frequency: 5291 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	70			0.975431	1
1	1	19	86.9			1.426506	
2	3	18	72.4	1088	1240	2.99301	
3	2	10	98.5	1364		4.466924	
4	2	8	78.5	1212		5.267912	
5	2	16	82.7	1927		6.009208	
6	3	15	90	1355	1280	7.664965	
7	3	20	83.8	1270	1857	9.095119	
8	3	19	64.7	1006	1994	9.840472	
9	2	13	96.4	1695		10.977706	

Bin5 Statistics 17

Frequency: 5299 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	85.5	1995		0.445968	1
1	2	12	95	1685		1.661031	
2	2	20	62.9	1489		2.800332	
3	2	19	59.2	1743		5.015078	
4	1	14	57.4			5.644719	
5	1	19	60.3			6.943168	
6	2	12	68.8	1360		8.657556	
7	1	17	81			9.993004	
8	1	15	66.5			11.994247	

Bin5 Statistics 18

Frequency: 5296 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	86	1978	1600	0.664225	
1	3	18	93.1	1677	1713	0.912175	
2	2	12	69.1	1544		1.614837	
3	2	19	85.5	1075		2.203957	
4	1	9	59.1			3.288039	
5	2	14	56.7	1624		3.533369	
6	3	19	81.5	1972	1958	4.867292	
7	3	18	66.9	1677	1113	5.364511	
8	2	6	88.8	1852		5.679956	1
9	2	15	67.7	1615		6.5106	
10	3	15	73.4	1650	1940	7.311819	
11	2	17	98	1216		7.812381	
12	2	6	95	1313		8.810197	
13	3	16	70	1515	1734	9.680288	
14	3	13	88.7	1701	1251	10.09409	
15	1	17	55.9			11.084788	
16	2	20	64.8	1899		11.612369	

Bin5 Statistics 19
Frequency: 5303 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	87.2	1616	1967	0.723805	
1	3	19	65.6	1731	1761	1.380162	
2	2	19	83.2	1337		2.112327	
3	2	9	84.8	1517		3.138059	
4	2	10	85.2	1250		3.823743	
5	2	10	77.9	1668		4.089984	
6	1	13	60.2			5.087782	
7	3	5	81.8	1045	1435	6.205429	1
8	2	10	84.6	1897		6.943869	
9	2	8	98	1081		7.497633	
10	2	9	70.9	1948		8.2779	
11	1	9	69.3			9.295823	
12	2	15	84.2	1261		9.878905	
13	1	8	75			10.976435	
14	2	7	90	1804		11.882038	

Bin5 Statistics 20

Frequency: 5303 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	79.3	1903		0.649147	
1	2	9	75.4	1390		0.871466	
2	1	7	92.3			1.878452	
3	2	11	60.9	1741		2.066669	
4	2	13	73.9	1291		2.727381	
5	2	8	53.5	1779		3.465413	
6	2	10	63.3	1261		4.578296	
7	3	9	66.8	1162	1353	5.259286	
8	2	17	85.4	1166		5.662992	1
9	3	19	67.1	1441	1373	6.553342	
10	2	9	94.5	1878		6.719547	
11	1	14	96.4			7.569831	
12	2	16	59.2	1138		8.530976	
13	3	11	95.4	1834	1032	9.156744	
14	2	13	84.5	1895		9.844046	
15	2	18	74.1	1015		10.363373	
16	3	7	80.2	1828	1741	11.040793	
17	2	16	58.4	1038		11.673607	

Bin5 Statistics 21

Frequency: 5292 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	70.8	1933		0.243382	
1	2	12	54.6	1275		2.10164	
2	2	16	97.1	1036		3.461296	
3	3	19	66.7	1127	1090	4.314299	
4	2	11	99.8	1712		6.584344	1
5	2	20	81.3	1078		6.666669	
6	3	13	80.3	1239	1529	8.119131	
7	2	14	98	1692		9.738695	
8	3	8	71	1510	1637	11.257594	

Bin5 Statistics 22

Frequency: 5302 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	80.3			0.458582	
1	3	18	69.2	1663	1104	1.067067	
2	2	18	63.5	1578		1.342189	
3	2	17	64.5	1338		2.296547	
4	2	12	93.4	1099		2.847511	
5	3	13	73.8	1366	1755	3.771051	
6	3	7	89.9	1807	1661	4.195548	
7	3	13	69.8	1909	1978	4.644871	
8	1	9	73.5			5.255784	
9	1	10	93.5			5.688713	1
10	1	10	64.2			6.833059	
11	2	14	86.9	1015		7.391224	
12	2	6	67.6	1890		8.197718	
13	3	15	96.3	1698	1917	8.239456	
14	2	6	55.7	1067		9.320663	
15	2	15	96.8	1111		9.536353	
16	2	14	87.1	1022		10.580366	
17	2	7	61	1622		10.865568	
18	3	9	81.7	1074	1198	11.867581	

Bin5 Statistics 23

Frequency: 5297 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	56.2	1774	1230	0.682085	
1	2	15	78.8	1461		1.433153	
2	2	9	60	1490		2.781226	
3	2	9	93.6	1302		4.166364	
4	3	19	86.3	1108	1295	5.984895	1
5	2	10	56.4	1370		6.735174	
6	2	20	58.2	1096		8.116846	
7	3	7	73.4	1538	1406	9.114409	
8	3	13	63.4	1246	1539	10.052831	
9	3	5	59.9	1094	1384	11.196096	

Bin5 Statistics 24

Frequency: 5291 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	74.8			0.110242	1
1	3	17	89.9	1337	1100	1.131841	
2	3	14	66.1	1243	1433	1.554615	
3	3	9	80.1	1453	1974	2.516735	
4	3	17	92.3	1840	1917	3.673939	
5	2	19	74.2	1266		4.489172	
6	2	8	83.2	1358		4.908278	
7	3	12	55.2	1341	1411	5.472036	
8	2	11	64	1422		6.737518	
9	3	14	59.3	1506	1191	6.804381	
10	3	17	95.5	1192	1886	8.211296	
11	2	15	66	1120		8.942067	
12	2	8	99.9	1132		9.412637	
13	2	16	92.8	1855		9.873195	
14	2	8	60.9	1970		10.915715	
15	1	6	67.4			11.530442	

Bin5 Statistics 25

Frequency: 5294 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	87.6			0.193442	1
1	1	9	90.7			1.473998	
2	3	18	70	1477	1635	1.826991	
3	2	17	80.2	1284		3.197792	
4	3	16	57	1181	1892	4.048592	
5	3	6	56.7	1317	1490	4.911876	
6	3	6	51.4	1366	1713	5.553748	
7	2	18	95.1	1002		6.634157	
8	2	11	66.6	1812		6.911844	
9	2	19	77.1	1357		8.322997	
10	2	10	81.4	1056		8.876401	
11	1	11	99.1			9.860713	
12	3	12	64.7	1404	1265	10.834321	
13	2	11	77.9	1643		11.552847	

Bin5 Statistics 26

Frequency: 5301 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	80	1383	1148	0.803581	
1	1	20	70.1			1.026789	
2	3	19	99.3	1766	1077	2.513265	
3	2	7	67.3	1307		3.311642	
4	1	19	50.2			3.740974	
5	2	6	60.6	1524		5.21552	
6	2	9	58.2	1006		5.667037	1
7	1	6	81.1			6.905746	
8	3	17	70.9	1701	1022	7.501712	
9	1	17	64.5			9.089402	
10	2	14	79.2	1723		9.532584	
11	2	16	89.4	1877		11.059769	
12	2	8	96.7	1073		11.67083	

Bin5 Statistics 27

Frequency: 5305 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	62.2	1976	1264	0.09329	
1	1	14	88.3			1.535524	
2	1	16	83			2.341027	
3	1	10	88.7			3.623955	
4	3	6	59.2	1727	1668	5.059488	
5	2	8	57.6	1385		5.787069	1
6	1	14	76.9			7.307053	
7	2	20	60.8	1802		8.583765	
8	2	7	65.8	1901		9.129829	
9	2	5	76.8	1497		10.633588	
10	2	14	84.1	1804		11.057985	

Bin5 Statistics 28

Frequency: 5297 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	83	1369	1767	0.769526	
1	3	15	57.7	1294	1926	1.252106	
2	3	13	56.2	1037	1832	1.735853	
3	3	10	69.2	1195	1208	2.783299	
4	3	11	69.8	1876	1996	3.778784	
5	1	8	91.6			4.24792	
6	2	6	92.9	1775		5.192691	
7	2	16	79	1130		5.682823	1
8	1	19	88.9			6.722648	
9	1	17	77			7.455851	
10	3	7	66.4	1391	1876	8.543427	
11	2	18	79	1301		9.424319	
12	2	16	96.7	1393		10.353183	
13	3	10	80.5	1557	1182	10.917823	
14	2	17	78.1	1008		11.516272	

Bin5 Statistics 29

Frequency: 5295 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	67.9	1827		0.267828	
1	2	9	52	1612		1.476768	
2	3	19	52.2	1338	1204	2.164631	
3	1	18	53.2			3.181909	
4	2	17	68	1658		4.255791	
5	2	7	63.1	1149		4.840836	
6	2	13	77.5	1236		5.555898	
7	3	13	51.9	1571	1676	6.603947	1
8	1	9	51.2			7.266524	
9	2	5	65.5	1361		8.060011	
10	1	5	64.5			8.691351	
11	2	16	63.1	1757		9.637882	
12	2	7	68.2	1384		10.861748	
13	3	12	99.1	1790	1948	11.551475	

Bin5 Statistics 30

Frequency: 5305 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	71.5	1774		0.252367	1
1	3	6	64	1280	1997	0.98253	
2	2	7	57.5	1235		1.763852	
3	3	8	94.1	1522	1616	2.223837	
4	3	14	99.2	1011	1659	2.957603	
5	3	7	83.5	1229	1027	3.805404	
6	3	14	82.2	1143	1679	4.289518	
7	2	19	87.5	1105		4.770185	
8	2	10	84.8	1993		5.501647	
9	1	19	57.2			6.626839	
10	1	12	90.5			6.983709	
11	1	8	85.1			7.895961	
12	3	18	50.7	1188	1024	8.641916	
13	2	18	76.1	1680		9.172117	
14	2	11	63.5	1659		9.895742	
15	2	18	59.7	1101		10.184057	
16	2	17	83.7	1667		11.244033	
17	2	9	82.8	1331		11.845647	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5300	9	1	333	1	5640.0, 5596.0, 5427.0, 5575.0, 5564.0, 5396.0, 5458.0, 5659.0, 5641.0, 5350.0, 5642.0, 5298.0, 5406.0, 5616.0, 5591.0, 5627.0, 5720.0, 5529.0, 5424.0, 5721.0, 5654.0, 5337.0, 5631.0, 5489.0, 5485.0, 5403.0, 5351.0, 5315.0, 5356.0, 5331.0, 5603.0, 5482.0, 5302.0, 5623.0, 5598.0, 5544.0, 5272.0, 5500.0, 5496.0, 5560.0, 5352.0, 5673.0, 5476.0, 5369.0, 5312.0, 5372.0, 5537.0, 5326.0, 5327.0, 5440.0, 5682.0, 5583.0, 5338.0, 5607.0, 5535.0, 5492.0, 5688.0, 5581.0, 5545.0, 5335.0, 5259.0, 5698.0, 5441.0, 5685.0, 5317.0, 5594.0, 5480.0, 5528.0, 5677.0, 5285.0, 5670.0, 5438.0, 5357.0, 5557.0, 5343.0, 5597.0, 5293.0, 5590.0, 5592.0, 5573.0, 5508.0, 5346.0, 5531.0, 5283.0, 5280.0, 5549.0, 5577.0, 5711.0, 5524.0, 5690.0, 5689.0, 5505.0, 5593.0, 5454.0, 5304.0, 5435.0, 5393.0, 5416.0, 5421.0, 5262.0 (number of hits: 4)
2	5300	9	1	333	1	5653.0, 5671.0, 5493.0, 5448.0, 5299.0, 5710.0, 5714.0, 5391.0, 5497.0, 5522.0, 5420.0, 5544.0, 5681.0, 5718.0, 5261.0, 5438.0, 5622.0, 5656.0, 5349.0, 5338.0, 5403.0, 5266.0, 5687.0, 5271.0, 5698.0, 5316.0, 5295.0, 5665.0, 5608.0, 5432.0, 5310.0, 5604.0, 5297.0, 5592.0, 5356.0, 5322.0, 5505.0, 5617.0, 5371.0, 5308.0, 5469.0, 5483.0, 5646.0, 5362.0, 5520.0, 5253.0, 5459.0, 5456.0, 5517.0, 5695.0, 5363.0, 5300.0, 5649.0, 5341.0, 5449.0, 5324.0, 5575.0, 5699.0, 5648.0, 5560.0, 5588.0, 5480.0, 5357.0, 5425.0, 5668.0, 5429.0, 5348.0, 5451.0, 5551.0, 5418.0, 5555.0, 5535.0, 5260.0, 5540.0, 5673.0, 5539.0, 5722.0, 5545.0, 5286.0, 5716.0, 5360.0, 5661.0, 5402.0, 5423.0, 5647.0, 5644.0, 5273.0, 5692.0, 5527.0, 5596.0, 5513.0, 5477.0, 5578.0, 5565.0, 5378.0, 5328.0, 5265.0, 5384.0, 5353.0, 5398.0 (number of hits: 5)
3	5300	9	1	333	1	5470.0, 5528.0, 5459.0, 5454.0, 5564.0, 5466.0, 5705.0, 5265.0, 5485.0, 5332.0, 5422.0, 5486.0, 5353.0, 5549.0, 5679.0, 5355.0, 5610.0, 5381.0, 5444.0, 5490.0, 5327.0, 5370.0, 5611.0, 5650.0, 5633.0, 5419.0, 5438.0, 5351.0, 5408.0, 5425.0, 5618.0, 5352.0, 5328.0, 5362.0, 5266.0, 5293.0, 5318.0, 5374.0, 5558.0, 5376.0, 5544.0, 5571.0, 5360.0, 5507.0, 5647.0, 5645.0, 5304.0, 5276.0, 5488.0, 5435.0, 5519.0, 5407.0, 5601.0, 5467.0, 5301.0,

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4	5300	9	1	333	1	5505.0, 5668.0, 5630.0, 5689.0, 5585.0, 5677.0, 5475.0, 5316.0, 5361.0, 5399.0, 5553.0, 5572.0, 5391.0, 5578.0, 5349.0, 5464.0, 5510.0, 5411.0, 5353.0, 5289.0, 5453.0, 5530.0, 5412.0, 5270.0, 5449.0, 5548.0, 5392.0, 5575.0, 5259.0, 5299.0, 5400.0, 5679.0, 5694.0, 5618.0, 5382.0, 5583.0, 5364.0, 5485.0, 5255.0, 5393.0, 5384.0, 5372.0, 5560.0, 5691.0, 5635.0, 5524.0, 5482.0, 5254.0, 5283.0, 5600.0, 5498.0, 5634.0, 5477.0, 5541.0, 5456.0, 5435.0, 5280.0, 5478.0, 5517.0, 5589.0, 5294.0, 5291.0, 5569.0, 5389.0, 5617.0, 5486.0, 5682.0, 5708.0, 5451.0, 5410.0, 5723.0, 5434.0, 5571.0, 5721.0, 5698.0, 5540.0, 5479.0, 5626.0, 5512.0, 5345.0, 5405.0, 5324.0, 5594.0, 5383.0, 5487.0, 5367.0, 5502.0, 5561.0, 5680.0, 5408.0, 5523.0, 5267.0, 5549.0, 5555.0, 5665.0, 5422.0, 5481.0, 5468.0, 5427.0, 5639.0 (number of hits: 3)
5	5300	9	1	333	1	5626.0, 5303.0, 5306.0, 5501.0, 5704.0, 5555.0, 5299.0, 5322.0, 5641.0, 5690.0, 5344.0, 5500.0, 5396.0, 5460.0, 5428.0, 5494.0, 5552.0, 5398.0, 5523.0, 5694.0, 5492.0, 5399.0, 5368.0, 5682.0, 5687.0, 5388.0, 5423.0, 5374.0, 5440.0, 5508.0, 5711.0, 5467.0, 5259.0, 5668.0, 5638.0, 5395.0, 5390.0, 5721.0, 5486.0, 5448.0, 5330.0, 5536.0, 5532.0, 5455.0, 5296.0, 5681.0, 5285.0, 5329.0, 5654.0, 5535.0, 5629.0, 5644.0, 5365.0, 5431.0, 5517.0, 5621.0, 5318.0, 5580.0, 5608.0, 5600.0, 5613.0, 5345.0, 5392.0, 5547.0, 5631.0, 5415.0, 5408.0, 5253.0, 5588.0, 5612.0, 5434.0, 5604.0, 5620.0, 5324.0, 5473.0, 5251.0, 5301.0, 5444.0, 5478.0, 5676.0, 5645.0, 5393.0, 5290.0, 5474.0, 5636.0, 5382.0, 5263.0, 5498.0, 5323.0, 5343.0, 5452.0, 5548.0, 5472.0, 5655.0, 5297.0, 5705.0, 5481.0, 5482.0, 5628.0, 5380.0 (number of hits: 7)
6	5300	9	1	333	1	5721.0, 5311.0, 5702.0, 5564.0, 5641.0, 5309.0, 5533.0, 5673.0, 5486.0, 5536.0, 5399.0, 5483.0, 5372.0, 5282.0, 5433.0, 5645.0, 5302.0, 5401.0, 5642.0, 5396.0, 5663.0, 5605.0, 5453.0, 5502.0, 5690.0, 5514.0, 5506.0, 5565.0, 5432.0, 5650.0, 5445.0, 5313.0, 5551.0, 5476.0, 5342.0,

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8	5300	9	1	333	1	5584.0, 5491.0, 5427.0, 5635.0, 5606.0, 5550.0, 5509.0, 5349.0, 5441.0, 5482.0, 5337.0, 5282.0, 5465.0, 5436.0, 5476.0, 5682.0, 5346.0, 5508.0, 5669.0, 5695.0, 5675.0, 5360.0, 5342.0, 5614.0, 5489.0, 5611.0, 5496.0, 5418.0, 5599.0, 5700.0, 5504.0, 5719.0, 5268.0, 5404.0, 5605.0, 5415.0, 5257.0, 5526.0, 5501.0, 5475.0, 5551.0, 5667.0, 5370.0, 5637.0, 5699.0, 5592.0, 5463.0, 5515.0, 5369.0, 5512.0, 5455.0, 5277.0, 5373.0, 5578.0, 5539.0, 5590.0, 5306.0, 5254.0, 5278.0, 5444.0, 5633.0, 5698.0, 5702.0, 5684.0, 5557.0, 5271.0, 5410.0, 5406.0, 5400.0, 5623.0, 5315.0, 5575.0, 5673.0, 5407.0, 5332.0, 5380.0, 5286.0, 5706.0, 5328.0, 5558.0, 5343.0, 5321.0, 5382.0, 5639.0, 5609.0, 5499.0, 5283.0, 5298.0, 5449.0, 5536.0, 5448.0, 5714.0, 5430.0, 5537.0, 5678.0, 5636.0, 5528.0, 5626.0, 5307.0, 5630.0 (number of hits: 3)
9	5300	9	1	333	1	5304.0, 5702.0, 5690.0, 5550.0, 5297.0, 5528.0, 5495.0, 5605.0, 5502.0, 5701.0, 5535.0, 5547.0, 5298.0, 5461.0, 5620.0,

						5579.0, 5276.0, 5652.0, 5484.0, 5331.0, 5371.0, 5384.0, 5322.0, 5460.0, 5687.0, 5327.0, 5365.0, 5451.0, 5590.0, 5422.0, 5278.0, 5361.0, 5677.0, 5594.0, 5465.0, 5520.0, 5688.0, 5464.0, 5640.0, 5416.0, 5312.0, 5608.0, 5413.0, 5318.0, 5444.0, 5538.0, 5521.0, 5626.0, 5474.0, 5544.0, 5636.0, 5711.0, 5454.0, 5491.0, 5263.0, 5601.0, 5559.0, 5692.0, 5681.0, 5273.0, 5330.0, 5531.0, 5587.0, 5656.0, 5401.0, 5567.0, 5710.0, 5389.0, 5450.0, 5430.0, 5347.0, 5526.0, 5440.0, 5483.0, 5317.0, 5507.0, 5719.0, 5660.0, 5341.0, 5446.0, 5641.0, 5429.0, 5492.0, 5589.0, 5408.0, 5512.0, 5405.0, 5574.0, 5305.0, 5666.0, 5613.0, 5653.0, 5518.0, 5354.0, 5350.0, 5675.0, 5388.0, 5370.0, 5638.0, 5379.0 (number of hits: 4)
10	5300	9	1	333	1	5626.0, 5332.0, 5261.0, 5711.0, 5380.0, 5543.0, 5661.0, 5263.0, 5424.0, 5347.0, 5373.0, 5647.0, 5495.0, 5370.0, 5320.0, 5256.0, 5515.0, 5460.0, 5455.0, 5304.0, 5287.0, 5680.0, 5346.0, 5301.0, 5491.0, 5330.0, 5550.0, 5525.0, 5493.0, 5649.0, 5603.0, 5473.0, 5682.0, 5391.0, 5254.0, 5596.0, 5427.0, 5547.0, 5597.0, 5289.0, 5651.0, 5295.0, 5420.0, 5622.0, 5406.0, 5691.0, 5633.0, 5357.0, 5409.0, 5668.0, 5418.0, 5361.0, 5341.0, 5392.0, 5292.0, 5693.0, 5536.0, 5272.0, 5469.0, 5561.0, 5458.0, 5318.0, 5692.0, 5390.0, 5422.0, 5268.0, 5298.0, 5631.0, 5433.0, 5353.0, 5508.0, 5667.0, 5302.0, 5657.0, 5621.0, 5253.0, 5477.0, 5714.0, 5412.0, 5548.0, 5629.0, 5563.0, 5417.0, 5471.0, 5275.0, 5414.0, 5480.0, 5591.0, 5675.0, 5403.0, 5577.0, 5278.0, 5718.0, 5472.0, 5303.0, 5636.0, 5643.0, 5598.0, 5666.0, 5354.0 (number of hits: 7)
11	5300	9	1	333	1	5690.0, 5691.0, 5375.0, 5412.0, 5298.0, 5261.0, 5369.0, 5308.0, 5579.0, 5457.0, 5662.0, 5695.0, 5270.0, 5482.0, 5387.0, 5485.0, 5277.0, 5250.0, 5542.0, 5501.0, 5663.0, 5465.0, 5388.0, 5604.0, 5332.0, 5419.0, 5534.0, 5300.0, 5467.0, 5430.0, 5599.0, 5518.0, 5600.0, 5622.0, 5306.0, 5545.0, 5520.0, 5669.0, 5328.0, 5389.0, 5471.0, 5370.0, 5384.0, 5572.0, 5721.0, 5618.0, 5321.0, 5432.0, 5397.0, 5360.0, 5722.0, 5335.0, 5476.0, 5399.0, 5296.0, 5502.0, 5532.0, 5651.0, 5588.0, 5643.0, 5254.0, 5500.0, 5314.0, 5705.0, 5680.0, 5346.0, 5396.0, 5453.0, 5667.0, 5326.0, 5394.0, 5253.0, 5287.0, 5565.0, 5512.0, 5552.0, 5364.0, 5330.0, 5437.0, 5486.0, 5463.0, 5451.0, 5559.0, 5581.0, 5550.0, 5320.0, 5720.0, 5619.0, 5349.0, 5528.0, 5413.0, 5379.0, 5671.0, 5586.0, 5591.0, 5492.0, 5363.0, 5272.0, 5589.0, 5626.0

						(number of hits: 5)
12	5300	9	1	333	1	5555.0, 5605.0, 5333.0, 5680.0, 5353.0, 5314.0, 5659.0, 5662.0, 5541.0, 5351.0, 5256.0, 5476.0, 5487.0, 5539.0, 5339.0, 5258.0, 5310.0, 5654.0, 5404.0, 5251.0, 5345.0, 5268.0, 5434.0, 5670.0, 5264.0, 5402.0, 5641.0, 5320.0, 5444.0, 5389.0, 5532.0, 5472.0, 5295.0, 5573.0, 5585.0, 5301.0, 5335.0, 5709.0, 5499.0, 5653.0, 5702.0, 5515.0, 5254.0, 5429.0, 5280.0, 5615.0, 5510.0, 5443.0, 5390.0, 5556.0, 5697.0, 5637.0, 5513.0, 5665.0, 5507.0, 5360.0, 5431.0, 5564.0, 5580.0, 5392.0, 5366.0, 5695.0, 5357.0, 5640.0, 5519.0, 5326.0, 5663.0, 5253.0, 5505.0, 5340.0, 5252.0, 5704.0, 5290.0, 5592.0, 5588.0, 5597.0, 5606.0, 5657.0, 5553.0, 5381.0, 5374.0, 5331.0, 5500.0, 5713.0, 5551.0, 5576.0, 5491.0, 5682.0, 5321.0, 5465.0, 5372.0, 5639.0, 5583.0, 5535.0, 5455.0, 5377.0, 5413.0, 5708.0, 5273.0, 5528.0 (number of hits: 3)
13	5300	9	1	333	1	5532.0, 5488.0, 5570.0, 5440.0, 5518.0, 5707.0, 5309.0, 5653.0, 5643.0, 5298.0, 5345.0, 5316.0, 5400.0, 5486.0, 5538.0, 5335.0, 5422.0, 5545.0, 5275.0, 5503.0, 5652.0, 5704.0, 5338.0, 5325.0, 5498.0, 5579.0, 5715.0, 5478.0, 5465.0, 5417.0, 5254.0, 5299.0, 5689.0, 5318.0, 5614.0, 5470.0, 5528.0, 5404.0, 5253.0, 5626.0, 5630.0, 5710.0, 5394.0, 5257.0, 5717.0, 5281.0, 5307.0, 5680.0, 5548.0, 5312.0, 5351.0, 5456.0, 5541.0, 5687.0, 5534.0, 5688.0, 5487.0, 5631.0, 5673.0, 5297.0, 5604.0, 5496.0, 5523.0, 5642.0, 5454.0, 5525.0, 5542.0, 5280.0, 5339.0, 5388.0, 5379.0, 5554.0, 5526.0, 5284.0, 5366.0, 5348.0, 5531.0, 5655.0, 5674.0, 5527.0, 5502.0, 5408.0, 5407.0, 5288.0, 5582.0, 5261.0, 5679.0, 5648.0, 5293.0, 5419.0, 5390.0, 5450.0, 5598.0, 5370.0, 5543.0, 5494.0, 5308.0, 5441.0, 5443.0, 5295.0 (number of hits: 8)
14	5300	9	1	333	1	5350.0, 5510.0, 5678.0, 5318.0, 5486.0, 5403.0, 5506.0, 5376.0, 5292.0, 5324.0, 5629.0, 5614.0, 5320.0, 5329.0, 5256.0, 5537.0, 5399.0, 5453.0, 5473.0, 5480.0, 5383.0, 5319.0, 5349.0, 5378.0, 5481.0, 5546.0, 5428.0, 5270.0, 5664.0, 5684.0, 5702.0, 5536.0, 5477.0, 5283.0, 5534.0, 5460.0, 5718.0, 5674.0, 5254.0, 5516.0, 5321.0, 5451.0, 5602.0, 5447.0, 5706.0, 5533.0, 5606.0, 5275.0, 5604.0, 5637.0, 5498.0, 5582.0, 5257.0, 5429.0, 5411.0, 5471.0, 5439.0, 5330.0, 5341.0, 5618.0, 5253.0, 5688.0, 5529.0, 5525.0, 5298.0, 5281.0, 5644.0, 5263.0, 5519.0, 5347.0, 5394.0, 5425.0, 5670.0, 5504.0, 5572.0, 5342.0, 5446.0, 5514.0, 5605.0, 5705.0,

						5398.0, 5711.0, 5443.0, 5258.0, 5465.0, 5699.0, 5405.0, 5423.0, 5272.0, 5722.0, 5400.0, 5584.0, 5500.0, 5523.0, 5441.0, 5457.0, 5589.0, 5628.0, 5716.0, 5667.0 (number of hits: 2)
15	5300	9	1	333	1	5318.0, 5629.0, 5672.0, 5284.0, 5680.0, 5487.0, 5294.0, 5703.0, 5454.0, 5546.0, 5641.0, 5325.0, 5425.0, 5374.0, 5317.0, 5452.0, 5381.0, 5405.0, 5590.0, 5398.0, 5607.0, 5626.0, 5591.0, 5364.0, 5674.0, 5416.0, 5711.0, 5548.0, 5620.0, 5723.0, 5689.0, 5717.0, 5475.0, 5430.0, 5575.0, 5421.0, 5623.0, 5516.0, 5598.0, 5580.0, 5622.0, 5568.0, 5349.0, 5460.0, 5446.0, 5409.0, 5366.0, 5377.0, 5600.0, 5459.0, 5552.0, 5663.0, 5679.0, 5499.0, 5470.0, 5423.0, 5571.0, 5612.0, 5563.0, 5444.0, 5545.0, 5599.0, 5662.0, 5551.0, 5544.0, 5424.0, 5313.0, 5651.0, 5721.0, 5382.0, 5665.0, 5304.0, 5529.0, 5389.0, 5560.0, 5301.0, 5605.0, 5627.0, 5365.0, 5422.0, 5413.0, 5356.0, 5530.0, 5436.0, 5321.0, 5391.0, 5614.0, 5383.0, 5354.0, 5295.0, 5670.0, 5407.0, 5330.0, 5428.0, 5456.0, 5394.0, 5292.0, 5714.0, 5502.0, 5694.0 (number of hits: 5)
16	5300	9	1	333	1	5647.0, 5326.0, 5320.0, 5455.0, 5350.0, 5541.0, 5638.0, 5584.0, 5620.0, 5272.0, 5578.0, 5313.0, 5525.0, 5461.0, 5568.0, 5597.0, 5467.0, 5692.0, 5586.0, 5699.0, 5342.0, 5381.0, 5616.0, 5673.0, 5700.0, 5400.0, 5697.0, 5254.0, 5580.0, 5689.0, 5657.0, 5592.0, 5596.0, 5372.0, 5621.0, 5667.0, 5481.0, 5552.0, 5704.0, 5720.0, 5640.0, 5498.0, 5296.0, 5511.0, 5360.0, 5379.0, 5703.0, 5649.0, 5421.0, 5606.0, 5317.0, 5629.0, 5273.0, 5528.0, 5277.0, 5343.0, 5612.0, 5420.0, 5299.0, 5601.0, 5614.0, 5508.0, 5348.0, 5560.0, 5675.0, 5390.0, 5370.0, 5661.0, 5551.0, 5557.0, 5603.0, 5539.0, 5282.0, 5260.0, 5722.0, 5439.0, 5679.0, 5684.0, 5643.0, 5656.0, 5336.0, 5587.0, 5561.0, 5513.0, 5354.0, 5341.0, 5389.0, 5493.0, 5518.0, 5430.0, 5264.0, 5485.0, 5438.0, 5472.0, 5717.0, 5468.0, 5470.0, 5680.0, 5634.0, 5291.0 (number of hits: 3)
17	5300	9	1	333	1	5376.0, 5492.0, 5253.0, 5643.0, 5626.0, 5255.0, 5260.0, 5687.0, 5346.0, 5454.0, 5323.0, 5562.0, 5321.0, 5705.0, 5615.0, 5673.0, 5514.0, 5530.0, 5389.0, 5568.0, 5462.0, 5635.0, 5611.0, 5582.0, 5579.0, 5668.0, 5634.0, 5620.0, 5617.0, 5708.0, 5578.0, 5404.0, 5464.0, 5564.0, 5529.0, 5571.0, 5316.0, 5418.0, 5396.0, 5679.0, 5472.0, 5489.0, 5437.0, 5329.0, 5632.0, 5386.0, 5284.0, 5466.0, 5471.0, 5298.0, 5380.0, 5520.0, 5352.0, 5467.0, 5511.0, 5505.0, 5412.0, 5680.0, 5549.0, 5424.0,

						5324.0, 5328.0, 5429.0, 5554.0, 5337.0, 5593.0, 5256.0, 5696.0, 5443.0, 5693.0, 5275.0, 5399.0, 5442.0, 5347.0, 5637.0, 5712.0, 5410.0, 5519.0, 5638.0, 5382.0, 5408.0, 5431.0, 5624.0, 5407.0, 5543.0, 5709.0, 5556.0, 5373.0, 5383.0, 5479.0, 5403.0, 5694.0, 5539.0, 5279.0, 5664.0, 5501.0, 5413.0, 5724.0, 5339.0, 5563.0 (number of hits: 1)
18	5300	9	1	333	1	5429.0, 5676.0, 5604.0, 5307.0, 5595.0, 5601.0, 5526.0, 5712.0, 5508.0, 5552.0, 5383.0, 5409.0, 5476.0, 5422.0, 5639.0, 5692.0, 5353.0, 5290.0, 5450.0, 5522.0, 5338.0, 5675.0, 5498.0, 5550.0, 5432.0, 5547.0, 5501.0, 5252.0, 5499.0, 5403.0, 5329.0, 5682.0, 5532.0, 5620.0, 5586.0, 5617.0, 5325.0, 5333.0, 5568.0, 5579.0, 5263.0, 5352.0, 5571.0, 5544.0, 5318.0, 5661.0, 5580.0, 5492.0, 5716.0, 5635.0, 5440.0, 5655.0, 5313.0, 5638.0, 5381.0, 5687.0, 5433.0, 5574.0, 5504.0, 5652.0, 5697.0, 5471.0, 5634.0, 5573.0, 5565.0, 5701.0, 5576.0, 5406.0, 5388.0, 5721.0, 5478.0, 5627.0, 5631.0, 5454.0, 5690.0, 5622.0, 5463.0, 5274.0, 5656.0, 5665.0, 5418.0, 5588.0, 5430.0, 5564.0, 5518.0, 5517.0, 5380.0, 5672.0, 5310.0, 5250.0, 5539.0, 5458.0, 5415.0, 5673.0, 5489.0, 5445.0, 5691.0, 5603.0, 5663.0, 5556.0 (number of hits: 2)
19	5300	9	1	333	1	5644.0, 5354.0, 5515.0, 5315.0, 5592.0, 5301.0, 5536.0, 5463.0, 5649.0, 5285.0, 5525.0, 5322.0, 5387.0, 5631.0, 5601.0, 5638.0, 5717.0, 5614.0, 5562.0, 5450.0, 5701.0, 5407.0, 5478.0, 5589.0, 5680.0, 5716.0, 5599.0, 5565.0, 5254.0, 5516.0, 5358.0, 5634.0, 5555.0, 5604.0, 5654.0, 5522.0, 5451.0, 5579.0, 5671.0, 5311.0, 5366.0, 5514.0, 5610.0, 5435.0, 5573.0, 5357.0, 5460.0, 5721.0, 5292.0, 5380.0, 5498.0, 5563.0, 5330.0, 5602.0, 5657.0, 5643.0, 5494.0, 5713.0, 5483.0, 5694.0, 5343.0, 5678.0, 5715.0, 5394.0, 5537.0, 5664.0, 5705.0, 5395.0, 5400.0, 5347.0, 5676.0, 5282.0, 5255.0, 5433.0, 5260.0, 5446.0, 5325.0, 5534.0, 5481.0, 5442.0, 5371.0, 5351.0, 5383.0, 5364.0, 5538.0, 5677.0, 5642.0, 5388.0, 5584.0, 5647.0, 5385.0, 5526.0, 5303.0, 5637.0, 5411.0, 5540.0, 5420.0, 5382.0, 5274.0, 5633.0 (number of hits: 3)
20	5300	9	1	333	1	5636.0, 5444.0, 5518.0, 5279.0, 5582.0, 5538.0, 5528.0, 5719.0, 5328.0, 5637.0, 5342.0, 5321.0, 5724.0, 5509.0, 5681.0, 5466.0, 5671.0, 5683.0, 5332.0, 5350.0, 5608.0, 5391.0, 5709.0, 5494.0, 5431.0, 5580.0, 5502.0, 5364.0, 5434.0, 5513.0, 5435.0, 5565.0, 5330.0, 5476.0, 5261.0, 5450.0, 5676.0, 5609.0, 5377.0, 5510.0,

