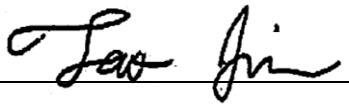
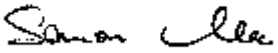
FCC PART 15.407
ISED RSS-247, ISSUE 2
DYNAMIC FREQUENCY SELECTION
TEST REPORT

For

Cisco Systems Inc.

125 West Tasman Drive,
San Jose, CA 95134 USA

FCC ID: R5S1200V
IC: 10745A-1200V

Report Type: Original Report		**Product Type:** Ultra-Reliable Wireless Backhaul
Prepared By	Tao Jin Test Engineer	
Report Number	R2203211-407	
Report Date	2022-10-28	
Reviewed By	Simon Ma RF Supervisor	
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2203211-407	Original Report	2022-10-28

1 General Description

1.1 Product Description for Equipment under Test (UUT)

This test report was prepared on behalf of *Cisco Systems Inc*., and their product *FCC ID: R5S1200V, IC: 10745A-1200V*, model: FM1200V-HW as referred to as UUT in this report. The product is 2x2 Access Point, which supports 802.11 a/n20/ac20 and n40/ac40. The device supports point to point, point to multipoint, and client with radar detection modes.

1.2 Mechanical Description of UUT

Length (cm)	Width (cm)	Height (cm)	Weight (kg)	S/N
30	17.2	8	0.50	12002724512

1.3 Objective

This report is prepared on behalf of *Cisco Systems Inc.* in accordance with FCC CFR47 §15.407 (h), RSS-247 Issue 2 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

The objective is to determine compliance with FCC, and ISEDC 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, Client with Radar Detection, and Auto Mode.

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

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

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

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 Registrations

BACLs test facilities that are used to perform Radiated and Conducted Emissions tests are currently recognized by the Federal Communications Commission as Accredited with NIST Designation Number US1129.

BACL's test facilities that are used to perform Radiated and Conducted Emissions tests are currently registered with Industry Canada under Registration Numbers: 3062A-1, 3062A-2, and 3062A-3.

BACL is a Chinese Taipei Bureau of Standards Metrology and Inspection (BSMI) validated Conformity Assessment Body (CAB), under Annex B, Phase I Procedures of the APEC Mutual Recognition Arrangement (MRA). BACL's BSMI Lab Code Number is: SL2-IN-E-1002R

BACL's test facilities that are used to perform AC Line Conducted Emissions, Telecommunications Line Conducted Emissions, Radiated Emissions from 30 MHz to 1 GHz, and Radiated Emissions from 1 GHz to 6 GHz are currently recognized as Accredited in accordance with the Voluntary Control Council for Interference [VCCI] Article 15 procedures under Registration Number A-0027.

1.7 Test Facility Accreditations

Bay Area Compliance Laboratories Corp. (BACL) is:

A- ***An independent, 3rd-Party, Commercial Test Laboratory accredited to ISO/IEC 17025:2017 by A2LA (Test Laboratory Accreditation Certificate Number 3297.02),*** in the fields of: Electromagnetic Compatibility and Telecommunications. Unless noted by an Asterisk (*) in the Compliance Matrix (See Section 3 of this Test Report), BACL's ISO/IEC 17025:2017 Scope of Accreditation includes all of the Test Method Standards and/or the Product Family Standards detailed in this Test Report..

BACL's ISO/IEC 17025:2017 Scope of Accreditation includes a comprehensive suite of EMC Emissions, EMC Immunity, Radio, RF Exposure, Safety and wireline Telecommunications test methods applicable to a wide range of product categories. These product categories include Central Office Telecommunications Equipment [including NEBS - Network Equipment Building Systems], Unlicensed and Licensed Wireless and RF devices, Information Technology Equipment (ITE); Telecommunications Terminal Equipment (TTE); Medical Electrical Equipment; Industrial, Scientific and Medical Test Equipment; Professional Audio and Video Equipment; Industrial and Scientific Instruments and Laboratory Apparatus; Cable Distribution Systems, and Energy Efficient Lighting.

B- ***A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3297.03)*** to certify

- For the USA (Federal Communications Commission):
  - 1- All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
  - 2- All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
  - 3- All Telephone Terminal Equipment within FCC Scope C.
- For the Canada (Industry Canada):
  - 1 All Scope 1-Licence-Exempt Radio Frequency Devices;
  - 2 All Scope 2-Licensed Personal Mobile Radio Services;
  - 3 All Scope 3-Licensed General Mobile & Fixed Radio Services;
  - 4 All Scope 4-Licensed Maritime & Aviation Radio Services;
  - 5 All Scope 5-Licensed Fixed Microwave Radio Services
  - 6 All Broadcasting Technical Standards (BETS) in the Category I Equipment Standards List.
- For Singapore (Info-Communications Development Authority (IDA)):
  - 1 All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2
  - 2. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2
- For the Hong Kong Special Administrative Region:
  - 1 All Radio Equipment, per KHCA 10XX-series Specifications;

2 All GMDSS Marine Radio Equipment, per HKCA 12XX-series Specifications;
3 All Fixed Network Equipment, per HKCA 20XX-series Specifications.

- For Japan:

1 MIC Telecommunication Business Law (Terminal Equipment):
- All Scope A1 - Terminal Equipment for the Purpose of Calls;
- All Scope A2 - Other Terminal Equipment

2 Radio Law (Radio Equipment):
- All Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
- All Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
- All Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

C- ***A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3297.01)*** to certify Products to USA's Environmental Protection Agency (EPA) ENERGY STAR Product Specifications for:

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

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

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

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

5 Other
- For Water Coolers (ver. 3.0)

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

- Australia: ACMA (Australian Communication and Media Authority) – APEC Tel MRA -Phase I;
- Canada: (Innovation, Science and Economic development Canada - ISEDC) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
  - BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;
  - NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
  - EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)
  - Radio Equipment (RE) Directive 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)

  - Low Voltage Directive (LVD) 2014/35/EU
- Hong Kong Special Administrative Region: (Office of the Telecommunications Authority – OFTA) APEC Tel MRA -Phase I & Phase II
- Israel – US-Israel MRA Phase I
- Republic of Korea (Ministry of Communications - Radio Research Laboratory) APEC Tel MRA -Phase I
- Singapore: (Infocomm Media Development Authority - IMDA) APEC Tel MRA -Phase I & Phase II;
- Japan: VCCI - Voluntary Control Council for Interference US-Japan Telecom Treaty VCCI Side Letter-
- USA:
  - ENERGY STAR Recognized Test Laboratory – US EPA
  - Telecommunications Certification Body (TCB) – US FCC;
  - Nationally Recognized Test Laboratory (NRTL) – US OSHA
- Vietnam: APEC Tel MRA -Phase I;

1.8 Measurement Uncertainties

All measurements involve uncertainties. In the case of unlicensed / licensed wireless/radio transmitters, receivers, and transceivers, the influence quantities (factors) that make a significant contribution to the measurement uncertainties are detailed in the latest version of ETSI TR 100-028 Parts 1 and 2 (i.e., ETSI TR 100-028-1 V1.4.1 (2001-12) "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1", and ETSI TR 100-028-2 V1.4.1 (2001-12) "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2",

Based on the uncertainty models given in the latest versions of ETSI TR 100 028-1 and ETSI TR 100 028-2, and, based on the calibration uncertainties of the specific instruments and facilities used at BACL to perform the measurements documented in this Test Report, the following estimates have been made of BACL's Measurement Uncertainties for the measurements documented in this Test Report.

Type of Measurement	**BACL Typical U_{LAB} Value** **(for a k=2 Coverage Factor, equivalent to ~ 95% level of confidence) [Note: Calculated Values]**	**BACL Typical U_{LAB} Value** **(for a k=2 Coverage Factor, equivalent to ~ 95% level of confidence) [Note: all U_{LAB} Calculated values have been rounded to the one significant figure to the right of the decimal]**
RF Output Power, conducted	± 0.863 dB	± 0.9 dB
Power Spectral Density, conducted	± 0.863 dB	± 0.9 dB
Unwanted Emissions, conducted	± 2.761 dB	±2.8 dB
All emissions, radiated	± 3.186 dB	± 3.2 dB
Temperature	± 0.68 °C	± 0.7 °C
Supply voltages	± 1.5%	± 1.5 %
Time	± 2.42%	± 2.4 %

2 UUT Test Configuration

2.1 Justification

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

2.2 UUT Exercise Software

The test used Web GUI, PuTTY and test commands, provided by *Cisco Systems Inc.*, the software is compliant with the standard requirements being tested against.

The UUT firmware version: 7.9.1

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E6410	3CKRAQ1
ASUS	Laptop	FX504G	J6NRCX037440249

2.5 Remote Support Equipment

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T490	PF-274C83
Cisco	Access Point	FM3200V-HW	3200070210
Cisco	Access Point	FM3200V-HW	3200070214

2.6 Interface Ports and Cables

Cable Description	Length	To	From
Ethernet cable	2 m	PoE	UUT
Ethernet cable	2 m	UUT	Laptop

3 Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h), RSS-247 Issue 2 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

BACL is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report. Information provided by the customer, e.g., antenna gain, can affect the validity of results.

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h), RSS-247 Issue 2 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

Table 3: Interference Threshold for Master and Client with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2 and 3)
EIRP≥ 200 milliwatt	-64 dBm
EIRP< 200 milliwatt and power spectral density < 10dBm/MHz	-62 dBm
EIRP< 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note3**: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4: DFS Response Requirement Values

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

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

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

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 5: Short Pulse Radar Test Waveforms

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

Table 6: Long Pulse Radar Test Signal

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

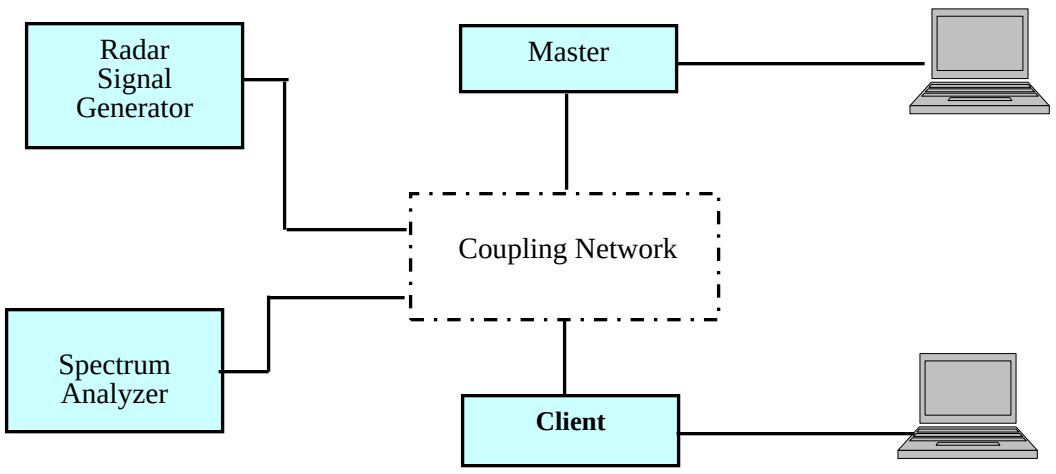
Table 7: Frequency Hopping Radar Test Signal

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

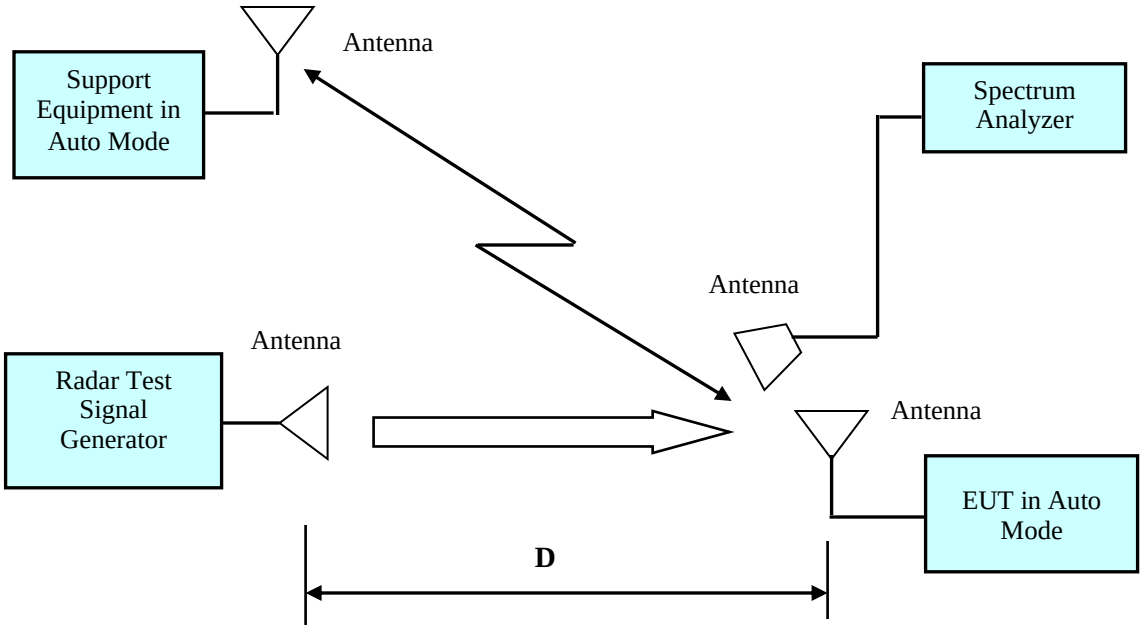
4.2 DFS Measurement System

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

4.3 System Block Diagram

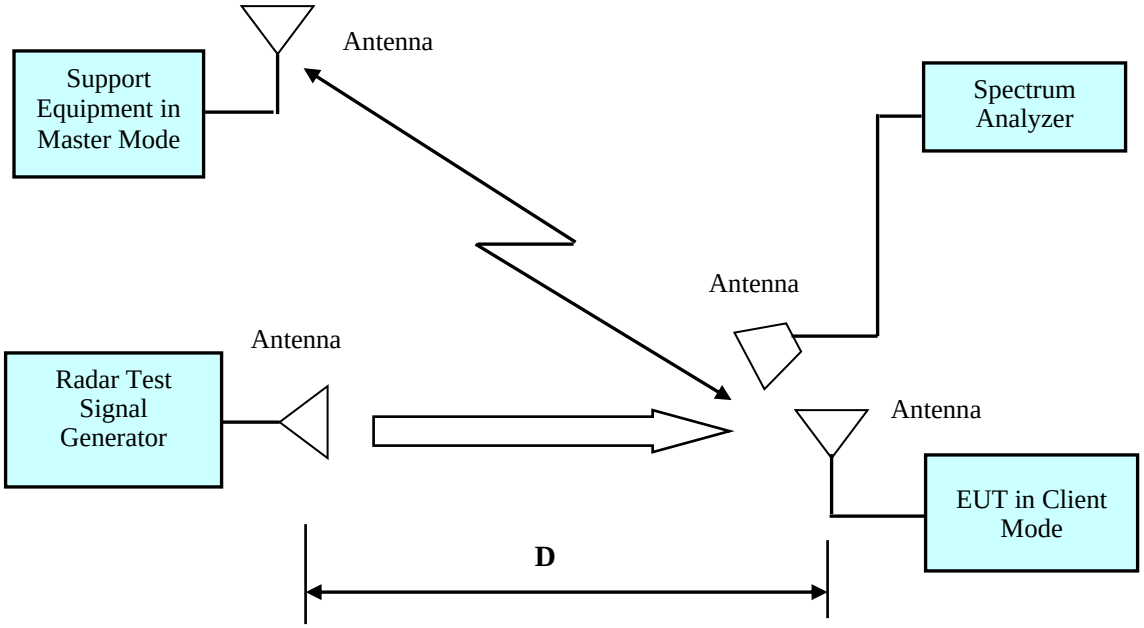


4.4 Radiated Method



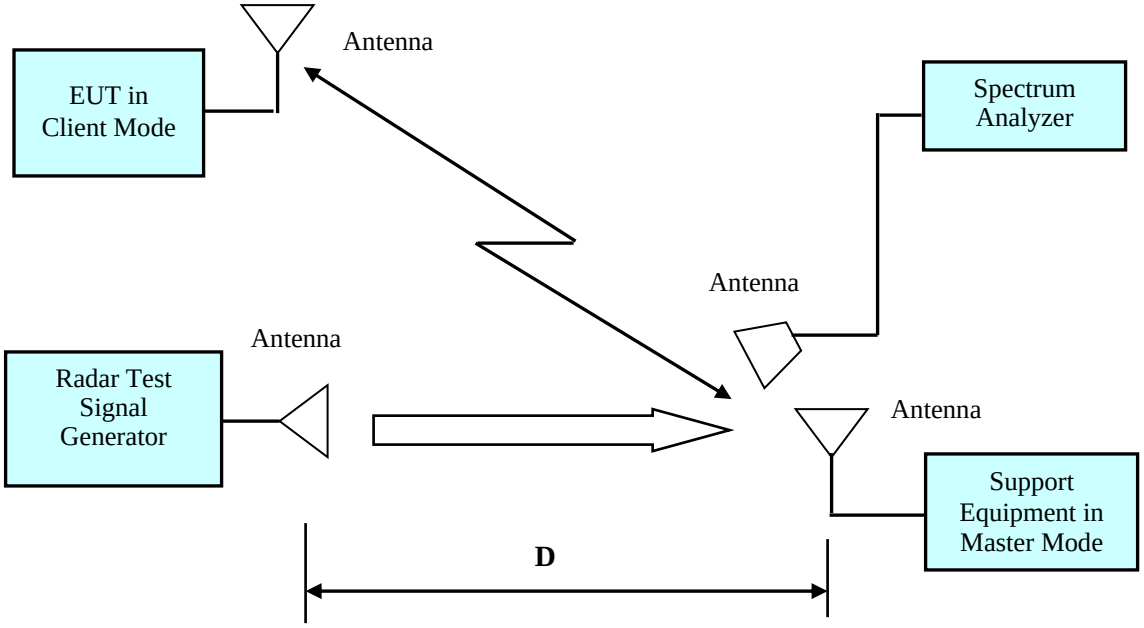
D=3m

Setup for Radiated Method for Auto Mode



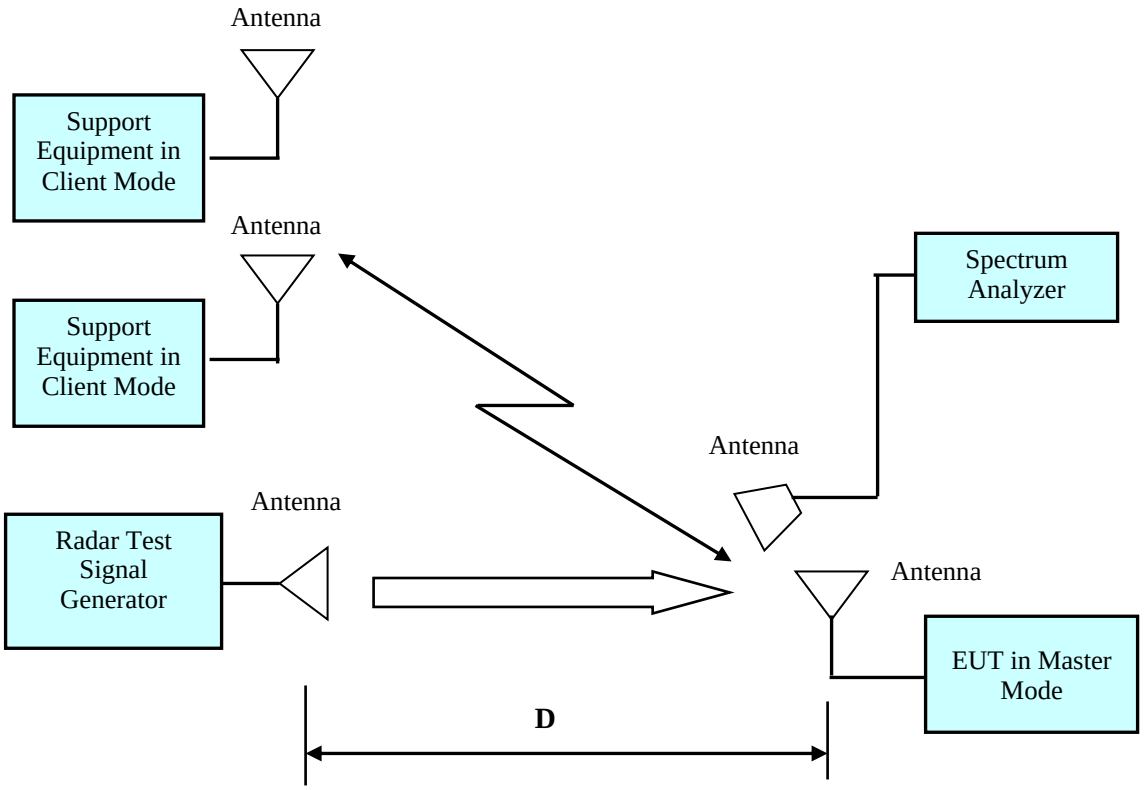
D=3m

Setup for Radiated Method for Client with Radar Detection Mode, client device is the RDD



D=3m

Setup for Radiated Method for Client with Radar Detection Mode, master device is the RDD



D=3m

Setup for Radiated Method for Master Mode

4.5 Test Procedure

A spectrum analyzer is used as a monitor that verifies the UUT'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 (UUT) does not transmit on the same channel during the Non-Occupied Period after the radar detection. It is also used to monitor UUT transmissions during the Channel Availability Check Time.

5 Test Results

5.1 Description of UUT

The UUT operates in 5150-5250 MHz, 5470-5725 MHz, and 5725-5850 MHz range in each one of three Operational Modes: Master Mode, Client with Radar Detection Mode, and Auto Mode.

In Master Mode, Client Mode and Auto Mode, UUT is configured to channel 104 for testing in 20 MHz bandwidth mode, and configured to channel 110 for testing in 40 MHz bandwidth mode.

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

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

WLAN traffic is generated by iperf3

5.2 Antenna Description

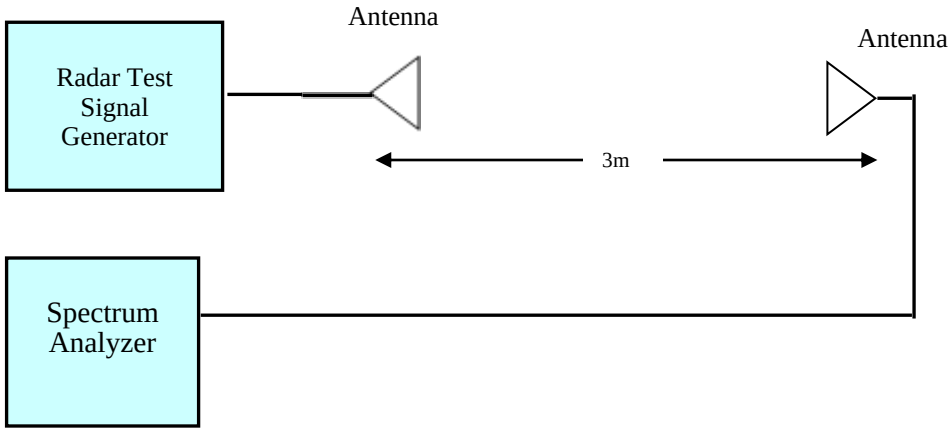
Antenna Type	Supplier	Antenna Part No.	Frequency (MHz)	Main / Aux	Peak Antenna Gain (dBi)
Integrated	N/A	N/A	5150-5250 5470-5725 5725-5850	Main / Aux	12

5.3 Test Equipment List and Details

BACL No.	Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
547	National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A	N/A
547	National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
547	National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
547	ASCOR	Upconverter	AS-7206	N/A	N/A	N/A
424	Agilent	Analyzer, Spectrum	E4440A	US45303156	2021-12-06	12 Months
473	EMCO	Horn Antenna	3115	9511-4627	2020-10-12	2 years
448	Eaton	Horn Antenna	96001	2617	N/A	N/A
-	-	RF Cable	-	-	Each Time	Each Time

Note[1]: cable and attenuator included in the test set-up will be checked each time before testing.
Statement of Traceability: BACL Corp. *attests that all of the calibrations on the equipment items listed above were traceable to NIST or to another internationally recognized National Metrology Institute (NMI), and were compliant with the latest version of A2LA policy P102 "A2LA Policy on Metrological Traceability".*

5.4 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.5 Test Environmental Conditions

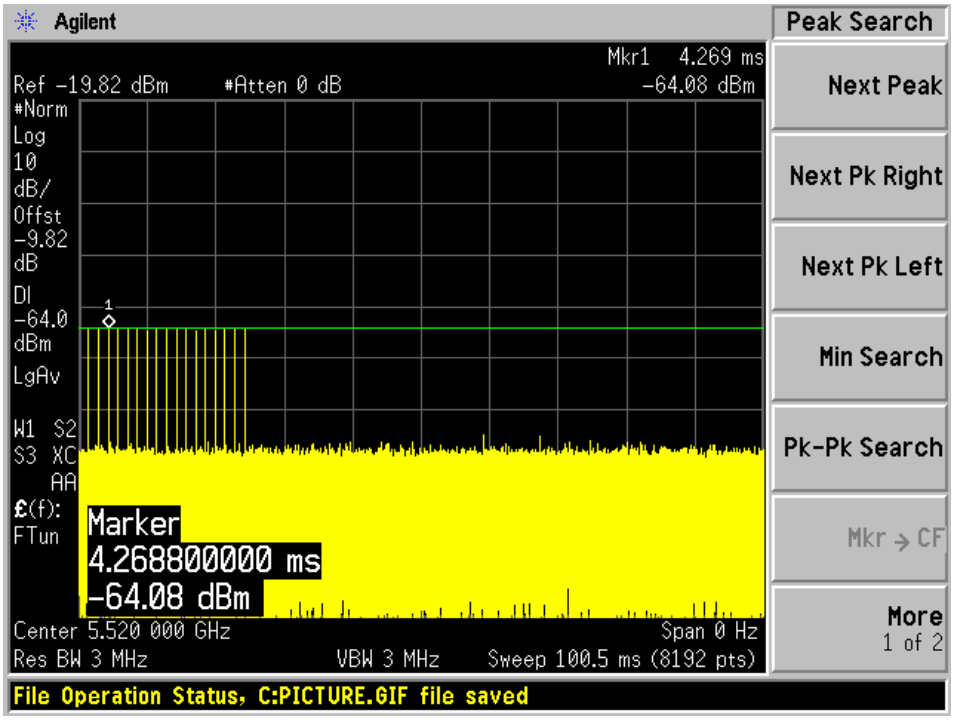
Temperature:	22-24° C
Relative Humidity:	43-49 %
ATM Pressure:	101.9 kPa

Testing was performed by Tao Jin on 2022-10-03 to 2022-10-07 at the DFS testing site.

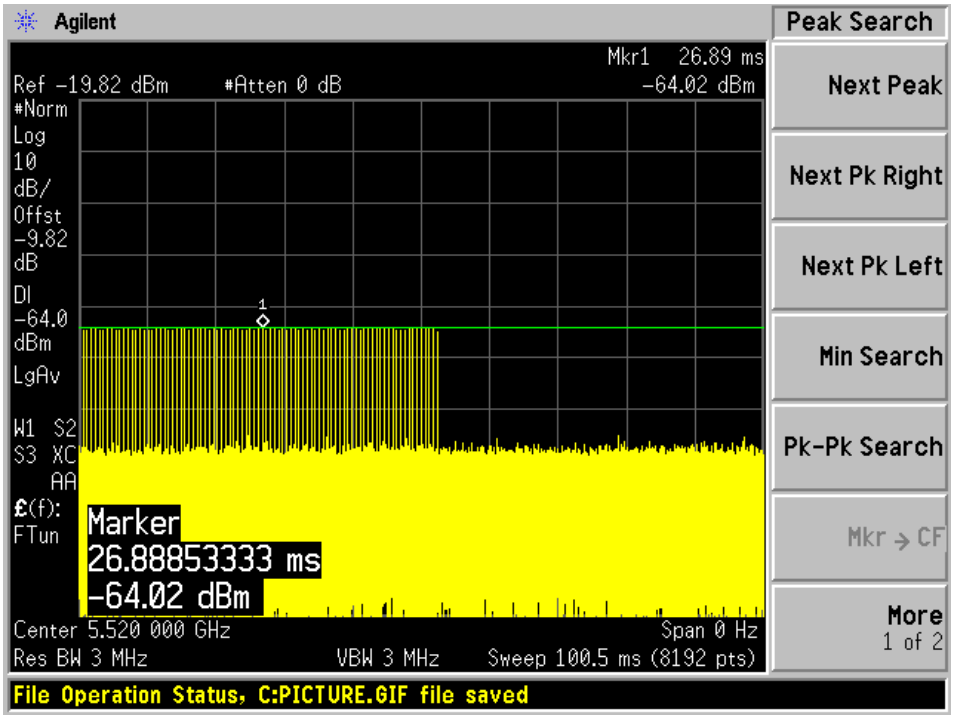
Plots of Radar Waveform

5500 MHz

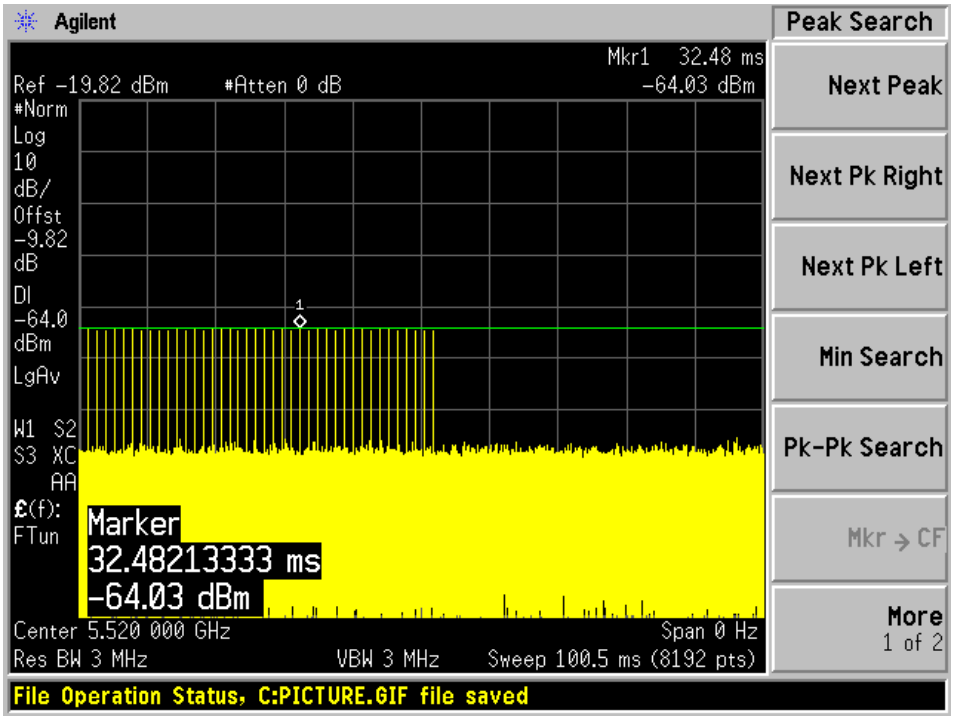
Radar Type 0



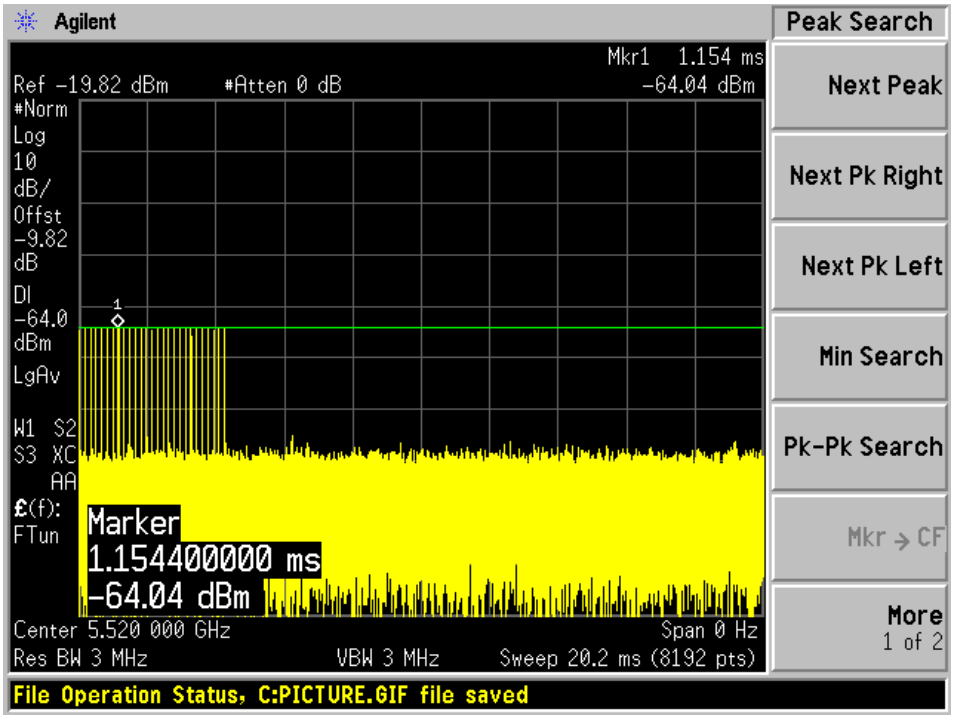
Radar Type 1A



Radar Type 1B



Radar Type 2



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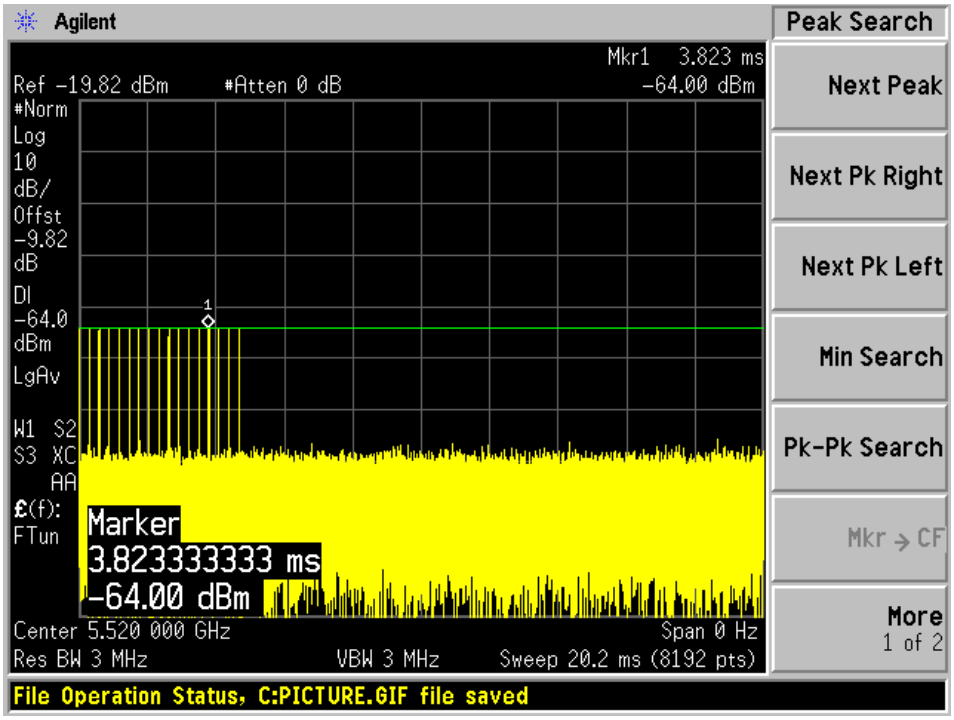

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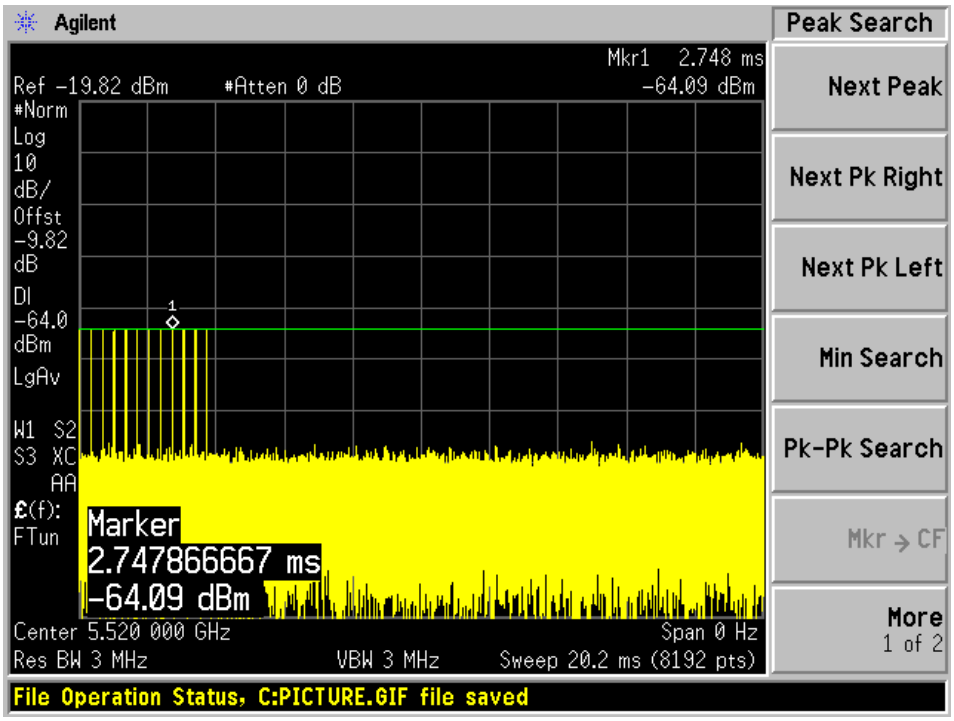
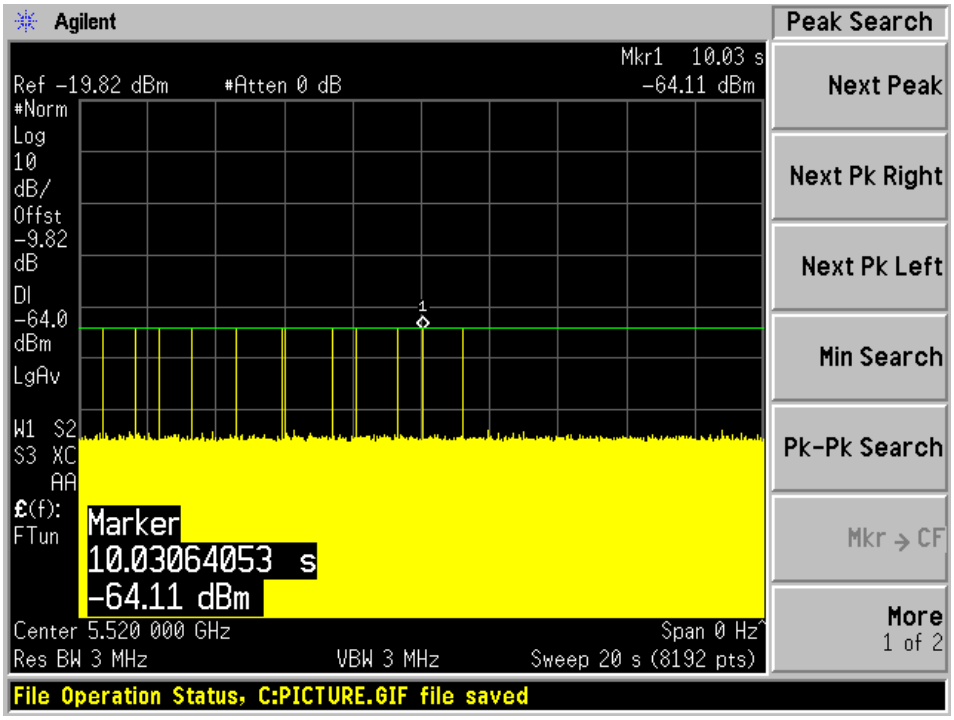
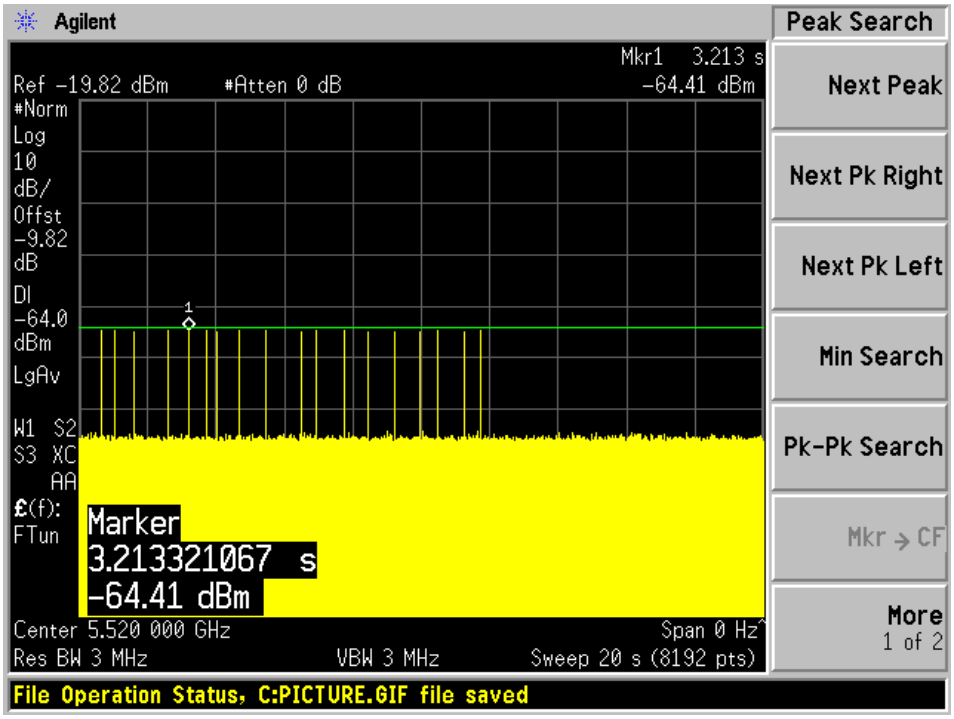