						5511.0, 5718.0, 5314.0, 5452.0, 5297.0, 5579.0, 5371.0, 5406.0, 5717.0, 5490.0, 5618.0, 5644.0, 5542.0, 5362.0, 5278.0, 5300.0, 5612.0, 5277.0, 5319.0, 5347.0, 5483.0, 5652.0, 5526.0, 5593.0, 5481.0, 5340.0, 5369.0, 5625.0, 5539.0, 5694.0, 5463.0, 5417.0, 5310.0, 5337.0, 5592.0, 5307.0, 5276.0, 5375.0, 5320.0, 5624.0, 5380.0, 5645.0, 5633.0, 5589.0, 5290.0, 5619.0, 5571.0, 5303.0, 5442.0, 5527.0, 5491.0, 5251.0, 5259.0, 5715.0, 5605.0, 5586.0, 5454.0, 5503.0, 5461.0, 5670.0 (number of hits: 5)
21	5300	9	1	333	1	5528.0, 5283.0, 5252.0, 5390.0, 5671.0, 5615.0, 5497.0, 5444.0, 5488.0, 5521.0, 5480.0, 5544.0, 5412.0, 5513.0, 5597.0, 5465.0, 5418.0, 5527.0, 5427.0, 5286.0, 5579.0, 5703.0, 5516.0, 5662.0, 5551.0, 5614.0, 5558.0, 5318.0, 5714.0, 5308.0, 5342.0, 5455.0, 5664.0, 5589.0, 5255.0, 5303.0, 5458.0, 5439.0, 5394.0, 5437.0, 5325.0, 5271.0, 5346.0, 5510.0, 5704.0, 5275.0, 5573.0, 5485.0, 5696.0, 5311.0, 5261.0, 5540.0, 5583.0, 5333.0, 5426.0, 5648.0, 5604.0, 5538.0, 5543.0, 5588.0, 5571.0, 5274.0, 5622.0, 5440.0, 5514.0, 5256.0, 5374.0, 5634.0, 5688.0, 5697.0, 5621.0, 5298.0, 5400.0, 5258.0, 5457.0, 5539.0, 5642.0, 5713.0, 5602.0, 5649.0, 5335.0, 5605.0, 5639.0, 5603.0, 5331.0, 5666.0, 5295.0, 5490.0, 5307.0, 5395.0, 5389.0, 5535.0, 5327.0, 5294.0, 5511.0, 5475.0, 5626.0, 5288.0, 5529.0, 5668.0 (number of hits: 6)
22	5300	9	1	333	1	5697.0, 5516.0, 5648.0, 5278.0, 5443.0, 5423.0, 5398.0, 5331.0, 5460.0, 5354.0, 5294.0, 5702.0, 5364.0, 5570.0, 5629.0, 5527.0, 5404.0, 5579.0, 5281.0, 5696.0, 5614.0, 5714.0, 5425.0, 5357.0, 5638.0, 5467.0, 5333.0, 5580.0, 5538.0, 5544.0, 5504.0, 5299.0, 5465.0, 5343.0, 5693.0, 5556.0, 5581.0, 5477.0, 5292.0, 5408.0, 5259.0, 5269.0, 5468.0, 5522.0, 5367.0, 5450.0, 5518.0, 5677.0, 5724.0, 5464.0, 5285.0, 5595.0, 5604.0, 5444.0, 5512.0, 5599.0, 5286.0, 5455.0, 5675.0, 5277.0, 5377.0, 5699.0, 5694.0, 5671.0, 5630.0, 5373.0, 5329.0, 5330.0, 5519.0, 5414.0, 5502.0, 5587.0, 5469.0, 5478.0, 5325.0, 5418.0, 5445.0, 5596.0, 5254.0, 5623.0, 5365.0, 5535.0, 5549.0, 5442.0, 5678.0, 5508.0, 5627.0, 5540.0, 5682.0, 5690.0, 5372.0, 5578.0, 5383.0, 5390.0, 5369.0, 5721.0, 5651.0, 5447.0, 5667.0, 5593.0 (number of hits: 3)
23	5300	9	1	333	1	5404.0, 5344.0, 5255.0, 5547.0, 5610.0, 5533.0, 5675.0, 5679.0, 5632.0, 5476.0, 5602.0, 5469.0, 5287.0, 5536.0, 5647.0, 5291.0, 5358.0, 5624.0, 5274.0, 5474.0,

						5535.0, 5313.0, 5472.0, 5341.0, 5473.0, 5467.0, 5298.0, 5413.0, 5713.0, 5342.0, 5620.0, 5322.0, 5453.0, 5436.0, 5482.0, 5670.0, 5366.0, 5345.0, 5296.0, 5314.0, 5576.0, 5525.0, 5333.0, 5556.0, 5690.0, 5643.0, 5667.0, 5614.0, 5608.0, 5352.0, 5601.0, 5507.0, 5590.0, 5485.0, 5692.0, 5327.0, 5449.0, 5481.0, 5447.0, 5350.0, 5587.0, 5415.0, 5348.0, 5258.0, 5306.0, 5318.0, 5559.0, 5714.0, 5666.0, 5301.0, 5696.0, 5308.0, 5457.0, 5264.0, 5634.0, 5491.0, 5703.0, 5394.0, 5392.0, 5694.0, 5508.0, 5605.0, 5723.0, 5627.0, 5581.0, 5524.0, 5668.0, 5671.0, 5488.0, 5534.0, 5623.0, 5363.0, 5504.0, 5456.0, 5330.0, 5468.0, 5446.0, 5518.0, 5644.0, 5315.0 (number of hits: 6)
24	5300	9	1	333	1	5621.0, 5368.0, 5323.0, 5518.0, 5711.0, 5610.0, 5685.0, 5326.0, 5265.0, 5406.0, 5380.0, 5719.0, 5546.0, 5447.0, 5277.0, 5390.0, 5418.0, 5397.0, 5434.0, 5448.0, 5568.0, 5324.0, 5653.0, 5461.0, 5334.0, 5708.0, 5513.0, 5338.0, 5466.0, 5425.0, 5482.0, 5389.0, 5467.0, 5452.0, 5426.0, 5269.0, 5275.0, 5264.0, 5268.0, 5535.0, 5258.0, 5498.0, 5668.0, 5629.0, 5279.0, 5346.0, 5527.0, 5675.0, 5679.0, 5699.0, 5465.0, 5526.0, 5374.0, 5561.0, 5280.0, 5575.0, 5609.0, 5288.0, 5458.0, 5460.0, 5605.0, 5523.0, 5292.0, 5555.0, 5395.0, 5573.0, 5676.0, 5688.0, 5642.0, 5724.0, 5619.0, 5504.0, 5672.0, 5356.0, 5716.0, 5654.0, 5404.0, 5320.0, 5478.0, 5488.0, 5572.0, 5309.0, 5565.0, 5420.0, 5576.0, 5539.0, 5657.0, 5260.0, 5270.0, 5564.0, 5284.0, 5337.0, 5541.0, 5507.0, 5457.0, 5583.0, 5283.0, 5413.0, 5364.0, 5545.0 (number of hits: 2)
25	5300	9	1	333	1	5286.0, 5633.0, 5563.0, 5686.0, 5720.0, 5550.0, 5378.0, 5338.0, 5300.0, 5262.0, 5390.0, 5606.0, 5578.0, 5567.0, 5468.0, 5268.0, 5308.0, 5697.0, 5397.0, 5443.0, 5615.0, 5517.0, 5619.0, 5593.0, 5365.0, 5436.0, 5375.0, 5669.0, 5252.0, 5604.0, 5342.0, 5255.0, 5688.0, 5519.0, 5535.0, 5263.0, 5438.0, 5352.0, 5667.0, 5383.0, 5361.0, 5696.0, 5586.0, 5573.0, 5529.0, 5672.0, 5499.0, 5576.0, 5558.0, 5421.0, 5321.0, 5656.0, 5496.0, 5635.0, 5642.0, 5524.0, 5305.0, 5690.0, 5549.0, 5290.0, 5538.0, 5319.0, 5470.0, 5314.0, 5373.0, 5424.0, 5459.0, 5583.0, 5617.0, 5488.0, 5376.0, 5581.0, 5461.0, 5663.0, 5711.0, 5661.0, 5556.0, 5504.0, 5680.0, 5546.0, 5700.0, 5437.0, 5464.0, 5374.0, 5572.0, 5261.0, 5422.0, 5404.0, 5315.0, 5310.0, 5630.0, 5400.0, 5637.0, 5527.0, 5306.0, 5481.0, 5414.0, 5664.0, 5671.0, 5366.0 (number of hits: 5)

26	5300	9	1	333	1	5589.0, 5638.0, 5333.0, 5348.0, 5447.0, 5297.0, 5659.0, 5263.0, 5702.0, 5535.0, 5545.0, 5329.0, 5418.0, 5430.0, 5355.0, 5510.0, 5585.0, 5546.0, 5674.0, 5328.0, 5554.0, 5346.0, 5591.0, 5445.0, 5556.0, 5362.0, 5671.0, 5483.0, 5557.0, 5563.0, 5485.0, 5518.0, 5597.0, 5272.0, 5704.0, 5560.0, 5527.0, 5475.0, 5257.0, 5577.0, 5432.0, 5688.0, 5398.0, 5588.0, 5496.0, 5354.0, 5606.0, 5551.0, 5444.0, 5574.0, 5450.0, 5547.0, 5451.0, 5474.0, 5402.0, 5692.0, 5493.0, 5573.0, 5498.0, 5290.0, 5319.0, 5395.0, 5397.0, 5525.0, 5555.0, 5285.0, 5594.0, 5533.0, 5311.0, 5666.0, 5719.0, 5393.0, 5586.0, 5654.0, 5264.0, 5513.0, 5583.0, 5275.0, 5575.0, 5261.0, 5693.0, 5370.0, 5426.0, 5256.0, 5343.0, 5392.0, 5599.0, 5291.0, 5660.0, 5529.0, 5690.0, 5536.0, 5401.0, 5421.0, 5526.0, 5455.0, 5300.0, 5598.0, 5699.0, 5435.0 (number of hits: 4)
27	5300	9	1	333	1	5540.0, 5475.0, 5361.0, 5504.0, 5648.0, 5558.0, 5501.0, 5382.0, 5417.0, 5662.0, 5380.0, 5429.0, 5553.0, 5377.0, 5608.0, 5499.0, 5701.0, 5445.0, 5578.0, 5589.0, 5401.0, 5506.0, 5549.0, 5368.0, 5697.0, 5502.0, 5323.0, 5614.0, 5375.0, 5326.0, 5304.0, 5308.0, 5640.0, 5562.0, 5488.0, 5673.0, 5474.0, 5306.0, 5565.0, 5453.0, 5317.0, 5717.0, 5642.0, 5479.0, 5477.0, 5649.0, 5508.0, 5601.0, 5462.0, 5679.0, 5263.0, 5378.0, 5275.0, 5327.0, 5533.0, 5412.0, 5691.0, 5656.0, 5420.0, 5321.0, 5349.0, 5381.0, 5719.0, 5411.0, 5631.0, 5333.0, 5710.0, 5577.0, 5529.0, 5332.0, 5613.0, 5256.0, 5446.0, 5518.0, 5698.0, 5448.0, 5422.0, 5473.0, 5582.0, 5586.0, 5500.0, 5430.0, 5490.0, 5289.0, 5584.0, 5398.0, 5252.0, 5563.0, 5262.0, 5684.0, 5295.0, 5721.0, 5602.0, 5505.0, 5509.0, 5307.0, 5428.0, 5530.0, 5405.0, 5680.0 (number of hits: 5)
28	5300	9	1	333	1	5553.0, 5603.0, 5584.0, 5630.0, 5274.0, 5704.0, 5631.0, 5628.0, 5691.0, 5600.0, 5464.0, 5446.0, 5492.0, 5287.0, 5689.0, 5493.0, 5452.0, 5722.0, 5266.0, 5253.0, 5497.0, 5291.0, 5275.0, 5715.0, 5585.0, 5448.0, 5366.0, 5469.0, 5420.0, 5545.0, 5425.0, 5350.0, 5416.0, 5483.0, 5331.0, 5258.0, 5672.0, 5273.0, 5675.0, 5422.0, 5426.0, 5601.0, 5716.0, 5400.0, 5463.0, 5379.0, 5637.0, 5653.0, 5705.0, 5271.0, 5338.0, 5345.0, 5665.0, 5353.0, 5406.0, 5503.0, 5326.0, 5476.0, 5666.0, 5572.0, 5626.0, 5540.0, 5473.0, 5385.0, 5688.0, 5555.0, 5396.0, 5405.0, 5647.0, 5524.0, 5616.0, 5454.0, 5624.0, 5401.0, 5611.0, 5693.0, 5576.0, 5619.0, 5594.0, 5684.0, 5651.0, 5461.0, 5602.0, 5440.0, 5468.0,

						5560.0, 5686.0, 5411.0, 5662.0, 5658.0, 5699.0, 5256.0, 5480.0, 5392.0, 5342.0, 5259.0, 5293.0, 5657.0, 5569.0, 5567.0 (number of hits: 2)
29	5300	9	1	333	1	5405.0, 5330.0, 5586.0, 5534.0, 5310.0, 5675.0, 5496.0, 5638.0, 5421.0, 5473.0, 5494.0, 5277.0, 5336.0, 5613.0, 5409.0, 5708.0, 5291.0, 5609.0, 5703.0, 5351.0, 5342.0, 5654.0, 5633.0, 5437.0, 5571.0, 5721.0, 5457.0, 5576.0, 5466.0, 5624.0, 5343.0, 5673.0, 5252.0, 5344.0, 5383.0, 5287.0, 5371.0, 5319.0, 5501.0, 5592.0, 5401.0, 5569.0, 5560.0, 5322.0, 5313.0, 5276.0, 5513.0, 5594.0, 5530.0, 5578.0, 5394.0, 5537.0, 5258.0, 5559.0, 5442.0, 5683.0, 5432.0, 5384.0, 5607.0, 5554.0, 5325.0, 5489.0, 5510.0, 5529.0, 5709.0, 5551.0, 5696.0, 5588.0, 5524.0, 5523.0, 5575.0, 5541.0, 5556.0, 5553.0, 5318.0, 5479.0, 5315.0, 5359.0, 5395.0, 5549.0, 5300.0, 5518.0, 5545.0, 5349.0, 5388.0, 5543.0, 5690.0, 5456.0, 5472.0, 5627.0, 5643.0, 5296.0, 5447.0, 5484.0, 5679.0, 5470.0, 5306.0, 5309.0, 5702.0, 5507.0 (number of hits: 5)
30	5300	9	1	333	1	5302.0, 5418.0, 5542.0, 5513.0, 5652.0, 5306.0, 5252.0, 5310.0, 5388.0, 5595.0, 5563.0, 5535.0, 5402.0, 5711.0, 5257.0, 5604.0, 5717.0, 5631.0, 5709.0, 5287.0, 5274.0, 5286.0, 5493.0, 5618.0, 5584.0, 5303.0, 5501.0, 5325.0, 5382.0, 5655.0, 5291.0, 5601.0, 5528.0, 5570.0, 5646.0, 5343.0, 5533.0, 5311.0, 5323.0, 5403.0, 5668.0, 5647.0, 5550.0, 5420.0, 5481.0, 5634.0, 5529.0, 5721.0, 5385.0, 5571.0, 5611.0, 5347.0, 5565.0, 5549.0, 5447.0, 5679.0, 5370.0, 5452.0, 5465.0, 5290.0, 5438.0, 5449.0, 5539.0, 5469.0, 5327.0, 5558.0, 5541.0, 5258.0, 5642.0, 5551.0, 5625.0, 5723.0, 5694.0, 5485.0, 5505.0, 5532.0, 5510.0, 5635.0, 5627.0, 5293.0, 5552.0, 5693.0, 5396.0, 5444.0, 5555.0, 5560.0, 5273.0, 5453.0, 5272.0, 5708.0, 5544.0, 5434.0, 5613.0, 5383.0, 5416.0, 5331.0, 5341.0, 5624.0, 5499.0, 5430.0 (number of hits: 6)

5500 MHz, 20 MHz Bandwidth

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

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

Radar Type	Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
Type 1A	1	5500	70	1	758	1
	2	5500	65	1	818	1
	3	5500	59	1	898	1
	4	5500	92	1	578	1
	5	5500	67	1	798	1
	6	5500	57	1	938	1
	7	5500	72	1	738	1
	8	5500	89	1	598	1
	9	5500	63	1	838	1
	10	5500	68	1	778	1
	11	5500	86	1	618	1
	12	5500	61	1	878	1
	13	5500	99	1	538	1
	14	5500	78	1	678	1
	15	5500	83	1	638	1
Type 1B	16	5500	18	1	2973	1
	17	5500	28	1	1944	1
	18	5500	64	1	833	1
	19	5500	46	1	1156	1
	20	5500	27	1	2020	1
	21	5500	20	1	2750	1
	22	5500	44	1	1204	1
	23	5500	19	1	2883	1
	24	5500	44	1	1209	1
	25	5500	24	1	2277	1
	26	5500	28	1	1941	1
	27	5500	34	1	1592	1
	28	5500	30	1	1813	1
	29	5500	20	1	2718	1
	30	5500	33	1	1604	1
Detection Percentage: 100 % (>60%)						

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	29	1.4	156	1
2	5500	23	4.4	164	1
3	5500	24	1.5	156	1
4	5500	29	1.4	177	0
5	5500	24	1.3	162	1
6	5500	25	3.4	155	1
7	5500	29	2.9	225	1
8	5500	29	3.2	226	1
9	5500	27	4	194	1
10	5500	25	1.2	218	0
11	5500	23	4.2	192	1
12	5500	24	1.8	176	1
13	5500	28	4.2	226	0
14	5500	28	4.3	158	1
15	5500	29	1.9	171	1
16	5500	24	1.2	151	1
17	5500	24	4.4	205	1
18	5500	25	1.6	165	1
19	5500	27	2.1	228	0
20	5500	26	1.9	173	0
21	5500	25	1.9	168	0
22	5500	27	4.7	201	1
23	5500	26	4.1	219	1
24	5500	28	3.9	162	1
25	5500	25	3.3	167	1
26	5500	24	5	171	1
27	5500	29	4.5	150	1
28	5500	27	3	229	1
29	5500	27	3.2	207	1
30	5500	24	1.4	168	1
Detection Percentage: 80 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	18	8.7	390	1
2	5500	17	8.3	415	1
3	5500	16	9.2	289	1
4	5500	17	7.7	380	1
5	5500	16	9.2	498	1
6	5500	18	10	308	1
7	5500	18	8.7	490	1
8	5500	17	9.2	472	1
9	5500	18	6.7	428	1
10	5500	18	6.2	223	1
11	5500	16	7.8	368	1
12	5500	18	7.9	306	1
13	5500	17	6.5	287	1
14	5500	17	8	469	1
15	5500	17	7	419	1
16	5500	16	9.4	243	1
17	5500	16	9.7	447	1
18	5500	18	6.3	447	1
19	5500	17	6.1	301	1
20	5500	17	9.4	438	1
21	5500	17	9.8	214	1
22	5500	18	9.2	434	1
23	5500	17	9.4	209	1
24	5500	16	7.1	439	1
25	5500	17	6.6	294	1
26	5500	16	6	491	1
27	5500	16	9.6	424	1
28	5500	16	7.7	220	1
29	5500	18	7.4	438	1
30	5500	18	10	436	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	13	18.9	272	1
2	5500	14	12.9	436	1
3	5500	13	17.3	228	1
4	5500	12	11.4	495	1
5	5500	16	17.9	229	1
6	5500	16	18.9	329	1
7	5500	14	20	459	1
8	5500	16	14.4	230	1
9	5500	13	19.2	455	1
10	5500	14	11.7	210	1
11	5500	12	13.6	477	1
12	5500	13	18.6	443	1
13	5500	12	18.6	250	1
14	5500	14	19.7	297	1
15	5500	13	19.2	443	1
16	5500	16	13.3	399	1
17	5500	15	19.2	277	1
18	5500	12	17.1	403	1
19	5500	13	12.6	381	1
20	5500	13	13.6	275	1
21	5500	12	12.1	372	1
22	5500	15	18.7	461	1
23	5500	13	14.5	237	1
24	5500	13	17.7	350	1
25	5500	12	14.2	261	1
26	5500	14	19.1	207	1
27	5500	13	16	473	1
28	5500	12	13.6	451	1
29	5500	13	18.5	211	1
30	5500	15	19.2	419	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance
Bin5 Statistics 1

Frequency: 5497 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	66.5	1853	1818	0.827961	1
1	2	10	99.2	1604		1.14127	
2	2	17	75	1484		2.211809	
3	2	8	90.3	1619		3.006554	
4	3	17	85.9	1279	1080	4.128597	
5	1	19	94.7			5.256829	
6	2	6	76.1	1682		6.779144	
7	1	15	99.6			7.921494	
8	2	6	72.7	1837		8.402081	
9	3	6	63.4	1790	1985	9.75978	
10	1	5	77.3			10.144097	
11	2	8	66	1992		11.16945	

Bin5 Statistics 2

Frequency: 5493 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	87.9	1557	1979	0.693646	1
1	2	15	54.1	1975		1.031061	
2	2	7	56.6	1323		1.613802	
3	2	5	88.9	1050		2.436965	
4	2	16	98.8	1788		2.846027	
5	1	10	61.9			4.044391	
6	2	9	81.1	1166		4.631253	
7	3	10	92.1	1831	1991	5.330986	
8	2	18	72.1	1274		6.347541	
9	2	13	56.5	1799		6.69308	
10	3	12	92.2	1161	1724	7.394929	
11	2	13	96.8	1876		7.983845	
12	1	13	86.3			8.568598	
13	3	10	78.7	1331	1298	9.643037	
14	2	13	74.6	1693		10.536085	
15	3	8	80.4	1977	1068	11.149226	
16	2	13	61.3	1801		11.787631	

Bin5 Statistics 3
Frequency: 5499 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	55.2			1.029891	
1	3	17	51.9	1593	1096	1.304778	
2	3	19	86.0	1096	1017	2.549461	
3	2	10	79.1	1778		3.801516	
4	2	6	96.7	1666		4.4252	
5	1	18	83.0			5.979644	1
6	3	6	55.2	1029	1274	6.848209	
7	2	18	74.7	1548		7.679594	
8	3	17	75.5	1250	1817	9.699457	
9	3	11	75.7	1037	1699	10.160746	
10	3	9	52.7	1633	1489	11.49277	

Bin5 Statistics 4
Frequency: 5504 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	68.3	1247		0.384701	
1	2	14	84.6	1286		0.704648	
2	2	13	95.4	1530		1.368167	
3	2	13	58.1	1415		2.001714	
4	2	17	100	1787		2.952638	
5	2	16	89.8	1199		3.602255	
6	2	16	63.2	1469		4.080746	
7	2	6	64.2	1038		4.605523	
8	2	12	82.2	1215		5.117389	
9	1	20	81.4			6.1069	1
10	1	17	60.6			6.418025	
11	2	16	97	1418		7.391023	
12	2	8	60.6	1455		7.608344	
13	1	18	70.9			8.768617	
14	1	13	61.3			9.401825	
15	3	13	77.3	1485	1518	9.883287	
16	1	15	99.8			10.410639	
17	3	9	94.7	1047	1748	11.157907	
18	1	13	68.1			11.451561	

Bin5 Statistics 5
Frequency: 5502 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	70.7			0.543672	1
1	3	12	70.3	1961	1687	1.023399	
2	2	17	99.4	1435		1.349984	
3	3	10	88.3	1277	1503	2.200324	
4	2	8	92.3	1071		2.913054	
5	2	18	51.3	1602		3.992762	
6	3	7	86.3	1498	1998	4.614007	
7	3	7	69.2	1666	1879	4.86093	
8	2	14	87.7	1369		5.931533	
9	2	12	78.1	1992		6.18764	
10	1	12	72.2			6.855643	
11	2	19	54.7	1057		7.847427	
12	2	8	63.9	1547		8.158153	
13	3	10	65.4	1956	1502	8.872797	
14	2	10	76.8	1514		9.868111	
15	2	20	98.4	1158		10.525719	
16	2	11	50.6	1932		10.722679	
17	2	12	58.1	1750		11.674196	

Bin5 Statistics 6
Frequency: 5499 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	78.8	1388	1616	0.367416	1
1	1	18	84.3			1.532479	
2	1	18	89.7			2.406686	
3	3	20	81.5	1819	1418	3.315318	
4	1	9	69.4			4.372187	
5	2	11	61.7	1681		4.903497	
6	2	17	97.7	1381		6.16179	
7	1	11	57.2			7.342811	
8	3	18	80.7	1668	1667	7.539941	
9	1	17	91.8			9.114508	
10	1	8	83.1			9.988872	
11	2	11	96.4	1953		10.831158	
12	2	18	95.9	1799		11.239051	

Bin5 Statistics 7

Frequency: 5496 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	93.7			1.180699	1
1	2	12	84.5	1249		1.714398	
2	3	13	78.9	1933	1187	4.138424	
3	2	18	77.1	1441		4.699583	
4	2	18	84.8	1145		6.02289	
5	1	6	80			8.061238	
6	2	10	67.9	1209		9.512883	
7	2	19	72.2	1349		11.388043	

Bin5 Statistics 8

Frequency: 5506 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	83.8	1615		0.138532	1
1	2	14	96.3	1769		1.215041	
2	2	17	65	1791		2.000338	
3	1	7	94.4			3.014413	
4	3	17	57.9	1898	1384	3.244751	
5	3	8	65.2	1735	1044	4.742348	
6	3	9	53.6	1349	1916	5.1633	
7	2	12	61.6	1076		5.989378	
8	2	8	84.7	1761		6.45788	
9	3	10	79.1	1259	1778	7.805839	
10	3	19	64.7	1776	1580	8.708077	
11	2	19	53.5	1339		8.869114	
12	2	12	68.3	1532		10.256623	
13	3	8	90.4	1244	1367	10.613683	
14	1	10	97.6			11.850566	

Bin5 Statistics 9
Frequency: 5504 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	83.2	1268		0.389064	
1	2	10	86.8	1424		1.403618	
2	2	15	72.1	1196		2.007858	
3	2	10	96.7	1975		2.607174	
4	1	17	75.3			3.26948	
5	2	11	75.3	1790		4.103065	
6	2	17	55.2	1038		4.41354	
7	2	18	74.8	1926		5.233959	
8	2	7	83.9	1955		5.807673	1
9	2	18	98	1989		6.458119	
10	2	19	59.4	1341		7.389382	
11	3	7	91.2	1263	1286	7.956834	
12	1	6	70.7			8.620586	
13	1	9	71.9			9.605507	
14	2	9	69.1	1140		10.364835	
15	2	15	90.3	1922		10.61215	
16	1	11	58.8			11.466772	

Bin5 Statistics 10
Frequency: 5494 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	91.4			0.26931	
1	2	8	79.3	1162		1.321938	
2	2	18	83.9	1415		1.652267	
3	3	14	53.8	1112	1018	2.862363	
4	3	18	56.3	1527	1551	3.453005	
5	2	13	93.3	1381		4.11101	
6	1	9	73.2			4.860347	
7	1	15	87.3			5.341335	
8	2	15	92.4	1936		6.148257	1
9	3	19	93.1	1216	1082	7.088213	
10	2	17	50.1	1861		7.799019	
11	2	15	93.5	1814		8.321329	
12	2	11	71.7	1105		9.205124	
13	2	13	76.4	1007		10.429691	
14	1	5	58			10.75393	
15	2	13	60.5	1827		11.813025	

Bin5 Statistics 11

Frequency: 5501 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	94.5	1009		0.69518	1
1	2	14	98.8	1304		1.297793	
2	1	17	69.7			1.910035	
3	2	16	85.4	1628		2.909965	
4	2	9	74	1980		4.172636	
5	2	15	51.1	1491		4.473114	
6	3	8	54.2	1687	1793	5.338917	
7	2	16	79.9	1166		6.278597	
8	3	13	86.1	1428	1466	7.104788	
9	2	16	61.9	1778		8.072068	
10	3	14	74	1996	1118	9.403408	
11	2	20	73	1165		9.913537	
12	1	10	93.4			10.79233	
13	3	19	54	1320	1092	11.149215	

Bin5 Statistics 12

Frequency: 5506 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	67	1810		0.75216	1
1	2	14	53.5	1799		0.923483	
2	2	19	60.5	1083		2.181749	
3	1	17	64.9			2.87773	
4	2	7	65.7	1207		3.441152	
5	2	8	87	1746		4.431947	
6	2	20	51.8	1415		5.084664	
7	1	17	99.9			5.918636	
8	2	15	99.6	1654		6.427873	
9	2	15	85.1	1021		7.544358	
10	1	8	60.3			8.297838	
11	3	16	66.9	1981	1982	9.273924	
12	2	18	90.1	1142		9.839224	
13	2	16	56.4	1588		10.972222	
14	3	16	94.2	1073	1274	11.31961	

Bin5 Statistics 13

Frequency: 5494 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	68.5	1640	1781	0.049741	1
1	2	10	73.4	1918		1.724845	
2	2	11	69.8	1055		2.780567	
3	1	12	79.7			4.087284	
4	1	12	78.6			5.893325	
5	2	19	80.8	1300		6.295141	
6	2	9	88.4	1696		7.316355	
7	3	8	66.8	1816	1809	8.838539	
8	3	18	83.7	1425	1816	10.303578	
9	1	8	75.8			10.977796	

Bin5 Statistics 14

Frequency: 5497 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	70.3			0.262798	1
1	3	17	66.8	1997	1956	0.912715	
2	2	13	92.5	1881		1.991645	
3	1	12	65.4			2.330169	
4	3	16	82.9	1312	1514	2.919547	
5	2	12	69.5	1130		3.545816	
6	3	6	79.6	1397	1208	4.392079	
7	2	12	53.8	1913		5.067302	
8	3	10	53.5	1445	1047	5.649947	
9	1	15	98.7			6.470858	
10	3	14	89.6	1102	1272	7.386352	
11	1	13	77.4			7.99987	
12	2	17	67.8	1928		8.807494	
13	2	17	62.6	1334		9.311918	
14	1	6	88.3			10.257422	
15	1	17	99.7			11.136018	
16	2	8	86.9	1081		11.336652	

Bin5 Statistics 15

Frequency: 5495 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	59.8	1838		0.842456	
1	2	19	63.8	1084		1.107481	
2	2	18	54.5	1717		2.123742	
3	2	8	66.3	1147		3.071053	
4	2	16	74.8	1541		3.830881	
5	2	16	67.4	1345		4.902235	
6	1	10	84.9			6.24834	1
7	2	14	85.5	1596		7.156682	
8	2	20	80.7	1090		7.610531	
9	2	20	86.1	1318		9.195036	
10	2	10	78.1	1887		9.418719	
11	1	10	61.1			11.018348	
12	2	6	74.2	1681		11.948478	

Bin5 Statistics 16

Frequency: 5498 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	74.7			0.845599	
1	1	18	64.5			1.358362	
2	2	15	53.9	1457		3.058632	
3	2	12	71.3	1264		4.404167	
4	3	13	71.4	1158	1296	5.976254	
5	2	13	66.4	1211		7.163227	1
6	2	10	68.5	1294		8.23333	
7	1	19	89.2			9.173977	
8	3	12	70.2	1034	1230	10.343014	
9	2	7	67.2	1053		11.433311	

Bin5 Statistics 17
Frequency: 5506 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	50.6	1458	1838	0.581571	
1	2	13	95.1	1656		1.509617	
2	2	19	61.3	1287		2.904596	
3	3	9	83.6	1606	1322	3.626584	
4	2	7	80.1	1121		5.2587	
5	1	9	51.6			5.889004	1
6	2	9	59.4	1560		7.57134	
7	2	14	89.4	1614		7.882928	
8	2	6	66.5	1701		8.84574	
9	3	5	56.4	1426	1995	9.864207	
10	1	15	87.6			11.780322	

Bin5 Statistics 18
Frequency: 5494 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	92.9	1361		0.043669	
1	2	8	87	1557		0.610652	
2	2	15	92	1183		1.555769	
3	2	13	59.8	1575		2.294876	
4	1	16	78.6			2.708254	
5	1	12	75.1			3.364283	
6	2	13	60.7	1742		4.180271	
7	2	10	63.3	1452		4.344725	
8	1	17	72.2			4.917199	
9	2	19	77.7	1219		5.456534	
10	1	14	62.7			6.57023	1
11	2	7	96.4	1721		6.678835	
12	1	9	65.3			7.633704	
13	1	15	86.6			8.130431	
14	2	9	83.8	1347		8.693943	
15	2	7	91.1	1269		9.210665	
16	2	8	77.3	1965		9.98124	
17	1	5	71.7			10.391024	
18	3	13	64.2	1436	1943	11.286883	
19	1	15	70.9			11.725009	

Bin5 Statistics 19

Frequency: 5500 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	51.8	1670		0.305361	
1	1	17	51.7			2.027276	
2	3	14	67.1	1771	1297	2.605941	
3	2	10	93.7	1120		4.131436	
4	2	16	66.2	1709		4.519078	
5	1	19	71.5			6.293065	1
6	2	12	70.1	1714		7.058591	
7	2	7	94	1255		7.951997	
8	2	16	81.5	1439		9.427372	
9	3	13	76.6	1838	1428	10.037679	
10	2	17	95.2	1447		11.770541	

Bin5 Statistics 20

Frequency: 5494 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	82.5	1435	1747	0.58483	
1	2	6	55.8	1980		1.573844	
2	2	7	57.3	1844		2.841141	
3	3	18	91.4	1122	1064	3.168609	
4	3	7	53.8	1733	1842	4.933579	
5	3	9	78.4	1328	1441	5.481293	
6	2	6	50.1	1814		6.076785	1
7	2	12	76.2	1951		7.132223	
8	3	14	65.2	1617	1493	8.566605	
9	2	19	56.9	1206		9.556122	
10	2	16	56.9	1843		10.636328	
11	3	15	75.8	1025	1904	11.573356	

Bin5 Statistics 21

Frequency: 5505 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	87.6	1562	1088	0.341243	1
1	1	15	86.3			1.387889	
2	2	8	90.8	1873		2.24014	
3	2	11	96.1	1914		2.574812	
4	3	9	59	1176	1412	3.538985	
5	1	14	86.3			4.638748	
6	1	9	53.3			5.447259	
7	2	8	75.7	1538		6.242255	
8	2	6	83.8	1316		7.66347	
9	3	16	58	1474	1957	7.866938	
10	1	7	86.7			9.334971	
11	3	19	80.5	1724	1017	9.602073	
12	2	15	71.7	1169		10.943274	
13	2	12	98.3	1956		11.182763	

Bin5 Statistics 22

Frequency: 5497 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	72.6	1001		0.766499	1
1	2	6	71.2	1540		2.533718	
2	1	8	51.2			3.398174	
3	2	11	84.5	1179		4.075827	
4	2	9	88.3	1835		6.216043	
5	3	13	90	1988	1929	7.896613	
6	2	7	73.3	1300		8.050998	
7	2	14	84.2	1632		9.652108	
8	2	11	74.6	1725		11.145764	

Bin5 Statistics 23

Frequency: 5492 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	98	1142		0.732876	1
1	2	19	74.3	1538		1.496128	
2	2	12	98.4	1058		2.023191	
3	2	6	79.8	1761		2.631079	
4	2	6	71.9	1005		3.6237	
5	3	11	56.4	1428	1109	4.843243	
6	1	11	53			5.82489	
7	2	6	75.8	1936		6.59118	
8	2	6	86	1992		6.994814	
9	3	20	58.3	1135	1079	7.962995	
10	3	15	52.3	1226	1602	9.308483	
11	2	17	68	1215		10.000952	
12	2	15	56.2	1397		11.106793	
13	3	19	50.7	1540	1773	11.848867	

Bin5 Statistics 24

Frequency: 5498 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	68.7			0.204857	1
1	2	11	98.9	1974		1.473026	
2	2	18	97	1627		2.225582	
3	2	14	97.6	1796		3.199908	
4	1	15	92.8			3.510039	
5	2	6	70.2	1226		4.469675	
6	2	7	86.6	1849		5.574611	
7	3	17	73.9	1339	1079	6.28163	
8	1	6	62.4			7.004914	
9	2	17	95.1	1896		8.235222	
10	3	10	61.1	1143	1137	8.709993	
11	2	10	50.7	1489		10.214277	
12	2	10	58.2	1747		10.986552	
13	1	12	53.3			11.81362	
0	1	13	68.7			0.204857	
1	2	11	98.9	1974		1.473026	

Bin5 Statistics 25

Frequency: 5496 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	72.7	1463		0.632823	1
1	1	16	65.9			1.567657	
2	2	7	78.2	1545		1.805513	
3	1	17	71.9			2.719118	
4	3	10	96.5	1816	1869	4.032641	
5	3	7	71.2	1581	1994	4.489984	
6	1	13	82.8			5.873083	
7	2	5	98.3	1958		6.031855	
8	1	6	92.2			7.473551	
9	2	10	93.4	1207		8.367691	
10	2	8	96.5	1094		8.790788	
11	2	13	79.9	1038		9.896045	
12	2	12	66.8	1685		11.074833	
13	2	6	78.7	1259		11.981473	

Bin5 Statistics 26

Frequency: 5506 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	85.1	1212		0.272198	1
1	3	15	94	1306	1338	2.303508	
2	1	20	85.5			4.258143	
3	2	8	79.5	1174		5.123894	
4	1	20	65.6			7.061113	
5	2	19	96.1	1450		7.946144	
6	3	13	96.1	1562	1943	10.215533	
7	2	20	85	1526		11.972815	

Bin5 Statistics 27

Frequency: 5499 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	62.2	1519		0.633372	1
1	2	15	54.4	1251		1.331733	
2	1	8	72.6			2.375279	
3	2	14	79.8	1996		3.116238	
4	2	19	69.5	1097		4.504414	
5	1	9	52.2			5.231322	
6	2	8	98	1285		6.752016	
7	2	12	86.1	1960		7.904825	
8	1	17	89.9			8.960542	
9	1	8	84.3			9.944572	
10	2	19	62.6	1714		10.1453	
11	2	8	76.5	1364		11.740405	

Bin5 Statistics 28

Frequency: 5499 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	55.9			0.065278	1
1	1	18	95.4			0.895044	
2	2	8	68.6	1249		1.631503	
3	3	10	93.3	1783	1705	2.332544	
4	2	8	63.5	1115		3.265652	
5	3	10	54.5	1062	1800	3.750452	
6	1	17	76			4.767084	
7	2	18	51.9	1488		5.578632	
8	3	19	99.3	1516	1120	6.713361	
9	3	9	52.1	1054	1505	7.24521	
10	1	13	88.8			8.154311	
11	3	12	69.5	1060	1828	8.801683	
12	1	18	66.5			9.708165	
13	2	9	60.9	1455		10.3321	
14	2	12	67.2	1666		10.557369	
15	2	7	86.6	1327		11.612385	

Bin5 Statistics 29

Frequency: 5493 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	78.2	1076		1.058485	1
1	2	9	96.7	1028		1.804064	
2	2	20	67.9	1647		2.422315	
3	2	7	97.9	1639		4.383083	
4	1	6	72.2			5.249387	
5	2	10	98.3	1824		6.345109	
6	3	7	87.7	1558	1370	8.372228	
7	2	11	59.9	1105		9.266718	
8	1	15	75.1			10.535162	
9	2	20	80.4	1516		11.336471	

Bin5 Statistics 30

Frequency: 5492 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	90.8	1717		0.119141	1
1	2	6	76.8	1314		0.897123	
2	2	14	58.6	1105		1.290328	
3	3	19	52.8	1521	1734	1.974091	
4	3	9	59.9	1712	1703	2.583388	
5	1	12	50.2			3.552328	
6	1	19	56.9			4.054138	
7	2	19	77.2	1638		4.307276	
8	1	17	88.9			5.168812	
9	2	15	61.4	1082		5.631897	
10	2	19	76.1	1197		6.378314	
11	3	15	87.4	1966	1299	7.177063	
12	2	18	51.3	1117		7.439242	
13	3	12	62.2	1194	1491	7.800847	
14	3	9	95.6	1626	1245	8.585764	
15	1	14	82.4			9.221804	
16	2	6	69.2	1437		10.138065	
17	1	15	87.5			10.27139	
18	2	17	79.2	1687		10.817084	
19	1	11	99.3			11.930468	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500	9	1	333	1	5396.0, 5289.0, 5480.0, 5558.0, 5464.0, 5279.0, 5702.0, 5533.0, 5265.0, 5660.0, 5351.0, 5258.0, 5678.0, 5465.0, 5653.0, 5693.0, 5302.0, 5400.0, 5303.0, 5348.0, 5500.0, 5603.0, 5647.0, 5510.0, 5503.0, 5325.0, 5326.0, 5600.0, 5294.0, 5345.0, 5300.0, 5268.0, 5690.0, 5521.0, 5709.0, 5574.0, 5311.0, 5391.0, 5334.0, 5297.0, 5630.0, 5640.0, 5656.0, 5451.0, 5537.0, 5576.0, 5592.0, 5594.0, 5352.0, 5648.0, 5534.0, 5681.0, 5251.0, 5553.0, 5319.0, 5587.0, 5291.0, 5317.0, 5668.0, 5452.0, 5468.0, 5530.0, 5323.0, 5308.0, 5372.0, 5646.0, 5488.0, 5254.0, 5431.0, 5520.0, 5571.0, 5321.0, 5330.0, 5347.0, 5676.0, 5622.0, 5293.0, 5439.0, 5621.0, 5522.0, 5724.0, 5309.0, 5625.0, 5405.0, 5667.0, 5489.0, 5671.0, 5581.0, 5301.0, 5689.0, 5281.0, 5385.0, 5462.0, 5583.0, 5657.0, 5637.0, 5604.0, 5481.0, 5596.0, 5590.0 (number of hits: 2)
2	5500	9	1	333	1	5347.0, 5302.0, 5687.0, 5500.0, 5577.0, 5414.0, 5450.0, 5345.0, 5520.0, 5261.0, 5706.0, 5413.0, 5553.0, 5679.0, 5583.0, 5542.0, 5678.0, 5674.0, 5572.0, 5685.0, 5281.0, 5412.0, 5333.0, 5459.0, 5418.0, 5621.0, 5308.0, 5544.0, 5289.0, 5277.0, 5379.0, 5600.0, 5565.0, 5483.0, 5620.0, 5314.0, 5278.0, 5386.0, 5523.0, 5480.0, 5663.0, 5254.0, 5644.0, 5396.0, 5646.0, 5381.0, 5584.0, 5260.0, 5645.0, 5367.0, 5339.0, 5291.0, 5575.0, 5549.0, 5715.0, 5403.0, 5586.0, 5406.0, 5618.0, 5371.0, 5299.0, 5303.0, 5576.0, 5486.0, 5521.0, 5501.0, 5376.0, 5458.0, 5369.0, 5605.0, 5708.0, 5455.0, 5671.0, 5320.0, 5651.0, 5322.0, 5415.0, 5358.0, 5635.0, 5652.0, 5436.0, 5659.0, 5427.0, 5380.0, 5439.0, 5707.0, 5461.0, 5327.0, 5384.0, 5445.0, 5560.0, 5340.0, 5360.0, 5401.0, 5692.0, 5528.0, 5279.0, 5722.0, 5555.0, 5574.0 (number of hits: 2)
3	5500	9	1	333	1	5647.0, 5459.0, 5659.0, 5561.0, 5445.0, 5528.0, 5593.0, 5334.0, 5427.0, 5639.0, 5256.0, 5309.0, 5402.0, 5318.0, 5415.0, 5423.0, 5395.0, 5271.0, 5468.0, 5475.0, 5331.0, 5638.0, 5603.0, 5683.0, 5509.0, 5496.0, 5431.0, 5681.0, 5419.0, 5524.0, 5391.0, 5633.0, 5435.0, 5492.0, 5569.0, 5386.0, 5604.0, 5675.0, 5622.0, 5326.0, 5548.0, 5598.0, 5510.0, 5439.0, 5693.0, 5462.0, 5537.0, 5597.0, 5564.0, 5264.0, 5340.0, 5322.0, 5623.0, 5321.0, 5349.0, 5424.0, 5269.0, 5426.0, 5428.0, 5304.0,

						5490.0, 5535.0, 5373.0, 5676.0, 5699.0, 5567.0, 5348.0, 5486.0, 5649.0, 5721.0, 5313.0, 5708.0, 5573.0, 5710.0, 5358.0, 5378.0, 5520.0, 5614.0, 5519.0, 5474.0, 5454.0, 5643.0, 5656.0, 5547.0, 5526.0, 5645.0, 5345.0, 5343.0, 5254.0, 5587.0, 5408.0, 5576.0, 5634.0, 5456.0, 5260.0, 5591.0, 5687.0, 5514.0, 5654.0, 5302.0 (number of hits: 4)
4	5500	9	1	333	1	5351.0, 5356.0, 5471.0, 5275.0, 5285.0, 5462.0, 5703.0, 5297.0, 5625.0, 5589.0, 5367.0, 5433.0, 5338.0, 5278.0, 5513.0, 5437.0, 5251.0, 5676.0, 5481.0, 5686.0, 5269.0, 5377.0, 5683.0, 5579.0, 5581.0, 5582.0, 5562.0, 5336.0, 5456.0, 5690.0, 5566.0, 5598.0, 5271.0, 5623.0, 5544.0, 5424.0, 5557.0, 5556.0, 5563.0, 5586.0, 5590.0, 5618.0, 5303.0, 5554.0, 5380.0, 5510.0, 5370.0, 5621.0, 5345.0, 5371.0, 5372.0, 5642.0, 5273.0, 5470.0, 5551.0, 5487.0, 5257.0, 5641.0, 5321.0, 5649.0, 5547.0, 5258.0, 5324.0, 5364.0, 5718.0, 5264.0, 5716.0, 5272.0, 5304.0, 5717.0, 5509.0, 5619.0, 5262.0, 5711.0, 5610.0, 5692.0, 5542.0, 5474.0, 5381.0, 5390.0, 5572.0, 5317.0, 5596.0, 5615.0, 5311.0, 5605.0, 5402.0, 5608.0, 5431.0, 5347.0, 5613.0, 5455.0, 5459.0, 5310.0, 5270.0, 5404.0, 5276.0, 5600.0, 5627.0, 5536.0 (number of hits: 1)
5	5500	9	1	333	1	5484.0, 5554.0, 5352.0, 5264.0, 5382.0, 5718.0, 5690.0, 5522.0, 5723.0, 5622.0, 5687.0, 5448.0, 5340.0, 5395.0, 5313.0, 5683.0, 5320.0, 5267.0, 5326.0, 5552.0, 5667.0, 5641.0, 5389.0, 5582.0, 5668.0, 5451.0, 5343.0, 5665.0, 5496.0, 5363.0, 5561.0, 5380.0, 5396.0, 5263.0, 5515.0, 5609.0, 5342.0, 5605.0, 5383.0, 5318.0, 5360.0, 5598.0, 5533.0, 5666.0, 5358.0, 5385.0, 5510.0, 5621.0, 5336.0, 5618.0, 5270.0, 5703.0, 5416.0, 5428.0, 5370.0, 5442.0, 5479.0, 5556.0, 5260.0, 5551.0, 5402.0, 5374.0, 5269.0, 5547.0, 5290.0, 5461.0, 5347.0, 5485.0, 5577.0, 5408.0, 5333.0, 5646.0, 5476.0, 5460.0, 5597.0, 5717.0, 5553.0, 5567.0, 5649.0, 5410.0, 5494.0, 5431.0, 5298.0, 5608.0, 5636.0, 5558.0, 5439.0, 5394.0, 5404.0, 5368.0, 5287.0, 5285.0, 5540.0, 5526.0, 5434.0, 5418.0, 5345.0, 5348.0, 5648.0, 5566.0 (number of hits: 2)
6	5500	9	1	333	1	5666.0, 5468.0, 5668.0, 5260.0, 5527.0, 5699.0, 5385.0, 5277.0, 5309.0, 5444.0, 5386.0, 5369.0, 5397.0, 5451.0, 5463.0, 5331.0, 5517.0, 5524.0, 5674.0, 5501.0, 5279.0, 5476.0, 5415.0, 5405.0, 5515.0, 5576.0, 5643.0, 5617.0, 5704.0, 5547.0, 5513.0, 5491.0, 5721.0, 5507.0, 5330.0, 5426.0, 5589.0, 5691.0, 5435.0, 5519.0,

						5528.0, 5431.0, 5446.0, 5609.0, 5261.0, 5263.0, 5570.0, 5594.0, 5295.0, 5410.0, 5381.0, 5343.0, 5629.0, 5327.0, 5291.0, 5349.0, 5667.0, 5267.0, 5490.0, 5461.0, 5556.0, 5632.0, 5713.0, 5533.0, 5679.0, 5690.0, 5372.0, 5625.0, 5603.0, 5682.0, 5535.0, 5497.0, 5303.0, 5255.0, 5432.0, 5411.0, 5618.0, 5437.0, 5257.0, 5482.0, 5299.0, 5294.0, 5580.0, 5383.0, 5429.0, 5440.0, 5705.0, 5672.0, 5272.0, 5590.0, 5361.0, 5471.0, 5392.0, 5628.0, 5315.0, 5571.0, 5365.0, 5506.0, 5302.0, 5577.0 (number of hits: 6)
7	5500	9	1	333	1	5629.0, 5679.0, 5284.0, 5569.0, 5348.0, 5524.0, 5453.0, 5333.0, 5420.0, 5613.0, 5404.0, 5667.0, 5363.0, 5553.0, 5600.0, 5718.0, 5599.0, 5611.0, 5280.0, 5580.0, 5720.0, 5488.0, 5326.0, 5543.0, 5593.0, 5417.0, 5715.0, 5510.0, 5329.0, 5369.0, 5706.0, 5503.0, 5531.0, 5602.0, 5303.0, 5627.0, 5412.0, 5454.0, 5518.0, 5595.0, 5382.0, 5687.0, 5416.0, 5266.0, 5331.0, 5712.0, 5487.0, 5459.0, 5431.0, 5291.0, 5590.0, 5457.0, 5298.0, 5364.0, 5492.0, 5483.0, 5358.0, 5429.0, 5690.0, 5645.0, 5359.0, 5401.0, 5445.0, 5257.0, 5447.0, 5654.0, 5397.0, 5688.0, 5559.0, 5391.0, 5338.0, 5283.0, 5722.0, 5419.0, 5710.0, 5360.0, 5312.0, 5535.0, 5456.0, 5704.0, 5633.0, 5516.0, 5597.0, 5530.0, 5717.0, 5386.0, 5464.0, 5330.0, 5506.0, 5379.0, 5497.0, 5658.0, 5439.0, 5680.0, 5352.0, 5650.0, 5635.0, 5668.0, 5311.0, 5660.0 (number of hits: 4)
8	5500	9	1	333	1	5314.0, 5661.0, 5288.0, 5435.0, 5521.0, 5564.0, 5296.0, 5421.0, 5424.0, 5566.0, 5618.0, 5532.0, 5452.0, 5307.0, 5642.0, 5339.0, 5607.0, 5599.0, 5494.0, 5304.0, 5273.0, 5516.0, 5423.0, 5621.0, 5615.0, 5436.0, 5652.0, 5278.0, 5319.0, 5644.0, 5689.0, 5287.0, 5321.0, 5531.0, 5547.0, 5355.0, 5512.0, 5368.0, 5501.0, 5414.0, 5669.0, 5275.0, 5705.0, 5681.0, 5422.0, 5537.0, 5308.0, 5535.0, 5651.0, 5670.0, 5453.0, 5500.0, 5470.0, 5690.0, 5687.0, 5601.0, 5395.0, 5633.0, 5639.0, 5484.0, 5491.0, 5357.0, 5366.0, 5280.0, 5451.0, 5528.0, 5699.0, 5608.0, 5643.0, 5380.0, 5704.0, 5419.0, 5550.0, 5403.0, 5546.0, 5523.0, 5513.0, 5384.0, 5611.0, 5344.0, 5636.0, 5260.0, 5441.0, 5692.0, 5394.0, 5420.0, 5415.0, 5622.0, 5324.0, 5464.0, 5650.0, 5320.0, 5498.0, 5354.0, 5645.0, 5710.0, 5578.0, 5381.0, 5540.0, 5591.0 (number of hits: 5)
9	5500	9	1	333	1	5537.0, 5264.0, 5674.0, 5625.0, 5448.0, 5429.0, 5435.0, 5622.0, 5636.0, 5399.0, 5500.0, 5255.0, 5455.0, 5581.0, 5575.0, 5420.0, 5299.0, 5495.0, 5355.0, 5560.0,

						5553.0, 5655.0, 5691.0, 5642.0, 5693.0, 5269.0, 5274.0, 5634.0, 5486.0, 5342.0, 5491.0, 5388.0, 5700.0, 5260.0, 5377.0, 5328.0, 5365.0, 5643.0, 5591.0, 5611.0, 5612.0, 5438.0, 5300.0, 5518.0, 5281.0, 5351.0, 5482.0, 5253.0, 5522.0, 5586.0, 5422.0, 5336.0, 5719.0, 5565.0, 5286.0, 5672.0, 5371.0, 5617.0, 5596.0, 5717.0, 5334.0, 5517.0, 5606.0, 5385.0, 5698.0, 5285.0, 5349.0, 5616.0, 5688.0, 5472.0, 5504.0, 5525.0, 5258.0, 5312.0, 5646.0, 5524.0, 5293.0, 5638.0, 5678.0, 5682.0, 5268.0, 5568.0, 5430.0, 5324.0, 5538.0, 5416.0, 5314.0, 5695.0, 5315.0, 5468.0, 5279.0, 5668.0, 5453.0, 5353.0, 5442.0, 5715.0, 5659.0, 5580.0, 5687.0, 5650.0 (number of hits: 4)
10	5500	9	1	333	1	5632.0, 5502.0, 5687.0, 5620.0, 5351.0, 5607.0, 5289.0, 5681.0, 5663.0, 5279.0, 5544.0, 5413.0, 5650.0, 5311.0, 5522.0, 5643.0, 5372.0, 5534.0, 5398.0, 5370.0, 5328.0, 5535.0, 5399.0, 5377.0, 5403.0, 5354.0, 5340.0, 5444.0, 5566.0, 5578.0, 5256.0, 5595.0, 5443.0, 5549.0, 5593.0, 5648.0, 5341.0, 5576.0, 5378.0, 5424.0, 5644.0, 5491.0, 5397.0, 5338.0, 5591.0, 5331.0, 5692.0, 5512.0, 5531.0, 5312.0, 5394.0, 5395.0, 5617.0, 5562.0, 5523.0, 5704.0, 5724.0, 5465.0, 5507.0, 5606.0, 5501.0, 5360.0, 5701.0, 5418.0, 5575.0, 5284.0, 5337.0, 5359.0, 5295.0, 5542.0, 5635.0, 5693.0, 5421.0, 5259.0, 5271.0, 5317.0, 5707.0, 5619.0, 5368.0, 5353.0, 5318.0, 5538.0, 5709.0, 5587.0, 5592.0, 5253.0, 5567.0, 5629.0, 5558.0, 5623.0, 5680.0, 5415.0, 5633.0, 5365.0, 5670.0, 5456.0, 5722.0, 5711.0, 5526.0, 5582.0 (number of hits: 4)
11	5500	9	1	333	1	5254.0, 5637.0, 5431.0, 5695.0, 5708.0, 5545.0, 5524.0, 5550.0, 5343.0, 5298.0, 5478.0, 5530.0, 5452.0, 5300.0, 5440.0, 5641.0, 5460.0, 5410.0, 5263.0, 5345.0, 5483.0, 5566.0, 5608.0, 5521.0, 5712.0, 5620.0, 5369.0, 5542.0, 5615.0, 5515.0, 5650.0, 5295.0, 5406.0, 5414.0, 5364.0, 5435.0, 5409.0, 5500.0, 5456.0, 5656.0, 5277.0, 5630.0, 5362.0, 5276.0, 5338.0, 5486.0, 5601.0, 5536.0, 5352.0, 5390.0, 5398.0, 5507.0, 5668.0, 5342.0, 5255.0, 5366.0, 5396.0, 5584.0, 5562.0, 5658.0, 5655.0, 5607.0, 5582.0, 5363.0, 5328.0, 5279.0, 5479.0, 5272.0, 5473.0, 5549.0, 5401.0, 5593.0, 5594.0, 5257.0, 5621.0, 5690.0, 5535.0, 5259.0, 5448.0, 5463.0, 5677.0, 5290.0, 5430.0, 5718.0, 5642.0, 5451.0, 5442.0, 5477.0, 5585.0, 5704.0, 5323.0, 5580.0, 5644.0, 5533.0, 5250.0, 5405.0, 5666.0, 5506.0, 5346.0, 5402.0 (number of hits: 3)

12	5500	9	1	333	1	5296.0, 5278.0, 5396.0, 5682.0, 5487.0, 5663.0, 5520.0, 5338.0, 5668.0, 5302.0, 5514.0, 5393.0, 5405.0, 5449.0, 5402.0, 5474.0, 5463.0, 5712.0, 5345.0, 5479.0, 5695.0, 5326.0, 5311.0, 5437.0, 5678.0, 5691.0, 5639.0, 5362.0, 5331.0, 5599.0, 5328.0, 5419.0, 5605.0, 5450.0, 5620.0, 5593.0, 5267.0, 5716.0, 5337.0, 5513.0, 5389.0, 5496.0, 5472.0, 5654.0, 5459.0, 5293.0, 5435.0, 5473.0, 5687.0, 5666.0, 5614.0, 5588.0, 5274.0, 5494.0, 5294.0, 5521.0, 5417.0, 5358.0, 5318.0, 5271.0, 5709.0, 5411.0, 5391.0, 5711.0, 5703.0, 5551.0, 5502.0, 5340.0, 5579.0, 5484.0, 5457.0, 5265.0, 5264.0, 5686.0, 5268.0, 5354.0, 5627.0, 5510.0, 5522.0, 5330.0, 5427.0, 5583.0, 5355.0, 5688.0, 5373.0, 5381.0, 5676.0, 5696.0, 5710.0, 5628.0, 5498.0, 5609.0, 5555.0, 5319.0, 5573.0, 5446.0, 5602.0, 5715.0, 5677.0, 5360.0 (number of hits: 4)
13	5500	9	1	333	1	5558.0, 5629.0, 5626.0, 5660.0, 5285.0, 5675.0, 5389.0, 5563.0, 5599.0, 5392.0, 5658.0, 5452.0, 5587.0, 5665.0, 5670.0, 5343.0, 5302.0, 5474.0, 5642.0, 5286.0, 5592.0, 5691.0, 5649.0, 5384.0, 5298.0, 5515.0, 5713.0, 5546.0, 5433.0, 5591.0, 5323.0, 5352.0, 5495.0, 5527.0, 5364.0, 5454.0, 5709.0, 5291.0, 5410.0, 5359.0, 5632.0, 5463.0, 5263.0, 5590.0, 5411.0, 5486.0, 5585.0, 5333.0, 5318.0, 5349.0, 5588.0, 5683.0, 5548.0, 5638.0, 5355.0, 5467.0, 5331.0, 5294.0, 5252.0, 5635.0, 5490.0, 5274.0, 5578.0, 5290.0, 5536.0, 5265.0, 5581.0, 5668.0, 5478.0, 5282.0, 5477.0, 5488.0, 5514.0, 5696.0, 5324.0, 5720.0, 5284.0, 5724.0, 5655.0, 5501.0, 5529.0, 5657.0, 5538.0, 5519.0, 5653.0, 5594.0, 5669.0, 5332.0, 5663.0, 5567.0, 5455.0, 5310.0, 5372.0, 5456.0, 5531.0, 5303.0, 5545.0, 5570.0, 5540.0, 5596.0 (number of hits: 3)
14	5500	9	1	333	1	5611.0, 5557.0, 5359.0, 5612.0, 5277.0, 5707.0, 5307.0, 5606.0, 5267.0, 5616.0, 5383.0, 5440.0, 5477.0, 5691.0, 5454.0, 5519.0, 5430.0, 5634.0, 5638.0, 5272.0, 5600.0, 5714.0, 5497.0, 5603.0, 5568.0, 5615.0, 5330.0, 5382.0, 5556.0, 5315.0, 5596.0, 5476.0, 5666.0, 5696.0, 5541.0, 5415.0, 5718.0, 5674.0, 5604.0, 5487.0, 5513.0, 5388.0, 5437.0, 5381.0, 5266.0, 5625.0, 5667.0, 5702.0, 5663.0, 5648.0, 5495.0, 5651.0, 5368.0, 5282.0, 5682.0, 5635.0, 5418.0, 5670.0, 5262.0, 5591.0, 5577.0, 5552.0, 5631.0, 5544.0, 5354.0, 5336.0, 5520.0, 5629.0, 5319.0, 5387.0, 5685.0, 5471.0, 5686.0, 5253.0, 5314.0, 5619.0, 5521.0, 5345.0, 5360.0, 5391.0, 5327.0, 5676.0, 5558.0, 5540.0, 5502.0,

						5559.0, 5434.0, 5420.0, 5636.0, 5410.0, 5539.0, 5512.0, 5658.0, 5485.0, 5313.0, 5673.0, 5417.0, 5474.0, 5618.0, 5579.0 (number of hits: 3)
15	5500	9	1	333	1	5286.0, 5387.0, 5539.0, 5408.0, 5434.0, 5497.0, 5319.0, 5629.0, 5502.0, 5605.0, 5480.0, 5675.0, 5624.0, 5441.0, 5519.0, 5388.0, 5273.0, 5611.0, 5336.0, 5275.0, 5463.0, 5628.0, 5528.0, 5490.0, 5439.0, 5714.0, 5712.0, 5475.0, 5351.0, 5584.0, 5338.0, 5648.0, 5403.0, 5660.0, 5672.0, 5573.0, 5301.0, 5720.0, 5257.0, 5532.0, 5270.0, 5340.0, 5271.0, 5268.0, 5438.0, 5696.0, 5614.0, 5556.0, 5553.0, 5507.0, 5504.0, 5485.0, 5602.0, 5512.0, 5559.0, 5506.0, 5665.0, 5607.0, 5327.0, 5521.0, 5409.0, 5593.0, 5656.0, 5427.0, 5311.0, 5379.0, 5461.0, 5530.0, 5699.0, 5445.0, 5272.0, 5424.0, 5659.0, 5289.0, 5526.0, 5337.0, 5374.0, 5523.0, 5708.0, 5291.0, 5550.0, 5493.0, 5384.0, 5260.0, 5641.0, 5455.0, 5334.0, 5462.0, 5479.0, 5569.0, 5649.0, 5451.0, 5414.0, 5594.0, 5436.0, 5684.0, 5536.0, 5691.0, 5608.0, 5585.0 (number of hits: 7)
16	5500	9	1	333	1	5515.0, 5338.0, 5715.0, 5682.0, 5294.0, 5326.0, 5408.0, 5544.0, 5498.0, 5270.0, 5612.0, 5476.0, 5282.0, 5369.0, 5267.0, 5540.0, 5528.0, 5340.0, 5697.0, 5637.0, 5613.0, 5639.0, 5432.0, 5307.0, 5663.0, 5668.0, 5438.0, 5582.0, 5651.0, 5414.0, 5572.0, 5532.0, 5534.0, 5266.0, 5633.0, 5658.0, 5276.0, 5259.0, 5372.0, 5692.0, 5399.0, 5718.0, 5686.0, 5501.0, 5388.0, 5304.0, 5356.0, 5553.0, 5641.0, 5397.0, 5391.0, 5590.0, 5666.0, 5602.0, 5274.0, 5510.0, 5720.0, 5587.0, 5312.0, 5671.0, 5465.0, 5562.0, 5464.0, 5401.0, 5551.0, 5644.0, 5342.0, 5288.0, 5657.0, 5357.0, 5531.0, 5614.0, 5649.0, 5302.0, 5380.0, 5409.0, 5433.0, 5527.0, 5665.0, 5550.0, 5263.0, 5264.0, 5434.0, 5707.0, 5355.0, 5529.0, 5497.0, 5675.0, 5640.0, 5558.0, 5456.0, 5493.0, 5575.0, 5513.0, 5461.0, 5252.0, 5363.0, 5655.0, 5653.0, 5535.0 (number of hits: 4)
17	5500	9	1	333	1	5315.0, 5416.0, 5613.0, 5599.0, 5535.0, 5706.0, 5402.0, 5351.0, 5341.0, 5274.0, 5672.0, 5642.0, 5293.0, 5625.0, 5320.0, 5394.0, 5330.0, 5420.0, 5452.0, 5260.0, 5607.0, 5568.0, 5597.0, 5494.0, 5285.0, 5357.0, 5586.0, 5422.0, 5410.0, 5289.0, 5480.0, 5671.0, 5281.0, 5601.0, 5470.0, 5475.0, 5434.0, 5483.0, 5359.0, 5297.0, 5463.0, 5594.0, 5251.0, 5433.0, 5550.0, 5638.0, 5648.0, 5519.0, 5679.0, 5639.0, 5477.0, 5476.0, 5592.0, 5695.0, 5678.0, 5446.0, 5352.0, 5469.0, 5517.0, 5511.0, 5368.0, 5580.0, 5428.0, 5682.0, 5634.0,

						5382.0, 5447.0, 5331.0, 5606.0, 5271.0, 5560.0, 5654.0, 5292.0, 5363.0, 5398.0, 5631.0, 5288.0, 5258.0, 5373.0, 5587.0, 5591.0, 5461.0, 5424.0, 5703.0, 5528.0, 5453.0, 5468.0, 5656.0, 5252.0, 5456.0, 5342.0, 5629.0, 5338.0, 5462.0, 5358.0, 5329.0, 5305.0, 5465.0, 5328.0, 5665.0 (number of hits: 1)
18	5500	9	1	333	1	5672.0, 5537.0, 5643.0, 5614.0, 5591.0, 5269.0, 5723.0, 5310.0, 5358.0, 5387.0, 5646.0, 5280.0, 5573.0, 5649.0, 5314.0, 5320.0, 5370.0, 5535.0, 5710.0, 5273.0, 5454.0, 5698.0, 5610.0, 5713.0, 5453.0, 5355.0, 5638.0, 5289.0, 5544.0, 5451.0, 5677.0, 5460.0, 5263.0, 5284.0, 5542.0, 5687.0, 5371.0, 5718.0, 5574.0, 5506.0, 5300.0, 5374.0, 5654.0, 5415.0, 5332.0, 5480.0, 5315.0, 5467.0, 5581.0, 5428.0, 5307.0, 5588.0, 5636.0, 5363.0, 5327.0, 5492.0, 5338.0, 5564.0, 5683.0, 5527.0, 5577.0, 5697.0, 5380.0, 5516.0, 5401.0, 5485.0, 5645.0, 5686.0, 5695.0, 5396.0, 5366.0, 5341.0, 5440.0, 5346.0, 5335.0, 5304.0, 5605.0, 5471.0, 5446.0, 5420.0, 5295.0, 5372.0, 5340.0, 5604.0, 5652.0, 5650.0, 5474.0, 5262.0, 5662.0, 5503.0, 5690.0, 5328.0, 5498.0, 5395.0, 5468.0, 5490.0, 5637.0, 5410.0, 5431.0, 5408.0 (number of hits: 5)
19	5500	9	1	333	1	5290.0, 5532.0, 5331.0, 5384.0, 5585.0, 5472.0, 5679.0, 5561.0, 5462.0, 5376.0, 5483.0, 5715.0, 5639.0, 5294.0, 5680.0, 5461.0, 5613.0, 5529.0, 5587.0, 5451.0, 5347.0, 5352.0, 5550.0, 5273.0, 5418.0, 5650.0, 5697.0, 5366.0, 5317.0, 5669.0, 5570.0, 5692.0, 5552.0, 5527.0, 5648.0, 5494.0, 5377.0, 5301.0, 5533.0, 5473.0, 5543.0, 5638.0, 5474.0, 5619.0, 5476.0, 5511.0, 5389.0, 5400.0, 5525.0, 5480.0, 5419.0, 5567.0, 5647.0, 5289.0, 5641.0, 5678.0, 5631.0, 5662.0, 5427.0, 5263.0, 5305.0, 5464.0, 5373.0, 5350.0, 5468.0, 5344.0, 5340.0, 5642.0, 5653.0, 5575.0, 5626.0, 5539.0, 5252.0, 5603.0, 5598.0, 5554.0, 5505.0, 5571.0, 5430.0, 5717.0, 5402.0, 5643.0, 5520.0, 5713.0, 5297.0, 5261.0, 5559.0, 5388.0, 5268.0, 5602.0, 5500.0, 5475.0, 5593.0, 5537.0, 5522.0, 5622.0, 5604.0, 5423.0, 5292.0, 5349.0 (number of hits: 3)
20	5500	9	1	333	1	5252.0, 5253.0, 5383.0, 5653.0, 5600.0, 5385.0, 5322.0, 5584.0, 5261.0, 5703.0, 5511.0, 5387.0, 5544.0, 5463.0, 5701.0, 5456.0, 5404.0, 5592.0, 5339.0, 5346.0, 5288.0, 5574.0, 5407.0, 5576.0, 5509.0, 5664.0, 5718.0, 5304.0, 5552.0, 5649.0, 5631.0, 5698.0, 5497.0, 5691.0, 5548.0, 5285.0, 5613.0, 5445.0, 5605.0, 5643.0, 5374.0, 5444.0, 5663.0, 5414.0, 5614.0,