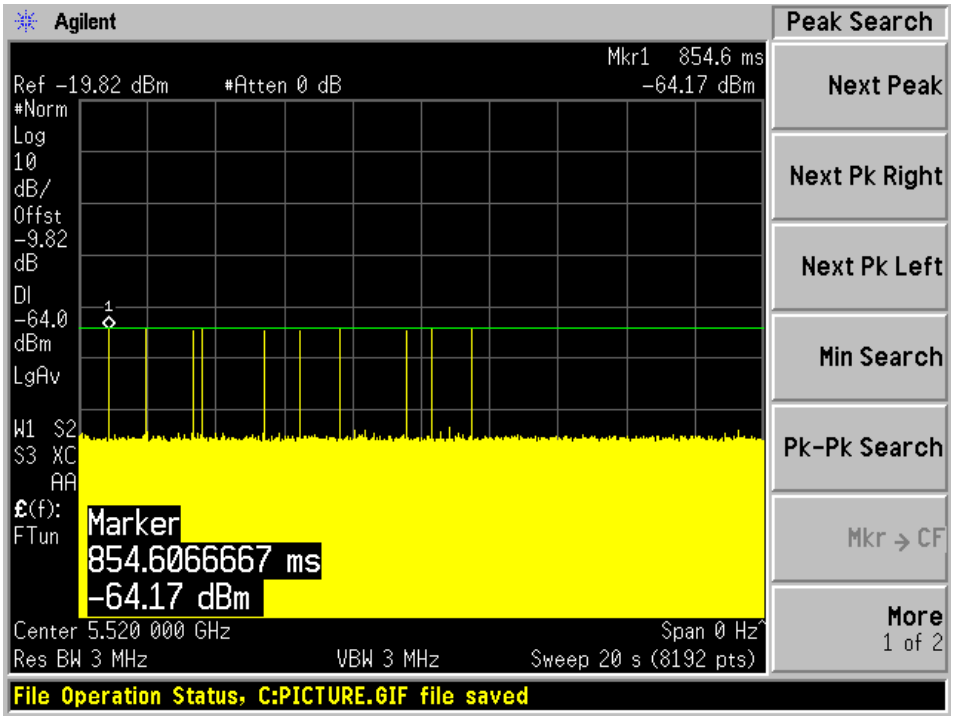
Radar Type 5 Case 1



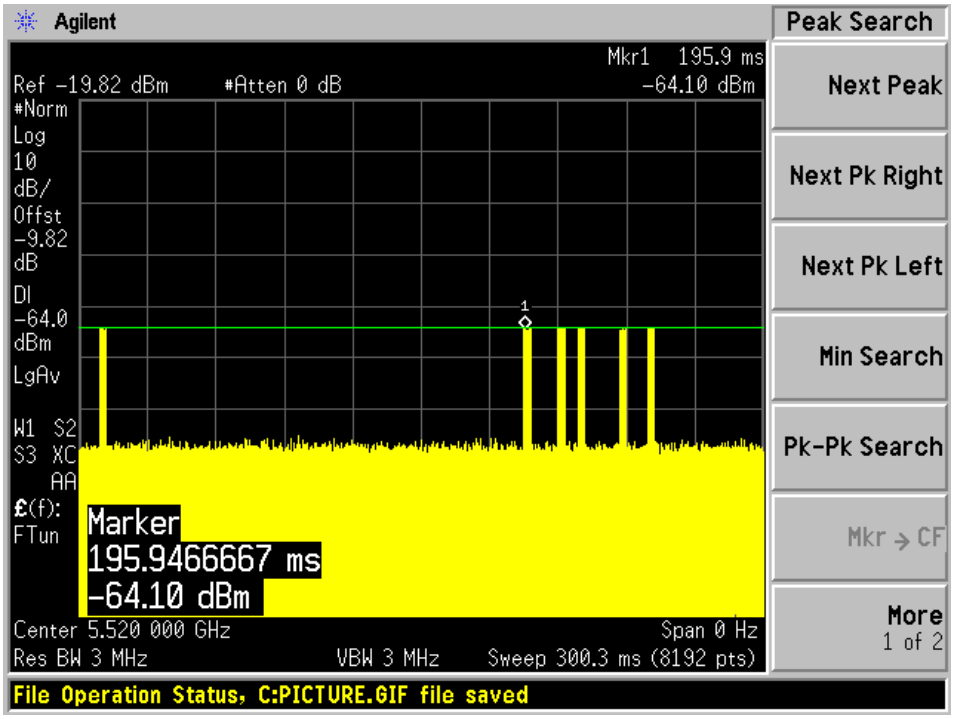
Radar Type 5 Case 2



Radar Type 5 Case 3



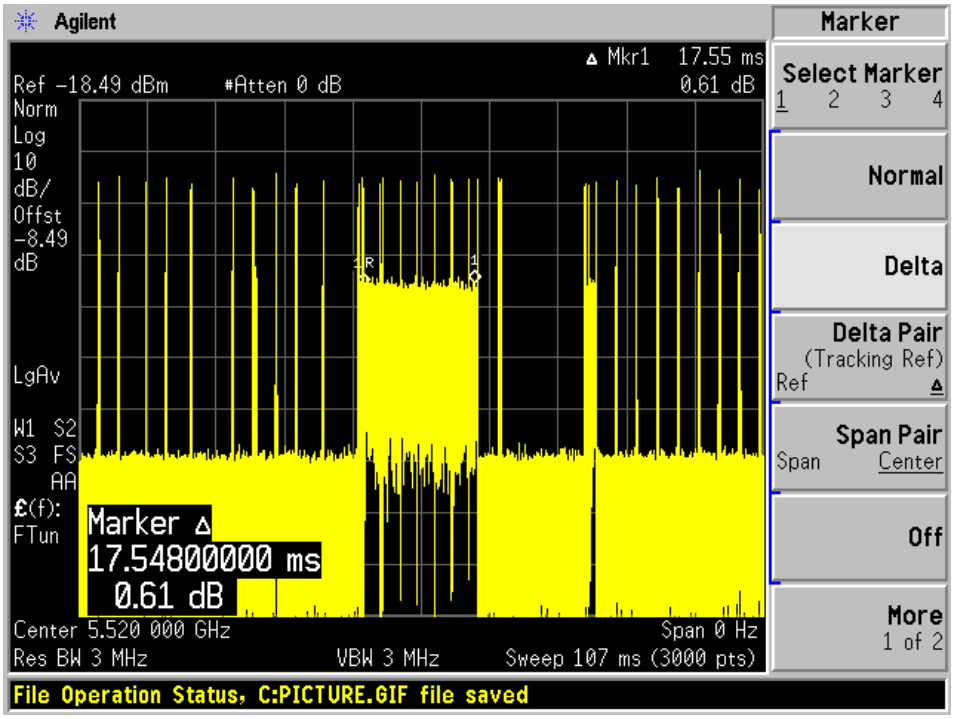
Radar Type 6



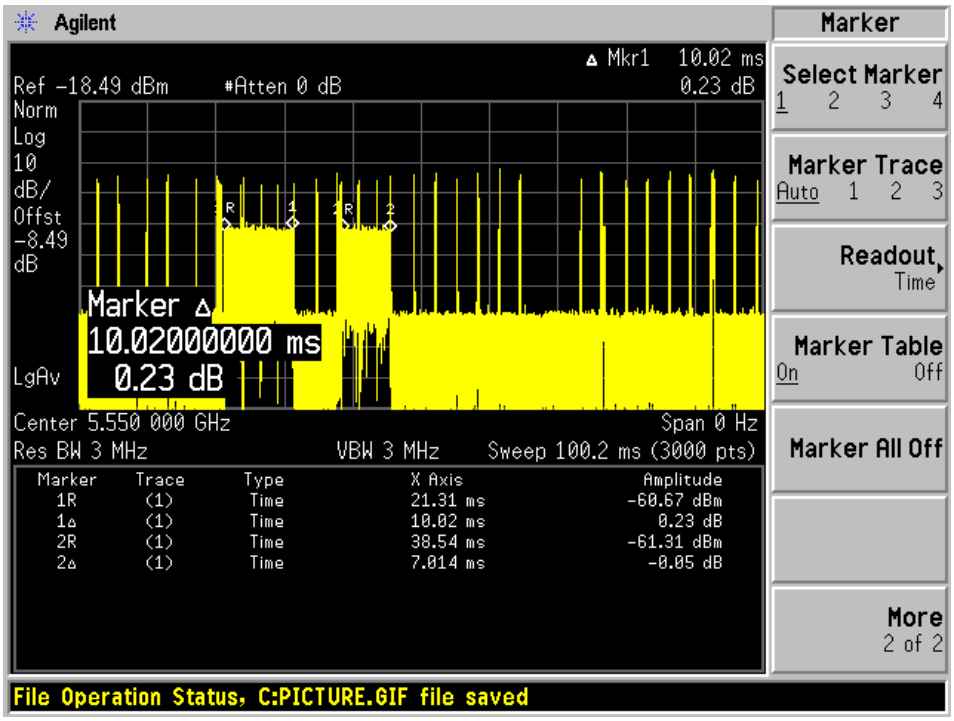
5.6 Radar Traffic Duty Cycle Example

Master Mode

20MHz bandwidth: 5520MHz



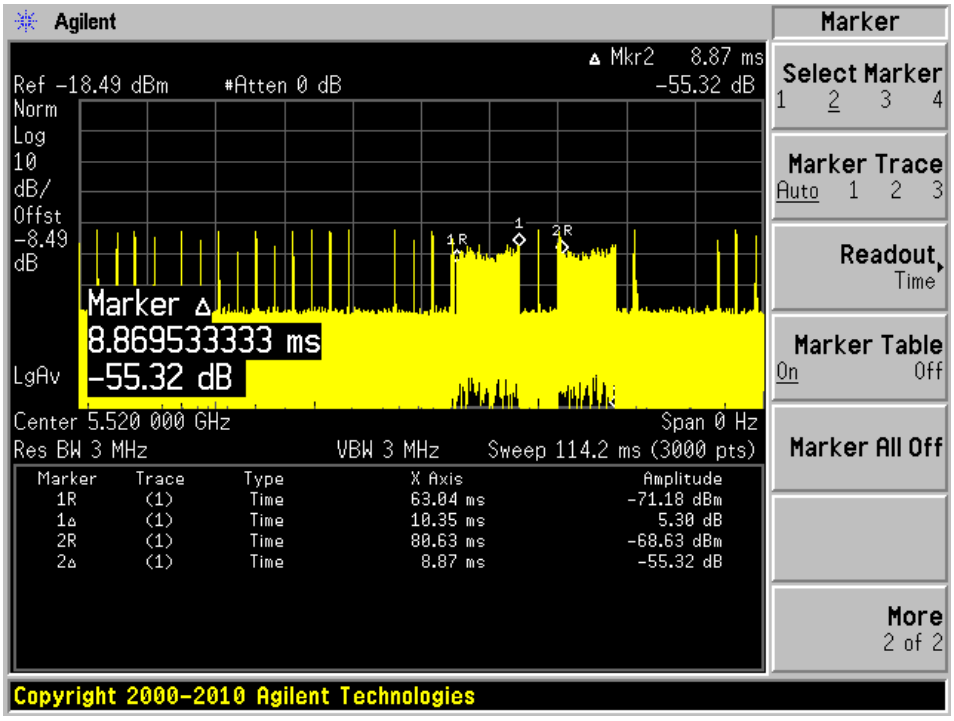
40MHz bandwidth: 5550MHz



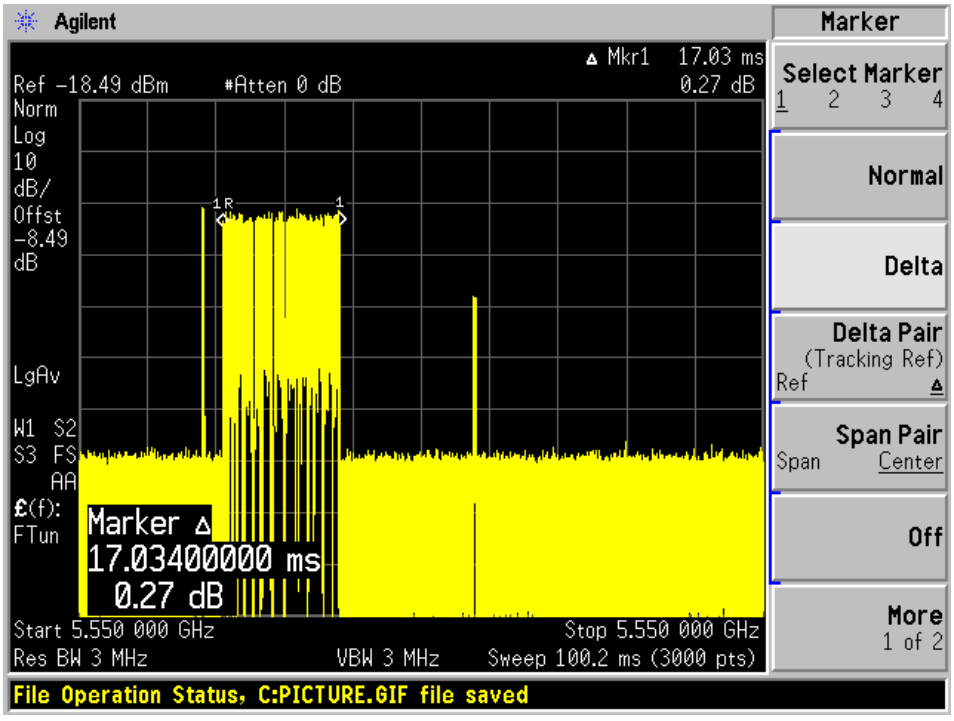
The Duty Cycle of the traffic is greater than 17%

Client Mode

20MHz bandwith: 5520MHz



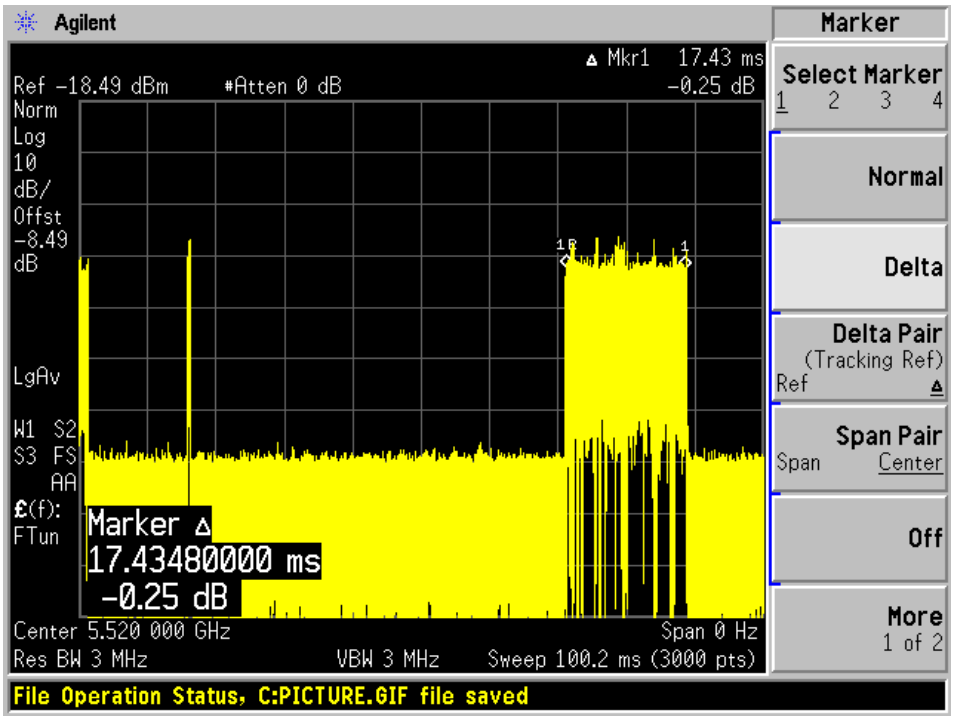
40MHz bandwith: 5550MHz



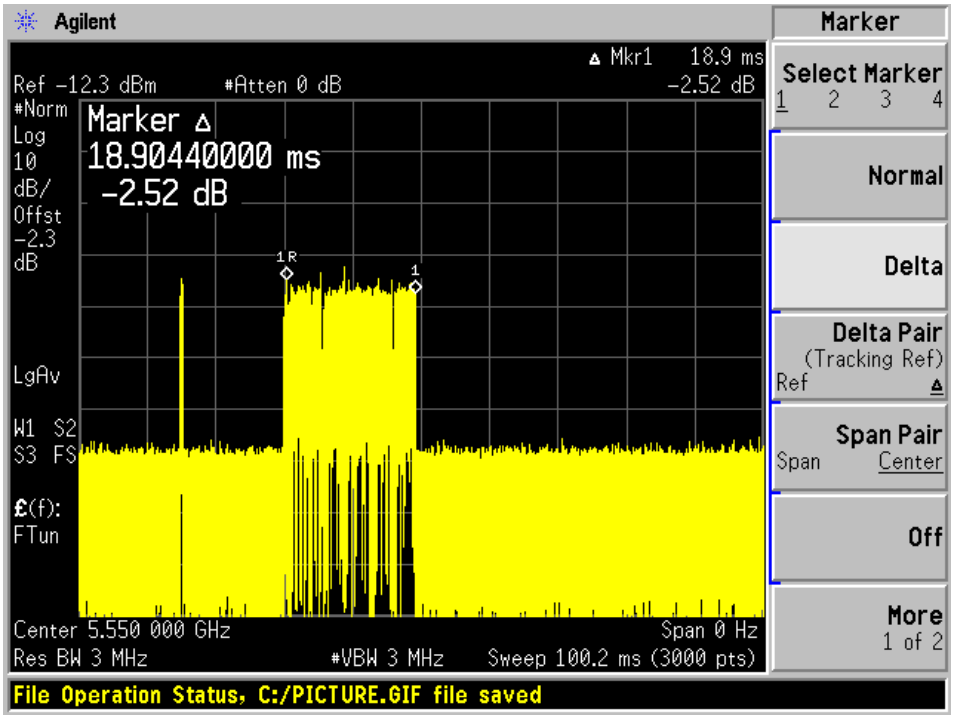
The Duty Cycle of the traffic is greater than 17%

Auto Mode

20MHz bandwith: 5520MHz



40MHz bandwith: 5550MHz



The Duty Cycle of the traffic is greater than 17%

6 Channel Availability Check Time (CAC)

6.1 Test Procedure

Master Mode procedure

1) On device Web GUI, set mode to Master mode and channel to channel 10 with 5520 MHz center frequency, then manually turning off and on the device power source to reboot the UUT, meanwhile, record the power cycle time together with CAC time. Use the total time minus 60 seconds to get the power cycle time.

2) Reboot the UUT again, apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer.

3) Reboot UUT, apply a radar signal within 54~60 seconds after the power cycle time ended, and monitor the transmission on channel from the spectrum analyzer.

Auto Mode procedure

1) On device Web GUI, setup UUT to Auto Mode and set channel to channel 104. Wait 1 minute for configuration, then manually turn off and on the power source, meanwhile, record the power cycle time together with CAC time. Record the total time and use the total time minus 60 seconds to get the power cycle time.

2) Reboot the UUT again, using the same way to config the UUT and apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer.

3) Reboot the UUT again, using the same way to config the UUT, apply a radar signal within 54~60 seconds after the power cycle time ended, and monitor the transmission on channel from the spectrum analyzer.

6.2 Results:

Master Mode

Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

Auto Mode

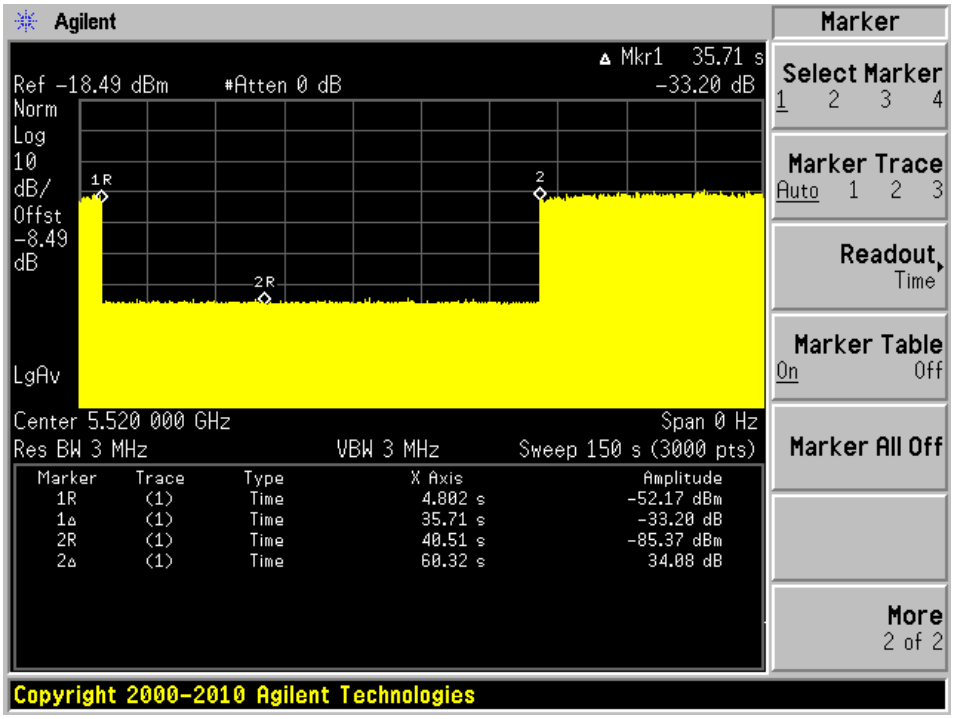
Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

Note: The CAC was tested with the Radar type 0.

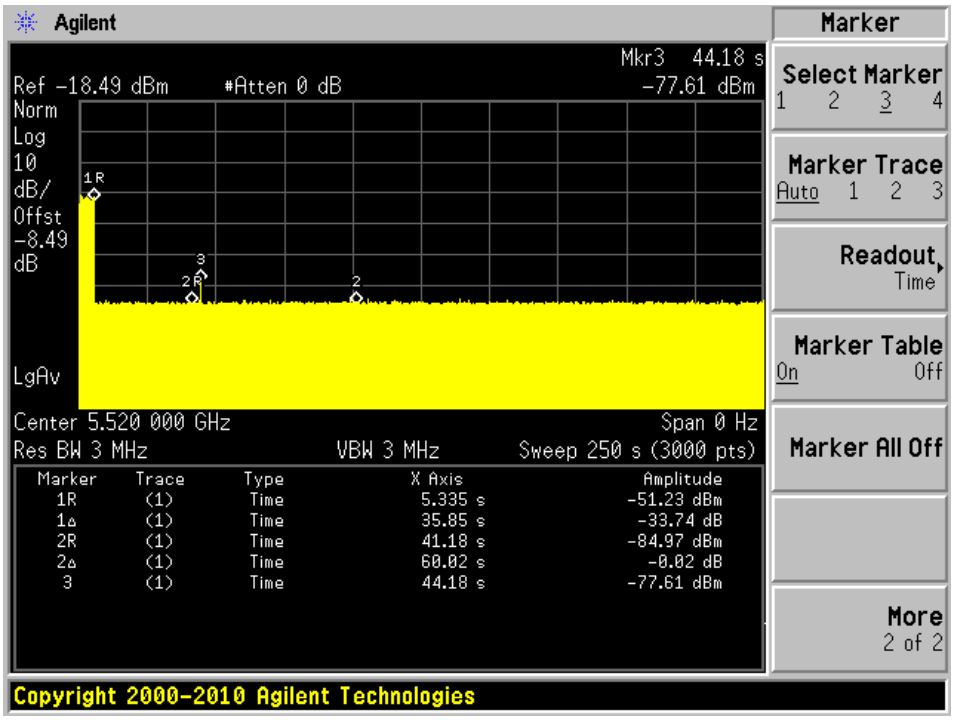
Master Mode

5520 MHz

Plot of Power Cycle + CAC Time Period

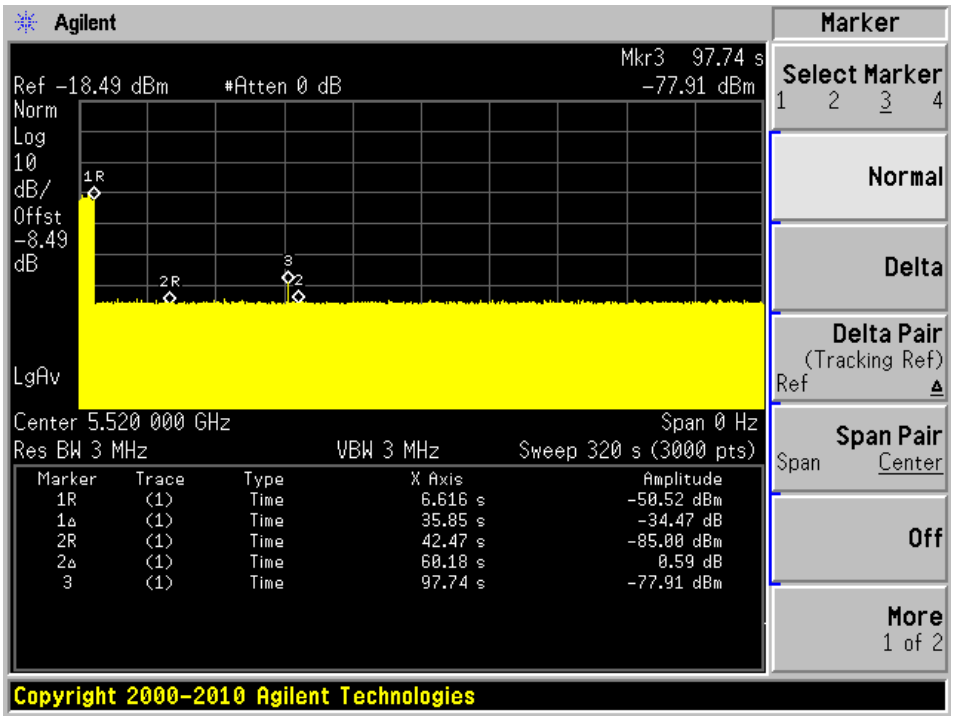


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

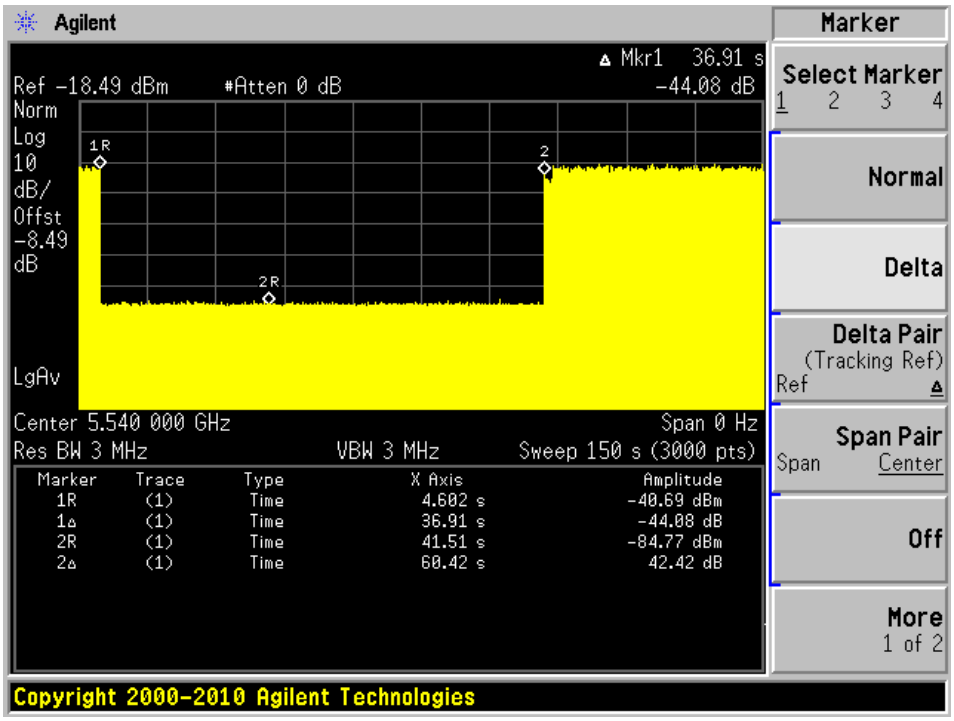
Plot of Radar signal applied at the end of 6 seconds of CAC



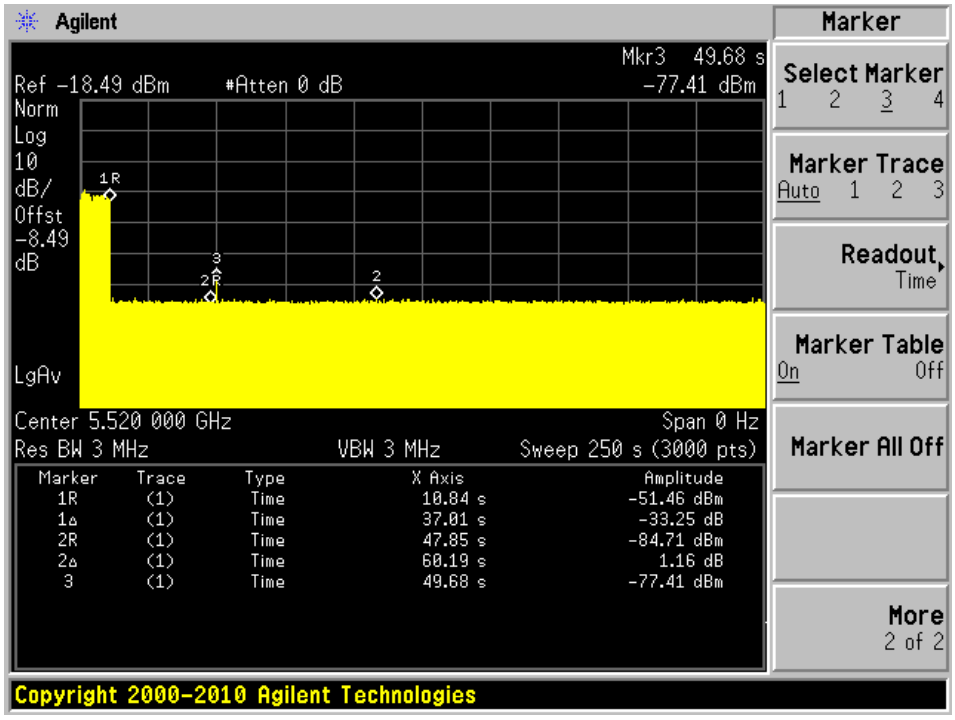
Auto Mode

5520 MHz & 5540 MHz

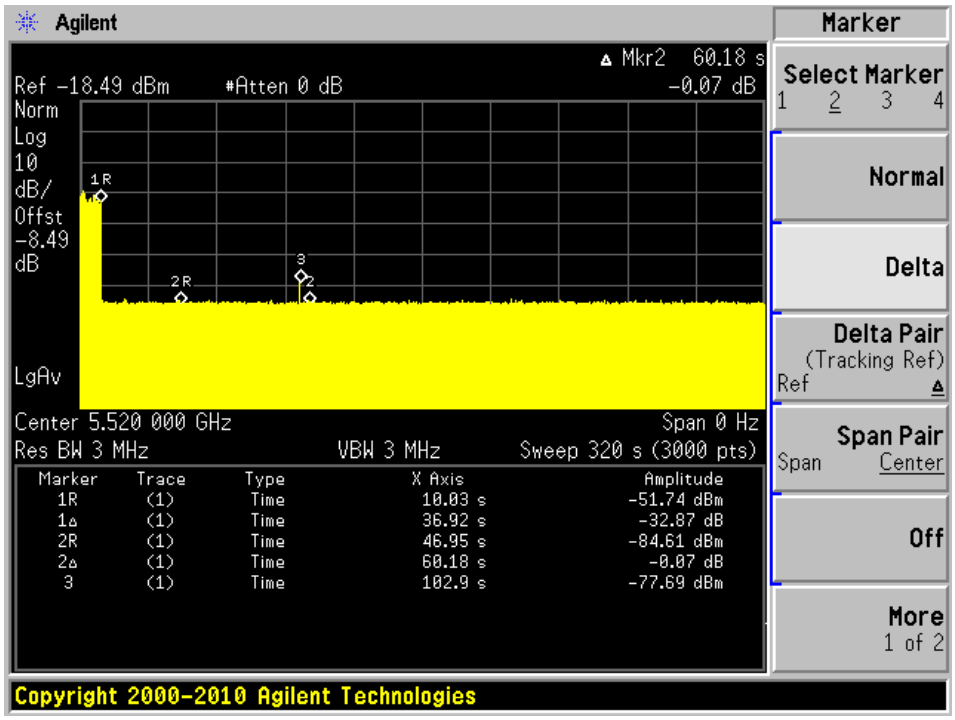
Plot of Power Cycle + CAC Time Period



Plot of Radar signal applied within 6 seconds of start of CAC



Plot of Radar signal applied at the end of 6 seconds of CAC



7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

BACL use type 0 radar signal to test the channel move time and channel closing transmission time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N * Dwell Time

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

7.2 Test Results

Master Mode

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5550	40	Type 0	Compliant

Client Mode

Frequency (MHz)	Radar Detecting Mode	Bandwidth (MHz)	Radar Type	Results
5550	Master Detecting	40	Type 0	Compliant
5550	Client Detecting	40	Type 0	Compliant

Auto Mode

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5550	40	Type 0	Compliant

Please refer to the following tables and plots.

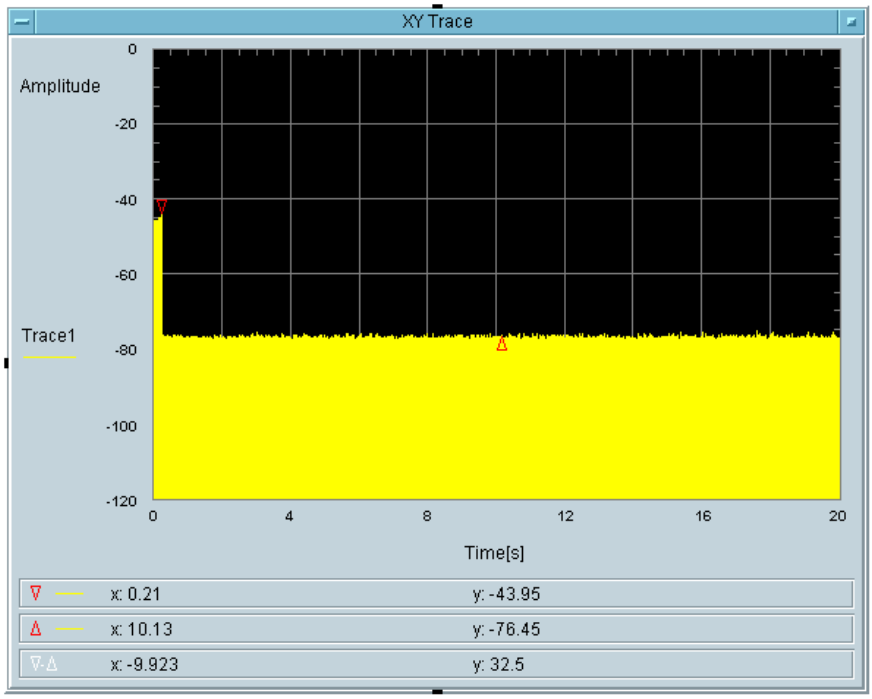
Master Mode

5550 MHz, Bandwidth 40 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
112.3+14.65	200+60	Pass

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



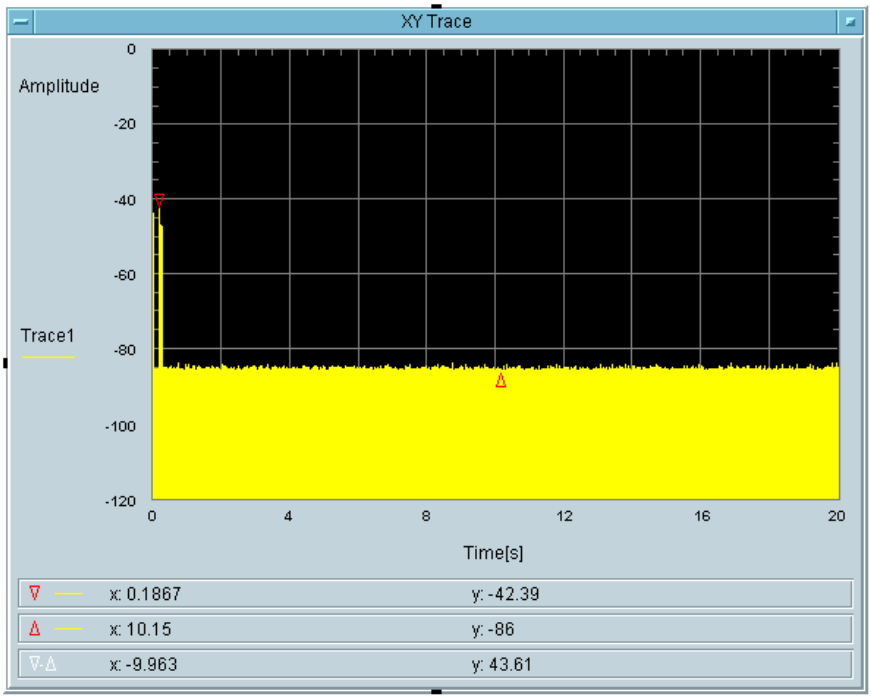
Client Mode with Master-Detecting

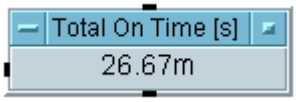
5550 MHz, Bandwidth 40 MHz

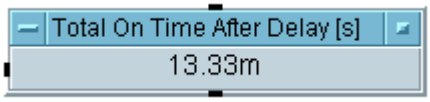
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
26.67+13.33	200+60	Pass

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







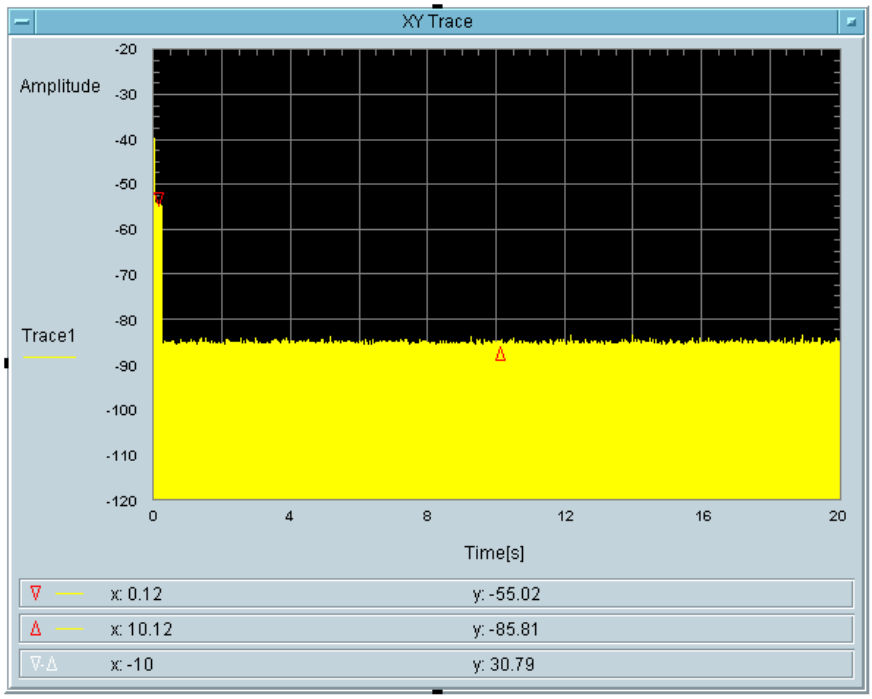
Client Mode with Client-Detecting

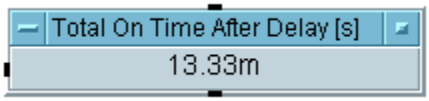
5550 MHz, Bandwidth 40 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
113.3+13.33	200+60	Pass

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





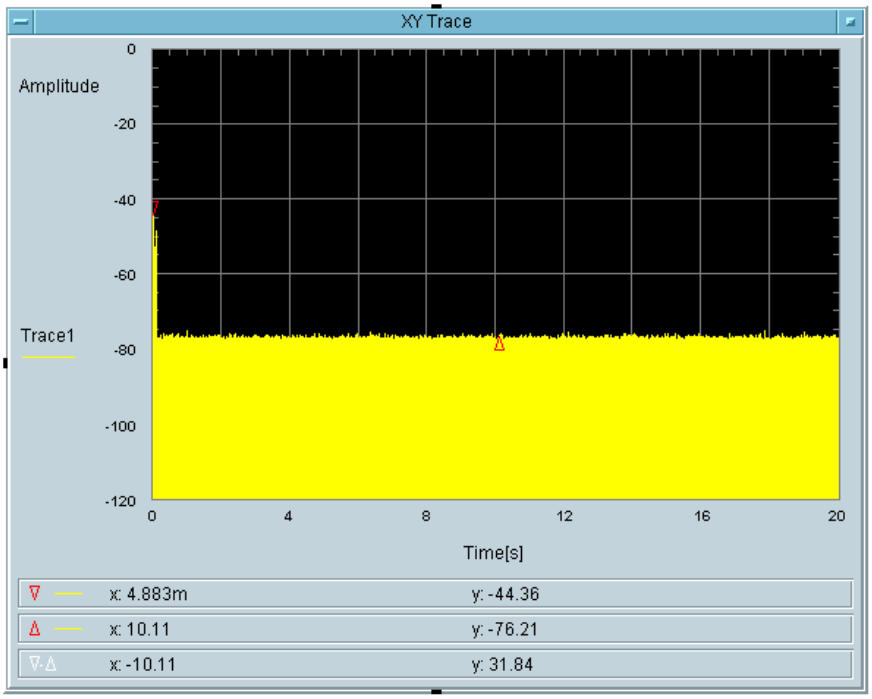
Auto Mode

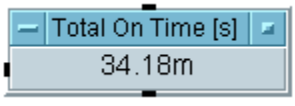
5510 MHz, Bandwidth 40 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
34.18+0	200+60	Pass

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





8 Non-Occupancy Period

8.1 Test Procedure

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

8.2 Test Results

Master Mode

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5550	40	No transmission within 30 minutes

Client Mode

Frequency (MHz)	Detecting Mode	Bandwidth (MHz)	Spectrum Analyzer Display
5550	With Master Detecting	40	No transmission within 30 minutes
5550	With Client Detecting	40	No transmission within 30 minutes

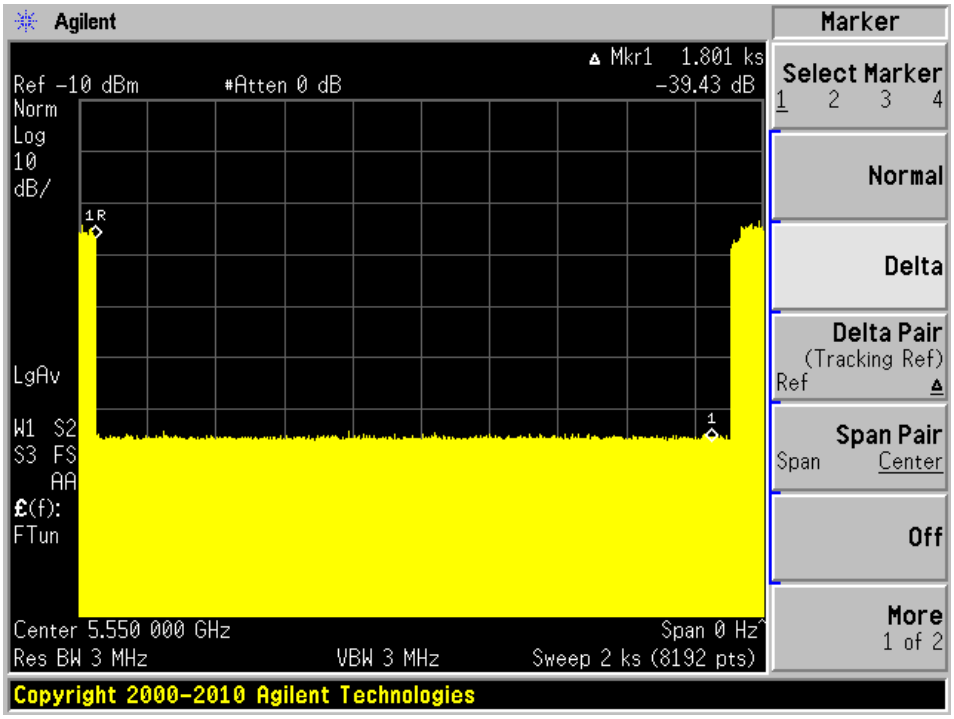
Auto Mode

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5550	40	No transmission within 30 minutes

Please refer to the following plots.