						5353.0, 5436.0, 5525.0, 5712.0, 5416.0, 5412.0, 5561.0, 5301.0, 5475.0, 5594.0, 5451.0, 5437.0, 5422.0, 5460.0, 5428.0, 5255.0, 5348.0, 5377.0, 5654.0, 5581.0, 5696.0, 5608.0, 5265.0, 5616.0, 5395.0, 5660.0, 5640.0, 5515.0, 5597.0, 5639.0, 5341.0, 5647.0, 5681.0, 5305.0, 5485.0, 5259.0, 5513.0, 5405.0, 5278.0, 5517.0, 5373.0, 5555.0, 5602.0, 5565.0, 5673.0, 5596.0, 5335.0, 5501.0, 5708.0, 5630.0, 5401.0, 5425.0, 5325.0, 5411.0, 5469.0 (number of hits: 3)
21	5500	9	1	333	1	5413.0, 5307.0, 5474.0, 5267.0, 5558.0, 5298.0, 5647.0, 5430.0, 5402.0, 5418.0, 5283.0, 5659.0, 5699.0, 5712.0, 5537.0, 5252.0, 5290.0, 5264.0, 5344.0, 5694.0, 5399.0, 5611.0, 5591.0, 5500.0, 5695.0, 5658.0, 5308.0, 5400.0, 5438.0, 5593.0, 5306.0, 5535.0, 5354.0, 5275.0, 5614.0, 5532.0, 5633.0, 5521.0, 5343.0, 5278.0, 5300.0, 5539.0, 5377.0, 5520.0, 5641.0, 5555.0, 5433.0, 5361.0, 5285.0, 5339.0, 5421.0, 5580.0, 5256.0, 5378.0, 5257.0, 5640.0, 5705.0, 5628.0, 5669.0, 5388.0, 5710.0, 5374.0, 5643.0, 5540.0, 5371.0, 5472.0, 5681.0, 5496.0, 5270.0, 5698.0, 5702.0, 5485.0, 5465.0, 5385.0, 5504.0, 5369.0, 5688.0, 5393.0, 5609.0, 5627.0, 5375.0, 5301.0, 5642.0, 5678.0, 5603.0, 5470.0, 5348.0, 5636.0, 5589.0, 5327.0, 5291.0, 5577.0, 5417.0, 5484.0, 5545.0, 5552.0, 5639.0, 5541.0, 5389.0, 5685.0 (number of hits: 3)
22	5500	9	1	333	1	5389.0, 5273.0, 5507.0, 5353.0, 5391.0, 5722.0, 5365.0, 5261.0, 5293.0, 5388.0, 5308.0, 5317.0, 5568.0, 5554.0, 5407.0, 5610.0, 5521.0, 5517.0, 5712.0, 5314.0, 5621.0, 5495.0, 5359.0, 5640.0, 5260.0, 5357.0, 5625.0, 5267.0, 5327.0, 5639.0, 5700.0, 5393.0, 5551.0, 5467.0, 5253.0, 5594.0, 5584.0, 5638.0, 5609.0, 5400.0, 5410.0, 5622.0, 5668.0, 5599.0, 5334.0, 5445.0, 5257.0, 5651.0, 5337.0, 5310.0, 5444.0, 5364.0, 5527.0, 5685.0, 5655.0, 5481.0, 5562.0, 5540.0, 5586.0, 5328.0, 5470.0, 5403.0, 5330.0, 5276.0, 5715.0, 5309.0, 5331.0, 5490.0, 5361.0, 5693.0, 5576.0, 5703.0, 5271.0, 5452.0, 5515.0, 5269.0, 5628.0, 5636.0, 5570.0, 5614.0, 5396.0, 5354.0, 5350.0, 5646.0, 5346.0, 5289.0, 5414.0, 5430.0, 5369.0, 5696.0, 5647.0, 5555.0, 5504.0, 5680.0, 5720.0, 5653.0, 5376.0, 5711.0, 5356.0, 5654.0 (number of hits: 4)
23	5500	9	1	333	1	5685.0, 5586.0, 5416.0, 5654.0, 5322.0, 5324.0, 5296.0, 5671.0, 5632.0, 5558.0, 5269.0, 5578.0, 5251.0, 5645.0, 5653.0, 5354.0, 5258.0, 5308.0, 5485.0, 5588.0, 5526.0, 5347.0, 5627.0, 5311.0, 5527.0,

						5445.0, 5474.0, 5470.0, 5596.0, 5616.0, 5371.0, 5698.0, 5418.0, 5279.0, 5401.0, 5598.0, 5404.0, 5678.0, 5350.0, 5452.0, 5330.0, 5455.0, 5605.0, 5407.0, 5497.0, 5695.0, 5621.0, 5551.0, 5541.0, 5458.0, 5281.0, 5495.0, 5529.0, 5357.0, 5580.0, 5562.0, 5537.0, 5656.0, 5584.0, 5378.0, 5286.0, 5599.0, 5316.0, 5318.0, 5658.0, 5372.0, 5388.0, 5337.0, 5640.0, 5300.0, 5634.0, 5473.0, 5336.0, 5713.0, 5386.0, 5447.0, 5681.0, 5361.0, 5651.0, 5673.0, 5536.0, 5604.0, 5664.0, 5393.0, 5298.0, 5538.0, 5548.0, 5267.0, 5722.0, 5252.0, 5442.0, 5560.0, 5374.0, 5522.0, 5392.0, 5288.0, 5365.0, 5467.0, 5293.0, 5352.0 (number of hits: 2)
24	5500	9	1	333	1	5533.0, 5681.0, 5694.0, 5312.0, 5378.0, 5536.0, 5711.0, 5361.0, 5661.0, 5652.0, 5368.0, 5459.0, 5371.0, 5617.0, 5389.0, 5400.0, 5319.0, 5655.0, 5686.0, 5632.0, 5601.0, 5550.0, 5267.0, 5528.0, 5697.0, 5347.0, 5387.0, 5424.0, 5367.0, 5643.0, 5443.0, 5500.0, 5707.0, 5721.0, 5581.0, 5507.0, 5506.0, 5296.0, 5579.0, 5431.0, 5444.0, 5649.0, 5603.0, 5669.0, 5343.0, 5260.0, 5255.0, 5452.0, 5280.0, 5311.0, 5454.0, 5703.0, 5297.0, 5650.0, 5440.0, 5495.0, 5354.0, 5583.0, 5436.0, 5412.0, 5604.0, 5435.0, 5678.0, 5659.0, 5635.0, 5316.0, 5609.0, 5373.0, 5504.0, 5293.0, 5630.0, 5526.0, 5698.0, 5687.0, 5302.0, 5434.0, 5357.0, 5382.0, 5508.0, 5644.0, 5453.0, 5254.0, 5391.0, 5702.0, 5488.0, 5483.0, 5716.0, 5637.0, 5251.0, 5497.0, 5388.0, 5534.0, 5540.0, 5625.0, 5665.0, 5271.0, 5588.0, 5283.0, 5380.0, 5423.0 (number of hits: 7)
25	5500	9	1	333	1	5413.0, 5311.0, 5634.0, 5529.0, 5254.0, 5715.0, 5420.0, 5657.0, 5415.0, 5367.0, 5534.0, 5319.0, 5352.0, 5268.0, 5572.0, 5389.0, 5309.0, 5600.0, 5698.0, 5440.0, 5710.0, 5521.0, 5322.0, 5429.0, 5450.0, 5263.0, 5560.0, 5569.0, 5629.0, 5265.0, 5387.0, 5659.0, 5721.0, 5326.0, 5492.0, 5317.0, 5384.0, 5266.0, 5353.0, 5510.0, 5298.0, 5467.0, 5414.0, 5291.0, 5470.0, 5507.0, 5654.0, 5578.0, 5364.0, 5462.0, 5355.0, 5681.0, 5287.0, 5640.0, 5502.0, 5567.0, 5608.0, 5717.0, 5671.0, 5390.0, 5285.0, 5269.0, 5431.0, 5513.0, 5638.0, 5645.0, 5302.0, 5469.0, 5465.0, 5432.0, 5505.0, 5539.0, 5275.0, 5625.0, 5402.0, 5333.0, 5614.0, 5668.0, 5289.0, 5535.0, 5711.0, 5279.0, 5557.0, 5705.0, 5706.0, 5670.0, 5661.0, 5296.0, 5329.0, 5646.0, 5320.0, 5408.0, 5675.0, 5565.0, 5604.0, 5305.0, 5366.0, 5587.0, 5464.0, 5605.0 (number of hits: 4)

26	5500	9	1	333	1	5399.0, 5326.0, 5370.0, 5603.0, 5282.0, 5383.0, 5660.0, 5558.0, 5292.0, 5390.0, 5641.0, 5393.0, 5369.0, 5446.0, 5251.0, 5349.0, 5681.0, 5388.0, 5712.0, 5689.0, 5426.0, 5638.0, 5424.0, 5289.0, 5573.0, 5658.0, 5413.0, 5637.0, 5268.0, 5376.0, 5358.0, 5459.0, 5565.0, 5381.0, 5699.0, 5428.0, 5505.0, 5577.0, 5463.0, 5674.0, 5344.0, 5434.0, 5552.0, 5661.0, 5487.0, 5371.0, 5357.0, 5442.0, 5531.0, 5304.0, 5702.0, 5508.0, 5324.0, 5360.0, 5677.0, 5560.0, 5488.0, 5478.0, 5633.0, 5514.0, 5321.0, 5302.0, 5294.0, 5555.0, 5365.0, 5588.0, 5562.0, 5683.0, 5460.0, 5296.0, 5590.0, 5564.0, 5662.0, 5665.0, 5711.0, 5693.0, 5719.0, 5507.0, 5406.0, 5613.0, 5500.0, 5519.0, 5672.0, 5477.0, 5575.0, 5269.0, 5643.0, 5287.0, 5680.0, 5485.0, 5419.0, 5695.0, 5629.0, 5391.0, 5626.0, 5669.0, 5253.0, 5663.0, 5284.0, 5547.0 (number of hits: 4)
27	5500	9	1	333	1	5528.0, 5337.0, 5614.0, 5254.0, 5459.0, 5632.0, 5623.0, 5652.0, 5395.0, 5579.0, 5279.0, 5609.0, 5574.0, 5671.0, 5583.0, 5438.0, 5392.0, 5680.0, 5588.0, 5271.0, 5397.0, 5660.0, 5312.0, 5404.0, 5257.0, 5432.0, 5379.0, 5304.0, 5285.0, 5410.0, 5339.0, 5654.0, 5316.0, 5273.0, 5362.0, 5424.0, 5354.0, 5261.0, 5621.0, 5696.0, 5256.0, 5460.0, 5586.0, 5693.0, 5690.0, 5356.0, 5436.0, 5565.0, 5492.0, 5366.0, 5454.0, 5706.0, 5649.0, 5283.0, 5685.0, 5293.0, 5315.0, 5674.0, 5259.0, 5634.0, 5615.0, 5253.0, 5701.0, 5370.0, 5386.0, 5667.0, 5268.0, 5529.0, 5414.0, 5320.0, 5494.0, 5433.0, 5317.0, 5519.0, 5308.0, 5612.0, 5496.0, 5520.0, 5637.0, 5534.0, 5403.0, 5687.0, 5501.0, 5394.0, 5335.0, 5698.0, 5578.0, 5417.0, 5380.0, 5678.0, 5572.0, 5547.0, 5321.0, 5717.0, 5657.0, 5299.0, 5455.0, 5611.0, 5585.0, 5675.0 (number of hits: 4)
28	5500	9	1	333	1	5580.0, 5694.0, 5711.0, 5351.0, 5648.0, 5483.0, 5455.0, 5350.0, 5627.0, 5663.0, 5584.0, 5684.0, 5647.0, 5282.0, 5559.0, 5443.0, 5658.0, 5670.0, 5610.0, 5419.0, 5430.0, 5662.0, 5617.0, 5592.0, 5543.0, 5517.0, 5316.0, 5545.0, 5470.0, 5415.0, 5562.0, 5295.0, 5318.0, 5491.0, 5515.0, 5271.0, 5723.0, 5528.0, 5660.0, 5558.0, 5504.0, 5329.0, 5611.0, 5257.0, 5606.0, 5718.0, 5412.0, 5362.0, 5624.0, 5710.0, 5421.0, 5703.0, 5306.0, 5534.0, 5304.0, 5289.0, 5377.0, 5336.0, 5691.0, 5600.0, 5392.0, 5533.0, 5399.0, 5472.0, 5300.0, 5620.0, 5367.0, 5342.0, 5532.0, 5524.0, 5279.0, 5699.0, 5498.0, 5685.0, 5405.0, 5637.0, 5653.0, 5286.0, 5489.0, 5437.0, 5557.0, 5625.0, 5373.0, 5297.0, 5536.0,

						5390.0, 5666.0, 5659.0, 5345.0, 5644.0, 5522.0, 5364.0, 5310.0, 5422.0, 5309.0, 5665.0, 5633.0, 5548.0, 5411.0, 5716.0 (number of hits: 3)
29	5500	9	1	333	1	5396.0, 5354.0, 5589.0, 5435.0, 5309.0, 5648.0, 5357.0, 5429.0, 5628.0, 5490.0, 5581.0, 5485.0, 5424.0, 5584.0, 5504.0, 5603.0, 5468.0, 5671.0, 5498.0, 5537.0, 5576.0, 5699.0, 5554.0, 5312.0, 5285.0, 5640.0, 5696.0, 5635.0, 5502.0, 5574.0, 5369.0, 5324.0, 5420.0, 5678.0, 5356.0, 5462.0, 5573.0, 5572.0, 5666.0, 5289.0, 5688.0, 5465.0, 5556.0, 5378.0, 5480.0, 5257.0, 5626.0, 5399.0, 5625.0, 5422.0, 5449.0, 5301.0, 5533.0, 5585.0, 5499.0, 5592.0, 5451.0, 5538.0, 5617.0, 5343.0, 5642.0, 5661.0, 5602.0, 5445.0, 5710.0, 5647.0, 5510.0, 5669.0, 5460.0, 5346.0, 5329.0, 5655.0, 5501.0, 5317.0, 5637.0, 5664.0, 5687.0, 5535.0, 5262.0, 5562.0, 5571.0, 5702.0, 5461.0, 5433.0, 5302.0, 5408.0, 5692.0, 5290.0, 5598.0, 5427.0, 5512.0, 5367.0, 5335.0, 5636.0, 5370.0, 5608.0, 5476.0, 5456.0, 5273.0, 5679.0 (number of hits: 6)
30	5500	9	1	333	1	5364.0, 5610.0, 5351.0, 5458.0, 5462.0, 5641.0, 5255.0, 5635.0, 5723.0, 5511.0, 5569.0, 5455.0, 5432.0, 5421.0, 5264.0, 5545.0, 5408.0, 5535.0, 5539.0, 5353.0, 5620.0, 5648.0, 5463.0, 5655.0, 5385.0, 5449.0, 5326.0, 5279.0, 5513.0, 5677.0, 5288.0, 5637.0, 5357.0, 5475.0, 5581.0, 5498.0, 5555.0, 5560.0, 5544.0, 5512.0, 5343.0, 5485.0, 5327.0, 5559.0, 5597.0, 5472.0, 5311.0, 5470.0, 5291.0, 5665.0, 5344.0, 5646.0, 5649.0, 5298.0, 5606.0, 5577.0, 5608.0, 5561.0, 5399.0, 5301.0, 5599.0, 5695.0, 5568.0, 5690.0, 5556.0, 5572.0, 5497.0, 5586.0, 5668.0, 5381.0, 5595.0, 5394.0, 5339.0, 5340.0, 5406.0, 5654.0, 5619.0, 5702.0, 5377.0, 5630.0, 5574.0, 5300.0, 5662.0, 5254.0, 5672.0, 5703.0, 5538.0, 5493.0, 5658.0, 5514.0, 5283.0, 5481.0, 5440.0, 5708.0, 5548.0, 5651.0, 5573.0, 5285.0, 5486.0, 5530.0 (number of hits: 3)

5310 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	96.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

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

Radar Type	Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
Type 1A	1	5310	72	1	738	1
	2	5310	95	1	558	1
	3	5310	70	1	758	1
	4	5310	92	1	578	1
	5	5310	67	1	798	1
	6	5310	63	1	838	1
	7	5310	78	1	678	1
	8	5310	89	1	598	1
	9	5310	86	1	618	1
	10	5310	99	1	538	1
	11	5310	61	1	878	1
	12	5310	76	1	698	1
	13	5310	58	1	918	1
	14	5310	59	1	898	1
	15	5310	68	1	778	1
Type 1B	16	5310	46	1	1164	1
	17	5310	19	1	2830	1
	18	5310	31	1	1728	1
	19	5310	37	1	1439	1
	20	5310	20	1	2733	1
	21	5310	19	1	2854	1
	22	5310	23	1	2328	1
	23	5310	28	1	1885	1
	24	5310	39	1	1373	1
	25	5310	42	1	1261	1
	26	5310	18	1	2996	1
	27	5310	20	1	2644	1
	28	5310	20	1	2745	1
	29	5310	54	1	981	1
	30	5310	20	1	2692	1
Detection Percentage: 100 % (>60%)						

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5310	27	5	178	1
2	5310	23	4.2	214	1
3	5310	24	1.8	178	1
4	5310	27	5	186	1
5	5310	25	4.5	165	1
6	5310	23	3.8	155	1
7	5310	29	2.2	220	1
8	5310	28	4.2	212	1
9	5310	24	1	179	1
10	5310	24	1.4	189	1
11	5310	29	3.9	189	0
12	5310	25	4.1	224	1
13	5310	23	1.9	217	1
14	5310	25	4.8	178	1
15	5310	23	3	189	0
16	5310	27	4.8	152	1
17	5310	27	4.3	174	1
18	5310	24	2.8	194	0
19	5310	24	4.2	214	0
20	5310	29	3.5	196	1
21	5310	26	2.5	193	1
22	5310	29	3.2	183	1
23	5310	26	2.8	178	1
24	5310	24	1.9	189	1
25	5310	29	1.7	229	1
26	5310	28	1.3	157	1
27	5310	29	3.3	208	1
28	5310	26	3.2	227	1
29	5310	28	4.3	223	1
30	5310	26	3.4	163	1
Detection Percentage: 86.7 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5310	17	8.3	385	1
2	5310	17	8.6	234	1
3	5310	18	6.9	308	1
4	5310	17	7.4	346	1
5	5310	18	9	386	1
6	5310	16	6.2	342	1
7	5310	16	7.6	201	1
8	5310	18	7.5	366	1
9	5310	16	8.2	414	1
10	5310	16	8.6	413	1
11	5310	16	9.9	496	1
12	5310	17	7.1	498	1
13	5310	18	6.6	339	1
14	5310	16	9.8	378	1
15	5310	18	9.1	363	1
16	5310	16	6.8	290	1
17	5310	18	9.2	492	1
18	5310	16	8.6	326	1
19	5310	16	8.1	284	1
20	5310	18	8.4	335	1
21	5310	16	9.1	412	1
22	5310	17	9.7	397	1
23	5310	17	8	402	1
24	5310	17	9.1	422	1
25	5310	18	6.8	362	1
26	5310	17	9.6	412	1
27	5310	16	8.4	345	1
28	5310	17	6.5	251	1
29	5310	17	6.8	474	1
30	5310	17	8.7	484	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5310	14	14.2	282	1
2	5310	16	13.4	293	1
3	5310	14	14.8	217	1
4	5310	15	15.7	276	1
5	5310	16	16.9	462	1
6	5310	15	18.2	462	1
7	5310	13	19.5	399	1
8	5310	14	11.8	280	1
9	5310	16	17.5	311	1
10	5310	15	12.6	359	1
11	5310	13	16.2	223	1
12	5310	13	18.9	244	1
13	5310	12	11.8	237	1
14	5310	12	17.1	364	1
15	5310	14	16.6	464	1
16	5310	12	11.3	416	1
17	5310	13	12.7	341	1
18	5310	12	16	267	1
19	5310	14	14.8	480	1
20	5310	14	12.1	295	1
21	5310	16	18	332	1
22	5310	13	19.9	281	1
23	5310	14	17.5	472	1
24	5310	15	11.8	206	1
25	5310	12	19.2	411	1
26	5310	15	16.6	322	1
27	5310	16	17.7	447	1
28	5310	16	19.4	491	1
29	5310	12	18.4	252	1
30	5310	16	12.8	287	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance
Bin5 Statistics 1

Frequency: 5312 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	98.9	1514	1532	0.393365	
1	1	6	99.7			0.960387	
2	2	15	61.5	1654		1.327786	
3	2	8	84.1	1503		2.19993	
4	2	17	98.5	1488		2.96606	
5	2	13	55.6	1151		3.509652	
6	3	15	92.2	1104	1769	4.358996	
7	2	19	91.1	1863		4.653555	
8	3	16	71.1	1974	1806	5.539045	
9	2	9	53.8	1735		5.795727	1
10	3	7	60.3	1173	1978	6.770471	
11	1	7	99.4			7.298157	
12	3	10	88.1	1884	1751	7.936747	
13	1	8	85.8			8.385385	
14	2	6	97.5	1151		9.451709	
15	2	14	91.9	1043		9.736003	
16	2	11	71.3	1050		10.617616	
17	2	7	88.2	1950		10.904425	
18	1	8	53.8			11.512427	

Bin5 Statistics 2
Frequency: 5314 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	58.8	1285	1593	0.010303	1
1	2	19	66.6	1434		0.982117	
2	3	12	99.5	1040	1512	1.735224	
3	2	9	55.3	1566		3.331203	
4	2	16	71.9	1855		3.740121	
5	2	5	55.4	1223		4.965941	
6	2	8	81.1	1584		5.489778	
7	2	14	72	1782		6.385649	
8	2	15	93.3	1915		7.279711	
9	3	12	96.1	1207	1470	8.085113	
10	2	15	65.3	1152		9.113616	
11	2	12	59.5	1326		10.276141	
12	3	7	86.5	1213	1147	10.311169	
13	2	11	99.3	1737		11.732834	

Bin5 Statistics 3
Frequency: 5313 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	74.9	1430		0.121797	1
1	2	11	58.5	1631		1.094756	
2	1	8	83			2.143367	
3	2	18	65	1696		2.898266	
4	2	14	81.5	1423		4.126454	
5	2	18	83.8	1104		4.345761	
6	2	5	71.7	1007		5.80519	
7	2	7	68.5	1254		6.100083	
8	3	13	84.1	1786	1200	7.118487	
9	2	18	87.5	1638		8.563618	
10	2	7	96.9	1148		9.216093	
11	2	18	68.1	1359		9.513221	
12	2	15	86.9	1964		10.902298	
13	2	8	60.2	1031		11.629179	

Bin5 Statistics 4
Frequency: 5315 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	65.7	1522	1881	0.251031	1
1	1	14	90.3			1.036827	
2	3	20	59.9	1860	1299	2.203394	
3	3	11	81.6	1130	1306	3.049645	
4	3	16	77.8	1415	1644	4.027147	
5	2	6	88.3	1653		4.846654	
6	2	7	72.6	1662		5.82354	
7	2	17	69.8	1862		6.563107	
8	2	11	91.7	1300		7.994986	
9	1	15	92.8			8.871949	
10	2	16	83.2	1644		9.723454	
11	1	8	70.8			10.919331	
12	1	17	74.4			11.94234	

Bin5 Statistics 5
Frequency: 5303 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	67.5	1750	1879	0.356736	1
1	1	13	90.6			1.136048	
2	2	16	73.4	1257		1.7207	
3	2	13	94.8	1252		2.078336	
4	2	6	98.5	1987		2.849209	
5	2	9	62.3	1163		3.925966	
6	2	9	71.1	1974		4.274803	
7	1	7	94.3			4.968827	
8	1	8	89.1			5.553249	
9	3	17	61.1	1981	1252	6.647473	
10	2	8	85.2	1966		6.914147	
11	3	9	63.5	1357	1071	7.972242	
12	3	15	63	1935	1099	8.029969	
13	2	6	54.9	1606		8.971181	
14	3	11	92.9	1634	1963	9.823853	
15	1	14	75.4			10.051604	
16	1	11	51.3			11.005666	
17	2	8	65.1	1607		11.589864	

Bin5 Statistics 6

Frequency: 5294 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	77	1264		0.094879	
1	1	19	68.9			0.911432	
2	2	15	72.1	1752		2.181233	
3	3	11	94.1	1362	1165	3.14056	
4	3	11	68.1	1799	1353	3.825756	
5	2	6	56.6	1508		4.788704	
6	3	8	84.4	1332	1353	5.144472	
7	2	10	60.5	1024		5.982903	1
8	3	16	50.8	1422	1207	7.059179	
9	3	8	54.6	1547	1726	7.608103	
10	3	12	67.6	1355	1028	8.171669	
11	2	10	78.1	1145		9.024409	
12	3	20	83.2	1202	1278	10.193173	
13	1	8	56.5			10.653964	
14	3	7	71.6	1192	1175	11.697036	

Bin5 Statistics 7

Frequency: 5291 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	82.2			0.302252	
1	3	14	81.2	1607	1962	0.893272	
2	1	9	58.5			2.053596	
3	2	7	95	1381		2.333036	
4	2	14	68.6	1345		3.334315	
5	1	9	82			4.198772	
6	2	10	95	1411		4.998129	
7	2	8	95.6	1331		5.896172	
8	1	18	90.4			6.481383	1
9	2	17	94.2	1507		6.775474	
10	1	16	55			8.02797	
11	1	13	98.8			8.86243	
12	3	14	74.1	1437	1432	9.227965	
13	1	7	59			9.776803	
14	2	17	53.1	1241		11.141147	
15	1	17	61.5			11.914788	

Bin5 Statistics 8

Frequency: 5316 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	86.5	1800	1134	0.624151	1
1	2	16	82.4	1862		1.917952	
2	2	16	72.5	1535		3.439528	
3	1	8	71.3			3.980188	
4	3	7	67.6	1309	1560	5.460602	
5	2	19	66.5	1910		6.765503	
6	2	9	93.4	1684		7.789983	
7	1	14	53.4			8.428168	
8	2	19	62.3	1668		10.229459	
9	2	20	58	1454		11.795432	

Bin5 Statistics 9

Frequency: 5318 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	77.1	1766	1655	0.356148	1
1	2	9	86.2	1009		1.678376	
2	1	12	93.4			2.148663	
3	1	15	81.6			3.257571	
4	2	6	81.9	1119		4.105677	
5	2	13	86.7	1136		4.430791	
6	1	9	68.1			5.391136	
7	1	14	60.8			6.397977	
8	1	19	94.3			6.970556	
9	2	16	91.6	1019		8.254846	
10	2	7	98.8	1350		8.921906	
11	3	9	77.3	1742	1630	9.461942	
12	3	16	97.1	1457	1050	10.678909	
13	1	6	94.4			11.213674	

Bin5 Statistics 10
Frequency: 5301 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	53.1			0.612514	
1	1	18	97.1			1.238793	
2	2	6	93.5	1096		1.480717	
3	1	14	75.8			2.175925	
4	1	10	63.5			2.887168	
5	2	18	91.5	1716		3.688061	
6	3	18	95.1	1035	1242	4.412222	
7	3	17	73.3	1634	1204	4.648555	
8	2	18	56.9	1518		5.092569	
9	3	15	55.1	1650	1122	6.057177	1
10	1	18	81.6			6.39518	
11	1	6	53.3			6.954094	
12	2	13	87.6	1154		8.08785	
13	2	10	87	1821		8.36712	
14	2	19	77.9	1287		9.46708	
15	2	19	75.2	1722		9.975754	
16	3	14	63.4	1601	1449	10.72689	
17	2	10	78.9	1641		10.989639	
18	2	16	96.3	1781		11.836855	

Bin5 Statistics 11
Frequency: 5298 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	96.8	1747		0.593978	
1	1	18	52.9			0.959059	
2	2	11	73.2	1673		2.327893	
3	1	17	51.7			3.302325	
4	3	17	72.5	1279	1804	4.095371	
5	2	5	68.2	1249		4.432877	
6	2	5	87.6	1662		5.516868	
7	1	10	56.1			6.045906	1
8	3	7	76	1387	1330	7.325426	
9	3	6	92	1041	1051	8.043936	
10	1	5	54.6			8.975524	
11	2	18	91.6	1483		9.905923	
12	2	11	60.8	1774		10.776394	
13	2	6	68.3	1123		11.266664	

Bin5 Statistics 12
Frequency: 5314 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	96.2	1352	1804	0.221082	
1	2	16	70.1	1744		1.040904	
2	1	9	79.3			1.881075	
3	2	16	88.8	1469		1.940312	
4	1	15	68			2.688323	
5	1	13	67.3			3.699956	
6	2	8	89.3	1278		4.299167	
7	1	7	69.6			4.618517	
8	2	11	54.5	1989		5.462914	
9	2	7	75.6	1662		6.24284	1
10	2	14	57.4	1812		6.640198	
11	2	16	66.2	1269		7.234902	
12	1	6	57.6			7.967686	
13	2	18	87.2	1800		8.337691	
14	2	11	57.3	1773		8.867887	
15	2	20	56	1117		9.83082	
16	2	14	61.7	1330		10.731155	
17	3	17	62.2	1619	1044	11.114987	
18	2	18	88.4	1684		11.46131	

Bin5 Statistics 13
Frequency: 5317 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	95.7	1918		0.070147	
1	2	6	59.5	1290		1.784447	
2	2	17	73.1	1088		2.347185	
3	1	11	55.9			3.210659	
4	2	16	92.4	1451		4.085029	
5	3	19	94.3	1823	1420	5.002066	
6	2	11	52.2	1551		5.562165	0
7	2	15	99.1	1149		6.609439	
8	2	11	62.7	1223		8.174097	
9	3	8	66.6	1990	1871	9.063381	
10	2	14	58.7	1590		9.740477	
11	1	19	96.3			10.560548	
12	2	7	96.1	1253		11.746479	

Bin5 Statistics 14

Frequency: 5308 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	55	1831		1.207469	
1	3	13	87.7	1325	1370	1.417097	
2	3	16	70.5	1175	1128	3.899509	
3	2	6	90.2	1952		4.471119	
4	3	19	88.6	1429	1909	6.353784	1
5	2	8	73.9	1475		7.007994	
6	3	18	56.9	1806	1195	9.172067	
7	3	5	77.5	1550	1980	10.621252	
8	2	14	82.2	1454		11.021264	

Bin5 Statistics 15

Frequency: 5293 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	68.5	1396		0.443318	
1	2	14	77.5	1530		2.273971	
2	2	5	68.1	1217		2.885279	
3	2	19	63.7	1872		4.500382	
4	2	11	56.8	1039		6.370373	1
5	2	6	77.7	1926		6.698188	
6	2	14	84.5	1043		9.262122	
7	2	8	86.2	1972		10.385284	
8	1	19	95.8			11.498587	

Bin5 Statistics 16
Frequency: 5315 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	64	1548		0.904006	
1	2	11	54.8	1735		1.574142	
2	2	20	83.9	1371		2.231034	
3	2	11	60.9	1549		2.896556	
4	2	16	88.4	1323		4.503704	
5	2	12	88.6	1312		5.30314	
6	1	17	66.8			5.923983	1
7	1	18	86.8			7.133483	
8	1	14	92.2			7.975928	
9	1	14	92.3			9.074841	
10	2	10	77.1	1253		9.748601	
11	3	18	73.8	1415	1471	10.18256	
12	3	9	64.3	1035	1457	11.592969	

Bin5 Statistics 17
Frequency: 5317 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	75.5			0.476386	
1	1	19	85.7			1.14675	
2	2	14	60.5	1710		1.887437	
3	2	9	67	1781		2.332996	
4	1	20	77.3			2.963871	
5	2	9	87.1	1024		3.691798	
6	3	6	94.6	1621	1996	4.220456	
7	2	17	59.1	1759		4.899246	
8	2	11	88.9	1506		5.388067	
9	1	7	61.5			6.161264	1
10	1	11	55.6			6.47766	
11	2	19	94	1593		7.203194	
12	2	15	90.9	1610		7.797076	
13	2	19	86.6	1599		8.532236	
14	3	8	75.4	1541	1155	9.170446	
15	2	7	67.1	1388		9.586163	
16	3	18	98.5	1198	1654	10.160805	
17	2	11	74	1461		10.831013	
18	2	7	61.2	1399		11.571419	

Bin5 Statistics 18

Frequency: 5304 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	96.6	1500		1.095558	
1	1	19	63.2			1.380994	
2	1	11	85.8			3.680645	
3	2	6	50.2	1555		4.060106	
4	2	9	52.2	1681		5.911372	1
5	3	14	87.2	1963	1316	6.718588	
6	2	6	76.4	1035		8.118485	
7	2	7	95.3	1839		10.126273	
8	2	7	70.3	1579		11.55007	

Bin5 Statistics 19

Frequency: 5297 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	80.1	1640		1.013186	
1	2	20	60.6	1216		1.742549	
2	3	14	87.1	1566	1720	2.857397	
3	3	8	86.1	1867	1164	4.058973	
4	2	10	92.9	1770		5.237583	
5	3	10	52.8	1551	1429	6.501457	1
6	1	16	79.2			6.56371	
7	3	14	93.7	1710	1509	8.049039	
8	2	13	65	1706		8.842753	
9	2	14	59.4	1693		10.432396	
10	2	6	88.2	1925		10.954327	

Bin5 Statistics 20

Frequency: 5312 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	50.8	1654		0.510288	
1	2	18	61.9	1339		2.169948	
2	1	9	57			2.715888	
3	3	7	56.1	1613	1518	3.97567	
4	2	11	84.6	1524		4.974609	
5	2	8	91.5	1812		6.294909	1
6	2	7	83.1	1374		7.226694	
7	2	15	97	1598		8.107728	
8	2	18	95.2	1694		8.763513	
9	2	19	61.5	1059		10.053182	
10	2	19	84.6	1903		11.017012	

Bin5 Statistics 21

Frequency: 5312 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	80.6			0.452377	
1	3	15	64.1	1148	1727	1.377892	
2	2	17	52.8	1483		1.731347	
3	1	19	59.6			2.386575	
4	2	20	88.6	1361		3.510604	
5	2	16	91.9	1444		4.087787	
6	2	14	94.1	1472		4.72928	
7	2	6	54.6	1680		5.191827	
8	3	18	65.6	1343	1193	5.739175	1
9	2	15	97	1665		6.549178	
10	2	11	58.1	1065		7.200201	
11	3	13	70.7	1603	1841	8.074008	
12	2	5	92.1	1033		8.843695	
13	3	5	72.5	1040	1913	9.436533	
14	3	6	80.5	1302	1746	10.432117	
15	2	10	90.6	1096		10.837342	
16	2	17	51.6	1261		11.304527	

Bin5 Statistics 22

Frequency: 5300 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	95.3			0.29008	1
1	2	16	56.5	1310		1.012658	
2	2	14	60.9	1173		2.989646	
3	3	6	91.2	1161	1434	3.811126	
4	1	7	96			4.22046	
5	3	5	81.8	1271	1803	5.670622	
6	2	12	69.5	1493		6.787577	
7	2	15	93.7	1856		7.65947	
8	2	8	99.9	1141		8.7582	
9	2	12	58.5	1763		9.574584	
10	2	16	83.3	1840		10.578369	
11	2	8	68	1813		11.278599	

Bin5 Statistics 23

Frequency: 5312 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	94.5			0.063001	1
1	3	15	73.5	1400	1110	1.267216	
2	3	8	77.5	1879	1884	1.45257	
3	3	10	79.5	1718	1642	2.446175	
4	2	15	69.8	1060		2.952081	
5	2	20	57.4	1198		3.782895	
6	2	13	85.4	1129		4.362711	
7	3	11	56.3	1768	1820	5.476211	
8	3	7	96.1	1266	1235	5.761237	
9	2	14	96.1	1493		7.014147	
10	3	11	88.4	1486	1732	7.311929	
11	3	16	51	1678	1849	7.863575	
12	1	18	53.2			8.981452	
13	3	9	93.3	1163	1305	9.463482	
14	2	20	74.8	1889		9.980099	
15	3	19	99.6	1062	1580	10.915392	
16	1	16	84.3			11.751198	

Bin5 Statistics 24

Frequency: 5308 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	51.4	1317		0.601399	1
1	2	8	87.8	1162		0.948351	
2	2	13	87.9	1773		2.000377	
3	2	14	63.8	1009		2.916125	
4	2	12	73.2	1294		3.91047	
5	1	18	57			4.795889	
6	1	15	84.1			5.347275	
7	3	8	95.5	1734	1720	6.151019	
8	2	7	85.3	1870		7.157772	
9	2	19	71.6	1887		7.738541	
10	2	17	66.5	1571		8.913232	
11	2	6	80.7	1903		9.856344	
12	1	17	95.8			10.362529	
13	2	17	79.5	1788		11.237227	

Bin5 Statistics 25

Frequency: 5294 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	91.1	1865	1817	0.395083	1
1	3	10	89.9	1868	1519	1.977889	
2	3	20	73.6	1189	1155	2.375579	
3	2	7	71.8	1559		3.249278	
4	2	6	53.3	1399		4.685846	
5	2	15	92.3	1634		5.142163	
6	2	9	71.4	1654		6.189456	
7	3	13	82.4	1605	1328	7.658912	
8	3	15	55.8	1290	1411	8.400832	
9	2	10	94.2	1841		9.37888	
10	1	16	88.4			10.397003	
11	1	18	66			11.428255	

Bin5 Statistics 26

Frequency: 5291 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	89.3	1090		0.435754	
1	2	9	57.5	1012		0.808196	
2	2	7	70.6	1869		2.060588	
3	2	14	66.5	1270		2.807022	
4	1	14	80.7			3.681769	
5	2	7	58.1	1602		4.423419	
6	2	10	54.9	1085		5.271843	
7	3	8	50.5	1210	1290	5.886185	1
8	2	14	61.6	1770		6.763417	
9	1	8	63.9			7.246581	
10	2	14	70.3	1886		8.384209	
11	1	19	85.2			9.071223	
12	1	9	81.5			10.254365	
13	2	20	93.5	1301		10.603913	
14	1	9	86.4			11.815039	

Bin5 Statistics 27

Frequency: 5309 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	69.5	1195		0.103401	
1	1	10	59.4			0.954792	
2	2	18	63.2	1940		1.883462	
3	1	13	84.5			2.774469	
4	3	10	83.6	1022	1805	3.873463	
5	2	13	59.7	1142		4.952583	
6	3	16	72.2	1287	1662	5.316469	
7	1	10	65.7			6.259653	1
8	3	11	66.6	1059	1666	7.164529	
9	2	17	93.1	1996		8.004626	
10	2	18	69.9	1792		8.866003	
11	1	18	78.2			10.055336	
12	2	5	82.7	1011		10.650643	
13	3	13	67.7	1574	1958	11.710631	

Bin5 Statistics 28

Frequency: 5312 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	82.5	1530		0.508641	1
1	2	17	99.4	1712		0.847904	
2	1	10	71.3			1.811292	
3	1	18	86.1			2.630275	
4	3	6	93.4	1857	1825	3.31327	
5	1	17	83.5			3.951437	
6	2	9	96.1	1234		4.894586	
7	1	12	62			5.524915	
8	1	18	72.9			6.331163	
9	1	20	91.8			6.876179	
10	3	18	65.5	1284	1712	7.73431	
11	2	10	92.7	1192		8.402216	
12	2	16	68.1	1895		9.314897	
13	2	12	60.9	1908		10.238567	
14	2	14	83.9	1986		11.23065	
15	3	12	50	1904	1497	11.982	

Bin5 Statistics 29

Frequency: 5318 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	80.3			1.273656	1
1	1	19	81			1.805027	
2	2	7	95.9	1265		2.772237	
3	1	8	58.8			4.28381	
4	3	5	71.1	1637	1386	5.394907	
5	2	17	61.6	1384		7.670808	
6	3	17	94.4	1851	1234	8.002765	
7	3	10	87.9	1276	1188	10.01257	
8	1	9	78.9			11.193591	

Bin5 Statistics 30

Frequency: 5308 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	69.6	1000	1808	0.532564	1
1	3	19	73	1893	1689	1.855738	
2	1	11	69			2.352467	
3	2	13	50.2	1693		3.69119	
4	2	9	56	1353		4.489442	
5	1	19	85.1			6.154198	
6	1	15	82.8			6.604386	
7	2	18	67.4	1130		7.854978	
8	3	16	55.7	1678	1948	8.906592	
9	1	13	68.5			10.640243	
10	2	9	78.2	1853		11.604846	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5310	9	1	333	1	5383.0, 5625.0, 5338.0, 5600.0, 5511.0, 5359.0, 5339.0, 5480.0, 5603.0, 5301.0, 5405.0, 5340.0, 5506.0, 5605.0, 5717.0, 5474.0, 5458.0, 5661.0, 5276.0, 5509.0, 5639.0, 5516.0, 5601.0, 5470.0, 5607.0, 5261.0, 5390.0, 5486.0, 5262.0, 5533.0, 5325.0, 5368.0, 5534.0, 5377.0, 5708.0, 5618.0, 5422.0, 5322.0, 5385.0, 5345.0, 5573.0, 5369.0, 5412.0, 5495.0, 5668.0, 5445.0, 5646.0, 5660.0, 5258.0, 5571.0, 5513.0, 5440.0, 5497.0, 5395.0, 5581.0, 5373.0, 5669.0, 5686.0, 5715.0, 5436.0, 5617.0, 5304.0, 5718.0, 5333.0, 5324.0, 5535.0, 5577.0, 5687.0, 5450.0, 5315.0, 5648.0, 5297.0, 5283.0, 5598.0, 5515.0, 5402.0, 5433.0, 5494.0, 5256.0, 5574.0, 5680.0, 5503.0, 5467.0, 5437.0, 5525.0, 5675.0, 5381.0, 5674.0, 5380.0, 5656.0, 5465.0, 5471.0, 5411.0, 5371.0, 5306.0, 5529.0, 5346.0, 5709.0, 5320.0, 5431.0 (number of hits: 9)
2	5310	9	1	333	1	5569.0, 5617.0, 5703.0, 5267.0, 5564.0, 5470.0, 5625.0, 5476.0, 5303.0, 5464.0, 5644.0, 5357.0, 5701.0, 5482.0, 5332.0, 5277.0, 5546.0, 5567.0, 5405.0, 5344.0, 5459.0, 5675.0, 5337.0, 5635.0, 5638.0, 5608.0, 5501.0, 5704.0, 5614.0, 5436.0, 5272.0, 5378.0, 5623.0, 5410.0, 5603.0, 5677.0, 5409.0, 5648.0, 5425.0, 5719.0, 5491.0, 5502.0, 5408.0, 5315.0, 5363.0, 5264.0, 5586.0, 5645.0, 5646.0, 5354.0, 5463.0, 5437.0, 5494.0, 5523.0, 5356.0, 5285.0, 5676.0, 5404.0, 5273.0, 5572.0, 5396.0, 5438.0, 5706.0, 5345.0, 5585.0, 5518.0, 5334.0, 5573.0, 5324.0, 5508.0, 5721.0, 5689.0, 5304.0, 5579.0, 5401.0, 5346.0, 5299.0, 5562.0, 5557.0, 5445.0, 5683.0, 5413.0, 5377.0, 5416.0, 5596.0, 5615.0, 5577.0, 5664.0, 5253.0, 5358.0, 5561.0, 5574.0, 5610.0, 5453.0, 5271.0, 5316.0, 5480.0, 5320.0, 5468.0, 5531.0 (number of hits: 7)
3	5310	9	1	333	1	5506.0, 5315.0, 5274.0, 5697.0, 5636.0, 5600.0, 5306.0, 5562.0, 5627.0, 5614.0, 5287.0, 5349.0, 5677.0, 5421.0, 5721.0, 5376.0, 5671.0, 5360.0, 5646.0, 5344.0, 5535.0, 5517.0, 5427.0, 5288.0, 5552.0, 5323.0, 5269.0, 5668.0, 5648.0, 5660.0, 5615.0, 5641.0, 5707.0, 5495.0, 5432.0, 5460.0, 5572.0, 5527.0, 5290.0, 5559.0, 5704.0, 5303.0, 5347.0, 5416.0, 5679.0, 5436.0, 5438.0, 5560.0, 5357.0, 5472.0, 5455.0, 5596.0, 5461.0, 5529.0, 5515.0,

						5425.0, 5630.0, 5253.0, 5394.0, 5570.0, 5445.0, 5511.0, 5300.0, 5457.0, 5362.0, 5703.0, 5266.0, 5637.0, 5618.0, 5358.0, 5653.0, 5449.0, 5377.0, 5401.0, 5672.0, 5301.0, 5695.0, 5599.0, 5492.0, 5639.0, 5573.0, 5355.0, 5533.0, 5475.0, 5480.0, 5418.0, 5567.0, 5524.0, 5712.0, 5383.0, 5547.0, 5628.0, 5640.0, 5659.0, 5582.0, 5594.0, 5336.0, 5494.0, 5645.0, 5262.0 (number of hits: 7)
4	5310	9	1	333	1	5475.0, 5428.0, 5473.0, 5376.0, 5265.0, 5508.0, 5352.0, 5618.0, 5466.0, 5516.0, 5532.0, 5721.0, 5362.0, 5270.0, 5477.0, 5394.0, 5275.0, 5692.0, 5383.0, 5633.0, 5641.0, 5408.0, 5580.0, 5708.0, 5280.0, 5681.0, 5343.0, 5310.0, 5262.0, 5555.0, 5652.0, 5701.0, 5501.0, 5388.0, 5523.0, 5266.0, 5494.0, 5518.0, 5371.0, 5587.0, 5467.0, 5534.0, 5461.0, 5562.0, 5484.0, 5693.0, 5410.0, 5444.0, 5543.0, 5336.0, 5379.0, 5620.0, 5283.0, 5423.0, 5329.0, 5656.0, 5391.0, 5581.0, 5506.0, 5554.0, 5421.0, 5420.0, 5558.0, 5583.0, 5435.0, 5273.0, 5617.0, 5588.0, 5344.0, 5573.0, 5502.0, 5377.0, 5657.0, 5324.0, 5460.0, 5432.0, 5340.0, 5648.0, 5292.0, 5447.0, 5503.0, 5499.0, 5353.0, 5415.0, 5702.0, 5625.0, 5307.0, 5296.0, 5395.0, 5607.0, 5700.0, 5592.0, 5563.0, 5490.0, 5364.0, 5348.0, 5278.0, 5446.0, 5426.0, 5610.0 (number of hits: 6)
5	5310	9	1	333	1	5351.0, 5259.0, 5552.0, 5715.0, 5499.0, 5712.0, 5289.0, 5671.0, 5706.0, 5391.0, 5299.0, 5587.0, 5454.0, 5589.0, 5597.0, 5266.0, 5591.0, 5293.0, 5495.0, 5560.0, 5329.0, 5286.0, 5549.0, 5521.0, 5664.0, 5635.0, 5614.0, 5502.0, 5480.0, 5675.0, 5496.0, 5558.0, 5419.0, 5439.0, 5679.0, 5328.0, 5367.0, 5592.0, 5593.0, 5424.0, 5298.0, 5544.0, 5282.0, 5555.0, 5412.0, 5634.0, 5567.0, 5291.0, 5672.0, 5576.0, 5489.0, 5280.0, 5326.0, 5250.0, 5347.0, 5372.0, 5420.0, 5711.0, 5504.0, 5701.0, 5488.0, 5639.0, 5702.0, 5694.0, 5295.0, 5260.0, 5490.0, 5345.0, 5309.0, 5506.0, 5584.0, 5623.0, 5714.0, 5453.0, 5526.0, 5407.0, 5677.0, 5676.0, 5501.0, 5581.0, 5373.0, 5294.0, 5446.0, 5696.0, 5375.0, 5687.0, 5336.0, 5568.0, 5645.0, 5335.0, 5669.0, 5553.0, 5561.0, 5387.0, 5284.0, 5530.0, 5348.0, 5611.0, 5673.0, 5469.0 (number of hits: 10)
6	5310	9	1	333	1	5685.0, 5448.0, 5468.0, 5551.0, 5554.0, 5714.0, 5394.0, 5450.0, 5346.0, 5324.0, 5303.0, 5344.0, 5722.0, 5577.0, 5475.0, 5412.0, 5687.0, 5547.0, 5415.0, 5262.0, 5691.0, 5372.0, 5264.0, 5370.0, 5667.0, 5498.0, 5651.0, 5283.0, 5568.0, 5261.0, 5666.0, 5663.0, 5618.0, 5312.0, 5710.0,

						5676.0, 5273.0, 5390.0, 5572.0, 5408.0, 5674.0, 5451.0, 5333.0, 5439.0, 5569.0, 5692.0, 5604.0, 5325.0, 5619.0, 5592.0, 5256.0, 5458.0, 5367.0, 5715.0, 5271.0, 5393.0, 5512.0, 5621.0, 5281.0, 5340.0, 5661.0, 5469.0, 5360.0, 5348.0, 5331.0, 5576.0, 5420.0, 5411.0, 5434.0, 5614.0, 5426.0, 5291.0, 5515.0, 5364.0, 5675.0, 5349.0, 5487.0, 5268.0, 5533.0, 5254.0, 5584.0, 5414.0, 5537.0, 5558.0, 5622.0, 5492.0, 5296.0, 5557.0, 5620.0, 5379.0, 5319.0, 5493.0, 5562.0, 5538.0, 5424.0, 5396.0, 5251.0, 5389.0, 5549.0, 5306.0 (number of hits: 8)
7	5310	9	1	333	1	5681.0, 5291.0, 5438.0, 5329.0, 5331.0, 5411.0, 5675.0, 5251.0, 5272.0, 5648.0, 5679.0, 5430.0, 5593.0, 5604.0, 5353.0, 5381.0, 5267.0, 5435.0, 5539.0, 5512.0, 5324.0, 5680.0, 5654.0, 5532.0, 5600.0, 5334.0, 5397.0, 5401.0, 5258.0, 5260.0, 5522.0, 5400.0, 5318.0, 5546.0, 5275.0, 5682.0, 5621.0, 5565.0, 5285.0, 5671.0, 5525.0, 5700.0, 5596.0, 5426.0, 5444.0, 5315.0, 5445.0, 5646.0, 5280.0, 5338.0, 5322.0, 5269.0, 5271.0, 5536.0, 5299.0, 5351.0, 5496.0, 5424.0, 5350.0, 5614.0, 5570.0, 5336.0, 5388.0, 5476.0, 5667.0, 5602.0, 5524.0, 5715.0, 5500.0, 5374.0, 5518.0, 5591.0, 5652.0, 5633.0, 5387.0, 5429.0, 5651.0, 5366.0, 5691.0, 5490.0, 5548.0, 5427.0, 5692.0, 5413.0, 5581.0, 5557.0, 5514.0, 5533.0, 5576.0, 5594.0, 5612.0, 5516.0, 5405.0, 5703.0, 5394.0, 5441.0, 5639.0, 5443.0, 5421.0, 5603.0 (number of hits: 7)
8	5310	9	1	333	1	5452.0, 5704.0, 5571.0, 5457.0, 5419.0, 5496.0, 5404.0, 5574.0, 5358.0, 5488.0, 5357.0, 5301.0, 5408.0, 5588.0, 5690.0, 5568.0, 5430.0, 5333.0, 5667.0, 5644.0, 5625.0, 5450.0, 5406.0, 5672.0, 5443.0, 5611.0, 5562.0, 5279.0, 5504.0, 5349.0, 5470.0, 5484.0, 5411.0, 5338.0, 5505.0, 5403.0, 5699.0, 5441.0, 5577.0, 5494.0, 5648.0, 5714.0, 5433.0, 5678.0, 5499.0, 5520.0, 5650.0, 5384.0, 5717.0, 5427.0, 5435.0, 5297.0, 5436.0, 5337.0, 5585.0, 5640.0, 5370.0, 5705.0, 5587.0, 5368.0, 5621.0, 5555.0, 5709.0, 5367.0, 5474.0, 5405.0, 5483.0, 5600.0, 5327.0, 5696.0, 5422.0, 5257.0, 5565.0, 5527.0, 5335.0, 5604.0, 5351.0, 5440.0, 5609.0, 5635.0, 5537.0, 5557.0, 5344.0, 5651.0, 5275.0, 5324.0, 5393.0, 5434.0, 5407.0, 5353.0, 5622.0, 5277.0, 5645.0, 5509.0, 5380.0, 5688.0, 5522.0, 5586.0, 5531.0, 5623.0 (number of hits: 4)
9	5310	9	1	333	1	5582.0, 5670.0, 5305.0, 5578.0, 5267.0, 5361.0, 5522.0, 5516.0, 5462.0, 5709.0, 5412.0, 5268.0, 5581.0, 5463.0, 5507.0,

						5658.0, 5459.0, 5293.0, 5338.0, 5599.0, 5266.0, 5577.0, 5304.0, 5399.0, 5348.0, 5539.0, 5369.0, 5694.0, 5613.0, 5596.0, 5722.0, 5309.0, 5416.0, 5573.0, 5461.0, 5360.0, 5698.0, 5614.0, 5508.0, 5590.0, 5371.0, 5601.0, 5282.0, 5435.0, 5273.0, 5556.0, 5405.0, 5387.0, 5315.0, 5584.0, 5496.0, 5310.0, 5595.0, 5502.0, 5583.0, 5634.0, 5558.0, 5431.0, 5517.0, 5404.0, 5526.0, 5486.0, 5388.0, 5276.0, 5428.0, 5651.0, 5460.0, 5414.0, 5406.0, 5432.0, 5456.0, 5327.0, 5433.0, 5565.0, 5718.0, 5657.0, 5652.0, 5493.0, 5391.0, 5400.0, 5291.0, 5597.0, 5286.0, 5668.0, 5394.0, 5700.0, 5708.0, 5702.0, 5437.0, 5468.0, 5384.0, 5425.0, 5656.0, 5514.0, 5340.0, 5626.0, 5591.0, 5554.0, 5366.0, 5403.0 (number of hits: 8)
10	5310	9	1	333	1	5399.0, 5435.0, 5375.0, 5337.0, 5395.0, 5456.0, 5611.0, 5512.0, 5393.0, 5505.0, 5491.0, 5342.0, 5368.0, 5450.0, 5319.0, 5340.0, 5662.0, 5536.0, 5574.0, 5472.0, 5373.0, 5665.0, 5681.0, 5521.0, 5719.0, 5570.0, 5304.0, 5515.0, 5533.0, 5471.0, 5259.0, 5643.0, 5323.0, 5444.0, 5488.0, 5679.0, 5329.0, 5564.0, 5694.0, 5425.0, 5350.0, 5718.0, 5442.0, 5724.0, 5502.0, 5686.0, 5707.0, 5568.0, 5409.0, 5314.0, 5264.0, 5438.0, 5620.0, 5384.0, 5253.0, 5672.0, 5676.0, 5288.0, 5538.0, 5631.0, 5673.0, 5274.0, 5583.0, 5668.0, 5356.0, 5497.0, 5276.0, 5527.0, 5607.0, 5380.0, 5269.0, 5654.0, 5674.0, 5465.0, 5338.0, 5370.0, 5651.0, 5463.0, 5699.0, 5639.0, 5632.0, 5387.0, 5486.0, 5311.0, 5354.0, 5452.0, 5477.0, 5423.0, 5598.0, 5411.0, 5534.0, 5385.0, 5711.0, 5493.0, 5655.0, 5352.0, 5251.0, 5640.0, 5458.0, 5436.0 (number of hits: 6)
11	5310	9	1	333	1	5443.0, 5518.0, 5553.0, 5361.0, 5393.0, 5558.0, 5310.0, 5269.0, 5404.0, 5255.0, 5452.0, 5687.0, 5466.0, 5281.0, 5507.0, 5656.0, 5295.0, 5363.0, 5490.0, 5552.0, 5497.0, 5258.0, 5384.0, 5407.0, 5392.0, 5671.0, 5638.0, 5532.0, 5636.0, 5666.0, 5626.0, 5290.0, 5319.0, 5312.0, 5318.0, 5615.0, 5307.0, 5721.0, 5438.0, 5277.0, 5351.0, 5603.0, 5464.0, 5448.0, 5399.0, 5705.0, 5459.0, 5406.0, 5429.0, 5331.0, 5334.0, 5566.0, 5377.0, 5302.0, 5299.0, 5703.0, 5270.0, 5610.0, 5664.0, 5264.0, 5398.0, 5612.0, 5324.0, 5567.0, 5595.0, 5617.0, 5465.0, 5415.0, 5369.0, 5455.0, 5716.0, 5391.0, 5681.0, 5569.0, 5311.0, 5548.0, 5588.0, 5607.0, 5441.0, 5560.0, 5427.0, 5546.0, 5344.0, 5430.0, 5336.0, 5526.0, 5346.0, 5621.0, 5462.0, 5449.0, 5662.0, 5516.0, 5433.0, 5587.0, 5559.0, 5653.0, 5477.0, 5400.0, 5693.0, 5480.0

						(number of hits: 11)
12	5310	9	1	333	1	5345.0, 5565.0, 5363.0, 5462.0, 5395.0, 5273.0, 5595.0, 5440.0, 5319.0, 5620.0, 5394.0, 5642.0, 5348.0, 5453.0, 5267.0, 5437.0, 5503.0, 5648.0, 5709.0, 5561.0, 5564.0, 5695.0, 5607.0, 5589.0, 5572.0, 5420.0, 5703.0, 5630.0, 5307.0, 5463.0, 5251.0, 5511.0, 5516.0, 5713.0, 5310.0, 5614.0, 5318.0, 5665.0, 5574.0, 5309.0, 5723.0, 5616.0, 5288.0, 5289.0, 5391.0, 5653.0, 5456.0, 5587.0, 5551.0, 5672.0, 5543.0, 5553.0, 5570.0, 5275.0, 5361.0, 5673.0, 5635.0, 5299.0, 5393.0, 5263.0, 5575.0, 5569.0, 5499.0, 5664.0, 5256.0, 5685.0, 5526.0, 5504.0, 5276.0, 5529.0, 5317.0, 5563.0, 5518.0, 5374.0, 5459.0, 5624.0, 5567.0, 5270.0, 5688.0, 5714.0, 5272.0, 5435.0, 5611.0, 5501.0, 5719.0, 5562.0, 5528.0, 5340.0, 5663.0, 5254.0, 5495.0, 5416.0, 5519.0, 5534.0, 5581.0, 5701.0, 5284.0, 5293.0, 5720.0, 5497.0 (number of hits: 8)
13	5310	9	1	333	1	5302.0, 5337.0, 5634.0, 5687.0, 5570.0, 5304.0, 5562.0, 5701.0, 5552.0, 5482.0, 5680.0, 5271.0, 5256.0, 5666.0, 5695.0, 5651.0, 5377.0, 5670.0, 5527.0, 5649.0, 5690.0, 5715.0, 5320.0, 5659.0, 5704.0, 5417.0, 5689.0, 5343.0, 5703.0, 5517.0, 5442.0, 5564.0, 5375.0, 5599.0, 5294.0, 5436.0, 5369.0, 5350.0, 5305.0, 5418.0, 5386.0, 5480.0, 5317.0, 5275.0, 5373.0, 5292.0, 5622.0, 5601.0, 5639.0, 5508.0, 5478.0, 5594.0, 5671.0, 5668.0, 5428.0, 5539.0, 5438.0, 5683.0, 5697.0, 5614.0, 5712.0, 5588.0, 5642.0, 5698.0, 5455.0, 5333.0, 5429.0, 5403.0, 5535.0, 5497.0, 5554.0, 5632.0, 5272.0, 5607.0, 5709.0, 5567.0, 5328.0, 5440.0, 5578.0, 5711.0, 5491.0, 5586.0, 5548.0, 5502.0, 5395.0, 5352.0, 5420.0, 5358.0, 5458.0, 5454.0, 5623.0, 5456.0, 5473.0, 5500.0, 5306.0, 5362.0, 5284.0, 5490.0, 5264.0, 5414.0 (number of hits: 9)
14	5310	9	1	333	1	5272.0, 5428.0, 5389.0, 5478.0, 5538.0, 5545.0, 5425.0, 5629.0, 5328.0, 5397.0, 5544.0, 5415.0, 5502.0, 5611.0, 5519.0, 5385.0, 5574.0, 5712.0, 5290.0, 5291.0, 5654.0, 5305.0, 5615.0, 5656.0, 5317.0, 5688.0, 5491.0, 5311.0, 5640.0, 5318.0, 5309.0, 5633.0, 5453.0, 5626.0, 5395.0, 5405.0, 5482.0, 5414.0, 5697.0, 5566.0, 5550.0, 5658.0, 5680.0, 5721.0, 5413.0, 5594.0, 5333.0, 5543.0, 5369.0, 5341.0, 5288.0, 5652.0, 5501.0, 5452.0, 5526.0, 5434.0, 5392.0, 5472.0, 5706.0, 5349.0, 5605.0, 5645.0, 5520.0, 5473.0, 5353.0, 5407.0, 5598.0, 5647.0, 5504.0, 5584.0, 5490.0, 5264.0, 5361.0, 5363.0, 5406.0, 5525.0, 5690.0, 5437.0, 5469.0, 5356.0,

						5669.0, 5576.0, 5484.0, 5510.0, 5416.0, 5409.0, 5711.0, 5450.0, 5601.0, 5505.0, 5620.0, 5421.0, 5495.0, 5342.0, 5673.0, 5534.0, 5569.0, 5643.0, 5702.0, 5267.0 (number of hits: 8)
15	5310	9	1	333	1	5457.0, 5295.0, 5427.0, 5553.0, 5280.0, 5625.0, 5675.0, 5603.0, 5714.0, 5465.0, 5681.0, 5509.0, 5719.0, 5301.0, 5718.0, 5440.0, 5456.0, 5671.0, 5660.0, 5381.0, 5252.0, 5447.0, 5633.0, 5253.0, 5446.0, 5491.0, 5362.0, 5329.0, 5686.0, 5266.0, 5255.0, 5391.0, 5687.0, 5659.0, 5559.0, 5495.0, 5717.0, 5715.0, 5397.0, 5614.0, 5401.0, 5615.0, 5623.0, 5696.0, 5656.0, 5589.0, 5543.0, 5475.0, 5355.0, 5627.0, 5303.0, 5550.0, 5448.0, 5383.0, 5651.0, 5428.0, 5674.0, 5563.0, 5720.0, 5284.0, 5309.0, 5319.0, 5513.0, 5400.0, 5713.0, 5551.0, 5586.0, 5668.0, 5594.0, 5292.0, 5324.0, 5592.0, 5591.0, 5607.0, 5409.0, 5297.0, 5548.0, 5646.0, 5269.0, 5367.0, 5649.0, 5283.0, 5637.0, 5494.0, 5308.0, 5407.0, 5390.0, 5415.0, 5632.0, 5573.0, 5609.0, 5405.0, 5282.0, 5343.0, 5612.0, 5458.0, 5533.0, 5290.0, 5711.0, 5598.0 (number of hits: 11)
16	5310	9	1	333	1	5266.0, 5538.0, 5409.0, 5637.0, 5430.0, 5691.0, 5383.0, 5543.0, 5350.0, 5294.0, 5454.0, 5302.0, 5653.0, 5673.0, 5676.0, 5684.0, 5481.0, 5503.0, 5573.0, 5497.0, 5307.0, 5268.0, 5524.0, 5582.0, 5530.0, 5471.0, 5341.0, 5599.0, 5636.0, 5527.0, 5351.0, 5700.0, 5425.0, 5597.0, 5317.0, 5631.0, 5693.0, 5253.0, 5623.0, 5555.0, 5309.0, 5344.0, 5557.0, 5270.0, 5633.0, 5272.0, 5572.0, 5467.0, 5313.0, 5679.0, 5523.0, 5400.0, 5315.0, 5448.0, 5638.0, 5381.0, 5698.0, 5360.0, 5604.0, 5348.0, 5418.0, 5432.0, 5678.0, 5461.0, 5611.0, 5656.0, 5551.0, 5692.0, 5703.0, 5287.0, 5675.0, 5553.0, 5369.0, 5297.0, 5470.0, 5649.0, 5505.0, 5281.0, 5380.0, 5452.0, 5689.0, 5707.0, 5326.0, 5614.0, 5440.0, 5456.0, 5305.0, 5522.0, 5518.0, 5513.0, 5619.0, 5263.0, 5548.0, 5303.0, 5542.0, 5376.0, 5571.0, 5318.0, 5306.0, 5560.0 (number of hits: 13)
17	5310	9	1	333	1	5590.0, 5549.0, 5597.0, 5654.0, 5509.0, 5645.0, 5687.0, 5273.0, 5718.0, 5587.0, 5519.0, 5377.0, 5419.0, 5301.0, 5613.0, 5630.0, 5320.0, 5656.0, 5304.0, 5405.0, 5624.0, 5640.0, 5546.0, 5255.0, 5459.0, 5658.0, 5286.0, 5495.0, 5582.0, 5359.0, 5719.0, 5433.0, 5466.0, 5399.0, 5649.0, 5436.0, 5331.0, 5554.0, 5384.0, 5659.0, 5712.0, 5696.0, 5313.0, 5715.0, 5602.0, 5375.0, 5280.0, 5352.0, 5682.0, 5307.0, 5360.0, 5406.0, 5551.0, 5564.0, 5391.0, 5497.0, 5292.0, 5583.0, 5489.0, 5500.0,

						5626.0, 5569.0, 5672.0, 5721.0, 5365.0, 5560.0, 5527.0, 5442.0, 5310.0, 5449.0, 5425.0, 5328.0, 5393.0, 5692.0, 5685.0, 5257.0, 5416.0, 5555.0, 5637.0, 5506.0, 5631.0, 5484.0, 5430.0, 5334.0, 5263.0, 5510.0, 5483.0, 5369.0, 5401.0, 5420.0, 5282.0, 5370.0, 5579.0, 5543.0, 5512.0, 5592.0, 5458.0, 5542.0, 5522.0, 5305.0 (number of hits: 9)
18	5310	9	1	333	1	5558.0, 5457.0, 5491.0, 5397.0, 5362.0, 5403.0, 5535.0, 5654.0, 5252.0, 5449.0, 5582.0, 5301.0, 5255.0, 5619.0, 5437.0, 5299.0, 5633.0, 5455.0, 5387.0, 5696.0, 5315.0, 5591.0, 5673.0, 5686.0, 5464.0, 5385.0, 5320.0, 5371.0, 5627.0, 5661.0, 5589.0, 5599.0, 5539.0, 5475.0, 5707.0, 5337.0, 5465.0, 5415.0, 5256.0, 5390.0, 5557.0, 5291.0, 5353.0, 5608.0, 5562.0, 5699.0, 5376.0, 5348.0, 5281.0, 5545.0, 5272.0, 5690.0, 5429.0, 5691.0, 5261.0, 5600.0, 5507.0, 5335.0, 5708.0, 5609.0, 5620.0, 5631.0, 5662.0, 5370.0, 5544.0, 5638.0, 5646.0, 5592.0, 5275.0, 5637.0, 5682.0, 5628.0, 5363.0, 5384.0, 5715.0, 5286.0, 5322.0, 5547.0, 5672.0, 5379.0, 5597.0, 5697.0, 5378.0, 5647.0, 5254.0, 5710.0, 5546.0, 5606.0, 5723.0, 5336.0, 5677.0, 5394.0, 5463.0, 5481.0, 5313.0, 5438.0, 5526.0, 5304.0, 5678.0, 5518.0 (number of hits: 8)
19	5310	9	1	333	1	5444.0, 5571.0, 5409.0, 5686.0, 5599.0, 5699.0, 5606.0, 5330.0, 5511.0, 5481.0, 5316.0, 5336.0, 5588.0, 5578.0, 5287.0, 5658.0, 5426.0, 5662.0, 5610.0, 5520.0, 5446.0, 5412.0, 5275.0, 5347.0, 5356.0, 5665.0, 5705.0, 5312.0, 5651.0, 5569.0, 5637.0, 5333.0, 5538.0, 5462.0, 5504.0, 5257.0, 5281.0, 5492.0, 5469.0, 5357.0, 5643.0, 5525.0, 5652.0, 5505.0, 5541.0, 5664.0, 5503.0, 5564.0, 5416.0, 5671.0, 5424.0, 5458.0, 5560.0, 5623.0, 5270.0, 5723.0, 5689.0, 5629.0, 5582.0, 5468.0, 5544.0, 5311.0, 5283.0, 5393.0, 5352.0, 5478.0, 5370.0, 5442.0, 5498.0, 5279.0, 5565.0, 5566.0, 5429.0, 5700.0, 5570.0, 5284.0, 5515.0, 5273.0, 5709.0, 5368.0, 5722.0, 5550.0, 5554.0, 5576.0, 5484.0, 5595.0, 5612.0, 5437.0, 5613.0, 5710.0, 5314.0, 5477.0, 5473.0, 5382.0, 5514.0, 5362.0, 5506.0, 5589.0, 5383.0, 5385.0 (number of hits: 4)
20	5310	9	1	333	1	5637.0, 5580.0, 5260.0, 5360.0, 5348.0, 5519.0, 5500.0, 5555.0, 5349.0, 5670.0, 5267.0, 5595.0, 5323.0, 5611.0, 5386.0, 5605.0, 5556.0, 5434.0, 5407.0, 5393.0, 5257.0, 5342.0, 5343.0, 5642.0, 5399.0, 5707.0, 5609.0, 5536.0, 5336.0, 5472.0, 5259.0, 5534.0, 5690.0, 5438.0, 5328.0, 5464.0, 5719.0, 5304.0, 5584.0, 5254.0,

						5518.0, 5505.0, 5710.0, 5632.0, 5612.0, 5350.0, 5622.0, 5523.0, 5674.0, 5287.0, 5562.0, 5435.0, 5703.0, 5621.0, 5370.0, 5617.0, 5442.0, 5541.0, 5338.0, 5341.0, 5322.0, 5325.0, 5297.0, 5588.0, 5679.0, 5558.0, 5476.0, 5313.0, 5624.0, 5593.0, 5312.0, 5629.0, 5535.0, 5651.0, 5424.0, 5372.0, 5689.0, 5551.0, 5487.0, 5377.0, 5482.0, 5301.0, 5610.0, 5687.0, 5265.0, 5334.0, 5503.0, 5618.0, 5633.0, 5691.0, 5658.0, 5528.0, 5614.0, 5339.0, 5413.0, 5604.0, 5430.0, 5522.0, 5620.0, 5582.0 (number of hits: 9)
21	5310	9	1	333	1	5597.0, 5598.0, 5557.0, 5643.0, 5302.0, 5608.0, 5311.0, 5532.0, 5556.0, 5272.0, 5588.0, 5464.0, 5296.0, 5304.0, 5484.0, 5561.0, 5642.0, 5435.0, 5687.0, 5268.0, 5544.0, 5289.0, 5374.0, 5633.0, 5600.0, 5362.0, 5602.0, 5474.0, 5480.0, 5625.0, 5324.0, 5527.0, 5386.0, 5684.0, 5258.0, 5308.0, 5603.0, 5504.0, 5356.0, 5654.0, 5355.0, 5475.0, 5661.0, 5263.0, 5640.0, 5397.0, 5471.0, 5537.0, 5470.0, 5478.0, 5271.0, 5563.0, 5564.0, 5499.0, 5604.0, 5285.0, 5708.0, 5314.0, 5342.0, 5426.0, 5401.0, 5458.0, 5349.0, 5502.0, 5601.0, 5438.0, 5719.0, 5280.0, 5357.0, 5624.0, 5673.0, 5332.0, 5505.0, 5423.0, 5410.0, 5341.0, 5312.0, 5620.0, 5501.0, 5522.0, 5710.0, 5454.0, 5446.0, 5443.0, 5512.0, 5576.0, 5559.0, 5686.0, 5711.0, 5521.0, 5347.0, 5422.0, 5646.0, 5403.0, 5533.0, 5449.0, 5340.0, 5325.0, 5394.0, 5395.0 (number of hits: 9)
22	5310	9	1	333	1	5386.0, 5724.0, 5596.0, 5536.0, 5254.0, 5515.0, 5491.0, 5355.0, 5667.0, 5714.0, 5363.0, 5635.0, 5347.0, 5308.0, 5498.0, 5629.0, 5710.0, 5461.0, 5479.0, 5540.0, 5532.0, 5564.0, 5291.0, 5688.0, 5601.0, 5477.0, 5582.0, 5720.0, 5661.0, 5413.0, 5707.0, 5646.0, 5269.0, 5365.0, 5468.0, 5660.0, 5514.0, 5272.0, 5662.0, 5485.0, 5377.0, 5306.0, 5322.0, 5701.0, 5620.0, 5389.0, 5703.0, 5464.0, 5403.0, 5711.0, 5508.0, 5480.0, 5585.0, 5482.0, 5602.0, 5484.0, 5595.0, 5541.0, 5431.0, 5318.0, 5353.0, 5559.0, 5502.0, 5452.0, 5354.0, 5501.0, 5319.0, 5621.0, 5456.0, 5453.0, 5591.0, 5649.0, 5648.0, 5346.0, 5565.0, 5297.0, 5681.0, 5427.0, 5613.0, 5450.0, 5262.0, 5261.0, 5614.0, 5287.0, 5268.0, 5478.0, 5677.0, 5683.0, 5373.0, 5378.0, 5617.0, 5404.0, 5410.0, 5705.0, 5550.0, 5636.0, 5396.0, 5263.0, 5330.0, 5289.0 (number of hits: 7)
23	5310	9	1	333	1	5627.0, 5434.0, 5504.0, 5272.0, 5626.0, 5703.0, 5354.0, 5307.0, 5345.0, 5433.0, 5596.0, 5411.0, 5270.0, 5519.0, 5459.0, 5552.0, 5529.0, 5708.0, 5616.0, 5302.0,