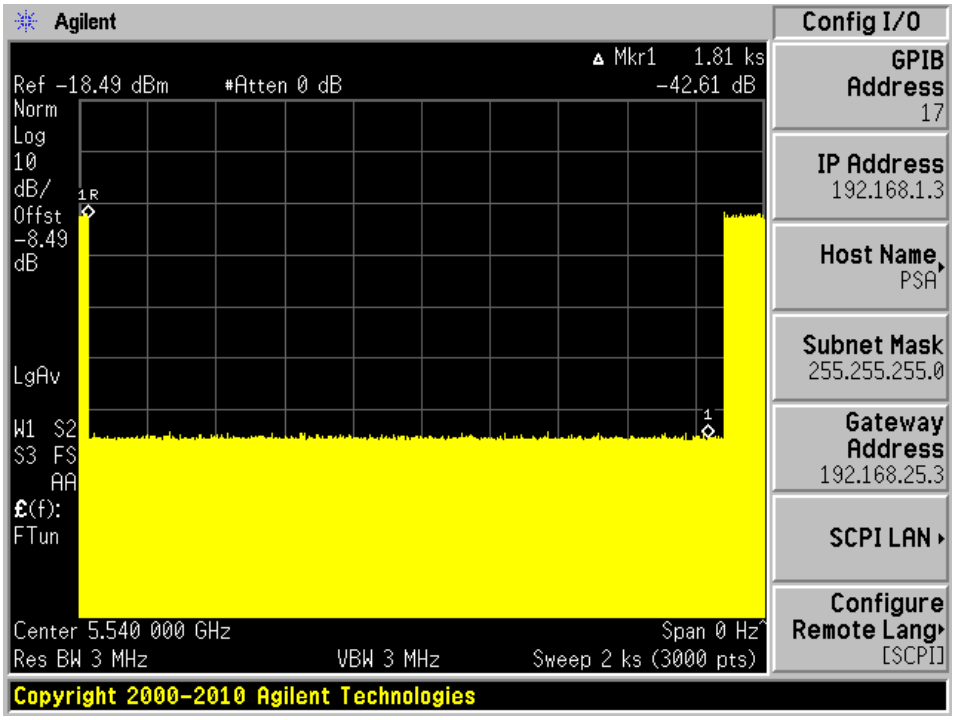
Master Mode

5550 MHz, Bandwidth 40 MHz



Client Mode with Master-Detecting

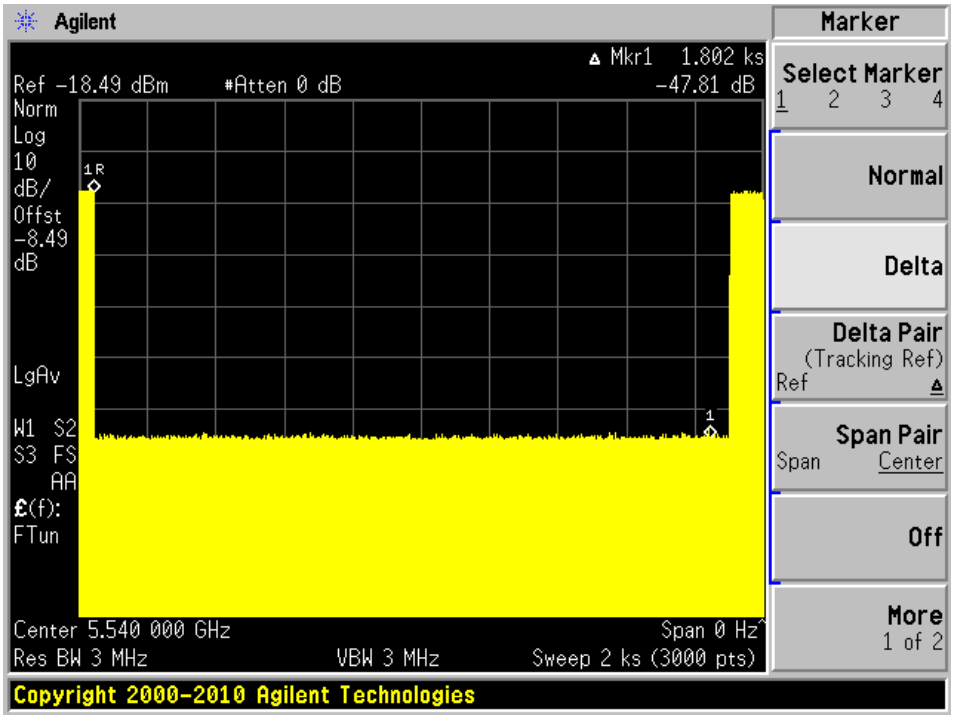
5550 MHz, Bandwidth 40 MHz



Note: 5540 MHz was tested as it is the primary channel that contains the control signal.

Client Mode with Client-Detecting

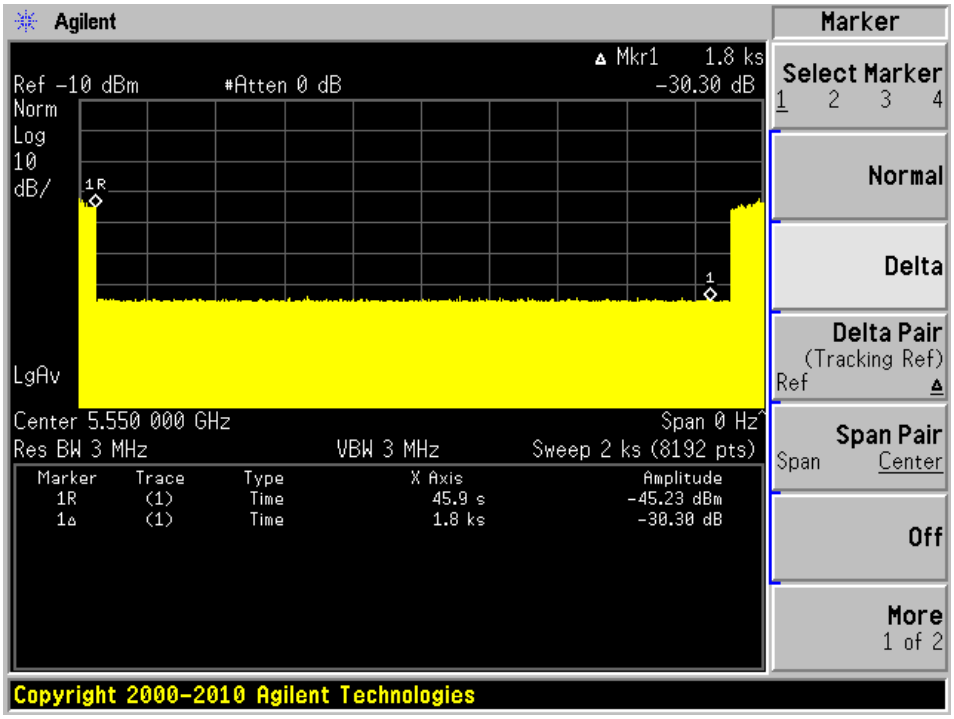
5550 MHz, Bandwidth 40 MHz



Note: 5540 MHz was tested as it is the primary channel that contains the control signal.

Auto Mode

5550 MHz, Bandwidth 40 MHz



9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

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

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

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

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

Test Results

Master Mode

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5520	5511	5529	18	100%	Compliance
5550	5530	5570	40	100%	Compliance

Client Mode

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5520	5510	5530	20	100%	Compliance
5550	5530	5570	40	100%	Compliance

Auto Mode

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5520	5510	5530	20	100%	Compliance
5550	5530	5570	40	100%	Compliance

Results of Detection Bandwidth:

Master Mode

UUT Frequency = 5520 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5510	1	1	1	1	0	1	1	0	1	1	80 %
5511 (F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5529 (F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5530	0	1	0	1	0	0	0	1	1	1	50 %
Detection Bandwidth = $F_H - F_L$=5529-5511=18 MHz											
UUT 99% OBW = 17.89 MHz; 17.89x 100% = 17.89 MHz **Result:** Pass											

UUT Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5530 (F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570 (F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5530=40 MHz											
UUT 99% OBW = 37.29 MHz; 37.29 x 100% = 37.29 MHz **Result:** Pass											

Client Mode

UUT Frequency = 5520 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5510 (F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520 (Fc)	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)	0	1	1	1	1	1	1	1	1	1	90 %
Detection Bandwidth = $F_H - F_L$=5530-5510=20 MHz											
UUT 99% OBW =17.36 MHz; 17.36 x 100% = 17.36MHz **Result:** Pass											

UUT Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5530 (F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570 (F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5530=40 MHz											
UUT 99% OBW = 37.09 MHz; 37.09 x 100% = 37.09 MHz **Result:** Pass											

Auto Mode

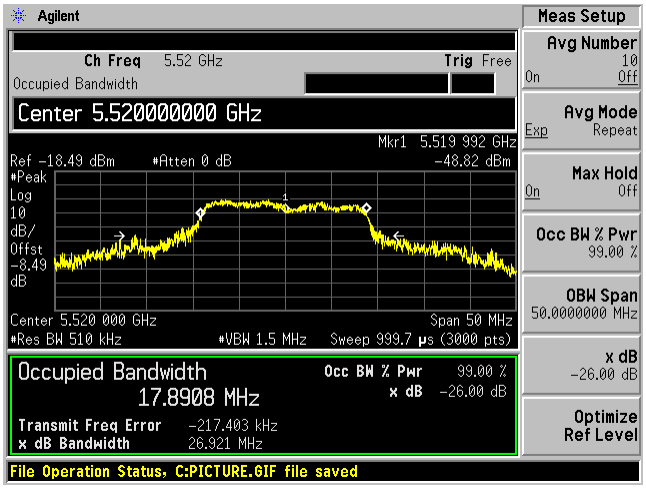
UUT Frequency = 5520 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5510 (F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530 (F_H)	1	1	1	1	1	1	0	1	1	1	90 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
UUT 99% OBW = 17.98 MHz; 17.98 x 100% = 17.98 MHz **Result:** Pass											

UUT Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5530 (F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570 (F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5530=40 MHz											
UUT 99% OBW = 35.96 MHz; 35.96 x 100% = 35.96 MHz **Result:** Pass											

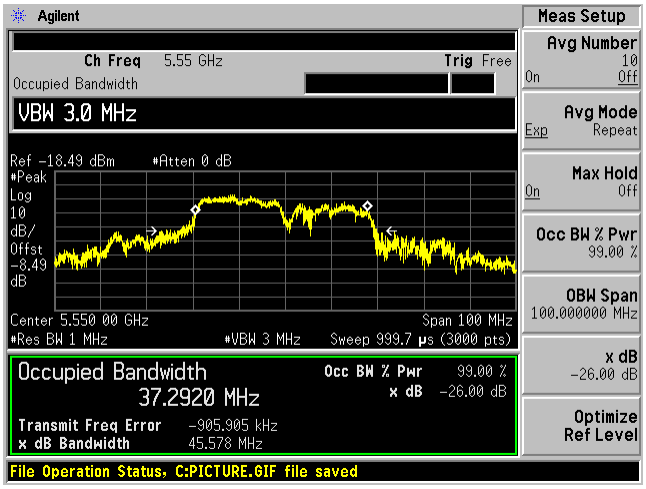
OBW Measurement

Master Mode

20 MHz

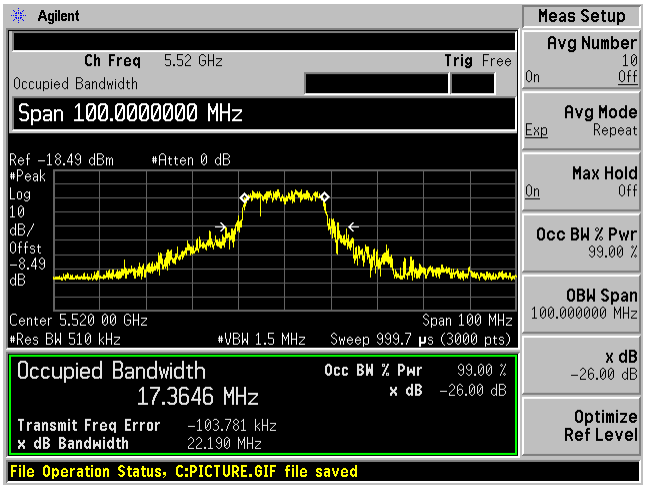


40 MHz

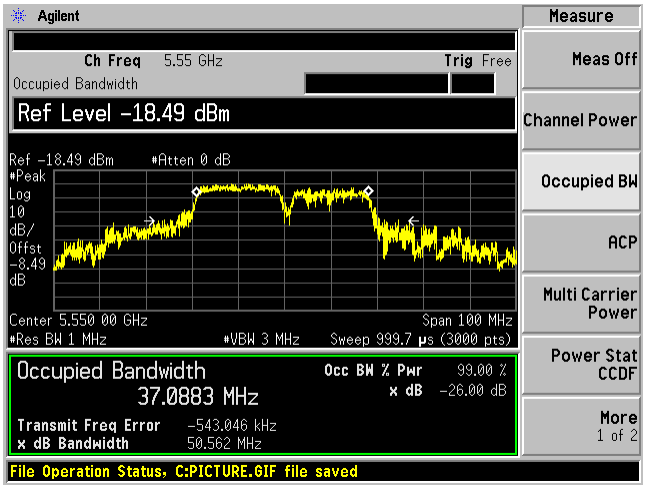


Client Mode

20 MHz

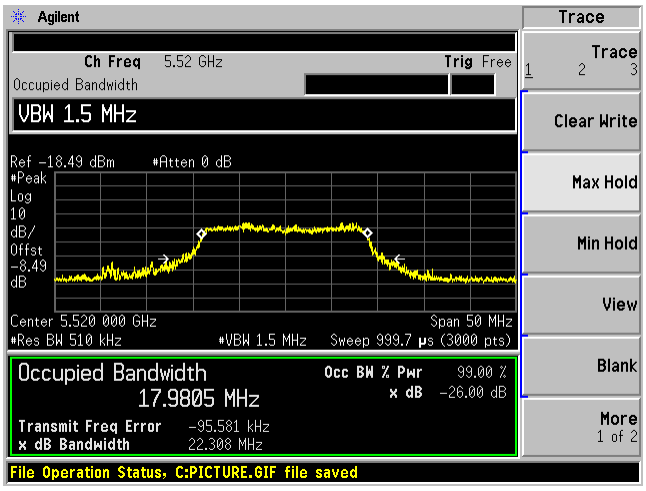


40 MHz

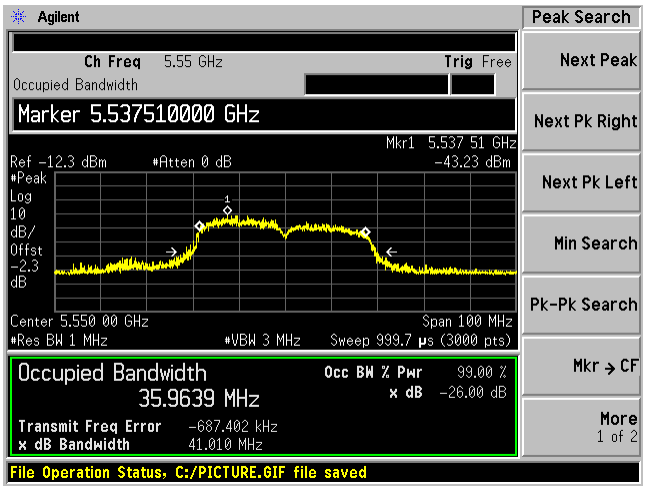


Auto Mode

20 MHz



40 MHz



9.2 Radar Detection Performance Check

Procedure:

Start iperf traffic from master device to client device.
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:

Master Mode

5520 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	73.3 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	88.3 %	80%	Pass
Type 5	30	83.3 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

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

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	83	1.0	638	1
2	67	1.0	798	1
3	86	1.0	618	1
4	68	1.0	778	1
5	62	1.0	858	1
6	89	1.0	598	1
7	76	1.0	698	1
8	57	1.0	938	1
9	58	1.0	918	1
10	92	1.0	578	1
11	72	1.0	738	1
12	99	1.0	538	1
13	70	1.0	758	1
14	63	1.0	838	1
15	59	1.0	898	1
16	46	1.0	1172	1
17	63	1.0	839	1
18	80	1.0	660	1
19	56	1.0	949	1
20	22	1.0	2455	1
21	28	1.0	1902	1
22	52	1.0	1027	1
23	54	1.0	993	1
24	73	1.0	730	1
25	30	1.0	1812	1
26	20	1.0	2761	1
27	19	1.0	2864	1
28	100	1.0	533	1
29	21	1.0	2526	1
30	36	1.0	1469	1
Detection Percentage: 100% (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	28	4.9	209	1
2	26	4.9	230	1
3	27	4.5	226	1
4	26	3.6	155	1
5	26	3.9	194	0
6	24	2.8	174	0
7	23	3.1	176	1
8	28	1.1	198	1
9	25	3.8	151	1
10	24	4.5	195	1
11	26	2.2	206	1
12	25	3.8	209	1
13	25	1.8	150	1
14	28	1.6	195	1
15	26	3.3	173	1
16	28	1.9	206	1
17	23	4.7	206	1
18	29	1.9	206	1
19	27	2.7	194	1
20	25	4.4	199	1
21	26	4.3	198	1
22	25	1.9	228	1
23	24	3.2	214	1
24	24	2.0	153	1
25	29	1.9	215	1
26	24	1.3	195	1
27	24	3.8	192	1
28	29	1.6	169	1
29	25	2.4	169	1
30	27	3.5	225	1
Detection Percentage: 93.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	6.2	229	1
2	16	7.9	480	0
3	17	6.6	212	1
4	18	7.2	401	1
5	18	7.3	226	1
6	16	6.9	415	0
7	18	7.1	374	1
8	18	8.0	367	0
9	16	7.7	421	0
10	17	6.4	384	1
11	18	6.6	247	1
12	17	9.8	415	1
13	18	7.7	335	1
14	17	10.0	482	1
15	18	9.7	264	1
16	18	6.1	485	1
17	18	9.1	286	1
18	16	6.0	367	1
19	18	7.0	420	1
20	16	8.9	442	0
21	16	9.5	383	0
22	18	7.1	353	1
23	18	6.7	310	1
24	18	7.0	478	1
25	18	8.2	333	1
26	18	8.2	466	1
27	16	8.3	406	0
28	16	8.6	361	1
29	16	8.2	279	0
30	17	8.6	360	1
Detection Percentage: 73.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	13.0	224	1
2	15	15.1	260	1
3	14	11.6	347	1
4	14	16.0	466	1
5	12	17.1	343	1
6	12	13.8	369	1
7	15	11.6	409	1
8	14	18.1	261	1
9	16	17.4	338	0
10	16	16.4	429	0
11	16	15.7	399	0
12	16	12.5	404	1
13	14	19.2	296	1
14	16	15.7	237	1
15	12	19.6	292	1
16	12	11.6	271	1
17	12	11.7	267	1
18	12	14.9	423	1
19	12	14.1	399	1
20	15	14.8	403	1
21	15	18.3	400	1
22	14	18.3	416	1
23	12	18.5	399	1
24	15	18.1	335	1
25	16	19.7	303	1
26	15	16.2	300	1
27	16	11.6	254	1
28	16	14.4	353	1
29	12	13.5	420	1
30	12	12.0	204	0
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5520	0
2	5520	1
3	5520	1
4	5520	1
5	5520	1
6	5520	1
7	5520	1
8	5520	1
9	5520	1
10	5520	1
11	5517.9	0
12	5518.7	1
13	5515.4	1
14	5513.9	1
15	5518.2	1
16	5516.2	1
17	5518.2	1
18	5514.7	1
19	5515.4	1
20	5514.7	1
21	5523.3	1
22	5526.6	1
23	5525.8	1
24	5524.1	1
25	5525.3	1
26	5521.3	0
27	5523.8	0
28	5522.9	1
29	5521.8	0
30	5522.1	1
Detection Percentage: 83.3 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	95.8	1959		0.286232	
1	2	12	95.1	1571		1.152551	
2	1	12	89.6			2.005502	
3	2	12	72.0	1158		2.807406	
4	3	12	53.2	1731	1039	3.738923	
5	1	12	83.3			4.774708	
6	1	12	59.5			5.514435	
7	2	12	92.1	1825		5.711873	0
8	1	12	76.0			6.965066	
9	3	12	59.4	1268	1810	7.246511	
10	3	12	58.0	1605	1109	8.132873	
11	2	12	60.5	1758		9.187483	
12	1	12	57.4			10.142265	
13	1	12	72.1			10.670851	
14	3	12	73.2	1393	1807	11.503835	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	69.1	1373		0.537047	
1	1	14	53.0			1.018096	
2	2	14	94.4	1143		1.420429	
3	3	14	55.4	1285	1206	2.439383	
4	2	14	91.9	1379		2.856294	
5	2	14	56.2	1660		3.821180	
6	3	14	67.9	1308	1277	4.924224	
7	2	14	96.9	1246		5.328426	
8	2	14	94.4	1085		6.117253	1
9	2	14	74.6	1270		6.361644	
10	1	14	67.2			7.480412	
11	2	14	74.3	1365		7.793779	
12	2	14	94.9	1703		9.046536	
13	2	14	85.3	1549		9.245230	
14	3	14	99.8	1149	1686	10.010015	
15	2	14	55.6	1883		10.986803	
16	3	14	70.2	1252	1090	11.321306	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	56.5	1747		0.551012	
1	2	13	81.2	1224		1.001139	
2	1	13	77.0			1.837790	
3	3	13	50.4	1011	1622	2.450671	
4	2	13	89.6	1586		2.783363	
5	3	13	65.1	1274	1177	3.495057	
6	1	13	83.5			3.919632	
7	1	13	66.8			4.567972	
8	2	13	98.2	1713		5.537670	
9	2	13	67.2	1759		6.051508	1
10	2	13	50.6	1427		6.783754	
11	2	13	75.3	1018		7.313850	
12	2	13	71.4	1903		7.868069	
13	3	13	78.4	1574	1388	8.228502	
14	1	13	73.7			9.165364	
15	2	13	67.4	1402		9.929700	
16	2	13	75.2	1029		10.345452	
17	1	13	88.1			10.800120	
18	1	13	66.0			11.432754	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	86.0	1815	1176	0.419768	
1	2	14	84.1	1441		1.069397	
2	1	14	66.3			2.279875	
3	1	14	76.4			3.241746	
4	2	14	69.0	1983		4.082970	
5	2	14	55.6	1732		5.503184	
6	3	14	83.0	1563	1405	5.818033	1
7	2	14	66.5	1673		7.053181	
8	2	14	94.2	1848		7.533076	
9	3	14	71.1	1951	1213	8.564003	
10	2	14	87.0	1873		9.433587	
11	3	14	90.6	1939	1793	10.605724	
12	2	14	64.9	1033		11.470549	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	72.9	1834		0.410154	
1	2	6	98.5	1369		1.123008	
2	1	6	67.2			1.624881	
3	2	6	94.2	1260		1.907710	
4	3	6	83.8	1457	1912	2.612772	
5	1	6	60.8			3.508515	
6	3	6	89.1	1733	1025	3.850615	
7	2	6	60.9	1609		4.590470	
8	1	6	95.7			5.271569	
9	1	6	84.5			5.937136	
10	1	6	59.9			6.128067	1
11	3	6	59.5	1835	1061	6.951581	
12	2	6	91.1	1550		7.250749	
13	1	6	59.7			8.107914	
14	3	6	62.6	1106	1991	8.803659	
15	2	6	64.4	1747		9.325033	
16	1	6	90.3			9.904444	
17	3	6	61.5	1819	1925	10.641691	
18	2	6	71.5	1941		11.183176	
19	2	6	67.7	1557		11.782767	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	92.5	1903	1132	0.615593	1
1	3	9	85.6	1688	1577	1.708155	
2	1	9	97.9			2.636426	
3	2	9	64.5	1543		3.968966	
4	3	9	81.8	1525	1385	4.456100	
5	1	9	97.7			6.211572	
6	2	9	97.5	1375		6.907043	
7	2	9	52.0	1218		8.386534	
8	1	9	87.8			9.270030	
9	2	9	50.1	1889		10.013553	
10	1	9	82.6			11.642476	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	76.6	1097		0.209836	1
1	2	12	64.8	1192		1.093914	
2	3	12	77.0	1910	1441	2.034244	
3	2	12	62.8	1059		3.418087	
4	2	12	54.6	1355		3.657903	
5	2	12	79.3	1428		5.055566	
6	2	12	64.8	1822		5.268915	
7	1	12	90.7			6.727300	
8	3	12	95.7	1893	1687	7.315145	
9	3	12	69.5	1615	1846	8.319712	
10	1	12	57.6			9.377341	
11	2	12	86.0	1829		9.965545	
12	3	12	97.7	1269	1619	10.814231	
13	2	12	63.5	1707		11.523597	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	61.7	1278		0.389335	1
1	1	14	73.1			1.189840	
2	3	14	52.6	1056	1055	1.606285	
3	2	14	77.2	1700		2.343102	
4	2	14	59.2	1139		2.848328	
5	2	14	57.5	1531		3.646054	
6	1	14	58.4			4.490420	
7	2	14	56.2	1547		4.689588	
8	3	14	77.9	1855	1628	5.374313	
9	1	14	69.3			6.171419	
10	2	14	82.8	1850		6.787034	
11	2	14	98.7	1870		7.614587	
12	3	14	69.8	1423	1313	8.475051	
13	2	14	67.5	1102		8.855701	
14	2	14	55.0	1385		9.354160	
15	1	14	82.6			10.660164	
16	2	14	88.8	1175		10.776685	
17	1	14	72.4			11.479161	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	64.4	1754		0.910665	1
1	2	9	76.1	1495		1.462030	
2	2	9	58.1	1808		2.817226	
3	1	9	65.2			3.938700	
4	2	9	76.0	1782		4.248111	
5	3	9	72.9	1079	1167	5.937088	
6	1	9	65.0			6.552531	
7	1	9	56.5			7.142776	
8	3	9	96.5	1802	1194	8.650290	
9	3	9	80.8	1366	1124	9.522958	
10	3	9	72.5	1652	1566	10.161070	
11	1	9	63.8			11.867943	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	59.3	1705	1155	0.349333	
1	2	12	87.0	1939		0.644404	
2	2	12	63.2	1186		1.743242	
3	2	12	51.8	1964		2.004199	
4	1	12	79.5			2.590442	
5	2	12	51.8	1255		3.687331	
6	3	12	63.7	1743	1125	4.069418	
7	3	12	73.1	1425	1463	4.469088	
8	1	12	55.6			5.095696	
9	3	12	74.4	1377	1604	5.998234	1
10	2	12	76.7	1241		6.848332	
11	2	12	81.2	1162		7.513975	
12	2	12	90.2	1845		7.898471	
13	2	12	98.3	1757		8.362550	
14	2	12	76.4	1979		9.193180	
15	2	12	69.6	1604		10.060978	
16	2	12	75.2	1435		10.577068	
17	2	12	70.3	1786		11.103537	
18	3	12	58.3	1254	1416	11.617506	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	99.1			0.564691	
1	2	17	74.7	1147		0.771068	
2	3	17	58.0	1945	1339	2.183896	
3	2	17	92.4	1225		2.273145	
4	2	17	90.0	1141		3.394429	
5	2	17	68.3	1881		4.315043	
6	2	17	56.1	1916		4.955920	
7	1	17	97.1			5.706967	
8	3	17	76.5	1857	1336	6.430246	0
9	3	17	52.4	1192	1948	7.140722	
10	2	17	70.3	1334		8.071815	
11	3	17	80.4	1454	1030	8.310255	
12	3	17	72.3	1581	1248	9.037759	
13	1	17	80.5			9.988029	
14	2	17	58.1	1483		11.105181	
15	2	17	67.6	1336		11.807251	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	90.7	1353	1985	0.151142	
1	3	19	94.0	1986	1659	2.552637	
2	2	19	79.8	1232		3.117223	
3	1	19	93.4			4.709875	
4	2	19	59.5	1439		5.420725	1
5	1	19	53.4			7.287876	
6	1	19	67.6			8.694807	
7	3	19	84.1	1508	1811	9.891498	
8	2	19	96.4	1402		11.931659	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	86.9			0.043327	
1	2	11	77.8	1142		1.125177	
2	2	11	90.5	1303		1.678645	
3	3	11	66.1	1848	1036	1.975872	
4	3	11	68.8	1959	1868	2.580466	
5	2	11	82.0	1185		3.229397	
6	2	11	52.0	1747		4.256765	
7	2	11	69.4	1358		4.871972	
8	1	11	80.6			5.269168	
9	2	11	74.0	1632		6.030105	1
10	3	11	89.5	1405	1870	6.717009	
11	2	11	96.2	1397		7.176040	
12	1	11	66.3			7.996635	
13	3	11	88.1	1540	1600	8.511861	
14	3	11	80.0	1849	1147	9.158998	
15	1	11	71.7			9.816750	
16	2	11	61.6	1693		10.238413	
17	3	11	97.4	1064	1673	11.130470	
18	2	11	62.2	1825		11.584468	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	57.2			0.634284	
1	2	7	82.0	1243		1.713850	
2	3	7	87.6	1725	1691	2.941871	
3	2	7	62.4	1608		3.637396	
4	1	7	83.2			5.239460	
5	1	7	94.0			5.682472	1
6	2	7	95.3	1862		6.797789	
7	1	7	66.6			8.304678	
8	3	7	53.7	1475	1896	9.333753	
9	1	7	58.3			10.220435	
10	3	7	93.2	1776	1549	11.404817	

Bin5 Statistic 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	79.7	1457		0.567343	
1	2	18	92.7	1287		1.760795	
2	3	18	88.5	1262	1593	2.127198	
3	3	18	97.3	1824	1218	3.658980	
4	1	18	68.9			4.639580	
5	2	18	91.8	1728		5.439682	
6	3	18	59.1	1142	1817	6.804883	1
7	2	18	71.8	1583		7.955870	
8	2	18	71.0	1494		8.204990	
9	3	18	67.8	1810	1391	9.533124	
10	2	18	83.8	1362		10.840364	
11	2	18	81.9	1724		11.486303	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	55.9			0.886605	1
1	2	13	52.0	1476		1.674878	
2	3	13	52.0	1073	1874	2.140412	
3	1	13	73.2			3.031349	
4	2	13	93.6	1987		4.676113	
5	2	13	86.1	1948		5.461865	
6	3	13	91.1	1144	1556	6.653945	
7	2	13	51.8	1722		7.324060	
8	1	13	81.5			8.269960	
9	1	13	56.2			9.886509	
10	2	13	91.8	1962		10.938686	
11	2	13	62.9	1899		11.212115	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	86.5	1560		0.473463	1
1	2	18	85.7	1307		0.848002	
2	3	18	98.0	1373	1816	1.474360	
3	2	18	56.4	1085		2.320597	
4	2	18	89.5	1134		3.104249	
5	2	18	64.5	1049		4.070673	
6	2	18	64.9	1664		4.785291	
7	2	18	57.8	1265		5.618701	
8	1	18	96.7			6.040527	
9	2	18	96.4	1322		6.675866	
10	2	18	94.9	1455		7.120458	
11	2	18	87.6	1961		8.426036	
12	2	18	59.1	1622		8.519680	
13	2	18	53.5	1508		9.609645	
14	2	18	91.1	1166		10.460871	
15	3	18	76.7	1546	1433	11.123181	
16	2	18	88.5	1188		11.812046	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	67.6	1875		0.038775	1
1	1	9	78.6			1.681807	
2	2	9	53.2	1339		1.746015	
3	2	9	97.5	1786		2.638023	
4	3	9	74.7	1583	1688	3.748883	
5	2	9	52.9	1875		4.571935	
6	3	9	75.1	1444	1233	5.640727	
7	1	9	56.8			6.203434	
8	2	9	88.1	1083		7.165555	
9	1	9	71.2			7.818410	
10	2	9	82.5	1947		8.688009	
11	2	9	89.1	1569		9.976111	
12	2	9	94.0	1784		10.330659	
13	2	9	53.7	1534		11.540908	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	71.8	1704		0.654034	1
1	1	11	74.1			2.032894	
2	1	11	67.0			2.701838	
3	2	11	58.7	1799		3.504924	
4	3	11	68.1	1927	1669	4.529899	
5	2	11	62.8	1899		6.322220	
6	2	11	68.5	1003		6.882968	
7	3	11	75.8	1520	1014	8.079814	
8	2	11	67.5	1881		9.353157	
9	1	11	82.8			10.752552	
10	2	11	97.5	1340		11.780265	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	78.8	1846		0.652658	
1	2	9	50.1	1703		1.257884	
2	2	9	75.6	1208		1.861820	
3	2	9	56.5	1018		3.134812	
4	1	9	56.2			4.450419	
5	1	9	59.1			4.902014	
6	2	9	91.8	1342		6.441979	1
7	3	9	80.0	1061	1131	7.278991	
8	3	9	86.1	1004	1106	7.554022	
9	1	9	90.8			9.019130	
10	2	9	89.6	1148		9.421752	
11	3	9	59.8	1582	1114	10.181851	
12	1	9	66.5			11.405836	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	99.3	1428	1088	0.543913	
1	1	14	84.3			1.618047	
2	3	14	51.4	1608	1673	2.340750	
3	3	14	56.2	1189	1358	3.349184	
4	1	14	81.1			4.144426	
5	1	14	68.2			4.853654	
6	2	14	95.0	1371		5.608643	1
7	2	14	80.4	1099		6.313630	
8	2	14	81.3	1504		7.515987	
9	3	14	69.2	1797	1080	7.927670	
10	2	14	64.2	1821		9.230898	
11	2	14	62.1	1688		9.660356	
12	2	14	65.2	1239		10.508475	
13	2	14	70.9	1635		11.745230	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	86.0			0.248466	
1	2	6	94.9	1481		0.855821	
2	2	6	91.4	1371		2.063696	
3	3	6	53.2	1173	1638	2.472305	
4	2	6	67.0	1646		3.387547	
5	3	6	81.2	1882	1578	3.791088	
6	3	6	86.9	1812	1712	4.250542	
7	1	6	61.5			5.287860	
8	1	6	50.1			6.017406	1
9	2	6	75.1	1831		6.832009	
10	1	6	94.1			7.730607	
11	3	6	53.3	1036	1430	8.251907	
12	2	6	98.2	1994		8.851320	
13	1	6	67.3			9.721521	
14	1	6	68.8			10.206980	
15	1	6	57.3			11.190348	
16	3	6	57.8	1016	1996	11.613433	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	58.5	1825	1015	0.403635	
1	2	8	78.7	1154		1.367268	
2	2	8	51.5	1741		3.128536	
3	2	8	63.8	1116		4.085877	
4	3	8	58.7	1530	1023	4.895798	1
5	2	8	61.1	1863		6.729964	
6	1	8	96.0			7.736007	
7	2	8	66.6	1003		9.495210	
8	1	8	79.9			10.081829	
9	2	8	60.1	1629		11.855440	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	67.9			0.561203	1
1	2	12	51.8	1174		1.152080	
2	2	12	98.4	1763		1.850262	
3	2	12	82.2	1097		3.301980	
4	3	12	76.3	1912	1675	3.631212	
5	2	12	57.6	1124		4.469544	
6	3	12	66.8	1099	1569	5.712177	
7	2	12	51.1	1286		6.151973	
8	3	12	88.5	1362	1179	7.693805	
9	1	12	76.1			7.770177	
10	3	12	75.0	1382	1890	8.616108	
11	2	12	59.2	1723		10.241489	
12	2	12	60.6	1950		10.787752	
13	2	12	89.8	1112		11.619663	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	90.9	1625	1214	0.390909	1
1	2	9	69.1	1214		0.908532	
2	2	9	95.2	1654		2.337026	
3	2	9	69.0	1908		2.485995	
4	2	9	96.7	1751		3.564879	
5	3	9	73.0	1606	1126	4.709314	
6	1	9	56.6			4.968686	
7	3	9	79.7	1489	1163	5.928198	
8	2	9	94.1	1028		6.839571	
9	2	9	58.8	1612		7.529165	
10	3	9	61.1	1477	1201	8.517264	
11	2	9	85.4	1441		9.269957	
12	2	9	69.6	1543		9.695490	
13	3	9	53.6	1835	1491	10.620772	
14	2	9	87.6	1651		11.317277	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	67.6			0.324125	0
1	2	19	90.1	1422		0.751521	
2	3	19	71.1	1330	1791	2.009194	
3	2	19	65.1	1662		2.930254	
4	2	19	77.1	1098		3.270961	
5	1	19	67.5			4.465186	
6	1	19	76.9			4.756959	
7	2	19	52.1	1838		5.404785	
8	3	19	98.4	1699	1875	6.355442	
9	1	19	67.0			6.913467	
10	1	19	79.7			7.816610	
11	3	19	80.2	1992	1997	8.762139	
12	2	19	81.3	1783		9.385898	
13	1	19	55.3			10.068733	
14	1	19	78.2			11.043867	
15	2	19	76.1	1319		11.671731	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	52.8			0.538618	0
1	3	13	62.6	1389	1231	1.323701	
2	2	13	54.2	1460		2.527069	
3	1	13	84.9			3.328508	
4	2	13	88.1	1782		3.542945	
5	2	13	74.3	1575		4.304729	
6	1	13	89.3			5.961074	
7	3	13	81.7	1310	1718	6.641795	
8	2	13	95.6	1207		6.901553	
9	3	13	77.3	1540	1475	7.806536	
10	3	13	55.5	1156	1155	9.082654	
11	3	13	72.0	1724	1674	9.533990	
12	1	13	85.8			10.478095	
13	1	13	76.3			11.607234	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	55.0			0.572381	
1	2	15	96.8	1585		0.789541	
2	1	15	79.2			1.920141	
3	2	15	82.9	1835		2.431464	
4	1	15	95.7			3.154504	
5	2	15	63.1	1948		4.200218	
6	2	15	68.8	1918		4.617006	
7	1	15	75.1			5.544729	
8	1	15	52.9			6.329014	1
9	2	15	54.0	1345		6.401259	
10	2	15	64.6	1049		7.494450	
11	2	15	57.6	1020		8.036777	
12	2	15	76.0	1951		8.720481	
13	2	15	78.0	1504		9.187685	
14	2	15	62.8	1760		10.207374	
15	3	15	84.1	1948	1953	10.977751	
16	2	15	85.9	1202		11.800387	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	94.0	1957		0.234120	0
1	3	18	74.5	1626	1840	1.515293	
2	3	18	72.5	1684	1003	2.653243	
3	3	18	68.0	1255	1547	3.627230	
4	2	18	53.9	1442		4.002664	
5	3	18	73.9	1135	1737	5.522295	
6	1	18	55.4			6.431198	
7	2	18	69.3	1516		7.932686	
8	1	18	52.8			8.609852	
9	2	18	83.3	1252		9.516065	
10	3	18	82.9	1842	1910	10.044752	
11	3	18	99.4	1006	1065	11.567261	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	76.7	1883		0.669019	1
1	2	17	51.3	1013		1.238430	
2	3	17	75.2	1351	1009	1.774464	
3	2	17	85.5	1171		2.386266	
4	1	17	80.5			3.554365	
5	2	17	63.1	1830		4.171148	
6	1	17	62.3			5.012824	
7	3	17	61.2	1027	1909	5.511940	
8	2	17	73.8	1034		6.468992	
9	1	17	84.7			6.791864	
10	1	17	99.0			8.050481	
11	1	17	73.4			8.696768	
12	2	17	58.7	1545		9.417561	
13	2	17	96.4	1632		10.208487	
14	3	17	87.4	1240	1399	10.729058	
15	2	17	79.1	1210		11.940128	

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	5520.0	9	1.0	333	1	5449.0, 5634.0, 5613.0, 5488.0, 5420.0, 5458.0, 5484.0, 5330.0, 5610.0, 5267.0, 5397.0, 5265.0, 5406.0, 5293.0, 5676.0, 5447.0, 5362.0, 5344.0, 5669.0, 5377.0, 5519.0, 5516.0, 5598.0, 5382.0, 5660.0, 5357.0, 5491.0, 5282.0, 5497.0, 5433.0, 5352.0, 5478.0, 5413.0, 5475.0, 5526.0, 5629.0, 5709.0, 5572.0, 5465.0, 5561.0, 5573.0, 5416.0, 5308.0, 5346.0, 5359.0, 5386.0, 5544.0, 5487.0, 5446.0, 5466.0, 5547.0, 5250.0, 5276.0, 5294.0, 5541.0, 5587.0, 5680.0, 5528.0, 5469.0, 5375.0, 5258.0, 5481.0, 5311.0, 5611.0, 5452.0, 5376.0, 5295.0, 5278.0, 5665.0, 5662.0, 5321.0, 5395.0, 5707.0, 5675.0, 5710.0, 5525.0, 5415.0, 5625.0, 5266.0, 5328.0, 5318.0, 5368.0, 5396.0, 5323.0, 5479.0, 5532.0, 5287.0, 5434.0, 5513.0, 5445.0, 5403.0, 5430.0, 5363.0, 5588.0, 5454.0, 5259.0, 5514.0, 5685.0, 5655.0, 5284.0 (number of hits: 7)
2	5520.0	9	1.0	333	1	5291.0, 5686.0, 5426.0, 5299.0, 5268.0, 5362.0, 5410.0, 5465.0, 5364.0, 5370.0, 5442.0, 5307.0, 5314.0, 5264.0, 5507.0, 5712.0, 5425.0, 5517.0, 5428.0, 5542.0, 5580.0, 5422.0, 5407.0, 5365.0, 5331.0, 5421.0, 5670.0, 5386.0, 5541.0, 5330.0, 5634.0, 5382.0, 5570.0, 5722.0, 5683.0, 5439.0, 5335.0, 5311.0, 5552.0, 5719.0, 5701.0, 5353.0, 5298.0, 5254.0, 5350.0, 5669.0, 5596.0, 5674.0, 5615.0, 5340.0, 5309.0, 5562.0, 5333.0, 5436.0, 5514.0, 5277.0, 5308.0, 5272.0, 5409.0, 5716.0, 5555.0, 5411.0, 5695.0, 5385.0, 5463.0, 5537.0, 5691.0, 5607.0, 5637.0, 5273.0, 5635.0, 5378.0, 5275.0, 5282.0, 5676.0, 5406.0, 5251.0, 5617.0, 5606.0, 5508.0, 5404.0, 5513.0, 5524.0, 5612.0, 5561.0, 5384.0, 5471.0, 5505.0, 5530.0, 5540.0, 5403.0, 5568.0, 5581.0, 5595.0, 5336.0, 5255.0, 5466.0, 5661.0, 5446.0, 5599.0 (number of hits: 4)
3	5520.0	9	1.0	333	1	5452.0, 5557.0, 5642.0, 5580.0, 5351.0, 5460.0, 5609.0, 5394.0, 5253.0, 5302.0, 5542.0, 5301.0, 5559.0, 5386.0, 5442.0, 5268.0, 5511.0, 5320.0, 5708.0, 5352.0, 5691.0, 5404.0, 5694.0, 5669.0, 5433.0, 5552.0, 5369.0, 5689.0, 5647.0, 5617.0, 5422.0, 5663.0, 5456.0, 5315.0, 5397.0, 5518.0, 5462.0, 5341.0, 5648.0, 5432.0, 5478.0, 5573.0, 5303.0, 5510.0, 5618.0, 5660.0, 5577.0, 5646.0, 5431.0, 5380.0, 5705.0, 5423.0, 5310.0, 5486.0, 5493.0, 5338.0, 5297.0, 5666.0, 5590.0, 5695.0, 5344.0, 5521.0, 5520.0, 5467.0, 5494.0, 5406.0, 5429.0, 5594.0, 5424.0, 5283.0, 5434.0, 5491.0, 5403.0, 5441.0, 5405.0,