						5577.0, 5326.0, 5715.0, 5358.0, 5281.0, 5617.0, 5479.0, 5437.0, 5568.0, 5304.0, 5545.0, 5465.0, 5366.0, 5615.0, 5620.0, 5505.0, 5430.0, 5602.0, 5572.0, 5512.0, 5334.0, 5481.0, 5475.0, 5636.0, 5698.0, 5655.0, 5268.0, 5590.0, 5484.0, 5712.0, 5258.0, 5530.0, 5537.0, 5373.0, 5449.0, 5282.0, 5496.0, 5466.0, 5558.0, 5349.0, 5632.0, 5560.0, 5375.0, 5467.0, 5634.0, 5446.0, 5428.0, 5359.0, 5508.0, 5579.0, 5604.0, 5419.0, 5721.0, 5472.0, 5517.0, 5341.0, 5276.0, 5399.0, 5271.0, 5487.0, 5581.0, 5300.0, 5429.0, 5477.0, 5360.0, 5584.0, 5460.0, 5424.0, 5507.0, 5651.0, 5421.0, 5327.0, 5261.0, 5252.0, 5410.0, 5534.0, 5400.0, 5696.0, 5597.0, 5680.0 (number of hits: 6)
24	5310	9	1	333	1	5266.0, 5412.0, 5536.0, 5291.0, 5531.0, 5379.0, 5717.0, 5564.0, 5467.0, 5362.0, 5313.0, 5351.0, 5593.0, 5338.0, 5428.0, 5569.0, 5672.0, 5689.0, 5318.0, 5289.0, 5392.0, 5697.0, 5300.0, 5444.0, 5622.0, 5498.0, 5415.0, 5315.0, 5443.0, 5567.0, 5654.0, 5457.0, 5594.0, 5560.0, 5684.0, 5314.0, 5311.0, 5668.0, 5322.0, 5680.0, 5699.0, 5520.0, 5515.0, 5493.0, 5568.0, 5528.0, 5585.0, 5710.0, 5466.0, 5562.0, 5502.0, 5601.0, 5553.0, 5473.0, 5620.0, 5702.0, 5626.0, 5425.0, 5713.0, 5613.0, 5703.0, 5360.0, 5718.0, 5714.0, 5490.0, 5524.0, 5426.0, 5653.0, 5649.0, 5299.0, 5544.0, 5410.0, 5587.0, 5326.0, 5287.0, 5404.0, 5507.0, 5327.0, 5465.0, 5439.0, 5550.0, 5483.0, 5671.0, 5707.0, 5260.0, 5496.0, 5346.0, 5674.0, 5295.0, 5345.0, 5546.0, 5643.0, 5330.0, 5308.0, 5454.0, 5614.0, 5570.0, 5432.0, 5696.0, 5462.0 (number of hits: 13)
25	5310	9	1	333	1	5260.0, 5445.0, 5499.0, 5305.0, 5317.0, 5404.0, 5411.0, 5589.0, 5548.0, 5690.0, 5631.0, 5670.0, 5366.0, 5685.0, 5675.0, 5432.0, 5592.0, 5339.0, 5473.0, 5344.0, 5348.0, 5325.0, 5423.0, 5704.0, 5678.0, 5428.0, 5396.0, 5461.0, 5475.0, 5440.0, 5626.0, 5705.0, 5543.0, 5456.0, 5327.0, 5492.0, 5664.0, 5307.0, 5568.0, 5367.0, 5599.0, 5370.0, 5574.0, 5613.0, 5384.0, 5385.0, 5639.0, 5352.0, 5452.0, 5530.0, 5264.0, 5308.0, 5571.0, 5282.0, 5546.0, 5272.0, 5417.0, 5516.0, 5437.0, 5371.0, 5598.0, 5564.0, 5476.0, 5624.0, 5699.0, 5372.0, 5719.0, 5555.0, 5283.0, 5275.0, 5612.0, 5587.0, 5443.0, 5251.0, 5691.0, 5380.0, 5401.0, 5323.0, 5519.0, 5291.0, 5393.0, 5324.0, 5621.0, 5659.0, 5717.0, 5638.0, 5559.0, 5681.0, 5556.0, 5676.0, 5331.0, 5400.0, 5596.0, 5486.0, 5426.0, 5386.0, 5419.0, 5252.0, 5341.0, 5281.0 (number of hits: 9)

26	5310	9	1	333	1	5471.0, 5268.0, 5623.0, 5596.0, 5409.0, 5398.0, 5684.0, 5561.0, 5294.0, 5718.0, 5308.0, 5362.0, 5636.0, 5537.0, 5505.0, 5707.0, 5252.0, 5290.0, 5678.0, 5591.0, 5712.0, 5367.0, 5293.0, 5491.0, 5382.0, 5450.0, 5644.0, 5400.0, 5700.0, 5541.0, 5476.0, 5697.0, 5589.0, 5508.0, 5648.0, 5363.0, 5484.0, 5512.0, 5658.0, 5706.0, 5649.0, 5463.0, 5717.0, 5642.0, 5610.0, 5314.0, 5321.0, 5522.0, 5570.0, 5614.0, 5286.0, 5404.0, 5358.0, 5628.0, 5719.0, 5385.0, 5612.0, 5322.0, 5468.0, 5422.0, 5395.0, 5273.0, 5329.0, 5668.0, 5587.0, 5691.0, 5577.0, 5647.0, 5258.0, 5490.0, 5342.0, 5625.0, 5324.0, 5562.0, 5254.0, 5674.0, 5540.0, 5393.0, 5415.0, 5661.0, 5639.0, 5553.0, 5399.0, 5518.0, 5681.0, 5251.0, 5269.0, 5554.0, 5716.0, 5298.0, 5513.0, 5282.0, 5448.0, 5549.0, 5418.0, 5359.0, 5500.0, 5443.0, 5664.0, 5424.0 (number of hits: 10)
27	5310	9	1	333	1	5689.0, 5414.0, 5254.0, 5280.0, 5321.0, 5312.0, 5275.0, 5521.0, 5316.0, 5551.0, 5297.0, 5574.0, 5452.0, 5323.0, 5395.0, 5584.0, 5327.0, 5562.0, 5310.0, 5714.0, 5349.0, 5274.0, 5630.0, 5339.0, 5627.0, 5342.0, 5304.0, 5430.0, 5632.0, 5442.0, 5707.0, 5437.0, 5412.0, 5545.0, 5622.0, 5264.0, 5619.0, 5252.0, 5647.0, 5300.0, 5691.0, 5687.0, 5699.0, 5375.0, 5502.0, 5688.0, 5722.0, 5633.0, 5530.0, 5482.0, 5640.0, 5258.0, 5674.0, 5434.0, 5609.0, 5564.0, 5698.0, 5614.0, 5532.0, 5571.0, 5448.0, 5374.0, 5362.0, 5669.0, 5376.0, 5547.0, 5595.0, 5488.0, 5540.0, 5663.0, 5290.0, 5289.0, 5570.0, 5650.0, 5601.0, 5608.0, 5720.0, 5378.0, 5629.0, 5373.0, 5510.0, 5295.0, 5559.0, 5407.0, 5522.0, 5253.0, 5587.0, 5331.0, 5380.0, 5404.0, 5549.0, 5456.0, 5679.0, 5723.0, 5477.0, 5638.0, 5625.0, 5474.0, 5537.0, 5529.0 (number of hits: 11)
28	5310	9	1	333	1	5477.0, 5655.0, 5554.0, 5319.0, 5588.0, 5637.0, 5628.0, 5570.0, 5681.0, 5285.0, 5305.0, 5324.0, 5425.0, 5717.0, 5553.0, 5362.0, 5624.0, 5512.0, 5605.0, 5376.0, 5632.0, 5658.0, 5709.0, 5439.0, 5561.0, 5266.0, 5549.0, 5471.0, 5534.0, 5321.0, 5672.0, 5475.0, 5405.0, 5443.0, 5661.0, 5328.0, 5354.0, 5422.0, 5542.0, 5400.0, 5545.0, 5416.0, 5718.0, 5650.0, 5322.0, 5435.0, 5403.0, 5639.0, 5346.0, 5483.0, 5533.0, 5667.0, 5397.0, 5638.0, 5325.0, 5331.0, 5287.0, 5705.0, 5701.0, 5289.0, 5575.0, 5710.0, 5481.0, 5368.0, 5441.0, 5651.0, 5254.0, 5448.0, 5711.0, 5312.0, 5385.0, 5391.0, 5671.0, 5704.0, 5584.0, 5541.0, 5641.0, 5694.0, 5367.0, 5396.0, 5634.0, 5286.0, 5680.0, 5571.0, 5587.0,

						5720.0, 5310.0, 5344.0, 5557.0, 5687.0, 5566.0, 5300.0, 5621.0, 5251.0, 5489.0, 5445.0, 5332.0, 5721.0, 5364.0, 5723.0 (number of hits: 10)
29	5310	9	1	333	1	5503.0, 5654.0, 5493.0, 5513.0, 5423.0, 5632.0, 5604.0, 5298.0, 5453.0, 5344.0, 5710.0, 5576.0, 5359.0, 5371.0, 5490.0, 5268.0, 5447.0, 5486.0, 5320.0, 5608.0, 5607.0, 5570.0, 5372.0, 5433.0, 5478.0, 5529.0, 5540.0, 5334.0, 5511.0, 5452.0, 5641.0, 5597.0, 5667.0, 5668.0, 5605.0, 5393.0, 5629.0, 5333.0, 5550.0, 5319.0, 5636.0, 5699.0, 5587.0, 5426.0, 5464.0, 5647.0, 5418.0, 5526.0, 5374.0, 5462.0, 5476.0, 5682.0, 5578.0, 5674.0, 5551.0, 5658.0, 5701.0, 5664.0, 5352.0, 5351.0, 5614.0, 5323.0, 5403.0, 5470.0, 5270.0, 5593.0, 5330.0, 5399.0, 5446.0, 5451.0, 5454.0, 5559.0, 5343.0, 5474.0, 5342.0, 5391.0, 5716.0, 5402.0, 5685.0, 5669.0, 5281.0, 5336.0, 5595.0, 5535.0, 5369.0, 5670.0, 5469.0, 5282.0, 5655.0, 5697.0, 5624.0, 5376.0, 5514.0, 5445.0, 5564.0, 5622.0, 5698.0, 5280.0, 5537.0, 5379.0 (number of hits: 4)
30	5310	9	1	333	1	5544.0, 5502.0, 5352.0, 5501.0, 5495.0, 5569.0, 5512.0, 5630.0, 5405.0, 5487.0, 5497.0, 5528.0, 5637.0, 5485.0, 5355.0, 5571.0, 5628.0, 5393.0, 5254.0, 5646.0, 5520.0, 5546.0, 5386.0, 5302.0, 5313.0, 5368.0, 5610.0, 5694.0, 5464.0, 5373.0, 5633.0, 5440.0, 5625.0, 5479.0, 5608.0, 5704.0, 5459.0, 5621.0, 5391.0, 5438.0, 5434.0, 5647.0, 5413.0, 5653.0, 5301.0, 5419.0, 5601.0, 5381.0, 5253.0, 5332.0, 5285.0, 5693.0, 5457.0, 5644.0, 5382.0, 5443.0, 5586.0, 5498.0, 5308.0, 5447.0, 5659.0, 5258.0, 5423.0, 5309.0, 5331.0, 5645.0, 5508.0, 5399.0, 5418.0, 5363.0, 5529.0, 5377.0, 5324.0, 5379.0, 5404.0, 5269.0, 5415.0, 5598.0, 5504.0, 5696.0, 5543.0, 5514.0, 5509.0, 5674.0, 5639.0, 5456.0, 5715.0, 5300.0, 5568.0, 5378.0, 5667.0, 5648.0, 5441.0, 5635.0, 5314.0, 5583.0, 5294.0, 5535.0, 5295.0, 5347.0 (number of hits: 10)

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	96.7 %	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:

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

Radar Type	Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
Type 1A	1	5510	81	1	658	1
	2	5510	67	1	798	1
	3	5510	68	1	778	1
	4	5510	72	1	738	1
	5	5510	76	1	698	1
	6	5510	95	1	558	1
	7	5510	92	1	578	1
	8	5510	83	1	638	1
	9	5510	63	1	838	1
	10	5510	61	1	878	1
	11	5510	74	1	718	1
	12	5510	99	1	538	1
	13	5510	89	1	598	1
	14	5510	70	1	758	1
	15	5510	58	1	918	1
Type 1B	16	5510	23	1	2298	1
	17	5510	91	1	585	1
	18	5510	47	1	1145	1
	19	5510	98	1	540	1
	20	5510	23	1	2299	1
	21	5510	19	1	2903	1
	22	5510	32	1	1670	1
	23	5510	77	1	689	1
	24	5510	50	1	1059	1
	25	5510	40	1	1320	1
	26	5510	75	1	710	1
	27	5510	32	1	1685	1
	28	5510	57	1	931	1
	29	5510	70	1	761	1
	30	5510	21	1	2538	1
Detection Percentage: 100 % (>60%)						

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	24	3.3	151	1
2	5510	24	3.9	158	1
3	5510	23	4.9	183	1
4	5510	23	3.3	156	1
5	5510	28	3.8	164	1
6	5510	29	3.8	166	1
7	5510	27	1.1	160	1
8	5510	29	1.6	177	1
9	5510	25	1.9	182	1
10	5510	29	4.1	206	0
11	5510	29	4.8	208	1
12	5510	25	4.5	221	1
13	5510	27	1.8	214	1
14	5510	24	3.5	195	0
15	5510	28	4.3	157	1
16	5510	28	3	185	1
17	5510	24	4.1	207	1
18	5510	28	3.3	155	1
19	5510	23	4.3	216	1
20	5510	24	3.5	178	1
21	5510	28	1.2	158	1
22	5510	27	1.9	184	1
23	5510	27	2.4	181	0
24	5510	26	2.3	163	0
25	5510	27	4.9	228	1
26	5510	26	2.7	222	1
27	5510	25	4.1	219	1
28	5510	27	2	196	1
29	5510	23	5	228	0
30	5510	24	4.1	160	1
Detection Percentage: 83.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	17	7.5	372	1
2	5510	17	7.4	410	1
3	5510	18	7.5	250	1
4	5510	17	8.3	419	1
5	5510	18	6.7	478	1
6	5510	17	9.4	331	1
7	5510	17	7.2	221	1
8	5510	17	8.7	421	1
9	5510	17	9.6	209	1
10	5510	17	8.9	299	1
11	5510	17	6.1	382	1
12	5510	17	8.4	466	1
13	5510	17	6.3	235	1
14	5510	17	8.4	406	1
15	5510	18	9.6	284	1
16	5510	16	7.3	496	1
17	5510	18	7.6	446	1
18	5510	17	7.4	358	1
19	5510	18	9.1	424	1
20	5510	18	7.3	408	1
21	5510	16	6.5	410	1
22	5510	17	9	457	1
23	5510	17	8.8	434	1
24	5510	16	9.4	443	1
25	5510	18	6.4	304	1
26	5510	16	9.7	224	1
27	5510	16	7.2	453	1
28	5510	17	9.1	329	1
29	5510	17	6.3	271	1
30	5510	18	6.5	216	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5510	16	19.6	421	1
2	5510	15	16.4	448	1
3	5510	12	20	498	1
4	5510	12	16.9	479	1
5	5510	16	15.2	203	1
6	5510	14	19.4	286	1
7	5510	13	15.1	401	1
8	5510	13	11	470	1
9	5510	13	13.5	442	1
10	5510	16	16.5	385	0
11	5510	13	16.2	481	1
12	5510	15	19.1	416	1
13	5510	16	19.6	493	1
14	5510	15	19.3	346	1
15	5510	13	11.1	443	1
16	5510	12	19.7	211	1
17	5510	12	12.3	496	1
18	5510	12	11	465	1
19	5510	15	19.4	385	1
20	5510	14	14.3	359	1
21	5510	16	13.3	465	1
22	5510	13	16	323	1
23	5510	16	19.3	414	1
24	5510	16	19.8	305	1
25	5510	14	13.8	212	1
26	5510	13	19.3	470	1
27	5510	14	12.7	294	1
28	5510	15	13.8	330	1
29	5510	15	14.5	350	1
30	5510	13	18.6	280	1
Detection Percentage: 96.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance
Bin5 Statistics 1

Frequency: 5504 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	53.6	1381		0.342515	1
1	1	16	71.3			1.240459	
2	2	18	54.5	1761		1.798168	
3	2	8	67.6	1841		2.932425	
4	2	15	59.9	1282		3.375444	
5	3	6	82.7	1770	1068	3.923681	
6	3	17	75.5	1576	1484	4.986643	
7	2	18	73.3	1169		5.520291	
8	1	6	74.6			6.577304	
9	1	10	50			7.323336	
10	2	7	75.6	1400		7.645821	
11	2	9	94	1986		8.882991	
12	2	11	95.8	1412		9.277715	
13	2	17	70	1787		10.460147	
14	2	15	64.9	1420		10.705617	
15	1	8	60.6			11.470983	

Bin5 Statistics 2

Frequency: 5514 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	87.1			0.596619	
1	1	18	69.6			0.992868	
2	1	8	57			1.414068	
3	1	9	80.8			1.916735	
4	2	11	55.5	1409		2.666372	
5	2	12	73.1	1812		3.573274	
6	3	9	58.2	1341	1866	4.032087	
7	2	19	98.7	1733		4.978924	
8	3	17	65.4	1176	1089	5.09011	
9	1	19	51.7			6.29417	1
10	1	16	87			6.517648	
11	2	8	58.8	1798		7.075345	
12	1	12	53.7			7.744745	
13	2	8	88.8	1561		8.820953	
14	2	15	70.7	1371		9.317218	
15	3	11	95.8	1627	1144	9.526332	
16	3	10	97.9	1304	1059	10.443118	
17	3	8	55.4	1974	1201	10.771115	
18	1	16	62.8			11.836366	

Bin5 Statistics 3

Frequency: 5508 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	75.2	1041		0.300143	1
1	2	17	75.6	1532		1.162636	
2	1	13	97.3			1.605683	
3	3	7	83.5	1701	1612	2.290135	
4	3	10	75	1674	1140	2.94864	
5	1	16	71.4			3.542421	
6	2	18	87.7	1819		4.312666	
7	3	11	72	1123	1535	4.737888	
8	1	16	77.1			5.689516	
9	2	8	77	1085		6.470597	
10	2	11	58.2	1516		6.906883	
11	2	9	53.1	1352		7.927524	
12	1	17	95.9			8.142155	
13	1	12	83.2			9.047176	
14	2	9	70.1	1060		9.761593	
15	3	10	67.9	1524	1822	10.391439	
16	1	11	50.8			11.278422	
17	2	5	69.6	1056		11.637599	

Bin5 Statistics 4

Frequency: 5503 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	60.8			0.488133	1
1	2	18	63.2	1653		1.472317	
2	3	14	52.3	1339	1318	1.670391	
3	2	18	76.9	1479		2.546888	
4	1	14	89.1			3.027601	
5	1	9	90.8			3.882516	
6	1	14	73.8			4.645209	
7	3	18	78.3	1524	1822	5.568237	
8	2	14	83.5	1246		6.229856	
9	2	7	78.4	1371		7.143009	
10	2	15	54.7	1719		8.171942	
11	3	17	95.5	1360	1157	8.610643	
12	1	10	52.5			9.05135	
13	2	16	90.8	1538		9.926861	
14	2	15	60.7	1076		10.640148	
15	2	11	52.6	1729		11.369565	

Bin5 Statistics 5

Frequency: 5509 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	70	1670		0.344734	1
1	3	19	69.3	1069	1419	1.2771	
2	2	9	54.1	1922		3.089681	
3	1	7	65			3.39181	
4	1	20	90			4.775986	
5	2	20	92.3	1206		5.799097	
6	2	15	83	1388		7.149643	
7	3	13	78.2	1601	1063	7.93504	
8	2	6	54.5	1402		9.480652	
9	1	17	95.5			10.390822	
10	2	11	75.3	1059		11.776654	

Bin5 Statistics 6

Frequency: 5513 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	91.8	1845		0.587258	1
1	3	6	80.6	1645	1058	0.953599	
2	1	7	93.2			1.651638	
3	2	6	86.7	1300		2.165705	
4	3	14	88.9	1559	1656	2.684999	
5	3	12	79.6	1573	1533	3.922745	
6	1	13	64.3			4.552593	
7	2	16	51.5	1465		4.78454	
8	2	7	93.6	1635		5.988169	
9	2	18	73.3	1423		6.565988	
10	2	16	66.7	1905		6.868667	
11	2	7	81	1857		7.640284	
12	3	12	86.7	1020	1045	8.29542	
13	2	14	66.1	1183		8.984643	
14	1	6	80.4			9.925667	
15	2	19	55.9	1779		10.192651	
16	1	6	98.4			11.196633	
17	1	12	83.5			11.500436	

Bin5 Statistics 7

Frequency: 5502 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	77.5			0.794635	1
1	1	7	87.8			1.842269	
2	2	8	80.6	1991		2.211426	
3	2	16	94	1164		2.86823	
4	2	8	57.8	1044		3.937116	
5	3	13	81.6	1908	1882	5.059338	
6	2	9	62.6	1630		6.007086	
7	2	11	88.2	1866		6.995404	
8	2	8	94.6	1507		7.605875	
9	2	10	69.4	1405		8.923767	
10	2	16	72.5	1801		9.357765	
11	1	8	53.8			10.65023	
12	2	11	62.2	1948		11.476688	

Bin5 Statistics 8

Frequency: 5511 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	99.6	1307		0.073085	1
1	2	13	84	1785		1.490572	
2	3	14	54.5	1904	1246	1.88242	
3	2	11	97.4	1507		3.145587	
4	1	16	76.2			3.922114	
5	3	14	99	1439	1696	4.585708	
6	2	17	54.1	1433		5.530392	
7	2	10	70.4	1679		6.633114	
8	2	9	72.7	1666		7.586171	
9	1	7	80.5			7.82152	
10	2	12	76.5	1799		8.860177	
11	2	8	82	1505		10.026051	
12	2	9	87.7	1364		11.057812	
13	1	13	93.3			11.700877	

Bin5 Statistics 9

Frequency: 5504 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	95.2	1159		0.083054	1
1	1	10	75			1.434498	
2	2	10	85.4	1137		2.226763	
3	2	12	62.7	1598		3.017731	
4	2	13	51	1160		3.284766	
5	3	16	79.5	1954	1439	4.527652	
6	1	14	88.7			5.362407	
7	3	16	77.9	1100	1977	5.629164	
8	2	8	71.6	1971		7.047367	
9	3	20	55.9	1151	1164	7.228112	
10	1	6	58.6			8.58611	
11	2	18	94.6	1271		9.046057	
12	2	18	95.5	1142		9.682349	
13	2	20	68.2	1695		11.060926	
14	1	17	83.7			11.546708	

Bin5 Statistics 10

Frequency: 5503 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	68.1	1211	1950	0.608162	1
1	3	11	66.5	1966	1328	2.181482	
2	3	19	57.6	1109	1155	3.516642	
3	1	6	88.6			5.084093	
4	3	5	66	1027	1794	7.460027	
5	2	16	62.7	1745		7.629564	
6	3	11	87.1	1018	1025	9.754435	
7	1	18	91			11.12342	

Bin5 Statistics 11

Frequency: 5509 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	79.2	1452	1365	0.651239	1
1	3	16	50.5	1512	1733	1.083254	
2	2	7	99.5	1910		1.910517	
3	1	16	94.8			2.79782	
4	1	19	77.2			3.727589	
5	3	11	75.6	1243	1315	4.755777	
6	2	11	92.9	1482		6.052603	
7	2	12	67	1709		7.069141	
8	1	16	94.9			7.404553	
9	3	19	92.5	1643	1426	8.759598	
10	2	8	55	1360		9.872044	
11	2	15	59.9	1864		10.432622	
12	3	19	90.5	1693	1192	11.416959	

Bin5 Statistics 12
Frequency: 5501 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	76.3	1032		0.509332	
1	3	19	82.1	1693	1999	0.851939	
2	2	7	73.7	1814		2.207779	
3	2	14	89.3	1229		2.538634	
4	2	19	78.6	1481		3.7317	
5	2	16	98.7	1559		4.256585	
6	1	7	98			4.981289	
7	1	11	87.5			6.342737	1
8	1	7	92.5			6.796508	
9	2	11	84.7	1403		7.744942	
10	3	12	84.9	1015	1860	8.340722	
11	2	19	89.2	1607		8.947861	
12	1	12	80.8			9.73115	
13	3	8	99	1941	1382	11.075708	
14	3	13	99.2	1868	1130	11.539865	

Bin5 Statistics 13
Frequency: 5511 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	78.1	1485		0.532637	
1	2	18	98	1224		0.738738	
2	1	6	80.7			1.717602	
3	3	14	58.6	1071	1161	2.604741	
4	1	13	57.9			3.100421	
5	2	20	55.3	1960		4.225618	
6	2	15	74	1982		4.31281	
7	2	17	61.2	1283		5.081796	
8	2	7	99.5	1823		5.854868	1
9	2	16	89.8	1728		7.039569	
10	2	16	82.7	1931		7.722637	
11	3	18	52.2	1870	1123	8.190345	
12	3	17	99.6	1669	1043	9.063447	
13	3	17	89.7	1560	1581	9.70673	
14	3	11	71.7	1637	1009	10.242686	
15	2	16	50.9	1579		10.878994	
16	3	17	68.3	1670	1172	11.409008	

Bin5 Statistics 14

Frequency: 5512 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	57.2	1030		0.496237	1
1	2	11	77.7	1557		1.142471	
2	1	17	54.5			1.228862	
3	1	8	64.4			1.966057	
4	3	14	95.8	1624	1572	2.482686	
5	3	14	69.2	1356	1157	3.021518	
6	2	18	75.6	1344		3.95909	
7	3	10	96.2	1972	1851	4.643766	
8	3	14	90.1	1867	1817	5.145889	
9	2	11	89.6	1024		5.961628	
10	2	17	94.2	1550		6.294994	
11	2	10	54.8	1999		6.881335	
12	3	17	86.5	1687	1230	7.625675	
13	2	12	79.6	1162		8.009021	
14	2	11	93.6	1968		8.743829	
15	2	16	82.6	1106		9.128015	
16	1	18	96.8			9.840181	
17	3	17	62	1392	1883	10.276781	
18	3	19	65.5	1999	1226	11.227272	
19	2	8	70.1	1446		11.646596	

Bin5 Statistics 15

Frequency: 5504 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	98	1737		1.022008	1
1	1	9	71.7			1.403988	
2	2	6	80.1	1874		2.27705	
3	1	10	63.8			3.313469	
4	2	7	82.3	1739		4.730316	
5	2	12	87.5	1800		5.974807	
6	3	19	82.6	1186	1090	6.737703	
7	2	11	90	1771		7.830309	
8	1	18	64			9.116309	
9	3	20	86.6	1711	1418	10.74527	
10	3	13	89.5	1942	1110	11.966834	

Bin5 Statistics 16

Frequency: 5512 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	51			0.074339	1
1	2	8	74.9	1327		1.449738	
2	3	17	69	1087	1781	2.121751	
3	2	17	64.2	1407		2.909436	
4	2	13	94.5	1752		3.222345	
5	2	9	88.5	1545		4.403166	
6	3	14	89.2	1185	1371	4.524598	
7	1	18	95.9			5.44619	
8	2	16	69.5	1559		6.273556	
9	2	20	82.7	1067		7.467411	
10	2	19	76.3	1923		8.115604	
11	2	12	68.5	1672		8.301895	
12	2	5	92.2	1006		9.55141	
13	3	8	69.8	1256	1158	9.933718	
14	1	7	98.2			10.816364	
15	2	19	83.4	1170		11.418269	

Bin5 Statistics 17

Frequency: 5508 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
1	2	12	76	1421		1.203736	
2	2	18	54.4	1736		1.337047	
3	1	6	54.5			2.498449	
4	2	19	99.8	1797		3.105934	
5	3	18	54.1	1715	1498	3.81918	
6	2	18	83.4	1236		4.08825	
7	2	11	74.6	1750		4.989904	
8	3	13	98.7	1391	1364	5.464325	
9	2	8	75	1840		6.186724	1
10	2	19	96.6	1870		6.825159	
11	2	17	90.2	1195		7.453949	
12	1	14	50.3			8.429496	
13	3	18	61.1	1338	1539	8.866807	
14	3	14	84.4	1560	1316	9.4764	
15	3	17	57.4	1959	1547	10.261745	
16	2	9	55.8	1043		10.859766	
17	1	9	81.5			11.653976	

Bin5 Statistics 18

Frequency: 5509 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	73			0.777919	
1	2	12	74.8	1317		1.423944	
2	2	11	98.7	1054		2.036442	
3	3	10	56	1253	1244	2.400838	
4	2	20	82.2	1177		3.55147	
5	1	12	91			4.138065	
6	2	14	93.2	1823		5.301341	
7	2	17	62.5	1491		6.300863	1
8	2	16	98.4	1702		6.460949	
9	2	16	88.3	1478		7.810168	
10	1	6	87.2			8.59147	
11	3	7	91.7	1050	1995	9.288902	
12	3	10	59.7	1804	1501	9.852987	
13	2	13	87.3	1596		10.532048	
14	3	8	73.4	1388	1748	11.653246	

Bin5 Statistics 19

Frequency: 5510 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	64.6			0.311888	
1	3	9	90	1435	1235	0.899813	
2	2	16	55.3	1723		1.836764	
3	2	17	67.8	1527		2.714245	
4	1	19	69.9			3.287159	
5	2	20	83.9	1704		4.677533	
6	1	19	77			5.009102	
7	3	7	67.9	1884	1123	6.055092	1
8	2	13	61.9	1840		6.410064	
9	2	13	82.6	1221		7.280896	
10	2	13	76.8	1205		8.394139	
11	3	16	88.5	1788	1497	9.583781	
12	2	11	76.7	1934		9.775437	
13	2	12	72.2	1566		11.1785	
14	3	14	66	1944	1772	11.985736	

Bin5 Statistics 20
Frequency: 5514 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	75.7	1180	1206	0.03129	
1	3	14	70.1	1035	1448	1.174497	
2	2	12	95.6	1282		1.379497	
3	1	7	68.1			2.131944	
4	2	16	69.2	1064		3.060545	
5	2	15	93.5	1969		3.358641	
6	2	12	84.3	1900		4.011516	
7	2	5	75.8	1580		4.746587	
8	2	17	77	1356		5.477544	
9	2	7	86.9	1897		6.225845	1
10	2	7	68.9	1629		6.768993	
11	2	8	93.8	1223		7.499918	
12	3	18	89.2	1227	1139	7.733772	
13	2	16	88	1139		8.217533	
14	2	6	53.7	1739		9.293377	
15	1	17	73.6			9.888466	
16	1	7	92.4			10.503995	
17	2	12	84	1100		11.351624	
18	3	7	74.2	1920	1769	11.979611	

Bin5 Statistics 21
Frequency: 5515 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	51.7	1220		0.535407	
1	2	12	51.6	1465		1.110924	
2	1	5	53.3			2.405498	
3	3	9	51.2	1184	1582	3.160345	
4	3	16	53.1	1485	1458	4.42849	
5	2	10	81.9	1036		4.880895	
6	1	14	74.5			6.324723	1
7	1	13	58.4			7.116715	
8	2	18	74.1	1636		8.300348	
9	1	12	85			9.110988	
10	3	8	98	1432	1415	9.917227	
11	3	7	56.5	1636	1131	10.666829	
12	1	10	88.8			11.392415	

Bin5 Statistics 22

Frequency: 5507 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	95.6	1648		0.01361	
1	1	6	52.3			0.995741	
2	2	12	84.8	1011		1.58277	
3	2	6	74.2	1575		2.419222	
4	2	11	60	1429		3.066946	
5	2	9	74.9	1964		3.336824	
6	2	8	90.9	1660		4.150595	
7	2	18	84.9	1999		4.450796	
8	2	6	67.4	1901		5.05604	
9	3	10	54.9	1508	1104	5.829784	1
10	2	16	95.5	1951		6.905119	
11	2	17	50.3	1340		7.083427	
12	1	10	72.8			7.901212	
13	2	20	52.4	1908		8.60073	
14	3	9	96.3	1080	1770	9.467042	
15	3	18	63.2	1175	1904	10.071383	
16	3	16	93.7	1166	1391	10.48821	
17	1	12	95.6			11.277068	
18	2	10	76	1603		11.422915	

Bin5 Statistics 23

Frequency: 5512 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	54.5			0.675155	
1	3	11	96.4	1609	1549	1.86062	
2	2	6	56.5	1872		3.221109	
3	1	19	89.7			4.195253	
4	2	10	74.6	1326		5.396643	1
5	3	12	71.5	1695	1929	7.0739	
6	2	13	55.6	1449		8.29814	
7	1	15	77.4			8.567543	
8	3	13	82.4	1556	1681	9.723342	
9	2	18	77.9	1050		10.800929	

Bin5 Statistics 24

Frequency: 5504 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	94.4	1178		0.289149	
1	2	10	95.1	1639		1.349571	
2	2	14	78.1	1528		2.181551	
3	1	11	82			2.502393	
4	2	8	50.7	1337		3.784975	
5	2	6	68.5	1841		4.212054	
6	1	14	94.8			5.500225	
7	1	16	73.9			5.924203	1
8	2	13	67.1	1470		6.975943	
9	2	6	53.3	1304		7.311888	
10	3	18	75.3	1024	1746	8.693912	
11	3	12	66.3	1813	1592	9.571733	
12	2	20	97.1	1458		9.874483	
13	1	13	70.6			10.800431	
14	3	13	63	1773	1881	11.540806	

Bin5 Statistics 25

Frequency: 5511 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	99.6	1871		0.329906	
1	3	12	75	1554	1077	1.200252	
2	1	8	76.7			3.022544	
3	2	14	72.8	1438		3.728221	
4	3	19	90.8	1943	1136	5.929877	1
5	3	11	83.4	1972	1718	7.160283	
6	3	18	59.8	1795	1910	8.032651	
7	3	6	60	1058	1398	9.077596	
8	2	13	74.8	1456		9.708722	
9	2	11	87.7	1972		11.457262	

Bin5 Statistics 26

Frequency: 5510 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	75.6	1608		0.379628	1
1	1	18	86.9			0.887477	
2	1	13	86.9			1.324415	
3	2	14	52.6	1737		2.185765	
4	1	17	57.3			2.613076	
5	3	11	50.9	1558	1073	3.472832	
6	2	19	88.6	1959		3.76486	
7	1	11	93.8			4.389602	
8	1	13	92.2			4.821724	
9	3	10	83	1115	1422	5.939374	
10	2	16	90.2	1327		6.034046	
11	3	19	90.4	1384	1289	6.945083	
12	2	17	93.3	1420		7.62775	
13	2	11	75.1	1747		7.938177	
14	2	7	56.3	1652		8.583576	
15	3	9	72	1981	1491	9.297223	
16	3	19	59.5	1576	1438	10.045921	
17	1	16	88.6			10.385614	
18	2	7	59.6	1299		10.814686	
19	1	16	62.4			11.920115	

Bin5 Statistics 27

Frequency: 5501 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	91	1122		0.608938	1
1	2	16	93	1678		0.874196	
2	1	19	60.3			1.567947	
3	2	10	99	1802		2.965293	
4	1	12	87.2			3.021071	
5	2	13	91.8	1100		4.210418	
6	1	7	88.2			4.819314	
7	1	8	92.3			5.664427	
8	1	11	62.3			6.016237	
9	1	5	99.9			7.292522	
10	2	9	77.1	1141		7.787585	
11	2	16	96.2	1085		8.577752	
12	3	6	63.1	1186	1698	9.104072	
13	2	8	72	1997		9.77795	
14	3	10	85.8	1414	1343	10.605905	
15	3	5	81.1	1243	1705	11.800187	

Bin5 Statistics 28

Frequency: 5502 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	72.8	1975	1859	0.597526	1
1	2	13	50.8	1851		1.741358	
2	2	17	59.1	1970		2.382241	
3	3	19	97.2	1094	1041	3.128802	
4	2	15	65.1	1047		4.309794	
5	3	11	54.2	1899	1995	4.915313	
6	2	16	68.3	1956		5.703815	
7	2	9	73.8	1275		6.707563	
8	2	11	50.3	1449		7.610909	
9	3	16	91.2	1118	1130	8.825975	
10	3	17	87.2	1809	1952	9.534938	
11	3	14	63.7	1191	1879	10.686291	
12	1	16	86.6			11.987729	

Bin5 Statistics 29

Frequency: 5508 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	56.8	1664		0.014039	
1	1	17	55.1			0.664001	
2	2	9	75.5	1599		1.757646	
3	3	8	87.1	1446	1628	2.242753	
4	1	10	74.9			2.633965	
5	2	15	86.8	1959		3.080681	
6	1	6	53.4			3.689828	
7	2	12	72	1619		4.5633	
8	2	7	91.8	1377		5.118412	
9	3	7	77.3	1401	1833	5.577604	
10	2	17	53.4	1869		6.152053	1
11	2	9	95.9	1873		6.963957	
12	3	12	71.9	1100	1914	7.327989	
13	1	8	50.3			7.866342	
14	2	15	79.5	1385		8.440821	
15	2	5	60.7	1170		9.036978	
16	2	12	63.7	1785		9.837397	
17	1	6	62.8			10.511279	
18	3	13	97.2	1317	1495	11.070395	
19	1	5	90.9			11.570996	

Bin5 Statistics 30

Frequency: 5514 MHz

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	84.8	1430		1.089486	
1	2	12	66.8	1154		1.879833	
2	1	10	98.3			2.962086	
3	2	17	75	1710		5.031555	
4	2	5	58.2	1438		6.641024	1
5	1	7	89.4			7.918838	
6	1	19	98.5			8.442038	
7	2	13	55.9	1462		10.62041	
8	2	12	74.3	1467		11.731754	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510	9	1	333	1	5352.0, 5673.0, 5275.0, 5330.0, 5319.0, 5301.0, 5279.0, 5504.0, 5677.0, 5541.0, 5393.0, 5339.0, 5379.0, 5422.0, 5287.0, 5369.0, 5343.0, 5523.0, 5457.0, 5720.0, 5451.0, 5618.0, 5306.0, 5375.0, 5448.0, 5626.0, 5456.0, 5295.0, 5664.0, 5610.0, 5508.0, 5597.0, 5328.0, 5254.0, 5366.0, 5503.0, 5662.0, 5405.0, 5488.0, 5681.0, 5604.0, 5417.0, 5548.0, 5724.0, 5290.0, 5327.0, 5460.0, 5322.0, 5526.0, 5292.0, 5361.0, 5566.0, 5635.0, 5323.0, 5570.0, 5684.0, 5687.0, 5342.0, 5394.0, 5601.0, 5587.0, 5592.0, 5344.0, 5386.0, 5355.0, 5711.0, 5607.0, 5333.0, 5351.0, 5593.0, 5428.0, 5321.0, 5556.0, 5586.0, 5441.0, 5372.0, 5453.0, 5251.0, 5634.0, 5267.0, 5256.0, 5558.0, 5639.0, 5430.0, 5576.0, 5257.0, 5437.0, 5700.0, 5690.0, 5363.0, 5702.0, 5671.0, 5678.0, 5663.0, 5646.0, 5305.0, 5459.0, 5416.0, 5636.0, 5269.0 (number of hits: 3)
2	5510	9	1	333	1	5699.0, 5591.0, 5431.0, 5441.0, 5619.0, 5663.0, 5352.0, 5687.0, 5662.0, 5682.0, 5622.0, 5299.0, 5264.0, 5401.0, 5414.0, 5399.0, 5393.0, 5274.0, 5469.0, 5515.0, 5618.0, 5613.0, 5652.0, 5588.0, 5327.0, 5575.0, 5502.0, 5691.0, 5361.0, 5495.0, 5275.0, 5719.0, 5258.0, 5637.0, 5429.0, 5480.0, 5316.0, 5645.0, 5560.0, 5582.0, 5334.0, 5514.0, 5259.0, 5251.0, 5263.0, 5478.0, 5467.0, 5654.0, 5558.0, 5700.0, 5443.0, 5499.0, 5651.0, 5604.0, 5343.0, 5669.0, 5315.0, 5640.0, 5400.0, 5599.0, 5333.0, 5425.0, 5646.0, 5342.0, 5406.0, 5300.0, 5291.0, 5718.0, 5420.0, 5511.0, 5367.0, 5688.0, 5356.0, 5504.0, 5713.0, 5701.0, 5471.0, 5351.0, 5707.0, 5301.0, 5709.0, 5391.0, 5388.0, 5430.0, 5374.0, 5704.0, 5363.0, 5578.0, 5322.0, 5590.0, 5696.0, 5526.0, 5594.0, 5265.0, 5541.0, 5328.0, 5680.0, 5413.0, 5293.0, 5621.0 (number of hits: 5)
3	5510	9	1	333	1	5298.0, 5572.0, 5692.0, 5474.0, 5252.0, 5472.0, 5449.0, 5373.0, 5618.0, 5576.0, 5654.0, 5346.0, 5514.0, 5666.0, 5711.0, 5600.0, 5405.0, 5303.0, 5308.0, 5644.0, 5656.0, 5280.0, 5369.0, 5480.0, 5700.0, 5323.0, 5359.0, 5652.0, 5713.0, 5427.0, 5445.0, 5451.0, 5573.0, 5263.0, 5613.0, 5588.0, 5688.0, 5410.0, 5546.0, 5662.0, 5567.0, 5300.0, 5371.0, 5608.0, 5465.0, 5574.0, 5718.0, 5393.0, 5712.0, 5433.0, 5515.0, 5529.0, 5716.0, 5361.0, 5338.0,

						5589.0, 5633.0, 5358.0, 5419.0, 5251.0, 5486.0, 5564.0, 5481.0, 5583.0, 5441.0, 5680.0, 5306.0, 5629.0, 5271.0, 5364.0, 5377.0, 5569.0, 5647.0, 5439.0, 5657.0, 5450.0, 5272.0, 5250.0, 5389.0, 5390.0, 5351.0, 5524.0, 5639.0, 5521.0, 5365.0, 5717.0, 5275.0, 5468.0, 5281.0, 5387.0, 5295.0, 5478.0, 5660.0, 5399.0, 5257.0, 5287.0, 5426.0, 5383.0, 5541.0, 5601.0 (number of hits: 2)
4	5510	9	1	333	1	5331.0, 5533.0, 5410.0, 5452.0, 5316.0, 5472.0, 5536.0, 5415.0, 5665.0, 5354.0, 5335.0, 5474.0, 5363.0, 5706.0, 5711.0, 5487.0, 5262.0, 5678.0, 5619.0, 5346.0, 5392.0, 5426.0, 5407.0, 5691.0, 5440.0, 5658.0, 5559.0, 5283.0, 5257.0, 5377.0, 5642.0, 5268.0, 5273.0, 5387.0, 5347.0, 5295.0, 5293.0, 5266.0, 5710.0, 5493.0, 5470.0, 5610.0, 5422.0, 5367.0, 5632.0, 5534.0, 5373.0, 5391.0, 5693.0, 5501.0, 5336.0, 5325.0, 5263.0, 5301.0, 5579.0, 5527.0, 5607.0, 5252.0, 5479.0, 5511.0, 5464.0, 5712.0, 5588.0, 5438.0, 5694.0, 5637.0, 5591.0, 5420.0, 5624.0, 5430.0, 5290.0, 5647.0, 5522.0, 5638.0, 5718.0, 5497.0, 5376.0, 5649.0, 5390.0, 5596.0, 5547.0, 5307.0, 5338.0, 5554.0, 5313.0, 5675.0, 5261.0, 5425.0, 5565.0, 5650.0, 5563.0, 5582.0, 5562.0, 5434.0, 5651.0, 5643.0, 5414.0, 5309.0, 5359.0, 5406.0 (number of hits: 2)
5	5510	9	1	333	1	5677.0, 5682.0, 5274.0, 5689.0, 5490.0, 5299.0, 5598.0, 5717.0, 5260.0, 5343.0, 5321.0, 5275.0, 5654.0, 5561.0, 5294.0, 5318.0, 5422.0, 5699.0, 5342.0, 5588.0, 5288.0, 5674.0, 5454.0, 5330.0, 5399.0, 5322.0, 5549.0, 5554.0, 5520.0, 5278.0, 5583.0, 5702.0, 5423.0, 5395.0, 5336.0, 5491.0, 5610.0, 5575.0, 5382.0, 5261.0, 5409.0, 5415.0, 5690.0, 5316.0, 5257.0, 5669.0, 5609.0, 5649.0, 5545.0, 5407.0, 5335.0, 5486.0, 5416.0, 5360.0, 5286.0, 5374.0, 5571.0, 5511.0, 5708.0, 5456.0, 5324.0, 5449.0, 5473.0, 5459.0, 5679.0, 5599.0, 5544.0, 5620.0, 5279.0, 5450.0, 5389.0, 5636.0, 5528.0, 5700.0, 5315.0, 5434.0, 5627.0, 5703.0, 5402.0, 5438.0, 5607.0, 5706.0, 5483.0, 5376.0, 5298.0, 5460.0, 5503.0, 5428.0, 5502.0, 5509.0, 5251.0, 5331.0, 5693.0, 5305.0, 5670.0, 5475.0, 5256.0, 5328.0, 5652.0, 5716.0 (number of hits: 4)
6	5510	9	1	333	1	5514.0, 5704.0, 5383.0, 5590.0, 5456.0, 5468.0, 5701.0, 5530.0, 5598.0, 5439.0, 5265.0, 5351.0, 5325.0, 5375.0, 5495.0, 5665.0, 5414.0, 5276.0, 5576.0, 5662.0, 5597.0, 5379.0, 5395.0, 5434.0, 5584.0, 5274.0, 5562.0, 5410.0, 5550.0, 5430.0, 5371.0, 5341.0, 5310.0, 5503.0, 5360.0,

						5661.0, 5337.0, 5455.0, 5608.0, 5680.0, 5624.0, 5491.0, 5289.0, 5364.0, 5688.0, 5558.0, 5627.0, 5380.0, 5673.0, 5457.0, 5518.0, 5581.0, 5626.0, 5441.0, 5540.0, 5717.0, 5442.0, 5545.0, 5350.0, 5389.0, 5413.0, 5525.0, 5543.0, 5577.0, 5664.0, 5396.0, 5567.0, 5713.0, 5479.0, 5269.0, 5542.0, 5466.0, 5622.0, 5563.0, 5405.0, 5534.0, 5263.0, 5498.0, 5378.0, 5454.0, 5641.0, 5642.0, 5648.0, 5697.0, 5470.0, 5614.0, 5523.0, 5445.0, 5492.0, 5319.0, 5361.0, 5615.0, 5450.0, 5526.0, 5619.0, 5476.0, 5285.0, 5292.0, 5397.0, 5336.0 (number of hits: 3)
7	5510	9	1	333	1	5705.0, 5686.0, 5324.0, 5720.0, 5550.0, 5501.0, 5597.0, 5567.0, 5619.0, 5360.0, 5317.0, 5466.0, 5696.0, 5570.0, 5657.0, 5314.0, 5706.0, 5507.0, 5699.0, 5261.0, 5537.0, 5286.0, 5524.0, 5598.0, 5405.0, 5603.0, 5345.0, 5609.0, 5513.0, 5377.0, 5509.0, 5658.0, 5504.0, 5516.0, 5431.0, 5689.0, 5530.0, 5285.0, 5682.0, 5505.0, 5411.0, 5517.0, 5586.0, 5389.0, 5384.0, 5477.0, 5677.0, 5626.0, 5419.0, 5420.0, 5672.0, 5288.0, 5628.0, 5691.0, 5331.0, 5683.0, 5719.0, 5313.0, 5711.0, 5464.0, 5455.0, 5463.0, 5531.0, 5278.0, 5375.0, 5553.0, 5676.0, 5572.0, 5616.0, 5367.0, 5661.0, 5543.0, 5593.0, 5391.0, 5568.0, 5722.0, 5556.0, 5269.0, 5640.0, 5653.0, 5435.0, 5358.0, 5694.0, 5476.0, 5421.0, 5257.0, 5398.0, 5580.0, 5579.0, 5606.0, 5511.0, 5361.0, 5291.0, 5418.0, 5551.0, 5333.0, 5491.0, 5610.0, 5352.0, 5307.0 (number of hits: 9)
8	5510	9	1	333	1	5278.0, 5378.0, 5580.0, 5505.0, 5401.0, 5500.0, 5585.0, 5560.0, 5602.0, 5351.0, 5556.0, 5557.0, 5578.0, 5471.0, 5374.0, 5508.0, 5454.0, 5259.0, 5546.0, 5267.0, 5443.0, 5319.0, 5548.0, 5576.0, 5694.0, 5572.0, 5425.0, 5535.0, 5485.0, 5458.0, 5658.0, 5705.0, 5315.0, 5614.0, 5664.0, 5275.0, 5283.0, 5445.0, 5597.0, 5331.0, 5627.0, 5712.0, 5287.0, 5716.0, 5574.0, 5718.0, 5512.0, 5484.0, 5579.0, 5592.0, 5429.0, 5591.0, 5502.0, 5503.0, 5344.0, 5252.0, 5541.0, 5669.0, 5295.0, 5682.0, 5539.0, 5685.0, 5281.0, 5433.0, 5297.0, 5286.0, 5550.0, 5544.0, 5675.0, 5372.0, 5260.0, 5326.0, 5395.0, 5608.0, 5543.0, 5652.0, 5588.0, 5568.0, 5255.0, 5270.0, 5435.0, 5343.0, 5634.0, 5290.0, 5455.0, 5288.0, 5673.0, 5515.0, 5663.0, 5656.0, 5552.0, 5470.0, 5708.0, 5446.0, 5606.0, 5427.0, 5466.0, 5651.0, 5370.0, 5659.0 (number of hits: 7)
9	5510	9	1	333	1	5482.0, 5673.0, 5431.0, 5421.0, 5670.0, 5323.0, 5405.0, 5265.0, 5686.0, 5344.0, 5410.0, 5429.0, 5327.0, 5275.0, 5436.0,

						5648.0, 5614.0, 5392.0, 5677.0, 5346.0, 5320.0, 5554.0, 5503.0, 5277.0, 5552.0, 5465.0, 5336.0, 5407.0, 5413.0, 5424.0, 5693.0, 5340.0, 5369.0, 5343.0, 5427.0, 5507.0, 5672.0, 5689.0, 5671.0, 5540.0, 5508.0, 5569.0, 5276.0, 5393.0, 5570.0, 5471.0, 5501.0, 5251.0, 5328.0, 5412.0, 5489.0, 5701.0, 5280.0, 5711.0, 5373.0, 5372.0, 5612.0, 5549.0, 5292.0, 5700.0, 5416.0, 5560.0, 5402.0, 5308.0, 5448.0, 5594.0, 5536.0, 5716.0, 5719.0, 5651.0, 5483.0, 5272.0, 5419.0, 5375.0, 5376.0, 5274.0, 5580.0, 5374.0, 5714.0, 5400.0, 5642.0, 5578.0, 5606.0, 5696.0, 5629.0, 5543.0, 5571.0, 5330.0, 5307.0, 5623.0, 5523.0, 5291.0, 5259.0, 5312.0, 5396.0, 5302.0, 5476.0, 5502.0, 5398.0, 5490.0 (number of hits: 5)
10	5510	9	1	333	1	5411.0, 5438.0, 5474.0, 5344.0, 5611.0, 5465.0, 5547.0, 5361.0, 5687.0, 5507.0, 5257.0, 5570.0, 5533.0, 5637.0, 5678.0, 5630.0, 5366.0, 5714.0, 5652.0, 5649.0, 5435.0, 5329.0, 5633.0, 5458.0, 5560.0, 5434.0, 5447.0, 5440.0, 5688.0, 5486.0, 5424.0, 5705.0, 5642.0, 5582.0, 5274.0, 5353.0, 5414.0, 5338.0, 5282.0, 5521.0, 5559.0, 5466.0, 5580.0, 5645.0, 5386.0, 5700.0, 5719.0, 5330.0, 5393.0, 5270.0, 5342.0, 5494.0, 5712.0, 5320.0, 5720.0, 5345.0, 5662.0, 5436.0, 5686.0, 5432.0, 5451.0, 5598.0, 5646.0, 5324.0, 5691.0, 5502.0, 5513.0, 5600.0, 5351.0, 5297.0, 5529.0, 5704.0, 5325.0, 5654.0, 5357.0, 5316.0, 5404.0, 5262.0, 5399.0, 5370.0, 5527.0, 5260.0, 5454.0, 5565.0, 5543.0, 5624.0, 5542.0, 5713.0, 5519.0, 5690.0, 5398.0, 5348.0, 5685.0, 5608.0, 5562.0, 5672.0, 5515.0, 5638.0, 5277.0, 5701.0 (number of hits: 5)
11	5510	9	1	333	1	5653.0, 5263.0, 5657.0, 5302.0, 5708.0, 5332.0, 5660.0, 5360.0, 5512.0, 5511.0, 5492.0, 5711.0, 5339.0, 5272.0, 5516.0, 5683.0, 5372.0, 5715.0, 5423.0, 5534.0, 5373.0, 5377.0, 5613.0, 5591.0, 5508.0, 5425.0, 5482.0, 5308.0, 5439.0, 5526.0, 5406.0, 5472.0, 5261.0, 5495.0, 5330.0, 5324.0, 5596.0, 5473.0, 5566.0, 5710.0, 5704.0, 5265.0, 5703.0, 5643.0, 5322.0, 5337.0, 5374.0, 5262.0, 5335.0, 5251.0, 5569.0, 5485.0, 5625.0, 5399.0, 5663.0, 5433.0, 5636.0, 5346.0, 5462.0, 5499.0, 5552.0, 5405.0, 5585.0, 5666.0, 5316.0, 5669.0, 5628.0, 5280.0, 5615.0, 5679.0, 5547.0, 5709.0, 5400.0, 5674.0, 5501.0, 5342.0, 5388.0, 5688.0, 5509.0, 5307.0, 5320.0, 5622.0, 5317.0, 5588.0, 5699.0, 5362.0, 5355.0, 5359.0, 5269.0, 5576.0, 5351.0, 5260.0, 5295.0, 5279.0, 5365.0, 5456.0, 5288.0, 5328.0, 5408.0, 5313.0

						(number of hits: 6)
12	5510	9	1	333	1	5445.0, 5655.0, 5409.0, 5665.0, 5658.0, 5699.0, 5534.0, 5511.0, 5635.0, 5612.0, 5630.0, 5420.0, 5697.0, 5679.0, 5686.0, 5336.0, 5258.0, 5466.0, 5287.0, 5666.0, 5588.0, 5419.0, 5326.0, 5408.0, 5433.0, 5639.0, 5601.0, 5526.0, 5340.0, 5589.0, 5629.0, 5507.0, 5552.0, 5361.0, 5405.0, 5454.0, 5643.0, 5300.0, 5713.0, 5715.0, 5314.0, 5632.0, 5492.0, 5410.0, 5678.0, 5400.0, 5668.0, 5343.0, 5620.0, 5590.0, 5463.0, 5567.0, 5393.0, 5346.0, 5451.0, 5303.0, 5614.0, 5484.0, 5593.0, 5532.0, 5513.0, 5608.0, 5518.0, 5253.0, 5660.0, 5719.0, 5712.0, 5359.0, 5273.0, 5296.0, 5704.0, 5256.0, 5294.0, 5683.0, 5662.0, 5367.0, 5613.0, 5535.0, 5722.0, 5385.0, 5541.0, 5675.0, 5271.0, 5426.0, 5351.0, 5664.0, 5617.0, 5681.0, 5436.0, 5448.0, 5479.0, 5452.0, 5505.0, 5437.0, 5496.0, 5406.0, 5509.0, 5283.0, 5353.0, 5542.0 (number of hits: 6)
13	5510	9	1	333	1	5346.0, 5458.0, 5265.0, 5472.0, 5329.0, 5521.0, 5258.0, 5634.0, 5493.0, 5514.0, 5673.0, 5466.0, 5557.0, 5626.0, 5399.0, 5416.0, 5723.0, 5609.0, 5527.0, 5318.0, 5275.0, 5338.0, 5709.0, 5450.0, 5312.0, 5255.0, 5417.0, 5376.0, 5545.0, 5601.0, 5632.0, 5304.0, 5379.0, 5572.0, 5424.0, 5659.0, 5256.0, 5656.0, 5588.0, 5296.0, 5284.0, 5462.0, 5475.0, 5645.0, 5674.0, 5394.0, 5364.0, 5456.0, 5326.0, 5687.0, 5528.0, 5353.0, 5610.0, 5583.0, 5541.0, 5264.0, 5340.0, 5413.0, 5476.0, 5268.0, 5539.0, 5400.0, 5419.0, 5596.0, 5538.0, 5368.0, 5614.0, 5581.0, 5369.0, 5655.0, 5602.0, 5282.0, 5627.0, 5377.0, 5272.0, 5300.0, 5615.0, 5381.0, 5594.0, 5504.0, 5507.0, 5414.0, 5309.0, 5276.0, 5430.0, 5491.0, 5604.0, 5445.0, 5372.0, 5501.0, 5322.0, 5323.0, 5625.0, 5433.0, 5650.0, 5439.0, 5355.0, 5281.0, 5712.0, 5722.0 (number of hits: 4)
14	5510	9	1	333	1	5435.0, 5360.0, 5423.0, 5625.0, 5332.0, 5564.0, 5516.0, 5250.0, 5266.0, 5511.0, 5502.0, 5285.0, 5648.0, 5551.0, 5438.0, 5267.0, 5470.0, 5458.0, 5637.0, 5584.0, 5316.0, 5364.0, 5419.0, 5358.0, 5556.0, 5497.0, 5604.0, 5615.0, 5565.0, 5622.0, 5638.0, 5696.0, 5589.0, 5384.0, 5488.0, 5591.0, 5397.0, 5477.0, 5447.0, 5367.0, 5475.0, 5451.0, 5369.0, 5649.0, 5611.0, 5553.0, 5427.0, 5366.0, 5647.0, 5383.0, 5321.0, 5632.0, 5406.0, 5331.0, 5336.0, 5614.0, 5518.0, 5500.0, 5505.0, 5540.0, 5550.0, 5708.0, 5535.0, 5720.0, 5308.0, 5503.0, 5467.0, 5562.0, 5329.0, 5428.0, 5362.0, 5411.0, 5478.0, 5270.0, 5699.0, 5389.0, 5359.0, 5298.0, 5319.0, 5377.0,

						5415.0, 5713.0, 5381.0, 5372.0, 5456.0, 5530.0, 5385.0, 5651.0, 5409.0, 5585.0, 5288.0, 5537.0, 5443.0, 5592.0, 5681.0, 5629.0, 5702.0, 5333.0, 5606.0, 5455.0 (number of hits: 7)
15	5510	9	1	333	1	5580.0, 5396.0, 5653.0, 5327.0, 5349.0, 5382.0, 5341.0, 5273.0, 5667.0, 5292.0, 5553.0, 5598.0, 5258.0, 5555.0, 5675.0, 5525.0, 5444.0, 5552.0, 5647.0, 5435.0, 5354.0, 5502.0, 5562.0, 5594.0, 5526.0, 5446.0, 5425.0, 5311.0, 5619.0, 5507.0, 5321.0, 5595.0, 5528.0, 5400.0, 5296.0, 5494.0, 5487.0, 5679.0, 5644.0, 5424.0, 5656.0, 5264.0, 5632.0, 5418.0, 5263.0, 5561.0, 5511.0, 5569.0, 5643.0, 5677.0, 5597.0, 5680.0, 5361.0, 5419.0, 5309.0, 5303.0, 5551.0, 5350.0, 5610.0, 5475.0, 5572.0, 5530.0, 5716.0, 5313.0, 5641.0, 5658.0, 5377.0, 5470.0, 5693.0, 5577.0, 5607.0, 5290.0, 5509.0, 5536.0, 5570.0, 5415.0, 5261.0, 5499.0, 5664.0, 5566.0, 5426.0, 5312.0, 5381.0, 5578.0, 5367.0, 5346.0, 5286.0, 5584.0, 5372.0, 5615.0, 5473.0, 5489.0, 5602.0, 5440.0, 5504.0, 5492.0, 5337.0, 5322.0, 5557.0, 5668.0 (number of hits: 5)
16	5510	9	1	333	1	5348.0, 5320.0, 5396.0, 5671.0, 5459.0, 5622.0, 5539.0, 5579.0, 5614.0, 5364.0, 5390.0, 5703.0, 5264.0, 5457.0, 5477.0, 5657.0, 5722.0, 5558.0, 5365.0, 5666.0, 5400.0, 5356.0, 5483.0, 5358.0, 5674.0, 5429.0, 5537.0, 5646.0, 5435.0, 5411.0, 5514.0, 5426.0, 5388.0, 5511.0, 5553.0, 5305.0, 5526.0, 5663.0, 5522.0, 5341.0, 5370.0, 5547.0, 5450.0, 5487.0, 5309.0, 5472.0, 5349.0, 5532.0, 5275.0, 5502.0, 5581.0, 5578.0, 5540.0, 5359.0, 5266.0, 5692.0, 5463.0, 5620.0, 5310.0, 5413.0, 5705.0, 5568.0, 5449.0, 5343.0, 5409.0, 5542.0, 5375.0, 5369.0, 5268.0, 5678.0, 5585.0, 5607.0, 5335.0, 5569.0, 5422.0, 5317.0, 5676.0, 5276.0, 5345.0, 5621.0, 5442.0, 5357.0, 5552.0, 5386.0, 5517.0, 5541.0, 5615.0, 5697.0, 5608.0, 5254.0, 5286.0, 5379.0, 5654.0, 5287.0, 5464.0, 5339.0, 5387.0, 5698.0, 5687.0, 5416.0 (number of hits: 4)
17	5510	9	1	333	1	5686.0, 5589.0, 5432.0, 5346.0, 5426.0, 5517.0, 5320.0, 5689.0, 5437.0, 5676.0, 5335.0, 5446.0, 5377.0, 5677.0, 5497.0, 5284.0, 5694.0, 5418.0, 5530.0, 5703.0, 5475.0, 5615.0, 5621.0, 5503.0, 5357.0, 5506.0, 5273.0, 5390.0, 5332.0, 5723.0, 5586.0, 5563.0, 5499.0, 5258.0, 5399.0, 5453.0, 5428.0, 5692.0, 5576.0, 5582.0, 5268.0, 5633.0, 5311.0, 5604.0, 5336.0, 5648.0, 5375.0, 5421.0, 5690.0, 5260.0, 5596.0, 5459.0, 5325.0, 5331.0, 5305.0, 5359.0, 5436.0, 5353.0, 5536.0, 5597.0,

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18	5510	9	1	333	1	5258.0, 5607.0, 5417.0, 5559.0, 5326.0, 5711.0, 5484.0, 5624.0, 5386.0, 5343.0, 5592.0, 5669.0, 5716.0, 5447.0, 5391.0, 5418.0, 5388.0, 5649.0, 5622.0, 5521.0, 5398.0, 5281.0, 5516.0, 5431.0, 5615.0, 5471.0, 5678.0, 5362.0, 5608.0, 5456.0, 5373.0, 5262.0, 5306.0, 5587.0, 5347.0, 5323.0, 5688.0, 5680.0, 5501.0, 5421.0, 5658.0, 5309.0, 5252.0, 5666.0, 5546.0, 5696.0, 5705.0, 5298.0, 5426.0, 5570.0, 5515.0, 5340.0, 5480.0, 5364.0, 5357.0, 5261.0, 5338.0, 5401.0, 5645.0, 5567.0, 5265.0, 5360.0, 5251.0, 5420.0, 5582.0, 5605.0, 5543.0, 5502.0, 5483.0, 5407.0, 5479.0, 5296.0, 5438.0, 5548.0, 5709.0, 5630.0, 5650.0, 5435.0, 5519.0, 5722.0, 5700.0, 5674.0, 5464.0, 5458.0, 5687.0, 5512.0, 5569.0, 5452.0, 5708.0, 5639.0, 5625.0, 5371.0, 5499.0, 5473.0, 5657.0, 5703.0, 5367.0, 5619.0, 5445.0, 5717.0 (number of hits: 6)
19	5510	9	1	333	1	5304.0, 5350.0, 5684.0, 5460.0, 5540.0, 5437.0, 5562.0, 5708.0, 5669.0, 5396.0, 5267.0, 5388.0, 5352.0, 5295.0, 5331.0, 5431.0, 5658.0, 5254.0, 5262.0, 5342.0, 5546.0, 5418.0, 5559.0, 5534.0, 5626.0, 5519.0, 5650.0, 5681.0, 5368.0, 5494.0, 5515.0, 5616.0, 5537.0, 5457.0, 5283.0, 5362.0, 5489.0, 5595.0, 5634.0, 5306.0, 5293.0, 5568.0, 5265.0, 5390.0, 5578.0, 5552.0, 5613.0, 5429.0, 5611.0, 5477.0, 5649.0, 5447.0, 5314.0, 5503.0, 5335.0, 5270.0, 5252.0, 5473.0, 5334.0, 5607.0, 5397.0, 5449.0, 5566.0, 5343.0, 5271.0, 5290.0, 5600.0, 5284.0, 5312.0, 5439.0, 5469.0, 5648.0, 5375.0, 5591.0, 5428.0, 5268.0, 5508.0, 5309.0, 5367.0, 5652.0, 5382.0, 5324.0, 5464.0, 5413.0, 5629.0, 5377.0, 5674.0, 5459.0, 5509.0, 5395.0, 5376.0, 5701.0, 5462.0, 5572.0, 5253.0, 5484.0, 5604.0, 5565.0, 5257.0, 5441.0 (number of hits: 5)
20	5510	9	1	333	1	5463.0, 5401.0, 5353.0, 5658.0, 5292.0, 5311.0, 5536.0, 5313.0, 5589.0, 5668.0, 5686.0, 5711.0, 5639.0, 5314.0, 5571.0, 5651.0, 5454.0, 5384.0, 5721.0, 5349.0, 5412.0, 5601.0, 5596.0, 5310.0, 5331.0, 5638.0, 5650.0, 5450.0, 5342.0, 5448.0, 5364.0, 5284.0, 5449.0, 5495.0, 5490.0, 5620.0, 5570.0, 5617.0, 5251.0, 5703.0,

						5535.0, 5713.0, 5410.0, 5286.0, 5531.0, 5281.0, 5522.0, 5515.0, 5317.0, 5391.0, 5724.0, 5387.0, 5479.0, 5423.0, 5588.0, 5446.0, 5577.0, 5614.0, 5524.0, 5468.0, 5561.0, 5438.0, 5262.0, 5505.0, 5552.0, 5426.0, 5512.0, 5268.0, 5484.0, 5553.0, 5416.0, 5554.0, 5555.0, 5385.0, 5716.0, 5656.0, 5551.0, 5350.0, 5404.0, 5607.0, 5581.0, 5709.0, 5345.0, 5394.0, 5263.0, 5579.0, 5302.0, 5644.0, 5443.0, 5343.0, 5672.0, 5470.0, 5377.0, 5710.0, 5546.0, 5694.0, 5445.0, 5326.0, 5521.0, 5480.0 (number of hits: 3)
21	5510	9	1	333	1	5358.0, 5689.0, 5428.0, 5498.0, 5503.0, 5709.0, 5430.0, 5314.0, 5636.0, 5588.0, 5713.0, 5541.0, 5653.0, 5360.0, 5638.0, 5532.0, 5694.0, 5582.0, 5317.0, 5696.0, 5325.0, 5676.0, 5427.0, 5292.0, 5398.0, 5456.0, 5434.0, 5661.0, 5445.0, 5299.0, 5413.0, 5591.0, 5457.0, 5460.0, 5509.0, 5361.0, 5602.0, 5268.0, 5610.0, 5628.0, 5553.0, 5407.0, 5550.0, 5514.0, 5548.0, 5393.0, 5267.0, 5705.0, 5278.0, 5305.0, 5683.0, 5648.0, 5594.0, 5306.0, 5378.0, 5433.0, 5555.0, 5586.0, 5608.0, 5589.0, 5578.0, 5616.0, 5411.0, 5680.0, 5260.0, 5576.0, 5585.0, 5294.0, 5269.0, 5570.0, 5349.0, 5376.0, 5265.0, 5339.0, 5538.0, 5264.0, 5693.0, 5619.0, 5583.0, 5310.0, 5706.0, 5282.0, 5691.0, 5557.0, 5340.0, 5436.0, 5559.0, 5488.0, 5384.0, 5362.0, 5620.0, 5562.0, 5668.0, 5544.0, 5315.0, 5695.0, 5365.0, 5346.0, 5497.0, 5312.0 (number of hits: 3)
22	5510	9	1	333	1	5484.0, 5524.0, 5687.0, 5627.0, 5509.0, 5721.0, 5491.0, 5258.0, 5620.0, 5328.0, 5478.0, 5528.0, 5617.0, 5339.0, 5396.0, 5485.0, 5318.0, 5315.0, 5353.0, 5373.0, 5615.0, 5471.0, 5268.0, 5539.0, 5718.0, 5596.0, 5545.0, 5271.0, 5454.0, 5723.0, 5511.0, 5705.0, 5274.0, 5544.0, 5449.0, 5408.0, 5638.0, 5263.0, 5302.0, 5451.0, 5341.0, 5257.0, 5453.0, 5410.0, 5570.0, 5413.0, 5590.0, 5344.0, 5542.0, 5369.0, 5578.0, 5532.0, 5338.0, 5393.0, 5326.0, 5558.0, 5403.0, 5640.0, 5441.0, 5667.0, 5387.0, 5713.0, 5322.0, 5278.0, 5404.0, 5467.0, 5548.0, 5426.0, 5643.0, 5560.0, 5671.0, 5520.0, 5618.0, 5706.0, 5604.0, 5355.0, 5550.0, 5681.0, 5673.0, 5697.0, 5540.0, 5605.0, 5580.0, 5397.0, 5464.0, 5255.0, 5568.0, 5594.0, 5423.0, 5455.0, 5622.0, 5601.0, 5392.0, 5708.0, 5499.0, 5585.0, 5301.0, 5424.0, 5266.0, 5692.0 (number of hits: 2)
23	5510	9	1	333	1	5571.0, 5602.0, 5255.0, 5447.0, 5419.0, 5324.0, 5351.0, 5713.0, 5337.0, 5613.0, 5417.0, 5507.0, 5718.0, 5521.0, 5618.0, 5335.0, 5498.0, 5506.0, 5563.0, 5721.0,