						5710.0, 5377.0, 5601.0, 5502.0, 5654.0, 5475.0, 5581.0, 5509.0, 5550.0, 5649.0, 5712.0, 5481.0, 5719.0, 5635.0, 5342.0, 5628.0, 5487.0, 5354.0, 5294.0, 5417.0, 5296.0, 5576.0, 5683.0, 5298.0, 5374.0 (number of hits: 4
4	5520.0	9	1.0	333	1	5522.0, 5557.0, 5367.0, 5603.0, 5593.0, 5293.0, 5279.0, 5480.0, 5504.0, 5718.0, 5339.0, 5605.0, 5317.0, 5507.0, 5688.0, 5615.0, 5667.0, 5620.0, 5404.0, 5397.0, 5606.0, 5398.0, 5633.0, 5326.0, 5723.0, 5361.0, 5706.0, 5380.0, 5356.0, 5681.0, 5602.0, 5375.0, 5710.0, 5495.0, 5653.0, 5488.0, 5322.0, 5489.0, 5469.0, 5614.0, 5513.0, 5487.0, 5701.0, 5629.0, 5713.0, 5436.0, 5382.0, 5497.0, 5335.0, 5348.0, 5678.0, 5482.0, 5320.0, 5610.0, 5304.0, 5454.0, 5586.0, 5600.0, 5291.0, 5549.0, 5684.0, 5264.0, 5592.0, 5396.0, 5669.0, 5405.0, 5486.0, 5590.0, 5579.0, 5694.0, 5550.0, 5554.0, 5413.0, 5442.0, 5331.0, 5300.0, 5330.0, 5271.0, 5501.0, 5385.0, 5283.0, 5568.0, 5473.0, 5470.0, 5316.0, 5637.0, 5644.0, 5716.0, 5645.0, 5430.0, 5290.0, 5253.0, 5307.0, 5372.0, 5387.0, 5715.0, 5403.0, 5409.0, 5643.0, 5516.0 (number of hits: 3)
5	5520.0	9	1.0	333	1	5715.0, 5388.0, 5308.0, 5451.0, 5430.0, 5664.0, 5313.0, 5271.0, 5496.0, 5392.0, 5497.0, 5361.0, 5273.0, 5381.0, 5581.0, 5306.0, 5464.0, 5349.0, 5659.0, 5647.0, 5686.0, 5684.0, 5450.0, 5269.0, 5486.0, 5478.0, 5400.0, 5256.0, 5358.0, 5298.0, 5507.0, 5548.0, 5350.0, 5373.0, 5699.0, 5652.0, 5719.0, 5671.0, 5592.0, 5363.0, 5483.0, 5295.0, 5250.0, 5609.0, 5527.0, 5473.0, 5690.0, 5455.0, 5471.0, 5564.0, 5625.0, 5706.0, 5432.0, 5487.0, 5523.0, 5480.0, 5305.0, 5375.0, 5669.0, 5291.0, 5385.0, 5379.0, 5673.0, 5713.0, 5655.0, 5682.0, 5275.0, 5384.0, 5584.0, 5530.0, 5508.0, 5502.0, 5351.0, 5356.0, 5622.0, 5599.0, 5615.0, 5378.0, 5355.0, 5279.0, 5325.0, 5503.0, 5542.0, 5555.0, 5505.0, 5297.0, 5288.0, 5704.0, 5525.0, 5447.0, 5395.0, 5679.0, 5676.0, 5637.0, 5344.0, 5670.0, 5595.0, 5593.0, 5568.0, 5420.0 (number of hits: 3)
6	5520.0	9	1.0	333	1	5588.0, 5709.0, 5298.0, 5362.0, 5680.0, 5706.0, 5381.0, 5590.0, 5567.0, 5695.0, 5269.0, 5693.0, 5301.0, 5350.0, 5252.0, 5454.0, 5250.0, 5544.0, 5273.0, 5425.0, 5673.0, 5551.0, 5267.0, 5448.0, 5494.0, 5478.0, 5406.0, 5548.0, 5529.0, 5460.0, 5592.0, 5456.0, 5665.0, 5689.0, 5474.0, 5429.0, 5361.0, 5369.0, 5499.0, 5617.0, 5710.0, 5394.0, 5633.0, 5253.0, 5319.0, 5498.0, 5571.0, 5575.0, 5488.0, 5281.0, 5531.0, 5386.0, 5670.0, 5606.0, 5476.0, 5490.0, 5348.0, 5359.0, 5703.0, 5655.0, 5344.0, 5612.0, 5262.0, 5356.0, 5536.0, 5530.0, 5541.0, 5495.0, 5481.0, 5260.0,

						5270.0, 5291.0, 5431.0, 5662.0, 5483.0, 5420.0, 5324.0, 5609.0, 5458.0, 5629.0, 5427.0, 5535.0, 5505.0, 5573.0, 5601.0, 5632.0, 5351.0, 5496.0, 5521.0, 5287.0, 5493.0, 5449.0, 5517.0, 5516.0, 5672.0, 5430.0, 5597.0, 5557.0, 5336.0, 5277.0 (number of hits: 3)
7	5520.0	9	1.0	333	1	5687.0, 5519.0, 5478.0, 5702.0, 5666.0, 5359.0, 5667.0, 5524.0, 5661.0, 5450.0, 5428.0, 5642.0, 5347.0, 5683.0, 5456.0, 5646.0, 5321.0, 5385.0, 5350.0, 5619.0, 5291.0, 5469.0, 5384.0, 5306.0, 5454.0, 5643.0, 5351.0, 5263.0, 5371.0, 5382.0, 5536.0, 5526.0, 5401.0, 5331.0, 5381.0, 5692.0, 5630.0, 5354.0, 5353.0, 5338.0, 5620.0, 5439.0, 5276.0, 5316.0, 5723.0, 5413.0, 5522.0, 5722.0, 5719.0, 5447.0, 5285.0, 5271.0, 5340.0, 5484.0, 5684.0, 5463.0, 5499.0, 5370.0, 5319.0, 5504.0, 5290.0, 5300.0, 5419.0, 5498.0, 5329.0, 5650.0, 5259.0, 5635.0, 5280.0, 5425.0, 5429.0, 5352.0, 5691.0, 5269.0, 5656.0, 5711.0, 5383.0, 5514.0, 5396.0, 5553.0, 5368.0, 5532.0, 5559.0, 5374.0, 5572.0, 5424.0, 5513.0, 5422.0, 5430.0, 5703.0, 5451.0, 5369.0, 5299.0, 5432.0, 5654.0, 5501.0, 5705.0, 5391.0, 5561.0, 5671.0 (number of hits: 6)
8	5520.0	9	1.0	333	1	5393.0, 5266.0, 5608.0, 5624.0, 5333.0, 5634.0, 5510.0, 5369.0, 5523.0, 5448.0, 5274.0, 5291.0, 5563.0, 5715.0, 5702.0, 5635.0, 5275.0, 5327.0, 5368.0, 5525.0, 5657.0, 5564.0, 5538.0, 5296.0, 5294.0, 5290.0, 5488.0, 5616.0, 5458.0, 5567.0, 5665.0, 5667.0, 5598.0, 5575.0, 5573.0, 5594.0, 5418.0, 5560.0, 5380.0, 5355.0, 5482.0, 5694.0, 5696.0, 5675.0, 5699.0, 5437.0, 5339.0, 5451.0, 5282.0, 5310.0, 5509.0, 5561.0, 5612.0, 5571.0, 5425.0, 5469.0, 5576.0, 5357.0, 5671.0, 5705.0, 5364.0, 5261.0, 5690.0, 5619.0, 5351.0, 5636.0, 5629.0, 5253.0, 5554.0, 5299.0, 5332.0, 5497.0, 5363.0, 5447.0, 5661.0, 5468.0, 5724.0, 5383.0, 5449.0, 5626.0, 5656.0, 5709.0, 5405.0, 5711.0, 5609.0, 5359.0, 5650.0, 5716.0, 5548.0, 5434.0, 5408.0, 5287.0, 5518.0, 5597.0, 5431.0, 5593.0, 5591.0, 5553.0, 5644.0, 5321.0 (number of hits: 3)
9	5520.0	9	1.0	333	1	5323.0, 5416.0, 5305.0, 5465.0, 5570.0, 5578.0, 5329.0, 5469.0, 5393.0, 5490.0, 5467.0, 5468.0, 5557.0, 5256.0, 5383.0, 5395.0, 5569.0, 5674.0, 5542.0, 5559.0, 5418.0, 5482.0, 5377.0, 5423.0, 5376.0, 5698.0, 5653.0, 5455.0, 5390.0, 5584.0, 5432.0, 5381.0, 5410.0, 5551.0, 5349.0, 5539.0, 5365.0, 5281.0, 5307.0, 5259.0, 5251.0, 5515.0, 5722.0, 5638.0, 5495.0, 5353.0, 5527.0, 5658.0, 5537.0, 5272.0, 5558.0, 5269.0, 5262.0, 5341.0, 5723.0, 5519.0, 5680.0, 5659.0, 5339.0, 5471.0, 5645.0, 5282.0, 5314.0, 5647.0, 5582.0,

						5686.0, 5303.0, 5716.0, 5549.0, 5705.0, 5426.0, 5641.0, 5297.0, 5466.0, 5502.0, 5415.0, 5574.0, 5586.0, 5714.0, 5371.0, 5385.0, 5642.0, 5628.0, 5483.0, 5484.0, 5475.0, 5417.0, 5492.0, 5622.0, 5459.0, 5494.0, 5488.0, 5317.0, 5679.0, 5436.0, 5463.0, 5676.0, 5689.0, 5601.0, 5720.0 (number of hits: 3)
10	5520.0	9	1.0	333	1	5508.0, 5414.0, 5620.0, 5470.0, 5545.0, 5704.0, 5719.0, 5587.0, 5404.0, 5487.0, 5466.0, 5638.0, 5313.0, 5520.0, 5488.0, 5626.0, 5256.0, 5622.0, 5637.0, 5438.0, 5360.0, 5631.0, 5722.0, 5604.0, 5517.0, 5701.0, 5321.0, 5578.0, 5337.0, 5398.0, 5491.0, 5401.0, 5675.0, 5576.0, 5664.0, 5387.0, 5467.0, 5547.0, 5334.0, 5435.0, 5538.0, 5346.0, 5671.0, 5632.0, 5677.0, 5473.0, 5563.0, 5654.0, 5333.0, 5381.0, 5478.0, 5281.0, 5315.0, 5255.0, 5539.0, 5446.0, 5613.0, 5350.0, 5384.0, 5341.0, 5376.0, 5391.0, 5290.0, 5548.0, 5345.0, 5594.0, 5266.0, 5599.0, 5386.0, 5396.0, 5670.0, 5699.0, 5461.0, 5688.0, 5601.0, 5474.0, 5416.0, 5642.0, 5444.0, 5422.0, 5423.0, 5629.0, 5657.0, 5591.0, 5609.0, 5306.0, 5452.0, 5627.0, 5542.0, 5318.0, 5660.0, 5412.0, 5528.0, 5681.0, 5511.0, 5651.0, 5311.0, 5278.0, 5276.0, 5673.0 (number of hits: 4)
11	5520.0	9	1.0	333	1	5404.0, 5278.0, 5251.0, 5447.0, 5255.0, 5555.0, 5374.0, 5323.0, 5354.0, 5432.0, 5699.0, 5328.0, 5476.0, 5580.0, 5419.0, 5690.0, 5336.0, 5428.0, 5665.0, 5401.0, 5414.0, 5684.0, 5306.0, 5473.0, 5435.0, 5338.0, 5464.0, 5305.0, 5706.0, 5385.0, 5361.0, 5291.0, 5652.0, 5650.0, 5528.0, 5701.0, 5299.0, 5253.0, 5531.0, 5342.0, 5719.0, 5633.0, 5596.0, 5504.0, 5674.0, 5420.0, 5707.0, 5472.0, 5314.0, 5474.0, 5309.0, 5318.0, 5325.0, 5568.0, 5351.0, 5407.0, 5646.0, 5352.0, 5423.0, 5408.0, 5470.0, 5393.0, 5287.0, 5530.0, 5697.0, 5687.0, 5358.0, 5556.0, 5387.0, 5272.0, 5313.0, 5436.0, 5579.0, 5511.0, 5485.0, 5274.0, 5458.0, 5327.0, 5363.0, 5397.0, 5546.0, 5628.0, 5379.0, 5660.0, 5446.0, 5634.0, 5594.0, 5297.0, 5602.0, 5483.0, 5672.0, 5711.0, 5682.0, 5626.0, 5720.0, 5630.0, 5479.0, 5578.0, 5538.0, 5678.0 (number of hits: 2)
12	5520.0	9	1.0	333	1	5304.0, 5477.0, 5264.0, 5508.0, 5431.0, 5461.0, 5601.0, 5506.0, 5697.0, 5327.0, 5269.0, 5291.0, 5668.0, 5359.0, 5250.0, 5507.0, 5634.0, 5378.0, 5522.0, 5555.0, 5441.0, 5521.0, 5268.0, 5336.0, 5421.0, 5374.0, 5312.0, 5711.0, 5658.0, 5305.0, 5277.0, 5629.0, 5489.0, 5702.0, 5564.0, 5651.0, 5354.0, 5649.0, 5262.0, 5386.0, 5423.0, 5311.0, 5482.0, 5631.0, 5297.0, 5259.0, 5464.0, 5592.0, 5408.0, 5282.0, 5306.0, 5492.0, 5614.0, 5510.0, 5288.0, 5460.0, 5606.0, 5377.0, 5676.0, 5545.0,

						5412.0, 5358.0, 5570.0, 5503.0, 5670.0, 5465.0, 5704.0, 5379.0, 5440.0, 5716.0, 5715.0, 5602.0, 5537.0, 5309.0, 5584.0, 5391.0, 5712.0, 5611.0, 5605.0, 5279.0, 5580.0, 5394.0, 5458.0, 5491.0, 5717.0, 5345.0, 5296.0, 5589.0, 5495.0, 5430.0, 5567.0, 5258.0, 5369.0, 5517.0, 5571.0, 5576.0, 5365.0, 5578.0, 5574.0, 5543.0 (number of hits: 3)
13	5520.0	9	1.0	333	1	5552.0, 5682.0, 5385.0, 5508.0, 5276.0, 5676.0, 5380.0, 5702.0, 5494.0, 5357.0, 5533.0, 5689.0, 5355.0, 5645.0, 5565.0, 5419.0, 5509.0, 5662.0, 5479.0, 5421.0, 5707.0, 5475.0, 5418.0, 5413.0, 5525.0, 5660.0, 5679.0, 5577.0, 5482.0, 5367.0, 5574.0, 5386.0, 5391.0, 5389.0, 5687.0, 5443.0, 5381.0, 5493.0, 5666.0, 5441.0, 5445.0, 5303.0, 5550.0, 5566.0, 5318.0, 5407.0, 5547.0, 5416.0, 5712.0, 5410.0, 5332.0, 5362.0, 5713.0, 5352.0, 5473.0, 5555.0, 5513.0, 5454.0, 5335.0, 5528.0, 5607.0, 5656.0, 5612.0, 5636.0, 5330.0, 5657.0, 5444.0, 5708.0, 5715.0, 5514.0, 5328.0, 5297.0, 5522.0, 5507.0, 5438.0, 5425.0, 5279.0, 5457.0, 5690.0, 5721.0, 5423.0, 5563.0, 5486.0, 5466.0, 5673.0, 5465.0, 5253.0, 5536.0, 5435.0, 5685.0, 5717.0, 5534.0, 5323.0, 5618.0, 5300.0, 5543.0, 5315.0, 5304.0, 5324.0, 5285.0 (number of hits: 5)
14	5520.0	9	1.0	333	1	5577.0, 5503.0, 5425.0, 5532.0, 5414.0, 5407.0, 5716.0, 5389.0, 5633.0, 5570.0, 5687.0, 5290.0, 5354.0, 5602.0, 5524.0, 5669.0, 5376.0, 5294.0, 5381.0, 5535.0, 5542.0, 5550.0, 5373.0, 5695.0, 5443.0, 5453.0, 5617.0, 5471.0, 5456.0, 5709.0, 5320.0, 5459.0, 5583.0, 5629.0, 5444.0, 5499.0, 5594.0, 5379.0, 5327.0, 5484.0, 5448.0, 5348.0, 5708.0, 5488.0, 5355.0, 5620.0, 5380.0, 5282.0, 5690.0, 5665.0, 5277.0, 5688.0, 5684.0, 5365.0, 5500.0, 5495.0, 5472.0, 5432.0, 5405.0, 5647.0, 5378.0, 5312.0, 5657.0, 5614.0, 5362.0, 5673.0, 5439.0, 5644.0, 5584.0, 5638.0, 5316.0, 5399.0, 5361.0, 5401.0, 5650.0, 5668.0, 5703.0, 5604.0, 5557.0, 5704.0, 5360.0, 5339.0, 5534.0, 5689.0, 5507.0, 5631.0, 5723.0, 5581.0, 5325.0, 5262.0, 5541.0, 5341.0, 5702.0, 5648.0, 5410.0, 5608.0, 5717.0, 5259.0, 5323.0, 5296.0 (number of hits: 1)
15	5520.0	9	1.0	333	1	5586.0, 5343.0, 5723.0, 5573.0, 5368.0, 5433.0, 5527.0, 5475.0, 5646.0, 5691.0, 5454.0, 5667.0, 5293.0, 5339.0, 5534.0, 5536.0, 5578.0, 5447.0, 5603.0, 5638.0, 5296.0, 5282.0, 5548.0, 5547.0, 5413.0, 5515.0, 5639.0, 5410.0, 5281.0, 5419.0, 5284.0, 5661.0, 5525.0, 5358.0, 5362.0, 5426.0, 5608.0, 5260.0, 5635.0, 5382.0, 5521.0, 5258.0, 5707.0, 5546.0, 5363.0, 5699.0, 5670.0, 5336.0, 5480.0, 5520.0, 5645.0, 5371.0, 5458.0, 5633.0, 5348.0,

						5649.0, 5561.0, 5307.0, 5380.0, 5655.0, 5331.0, 5657.0, 5391.0, 5494.0, 5498.0, 5387.0, 5560.0, 5700.0, 5276.0, 5393.0, 5558.0, 5396.0, 5450.0, 5628.0, 5511.0, 5677.0, 5268.0, 5384.0, 5620.0, 5622.0, 5254.0, 5405.0, 5714.0, 5665.0, 5695.0, 5506.0, 5554.0, 5570.0, 5364.0, 5551.0, 5434.0, 5581.0, 5303.0, 5678.0, 5355.0, 5288.0, 5414.0, 5406.0, 5316.0, 5449.0 (number of hits: 6)
16	5520.0	9	1.0	333	1	5610.0, 5547.0, 5543.0, 5692.0, 5522.0, 5652.0, 5303.0, 5263.0, 5674.0, 5515.0, 5373.0, 5412.0, 5576.0, 5458.0, 5361.0, 5461.0, 5633.0, 5690.0, 5567.0, 5568.0, 5375.0, 5284.0, 5707.0, 5319.0, 5435.0, 5561.0, 5359.0, 5326.0, 5376.0, 5382.0, 5642.0, 5403.0, 5581.0, 5645.0, 5572.0, 5659.0, 5355.0, 5261.0, 5453.0, 5553.0, 5462.0, 5418.0, 5629.0, 5548.0, 5295.0, 5423.0, 5334.0, 5660.0, 5693.0, 5254.0, 5689.0, 5250.0, 5318.0, 5714.0, 5485.0, 5289.0, 5428.0, 5401.0, 5443.0, 5591.0, 5721.0, 5459.0, 5402.0, 5413.0, 5365.0, 5489.0, 5588.0, 5479.0, 5395.0, 5356.0, 5268.0, 5712.0, 5594.0, 5262.0, 5650.0, 5279.0, 5333.0, 5618.0, 5424.0, 5327.0, 5332.0, 5673.0, 5288.0, 5552.0, 5296.0, 5357.0, 5670.0, 5663.0, 5506.0, 5354.0, 5338.0, 5573.0, 5597.0, 5601.0, 5408.0, 5566.0, 5683.0, 5569.0, 5307.0, 5680.0 (number of hits: 2)
17	5520.0	9	1.0	333	1	5676.0, 5652.0, 5550.0, 5251.0, 5682.0, 5408.0, 5370.0, 5538.0, 5374.0, 5718.0, 5543.0, 5710.0, 5330.0, 5405.0, 5372.0, 5465.0, 5450.0, 5279.0, 5700.0, 5347.0, 5551.0, 5493.0, 5520.0, 5477.0, 5274.0, 5256.0, 5472.0, 5304.0, 5705.0, 5301.0, 5378.0, 5392.0, 5666.0, 5311.0, 5435.0, 5382.0, 5321.0, 5698.0, 5341.0, 5453.0, 5586.0, 5464.0, 5352.0, 5690.0, 5569.0, 5673.0, 5511.0, 5357.0, 5292.0, 5686.0, 5545.0, 5509.0, 5685.0, 5255.0, 5605.0, 5327.0, 5581.0, 5420.0, 5335.0, 5639.0, 5350.0, 5707.0, 5447.0, 5590.0, 5278.0, 5559.0, 5643.0, 5649.0, 5498.0, 5433.0, 5719.0, 5699.0, 5592.0, 5358.0, 5558.0, 5480.0, 5650.0, 5250.0, 5574.0, 5512.0, 5613.0, 5585.0, 5368.0, 5257.0, 5578.0, 5398.0, 5658.0, 5396.0, 5402.0, 5671.0, 5316.0, 5414.0, 5259.0, 5549.0, 5572.0, 5253.0, 5371.0, 5505.0, 5701.0, 5579.0 (number of hits: 3)
18	5520.0	9	1.0	333	1	5681.0, 5466.0, 5335.0, 5290.0, 5252.0, 5510.0, 5360.0, 5578.0, 5349.0, 5346.0, 5508.0, 5371.0, 5431.0, 5267.0, 5312.0, 5626.0, 5258.0, 5517.0, 5369.0, 5605.0, 5535.0, 5504.0, 5643.0, 5718.0, 5650.0, 5558.0, 5489.0, 5291.0, 5723.0, 5261.0, 5678.0, 5591.0, 5584.0, 5536.0, 5573.0, 5383.0, 5424.0, 5376.0, 5665.0, 5575.0, 5473.0, 5498.0, 5581.0, 5315.0, 5599.0, 5470.0, 5593.0, 5334.0, 5447.0, 5652.0,

						5662.0, 5641.0, 5343.0, 5701.0, 5708.0, 5675.0, 5451.0, 5572.0, 5414.0, 5338.0, 5336.0, 5554.0, 5339.0, 5515.0, 5308.0, 5666.0, 5545.0, 5433.0, 5690.0, 5437.0, 5272.0, 5422.0, 5386.0, 5713.0, 5632.0, 5540.0, 5552.0, 5548.0, 5387.0, 5396.0, 5355.0, 5614.0, 5330.0, 5507.0, 5400.0, 5394.0, 5370.0, 5410.0, 5423.0, 5676.0, 5347.0, 5707.0, 5443.0, 5411.0, 5653.0, 5546.0, 5702.0, 5603.0, 5439.0, 5351.0 (number of hits: 2)
19	5520.0	9	1.0	333	1	5310.0, 5634.0, 5581.0, 5708.0, 5322.0, 5251.0, 5472.0, 5446.0, 5432.0, 5434.0, 5423.0, 5425.0, 5417.0, 5396.0, 5375.0, 5521.0, 5353.0, 5638.0, 5367.0, 5537.0, 5558.0, 5650.0, 5658.0, 5582.0, 5273.0, 5350.0, 5484.0, 5542.0, 5352.0, 5689.0, 5366.0, 5436.0, 5427.0, 5668.0, 5644.0, 5613.0, 5494.0, 5283.0, 5263.0, 5408.0, 5329.0, 5512.0, 5538.0, 5563.0, 5354.0, 5341.0, 5481.0, 5524.0, 5444.0, 5675.0, 5387.0, 5626.0, 5437.0, 5333.0, 5468.0, 5609.0, 5379.0, 5362.0, 5594.0, 5336.0, 5616.0, 5648.0, 5400.0, 5441.0, 5309.0, 5388.0, 5617.0, 5439.0, 5295.0, 5316.0, 5403.0, 5579.0, 5548.0, 5503.0, 5313.0, 5517.0, 5667.0, 5429.0, 5342.0, 5450.0, 5311.0, 5258.0, 5678.0, 5289.0, 5281.0, 5697.0, 5709.0, 5604.0, 5286.0, 5383.0, 5421.0, 5288.0, 5532.0, 5268.0, 5464.0, 5687.0, 5297.0, 5327.0, 5647.0, 5331.0 (number of hits: 4)
20	5520.0	9	1.0	333	1	5696.0, 5617.0, 5304.0, 5414.0, 5537.0, 5624.0, 5432.0, 5341.0, 5599.0, 5427.0, 5348.0, 5438.0, 5620.0, 5311.0, 5303.0, 5536.0, 5612.0, 5513.0, 5361.0, 5329.0, 5437.0, 5316.0, 5557.0, 5589.0, 5524.0, 5489.0, 5296.0, 5627.0, 5370.0, 5386.0, 5642.0, 5380.0, 5604.0, 5300.0, 5281.0, 5650.0, 5553.0, 5658.0, 5645.0, 5641.0, 5495.0, 5331.0, 5666.0, 5397.0, 5261.0, 5398.0, 5344.0, 5573.0, 5556.0, 5649.0, 5717.0, 5551.0, 5621.0, 5590.0, 5538.0, 5428.0, 5675.0, 5323.0, 5425.0, 5578.0, 5324.0, 5322.0, 5632.0, 5720.0, 5330.0, 5606.0, 5634.0, 5262.0, 5584.0, 5336.0, 5258.0, 5622.0, 5626.0, 5306.0, 5577.0, 5531.0, 5349.0, 5550.0, 5506.0, 5260.0, 5338.0, 5631.0, 5346.0, 5561.0, 5545.0, 5309.0, 5597.0, 5315.0, 5719.0, 5680.0, 5371.0, 5354.0, 5478.0, 5521.0, 5653.0, 5655.0, 5643.0, 5407.0, 5476.0, 5533.0 (number of hits: 3)
21	5520.0	9	1.0	333	1	5263.0, 5682.0, 5568.0, 5704.0, 5301.0, 5326.0, 5314.0, 5424.0, 5357.0, 5339.0, 5653.0, 5267.0, 5397.0, 5264.0, 5556.0, 5458.0, 5680.0, 5528.0, 5560.0, 5270.0, 5349.0, 5671.0, 5679.0, 5701.0, 5602.0, 5344.0, 5321.0, 5403.0, 5589.0, 5380.0, 5388.0, 5430.0, 5275.0, 5537.0, 5316.0, 5527.0, 5296.0, 5476.0, 5295.0, 5696.0, 5405.0, 5354.0, 5311.0, 5513.0, 5502.0,

						5276.0, 5469.0, 5254.0, 5591.0, 5546.0, 5443.0, 5627.0, 5699.0, 5554.0, 5572.0, 5340.0, 5504.0, 5548.0, 5449.0, 5294.0, 5561.0, 5286.0, 5618.0, 5609.0, 5673.0, 5402.0, 5515.0, 5365.0, 5282.0, 5375.0, 5524.0, 5510.0, 5552.0, 5595.0, 5646.0, 5603.0, 5485.0, 5278.0, 5530.0, 5253.0, 5551.0, 5273.0, 5260.0, 5268.0, 5360.0, 5549.0, 5422.0, 5440.0, 5491.0, 5420.0, 5386.0, 5417.0, 5392.0, 5281.0, 5495.0, 5607.0, 5689.0, 5312.0, 5578.0, 5335.0 (number of hits: 5)
22	5520.0	9	1.0	333	1	5697.0, 5580.0, 5719.0, 5582.0, 5525.0, 5285.0, 5443.0, 5610.0, 5625.0, 5644.0, 5520.0, 5698.0, 5674.0, 5574.0, 5590.0, 5669.0, 5643.0, 5623.0, 5655.0, 5681.0, 5712.0, 5594.0, 5466.0, 5460.0, 5611.0, 5667.0, 5549.0, 5708.0, 5351.0, 5262.0, 5724.0, 5464.0, 5715.0, 5355.0, 5424.0, 5363.0, 5586.0, 5472.0, 5558.0, 5270.0, 5639.0, 5253.0, 5338.0, 5432.0, 5393.0, 5622.0, 5278.0, 5723.0, 5478.0, 5687.0, 5717.0, 5589.0, 5385.0, 5566.0, 5322.0, 5530.0, 5584.0, 5411.0, 5642.0, 5409.0, 5664.0, 5352.0, 5677.0, 5541.0, 5699.0, 5406.0, 5345.0, 5494.0, 5646.0, 5654.0, 5529.0, 5427.0, 5415.0, 5318.0, 5413.0, 5670.0, 5457.0, 5408.0, 5295.0, 5357.0, 5454.0, 5616.0, 5381.0, 5720.0, 5545.0, 5304.0, 5506.0, 5328.0, 5559.0, 5397.0, 5634.0, 5718.0, 5308.0, 5557.0, 5312.0, 5468.0, 5451.0, 5599.0, 5492.0, 5569.0 (number of hits: 2)
23	5520.0	9	1.0	333	1	5719.0, 5316.0, 5383.0, 5412.0, 5587.0, 5588.0, 5264.0, 5314.0, 5676.0, 5720.0, 5473.0, 5666.0, 5723.0, 5559.0, 5547.0, 5417.0, 5572.0, 5616.0, 5267.0, 5273.0, 5632.0, 5449.0, 5569.0, 5312.0, 5576.0, 5258.0, 5299.0, 5280.0, 5363.0, 5362.0, 5372.0, 5641.0, 5371.0, 5304.0, 5433.0, 5679.0, 5459.0, 5599.0, 5303.0, 5635.0, 5709.0, 5620.0, 5343.0, 5364.0, 5287.0, 5662.0, 5406.0, 5350.0, 5614.0, 5472.0, 5575.0, 5696.0, 5670.0, 5658.0, 5365.0, 5675.0, 5432.0, 5461.0, 5332.0, 5408.0, 5385.0, 5600.0, 5514.0, 5345.0, 5519.0, 5607.0, 5501.0, 5622.0, 5689.0, 5405.0, 5270.0, 5422.0, 5250.0, 5702.0, 5442.0, 5694.0, 5291.0, 5683.0, 5465.0, 5619.0, 5585.0, 5439.0, 5509.0, 5269.0, 5353.0, 5271.0, 5308.0, 5650.0, 5306.0, 5494.0, 5556.0, 5407.0, 5499.0, 5669.0, 5631.0, 5456.0, 5686.0, 5338.0, 5638.0, 5445.0 (number of hits: 2)
24	5520.0	9	1.0	333	1	5312.0, 5281.0, 5628.0, 5352.0, 5420.0, 5601.0, 5640.0, 5485.0, 5592.0, 5652.0, 5597.0, 5523.0, 5471.0, 5505.0, 5448.0, 5702.0, 5465.0, 5372.0, 5713.0, 5303.0, 5323.0, 5613.0, 5406.0, 5273.0, 5374.0, 5445.0, 5724.0, 5508.0, 5604.0, 5710.0, 5415.0, 5356.0, 5385.0, 5678.0, 5396.0, 5418.0, 5480.0, 5338.0, 5600.0, 5616.0,

						5319.0, 5289.0, 5642.0, 5686.0, 5619.0, 5498.0, 5286.0, 5444.0, 5627.0, 5449.0, 5462.0, 5531.0, 5451.0, 5437.0, 5466.0, 5302.0, 5301.0, 5439.0, 5367.0, 5524.0, 5718.0, 5617.0, 5297.0, 5614.0, 5646.0, 5345.0, 5656.0, 5533.0, 5362.0, 5259.0, 5288.0, 5641.0, 5425.0, 5661.0, 5647.0, 5482.0, 5625.0, 5332.0, 5326.0, 5295.0, 5715.0, 5501.0, 5637.0, 5519.0, 5314.0, 5527.0, 5394.0, 5602.0, 5636.0, 5276.0, 5277.0, 5561.0, 5550.0, 5653.0, 5675.0, 5334.0, 5327.0, 5348.0, 5717.0, 5562.0 (number of hits: 4)
25	5520.0	9	1.0	333	1	5700.0, 5364.0, 5574.0, 5457.0, 5402.0, 5415.0, 5408.0, 5561.0, 5520.0, 5546.0, 5498.0, 5463.0, 5453.0, 5466.0, 5440.0, 5360.0, 5617.0, 5416.0, 5471.0, 5523.0, 5456.0, 5250.0, 5551.0, 5465.0, 5602.0, 5450.0, 5257.0, 5524.0, 5709.0, 5663.0, 5377.0, 5423.0, 5411.0, 5464.0, 5539.0, 5653.0, 5675.0, 5468.0, 5510.0, 5656.0, 5297.0, 5565.0, 5674.0, 5647.0, 5538.0, 5451.0, 5255.0, 5544.0, 5564.0, 5276.0, 5441.0, 5494.0, 5386.0, 5702.0, 5719.0, 5486.0, 5542.0, 5420.0, 5405.0, 5359.0, 5484.0, 5310.0, 5433.0, 5519.0, 5285.0, 5621.0, 5513.0, 5593.0, 5522.0, 5693.0, 5690.0, 5582.0, 5419.0, 5503.0, 5562.0, 5717.0, 5526.0, 5705.0, 5597.0, 5472.0, 5280.0, 5504.0, 5324.0, 5382.0, 5480.0, 5342.0, 5344.0, 5571.0, 5534.0, 5603.0, 5488.0, 5641.0, 5312.0, 5470.0, 5637.0, 5452.0, 5346.0, 5518.0, 5688.0, 5274.0 (number of hits: 8)
26	5520.0	9	1.0	333	1	5301.0, 5652.0, 5411.0, 5626.0, 5601.0, 5319.0, 5314.0, 5708.0, 5350.0, 5384.0, 5674.0, 5445.0, 5401.0, 5419.0, 5504.0, 5269.0, 5547.0, 5628.0, 5525.0, 5606.0, 5409.0, 5617.0, 5542.0, 5537.0, 5575.0, 5276.0, 5263.0, 5662.0, 5361.0, 5258.0, 5324.0, 5645.0, 5611.0, 5553.0, 5596.0, 5578.0, 5636.0, 5723.0, 5349.0, 5691.0, 5584.0, 5523.0, 5598.0, 5532.0, 5517.0, 5651.0, 5714.0, 5568.0, 5439.0, 5682.0, 5260.0, 5406.0, 5399.0, 5497.0, 5338.0, 5577.0, 5383.0, 5280.0, 5526.0, 5369.0, 5519.0, 5647.0, 5643.0, 5484.0, 5545.0, 5360.0, 5551.0, 5368.0, 5329.0, 5299.0, 5345.0, 5318.0, 5599.0, 5562.0, 5608.0, 5498.0, 5685.0, 5475.0, 5274.0, 5391.0, 5400.0, 5632.0, 5272.0, 5680.0, 5378.0, 5381.0, 5555.0, 5353.0, 5569.0, 5591.0, 5257.0, 5533.0, 5259.0, 5615.0, 5704.0, 5700.0, 5332.0, 5508.0, 5722.0, 5462.0 (number of hits: 5)
27	5520.0	9	1.0	333	1	5349.0, 5468.0, 5686.0, 5713.0, 5723.0, 5579.0, 5618.0, 5649.0, 5476.0, 5301.0, 5321.0, 5626.0, 5410.0, 5347.0, 5390.0, 5302.0, 5560.0, 5253.0, 5397.0, 5325.0, 5358.0, 5311.0, 5254.0, 5348.0, 5691.0, 5640.0, 5326.0, 5389.0, 5658.0, 5515.0, 5657.0, 5459.0, 5525.0, 5641.0, 5280.0,

						5483.0, 5304.0, 5600.0, 5251.0, 5305.0, 5420.0, 5279.0, 5538.0, 5409.0, 5716.0, 5611.0, 5395.0, 5484.0, 5701.0, 5669.0, 5642.0, 5654.0, 5688.0, 5340.0, 5426.0, 5676.0, 5373.0, 5324.0, 5400.0, 5504.0, 5632.0, 5492.0, 5537.0, 5268.0, 5580.0, 5672.0, 5644.0, 5303.0, 5334.0, 5518.0, 5588.0, 5416.0, 5262.0, 5298.0, 5487.0, 5469.0, 5281.0, 5519.0, 5516.0, 5542.0, 5605.0, 5361.0, 5513.0, 5522.0, 5684.0, 5589.0, 5458.0, 5646.0, 5294.0, 5291.0, 5645.0, 5529.0, 5271.0, 5333.0, 5344.0, 5535.0, 5681.0, 5332.0, 5524.0, 5539.0 (number of hits: 8)
28	5520.0	9	1.0	333	1	5712.0, 5363.0, 5484.0, 5303.0, 5475.0, 5545.0, 5404.0, 5394.0, 5505.0, 5655.0, 5462.0, 5439.0, 5346.0, 5559.0, 5532.0, 5555.0, 5433.0, 5328.0, 5416.0, 5628.0, 5435.0, 5295.0, 5641.0, 5348.0, 5604.0, 5311.0, 5635.0, 5452.0, 5718.0, 5482.0, 5274.0, 5634.0, 5501.0, 5389.0, 5422.0, 5598.0, 5440.0, 5334.0, 5675.0, 5657.0, 5577.0, 5259.0, 5387.0, 5400.0, 5398.0, 5622.0, 5302.0, 5696.0, 5305.0, 5424.0, 5537.0, 5309.0, 5573.0, 5563.0, 5485.0, 5256.0, 5307.0, 5490.0, 5682.0, 5540.0, 5317.0, 5693.0, 5705.0, 5497.0, 5492.0, 5650.0, 5564.0, 5275.0, 5333.0, 5619.0, 5631.0, 5671.0, 5486.0, 5633.0, 5697.0, 5289.0, 5451.0, 5502.0, 5590.0, 5370.0, 5514.0, 5314.0, 5349.0, 5611.0, 5526.0, 5447.0, 5568.0, 5368.0, 5660.0, 5339.0, 5506.0, 5606.0, 5630.0, 5297.0, 5569.0, 5504.0, 5385.0, 5458.0, 5546.0, 5520.0 (number of hits: 3)
29	5520.0	9	1.0	333	1	5613.0, 5552.0, 5659.0, 5501.0, 5500.0, 5523.0, 5602.0, 5674.0, 5502.0, 5544.0, 5465.0, 5368.0, 5261.0, 5636.0, 5496.0, 5587.0, 5490.0, 5536.0, 5489.0, 5364.0, 5377.0, 5655.0, 5564.0, 5570.0, 5257.0, 5283.0, 5599.0, 5645.0, 5335.0, 5443.0, 5464.0, 5437.0, 5410.0, 5712.0, 5466.0, 5369.0, 5702.0, 5333.0, 5493.0, 5566.0, 5530.0, 5561.0, 5527.0, 5553.0, 5675.0, 5622.0, 5640.0, 5589.0, 5653.0, 5397.0, 5371.0, 5703.0, 5498.0, 5543.0, 5258.0, 5520.0, 5591.0, 5676.0, 5713.0, 5650.0, 5711.0, 5634.0, 5514.0, 5275.0, 5620.0, 5294.0, 5372.0, 5320.0, 5669.0, 5525.0, 5332.0, 5472.0, 5607.0, 5707.0, 5573.0, 5356.0, 5366.0, 5419.0, 5432.0, 5255.0, 5276.0, 5334.0, 5446.0, 5705.0, 5537.0, 5632.0, 5448.0, 5476.0, 5545.0, 5509.0, 5299.0, 5323.0, 5693.0, 5385.0, 5404.0, 5625.0, 5483.0, 5295.0, 5593.0, 5322.0 (number of hits: 5)
30	5520.0	9	1.0	333	1	5639.0, 5416.0, 5548.0, 5365.0, 5537.0, 5694.0, 5343.0, 5410.0, 5313.0, 5300.0, 5718.0, 5259.0, 5293.0, 5265.0, 5452.0, 5269.0, 5706.0, 5719.0, 5419.0, 5676.0, 5297.0, 5687.0, 5682.0, 5671.0, 5316.0, 5438.0, 5396.0, 5376.0, 5504.0, 5255.0,

						5557.0, 5320.0, 5583.0, 5431.0, 5260.0, 5650.0, 5461.0, 5562.0, 5455.0, 5418.0, 5335.0, 5298.0, 5340.0, 5413.0, 5429.0, 5720.0, 5714.0, 5692.0, 5556.0, 5454.0, 5651.0, 5266.0, 5386.0, 5575.0, 5573.0, 5286.0, 5530.0, 5643.0, 5629.0, 5357.0, 5673.0, 5638.0, 5390.0, 5423.0, 5626.0, 5634.0, 5487.0, 5647.0, 5434.0, 5375.0, 5542.0, 5336.0, 5307.0, 5288.0, 5658.0, 5400.0, 5686.0, 5420.0, 5254.0, 5555.0, 5332.0, 5563.0, 5691.0, 5467.0, 5339.0, 5701.0, 5668.0, 5351.0, 5704.0, 5538.0, 5492.0, 5446.0, 5541.0, 5674.0, 5267.0, 5565.0, 5274.0, 5519.0, 5331.0, 5409.0 (number of hits: 1)

Master Mode

5550 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	80.0 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	80.0 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	80%	Pass
Type 5	30	96.7 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

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

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	95	1.0	558	1
2	68	1.0	778	1
3	59	1.0	898	1
4	67	1.0	798	1
5	86	1.0	618	1
6	70	1.0	758	1
7	92	1.0	578	1
8	72	1.0	738	1
9	99	1.0	538	1
10	83	1.0	638	1
11	74	1.0	718	1
12	76	1.0	698	1
13	65	1.0	818	1
14	81	1.0	658	1
15	78	1.0	678	1
16	61	1.0	876	1
17	41	1.0	1318	1
18	22	1.0	2438	1
19	18	1.0	3041	1
20	35	1.0	1543	1
21	66	1.0	809	1
22	39	1.0	1359	1
23	30	1.0	1819	1
24	25	1.0	2123	1
25	18	1.0	2969	1
26	21	1.0	2526	1
27	56	1.0	955	1
28	81	1.0	657	1
29	19	1.0	2781	1
30	18	1.0	2968	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	29	2.9	174	1
2	23	3.5	196	0
3	27	3.3	211	1
4	24	1.6	191	1
5	27	2.8	194	1
6	24	2.0	209	0
7	29	4.3	152	0
8	23	2.0	229	1
9	26	2.8	177	1
10	28	1.8	204	1
11	27	3.3	194	1
12	27	5.0	230	1
13	26	3.2	202	1
14	24	3.6	230	1
15	23	1.9	197	1
16	23	3.7	164	1
17	27	3.1	210	1
18	28	2.2	221	1
19	27	3.3	181	0
20	25	4.9	177	0
21	24	1.5	156	1
22	23	1.0	184	1
23	28	3.8	219	1
24	26	3.9	180	0
25	25	1.1	194	1
26	27	1.8	185	1
27	28	1.1	155	1
28	26	2.0	199	1
29	29	1.0	156	1
30	24	4.9	226	1
Detection Percentage: 80.0 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	6.1	291	1
2	18	9.9	247	1
3	16	6.9	432	1
4	17	7.9	391	1
5	16	8.5	483	1
6	16	6.5	367	0
7	18	6.3	421	1
8	18	9.7	431	1
9	16	6.0	360	1
10	17	9.1	332	1
11	16	7.8	456	1
12	16	7.7	349	1
13	18	7.9	385	1
14	16	9.9	348	1
15	18	9.0	432	1
16	16	6.4	283	1
17	18	8.7	345	1
18	16	7.5	343	1
19	18	9.0	397	1
20	18	6.8	446	1
21	16	9.1	336	1
22	18	7.1	329	1
23	18	7.0	322	0
24	18	9.0	243	1
25	16	9.8	225	0
26	17	9.4	441	0
27	16	7.5	218	1
28	18	8.0	383	1
29	18	9.2	445	1
30	16	6.3	294	0
Detection Percentage: 83.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	16.5	461	1
2	13	19.3	229	1
3	12	18.2	257	0
4	15	18.7	355	1
5	15	15.9	362	1
6	16	18.5	382	1
7	13	19.4	309	1
8	16	12.1	270	1
9	16	11.9	332	0
10	14	16.9	341	1
11	16	15.5	243	1
12	12	11.7	482	1
13	12	19.3	330	1
14	14	13.5	303	1
15	12	16.7	491	0
16	12	16.7	299	1
17	15	13.7	204	1
18	16	15.8	489	1
19	16	12.5	348	0
20	15	18.0	371	1
21	15	14.0	330	0
22	13	15.3	388	1
23	14	14.0	244	1
24	16	16.0	390	1
25	16	18.6	435	1
26	14	11.2	349	0
27	13	11.7	242	1
28	13	12.4	218	1
29	15	17.7	304	1
30	12	13.5	456	1
Detection Percentage: 80.0 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5550	1
2	5550	1
3	5550	1
4	5550	1
5	5550	1
6	5550	1
7	5550	1
8	5550	1
9	5550	1
10	5550	1
11	5536.7	1
12	5535.1	1
13	5535.5	1
14	5537.5	1
15	5536.3	1
16	5535.1	1
17	5539.1	1
18	5537.9	1
19	5539.1	1
20	5537.1	1
21	5564.9	1
22	5562.9	1
23	5566.1	1
24	5565.7	1
25	5562.9	0
26	5565.7	1
27	5564.9	1
28	5560.5	1
29	5563.7	1
30	5564.5	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	86.3	1479		0.349284	1
1	3	7	86.8	1428	1901	1.170522	
2	1	7	62.3			2.372233	
3	1	7	76.1			2.565340	
4	1	7	61.8			3.934221	
5	1	7	63.7			4.184312	
6	1	7	75.8			5.059427	
7	3	7	69.0	1936	1286	5.864852	
8	3	7	56.1	1957	1809	7.188365	
9	1	7	75.6			7.803072	
10	3	7	53.1	1990	1909	8.314494	
11	3	7	58.9	1003	1957	9.459380	
12	2	7	83.7	1979		9.779879	
13	2	7	97.2	1367		10.799841	
14	1	7	78.6			11.939275	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	50.8	1788		0.971659	1
1	2	8	55.3	1685		2.336613	
2	1	8	70.9			2.904359	
3	2	8	77.9	1573		4.006600	
4	2	8	64.0	1367		5.903476	
5	2	8	95.5	1303		7.139416	
6	2	8	54.9	1645		9.073546	
7	2	8	97.3	1345		10.487356	
8	2	8	83.3	1398		11.107957	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	85.2			0.119597	1
1	2	5	77.7	1312		2.353867	
2	2	5	51.3	1659		2.860461	
3	2	5	75.5	1006		4.029892	
4	3	5	85.8	1381	1925	5.042485	
5	2	5	77.3	1867		7.013016	
6	2	5	87.1	1898		7.511600	
7	3	5	78.4	1268	1189	9.274154	
8	2	5	66.2	1358		9.650709	
9	1	5	63.7			11.028461	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	77.7	1311	1452	0.581851	
1	1	12	85.1			1.483013	
2	2	12	90.6	1006		2.008815	
3	2	12	83.4	1816		3.126973	
4	1	12	96.8			3.342963	
5	2	12	78.4	1208		4.139026	
6	1	12	73.8			5.396751	
7	2	12	72.4	1732		5.777556	1
8	2	12	91.9	1393		6.435635	
9	3	12	83.3	1526	1979	7.214903	
10	2	12	89.5	1332		8.612090	
11	3	12	77.8	1027	1138	8.992923	
12	2	12	76.9	1561		9.850689	
13	2	12	75.6	1912		10.518973	
14	1	12	93.2			11.379907	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	60.4	1440	1142	0.273542	1
1	2	11	88.0	1890		1.552410	
2	2	11	98.6	1052		2.168292	
3	2	11	76.1	1098		2.708769	
4	2	11	66.3	1976		3.775676	
5	2	11	52.0	1631		4.574324	
6	3	11	55.7	1485	1939	5.262346	
7	3	11	91.3	1023	1729	6.222189	
8	2	11	80.9	1081		6.874609	
9	2	11	53.8	1198		8.303103	
10	1	11	90.7			8.679628	
11	3	11	52.9	1119	1858	9.687778	
12	3	11	58.9	1638	1941	10.708685	
13	3	11	63.8	1636	1694	11.860867	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	85.7			0.029058	1
1	1	11	59.0			1.416221	
2	1	11	53.6			2.135152	
3	1	11	89.7			3.100976	
4	2	11	75.2	1074		3.633827	
5	2	11	53.3	1242		4.569004	
6	2	11	68.2	1835		5.404875	
7	3	11	68.1	1496	1805	5.705408	
8	2	11	97.5	1706		6.876636	
9	2	11	81.3	1148		7.255443	
10	2	11	75.4	1582		8.485533	
11	2	11	54.5	1358		9.006346	
12	1	11	72.5			10.075896	
13	3	11	57.4	1047	1291	10.419822	
14	1	11	61.4			11.778469	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	54.4	1549		0.344765	
1	2	11	58.4	1511		0.659964	
2	3	11	62.7	1350	1888	1.423813	
3	2	11	55.5	1804		2.084261	
4	2	11	70.9	1315		2.905726	
5	2	11	52.6	1697		3.575820	
6	2	11	50.6	1617		4.245804	
7	2	11	54.4	1714		4.885256	
8	3	11	75.5	1138	1002	5.241309	
9	2	11	74.7	1629		6.290972	1
10	1	11	69.9			6.412894	
11	2	11	94.5	1598		7.115225	
12	3	11	95.3	1208	1277	7.615154	
13	1	11	55.7			8.438059	
14	3	11	87.0	1241	1652	8.896235	
15	2	11	99.3	1980		9.928800	
16	1	11	53.2			10.645944	
17	2	11	73.2	1837		11.111609	
18	1	11	95.4			11.629897	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	57.7	1171		0.937467	1
1	1	15	56.0			1.564462	
2	1	15	92.3			2.723694	
3	2	15	67.3	1879		4.011933	
4	2	15	54.3	1624		5.315540	
5	2	15	70.0	1911		6.768377	
6	3	15	50.1	1167	1862	8.383915	
7	2	15	87.6	1052		9.577897	
8	2	15	67.5	1048		10.672676	
9	1	15	94.3			11.590182	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	92.9	1115		0.484201	
1	2	12	85.4	1218		1.458858	
2	1	12	79.0			3.061091	
3	3	12	68.8	1821	1633	4.966769	
4	1	12	76.1			5.342719	1
5	3	12	98.0	1067	1846	7.010479	
6	3	12	92.1	1093	1342	9.097047	
7	1	12	99.1			10.305096	
8	3	12	68.0	1197	1480	11.933017	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	50.8	1981		0.221612	
1	2	10	83.8	1214		1.924476	
2	2	10	86.5	1939		2.787074	
3	3	10	57.9	1990	1279	3.244065	
4	2	10	59.1	1524		4.344695	
5	3	10	60.0	1040	1419	5.159787	
6	2	10	64.6	1685		6.960175	1
7	2	10	60.5	1215		7.592173	
8	3	10	96.2	1388	1496	8.699089	
9	1	10	54.5			9.355651	
10	3	10	90.4	1414	1836	10.941225	
11	2	10	50.7	1190		11.204880	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	58.8	1517		0.257829	
1	2	13	64.1	1231		1.276607	
2	1	13	74.8			1.902782	
3	2	13	80.6	1076		2.846530	
4	2	13	78.4	1090		3.931863	
5	1	13	87.4			5.252630	
6	2	13	68.6	1305		5.728152	1
7	2	13	90.6	1620		7.276212	
8	2	13	64.0	1002		7.799081	
9	3	13	50.9	1069	1722	8.761702	
10	3	13	86.3	1503	1977	9.707208	
11	2	13	67.6	1358		10.842551	
12	2	13	94.3	1093		11.187286	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	92.4			0.347511	
1	1	9	59.7			0.889588	
2	2	9	81.9	1078		1.518574	
3	2	9	66.9	1454		2.833620	
4	2	9	71.2	1434		3.002850	
5	3	9	82.9	1163	1934	3.933701	
6	2	9	93.1	1307		5.026056	
7	1	9	85.9			5.513240	
8	2	9	85.2	1695		6.275221	1
9	2	9	95.8	1141		7.439599	
10	2	9	61.7	1600		7.801299	
11	3	9	81.0	1988	1054	8.990422	
12	3	9	94.1	1935	1237	9.641741	
13	2	9	85.3	1318		10.353579	
14	1	9	98.9			10.527793	
15	1	9	84.5			11.644409	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	77.8	1912		0.347474	
1	1	10	94.4			1.491658	
2	1	10	52.7			2.214043	
3	3	10	52.2	1308	1709	2.520707	
4	3	10	81.6	1421	1857	3.521713	
5	2	10	68.5	1994		4.408824	
6	2	10	65.3	1956		5.403170	1
7	2	10	92.6	1036		5.986954	
8	2	10	73.1	1894		7.038864	
9	1	10	58.6			7.609487	
10	1	10	51.9			8.605486	
11	3	10	62.1	1102	1881	8.837276	
12	2	10	63.9	1524		9.822413	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	50.0			0.276854	1
1	2	15	65.7	1238		1.187165	
2	3	15	80.4	1299	1501	1.899523	
3	3	15	90.2	1581	1616	2.425215	
4	2	15	77.8	1223		2.700086	
5	2	15	90.9	1133		3.782760	
6	1	15	62.1			4.487565	
7	2	15	72.4	1855		4.914732	
8	1	15	98.7			5.776597	
9	1	15	76.1			6.437042	
10	2	15	93.0	1265		7.201081	
11	3	15	87.6	1891	1489	7.857260	
12	3	15	77.6	1493	1419	8.361737	
13	1	15	53.6			8.722145	
14	1	15	69.0			9.682459	
15	3	15	85.1	1604	1119	10.041277	
16	2	15	91.4	1206		10.993605	
17	1	15	92.0			11.693837	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	77.7	1474		1.061886	
1	1	12	67.1			2.120041	
2	3	12	69.1	1462	1111	3.046253	
3	3	12	60.6	1581	1192	4.253908	
4	2	12	57.1	1142		5.331122	
5	1	12	99.6			5.943365	1
6	2	12	97.1	1258		6.678613	
7	2	12	53.3	1068		8.141045	
8	1	12	84.4			9.488856	
9	3	12	81.0	1059	1925	10.712812	
10	2	12	64.1	1419		11.322864	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	87.4	1030		0.454455	
1	2	9	65.6	1182		0.849639	
2	2	9	74.7	1885		1.912924	
3	2	9	52.1	1632		3.159058	
4	3	9	90.3	1079	1849	3.744985	
5	3	9	77.9	1177	1212	4.407989	
6	2	9	84.2	1443		5.150983	
7	1	9	68.9			6.274839	1
8	2	9	53.8	1291		6.598034	
9	2	9	94.0	1195		7.249959	
10	3	9	59.3	1090	1425	8.492349	
11	2	9	54.7	1823		9.263399	
12	3	9	93.1	1286	1020	10.021854	
13	3	9	88.3	1537	1516	10.886358	
14	1	9	75.3			11.952708	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	66.4	1530		0.621150	1
1	1	19	96.4			1.220627	
2	2	19	99.8	1018		2.081486	
3	1	19	78.7			2.842780	
4	3	19	99.3	1894	1268	3.545009	
5	3	19	80.6	1267	1656	5.098502	
6	2	19	74.8	1727		5.742096	
7	2	19	95.7	1898		6.598229	
8	2	19	74.2	1632		7.699790	
9	2	19	69.7	1287		7.952828	
10	3	19	62.6	1546	1237	8.960221	
11	2	19	60.5	1847		9.985527	
12	2	19	67.0	1661		10.718693	
13	2	19	67.6	1399		11.348738	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	87.3	1318	1069	0.641654	
1	3	16	55.0	1420	1780	1.006937	
2	3	16	64.2	1384	1179	1.969863	
3	1	16	100.0			2.234752	
4	2	16	53.4	1451		3.351133	
5	2	16	87.6	1099		3.946145	
6	2	16	79.8	1093		4.812548	
7	2	16	89.7	1500		5.607626	
8	1	16	60.8			5.883674	1
9	2	16	73.3	1067		6.725532	
10	2	16	74.7	1373		7.211692	
11	2	16	87.5	1809		7.976122	
12	1	16	62.9			9.015820	
13	3	16	79.7	1021	1304	9.268906	
14	1	16	78.2			10.374484	
15	3	16	88.5	1280	1663	11.103350	
16	1	16	95.4			11.699250	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	60.7	1936		0.449531	
1	2	19	93.4	1511		1.566868	
2	3	19	92.3	1758	1817	3.383886	
3	1	19	92.5			5.191797	
4	2	19	58.0	1584		5.942074	1
5	2	19	57.4	1736		7.770520	
6	1	19	81.7			8.083716	
7	1	19	76.5			10.212466	
8	3	19	63.9	1016	1525	11.732566	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	98.0	1396	1650	0.565872	
1	3	14	92.1	1881	1788	0.946020	
2	1	14	94.1			1.738594	
3	3	14	74.3	1146	1148	2.107888	
4	1	14	81.4			2.559990	
5	3	14	78.5	1125	1076	3.047822	
6	1	14	65.6			4.149269	
7	2	14	97.4	1899		4.558992	
8	3	14	95.3	1973	1864	5.109842	
9	1	14	63.6			5.822437	
10	2	14	80.8	1351		6.548996	1
11	3	14	80.9	1322	1399	6.876798	
12	3	14	93.0	1917	1420	7.685439	
13	3	14	68.2	1615	1556	8.211565	
14	2	14	62.9	1956		8.704826	
15	3	14	75.7	1003	1209	9.166317	
16	1	14	67.6			9.915767	
17	3	14	70.9	1148	1403	10.209030	
18	3	14	53.5	1183	1743	11.249557	
19	1	14	80.7			11.979957	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	88.0	1679		0.398937	1
1	1	9	61.2			0.800282	
2	2	9	57.6	1738		1.399269	
3	1	9	63.1			2.597626	
4	2	9	99.3	1570		2.808218	
5	1	9	56.8			3.439514	
6	2	9	99.2	1629		4.565977	
7	2	9	84.3	1793		5.310171	
8	1	9	62.6			5.972048	
9	2	9	63.7	1231		6.080671	
10	3	9	86.3	1939	1322	6.968262	
11	3	9	73.4	1533	1358	7.587082	
12	1	9	97.9			8.214449	
13	3	9	54.5	1049	1780	9.223175	
14	3	9	66.3	1441	1185	9.969830	
15	2	9	96.0	1559		10.018146	
16	2	9	75.5	1685		10.681004	
17	2	9	93.0	1853		11.530127	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	91.9			0.216559	1
1	2	14	97.5	1486		1.638965	
2	2	14	90.5	1326		2.258332	
3	3	14	87.9	1125	1117	2.779246	
4	2	14	73.3	1183		4.136012	
5	3	14	90.6	1040	1672	4.761184	
6	2	14	66.9	1689		5.843992	
7	2	14	66.6	1459		6.843241	
8	1	14	58.7			8.089713	
9	2	14	85.1	1171		8.423656	
10	2	14	90.7	1111		9.384089	
11	2	14	53.3	1085		10.670665	
12	3	14	74.8	1452	1314	11.527940	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	93.0	1769		0.362238	1
1	1	6	79.2			0.769596	
2	2	6	82.7	1325		1.614219	
3	3	6	81.8	1834	1701	2.206067	
4	2	6	85.6	1491		2.728811	
5	1	6	75.2			3.793321	
6	1	6	51.9			4.387377	
7	3	6	69.0	1573	1267	5.009246	
8	3	6	68.0	1157	1624	5.368586	
9	1	6	77.4			6.438558	
10	2	6	72.1	1023		7.070031	
11	2	6	70.9	1792		7.992709	
12	2	6	83.0	1475		8.111209	
13	3	6	61.8	1072	1383	8.868522	
14	2	6	53.3	1519		9.480603	
15	3	6	57.0	1554	1460	10.514415	
16	2	6	71.4	1841		10.819626	
17	2	6	98.5	1421		11.838119	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	56.8	1373		0.572029	
1	1	7	74.7			1.256699	
2	2	7	93.8	1336		2.418781	
3	2	7	52.9	1801		3.288827	
4	2	7	96.1	1286		5.299938	
5	3	7	82.9	1910	1963	6.378379	1
6	1	7	85.3			7.029607	
7	2	7	64.9	1439		8.702305	
8	2	7	90.0	1031		9.099916	
9	2	7	91.7	1561		10.713600	
10	1	7	90.8			11.202028	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	54.6			0.176520	0
1	2	14	73.3	1476		1.028079	
2	1	14	72.3			2.167624	
3	2	14	73.1	1998		2.961324	
4	3	14	88.4	1130	1251	4.200066	
5	3	14	69.3	1597	1851	4.775210	
6	1	14	91.6			5.873468	
7	2	14	82.5	1916		6.649398	
8	1	14	59.8			7.514285	
9	3	14	77.3	1789	1822	8.198425	
10	2	14	50.4	1002		8.628971	
11	3	14	95.1	1992	1725	9.471609	
12	3	14	98.9	1059	1770	11.103195	
13	2	14	76.5	1113		11.182252	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	75.0	1575		0.319400	1
1	1	7	61.5			0.891044	
2	2	7	72.9	1492		1.549441	
3	3	7	53.8	1568	1640	2.231311	
4	3	7	83.1	1299	1907	3.300044	
5	1	7	71.0			3.647113	
6	2	7	65.9	1149		4.626475	
7	3	7	97.7	1677	1423	5.294462	
8	1	7	62.6			5.452017	
9	1	7	94.2			6.509774	
10	1	7	95.9			6.916974	
11	1	7	59.2			7.566740	
12	2	7	61.3	1562		8.485940	
13	2	7	92.1	1752		8.856752	
14	2	7	82.6	1099		9.498099	
15	2	7	77.9	1271		10.513261	
16	1	7	62.9			10.856433	
17	3	7	66.6	1224	1140	11.601662	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	59.2	1114		0.435604	
1	2	9	52.5	1372		0.655264	
2	3	9	92.3	1459	1982	1.640784	
3	3	9	95.0	1113	1415	2.219926	
4	2	9	69.0	1414		2.792883	
5	2	9	81.2	1232		3.199328	
6	2	9	63.1	1863		3.827501	
7	1	9	73.3			4.919375	
8	2	9	80.9	1180		5.246045	
9	2	9	55.7	1105		5.796460	1
10	3	9	83.2	1913	1694	6.632105	
11	2	9	61.9	1795		7.316794	
12	3	9	91.9	1868	1558	7.907852	
13	1	9	79.1			8.794031	
14	2	9	55.1	1921		9.150102	
15	1	9	51.9			9.768302	
16	2	9	72.8	1473		10.213074	
17	2	9	88.4	1695		10.859986	
18	2	9	68.3	1132		11.956220	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	69.9			0.214120	
1	3	20	74.5	1528	1762	2.635590	
2	3	20	79.1	1978	1729	2.955667	
3	2	20	97.6	1769		4.905839	
4	2	20	52.8	1598		6.471946	1
5	2	20	82.0	1372		6.766764	
6	2	20	50.1	1993		8.006218	
7	1	20	88.0			10.587169	
8	1	20	61.1			11.644764	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	92.5	1970		0.127867	1
1	1	12	68.8			1.555456	
2	2	12	51.2	1848		2.621640	
3	2	12	53.7	1477		4.476953	
4	2	12	69.9	1163		5.765866	
5	2	12	80.3	1339		6.628984	
6	2	12	85.5	1618		7.676629	
7	2	12	68.5	1673		8.950858	
8	2	12	92.1	1668		10.429841	
9	2	12	82.7	1476		11.174976	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	99.7	1910		0.868495	1
1	3	10	81.0	1779	1251	2.680637	
2	3	10	66.8	1184	1768	4.181382	
3	2	10	54.6	1548		5.651289	
4	2	10	94.7	1517		6.973043	
5	1	10	81.2			8.962954	
6	2	10	59.5	1301		10.341949	
7	3	10	72.9	1518	1892	11.937057	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5550.0	9	1.0	333	1	5568.0, 5699.0, 5472.0, 5561.0, 5313.0, 5355.0, 5429.0, 5356.0, 5680.0, 5595.0, 5677.0, 5518.0, 5360.0, 5662.0, 5351.0, 5530.0, 5551.0, 5598.0, 5654.0, 5676.0, 5476.0, 5714.0, 5695.0, 5563.0, 5354.0, 5537.0, 5483.0, 5517.0, 5451.0, 5705.0, 5480.0, 5460.0, 5288.0, 5256.0, 5548.0, 5509.0, 5251.0, 5343.0, 5388.0, 5268.0, 5651.0, 5395.0, 5641.0, 5334.0, 5553.0, 5644.0, 5696.0, 5488.0, 5501.0, 5721.0, 5632.0, 5643.0, 5532.0, 5317.0, 5340.0, 5264.0, 5715.0, 5267.0, 5672.0, 5349.0, 5379.0, 5630.0, 5359.0, 5331.0, 5290.0, 5708.0, 5611.0, 5566.0, 5578.0, 5254.0, 5557.0, 5717.0, 5490.0, 5562.0, 5287.0, 5687.0, 5446.0, 5538.0, 5369.0, 5660.0, 5286.0, 5357.0, 5332.0, 5716.0, 5513.0, 5474.0, 5582.0, 5528.0, 5464.0, 5407.0, 5293.0, 5617.0, 5692.0, 5624.0, 5619.0, 5273.0, 5698.0, 5436.0, 5318.0, 5270.0 (number of hits: 11)
2	5550.0	9	1.0	333	1	5519.0, 5320.0, 5483.0, 5337.0, 5563.0, 5489.0, 5648.0, 5394.0, 5370.0, 5383.0, 5319.0, 5429.0, 5290.0, 5556.0, 5496.0, 5256.0, 5715.0, 5377.0, 5572.0, 5673.0, 5581.0, 5451.0, 5645.0, 5464.0, 5379.0, 5513.0, 5658.0, 5672.0, 5359.0, 5321.0, 5474.0, 5459.0, 5669.0, 5691.0, 5469.0, 5448.0, 5682.0, 5701.0, 5709.0, 5534.0, 5600.0, 5543.0, 5349.0, 5401.0, 5587.0, 5419.0, 5452.0, 5565.0, 5546.0, 5657.0, 5426.0, 5619.0, 5571.0, 5305.0, 5357.0, 5620.0, 5407.0, 5267.0, 5631.0, 5376.0, 5346.0, 5273.0, 5360.0, 5434.0, 5281.0, 5642.0, 5476.0, 5532.0, 5298.0, 5697.0, 5526.0, 5510.0, 5492.0, 5313.0, 5560.0, 5537.0, 5475.0, 5449.0, 5345.0, 5334.0, 5662.0, 5282.0, 5303.0, 5626.0, 5686.0, 5525.0, 5311.0, 5568.0, 5493.0, 5352.0, 5358.0, 5488.0, 5603.0, 5425.0, 5508.0, 5463.0, 5374.0, 5602.0, 5444.0, 5479.0 (number of hits: 9)
3	5550.0	9	1.0	333	1	5458.0, 5373.0, 5650.0, 5331.0, 5506.0, 5704.0, 5421.0, 5564.0, 5530.0, 5395.0, 5439.0, 5296.0, 5627.0, 5351.0, 5498.0, 5360.0, 5398.0, 5584.0, 5533.0, 5556.0, 5280.0, 5509.0, 5454.0, 5582.0, 5526.0, 5430.0, 5420.0, 5622.0, 5448.0, 5714.0, 5293.0, 5410.0, 5318.0, 5551.0, 5621.0, 5416.0, 5379.0, 5389.0, 5307.0, 5261.0, 5471.0, 5350.0, 5306.0, 5282.0, 5367.0, 5661.0, 5709.0, 5285.0, 5678.0, 5422.0, 5610.0, 5694.0, 5277.0, 5477.0, 5414.0, 5366.0, 5604.0, 5605.0, 5688.0, 5434.0, 5719.0, 5601.0, 5700.0, 5263.0, 5455.0, 5419.0, 5501.0, 5528.0, 5475.0, 5357.0,

						5342.0, 5720.0, 5326.0, 5490.0, 5567.0, 5450.0, 5403.0, 5324.0, 5314.0, 5402.0, 5292.0, 5447.0, 5633.0, 5397.0, 5710.0, 5531.0, 5651.0, 5315.0, 5672.0, 5268.0, 5558.0, 5568.0, 5550.0, 5298.0, 5370.0, 5693.0, 5548.0, 5583.0, 5562.0, 5538.0 (number of hits: 10)
4	5550.0	9	1.0	333	1	5288.0, 5671.0, 5465.0, 5706.0, 5478.0, 5670.0, 5699.0, 5361.0, 5346.0, 5722.0, 5599.0, 5542.0, 5514.0, 5642.0, 5574.0, 5364.0, 5392.0, 5652.0, 5377.0, 5568.0, 5655.0, 5592.0, 5586.0, 5649.0, 5333.0, 5416.0, 5318.0, 5605.0, 5486.0, 5573.0, 5545.0, 5315.0, 5289.0, 5426.0, 5410.0, 5523.0, 5352.0, 5627.0, 5328.0, 5494.0, 5411.0, 5438.0, 5575.0, 5651.0, 5708.0, 5533.0, 5582.0, 5257.0, 5677.0, 5260.0, 5643.0, 5503.0, 5553.0, 5417.0, 5444.0, 5374.0, 5457.0, 5668.0, 5683.0, 5528.0, 5637.0, 5254.0, 5405.0, 5368.0, 5304.0, 5711.0, 5258.0, 5659.0, 5688.0, 5547.0, 5517.0, 5264.0, 5467.0, 5428.0, 5666.0, 5613.0, 5360.0, 5250.0, 5430.0, 5544.0, 5279.0, 5709.0, 5620.0, 5391.0, 5694.0, 5433.0, 5640.0, 5441.0, 5387.0, 5509.0, 5585.0, 5431.0, 5719.0, 5564.0, 5363.0, 5421.0, 5390.0, 5607.0, 5580.0, 5625.0 (number of hits: 7)
5	5550.0	9	1.0	333	1	5682.0, 5643.0, 5661.0, 5289.0, 5419.0, 5656.0, 5512.0, 5458.0, 5445.0, 5403.0, 5287.0, 5390.0, 5423.0, 5567.0, 5597.0, 5659.0, 5406.0, 5389.0, 5694.0, 5324.0, 5647.0, 5314.0, 5579.0, 5359.0, 5603.0, 5601.0, 5701.0, 5267.0, 5500.0, 5358.0, 5519.0, 5549.0, 5387.0, 5711.0, 5679.0, 5299.0, 5450.0, 5401.0, 5530.0, 5594.0, 5513.0, 5713.0, 5692.0, 5281.0, 5604.0, 5578.0, 5494.0, 5297.0, 5417.0, 5628.0, 5687.0, 5345.0, 5254.0, 5559.0, 5313.0, 5393.0, 5710.0, 5395.0, 5493.0, 5605.0, 5279.0, 5642.0, 5550.0, 5276.0, 5386.0, 5714.0, 5353.0, 5706.0, 5590.0, 5453.0, 5489.0, 5702.0, 5648.0, 5525.0, 5349.0, 5591.0, 5675.0, 5693.0, 5644.0, 5259.0, 5474.0, 5608.0, 5654.0, 5650.0, 5534.0, 5478.0, 5471.0, 5473.0, 5655.0, 5717.0, 5546.0, 5378.0, 5618.0, 5379.0, 5557.0, 5508.0, 5719.0, 5311.0, 5527.0, 5632.0 (number of hits: 7)
6	5550.0	9	1.0	333	1	5371.0, 5381.0, 5633.0, 5358.0, 5640.0, 5607.0, 5265.0, 5670.0, 5368.0, 5612.0, 5312.0, 5336.0, 5515.0, 5425.0, 5563.0, 5346.0, 5328.0, 5719.0, 5339.0, 5485.0, 5408.0, 5565.0, 5664.0, 5363.0, 5532.0, 5688.0, 5523.0, 5446.0, 5403.0, 5270.0, 5286.0, 5687.0, 5262.0, 5493.0, 5430.0, 5349.0, 5536.0, 5637.0, 5611.0, 5460.0, 5385.0, 5541.0, 5644.0, 5414.0, 5436.0, 5276.0, 5441.0, 5542.0, 5632.0, 5439.0, 5395.0, 5491.0, 5497.0, 5451.0, 5521.0, 5344.0, 5648.0, 5680.0, 5401.0, 5587.0, 5487.0, 5525.0, 5649.0, 5591.0, 5375.0,

						5654.0, 5354.0, 5263.0, 5287.0, 5538.0, 5510.0, 5379.0, 5438.0, 5388.0, 5551.0, 5514.0, 5659.0, 5397.0, 5453.0, 5624.0, 5586.0, 5258.0, 5667.0, 5426.0, 5596.0, 5301.0, 5326.0, 5481.0, 5394.0, 5384.0, 5370.0, 5615.0, 5399.0, 5550.0, 5682.0, 5599.0, 5706.0, 5443.0, 5423.0, 5340.0 (number of hits: 9)
7	5550.0	9	1.0	333	1	5321.0, 5466.0, 5707.0, 5552.0, 5580.0, 5408.0, 5702.0, 5331.0, 5678.0, 5275.0, 5406.0, 5721.0, 5651.0, 5619.0, 5688.0, 5670.0, 5476.0, 5399.0, 5369.0, 5431.0, 5363.0, 5526.0, 5364.0, 5257.0, 5668.0, 5644.0, 5265.0, 5422.0, 5487.0, 5692.0, 5287.0, 5637.0, 5366.0, 5542.0, 5356.0, 5362.0, 5424.0, 5620.0, 5703.0, 5469.0, 5602.0, 5490.0, 5273.0, 5658.0, 5412.0, 5337.0, 5498.0, 5609.0, 5516.0, 5677.0, 5338.0, 5682.0, 5704.0, 5306.0, 5514.0, 5560.0, 5622.0, 5382.0, 5276.0, 5708.0, 5607.0, 5403.0, 5500.0, 5471.0, 5581.0, 5599.0, 5380.0, 5629.0, 5504.0, 5351.0, 5426.0, 5335.0, 5267.0, 5357.0, 5262.0, 5301.0, 5328.0, 5603.0, 5330.0, 5611.0, 5296.0, 5589.0, 5594.0, 5393.0, 5568.0, 5494.0, 5570.0, 5349.0, 5512.0, 5525.0, 5486.0, 5346.0, 5370.0, 5456.0, 5313.0, 5383.0, 5497.0, 5673.0, 5579.0, 5559.0 (number of hits: 4)
8	5550.0	9	1.0	333	1	5273.0, 5606.0, 5374.0, 5373.0, 5375.0, 5272.0, 5333.0, 5435.0, 5492.0, 5469.0, 5417.0, 5634.0, 5665.0, 5595.0, 5432.0, 5564.0, 5660.0, 5304.0, 5664.0, 5580.0, 5659.0, 5627.0, 5311.0, 5348.0, 5393.0, 5693.0, 5415.0, 5604.0, 5299.0, 5571.0, 5628.0, 5315.0, 5356.0, 5449.0, 5474.0, 5318.0, 5265.0, 5616.0, 5316.0, 5715.0, 5576.0, 5579.0, 5357.0, 5466.0, 5691.0, 5379.0, 5568.0, 5618.0, 5573.0, 5484.0, 5650.0, 5371.0, 5447.0, 5288.0, 5516.0, 5540.0, 5619.0, 5368.0, 5716.0, 5599.0, 5468.0, 5347.0, 5640.0, 5338.0, 5561.0, 5509.0, 5381.0, 5553.0, 5560.0, 5472.0, 5350.0, 5281.0, 5581.0, 5259.0, 5459.0, 5524.0, 5583.0, 5557.0, 5486.0, 5567.0, 5674.0, 5539.0, 5295.0, 5550.0, 5407.0, 5546.0, 5489.0, 5700.0, 5600.0, 5430.0, 5365.0, 5648.0, 5352.0, 5533.0, 5307.0, 5257.0, 5298.0, 5263.0, 5479.0, 5321.0 (number of hits: 11)
9	5550.0	9	1.0	333	1	5699.0, 5708.0, 5306.0, 5701.0, 5477.0, 5499.0, 5653.0, 5268.0, 5430.0, 5695.0, 5264.0, 5304.0, 5558.0, 5521.0, 5353.0, 5570.0, 5600.0, 5427.0, 5478.0, 5578.0, 5279.0, 5285.0, 5275.0, 5599.0, 5562.0, 5657.0, 5506.0, 5463.0, 5340.0, 5357.0, 5422.0, 5646.0, 5324.0, 5686.0, 5717.0, 5684.0, 5372.0, 5589.0, 5671.0, 5606.0, 5252.0, 5667.0, 5520.0, 5421.0, 5400.0, 5534.0, 5596.0, 5363.0, 5291.0, 5418.0, 5415.0, 5551.0, 5627.0, 5441.0, 5601.0, 5424.0, 5593.0, 5664.0, 5605.0, 5548.0,

						5407.0, 5603.0, 5316.0, 5366.0, 5615.0, 5389.0, 5504.0, 5557.0, 5271.0, 5278.0, 5346.0, 5288.0, 5573.0, 5594.0, 5308.0, 5723.0, 5630.0, 5374.0, 5640.0, 5464.0, 5364.0, 5442.0, 5475.0, 5462.0, 5301.0, 5360.0, 5458.0, 5392.0, 5549.0, 5371.0, 5468.0, 5656.0, 5579.0, 5299.0, 5556.0, 5420.0, 5602.0, 5444.0, 5287.0, 5720.0 (number of hits: 8)
10	5550.0	9	1.0	333	1	5584.0, 5371.0, 5299.0, 5297.0, 5475.0, 5349.0, 5406.0, 5263.0, 5396.0, 5399.0, 5308.0, 5348.0, 5501.0, 5537.0, 5724.0, 5529.0, 5309.0, 5690.0, 5375.0, 5707.0, 5277.0, 5457.0, 5626.0, 5615.0, 5452.0, 5546.0, 5718.0, 5414.0, 5719.0, 5463.0, 5446.0, 5326.0, 5428.0, 5429.0, 5355.0, 5622.0, 5464.0, 5329.0, 5354.0, 5554.0, 5608.0, 5721.0, 5650.0, 5522.0, 5333.0, 5398.0, 5421.0, 5315.0, 5439.0, 5441.0, 5382.0, 5387.0, 5511.0, 5370.0, 5527.0, 5555.0, 5282.0, 5339.0, 5455.0, 5539.0, 5587.0, 5384.0, 5483.0, 5304.0, 5599.0, 5604.0, 5609.0, 5579.0, 5395.0, 5512.0, 5461.0, 5672.0, 5523.0, 5652.0, 5513.0, 5595.0, 5703.0, 5302.0, 5590.0, 5653.0, 5347.0, 5490.0, 5495.0, 5440.0, 5350.0, 5289.0, 5436.0, 5544.0, 5577.0, 5580.0, 5285.0, 5474.0, 5510.0, 5288.0, 5413.0, 5410.0, 5470.0, 5535.0, 5378.0, 5291.0 (number of hits: 7)
11	5550.0	9	1.0	333	1	5551.0, 5305.0, 5338.0, 5372.0, 5541.0, 5539.0, 5716.0, 5701.0, 5284.0, 5593.0, 5299.0, 5690.0, 5482.0, 5509.0, 5403.0, 5615.0, 5573.0, 5317.0, 5401.0, 5712.0, 5333.0, 5266.0, 5632.0, 5717.0, 5308.0, 5436.0, 5622.0, 5555.0, 5426.0, 5327.0, 5343.0, 5366.0, 5706.0, 5524.0, 5293.0, 5457.0, 5607.0, 5348.0, 5617.0, 5361.0, 5614.0, 5281.0, 5521.0, 5363.0, 5609.0, 5535.0, 5452.0, 5603.0, 5386.0, 5582.0, 5300.0, 5331.0, 5669.0, 5409.0, 5692.0, 5433.0, 5432.0, 5394.0, 5723.0, 5322.0, 5330.0, 5430.0, 5523.0, 5417.0, 5574.0, 5578.0, 5316.0, 5365.0, 5474.0, 5635.0, 5633.0, 5384.0, 5485.0, 5464.0, 5304.0, 5253.0, 5459.0, 5586.0, 5644.0, 5404.0, 5260.0, 5408.0, 5283.0, 5475.0, 5682.0, 5268.0, 5676.0, 5558.0, 5630.0, 5526.0, 5397.0, 5597.0, 5595.0, 5399.0, 5498.0, 5507.0, 5620.0, 5693.0, 5667.0, 5654.0 (number of hits: 6)
12	5550.0	9	1.0	333	1	5281.0, 5541.0, 5718.0, 5499.0, 5362.0, 5507.0, 5427.0, 5606.0, 5441.0, 5353.0, 5361.0, 5297.0, 5365.0, 5418.0, 5494.0, 5326.0, 5523.0, 5337.0, 5591.0, 5423.0, 5497.0, 5618.0, 5686.0, 5464.0, 5285.0, 5430.0, 5466.0, 5641.0, 5293.0, 5363.0, 5358.0, 5559.0, 5250.0, 5461.0, 5372.0, 5306.0, 5339.0, 5512.0, 5426.0, 5617.0, 5412.0, 5275.0, 5635.0, 5711.0, 5468.0, 5573.0, 5653.0, 5500.0, 5256.0, 5506.0, 5280.0, 5712.0, 5470.0, 5352.0, 5605.0,

						5495.0, 5351.0, 5321.0, 5457.0, 5557.0, 5631.0, 5501.0, 5614.0, 5513.0, 5647.0, 5453.0, 5434.0, 5349.0, 5592.0, 5408.0, 5255.0, 5407.0, 5425.0, 5320.0, 5324.0, 5675.0, 5697.0, 5695.0, 5312.0, 5669.0, 5332.0, 5666.0, 5252.0, 5270.0, 5396.0, 5615.0, 5528.0, 5652.0, 5558.0, 5487.0, 5451.0, 5514.0, 5629.0, 5399.0, 5302.0, 5295.0, 5677.0, 5406.0, 5516.0, 5327.0 (number of hits: 4)
13	5550.0	9	1.0	333	1	5399.0, 5455.0, 5365.0, 5601.0, 5697.0, 5251.0, 5554.0, 5265.0, 5710.0, 5425.0, 5590.0, 5653.0, 5722.0, 5411.0, 5564.0, 5373.0, 5445.0, 5294.0, 5347.0, 5271.0, 5417.0, 5719.0, 5464.0, 5374.0, 5274.0, 5706.0, 5386.0, 5290.0, 5355.0, 5505.0, 5431.0, 5620.0, 5583.0, 5350.0, 5689.0, 5574.0, 5465.0, 5268.0, 5446.0, 5285.0, 5517.0, 5660.0, 5467.0, 5356.0, 5616.0, 5550.0, 5636.0, 5421.0, 5405.0, 5429.0, 5252.0, 5300.0, 5345.0, 5420.0, 5565.0, 5678.0, 5334.0, 5511.0, 5648.0, 5362.0, 5690.0, 5602.0, 5532.0, 5404.0, 5571.0, 5383.0, 5707.0, 5363.0, 5286.0, 5566.0, 5577.0, 5325.0, 5381.0, 5677.0, 5685.0, 5639.0, 5460.0, 5488.0, 5340.0, 5377.0, 5301.0, 5407.0, 5624.0, 5696.0, 5586.0, 5534.0, 5337.0, 5319.0, 5353.0, 5449.0, 5595.0, 5605.0, 5329.0, 5541.0, 5588.0, 5592.0, 5670.0, 5526.0, 5669.0, 5501.0 (number of hits: 8)
14	5550.0	9	1.0	333	1	5334.0, 5266.0, 5262.0, 5636.0, 5627.0, 5526.0, 5427.0, 5310.0, 5379.0, 5409.0, 5570.0, 5599.0, 5668.0, 5620.0, 5344.0, 5349.0, 5416.0, 5598.0, 5551.0, 5362.0, 5613.0, 5373.0, 5532.0, 5348.0, 5578.0, 5584.0, 5302.0, 5468.0, 5543.0, 5300.0, 5695.0, 5572.0, 5284.0, 5452.0, 5361.0, 5406.0, 5387.0, 5280.0, 5656.0, 5720.0, 5536.0, 5273.0, 5390.0, 5509.0, 5602.0, 5369.0, 5402.0, 5592.0, 5518.0, 5297.0, 5723.0, 5516.0, 5683.0, 5679.0, 5401.0, 5560.0, 5330.0, 5251.0, 5577.0, 5456.0, 5481.0, 5642.0, 5324.0, 5616.0, 5497.0, 5717.0, 5305.0, 5343.0, 5345.0, 5525.0, 5502.0, 5316.0, 5434.0, 5453.0, 5701.0, 5271.0, 5524.0, 5709.0, 5332.0, 5388.0, 5322.0, 5605.0, 5649.0, 5285.0, 5673.0, 5576.0, 5470.0, 5674.0, 5587.0, 5303.0, 5660.0, 5360.0, 5432.0, 5625.0, 5617.0, 5538.0, 5716.0, 5556.0, 5260.0, 5370.0 (number of hits: 7)
15	5550.0	9	1.0	333	1	5723.0, 5655.0, 5257.0, 5553.0, 5475.0, 5660.0, 5558.0, 5380.0, 5337.0, 5425.0, 5521.0, 5583.0, 5433.0, 5434.0, 5706.0, 5504.0, 5281.0, 5277.0, 5709.0, 5339.0, 5582.0, 5367.0, 5376.0, 5405.0, 5307.0, 5676.0, 5268.0, 5657.0, 5494.0, 5501.0, 5431.0, 5580.0, 5535.0, 5251.0, 5689.0, 5260.0, 5608.0, 5649.0, 5343.0, 5669.0, 5500.0, 5323.0, 5446.0, 5663.0, 5391.0, 5538.0, 5424.0, 5288.0, 5643.0, 5551.0,