						5712.0, 5276.0, 5699.0, 5520.0, 5509.0, 5605.0, 5448.0, 5625.0, 5386.0, 5355.0, 5523.0, 5272.0, 5270.0, 5645.0, 5640.0, 5446.0, 5648.0, 5630.0, 5627.0, 5510.0, 5594.0, 5288.0, 5456.0, 5349.0, 5407.0, 5268.0, 5489.0, 5492.0, 5464.0, 5660.0, 5657.0, 5421.0, 5256.0, 5566.0, 5370.0, 5279.0, 5577.0, 5692.0, 5398.0, 5409.0, 5716.0, 5484.0, 5403.0, 5603.0, 5343.0, 5318.0, 5314.0, 5688.0, 5292.0, 5479.0, 5429.0, 5555.0, 5424.0, 5667.0, 5508.0, 5466.0, 5570.0, 5400.0, 5327.0, 5284.0, 5595.0, 5317.0, 5619.0, 5435.0, 5295.0, 5278.0, 5588.0, 5451.0, 5457.0, 5344.0, 5452.0, 5616.0, 5708.0, 5412.0, 5545.0, 5374.0, 5254.0, 5267.0, 5558.0, 5582.0 (number of hits: 5)
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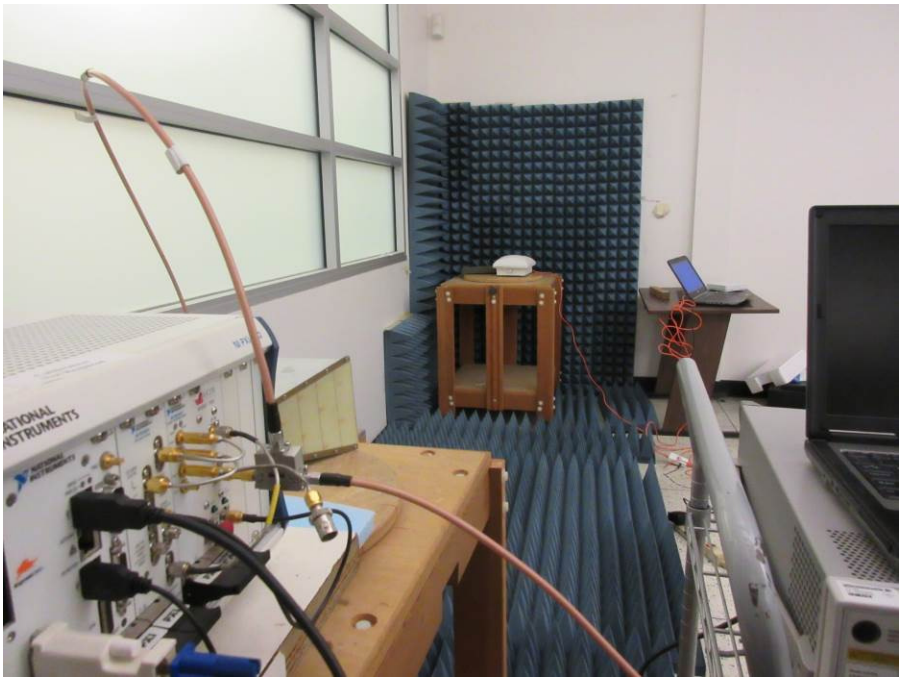
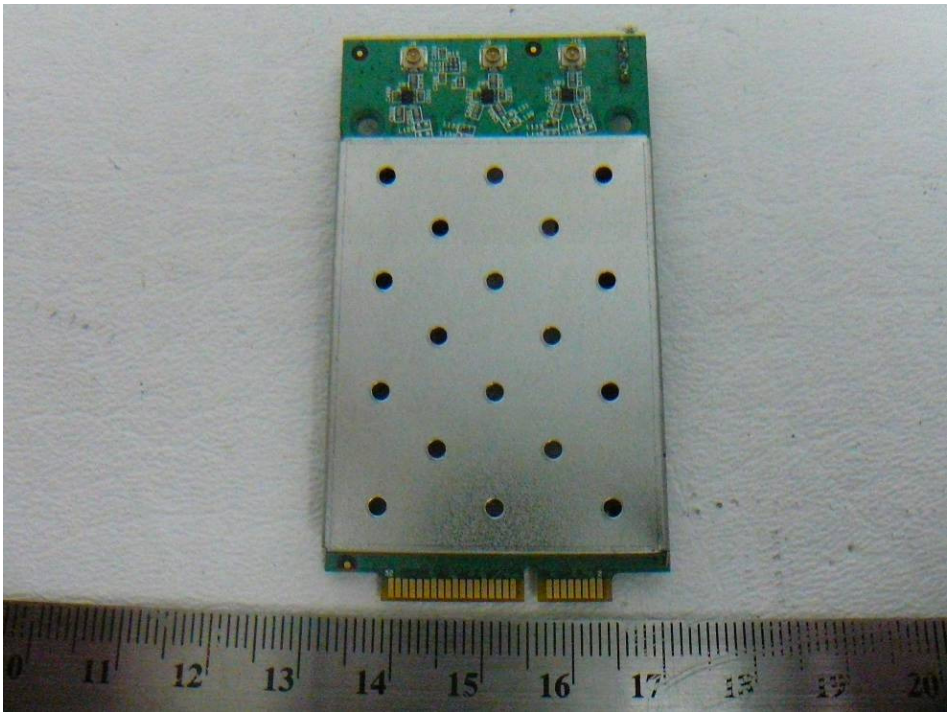
7 Exhibit A – Test Setup Photographs

7.1 DFS Test Setup View

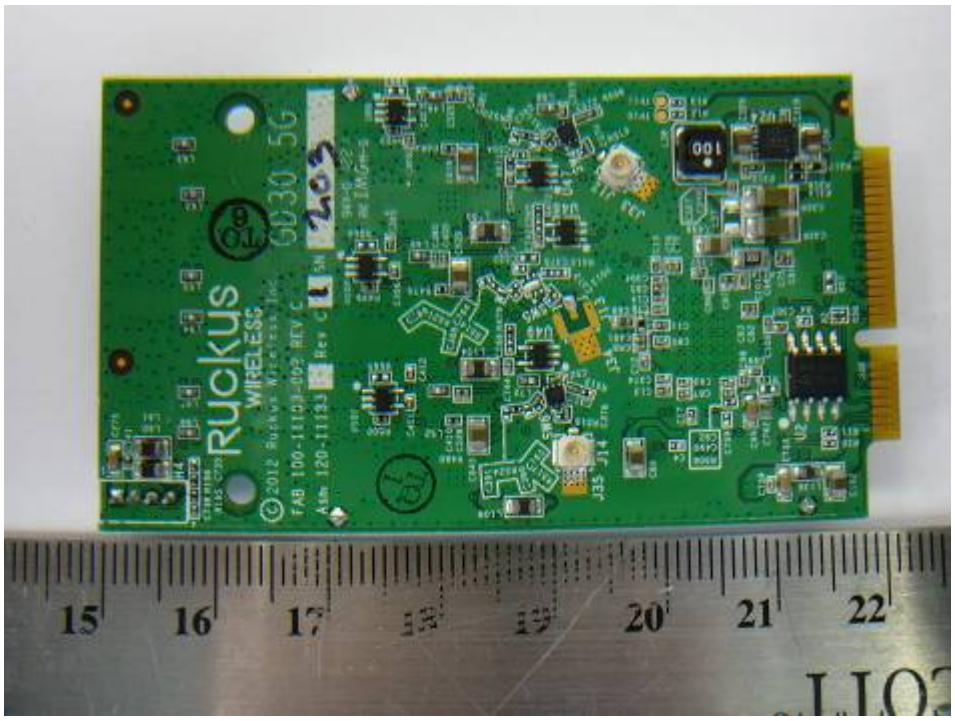


8 Exhibit B – EUT Photographs

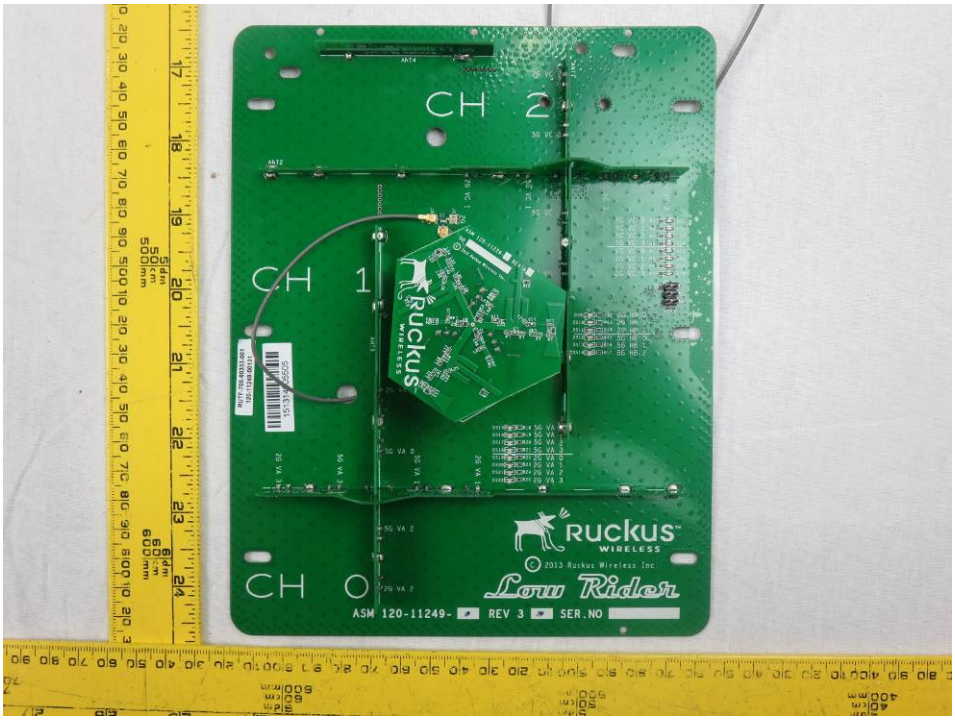
8.1 EUT – Top View Top View



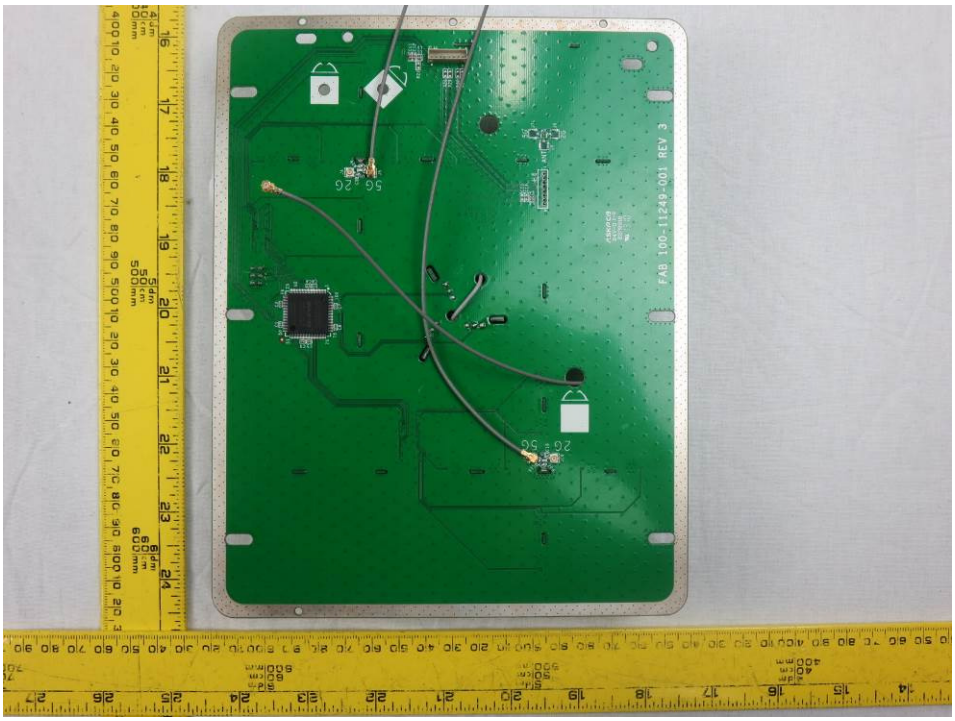
8.2 EUT - Bottom View



8.3 Antenna – 3 dBi Antenna Top View

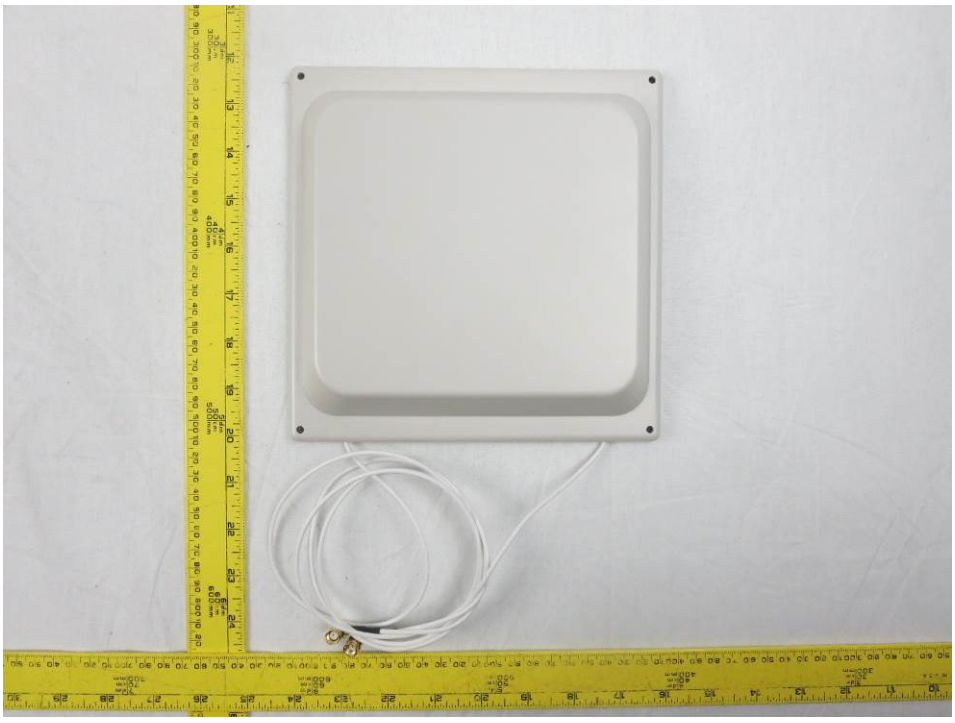


8.4 Antenna – 3 dBi Antenna Bottom View

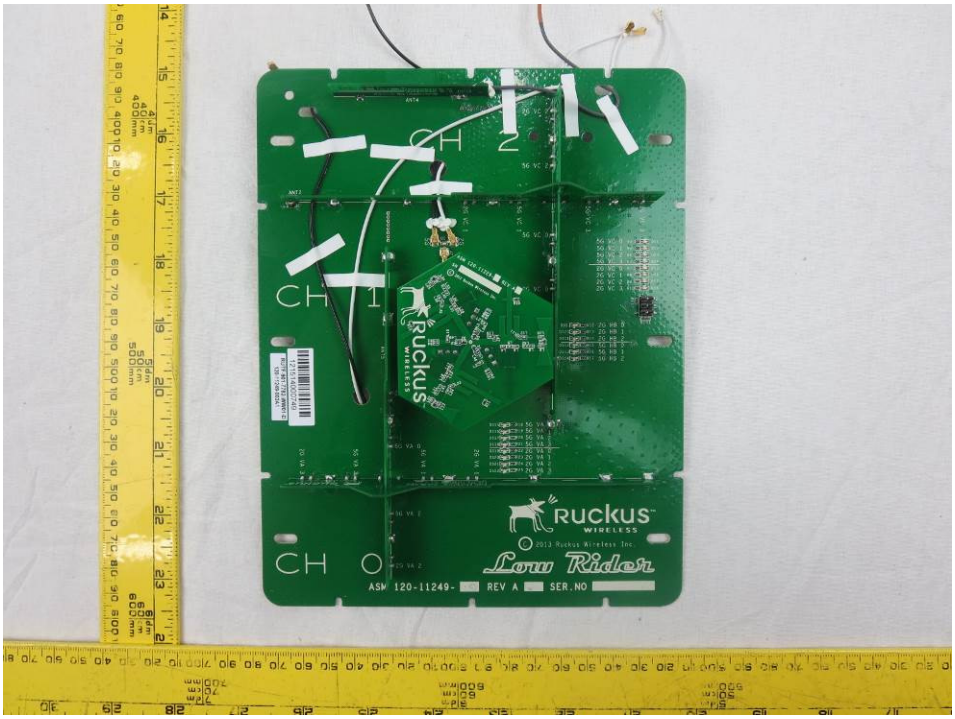


8.5 Antenna – 5 dBi Antenna Top View

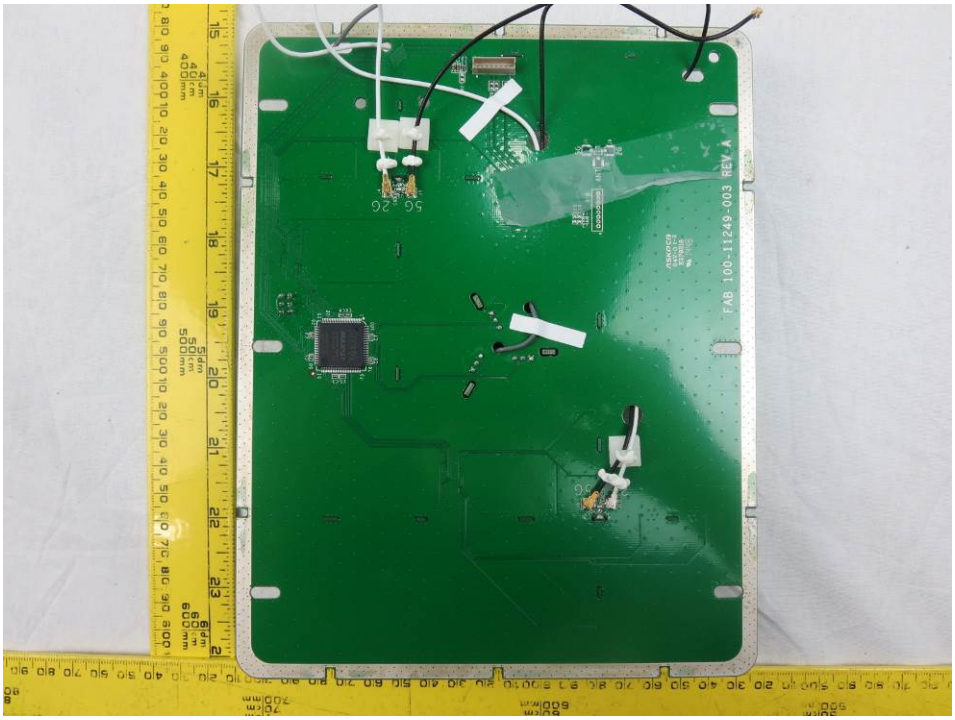
8.6 Antenna – 5 dBi Antenna Bottom View



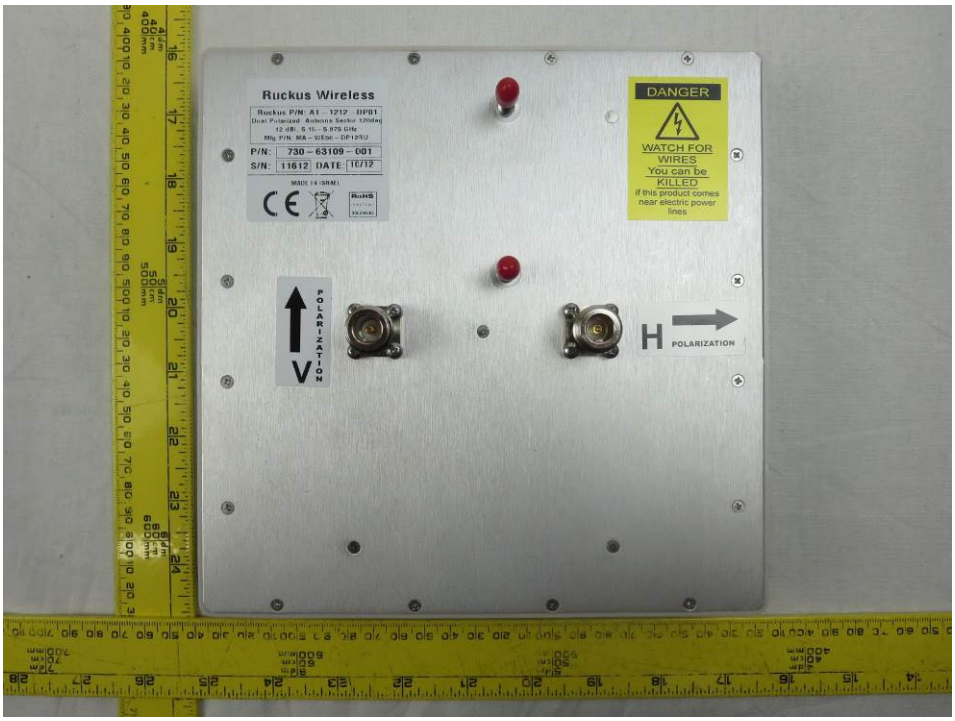
8.7 Antenna – 8 dBi Antenna Top View



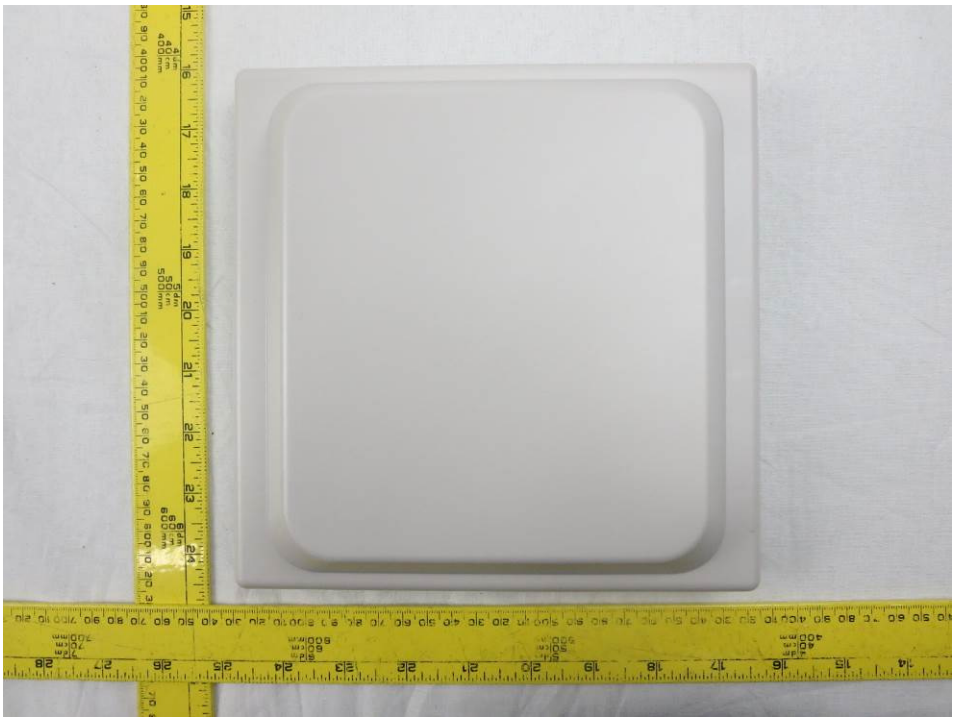
8.8 Antenna – 8 dBi Antenna Bottom View



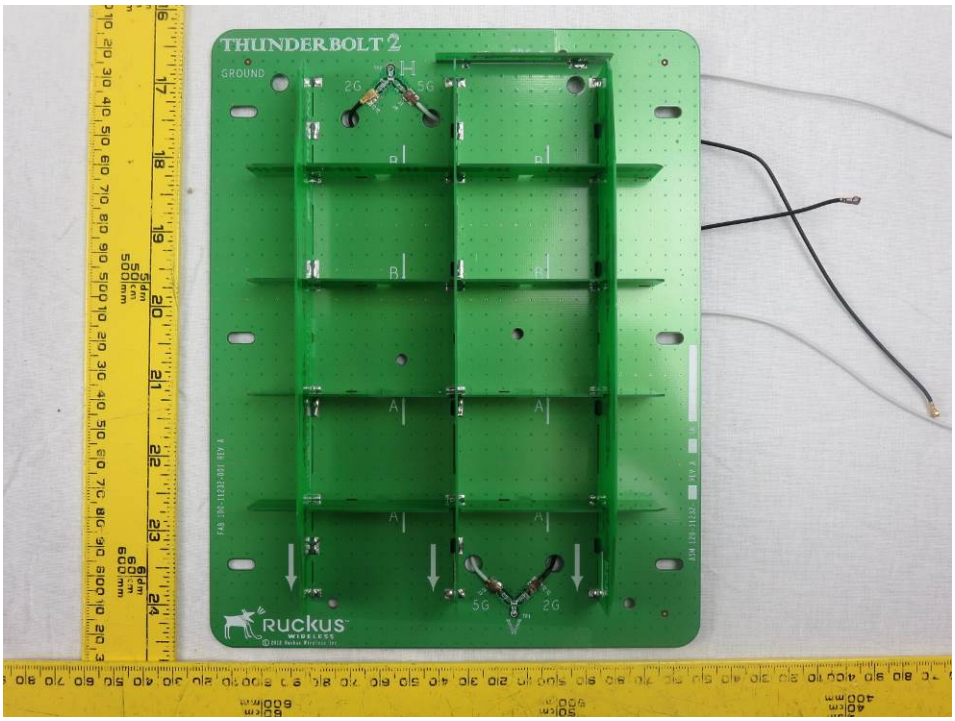
8.9 Antenna – 12 dBi Antenna Top View



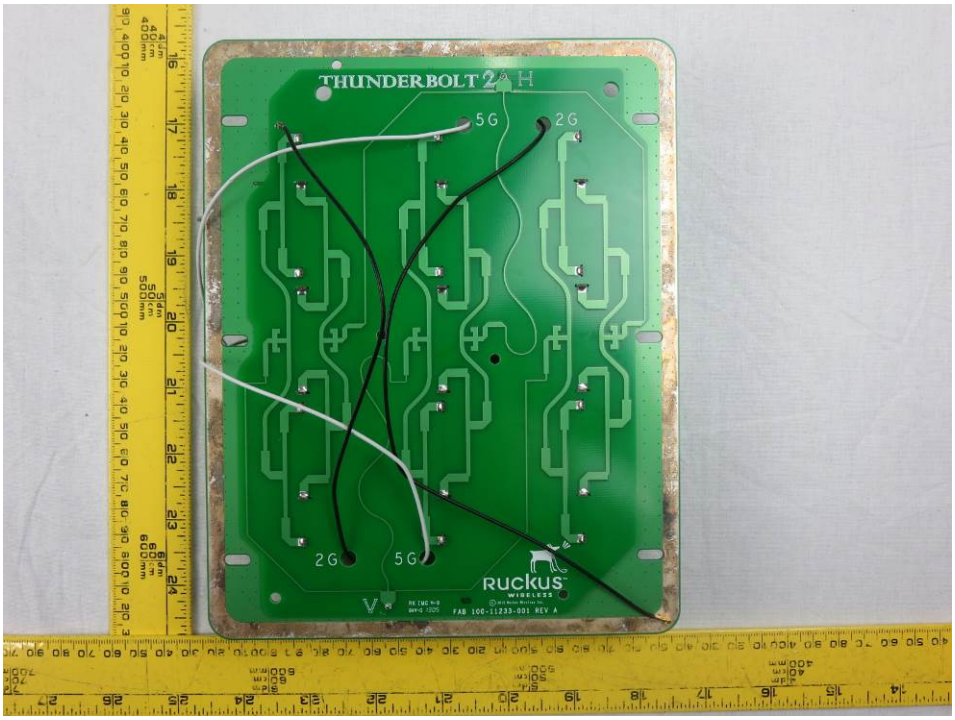
8.10 Antenna – 12 dBi Antenna Bottom View



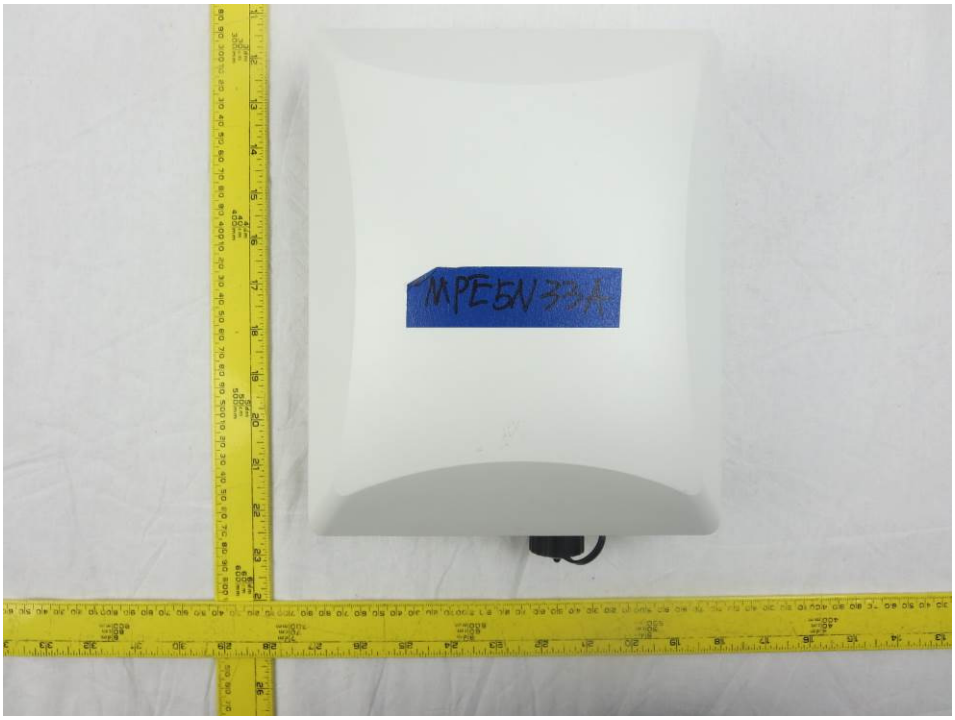
8.11 Antenna – 15 dBi Antenna Top View



8.12 Antenna – 15 dBi Antenna Bottom View



8.13 Host – Top View



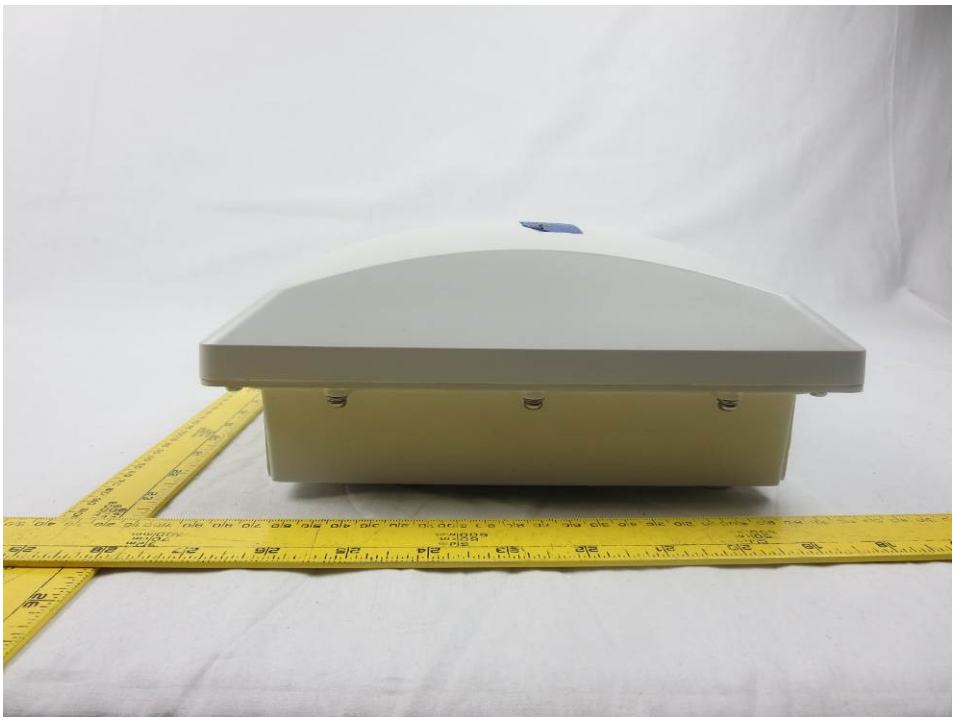
8.14 Host – Bottom View

8.15 Host – Front View

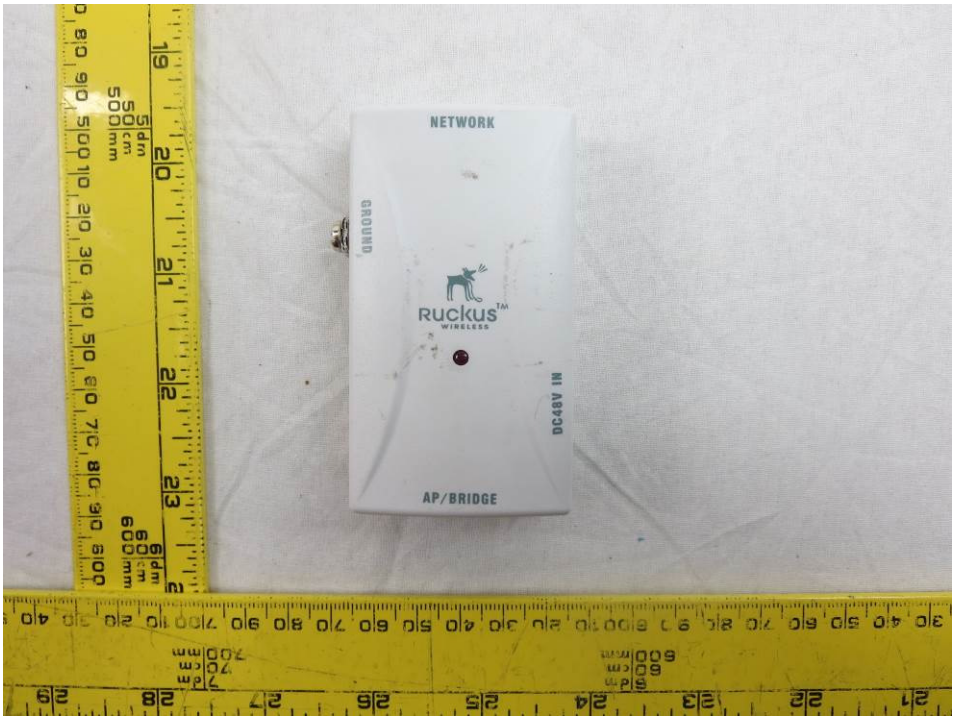
8.16 Host – Rear View

8.17 Host – Right Side View

8.18 Host – Left Side View



8.19 Host Power Supply Connector



8.20 Host Power Supply

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