						5399.0, 5401.0, 5688.0, 5488.0, 5447.0, 5552.0, 5417.0, 5330.0, 5480.0, 5477.0, 5530.0, 5497.0, 5328.0, 5353.0, 5693.0, 5640.0, 5682.0, 5612.0, 5679.0, 5304.0, 5577.0, 5360.0, 5496.0, 5590.0, 5254.0, 5358.0, 5705.0, 5466.0, 5467.0, 5459.0, 5365.0, 5540.0, 5555.0, 5653.0, 5439.0, 5684.0, 5471.0, 5489.0, 5308.0, 5601.0, 5326.0, 5430.0, 5569.0, 5536.0, 5658.0, 5382.0, 5292.0, 5594.0, 5287.0, 5668.0 (number of hits: 9)
16	5550.0	9	1.0	333	1	5312.0, 5262.0, 5472.0, 5404.0, 5394.0, 5670.0, 5620.0, 5336.0, 5682.0, 5516.0, 5572.0, 5579.0, 5270.0, 5640.0, 5383.0, 5272.0, 5631.0, 5386.0, 5598.0, 5327.0, 5627.0, 5535.0, 5491.0, 5267.0, 5614.0, 5356.0, 5309.0, 5295.0, 5678.0, 5705.0, 5708.0, 5582.0, 5508.0, 5434.0, 5346.0, 5578.0, 5382.0, 5374.0, 5622.0, 5324.0, 5558.0, 5316.0, 5406.0, 5398.0, 5350.0, 5542.0, 5411.0, 5470.0, 5279.0, 5533.0, 5711.0, 5305.0, 5706.0, 5259.0, 5339.0, 5355.0, 5654.0, 5509.0, 5527.0, 5553.0, 5543.0, 5278.0, 5460.0, 5430.0, 5504.0, 5320.0, 5493.0, 5633.0, 5478.0, 5556.0, 5585.0, 5325.0, 5311.0, 5303.0, 5258.0, 5539.0, 5297.0, 5675.0, 5368.0, 5369.0, 5499.0, 5681.0, 5329.0, 5612.0, 5638.0, 5630.0, 5618.0, 5641.0, 5422.0, 5440.0, 5446.0, 5487.0, 5642.0, 5719.0, 5376.0, 5549.0, 5672.0, 5501.0, 5523.0, 5718.0 (number of hits: 9)
17	5550.0	9	1.0	333	1	5713.0, 5663.0, 5342.0, 5624.0, 5660.0, 5307.0, 5540.0, 5450.0, 5580.0, 5547.0, 5361.0, 5471.0, 5391.0, 5390.0, 5402.0, 5687.0, 5696.0, 5357.0, 5644.0, 5371.0, 5679.0, 5689.0, 5426.0, 5617.0, 5535.0, 5383.0, 5685.0, 5417.0, 5616.0, 5253.0, 5639.0, 5403.0, 5331.0, 5348.0, 5719.0, 5720.0, 5282.0, 5597.0, 5476.0, 5523.0, 5705.0, 5410.0, 5640.0, 5425.0, 5301.0, 5657.0, 5683.0, 5717.0, 5569.0, 5396.0, 5626.0, 5461.0, 5652.0, 5362.0, 5691.0, 5466.0, 5542.0, 5320.0, 5441.0, 5489.0, 5686.0, 5315.0, 5258.0, 5700.0, 5513.0, 5655.0, 5400.0, 5295.0, 5715.0, 5386.0, 5349.0, 5582.0, 5568.0, 5670.0, 5372.0, 5289.0, 5486.0, 5630.0, 5446.0, 5480.0, 5336.0, 5618.0, 5596.0, 5388.0, 5332.0, 5667.0, 5319.0, 5470.0, 5439.0, 5674.0, 5638.0, 5326.0, 5477.0, 5515.0, 5501.0, 5413.0, 5309.0, 5483.0, 5522.0, 5436.0 (number of hits: 4)
18	5550.0	9	1.0	333	1	5461.0, 5377.0, 5293.0, 5405.0, 5317.0, 5682.0, 5500.0, 5591.0, 5612.0, 5419.0, 5619.0, 5298.0, 5501.0, 5705.0, 5527.0, 5349.0, 5681.0, 5273.0, 5615.0, 5437.0, 5716.0, 5671.0, 5691.0, 5526.0, 5480.0, 5362.0, 5432.0, 5611.0, 5302.0, 5331.0, 5350.0, 5463.0, 5624.0, 5630.0, 5259.0, 5452.0, 5715.0, 5299.0, 5629.0, 5263.0, 5641.0, 5449.0, 5647.0, 5296.0, 5459.0,

						5398.0, 5669.0, 5667.0, 5533.0, 5604.0, 5343.0, 5335.0, 5711.0, 5441.0, 5284.0, 5508.0, 5688.0, 5328.0, 5305.0, 5364.0, 5582.0, 5252.0, 5268.0, 5448.0, 5311.0, 5342.0, 5524.0, 5479.0, 5540.0, 5322.0, 5690.0, 5447.0, 5607.0, 5699.0, 5627.0, 5578.0, 5626.0, 5496.0, 5258.0, 5722.0, 5416.0, 5483.0, 5665.0, 5413.0, 5673.0, 5476.0, 5608.0, 5654.0, 5439.0, 5580.0, 5270.0, 5575.0, 5640.0, 5516.0, 5485.0, 5589.0, 5453.0, 5474.0, 5676.0, 5264.0 (number of hits: 2)
19	5550.0	9	1.0	333	1	5411.0, 5333.0, 5533.0, 5664.0, 5606.0, 5378.0, 5682.0, 5548.0, 5474.0, 5459.0, 5529.0, 5594.0, 5540.0, 5428.0, 5599.0, 5671.0, 5341.0, 5363.0, 5409.0, 5344.0, 5438.0, 5647.0, 5283.0, 5407.0, 5513.0, 5528.0, 5692.0, 5255.0, 5338.0, 5646.0, 5402.0, 5582.0, 5314.0, 5472.0, 5334.0, 5700.0, 5365.0, 5588.0, 5669.0, 5346.0, 5479.0, 5259.0, 5680.0, 5444.0, 5592.0, 5583.0, 5595.0, 5569.0, 5568.0, 5586.0, 5552.0, 5423.0, 5327.0, 5656.0, 5539.0, 5392.0, 5464.0, 5440.0, 5663.0, 5587.0, 5295.0, 5282.0, 5460.0, 5442.0, 5401.0, 5559.0, 5488.0, 5380.0, 5471.0, 5322.0, 5393.0, 5425.0, 5318.0, 5482.0, 5570.0, 5496.0, 5502.0, 5473.0, 5654.0, 5385.0, 5456.0, 5625.0, 5337.0, 5566.0, 5598.0, 5370.0, 5342.0, 5436.0, 5269.0, 5343.0, 5508.0, 5556.0, 5469.0, 5404.0, 5277.0, 5281.0, 5605.0, 5515.0, 5696.0, 5251.0 (number of hits: 8)
20	5550.0	9	1.0	333	1	5531.0, 5573.0, 5322.0, 5460.0, 5671.0, 5569.0, 5487.0, 5346.0, 5496.0, 5467.0, 5476.0, 5610.0, 5642.0, 5429.0, 5286.0, 5348.0, 5395.0, 5639.0, 5714.0, 5424.0, 5592.0, 5281.0, 5488.0, 5666.0, 5627.0, 5507.0, 5556.0, 5654.0, 5451.0, 5598.0, 5378.0, 5423.0, 5584.0, 5313.0, 5602.0, 5495.0, 5337.0, 5299.0, 5550.0, 5274.0, 5624.0, 5288.0, 5498.0, 5419.0, 5514.0, 5425.0, 5302.0, 5371.0, 5586.0, 5438.0, 5700.0, 5344.0, 5622.0, 5256.0, 5606.0, 5509.0, 5468.0, 5403.0, 5683.0, 5581.0, 5484.0, 5587.0, 5698.0, 5529.0, 5521.0, 5394.0, 5692.0, 5296.0, 5391.0, 5351.0, 5379.0, 5661.0, 5644.0, 5609.0, 5524.0, 5472.0, 5570.0, 5266.0, 5280.0, 5447.0, 5691.0, 5567.0, 5503.0, 5563.0, 5475.0, 5629.0, 5510.0, 5500.0, 5452.0, 5658.0, 5600.0, 5506.0, 5331.0, 5473.0, 5669.0, 5421.0, 5474.0, 5710.0, 5342.0, 5439.0 (number of hits: 4)
21	5550.0	9	1.0	333	1	5590.0, 5255.0, 5545.0, 5314.0, 5485.0, 5697.0, 5701.0, 5295.0, 5489.0, 5285.0, 5400.0, 5426.0, 5429.0, 5409.0, 5672.0, 5441.0, 5457.0, 5377.0, 5675.0, 5323.0, 5532.0, 5643.0, 5354.0, 5579.0, 5607.0, 5552.0, 5541.0, 5601.0, 5435.0, 5264.0, 5364.0, 5399.0, 5512.0, 5373.0, 5416.0, 5717.0, 5638.0, 5411.0, 5555.0, 5507.0,

						5670.0, 5664.0, 5467.0, 5313.0, 5647.0, 5481.0, 5644.0, 5296.0, 5325.0, 5586.0, 5465.0, 5559.0, 5317.0, 5542.0, 5294.0, 5652.0, 5428.0, 5562.0, 5388.0, 5332.0, 5563.0, 5338.0, 5273.0, 5350.0, 5571.0, 5646.0, 5522.0, 5402.0, 5531.0, 5283.0, 5686.0, 5637.0, 5521.0, 5677.0, 5271.0, 5671.0, 5470.0, 5645.0, 5406.0, 5656.0, 5371.0, 5606.0, 5502.0, 5274.0, 5252.0, 5412.0, 5668.0, 5367.0, 5583.0, 5482.0, 5711.0, 5361.0, 5585.0, 5560.0, 5698.0, 5523.0, 5398.0, 5589.0, 5685.0, 5363.0 (number of hits: 10)
22	5550.0	9	1.0	333	1	5299.0, 5431.0, 5459.0, 5426.0, 5382.0, 5692.0, 5339.0, 5344.0, 5566.0, 5500.0, 5564.0, 5390.0, 5302.0, 5466.0, 5526.0, 5412.0, 5635.0, 5268.0, 5477.0, 5377.0, 5674.0, 5525.0, 5354.0, 5506.0, 5529.0, 5696.0, 5483.0, 5527.0, 5687.0, 5693.0, 5712.0, 5598.0, 5368.0, 5688.0, 5684.0, 5347.0, 5283.0, 5601.0, 5292.0, 5615.0, 5285.0, 5378.0, 5341.0, 5496.0, 5593.0, 5371.0, 5682.0, 5533.0, 5345.0, 5353.0, 5606.0, 5253.0, 5270.0, 5669.0, 5418.0, 5286.0, 5514.0, 5429.0, 5648.0, 5691.0, 5293.0, 5488.0, 5720.0, 5590.0, 5583.0, 5394.0, 5718.0, 5655.0, 5269.0, 5481.0, 5650.0, 5643.0, 5616.0, 5531.0, 5698.0, 5427.0, 5463.0, 5366.0, 5542.0, 5411.0, 5437.0, 5470.0, 5319.0, 5621.0, 5413.0, 5444.0, 5683.0, 5288.0, 5416.0, 5258.0, 5645.0, 5451.0, 5709.0, 5387.0, 5501.0, 5460.0, 5497.0, 5279.0, 5715.0, 5301.0 (number of hits: 4)
23	5550.0	9	1.0	333	1	5293.0, 5529.0, 5397.0, 5332.0, 5642.0, 5509.0, 5517.0, 5639.0, 5672.0, 5443.0, 5526.0, 5692.0, 5702.0, 5696.0, 5363.0, 5406.0, 5431.0, 5282.0, 5481.0, 5370.0, 5625.0, 5436.0, 5659.0, 5270.0, 5719.0, 5502.0, 5701.0, 5375.0, 5390.0, 5409.0, 5689.0, 5524.0, 5325.0, 5711.0, 5589.0, 5491.0, 5712.0, 5643.0, 5527.0, 5300.0, 5596.0, 5330.0, 5374.0, 5260.0, 5557.0, 5621.0, 5505.0, 5315.0, 5289.0, 5613.0, 5567.0, 5308.0, 5394.0, 5677.0, 5528.0, 5454.0, 5535.0, 5706.0, 5476.0, 5705.0, 5534.0, 5539.0, 5650.0, 5440.0, 5611.0, 5660.0, 5312.0, 5345.0, 5698.0, 5579.0, 5401.0, 5276.0, 5691.0, 5543.0, 5718.0, 5309.0, 5371.0, 5700.0, 5681.0, 5419.0, 5455.0, 5568.0, 5648.0, 5703.0, 5480.0, 5531.0, 5506.0, 5519.0, 5540.0, 5564.0, 5435.0, 5575.0, 5533.0, 5547.0, 5411.0, 5389.0, 5612.0, 5453.0, 5467.0, 5603.0 (number of hits: 10)
24	5550.0	9	1.0	333	1	5398.0, 5679.0, 5451.0, 5329.0, 5320.0, 5672.0, 5577.0, 5589.0, 5568.0, 5254.0, 5583.0, 5673.0, 5266.0, 5279.0, 5552.0, 5300.0, 5370.0, 5399.0, 5262.0, 5686.0, 5655.0, 5654.0, 5501.0, 5422.0, 5642.0, 5656.0, 5545.0, 5342.0, 5691.0, 5494.0, 5677.0, 5340.0, 5374.0, 5546.0, 5310.0,

						5358.0, 5472.0, 5662.0, 5593.0, 5509.0, 5298.0, 5443.0, 5447.0, 5633.0, 5486.0, 5649.0, 5330.0, 5296.0, 5724.0, 5446.0, 5571.0, 5670.0, 5452.0, 5255.0, 5384.0, 5481.0, 5314.0, 5527.0, 5465.0, 5491.0, 5379.0, 5499.0, 5644.0, 5270.0, 5574.0, 5612.0, 5651.0, 5376.0, 5540.0, 5570.0, 5317.0, 5500.0, 5427.0, 5380.0, 5550.0, 5373.0, 5615.0, 5503.0, 5257.0, 5685.0, 5426.0, 5351.0, 5709.0, 5473.0, 5343.0, 5462.0, 5645.0, 5586.0, 5496.0, 5518.0, 5273.0, 5302.0, 5629.0, 5505.0, 5285.0, 5576.0, 5635.0, 5435.0, 5706.0, 5388.0 (number of hits: 5)
25	5550.0	9	1.0	333	1	5354.0, 5338.0, 5365.0, 5467.0, 5439.0, 5618.0, 5624.0, 5347.0, 5401.0, 5603.0, 5471.0, 5556.0, 5455.0, 5616.0, 5707.0, 5451.0, 5586.0, 5283.0, 5336.0, 5525.0, 5415.0, 5667.0, 5694.0, 5570.0, 5258.0, 5636.0, 5375.0, 5641.0, 5294.0, 5676.0, 5627.0, 5512.0, 5575.0, 5407.0, 5410.0, 5502.0, 5356.0, 5352.0, 5576.0, 5596.0, 5717.0, 5720.0, 5260.0, 5357.0, 5430.0, 5340.0, 5473.0, 5287.0, 5506.0, 5318.0, 5554.0, 5526.0, 5718.0, 5520.0, 5503.0, 5549.0, 5344.0, 5286.0, 5544.0, 5468.0, 5648.0, 5449.0, 5537.0, 5619.0, 5307.0, 5257.0, 5353.0, 5669.0, 5253.0, 5442.0, 5308.0, 5304.0, 5712.0, 5590.0, 5265.0, 5408.0, 5522.0, 5478.0, 5301.0, 5709.0, 5333.0, 5703.0, 5276.0, 5668.0, 5315.0, 5602.0, 5559.0, 5705.0, 5566.0, 5278.0, 5548.0, 5681.0, 5532.0, 5383.0, 5426.0, 5303.0, 5617.0, 5489.0, 5691.0, 5662.0 (number of hits: 9)
26	5550.0	9	1.0	333	1	5317.0, 5550.0, 5300.0, 5524.0, 5268.0, 5591.0, 5424.0, 5254.0, 5475.0, 5407.0, 5693.0, 5536.0, 5256.0, 5537.0, 5465.0, 5368.0, 5395.0, 5683.0, 5439.0, 5650.0, 5447.0, 5686.0, 5381.0, 5276.0, 5451.0, 5281.0, 5298.0, 5565.0, 5585.0, 5684.0, 5459.0, 5611.0, 5625.0, 5417.0, 5655.0, 5593.0, 5545.0, 5676.0, 5635.0, 5468.0, 5279.0, 5483.0, 5469.0, 5685.0, 5620.0, 5515.0, 5616.0, 5315.0, 5369.0, 5598.0, 5488.0, 5666.0, 5496.0, 5402.0, 5481.0, 5380.0, 5461.0, 5573.0, 5307.0, 5258.0, 5304.0, 5464.0, 5490.0, 5280.0, 5492.0, 5568.0, 5327.0, 5646.0, 5590.0, 5386.0, 5720.0, 5441.0, 5653.0, 5431.0, 5363.0, 5408.0, 5367.0, 5687.0, 5578.0, 5595.0, 5721.0, 5426.0, 5420.0, 5638.0, 5255.0, 5702.0, 5586.0, 5700.0, 5507.0, 5680.0, 5283.0, 5413.0, 5466.0, 5340.0, 5504.0, 5609.0, 5335.0, 5669.0, 5722.0, 5332.0 (number of hits: 5)
27	5550.0	9	1.0	333	1	5609.0, 5483.0, 5430.0, 5578.0, 5604.0, 5344.0, 5417.0, 5255.0, 5652.0, 5519.0, 5309.0, 5513.0, 5275.0, 5654.0, 5670.0, 5572.0, 5419.0, 5537.0, 5626.0, 5633.0, 5597.0, 5405.0, 5273.0, 5343.0, 5653.0, 5335.0, 5525.0, 5352.0, 5703.0, 5591.0,

						5711.0, 5451.0, 5450.0, 5695.0, 5465.0, 5363.0, 5644.0, 5463.0, 5292.0, 5548.0, 5700.0, 5517.0, 5501.0, 5452.0, 5420.0, 5506.0, 5318.0, 5611.0, 5258.0, 5684.0, 5389.0, 5339.0, 5296.0, 5294.0, 5624.0, 5706.0, 5373.0, 5264.0, 5432.0, 5698.0, 5621.0, 5669.0, 5618.0, 5409.0, 5348.0, 5459.0, 5341.0, 5542.0, 5694.0, 5602.0, 5520.0, 5423.0, 5583.0, 5573.0, 5336.0, 5687.0, 5334.0, 5333.0, 5376.0, 5507.0, 5472.0, 5401.0, 5489.0, 5663.0, 5511.0, 5311.0, 5683.0, 5362.0, 5613.0, 5671.0, 5285.0, 5368.0, 5529.0, 5581.0, 5478.0, 5346.0, 5402.0, 5455.0, 5304.0, 5424.0 (number of hits: 3)
28	5550.0	9	1.0	333	1	5600.0, 5673.0, 5385.0, 5389.0, 5420.0, 5426.0, 5585.0, 5412.0, 5628.0, 5270.0, 5713.0, 5352.0, 5616.0, 5501.0, 5630.0, 5582.0, 5672.0, 5594.0, 5567.0, 5394.0, 5700.0, 5559.0, 5327.0, 5449.0, 5364.0, 5714.0, 5488.0, 5581.0, 5344.0, 5643.0, 5720.0, 5623.0, 5507.0, 5607.0, 5430.0, 5269.0, 5395.0, 5521.0, 5568.0, 5286.0, 5627.0, 5542.0, 5496.0, 5563.0, 5459.0, 5402.0, 5687.0, 5629.0, 5610.0, 5649.0, 5251.0, 5678.0, 5373.0, 5447.0, 5712.0, 5612.0, 5423.0, 5546.0, 5329.0, 5468.0, 5693.0, 5252.0, 5425.0, 5609.0, 5368.0, 5535.0, 5384.0, 5553.0, 5497.0, 5433.0, 5437.0, 5525.0, 5487.0, 5651.0, 5511.0, 5345.0, 5631.0, 5644.0, 5418.0, 5666.0, 5255.0, 5281.0, 5657.0, 5703.0, 5401.0, 5334.0, 5320.0, 5414.0, 5438.0, 5296.0, 5640.0, 5302.0, 5400.0, 5349.0, 5369.0, 5718.0, 5323.0, 5261.0, 5289.0, 5351.0 (number of hits: 7)
29	5550.0	9	1.0	333	1	5592.0, 5622.0, 5551.0, 5317.0, 5606.0, 5584.0, 5698.0, 5519.0, 5400.0, 5423.0, 5471.0, 5488.0, 5542.0, 5532.0, 5651.0, 5266.0, 5697.0, 5554.0, 5300.0, 5373.0, 5323.0, 5560.0, 5680.0, 5637.0, 5363.0, 5446.0, 5349.0, 5701.0, 5422.0, 5426.0, 5390.0, 5356.0, 5463.0, 5583.0, 5275.0, 5535.0, 5555.0, 5318.0, 5708.0, 5507.0, 5365.0, 5589.0, 5404.0, 5643.0, 5287.0, 5527.0, 5253.0, 5293.0, 5478.0, 5491.0, 5445.0, 5641.0, 5330.0, 5700.0, 5514.0, 5572.0, 5632.0, 5579.0, 5475.0, 5537.0, 5686.0, 5283.0, 5414.0, 5567.0, 5441.0, 5571.0, 5611.0, 5691.0, 5370.0, 5355.0, 5615.0, 5280.0, 5473.0, 5477.0, 5282.0, 5573.0, 5646.0, 5601.0, 5546.0, 5497.0, 5657.0, 5616.0, 5638.0, 5277.0, 5447.0, 5486.0, 5454.0, 5493.0, 5342.0, 5411.0, 5566.0, 5460.0, 5470.0, 5511.0, 5640.0, 5661.0, 5655.0, 5557.0, 5436.0, 5722.0 (number of hits: 12)
30	5550.0	9	1.0	333	1	5285.0, 5510.0, 5552.0, 5369.0, 5528.0, 5477.0, 5302.0, 5592.0, 5686.0, 5562.0, 5602.0, 5509.0, 5485.0, 5637.0, 5632.0, 5281.0, 5701.0, 5397.0, 5321.0, 5684.0, 5429.0, 5277.0, 5488.0, 5330.0, 5410.0,

						5446.0, 5356.0, 5437.0, 5383.0, 5496.0, 5665.0, 5588.0, 5638.0, 5648.0, 5624.0, 5439.0, 5342.0, 5695.0, 5529.0, 5451.0, 5690.0, 5519.0, 5258.0, 5596.0, 5463.0, 5629.0, 5476.0, 5513.0, 5449.0, 5663.0, 5328.0, 5618.0, 5661.0, 5711.0, 5388.0, 5380.0, 5329.0, 5360.0, 5631.0, 5554.0, 5398.0, 5546.0, 5343.0, 5607.0, 5411.0, 5598.0, 5569.0, 5454.0, 5591.0, 5322.0, 5666.0, 5568.0, 5576.0, 5634.0, 5641.0, 5675.0, 5282.0, 5338.0, 5279.0, 5597.0, 5681.0, 5518.0, 5304.0, 5567.0, 5616.0, 5677.0, 5493.0, 5459.0, 5296.0, 5303.0, 5530.0, 5619.0, 5505.0, 5688.0, 5359.0, 5367.0, 5706.0, 5703.0, 5623.0, 5536.0 (number of hits: 6)

Client Mode

5520 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	73.3 %	60%	Pass
Type 4	30	80.0 %	60%	Pass
Aggregate (Type1 to 4)	120	81.7 %	80%	Pass
Type 5	30	83.3 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

Note: EUT was also operating in Bridge Mode.
Please refer to the following statistical tables:

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

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	67	1.0	798	1
2	58	1.0	918	1
3	74	1.0	718	1
4	92	1.0	578	1
5	62	1.0	858	1
6	89	1.0	598	1
7	102	1.0	518	1
8	65	1.0	818	1
9	99	1.0	538	1
10	57	1.0	938	1
11	63	1.0	838	1
12	86	1.0	618	1
13	83	1.0	638	1
14	61	1.0	878	1
15	95	1.0	558	1
16	53	1.0	1009	1
17	57	1.0	933	1
18	18	1.0	3010	1
19	21	1.0	2569	1
20	37	1.0	1431	1
21	97	1.0	548	1
22	34	1.0	1596	1
23	66	1.0	805	1
24	19	1.0	2783	1
25	20	1.0	2667	1
26	20	1.0	2734	1
27	23	1.0	2362	1
28	48	1.0	1103	1
29	29	1.0	1830	1
30	35	1.0	1518	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	26	4.0	192	1
2	26	1.0	211	1
3	23	2.7	167	1
4	28	2.2	200	0
5	27	4.0	190	1
6	25	2.7	213	1
7	25	4.9	194	1
8	25	3.3	152	1
9	27	5.0	161	0
10	29	3.8	207	0
11	26	1.4	155	1
12	28	4.1	168	0
13	28	4.9	158	0
14	27	3.3	186	1
15	29	1.0	195	1
16	26	2.8	223	1
17	23	2.4	208	0
18	28	4.1	172	0
19	27	3.0	227	1
20	26	1.6	208	1
21	23	3.6	162	0
22	25	4.8	188	1
23	26	3.6	224	1
24	29	4.7	211	1
25	29	2.5	161	1
26	24	2.6	201	1
27	25	3.3	223	1
28	25	3.8	224	1
29	28	1.3	203	1
30	23	1.2	197	1
Detection Percentage: 73.3% (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	8.0	272	1
2	16	6.5	217	1
3	17	7.1	411	1
4	18	8.7	242	1
5	16	7.6	270	1
6	16	7.6	446	1
7	18	8.1	454	1
8	16	6.7	365	1
9	18	6.8	281	0
10	17	6.6	228	1
11	18	7.5	396	1
12	17	6.9	493	1
13	16	8.6	233	0
14	17	8.0	356	1
15	18	10.0	217	0
16	16	9.7	383	1
17	16	9.4	414	0
18	17	7.1	444	0
19	17	9.7	429	1
20	17	8.9	496	1
21	17	7.1	202	1
22	18	6.2	308	1
23	17	8.9	402	0
24	16	9.2	244	0
25	16	6.6	209	1
26	17	7.9	382	1
27	17	6.2	330	1
28	18	8.6	353	1
29	18	7.9	429	1
30	16	7.6	415	0
Detection Percentage: 73.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	17.0	475	0
2	12	17.9	422	0
3	15	14.8	301	1
4	12	17.1	482	1
5	14	17.3	334	0
6	12	13.7	379	1
7	14	14.9	227	1
8	16	19.5	464	1
9	14	12.8	261	1
10	15	19.1	206	1
11	12	18.8	228	1
12	13	13.1	439	1
13	12	13.0	443	1
14	13	13.7	416	1
15	14	12.6	249	0
16	15	11.1	365	1
17	14	17.9	457	0
18	14	15.0	200	1
19	14	14.8	466	1
20	16	11.8	342	1
21	15	14.7	235	1
22	14	14.6	239	1
23	13	15.4	369	1
24	16	19.8	291	0
25	15	11.5	394	1
26	14	14.8	246	1
27	16	11.1	346	1
28	15	14.9	304	1
29	13	15.9	301	1
30	12	19.2	325	1
Detection Percentage: 80.0 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5520	1
2	5520	1
3	5520	1
4	5520	1
5	5520	1
6	5520	1
7	5520	1
8	5520	1
9	5520	1
10	5520	1
11	5517.0	1
12	5518.2	1
13	5516.2	1
14	5518.2	1
15	5516.6	1
16	5515.4	1
17	5516.2	1
18	5518.2	1
19	5515.8	0
20	5513.0	0
21	5524.6	1
22	5525.0	1
23	5526.6	0
24	5527.0	1
25	5524.6	1
26	5521.8	1
27	5522.2	1
28	5523.0	1
29	5523.4	0
30	5521.4	0
Detection Percentage: 83.3 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	52.3			0.643283	1
1	2	14	69.2	1497		1.275899	
2	1	14	61.6			1.900528	
3	3	14	83.9	1350	1028	2.685028	
4	3	14	88.8	1810	1507	3.982703	
5	2	14	64.5	1059		4.654544	
6	1	14	59.0			4.994552	
7	1	14	99.4			5.730206	
8	1	14	83.6			6.867191	
9	2	14	80.6	1811		7.947783	
10	2	14	96.6	1544		8.609565	
11	2	14	77.2	1907		8.880724	
12	2	14	90.7	1658		9.612371	
13	2	14	50.3	1139		10.590100	
14	2	14	77.3	1046		11.373011	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	92.2	1127		0.765194	
1	3	13	85.5	1566	1329	1.610877	
2	3	13	73.4	1854	1319	2.350804	
3	1	13	92.0			3.285033	
4	1	13	90.9			4.370299	
5	2	13	79.7	1296		5.047928	
6	1	13	98.0			5.925835	1
7	1	13	57.7			6.913113	
8	2	13	57.9	1995		7.846937	
9	2	13	87.2	1924		9.015138	
10	1	13	88.5			9.603276	
11	3	13	60.3	1636	1249	11.036129	
12	2	13	57.7	1917		11.392840	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	92.3			0.760908	1
1	2	7	52.0	1789		1.530945	
2	3	7	90.7	1382	1252	1.975649	
3	3	7	59.0	1840	1374	2.783978	
4	1	7	69.9			4.163447	
5	2	7	59.5	1922		4.957629	
6	3	7	68.8	1553	1435	5.646519	
7	3	7	77.2	1595	1513	6.803783	
8	3	7	67.6	1526	1985	7.678698	
9	2	7	59.6	1917		8.984973	
10	2	7	59.3	1402		9.310791	
11	2	7	80.0	1081		11.047991	
12	1	7	79.5			11.550576	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	93.4	1299	1887	0.513557	1
1	1	10	97.6			1.158493	
2	3	10	84.1	1596	1707	2.748954	
3	2	10	87.6	1464		3.387558	
4	3	10	86.8	1848	1787	5.410832	
5	1	10	53.5			5.975259	
6	1	10	73.5			6.927282	
7	2	10	73.3	1067		8.147389	
8	2	10	66.3	1997		9.725869	
9	2	10	78.4	1917		10.017559	
10	3	10	96.3	1071	1487	11.120326	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	75.8	1869	1901	0.134211	
1	1	7	90.2			1.487236	
2	2	7	85.7	1483		2.670044	
3	2	7	92.7	1954		3.250481	
4	3	7	71.2	1094	1425	3.851606	
5	3	7	81.5	1430	1569	4.896924	
6	2	7	80.4	1242		6.189755	1
7	3	7	65.5	1977	1948	7.056916	
8	2	7	89.9	1575		7.976733	
9	1	7	70.3			8.833239	
10	2	7	91.9	1801		9.506503	
11	2	7	80.0	1114		10.948716	
12	2	7	96.3	1289		11.877724	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	81.5	1269		0.189625	
1	2	11	88.6	1499		1.190247	
2	3	11	70.1	1423	1394	1.325671	
3	2	11	82.2	1616		2.497194	
4	2	11	77.7	1352		2.623786	
5	3	11	85.8	1907	1331	3.533377	
6	2	11	81.7	1480		3.803155	
7	2	11	74.7	1953		4.628824	
8	2	11	59.8	1117		5.355113	
9	2	11	58.1	1293		6.079443	1
10	1	11	53.0			6.366811	
11	2	11	62.9	1236		7.139433	
12	2	11	95.8	1709		7.977981	
13	1	11	53.3			8.667890	
14	1	11	90.7			9.239361	
15	2	11	91.1	1887		10.098371	
16	2	11	72.9	1197		10.288353	
17	1	11	54.0			10.965924	
18	2	11	80.2	1164		11.374842	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	90.5	1531	1329	1.265512	
1	1	14	73.8			1.633316	
2	1	14	64.0			3.166603	
3	3	14	52.5	1103	1660	4.709701	
4	2	14	54.3	1741		5.690111	1
5	2	14	53.5	1466		7.085484	
6	2	14	67.2	1043		8.759216	
7	1	14	98.3			10.158985	
8	3	14	51.7	1826	1778	11.148190	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	97.1	1643		0.148052	
1	2	8	70.4	1313		0.932620	
2	2	8	52.1	1727		1.655114	
3	3	8	62.9	1931	1448	2.782372	
4	1	8	82.5			3.501606	
5	3	8	77.0	1767	1287	4.321723	
6	2	8	82.6	1503		4.876522	
7	1	8	81.5			6.182435	1
8	1	8	90.1			6.607511	
9	1	8	56.7			7.425240	
10	2	8	99.5	1430		8.359311	
11	3	8	71.9	1380	1962	8.860742	
12	3	8	70.3	1344	1462	10.242508	
13	2	8	56.3	1324		10.936661	
14	1	8	89.0			11.925766	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	96.6			0.735656	
1	2	12	83.1	1468		1.388490	
2	2	12	54.8	1276		2.128762	
3	2	12	93.4	1881		2.970978	
4	2	12	97.0	1155		3.755992	
5	3	12	70.7	1997	1915	4.484877	
6	3	12	68.1	1682	1512	5.295438	
7	3	12	82.3	1214	1831	6.211874	1
8	2	12	67.4	1873		6.902005	
9	3	12	86.7	1782	1774	7.850351	
10	3	12	86.2	1328	1252	8.477848	
11	2	12	67.8	1688		8.858178	
12	1	12	89.6			10.129079	
13	2	12	79.2	1022		10.786196	
14	1	12	86.3			11.366039	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	83.3			0.490377	
1	1	12	72.5			0.837645	
2	3	12	77.4	1986	1615	1.404200	
3	2	12	67.5	1594		2.430650	
4	1	12	64.3			3.004187	
5	2	12	55.2	1821		3.643336	
6	2	12	57.5	1366		4.381772	
7	1	12	62.4			4.974423	
8	2	12	56.6	1522		5.068929	
9	3	12	56.8	1076	1809	5.936096	1
10	3	12	96.0	1162	1620	6.664742	
11	1	12	89.2			7.039118	
12	2	12	79.1	1373		7.943656	
13	1	12	72.6			8.734894	
14	2	12	58.7	1910		9.411641	
15	2	12	60.2	1511		9.934661	
16	3	12	53.3	1922	1615	10.658422	
17	3	12	78.5	1968	1704	11.098613	
18	2	12	51.5	1823		11.967741	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	83.0	1839		0.358218	
1	2	15	91.9	1806		1.120419	
2	2	15	61.1	1596		2.076590	
3	2	15	63.2	1803		2.735609	
4	2	15	64.2	1194		3.907700	
5	1	15	56.6			4.799823	
6	2	15	66.3	1942		5.872830	
7	3	15	61.0	1593	1569	6.453171	1
8	2	15	67.0	1396		7.262160	
9	2	15	81.6	1845		8.396747	
10	3	15	56.9	1119	1434	8.924559	
11	1	15	67.3			9.550282	
12	1	15	62.6			10.630461	
13	2	15	73.0	1037		11.371285	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	92.2	1890		0.491928	1
1	1	18	53.5			0.751426	
2	2	18	62.3	1253		1.546611	
3	2	18	94.8	1067		2.270484	
4	3	18	60.4	1036	1107	2.907953	
5	2	18	79.1	1508		3.473482	
6	2	18	90.9	1813		3.739803	
7	3	18	56.3	1999	1658	4.727196	
8	1	18	73.1			5.377146	
9	2	18	76.9	1254		5.675411	
10	1	18	66.5			6.235816	
11	2	18	77.6	1783		6.753901	
12	3	18	79.5	1636	1627	7.369233	
13	1	18	87.0			7.998835	
14	2	18	57.4	1674		8.791485	
15	3	18	53.6	1118	1215	9.369415	
16	1	18	92.1			9.778119	
17	1	18	65.1			10.775678	
18	2	18	72.8	1228		10.880335	
19	2	18	83.2	1528		11.594136	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	93.7	1150		0.148898	1
1	2	13	80.3	1270		1.429336	
2	1	13	78.6			1.822255	
3	3	13	79.6	1430	1579	2.626046	
4	1	13	64.6			4.271237	
5	2	13	61.9	1663		4.286187	
6	2	13	82.4	1880		5.458714	
7	2	13	88.9	1743		6.055489	
8	1	13	74.6			7.114221	
9	3	13	52.1	1347	1268	7.777869	
10	2	13	52.3	1610		9.303496	
11	1	13	90.1			9.516575	
12	2	13	77.0	1882		10.315685	
13	1	13	90.6			11.845123	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	74.1	1158	1039	1.036679	1
1	3	18	96.9	1693	1393	1.246221	
2	1	18	95.8			2.558815	
3	2	18	72.5	1661		4.493254	
4	1	18	68.4			5.163850	
5	1	18	79.0			6.967984	
6	2	18	68.7	1837		7.413932	
7	2	18	58.5	1923		8.547994	
8	1	18	79.2			10.766579	
9	2	18	85.1	1994		11.209883	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	97.4	1656		0.138546	1
1	2	14	79.3	1047		1.311330	
2	2	14	58.4	1487		1.552642	
3	2	14	92.1	1502		2.401323	
4	3	14	77.0	1787	1272	3.161530	
5	3	14	64.9	1991	1850	3.706387	
6	2	14	99.9	1727		4.232035	
7	2	14	63.6	1026		5.219760	
8	1	14	84.1			5.854541	
9	2	14	62.4	1134		6.608492	
10	3	14	65.8	1471	1335	6.845935	
11	2	14	62.1	1604		7.333626	
12	2	14	60.7	1698		8.634916	
13	1	14	96.4			9.212754	
14	2	14	54.1	1334		9.446815	
15	2	14	68.7	1985		10.409035	
16	3	14	52.3	1315	1116	11.292690	
17	2	14	73.9	1780		11.368751	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	98.1	1931		0.600992	1
1	2	11	58.8	1602		2.103325	
2	3	11	68.9	1841	1288	3.341900	
3	3	11	64.0	1103	1324	4.179764	
4	3	11	98.9	1805	1196	5.363576	
5	3	11	58.4	1551	1135	6.915517	
6	3	11	83.6	1184	1018	7.370109	
7	1	11	79.5			8.855064	
8	2	11	69.2	1235		10.441434	
9	2	11	81.3	1527		11.827173	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	61.0			0.310750	1
1	1	13	66.6			1.085430	
2	3	13	65.2	1504	1254	2.079443	
3	1	13	51.0			2.460337	
4	1	13	81.7			3.638410	
5	1	13	63.6			3.861365	
6	3	13	87.6	1614	1189	5.129144	
7	2	13	63.0	1926		5.545299	
8	2	13	76.7	1423		6.381651	
9	1	13	52.9			7.024690	
10	2	13	82.9	1251		7.698465	
11	2	13	68.0	1589		8.620130	
12	3	13	80.7	1059	1214	9.732906	
13	3	13	77.2	1398	1208	9.933840	
14	3	13	79.5	1295	1034	10.507665	
15	2	13	76.3	1840		11.890393	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	62.8	1702	1604	0.391908	1
1	3	18	87.6	1396	1429	1.152817	
2	1	18	83.3			1.439193	
3	2	18	82.6	1497		2.531866	
4	2	18	66.3	1260		3.044928	
5	1	18	88.9			3.646486	
6	1	18	90.6			4.279104	
7	3	18	97.9	1351	1184	4.964463	
8	1	18	59.0			5.651730	
9	1	18	50.3			6.234445	
10	2	18	76.5	1042		7.301677	
11	3	18	82.3	1518	1606	7.557654	
12	3	18	97.0	1120	1609	8.649762	
13	3	18	59.2	1609	1175	8.992939	
14	1	18	73.8			9.487017	
15	1	18	68.5			10.501768	
16	2	18	71.4	1217		10.737977	
17	3	18	53.4	1442	1051	11.563429	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	53.3	1788		0.056581	0
1	3	12	86.8	1614	1651	1.525733	
2	3	12	81.8	1249	1817	2.057772	
3	1	12	62.2			2.882954	
4	3	12	66.6	1035	1014	4.256474	
5	3	12	93.0	1080	1665	5.026343	
6	2	12	85.0	1758		5.677068	
7	2	12	77.8	1960		6.636690	
8	3	12	79.4	1180	1422	7.527094	
9	2	12	83.5	1268		9.217537	
10	3	12	81.4	1413	1630	9.478744	
11	2	12	56.1	1216		10.565899	
12	1	12	54.6			11.737665	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	73.3	1603		0.693103	
1	2	5	97.7	1379		1.801779	
2	3	5	56.3	1814	1833	3.049708	
3	1	5	52.8			4.268264	
4	2	5	94.1	1266		6.297240	0
5	2	5	57.5	1569		7.120331	
6	3	5	80.0	1272	1361	8.890607	
7	2	5	50.2	1566		9.670124	
8	2	5	62.4	1841		10.838002	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	52.4	1862		0.377741	
1	1	11	98.0			0.969794	
2	2	11	98.1	1734		1.963391	
3	2	11	83.2	1252		2.388581	
4	1	11	62.6			2.704824	
5	3	11	97.1	1598	1804	3.598063	
6	3	11	71.8	1858	1887	4.577586	
7	1	11	78.8			4.885804	
8	3	11	94.0	1645	1802	5.901126	
9	3	11	80.0	1827	1488	6.230030	1
10	2	11	76.1	1444		7.123113	
11	2	11	94.5	1363		7.555671	
12	2	11	67.1	1106		8.657897	
13	2	11	76.1	1475		9.053996	
14	1	11	80.9			9.738483	
15	3	11	88.4	1973	1553	10.402552	
16	3	11	77.8	1141	1295	10.731283	
17	2	11	89.5	1505		11.981489	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	99.6			0.132648	1
1	2	10	73.1	1543		1.073915	
2	2	10	59.6	1872		1.558068	
3	3	10	51.8	1400	1031	2.162499	
4	2	10	51.6	1365		3.112179	
5	2	10	86.9	1037		3.439627	
6	1	10	55.5			4.505681	
7	2	10	95.5	1545		5.327181	
8	3	10	54.0	1886	1713	5.663489	
9	2	10	67.2	1648		6.062005	
10	2	10	60.9	1332		6.955619	
11	3	10	77.1	1479	1672	7.383323	
12	1	10	89.4			8.225396	
13	1	10	95.6			8.975547	
14	1	10	72.2			9.761089	
15	1	10	82.8			10.303169	
16	2	10	63.1	1388		10.805229	
17	3	10	93.0	1274	1917	11.469189	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	82.0			0.703081	0
1	1	6	96.3			1.337465	
2	3	6	85.0	1490	1495	1.671449	
3	3	6	58.5	1137	1096	2.672680	
4	2	6	70.0	1681		3.792493	
5	3	6	91.3	1666	1035	4.714965	
6	1	6	80.5			4.801726	
7	1	6	97.4			5.830305	
8	2	6	59.9	1180		7.077407	
9	1	6	95.5			7.201838	
10	3	6	87.9	1394	1095	8.037726	
11	2	6	89.6	1534		9.440079	
12	1	6	72.9			9.981576	
13	2	6	71.5	1410		10.757094	
14	3	6	87.2	1096	1846	11.787432	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	73.3	1321		0.761048	1
1	3	5	75.4	1356	1417	1.664795	
2	1	5	62.1			2.289311	
3	1	5	87.0			3.390742	
4	1	5	77.1			4.429756	
5	2	5	69.6	1501		4.701668	
6	2	5	66.4	1024		5.910281	
7	2	5	76.0	1197		6.927982	
8	2	5	56.0	1155		8.035370	
9	1	5	67.9			8.629451	
10	1	5	59.7			9.421825	
11	2	5	57.2	1966		10.262912	
12	2	5	58.1	1518		11.786347	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	78.9			0.382382	
1	2	11	74.1	1812		1.060116	
2	3	11	77.7	1842	1834	2.057869	
3	1	11	51.0			2.522623	
4	3	11	62.1	1982	1352	3.497428	
5	1	11	83.0			4.609824	
6	2	11	56.6	1659		4.860764	
7	2	11	89.9	1088		5.826713	1
8	2	11	67.4	1807		6.442312	
9	2	11	78.8	1785		7.944275	
10	2	11	73.7	1957		8.109798	
11	3	11	73.0	1856	1013	9.590228	
12	2	11	93.0	1074		9.606310	
13	3	11	63.2	1513	1268	10.758728	
14	1	11	70.2			11.995528	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	79.0			0.311575	
1	3	18	65.3	1055	1722	0.757447	
2	2	18	59.7	1291		1.483112	
3	3	18	72.7	1891	1800	1.961411	
4	2	18	93.9	1364		2.567900	
5	2	18	96.5	1666		3.753600	
6	1	18	56.3			4.343990	
7	1	18	63.6			4.745012	
8	2	18	50.7	1655		5.626002	
9	2	18	78.5	1203		6.213492	1
10	2	18	86.7	1775		6.558188	
11	2	18	57.7	1907		7.431019	
12	2	18	82.1	1937		7.620870	
13	1	18	77.0			8.767553	
14	1	18	83.8			9.210531	
15	2	18	81.2	1802		9.530234	
16	3	18	60.7	1792	1551	10.713428	
17	2	18	80.9	1402		11.177395	
18	2	18	71.5	1132		11.988930	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	89.3	1399		0.691784	
1	2	17	73.4	1485		1.151467	
2	2	17	50.9	1444		2.097865	
3	2	17	77.7	1430		3.808890	
4	2	17	72.3	1081		4.327584	
5	1	17	56.8			5.588453	
6	1	17	84.8			6.542662	1
7	2	17	50.8	1160		7.261782	
8	1	17	86.3			8.615629	
9	1	17	57.2			9.633861	
10	3	17	87.3	1341	1208	10.098983	
11	2	17	59.8	1327		11.662135	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	59.0	1536		0.631687	1
1	2	15	70.4	1366		1.650946	
2	1	15	82.5			2.757449	
3	1	15	99.8			3.827181	
4	1	15	54.8			4.775533	
5	2	15	88.0	1321		5.574454	
6	2	15	55.7	1552		6.307641	
7	2	15	81.4	1958		7.386131	
8	1	15	92.8			8.258355	
9	2	15	51.2	1436		9.785788	
10	2	15	60.2	1200		10.144745	
11	2	15	62.0	1147		11.937595	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	57.8	1874		0.401664	0
1	2	14	58.8	1619		1.742674	
2	2	14	93.6	1222		2.617117	
3	3	14	85.3	1324	1918	4.066978	
4	1	14	85.2			4.925414	
5	2	14	77.8	1135		7.028685	
6	3	14	55.8	1514	1806	8.202712	
7	2	14	95.1	1781		8.564819	
8	1	14	64.3			10.777003	
9	3	14	57.7	1274	1047	11.272514	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	90.9	1200		0.978479	0
1	1	19	89.1			1.889004	
2	3	19	66.8	1882	1386	2.898569	
3	1	19	91.4			4.160980	
4	2	19	98.8	1479		5.118735	
5	2	19	59.0	1256		6.980907	
6	2	19	51.7	1031		7.834644	
7	3	19	50.6	1545	1569	8.683296	
8	2	19	52.3	1724		10.784612	
9	2	19	99.5	1111		11.059505	

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	5520.0	9	1.0	333	1	5698.0, 5385.0, 5526.0, 5453.0, 5390.0, 5494.0, 5378.0, 5379.0, 5473.0, 5638.0, 5438.0, 5640.0, 5403.0, 5476.0, 5714.0, 5646.0, 5503.0, 5444.0, 5324.0, 5623.0, 5600.0, 5596.0, 5372.0, 5584.0, 5487.0, 5593.0, 5356.0, 5559.0, 5376.0, 5340.0, 5424.0, 5311.0, 5439.0, 5694.0, 5381.0, 5332.0, 5522.0, 5641.0, 5428.0, 5639.0, 5295.0, 5699.0, 5724.0, 5361.0, 5375.0, 5547.0, 5404.0, 5501.0, 5279.0, 5491.0, 5688.0, 5581.0, 5369.0, 5289.0, 5663.0, 5475.0, 5525.0, 5537.0, 5399.0, 5320.0, 5711.0, 5255.0, 5582.0, 5414.0, 5655.0, 5274.0, 5570.0, 5523.0, 5597.0, 5705.0, 5558.0, 5519.0, 5253.0, 5656.0, 5309.0, 5287.0, 5452.0, 5272.0, 5268.0, 5719.0, 5472.0, 5679.0, 5516.0, 5371.0, 5420.0, 5554.0, 5485.0, 5712.0, 5691.0, 5300.0, 5629.0, 5555.0, 5715.0, 5720.0, 5585.0, 5479.0, 5383.0, 5684.0, 5618.0, 5486.0 (number of hits: 6)
2	5520.0	9	1.0	333	1	5403.0, 5329.0, 5461.0, 5448.0, 5447.0, 5652.0, 5605.0, 5477.0, 5654.0, 5694.0, 5285.0, 5473.0, 5556.0, 5434.0, 5257.0, 5378.0, 5428.0, 5634.0, 5427.0, 5315.0, 5297.0, 5493.0, 5533.0, 5570.0, 5523.0, 5511.0, 5411.0, 5405.0, 5387.0, 5412.0, 5311.0, 5367.0, 5682.0, 5720.0, 5696.0, 5665.0, 5288.0, 5435.0, 5721.0, 5526.0, 5460.0, 5389.0, 5571.0, 5622.0, 5423.0, 5714.0, 5291.0, 5290.0, 5705.0, 5672.0, 5592.0, 5616.0, 5488.0, 5295.0, 5322.0, 5512.0, 5394.0, 5328.0, 5563.0, 5377.0, 5520.0, 5583.0, 5309.0, 5476.0, 5561.0, 5639.0, 5468.0, 5336.0, 5684.0, 5522.0, 5365.0, 5496.0, 5529.0, 5549.0, 5572.0, 5270.0, 5701.0, 5633.0, 5371.0, 5396.0, 5332.0, 5608.0, 5562.0, 5298.0, 5370.0, 5500.0, 5368.0, 5659.0, 5302.0, 5693.0, 5385.0, 5669.0, 5671.0, 5601.0, 5351.0, 5501.0, 5395.0, 5399.0, 5454.0, 5577.0 (number of hits: 6)
3	5520.0	9	1.0	333	1	5639.0, 5700.0, 5598.0, 5570.0, 5717.0, 5322.0, 5355.0, 5390.0, 5425.0, 5305.0, 5563.0, 5380.0, 5694.0, 5666.0, 5356.0, 5408.0, 5324.0, 5329.0, 5495.0, 5569.0, 5251.0, 5308.0, 5558.0, 5331.0, 5613.0, 5466.0, 5562.0, 5482.0, 5287.0, 5319.0, 5363.0, 5432.0, 5515.0, 5487.0, 5379.0, 5461.0, 5516.0, 5412.0, 5266.0, 5426.0, 5342.0, 5629.0, 5413.0, 5642.0, 5702.0, 5311.0, 5607.0, 5381.0, 5604.0, 5284.0, 5290.0, 5414.0, 5275.0, 5630.0, 5669.0, 5519.0, 5683.0, 5664.0, 5445.0, 5361.0, 5436.0, 5289.0, 5561.0, 5635.0, 5468.0, 5591.0, 5530.0, 5394.0, 5631.0, 5286.0,

						5253.0, 5600.0, 5622.0, 5397.0, 5370.0, 5662.0, 5532.0, 5543.0, 5278.0, 5557.0, 5427.0, 5547.0, 5663.0, 5264.0, 5288.0, 5643.0, 5638.0, 5522.0, 5528.0, 5410.0, 5458.0, 5566.0, 5620.0, 5422.0, 5618.0, 5673.0, 5668.0, 5300.0, 5335.0, 5418.0 (number of hits: 5)
4	5520.0	9	1.0	333	1	5253.0, 5422.0, 5405.0, 5390.0, 5510.0, 5318.0, 5409.0, 5641.0, 5416.0, 5462.0, 5473.0, 5285.0, 5417.0, 5638.0, 5274.0, 5418.0, 5325.0, 5717.0, 5295.0, 5398.0, 5265.0, 5707.0, 5666.0, 5343.0, 5615.0, 5449.0, 5438.0, 5565.0, 5663.0, 5411.0, 5470.0, 5564.0, 5550.0, 5526.0, 5541.0, 5501.0, 5489.0, 5665.0, 5332.0, 5439.0, 5533.0, 5291.0, 5353.0, 5269.0, 5354.0, 5284.0, 5273.0, 5348.0, 5480.0, 5346.0, 5590.0, 5426.0, 5268.0, 5540.0, 5421.0, 5507.0, 5393.0, 5365.0, 5657.0, 5368.0, 5320.0, 5633.0, 5532.0, 5505.0, 5446.0, 5370.0, 5625.0, 5476.0, 5506.0, 5429.0, 5712.0, 5394.0, 5496.0, 5327.0, 5341.0, 5512.0, 5504.0, 5328.0, 5518.0, 5483.0, 5250.0, 5399.0, 5282.0, 5690.0, 5395.0, 5514.0, 5593.0, 5576.0, 5646.0, 5607.0, 5482.0, 5443.0, 5454.0, 5458.0, 5437.0, 5668.0, 5619.0, 5527.0, 5283.0, 5573.0 (number of hits: 5)
5	5520.0	9	1.0	333	1	5480.0, 5712.0, 5639.0, 5708.0, 5613.0, 5307.0, 5502.0, 5361.0, 5359.0, 5618.0, 5580.0, 5446.0, 5716.0, 5352.0, 5594.0, 5671.0, 5309.0, 5360.0, 5666.0, 5497.0, 5713.0, 5557.0, 5365.0, 5375.0, 5548.0, 5438.0, 5316.0, 5275.0, 5537.0, 5606.0, 5294.0, 5715.0, 5392.0, 5257.0, 5478.0, 5680.0, 5508.0, 5622.0, 5498.0, 5512.0, 5500.0, 5634.0, 5717.0, 5704.0, 5696.0, 5303.0, 5454.0, 5421.0, 5652.0, 5351.0, 5300.0, 5413.0, 5346.0, 5293.0, 5714.0, 5631.0, 5672.0, 5313.0, 5350.0, 5481.0, 5608.0, 5657.0, 5683.0, 5589.0, 5330.0, 5509.0, 5636.0, 5595.0, 5471.0, 5510.0, 5684.0, 5525.0, 5686.0, 5499.0, 5288.0, 5702.0, 5484.0, 5602.0, 5723.0, 5355.0, 5489.0, 5277.0, 5336.0, 5579.0, 5564.0, 5496.0, 5348.0, 5703.0, 5625.0, 5296.0, 5552.0, 5271.0, 5650.0, 5399.0, 5265.0, 5515.0, 5371.0, 5285.0, 5418.0, 5253.0 (number of hits: 3)
6	5520.0	9	1.0	333	1	5292.0, 5413.0, 5601.0, 5521.0, 5491.0, 5581.0, 5541.0, 5282.0, 5501.0, 5663.0, 5444.0, 5538.0, 5610.0, 5551.0, 5596.0, 5281.0, 5567.0, 5372.0, 5597.0, 5607.0, 5568.0, 5493.0, 5625.0, 5475.0, 5600.0, 5719.0, 5518.0, 5445.0, 5355.0, 5290.0, 5496.0, 5676.0, 5295.0, 5297.0, 5466.0, 5526.0, 5604.0, 5440.0, 5644.0, 5425.0, 5637.0, 5429.0, 5599.0, 5349.0, 5528.0, 5378.0, 5293.0, 5495.0, 5558.0, 5484.0, 5329.0, 5622.0, 5432.0, 5531.0, 5715.0, 5629.0, 5720.0, 5369.0, 5492.0, 5506.0, 5693.0, 5687.0, 5655.0, 5712.0, 5443.0,

						5382.0, 5482.0, 5550.0, 5524.0, 5373.0, 5590.0, 5591.0, 5453.0, 5633.0, 5261.0, 5634.0, 5500.0, 5368.0, 5585.0, 5497.0, 5377.0, 5530.0, 5422.0, 5564.0, 5381.0, 5307.0, 5503.0, 5489.0, 5652.0, 5379.0, 5478.0, 5348.0, 5395.0, 5669.0, 5697.0, 5704.0, 5365.0, 5665.0, 5615.0, 5462.0 (number of hits: 5)
7	5520.0	9	1.0	333	1	5636.0, 5347.0, 5587.0, 5508.0, 5645.0, 5355.0, 5629.0, 5411.0, 5399.0, 5661.0, 5400.0, 5290.0, 5381.0, 5583.0, 5720.0, 5705.0, 5638.0, 5374.0, 5503.0, 5356.0, 5308.0, 5256.0, 5485.0, 5511.0, 5475.0, 5628.0, 5590.0, 5449.0, 5312.0, 5564.0, 5693.0, 5416.0, 5498.0, 5672.0, 5293.0, 5683.0, 5499.0, 5706.0, 5653.0, 5577.0, 5493.0, 5674.0, 5334.0, 5461.0, 5500.0, 5306.0, 5709.0, 5478.0, 5396.0, 5277.0, 5283.0, 5442.0, 5425.0, 5675.0, 5598.0, 5349.0, 5539.0, 5690.0, 5415.0, 5339.0, 5443.0, 5330.0, 5676.0, 5284.0, 5467.0, 5571.0, 5291.0, 5351.0, 5280.0, 5419.0, 5296.0, 5282.0, 5641.0, 5412.0, 5251.0, 5552.0, 5458.0, 5591.0, 5670.0, 5281.0, 5626.0, 5648.0, 5386.0, 5495.0, 5723.0, 5635.0, 5352.0, 5394.0, 5427.0, 5494.0, 5295.0, 5434.0, 5444.0, 5563.0, 5448.0, 5666.0, 5362.0, 5390.0, 5719.0, 5534.0 (number of hits: 1)
8	5520.0	9	1.0	333	1	5466.0, 5425.0, 5607.0, 5672.0, 5449.0, 5629.0, 5710.0, 5572.0, 5400.0, 5678.0, 5558.0, 5624.0, 5318.0, 5346.0, 5366.0, 5391.0, 5480.0, 5438.0, 5431.0, 5591.0, 5403.0, 5278.0, 5456.0, 5659.0, 5416.0, 5598.0, 5705.0, 5514.0, 5335.0, 5463.0, 5298.0, 5451.0, 5646.0, 5307.0, 5566.0, 5317.0, 5516.0, 5330.0, 5468.0, 5649.0, 5305.0, 5447.0, 5467.0, 5437.0, 5569.0, 5367.0, 5715.0, 5529.0, 5477.0, 5352.0, 5596.0, 5321.0, 5271.0, 5593.0, 5304.0, 5421.0, 5446.0, 5428.0, 5412.0, 5499.0, 5561.0, 5382.0, 5712.0, 5533.0, 5289.0, 5474.0, 5584.0, 5665.0, 5684.0, 5527.0, 5409.0, 5632.0, 5441.0, 5365.0, 5426.0, 5548.0, 5693.0, 5638.0, 5295.0, 5554.0, 5440.0, 5494.0, 5630.0, 5361.0, 5254.0, 5260.0, 5448.0, 5487.0, 5314.0, 5519.0, 5589.0, 5455.0, 5363.0, 5585.0, 5666.0, 5427.0, 5570.0, 5702.0, 5602.0, 5496.0 (number of hits: 4)
9	5520.0	9	1.0	333	1	5441.0, 5509.0, 5350.0, 5565.0, 5591.0, 5701.0, 5318.0, 5504.0, 5424.0, 5254.0, 5390.0, 5373.0, 5564.0, 5398.0, 5432.0, 5466.0, 5259.0, 5465.0, 5419.0, 5306.0, 5680.0, 5649.0, 5555.0, 5462.0, 5377.0, 5679.0, 5444.0, 5265.0, 5437.0, 5533.0, 5305.0, 5542.0, 5687.0, 5331.0, 5405.0, 5666.0, 5422.0, 5418.0, 5719.0, 5622.0, 5414.0, 5276.0, 5496.0, 5619.0, 5283.0, 5518.0, 5451.0, 5658.0, 5586.0, 5388.0, 5493.0, 5302.0, 5684.0, 5607.0, 5506.0, 5341.0, 5301.0, 5495.0, 5545.0, 5323.0,

						5391.0, 5499.0, 5709.0, 5310.0, 5589.0, 5380.0, 5427.0, 5639.0, 5522.0, 5461.0, 5476.0, 5478.0, 5420.0, 5648.0, 5423.0, 5364.0, 5552.0, 5503.0, 5650.0, 5654.0, 5491.0, 5627.0, 5630.0, 5568.0, 5581.0, 5633.0, 5550.0, 5260.0, 5383.0, 5347.0, 5669.0, 5356.0, 5281.0, 5532.0, 5608.0, 5588.0, 5433.0, 5511.0, 5336.0, 5600.0 (number of hits: 3)
10	5520.0	9	1.0	333	1	5273.0, 5569.0, 5517.0, 5255.0, 5568.0, 5722.0, 5409.0, 5469.0, 5547.0, 5498.0, 5466.0, 5574.0, 5446.0, 5716.0, 5589.0, 5349.0, 5460.0, 5702.0, 5321.0, 5694.0, 5451.0, 5270.0, 5550.0, 5412.0, 5325.0, 5261.0, 5685.0, 5290.0, 5553.0, 5361.0, 5305.0, 5480.0, 5573.0, 5422.0, 5333.0, 5432.0, 5431.0, 5334.0, 5373.0, 5506.0, 5520.0, 5344.0, 5603.0, 5369.0, 5675.0, 5317.0, 5487.0, 5336.0, 5596.0, 5696.0, 5458.0, 5426.0, 5656.0, 5272.0, 5320.0, 5507.0, 5368.0, 5430.0, 5484.0, 5454.0, 5391.0, 5518.0, 5504.0, 5691.0, 5669.0, 5326.0, 5693.0, 5449.0, 5639.0, 5607.0, 5501.0, 5649.0, 5493.0, 5630.0, 5654.0, 5683.0, 5512.0, 5254.0, 5271.0, 5405.0, 5329.0, 5341.0, 5647.0, 5575.0, 5395.0, 5268.0, 5644.0, 5259.0, 5479.0, 5610.0, 5379.0, 5608.0, 5443.0, 5497.0, 5509.0, 5668.0, 5530.0, 5681.0, 5558.0, 5571.0 (number of hits: 4)
11	5520.0	9	1.0	333	1	5306.0, 5493.0, 5296.0, 5334.0, 5439.0, 5643.0, 5457.0, 5609.0, 5452.0, 5677.0, 5613.0, 5346.0, 5263.0, 5415.0, 5649.0, 5381.0, 5411.0, 5348.0, 5654.0, 5416.0, 5479.0, 5666.0, 5555.0, 5567.0, 5522.0, 5468.0, 5384.0, 5291.0, 5463.0, 5264.0, 5404.0, 5708.0, 5601.0, 5367.0, 5600.0, 5277.0, 5699.0, 5540.0, 5330.0, 5635.0, 5674.0, 5533.0, 5307.0, 5268.0, 5286.0, 5574.0, 5714.0, 5664.0, 5329.0, 5347.0, 5709.0, 5641.0, 5523.0, 5344.0, 5720.0, 5592.0, 5504.0, 5690.0, 5580.0, 5536.0, 5619.0, 5671.0, 5317.0, 5615.0, 5312.0, 5588.0, 5421.0, 5487.0, 5309.0, 5722.0, 5400.0, 5546.0, 5658.0, 5499.0, 5520.0, 5678.0, 5451.0, 5271.0, 5553.0, 5718.0, 5278.0, 5539.0, 5481.0, 5266.0, 5642.0, 5572.0, 5519.0, 5273.0, 5656.0, 5292.0, 5554.0, 5252.0, 5370.0, 5315.0, 5401.0, 5274.0, 5707.0, 5453.0, 5476.0, 5509.0 (number of hits: 4)
12	5520.0	9	1.0	333	1	5387.0, 5576.0, 5529.0, 5497.0, 5329.0, 5292.0, 5593.0, 5468.0, 5715.0, 5309.0, 5485.0, 5460.0, 5349.0, 5543.0, 5597.0, 5359.0, 5337.0, 5700.0, 5517.0, 5326.0, 5489.0, 5379.0, 5458.0, 5374.0, 5456.0, 5467.0, 5252.0, 5512.0, 5440.0, 5452.0, 5548.0, 5282.0, 5590.0, 5712.0, 5690.0, 5571.0, 5347.0, 5585.0, 5260.0, 5633.0, 5447.0, 5648.0, 5259.0, 5707.0, 5533.0, 5459.0, 5681.0, 5641.0, 5399.0, 5619.0, 5525.0, 5500.0, 5463.0, 5697.0, 5415.0,

						5569.0, 5526.0, 5647.0, 5421.0, 5262.0, 5296.0, 5482.0, 5723.0, 5704.0, 5709.0, 5553.0, 5645.0, 5451.0, 5516.0, 5388.0, 5354.0, 5270.0, 5587.0, 5706.0, 5298.0, 5345.0, 5721.0, 5547.0, 5714.0, 5269.0, 5640.0, 5279.0, 5480.0, 5603.0, 5710.0, 5558.0, 5502.0, 5582.0, 5592.0, 5261.0, 5384.0, 5412.0, 5637.0, 5449.0, 5288.0, 5432.0, 5264.0, 5413.0, 5605.0, 5554.0 (number of hits: 5)
13	5520.0	9	1.0	333	1	5631.0, 5323.0, 5449.0, 5272.0, 5680.0, 5525.0, 5557.0, 5405.0, 5717.0, 5448.0, 5293.0, 5341.0, 5404.0, 5578.0, 5324.0, 5505.0, 5569.0, 5362.0, 5568.0, 5400.0, 5630.0, 5315.0, 5576.0, 5493.0, 5364.0, 5524.0, 5537.0, 5329.0, 5444.0, 5520.0, 5676.0, 5553.0, 5646.0, 5605.0, 5266.0, 5402.0, 5482.0, 5698.0, 5299.0, 5672.0, 5376.0, 5718.0, 5623.0, 5617.0, 5330.0, 5597.0, 5654.0, 5572.0, 5697.0, 5438.0, 5712.0, 5626.0, 5589.0, 5665.0, 5392.0, 5334.0, 5641.0, 5585.0, 5288.0, 5491.0, 5704.0, 5546.0, 5586.0, 5415.0, 5387.0, 5474.0, 5419.0, 5351.0, 5510.0, 5478.0, 5469.0, 5651.0, 5384.0, 5467.0, 5263.0, 5606.0, 5267.0, 5530.0, 5613.0, 5684.0, 5424.0, 5475.0, 5511.0, 5656.0, 5661.0, 5515.0, 5614.0, 5574.0, 5459.0, 5690.0, 5610.0, 5521.0, 5281.0, 5604.0, 5374.0, 5620.0, 5664.0, 5258.0, 5528.0, 5379.0 (number of hits: 7)
14	5520.0	9	1.0	333	1	5676.0, 5508.0, 5635.0, 5305.0, 5657.0, 5319.0, 5648.0, 5250.0, 5704.0, 5384.0, 5317.0, 5450.0, 5424.0, 5414.0, 5439.0, 5275.0, 5548.0, 5715.0, 5315.0, 5692.0, 5308.0, 5585.0, 5616.0, 5587.0, 5575.0, 5475.0, 5427.0, 5510.0, 5326.0, 5722.0, 5343.0, 5625.0, 5504.0, 5441.0, 5432.0, 5628.0, 5304.0, 5543.0, 5431.0, 5435.0, 5299.0, 5336.0, 5380.0, 5638.0, 5421.0, 5608.0, 5716.0, 5547.0, 5366.0, 5578.0, 5688.0, 5701.0, 5444.0, 5602.0, 5685.0, 5673.0, 5687.0, 5542.0, 5524.0, 5392.0, 5312.0, 5257.0, 5664.0, 5718.0, 5610.0, 5696.0, 5255.0, 5720.0, 5617.0, 5399.0, 5654.0, 5320.0, 5302.0, 5328.0, 5582.0, 5707.0, 5418.0, 5277.0, 5671.0, 5603.0, 5297.0, 5530.0, 5309.0, 5569.0, 5455.0, 5252.0, 5406.0, 5360.0, 5667.0, 5359.0, 5609.0, 5576.0, 5536.0, 5458.0, 5448.0, 5295.0, 5665.0, 5454.0, 5672.0, 5706.0 (number of hits: 1)
15	5520.0	9	1.0	333	1	5363.0, 5678.0, 5626.0, 5523.0, 5312.0, 5369.0, 5341.0, 5526.0, 5301.0, 5328.0, 5546.0, 5347.0, 5655.0, 5460.0, 5336.0, 5476.0, 5582.0, 5472.0, 5661.0, 5531.0, 5477.0, 5632.0, 5280.0, 5481.0, 5513.0, 5696.0, 5723.0, 5353.0, 5509.0, 5540.0, 5613.0, 5271.0, 5652.0, 5623.0, 5276.0, 5705.0, 5699.0, 5543.0, 5349.0, 5350.0, 5558.0, 5448.0, 5317.0, 5601.0, 5308.0, 5645.0, 5521.0, 5345.0, 5685.0, 5408.0,

						5412.0, 5668.0, 5557.0, 5646.0, 5444.0, 5253.0, 5409.0, 5486.0, 5390.0, 5255.0, 5614.0, 5695.0, 5615.0, 5493.0, 5597.0, 5443.0, 5647.0, 5570.0, 5326.0, 5651.0, 5385.0, 5283.0, 5414.0, 5612.0, 5684.0, 5575.0, 5398.0, 5551.0, 5365.0, 5389.0, 5535.0, 5528.0, 5334.0, 5335.0, 5617.0, 5261.0, 5627.0, 5333.0, 5449.0, 5360.0, 5545.0, 5422.0, 5466.0, 5519.0, 5299.0, 5692.0, 5256.0, 5387.0, 5254.0, 5569.0 (number of hits: 6)
16	5520.0	9	1.0	333	1	5269.0, 5597.0, 5438.0, 5673.0, 5648.0, 5532.0, 5538.0, 5453.0, 5522.0, 5540.0, 5377.0, 5397.0, 5511.0, 5636.0, 5422.0, 5557.0, 5523.0, 5581.0, 5651.0, 5378.0, 5676.0, 5502.0, 5312.0, 5454.0, 5621.0, 5628.0, 5586.0, 5303.0, 5306.0, 5362.0, 5427.0, 5615.0, 5672.0, 5281.0, 5355.0, 5533.0, 5643.0, 5294.0, 5531.0, 5338.0, 5678.0, 5278.0, 5689.0, 5411.0, 5349.0, 5476.0, 5646.0, 5429.0, 5252.0, 5439.0, 5669.0, 5564.0, 5323.0, 5596.0, 5559.0, 5432.0, 5514.0, 5456.0, 5629.0, 5261.0, 5691.0, 5670.0, 5455.0, 5506.0, 5452.0, 5446.0, 5603.0, 5530.0, 5273.0, 5593.0, 5358.0, 5719.0, 5436.0, 5630.0, 5549.0, 5576.0, 5302.0, 5482.0, 5668.0, 5611.0, 5326.0, 5328.0, 5679.0, 5483.0, 5547.0, 5553.0, 5340.0, 5447.0, 5638.0, 5440.0, 5587.0, 5265.0, 5464.0, 5277.0, 5283.0, 5489.0, 5631.0, 5376.0, 5694.0, 5680.0 (number of hits: 4)
17	5520.0	9	1.0	333	1	5577.0, 5381.0, 5598.0, 5276.0, 5260.0, 5668.0, 5266.0, 5627.0, 5722.0, 5251.0, 5331.0, 5345.0, 5649.0, 5702.0, 5443.0, 5644.0, 5723.0, 5444.0, 5464.0, 5271.0, 5375.0, 5633.0, 5457.0, 5295.0, 5547.0, 5327.0, 5365.0, 5512.0, 5348.0, 5586.0, 5496.0, 5540.0, 5263.0, 5369.0, 5528.0, 5370.0, 5406.0, 5385.0, 5654.0, 5475.0, 5377.0, 5350.0, 5695.0, 5344.0, 5591.0, 5719.0, 5548.0, 5468.0, 5489.0, 5373.0, 5600.0, 5441.0, 5368.0, 5567.0, 5553.0, 5576.0, 5681.0, 5455.0, 5433.0, 5597.0, 5504.0, 5279.0, 5682.0, 5392.0, 5454.0, 5459.0, 5305.0, 5278.0, 5299.0, 5317.0, 5396.0, 5398.0, 5358.0, 5625.0, 5257.0, 5694.0, 5321.0, 5691.0, 5590.0, 5439.0, 5607.0, 5354.0, 5346.0, 5391.0, 5292.0, 5472.0, 5404.0, 5621.0, 5642.0, 5307.0, 5410.0, 5690.0, 5637.0, 5429.0, 5536.0, 5670.0, 5477.0, 5389.0, 5255.0, 5337.0 (number of hits: 2)
18	5520.0	9	1.0	333	1	5665.0, 5449.0, 5279.0, 5399.0, 5568.0, 5650.0, 5616.0, 5539.0, 5407.0, 5685.0, 5614.0, 5272.0, 5420.0, 5405.0, 5266.0, 5501.0, 5599.0, 5432.0, 5613.0, 5340.0, 5355.0, 5596.0, 5511.0, 5347.0, 5595.0, 5706.0, 5406.0, 5681.0, 5570.0, 5584.0, 5521.0, 5517.0, 5562.0, 5489.0, 5592.0, 5510.0, 5704.0, 5338.0, 5270.0, 5330.0, 5362.0, 5721.0, 5643.0, 5702.0, 5716.0,

						5649.0, 5606.0, 5447.0, 5580.0, 5458.0, 5304.0, 5259.0, 5445.0, 5618.0, 5533.0, 5273.0, 5320.0, 5394.0, 5278.0, 5333.0, 5345.0, 5582.0, 5664.0, 5495.0, 5276.0, 5260.0, 5629.0, 5384.0, 5605.0, 5369.0, 5498.0, 5377.0, 5403.0, 5415.0, 5548.0, 5612.0, 5647.0, 5717.0, 5385.0, 5600.0, 5311.0, 5494.0, 5348.0, 5615.0, 5294.0, 5617.0, 5578.0, 5552.0, 5550.0, 5410.0, 5314.0, 5714.0, 5546.0, 5416.0, 5254.0, 5670.0, 5491.0, 5676.0, 5581.0, 5697.0 (number of hits: 3)
19	5520.0	9	1.0	333	1	5257.0, 5684.0, 5589.0, 5553.0, 5251.0, 5327.0, 5582.0, 5442.0, 5670.0, 5717.0, 5273.0, 5646.0, 5689.0, 5613.0, 5605.0, 5250.0, 5446.0, 5362.0, 5410.0, 5560.0, 5456.0, 5500.0, 5562.0, 5352.0, 5655.0, 5721.0, 5702.0, 5603.0, 5486.0, 5528.0, 5591.0, 5404.0, 5353.0, 5435.0, 5586.0, 5488.0, 5715.0, 5600.0, 5343.0, 5364.0, 5509.0, 5701.0, 5301.0, 5300.0, 5414.0, 5611.0, 5332.0, 5527.0, 5473.0, 5303.0, 5705.0, 5319.0, 5691.0, 5445.0, 5455.0, 5294.0, 5638.0, 5657.0, 5623.0, 5616.0, 5510.0, 5561.0, 5516.0, 5429.0, 5584.0, 5519.0, 5536.0, 5538.0, 5548.0, 5679.0, 5416.0, 5565.0, 5648.0, 5338.0, 5710.0, 5542.0, 5377.0, 5417.0, 5583.0, 5405.0, 5526.0, 5581.0, 5318.0, 5504.0, 5302.0, 5467.0, 5305.0, 5664.0, 5694.0, 5312.0, 5261.0, 5688.0, 5619.0, 5463.0, 5571.0, 5330.0, 5671.0, 5680.0, 5374.0, 5430.0 (number of hits: 5)
20	5520.0	9	1.0	333	1	5632.0, 5254.0, 5388.0, 5295.0, 5289.0, 5561.0, 5627.0, 5595.0, 5262.0, 5371.0, 5313.0, 5680.0, 5287.0, 5411.0, 5647.0, 5693.0, 5677.0, 5463.0, 5605.0, 5578.0, 5618.0, 5294.0, 5607.0, 5716.0, 5427.0, 5345.0, 5537.0, 5367.0, 5584.0, 5458.0, 5389.0, 5268.0, 5311.0, 5320.0, 5569.0, 5639.0, 5591.0, 5510.0, 5711.0, 5290.0, 5703.0, 5722.0, 5344.0, 5317.0, 5423.0, 5570.0, 5603.0, 5503.0, 5631.0, 5535.0, 5576.0, 5318.0, 5470.0, 5712.0, 5425.0, 5669.0, 5667.0, 5529.0, 5280.0, 5330.0, 5466.0, 5663.0, 5387.0, 5405.0, 5557.0, 5580.0, 5480.0, 5518.0, 5596.0, 5660.0, 5273.0, 5448.0, 5717.0, 5586.0, 5495.0, 5554.0, 5490.0, 5549.0, 5681.0, 5697.0, 5369.0, 5655.0, 5594.0, 5486.0, 5540.0, 5403.0, 5395.0, 5614.0, 5356.0, 5544.0, 5644.0, 5354.0, 5714.0, 5661.0, 5412.0, 5409.0, 5456.0, 5690.0, 5496.0, 5688.0 (number of hits: 1)
21	5520.0	9	1.0	333	0	
22	5520.0	9	1.0	333	1	5569.0, 5677.0, 5412.0, 5538.0, 5653.0, 5587.0, 5427.0, 5652.0, 5624.0, 5424.0, 5646.0, 5665.0, 5285.0, 5595.0, 5663.0, 5348.0, 5358.0, 5409.0, 5439.0, 5685.0, 5654.0, 5360.0, 5415.0, 5604.0, 5508.0, 5345.0, 5447.0, 5381.0, 5631.0, 5589.0, 5528.0, 5410.0, 5428.0, 5609.0, 5568.0,

						5300.0, 5339.0, 5251.0, 5627.0, 5476.0, 5407.0, 5411.0, 5280.0, 5626.0, 5565.0, 5274.0, 5511.0, 5684.0, 5354.0, 5629.0, 5394.0, 5548.0, 5326.0, 5495.0, 5681.0, 5521.0, 5462.0, 5430.0, 5480.0, 5260.0, 5403.0, 5593.0, 5662.0, 5378.0, 5361.0, 5369.0, 5474.0, 5307.0, 5316.0, 5273.0, 5333.0, 5655.0, 5579.0, 5257.0, 5370.0, 5699.0, 5311.0, 5356.0, 5293.0, 5602.0, 5706.0, 5343.0, 5661.0, 5698.0, 5313.0, 5611.0, 5705.0, 5432.0, 5723.0, 5714.0, 5297.0, 5591.0, 5527.0, 5573.0, 5641.0, 5299.0, 5385.0, 5388.0, 5575.0, 5597.0 (number of hits: 4)
23	5520.0	9	1.0	333	1	5368.0, 5432.0, 5496.0, 5394.0, 5599.0, 5254.0, 5608.0, 5302.0, 5465.0, 5474.0, 5664.0, 5452.0, 5342.0, 5531.0, 5706.0, 5639.0, 5409.0, 5351.0, 5340.0, 5389.0, 5574.0, 5298.0, 5682.0, 5630.0, 5405.0, 5494.0, 5556.0, 5681.0, 5492.0, 5454.0, 5581.0, 5661.0, 5473.0, 5470.0, 5620.0, 5467.0, 5412.0, 5702.0, 5495.0, 5343.0, 5430.0, 5715.0, 5380.0, 5331.0, 5275.0, 5482.0, 5658.0, 5356.0, 5501.0, 5528.0, 5475.0, 5538.0, 5700.0, 5717.0, 5711.0, 5668.0, 5319.0, 5635.0, 5692.0, 5519.0, 5517.0, 5523.0, 5553.0, 5673.0, 5563.0, 5411.0, 5689.0, 5690.0, 5301.0, 5325.0, 5697.0, 5644.0, 5399.0, 5403.0, 5487.0, 5429.0, 5289.0, 5624.0, 5258.0, 5358.0, 5439.0, 5552.0, 5255.0, 5549.0, 5270.0, 5295.0, 5485.0, 5375.0, 5609.0, 5326.0, 5273.0, 5341.0, 5602.0, 5683.0, 5614.0, 5453.0, 5401.0, 5655.0, 5674.0, 5284.0 (number of hits: 4)
24	5520.0	9	1.0	333	1	5558.0, 5497.0, 5533.0, 5316.0, 5674.0, 5418.0, 5557.0, 5340.0, 5714.0, 5482.0, 5277.0, 5302.0, 5681.0, 5361.0, 5439.0, 5300.0, 5484.0, 5308.0, 5396.0, 5285.0, 5584.0, 5348.0, 5444.0, 5500.0, 5296.0, 5392.0, 5282.0, 5554.0, 5529.0, 5335.0, 5280.0, 5397.0, 5252.0, 5488.0, 5417.0, 5724.0, 5685.0, 5457.0, 5566.0, 5541.0, 5419.0, 5368.0, 5464.0, 5471.0, 5594.0, 5358.0, 5534.0, 5449.0, 5430.0, 5321.0, 5582.0, 5276.0, 5286.0, 5669.0, 5362.0, 5294.0, 5591.0, 5706.0, 5452.0, 5320.0, 5450.0, 5456.0, 5292.0, 5445.0, 5627.0, 5328.0, 5373.0, 5629.0, 5511.0, 5570.0, 5287.0, 5525.0, 5697.0, 5256.0, 5492.0, 5564.0, 5660.0, 5403.0, 5318.0, 5480.0, 5607.0, 5350.0, 5354.0, 5543.0, 5612.0, 5617.0, 5610.0, 5401.0, 5606.0, 5475.0, 5479.0, 5261.0, 5498.0, 5559.0, 5601.0, 5485.0, 5630.0, 5713.0, 5284.0, 5315.0 (number of hits: 2)
25	5520.0	9	1.0	333	1	5453.0, 5345.0, 5703.0, 5519.0, 5712.0, 5707.0, 5656.0, 5411.0, 5255.0, 5379.0, 5608.0, 5370.0, 5377.0, 5260.0, 5328.0, 5564.0, 5436.0, 5661.0, 5390.0, 5551.0, 5607.0, 5484.0, 5535.0, 5332.0, 5520.0, 5652.0, 5524.0, 5635.0, 5636.0, 5477.0,

						5320.0, 5627.0, 5475.0, 5330.0, 5595.0, 5335.0, 5351.0, 5399.0, 5451.0, 5256.0, 5628.0, 5417.0, 5481.0, 5274.0, 5357.0, 5688.0, 5569.0, 5359.0, 5368.0, 5663.0, 5349.0, 5558.0, 5414.0, 5329.0, 5293.0, 5711.0, 5416.0, 5721.0, 5658.0, 5532.0, 5263.0, 5448.0, 5531.0, 5326.0, 5394.0, 5388.0, 5664.0, 5589.0, 5410.0, 5648.0, 5459.0, 5696.0, 5695.0, 5350.0, 5640.0, 5425.0, 5422.0, 5528.0, 5540.0, 5527.0, 5580.0, 5254.0, 5447.0, 5435.0, 5546.0, 5709.0, 5659.0, 5586.0, 5396.0, 5273.0, 5462.0, 5590.0, 5705.0, 5300.0, 5384.0, 5495.0, 5690.0, 5492.0, 5289.0, 5576.0 (number of hits: 5)
26	5520.0	9	1.0	333	1	5574.0, 5626.0, 5473.0, 5267.0, 5318.0, 5688.0, 5268.0, 5396.0, 5493.0, 5299.0, 5272.0, 5345.0, 5449.0, 5603.0, 5713.0, 5524.0, 5279.0, 5550.0, 5347.0, 5404.0, 5344.0, 5583.0, 5278.0, 5549.0, 5475.0, 5468.0, 5264.0, 5552.0, 5336.0, 5479.0, 5412.0, 5377.0, 5718.0, 5305.0, 5442.0, 5561.0, 5405.0, 5511.0, 5680.0, 5478.0, 5291.0, 5507.0, 5631.0, 5687.0, 5535.0, 5695.0, 5543.0, 5514.0, 5465.0, 5413.0, 5614.0, 5641.0, 5629.0, 5700.0, 5651.0, 5447.0, 5689.0, 5338.0, 5310.0, 5300.0, 5284.0, 5420.0, 5470.0, 5454.0, 5519.0, 5280.0, 5706.0, 5623.0, 5674.0, 5555.0, 5635.0, 5642.0, 5439.0, 5667.0, 5690.0, 5654.0, 5384.0, 5615.0, 5708.0, 5459.0, 5375.0, 5675.0, 5648.0, 5705.0, 5494.0, 5451.0, 5498.0, 5643.0, 5678.0, 5341.0, 5448.0, 5684.0, 5450.0, 5619.0, 5601.0, 5584.0, 5645.0, 5253.0, 5390.0, 5444.0 (number of hits: 4)
27	5520.0	9	1.0	333	1	5447.0, 5266.0, 5548.0, 5457.0, 5641.0, 5637.0, 5559.0, 5254.0, 5708.0, 5344.0, 5552.0, 5608.0, 5523.0, 5527.0, 5300.0, 5423.0, 5396.0, 5580.0, 5615.0, 5469.0, 5566.0, 5406.0, 5555.0, 5443.0, 5482.0, 5358.0, 5507.0, 5399.0, 5278.0, 5446.0, 5293.0, 5609.0, 5483.0, 5393.0, 5714.0, 5276.0, 5256.0, 5460.0, 5338.0, 5498.0, 5379.0, 5710.0, 5288.0, 5382.0, 5296.0, 5700.0, 5386.0, 5263.0, 5468.0, 5584.0, 5570.0, 5667.0, 5302.0, 5269.0, 5265.0, 5512.0, 5439.0, 5257.0, 5377.0, 5500.0, 5342.0, 5390.0, 5578.0, 5687.0, 5707.0, 5473.0, 5475.0, 5614.0, 5463.0, 5605.0, 5653.0, 5260.0, 5455.0, 5532.0, 5518.0, 5378.0, 5381.0, 5545.0, 5388.0, 5472.0, 5623.0, 5484.0, 5465.0, 5712.0, 5283.0, 5564.0, 5600.0, 5721.0, 5713.0, 5520.0, 5652.0, 5677.0, 5359.0, 5630.0, 5635.0, 5633.0, 5581.0, 5402.0, 5272.0, 5351.0 (number of hits: 5)
28	5520.0	9	1.0	333	1	5601.0, 5411.0, 5607.0, 5404.0, 5337.0, 5603.0, 5486.0, 5671.0, 5550.0, 5596.0, 5608.0, 5639.0, 5454.0, 5704.0, 5297.0, 5628.0, 5304.0, 5492.0, 5702.0, 5516.0, 5390.0, 5611.0, 5527.0, 5257.0, 5697.0,

						5503.0, 5456.0, 5691.0, 5687.0, 5371.0, 5707.0, 5282.0, 5295.0, 5421.0, 5261.0, 5424.0, 5723.0, 5586.0, 5296.0, 5435.0, 5683.0, 5293.0, 5724.0, 5657.0, 5467.0, 5326.0, 5376.0, 5656.0, 5693.0, 5263.0, 5333.0, 5595.0, 5449.0, 5455.0, 5479.0, 5466.0, 5712.0, 5380.0, 5254.0, 5719.0, 5450.0, 5713.0, 5721.0, 5491.0, 5269.0, 5416.0, 5605.0, 5302.0, 5659.0, 5372.0, 5255.0, 5401.0, 5305.0, 5429.0, 5366.0, 5432.0, 5405.0, 5437.0, 5451.0, 5584.0, 5650.0, 5463.0, 5365.0, 5388.0, 5346.0, 5413.0, 5325.0, 5567.0, 5272.0, 5303.0, 5287.0, 5573.0, 5689.0, 5565.0, 5502.0, 5575.0, 5669.0, 5512.0, 5347.0, 5631.0 (number of hits: 3)
29	5520.0	9	1.0	333	1	5426.0, 5441.0, 5448.0, 5471.0, 5550.0, 5549.0, 5450.0, 5673.0, 5572.0, 5647.0, 5603.0, 5524.0, 5555.0, 5711.0, 5495.0, 5655.0, 5374.0, 5640.0, 5700.0, 5713.0, 5503.0, 5510.0, 5310.0, 5590.0, 5611.0, 5595.0, 5345.0, 5336.0, 5402.0, 5355.0, 5295.0, 5560.0, 5424.0, 5552.0, 5580.0, 5633.0, 5481.0, 5715.0, 5341.0, 5397.0, 5328.0, 5280.0, 5504.0, 5519.0, 5435.0, 5251.0, 5298.0, 5567.0, 5311.0, 5691.0, 5333.0, 5326.0, 5553.0, 5698.0, 5545.0, 5570.0, 5581.0, 5574.0, 5421.0, 5399.0, 5468.0, 5433.0, 5288.0, 5659.0, 5439.0, 5390.0, 5710.0, 5259.0, 5660.0, 5517.0, 5499.0, 5327.0, 5285.0, 5427.0, 5652.0, 5642.0, 5250.0, 5667.0, 5496.0, 5561.0, 5309.0, 5630.0, 5461.0, 5610.0, 5375.0, 5505.0, 5291.0, 5322.0, 5536.0, 5670.0, 5704.0, 5582.0, 5520.0, 5671.0, 5648.0, 5431.0, 5455.0, 5540.0, 5463.0, 5722.0 (number of hits: 4)
30	5520.0	9	1.0	333	1	5433.0, 5407.0, 5446.0, 5342.0, 5358.0, 5669.0, 5408.0, 5509.0, 5713.0, 5275.0, 5458.0, 5417.0, 5719.0, 5529.0, 5646.0, 5479.0, 5268.0, 5336.0, 5483.0, 5515.0, 5525.0, 5671.0, 5255.0, 5683.0, 5722.0, 5456.0, 5477.0, 5527.0, 5554.0, 5661.0, 5710.0, 5696.0, 5357.0, 5715.0, 5371.0, 5349.0, 5675.0, 5510.0, 5267.0, 5482.0, 5688.0, 5642.0, 5410.0, 5381.0, 5611.0, 5681.0, 5560.0, 5497.0, 5418.0, 5397.0, 5447.0, 5624.0, 5373.0, 5494.0, 5567.0, 5489.0, 5440.0, 5485.0, 5423.0, 5359.0, 5293.0, 5626.0, 5665.0, 5384.0, 5711.0, 5290.0, 5718.0, 5481.0, 5638.0, 5559.0, 5561.0, 5664.0, 5300.0, 5629.0, 5536.0, 5366.0, 5514.0, 5449.0, 5553.0, 5495.0, 5392.0, 5579.0, 5365.0, 5432.0, 5606.0, 5468.0, 5608.0, 5720.0, 5272.0, 5707.0, 5595.0, 5498.0, 5383.0, 5602.0, 5666.0, 5254.0, 5430.0, 5347.0, 5660.0, 5617.0 (number of hits: 4)

Client Mode

5550 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100.0 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate (Type1 to 4)	120	90.0 %	80%	Pass
Type 5	30	86.6 %	80%	Pass
Type 6	30	100 %	70%	Pass

Note: EUT was also working in Bridge Mode.

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

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	99	1.0	538	1
2	68	1.0	778	1
3	78	1.0	678	1
4	18	1.0	3066	1
5	76	1.0	698	1
6	57	1.0	938	1
7	72	1.0	738	1
8	86	1.0	618	1
9	58	1.0	918	1
10	70	1.0	758	1
11	74	1.0	718	1
12	59	1.0	898	1
13	65	1.0	818	1
14	83	1.0	638	1
15	95	1.0	558	1
16	58	1.0	921	1
17	28	1.0	1954	1
18	20	1.0	2694	1
19	25	1.0	2192	1
20	25	1.0	2184	1
21	22	1.0	2487	1
22	98	1.0	544	1
23	43	1.0	1228	1
24	76	1.0	702	1
25	27	1.0	1998	1
26	70	1.0	761	1
27	36	1.0	1482	1
28	97	1.0	546	1
29	28	1.0	1925	1
30	19	1.0	2876	1
Detection Percentage: 100.0% (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	3.6	195	1
2	28	4.3	197	0
3	29	4.3	190	1
4	26	2.4	162	1
5	24	4.7	170	0
6	29	4.5	212	1
7	25	2.2	219	0
8	29	3.4	158	1
9	27	3.9	230	1
10	23	2.8	203	1
11	25	4.4	229	1
12	28	1.0	184	1
13	27	3.6	163	1
14	25	4.2	207	1
15	28	1.3	159	1
16	24	1.3	192	1
17	23	4.2	225	0
18	25	4.9	158	0
19	23	3.7	175	1
20	26	1.6	172	1
21	27	3.7	172	0
22	26	4.9	183	0
23	27	1.2	193	1
24	26	4.7	197	1
25	29	2.4	160	1
26	24	1.1	197	1
27	24	2.2	165	1
28	29	3.0	194	0
29	24	3.9	204	1
30	28	4.7	230	1
Detection Percentage: 73.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	6.4	271	1
2	18	6.2	343	1
3	18	7.4	228	0
4	17	8.5	276	1
5	18	6.8	366	1
6	16	6.1	280	1
7	18	9.0	323	1
8	16	6.2	446	1
9	16	6.0	480	1
10	18	9.7	221	1
11	17	6.3	224	1
12	18	7.2	200	1
13	17	7.3	337	1
14	17	8.7	372	1
15	18	8.5	428	1
16	17	7.2	365	1
17	17	9.8	490	1
18	18	9.1	492	1
19	18	7.7	263	1
20	17	6.7	266	1
21	16	9.1	250	1
22	16	8.0	228	1
23	16	7.2	318	1
24	16	9.5	407	1
25	18	8.7	233	1
26	17	7.5	475	1
27	18	7.3	413	1
28	18	6.0	287	1
29	16	9.4	409	0
30	18	9.0	225	1
Detection Percentage: 93.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	13.2	291	1
2	14	13.9	272	1
3	13	12.9	236	1
4	14	16.4	253	1
5	12	13.9	363	1
6	12	11.6	372	1
7	14	16.8	252	1
8	16	17.3	297	1
9	16	16.5	470	1
10	13	18.1	370	1
11	14	17.7	309	1
12	13	19.7	367	0
13	15	12.1	399	1
14	15	13.7	481	1
15	14	12.4	422	1
16	14	11.9	361	1
17	14	14.8	267	1
18	12	19.0	284	1
19	14	19.0	450	1
20	15	11.3	395	1
21	12	12.0	389	1
22	16	15.0	469	1
23	15	13.8	378	1
24	14	15.4	303	1
25	12	15.4	355	1
26	16	15.9	305	1
27	12	14.1	299	1
28	14	12.3	296	1
29	13	17.4	419	0
30	13	16.9	413	1
Detection Percentage: 93.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5550	1
2	5550	1
3	5550	1
4	5550	1
5	5550	0
6	5550	0
7	5550	1
8	5550	1
9	5550	1
10	5550	1
11	5538.9	1
12	5538.6	1
13	5538.1	1
14	5536.6	1
15	5536.6	1
16	5535.4	1
17	5539.8	1
18	5537.8	1
19	5539.4	1
20	5534.6	1
21	5565.1	0
22	5561.4	1
23	5563.1	1
24	5565.9	1
25	5563.9	1
26	5561.1	1
27	5562.6	1
28	5563.1	1
29	5565.4	1
30	5560.2	0
Detection Percentage: 86.6 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	94.0	1197		0.767821	1
1	2	10	53.6	1836		2.090708	
2	3	10	68.9	1853	1282	2.821802	
3	2	10	87.1	1137		3.703648	
4	3	10	93.2	1078	1467	5.983242	
5	2	10	75.6	1529		6.168718	
6	2	10	80.0	1960		7.480269	
7	1	10	85.8			8.877903	
8	1	10	95.7			9.965842	
9	2	10	74.1	1540		11.921000	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	61.1	1987	1722	0.658062	1
1	1	6	96.1			1.323938	
2	2	6	66.4	1501		1.912711	
3	3	6	59.5	1758	1387	2.224580	
4	1	6	50.5			3.263154	
5	1	6	54.9			4.210538	
6	2	6	71.7	1222		4.649304	
7	2	6	97.6	1310		5.638253	
8	2	6	58.5	1467		6.180459	
9	2	6	86.0	1017		6.367855	
10	2	6	57.2	1140		7.109076	
11	2	6	80.1	1136		7.803759	
12	2	6	100.0	1477		8.625330	
13	1	6	95.5			9.340142	
14	2	6	90.0	1347		10.521622	
15	2	6	55.8	1591		10.653624	
16	2	6	77.1	1510		11.331512	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	55.1	1484		0.290495	1
1	1	10	53.0			1.124735	
2	1	10	88.4			2.504249	
3	2	10	65.6	1534		3.590639	
4	3	10	93.0	1370	1374	3.970929	
5	2	10	64.0	1937		4.828134	
6	1	10	79.5			5.581119	
7	2	10	79.6	1631		6.765109	
8	2	10	77.1	1510		7.997373	
9	2	10	83.9	1764		8.985025	
10	1	10	98.9			9.575867	
11	2	10	68.8	1883		10.599712	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	96.8	1556		0.199637	1
1	2	16	79.4	1672		1.556756	
2	1	16	79.1			1.684693	
3	2	16	61.4	1891		3.172350	
4	2	16	51.7	1716		3.986601	
5	2	16	55.6	1255		4.092630	
6	3	16	72.0	1293	1779	5.136628	
7	1	16	95.0			6.164565	
8	2	16	64.5	1240		7.176011	
9	1	16	82.0			7.289663	
10	3	16	68.0	1902	1702	8.604943	
11	3	16	69.4	1209	1022	9.273494	
12	3	16	56.1	1880	1156	9.935609	
13	1	16	53.5			10.730002	
14	2	16	84.1	1651		11.598065	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	57.3	1546	1212	0.021991	0
1	1	8	58.8			0.939158	
2	3	8	70.9	1021	1066	1.968452	
3	2	8	72.6	1680		2.918533	
4	2	8	50.8	1572		4.429697	
5	3	8	67.8	1512	1898	5.316546	
6	2	8	89.9	1956		6.282236	
7	1	8	52.1			6.962204	
8	3	8	66.7	1451	1309	8.090428	
9	2	8	90.5	1598		8.549945	
10	3	8	100.0	1098	1595	9.499709	
11	2	8	97.8	1342		10.572248	
12	2	8	73.1	1334		11.935209	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	86.6	1836	1269	0.507878	0
1	1	5	66.6			1.260125	
2	1	5	72.3			1.516137	
3	3	5	66.1	1494	1416	2.275222	
4	2	5	62.1	1917		3.371192	
5	2	5	59.7	1565		4.133092	
6	1	5	80.4			4.960801	
7	2	5	95.4	1784		5.357317	
8	1	5	81.2			6.681238	
9	2	5	55.4	1479		6.870983	
10	3	5	51.0	1699	1277	7.955595	
11	3	5	92.0	1632	1390	8.634068	
12	2	5	79.2	1915		9.068408	
13	3	5	61.1	1776	1338	10.233774	
14	2	5	97.3	1583		11.004097	
15	2	5	65.0	1828		11.497453	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	65.3	1011	1417	0.533413	1
1	2	10	67.7	1744		0.997797	
2	1	10	69.6			1.719336	
3	2	10	55.3	1185		1.951825	
4	1	10	84.6			2.994578	
5	1	10	58.3			3.581425	
6	1	10	58.0			3.812417	
7	2	10	82.8	1879		4.783557	
8	2	10	72.7	1390		5.362974	
9	3	10	87.5	1639	1904	5.700590	
10	3	10	66.6	1274	1811	6.471109	
11	3	10	93.0	1106	1860	6.952717	
12	2	10	67.9	1295		7.237744	
13	1	10	59.9			8.116007	
14	1	10	98.1			8.682393	
15	1	10	78.0			9.302584	
16	3	10	68.3	1160	1861	10.105112	
17	3	10	60.2	1247	1227	10.516931	
18	1	10	60.4			10.880996	
19	1	10	93.1			11.432936	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	94.4	1621		0.659869	1
1	3	9	59.0	1725	1127	1.701189	
2	2	9	90.8	1075		2.897208	
3	2	9	85.4	1639		3.944849	
4	1	9	72.2			4.399042	
5	2	9	97.8	1266		5.379902	
6	2	9	94.1	1186		6.082912	
7	1	9	90.6			7.596888	
8	1	9	89.3			8.305338	
9	2	9	64.4	1834		9.857561	
10	2	9	71.8	1926		10.752029	
11	2	9	89.2	1710		11.944613	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	88.9	1671	1359	0.835634	1
1	3	9	65.0	1805	1501	2.346461	
2	2	9	76.2	1965		3.513201	
3	2	9	85.3	1037		4.493342	
4	1	9	57.3			5.216079	
5	2	9	82.9	1897		6.470778	
6	1	9	87.1			8.079994	
7	2	9	52.1	1826		9.173381	
8	1	9	91.3			10.532459	
9	2	9	91.3	1347		11.536606	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	81.7			0.264524	1
1	3	11	88.5	1982	1045	1.674885	
2	2	11	84.9	1013		2.920931	
3	1	11	86.3			3.797317	
4	3	11	77.1	1709	1914	4.701082	
5	1	11	78.2			5.673142	
6	1	11	69.3			6.487276	
7	2	11	97.1	1432		7.988445	
8	3	11	99.8	1025	1087	8.665662	
9	2	11	96.7	1901		9.741482	
10	1	11	56.9			10.296873	
11	3	11	63.2	1702	1642	11.840898	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	95.4	1837	1015	0.298077	1
1	1	18	79.1			1.232517	
2	2	18	81.1	1751		1.377598	
3	2	18	64.1	1777		2.068564	
4	2	18	74.6	1390		3.109930	
5	1	18	93.4			3.501645	
6	2	18	69.6	1820		4.307057	
7	2	18	73.8	1432		4.806534	
8	2	18	88.7	1793		5.560909	
9	2	18	53.5	1461		6.384221	
10	2	18	66.5	1898		7.108407	
11	3	18	54.4	1308	1378	7.846595	
12	2	18	91.3	1593		8.205643	
13	1	18	50.2			9.285227	
14	2	18	79.0	1952		9.888269	
15	2	18	62.3	1542		10.563927	
16	3	18	84.7	1802	1551	10.953083	
17	2	18	78.6	1615		11.574708	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	78.5	1992		0.109051	
1	1	17	95.1			0.703678	
2	3	17	78.3	1693	1551	1.705942	
3	2	17	94.2	1688		2.244612	
4	2	17	60.0	1993		2.721641	
5	2	17	87.5	1756		3.497153	
6	3	17	69.0	1084	1842	4.158765	
7	3	17	70.5	1951	1495	4.905350	
8	1	17	56.0			5.078255	
9	2	17	85.6	1547		6.150365	1
10	2	17	95.8	1506		6.746453	
11	2	17	57.2	1134		7.119499	
12	3	17	85.4	1349	1143	8.026321	
13	2	17	56.9	1352		8.321178	
14	3	17	96.6	1246	1378	9.120788	
15	3	17	74.3	1263	1529	9.961810	
16	2	17	60.4	1420		10.456249	
17	2	17	93.9	1514		11.131776	
18	3	17	88.6	1655	1530	11.790519	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	72.4	1860		0.294023	1
1	2	16	51.3	1840		1.060358	
2	1	16	95.5			1.724183	
3	3	16	79.6	1052	1075	2.019155	
4	1	16	94.8			2.504625	
5	3	16	71.8	1433	1195	3.394194	
6	2	16	57.5	1928		4.181226	
7	2	16	67.5	1912		4.763704	
8	3	16	64.1	1743	1985	5.057954	
9	3	16	84.4	1805	1397	5.875213	
10	2	16	66.1	1620		6.181533	
11	1	16	76.2			6.608845	
12	1	16	85.1			7.528631	
13	1	16	52.4			7.952102	
14	2	16	74.5	1197		8.935016	
15	2	16	93.0	1602		9.031974	
16	3	16	90.0	1933	1523	10.019338	
17	3	16	78.6	1100	1279	10.600670	
18	3	16	96.6	1215	1323	11.164103	
19	2	16	95.3	1970		11.427109	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	94.7			0.786687	1
1	1	12	66.4			1.241346	
2	1	12	84.6			2.438849	
3	1	12	68.8			3.274389	
4	2	12	64.6	1864		4.469400	
5	3	12	98.4	1677	1852	5.191505	
6	2	12	56.1	1978		6.384269	
7	3	12	63.9	1840	1459	6.486144	
8	1	12	81.2			7.936174	
9	3	12	56.6	1642	1346	8.897705	
10	1	12	63.8			10.025069	
11	1	12	69.7			10.365891	
12	1	12	95.5			11.580998	

Bin5 Statistic 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	74.3	1030		0.447798	
1	2	12	54.9	1306		1.679038	
2	2	12	99.3	1251		3.893285	
3	2	12	52.0	1254		5.296505	
4	2	12	80.5	1535		6.469087	1
5	2	12	71.2	1899		6.758310	
6	1	12	60.0			8.391035	
7	3	12	83.5	1452	1702	10.305627	
8	2	12	72.5	1837		11.324349	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	82.1	1639		0.835665	
1	2	9	80.9	1139		2.099676	
2	3	9	88.2	1149	1094	3.334983	
3	1	9	84.2			4.751379	
4	2	9	58.9	1561		5.707495	1
5	2	9	72.7	1336		6.992185	
6	2	9	65.9	1619		8.445093	
7	3	9	59.9	1470	1155	9.660598	
8	1	9	68.0			11.360599	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	85.0	1549	1398	0.139660	
1	2	20	80.0	1378		1.573821	
2	3	20	87.9	1262	1215	2.569823	
3	3	20	63.5	1518	1068	3.383514	
4	2	20	75.2	1817		3.914392	
5	1	20	54.1			4.993547	
6	2	20	54.2	1149		5.967496	1
7	2	20	86.9	1086		7.079384	
8	2	20	69.4	1815		7.686439	
9	2	20	89.4	1853		9.133562	
10	2	20	58.5	1276		9.791469	
11	2	20	59.4	1757		10.964302	
12	3	20	74.3	1625	1866	11.401807	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	57.5	1218	1201	0.657900	
1	1	15	83.6			0.753360	
2	2	15	54.4	1677		1.416812	
3	1	15	72.3			2.306670	
4	2	15	52.1	1209		2.859527	
5	1	15	55.4			4.081179	
6	2	15	78.2	1544		4.489626	
7	2	15	77.1	1615		5.336776	
8	2	15	71.0	1083		5.983999	1
9	2	15	85.4	1210		6.489489	
10	1	15	85.5			7.328324	
11	1	15	78.7			8.188483	
12	2	15	67.4	1018		8.921184	
13	2	15	51.3	1454		9.567937	
14	3	15	72.9	1851	1653	10.223787	
15	3	15	77.9	1084	1765	10.977383	
16	2	15	58.2	1097		11.780336	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	54.3	1604		0.661396	
1	3	19	86.4	1757	1439	2.621573	
2	2	19	91.6	1867		3.544474	
3	2	19	66.5	1214		4.780452	
4	2	19	66.7	1183		5.480760	1
5	2	19	61.6	1847		7.507305	
6	2	19	92.4	1456		8.058490	
7	1	19	60.6			10.612372	
8	3	19	59.8	1417	1514	10.934755	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	75.4			0.695551	
1	1	7	63.2			1.294027	
2	2	7	90.5	1297		1.804166	
3	3	7	97.0	1088	1159	2.850069	
4	1	7	56.3			3.564943	
5	1	7	94.3			4.393960	
6	2	7	69.2	1284		4.734245	
7	1	7	76.6			5.824138	
8	3	7	92.8	1534	1892	6.621254	1
9	1	7	71.5			6.774655	
10	1	7	54.7			7.854595	
11	3	7	91.7	1685	1495	8.526261	
12	2	7	71.0	1693		9.049647	
13	1	7	72.8			9.836425	
14	2	7	63.3	1684		11.017252	
15	2	7	65.2	1072		11.368511	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	52.2			0.045469	0
1	1	8	55.1			1.275819	
2	2	8	90.7	1673		3.136695	
3	3	8	86.3	1839	1918	3.648288	
4	2	8	65.7	1620		5.332515	
5	2	8	80.5	1489		5.632728	
6	3	8	51.6	1190	1840	6.938220	
7	2	8	53.8	1288		7.695100	
8	3	8	77.7	1488	1944	8.972080	
9	3	8	50.1	1653	1712	10.531550	
10	2	8	63.4	1516		11.021520	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	90.1	1681	1643	0.118750	1
1	1	17	51.1			1.306591	
2	2	17	82.8	1101		1.668309	
3	3	17	56.6	1720	1061	2.620519	
4	1	17	80.2			2.794918	
5	2	17	57.9	1804		3.713543	
6	3	17	89.2	1382	1541	4.206848	
7	3	17	87.0	1165	1596	4.929504	
8	1	17	73.1			5.749328	
9	3	17	57.0	1353	1463	6.541915	
10	3	17	84.5	1381	1766	6.754448	
11	3	17	64.5	1396	1027	7.402446	
12	3	17	80.3	1987	1472	8.382884	
13	3	17	52.8	1842	1299	9.124665	
14	2	17	91.8	1411		9.730119	
15	2	17	92.5	1134		10.595627	
16	3	17	97.3	1586	1070	10.814807	
17	2	17	56.9	1215		11.587454	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	77.8	1698	1109	0.413247	
1	1	13	73.6			1.048893	
2	3	13	96.5	1385	1452	1.983180	
3	3	13	91.3	1660	1208	2.866389	
4	3	13	76.2	1827	1699	3.262233	
5	2	13	71.9	1304		4.021577	
6	1	13	80.7			5.590991	
7	2	13	83.6	1255		6.277034	1
8	2	13	52.1	1939		6.453272	
9	3	13	68.7	1457	1248	7.441787	
10	1	13	69.6			8.630608	
11	2	13	82.8	1551		9.229318	
12	2	13	64.0	1253		10.310468	
13	2	13	99.6	1952		10.888233	
14	1	13	50.1			11.502088	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	94.9			0.253914	
1	3	6	57.0	1899	1741	0.774529	
2	1	6	56.8			1.563472	
3	2	6	99.2	1082		2.511871	
4	2	6	90.0	1865		3.172455	
5	3	6	70.9	1722	1241	3.573008	
6	3	6	62.3	1461	1334	4.272180	
7	2	6	50.2	1669		5.029630	
8	2	6	68.9	1386		5.491151	
9	2	6	91.4	1315		6.061586	1
10	2	6	52.3	1231		7.189516	
11	2	6	64.7	1304		7.397278	
12	3	6	78.3	1867	1450	8.378304	
13	3	6	71.0	1833	1669	8.854832	
14	2	6	87.5	1405		9.716228	
15	3	6	63.3	1764	1022	10.230538	
16	3	6	67.5	1251	1186	11.151913	
17	2	6	53.5	1876		11.904936	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	75.7	1287		0.800793	
1	2	11	91.4	1545		0.991281	
2	1	11	85.7			2.015397	
3	2	11	53.4	1543		3.140706	
4	2	11	72.6	1096		4.039962	
5	3	11	74.4	1915	1858	5.034065	
6	3	11	55.5	1456	1033	5.626132	1
7	1	11	79.1			7.363786	
8	2	11	68.3	1372		7.440061	
9	2	11	63.2	1284		8.717350	
10	1	11	93.6			9.949867	
11	2	11	84.0	1774		10.951106	
12	2	11	76.2	1484		11.794616	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	94.0	1887		0.320471	
1	2	18	55.3	1312		1.063655	
2	2	18	81.1	1022		1.570978	
3	3	18	60.0	1874	1940	2.040094	
4	3	18	78.2	1822	1789	2.829471	
5	2	18	94.7	1723		3.445190	
6	2	18	91.9	1330		4.111397	
7	2	18	57.0	1313		4.277389	
8	2	18	92.1	1779		5.120830	
9	3	18	99.5	1640	1590	5.980140	
10	2	18	98.4	1169		6.344972	1
11	1	18	75.4			7.075495	
12	2	18	77.9	1836		7.527101	
13	1	18	95.0			8.055241	
14	2	18	87.1	1814		8.979686	
15	1	18	92.3			9.037618	
16	2	18	64.0	1692		9.827268	
17	2	18	65.3	1867		10.416940	
18	1	18	68.7			11.031959	
19	2	18	80.0	1739		11.626398	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	99.6	1909	1253	0.590257	1
1	1	14	79.6			1.265850	
2	1	14	83.4			1.998340	
3	2	14	79.0	1070		2.725531	
4	2	14	57.2	1221		3.099722	
5	2	14	89.7	1673		4.144222	
6	1	14	69.2			5.237940	
7	1	14	91.6			5.540058	
8	1	14	92.2			6.084987	
9	2	14	86.7	1209		7.332654	
10	2	14	78.8	1692		7.630312	
11	2	14	67.7	1162		8.306160	
12	3	14	63.3	1134	1974	9.059460	
13	1	14	83.4			9.851080	
14	2	14	92.1	1853		11.240427	
15	3	14	83.3	1204	1282	11.623926	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	60.5	1518		0.088501	1
1	1	13	91.1			1.231999	
2	2	13	77.1	1688		2.180031	
3	2	13	84.1	1049		2.609439	
4	2	13	91.3	1728		3.355033	
5	3	13	64.0	1685	1611	4.584135	
6	3	13	89.9	1300	1142	5.093268	
7	1	13	52.0			6.148583	
8	1	13	51.9			6.614605	
9	2	13	76.4	1893		7.612776	
10	3	13	58.5	1003	1500	8.421392	
11	2	13	78.9	1881		9.584426	
12	2	13	77.8	1276		9.878597	
13	3	13	79.7	1890	1496	10.435654	
14	1	13	50.5			11.275970	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	92.8	1872		0.355738	
1	2	7	80.8	1880		1.303451	
2	3	7	54.1	1146	1478	1.993166	
3	2	7	60.5	1135		2.847672	
4	1	7	62.3			3.731206	
5	2	7	93.6	1294		4.669780	
6	3	7	95.7	1026	1121	4.983425	
7	2	7	77.0	1177		5.996516	1
8	2	7	87.5	1328		7.167465	
9	2	7	79.6	1852		7.563026	
10	2	7	93.4	1882		8.311772	
11	2	7	66.3	1991		8.874828	
12	3	7	50.6	1812	1231	9.783703	
13	3	7	94.3	1812	1045	10.566694	
14	2	7	95.8	1857		11.764581	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	63.7			0.263390	
1	2	20	88.8	1502		1.127059	
2	1	20	96.3			1.244094	
3	1	20	68.3			2.081290	
4	3	20	56.5	1309	1578	2.639932	
5	2	20	51.9	1494		3.230568	
6	2	20	89.6	1230		3.998637	
7	3	20	93.3	1271	1660	4.610669	
8	2	20	81.3	1572		4.933217	
9	1	20	93.7			5.473882	
10	2	20	86.0	1171		6.337635	0
11	3	20	71.4	1759	1706	6.840180	
12	3	20	67.1	1198	1170	7.769634	
13	3	20	51.3	1044	1094	7.853318	
14	2	20	85.1	1911		8.911287	
15	2	20	92.8	1410		9.475697	
16	3	20	51.8	1594	1458	10.000069	
17	2	20	56.9	1358		10.203020	
18	2	20	89.2	1777		10.885054	
19	2	20	80.9	1358		11.416727	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5550.0	9	1.0	333	1	5570.0, 5343.0, 5667.0, 5344.0, 5701.0, 5504.0, 5349.0, 5620.0, 5495.0, 5695.0, 5280.0, 5653.0, 5414.0, 5654.0, 5684.0, 5511.0, 5265.0, 5564.0, 5406.0, 5500.0, 5316.0, 5576.0, 5471.0, 5679.0, 5279.0, 5665.0, 5365.0, 5398.0, 5432.0, 5702.0, 5602.0, 5357.0, 5646.0, 5397.0, 5499.0, 5255.0, 5453.0, 5539.0, 5258.0, 5290.0, 5454.0, 5456.0, 5584.0, 5458.0, 5270.0, 5309.0, 5614.0, 5375.0, 5651.0, 5446.0, 5586.0, 5566.0, 5588.0, 5411.0, 5506.0, 5387.0, 5348.0, 5337.0, 5436.0, 5590.0, 5350.0, 5351.0, 5534.0, 5632.0, 5509.0, 5521.0, 5267.0, 5459.0, 5516.0, 5652.0, 5264.0, 5369.0, 5445.0, 5608.0, 5484.0, 5538.0, 5430.0, 5285.0, 5639.0, 5273.0, 5355.0, 5486.0, 5674.0, 5631.0, 5560.0, 5252.0, 5528.0, 5359.0, 5623.0, 5320.0, 5266.0, 5473.0, 5672.0, 5416.0, 5401.0, 5633.0, 5572.0, 5698.0, 5259.0, 5603.0 (number of hits: 6)
2	5550.0	9	1.0	333	1	5387.0, 5404.0, 5470.0, 5608.0, 5718.0, 5321.0, 5523.0, 5584.0, 5277.0, 5396.0, 5684.0, 5305.0, 5667.0, 5303.0, 5380.0, 5559.0, 5578.0, 5254.0, 5274.0, 5485.0, 5366.0, 5698.0, 5356.0, 5607.0, 5431.0, 5640.0, 5632.0, 5714.0, 5436.0, 5605.0, 5652.0, 5638.0, 5401.0, 5646.0, 5349.0, 5606.0, 5560.0, 5330.0, 5551.0, 5504.0, 5580.0, 5433.0, 5482.0, 5585.0, 5306.0, 5355.0, 5415.0, 5407.0, 5687.0, 5595.0, 5261.0, 5410.0, 5256.0, 5320.0, 5654.0, 5304.0, 5708.0, 5308.0, 5463.0, 5331.0, 5530.0, 5639.0, 5490.0, 5627.0, 5554.0, 5669.0, 5373.0, 5327.0, 5467.0, 5628.0, 5598.0, 5675.0, 5365.0, 5432.0, 5701.0, 5636.0, 5558.0, 5540.0, 5662.0, 5344.0, 5614.0, 5309.0, 5522.0, 5342.0, 5624.0, 5428.0, 5480.0, 5651.0, 5568.0, 5688.0, 5363.0, 5642.0, 5367.0, 5465.0, 5384.0, 5566.0, 5622.0, 5699.0, 5479.0, 5535.0 (number of hits: 8)
3	5550.0	9	1.0	333	1	5660.0, 5456.0, 5614.0, 5331.0, 5648.0, 5659.0, 5408.0, 5474.0, 5399.0, 5716.0, 5401.0, 5638.0, 5584.0, 5515.0, 5497.0, 5685.0, 5561.0, 5552.0, 5558.0, 5446.0, 5548.0, 5306.0, 5322.0, 5649.0, 5279.0, 5713.0, 5653.0, 5668.0, 5381.0, 5642.0, 5609.0, 5421.0, 5454.0, 5615.0, 5611.0, 5385.0, 5465.0, 5346.0, 5637.0, 5577.0, 5447.0, 5619.0, 5303.0, 5511.0, 5706.0, 5290.0, 5439.0, 5672.0, 5576.0, 5622.0, 5485.0, 5535.0, 5657.0, 5596.0, 5365.0, 5536.0, 5475.0, 5505.0, 5719.0, 5472.0, 5256.0, 5463.0, 5698.0, 5372.0, 5693.0, 5526.0, 5250.0, 5670.0, 5450.0, 5427.0, 5566.0, 5302.0, 5484.0, 5327.0, 5549.0, 5696.0, 5722.0, 5711.0, 5461.0, 5627.0, 5406.0, 5360.0, 5298.0, 5358.0, 5557.0, 5457.0, 5708.0, 5575.0, 5333.0, 5317.0, 5319.0, 5345.0, 5688.0, 5383.0, 5336.0, 5420.0, 5618.0, 5607.0, 5699.0, 5338.0 (number of hits: 9)
4	5550.0	9	1.0	333	1	5605.0, 5339.0, 5608.0, 5722.0, 5368.0, 5372.0, 5417.0, 5352.0, 5469.0, 5266.0, 5676.0, 5327.0, 5496.0, 5632.0, 5526.0, 5458.0, 5412.0, 5646.0, 5656.0, 5663.0, 5453.0, 5709.0, 5506.0, 5521.0, 5603.0, 5419.0, 5478.0, 5701.0, 5295.0, 5265.0, 5516.0, 5448.0, 5501.0, 5479.0, 5285.0, 5367.0, 5346.0, 5292.0, 5385.0, 5683.0, 5532.0, 5498.0, 5470.0, 5401.0, 5342.0, 5718.0, 5381.0, 5325.0, 5425.0, 5670.0, 5364.0, 5577.0, 5596.0, 5463.0, 5642.0, 5380.0, 5461.0, 5383.0, 5466.0, 5255.0, 5615.0, 5273.0, 5457.0, 5351.0, 5384.0, 5697.0, 5638.0, 5502.0, 5354.0, 5370.0,

						5569.0, 5654.0, 5523.0, 5488.0, 5499.0, 5579.0, 5316.0, 5595.0, 5334.0, 5320.0, 5566.0, 5330.0, 5500.0, 5614.0, 5475.0, 5673.0, 5698.0, 5361.0, 5522.0, 5512.0, 5561.0, 5445.0, 5690.0, 5675.0, 5302.0, 5599.0, 5699.0, 5257.0, 5365.0, 5681.0 (number of hits: 3)
5	5550.0	9	1.0	333	1	5653.0, 5521.0, 5333.0, 5299.0, 5715.0, 5606.0, 5528.0, 5618.0, 5632.0, 5575.0, 5587.0, 5677.0, 5723.0, 5355.0, 5460.0, 5718.0, 5406.0, 5268.0, 5320.0, 5425.0, 5622.0, 5652.0, 5392.0, 5424.0, 5565.0, 5378.0, 5456.0, 5545.0, 5479.0, 5650.0, 5684.0, 5578.0, 5402.0, 5466.0, 5278.0, 5517.0, 5722.0, 5404.0, 5541.0, 5467.0, 5263.0, 5470.0, 5408.0, 5551.0, 5266.0, 5511.0, 5693.0, 5591.0, 5522.0, 5664.0, 5286.0, 5331.0, 5519.0, 5343.0, 5431.0, 5499.0, 5338.0, 5651.0, 5668.0, 5555.0, 5316.0, 5399.0, 5580.0, 5639.0, 5540.0, 5273.0, 5550.0, 5501.0, 5372.0, 5620.0, 5442.0, 5631.0, 5301.0, 5463.0, 5641.0, 5666.0, 5302.0, 5532.0, 5635.0, 5455.0, 5256.0, 5417.0, 5633.0, 5658.0, 5529.0, 5720.0, 5258.0, 5487.0, 5558.0, 5678.0, 5567.0, 5284.0, 5696.0, 5667.0, 5694.0, 5400.0, 5673.0, 5584.0, 5692.0, 5568.0 (number of hits: 10)
6	5550.0	9	1.0	333	1	5645.0, 5599.0, 5636.0, 5571.0, 5336.0, 5529.0, 5649.0, 5286.0, 5476.0, 5376.0, 5380.0, 5355.0, 5407.0, 5694.0, 5364.0, 5446.0, 5374.0, 5559.0, 5623.0, 5263.0, 5668.0, 5264.0, 5348.0, 5592.0, 5474.0, 5329.0, 5506.0, 5532.0, 5406.0, 5515.0, 5560.0, 5590.0, 5650.0, 5351.0, 5699.0, 5570.0, 5481.0, 5454.0, 5651.0, 5378.0, 5259.0, 5332.0, 5356.0, 5617.0, 5455.0, 5409.0, 5486.0, 5284.0, 5601.0, 5536.0, 5402.0, 5528.0, 5503.0, 5509.0, 5341.0, 5335.0, 5304.0, 5252.0, 5602.0, 5550.0, 5423.0, 5295.0, 5444.0, 5633.0, 5347.0, 5427.0, 5690.0, 5428.0, 5435.0, 5696.0, 5640.0, 5300.0, 5272.0, 5305.0, 5452.0, 5621.0, 5461.0, 5609.0, 5541.0, 5630.0, 5296.0, 5345.0, 5676.0, 5283.0, 5352.0, 5722.0, 5410.0, 5261.0, 5391.0, 5478.0, 5361.0, 5463.0, 5346.0, 5441.0, 5334.0, 5706.0, 5482.0, 5500.0, 5556.0, 5582.0 (number of hits: 7)
7	5550.0	9	1.0	333	1	5280.0, 5287.0, 5475.0, 5552.0, 5397.0, 5477.0, 5686.0, 5676.0, 5675.0, 5655.0, 5713.0, 5526.0, 5723.0, 5295.0, 5360.0, 5390.0, 5430.0, 5472.0, 5527.0, 5435.0, 5715.0, 5599.0, 5284.0, 5318.0, 5404.0, 5311.0, 5687.0, 5403.0, 5317.0, 5517.0, 5605.0, 5644.0, 5378.0, 5298.0, 5708.0, 5385.0, 5636.0, 5375.0, 5684.0, 5697.0, 5376.0, 5482.0, 5365.0, 5258.0, 5402.0, 5521.0, 5545.0, 5640.0, 5493.0, 5456.0, 5344.0, 5312.0, 5444.0, 5428.0, 5485.0, 5568.0, 5520.0, 5703.0, 5448.0, 5574.0, 5479.0, 5630.0, 5559.0, 5577.0, 5600.0, 5371.0, 5460.0, 5629.0, 5302.0, 5586.0, 5699.0, 5351.0, 5398.0, 5309.0, 5410.0, 5573.0, 5650.0, 5334.0, 5529.0, 5673.0, 5291.0, 5474.0, 5722.0, 5680.0, 5373.0, 5271.0, 5407.0, 5446.0, 5308.0, 5399.0, 5413.0, 5651.0, 5443.0, 5329.0, 5285.0, 5635.0, 5711.0, 5615.0, 5585.0, 5420.0 (number of hits: 3)
8	5550.0	9	1.0	333	1	5504.0, 5362.0, 5361.0, 5507.0, 5619.0, 5471.0, 5579.0, 5310.0, 5601.0, 5465.0, 5581.0, 5525.0, 5600.0, 5252.0, 5589.0, 5697.0, 5383.0, 5401.0, 5255.0, 5319.0, 5582.0, 5305.0, 5528.0, 5568.0, 5253.0, 5533.0, 5712.0, 5363.0, 5612.0, 5562.0, 5322.0, 5544.0, 5343.0, 5289.0, 5526.0, 5295.0, 5653.0, 5679.0, 5695.0, 5674.0, 5436.0, 5293.0, 5607.0, 5604.0, 5680.0, 5700.0, 5327.0, 5410.0, 5486.0, 5681.0, 5650.0, 5478.0, 5439.0, 5492.0, 5627.0, 5291.0, 5491.0, 5555.0, 5644.0, 5638.0, 5455.0, 5564.0, 5430.0, 5366.0, 5557.0, 5329.0, 5254.0, 5536.0, 5406.0, 5576.0, 5550.0, 5453.0, 5450.0, 5351.0, 5636.0, 5481.0, 5684.0, 5649.0, 5355.0, 5624.0, 5368.0, 5275.0, 5676.0, 5342.0,

						5304.0, 5505.0, 5498.0, 5696.0, 5466.0, 5707.0, 5392.0, 5434.0, 5396.0, 5618.0, 5559.0, 5592.0, 5535.0, 5334.0, 5284.0, 5556.0 (number of hits: 11)
9	5550.0	9	1.0	333	1	5498.0, 5705.0, 5414.0, 5504.0, 5551.0, 5306.0, 5479.0, 5640.0, 5476.0, 5257.0, 5343.0, 5421.0, 5674.0, 5713.0, 5450.0, 5452.0, 5279.0, 5413.0, 5423.0, 5422.0, 5691.0, 5546.0, 5697.0, 5696.0, 5392.0, 5370.0, 5281.0, 5718.0, 5560.0, 5300.0, 5347.0, 5356.0, 5699.0, 5467.0, 5480.0, 5457.0, 5505.0, 5507.0, 5724.0, 5615.0, 5400.0, 5454.0, 5393.0, 5461.0, 5287.0, 5715.0, 5296.0, 5435.0, 5491.0, 5533.0, 5286.0, 5637.0, 5647.0, 5365.0, 5628.0, 5642.0, 5570.0, 5271.0, 5409.0, 5669.0, 5517.0, 5631.0, 5292.0, 5388.0, 5550.0, 5531.0, 5336.0, 5586.0, 5297.0, 5503.0, 5577.0, 5420.0, 5670.0, 5562.0, 5381.0, 5444.0, 5383.0, 5639.0, 5408.0, 5555.0, 5376.0, 5596.0, 5613.0, 5387.0, 5464.0, 5695.0, 5354.0, 5548.0, 5606.0, 5611.0, 5717.0, 5645.0, 5568.0, 5573.0, 5563.0, 5386.0, 5564.0, 5268.0, 5478.0, 5625.0 (number of hits: 10)
10	5550.0	9	1.0	333	1	5369.0, 5375.0, 5344.0, 5582.0, 5684.0, 5465.0, 5537.0, 5384.0, 5659.0, 5262.0, 5550.0, 5448.0, 5586.0, 5644.0, 5482.0, 5640.0, 5544.0, 5308.0, 5548.0, 5424.0, 5440.0, 5549.0, 5661.0, 5321.0, 5455.0, 5597.0, 5508.0, 5300.0, 5704.0, 5485.0, 5488.0, 5280.0, 5610.0, 5414.0, 5645.0, 5358.0, 5600.0, 5445.0, 5499.0, 5705.0, 5380.0, 5345.0, 5270.0, 5390.0, 5348.0, 5689.0, 5593.0, 5315.0, 5580.0, 5290.0, 5359.0, 5639.0, 5619.0, 5559.0, 5622.0, 5496.0, 5349.0, 5293.0, 5360.0, 5254.0, 5522.0, 5716.0, 5299.0, 5515.0, 5532.0, 5605.0, 5431.0, 5396.0, 5572.0, 5382.0, 5604.0, 5423.0, 5507.0, 5535.0, 5301.0, 5405.0, 5272.0, 5355.0, 5307.0, 5570.0, 5388.0, 5483.0, 5420.0, 5524.0, 5678.0, 5602.0, 5347.0, 5700.0, 5601.0, 5636.0, 5617.0, 5674.0, 5399.0, 5653.0, 5486.0, 5585.0, 5303.0, 5699.0, 5539.0, 5407.0 (number of hits: 9)
11	5550.0	9	1.0	333	1	5681.0, 5457.0, 5684.0, 5599.0, 5315.0, 5604.0, 5535.0, 5652.0, 5332.0, 5408.0, 5549.0, 5298.0, 5723.0, 5679.0, 5266.0, 5347.0, 5704.0, 5419.0, 5611.0, 5588.0, 5476.0, 5643.0, 5477.0, 5341.0, 5356.0, 5630.0, 5687.0, 5449.0, 5382.0, 5482.0, 5686.0, 5288.0, 5385.0, 5319.0, 5463.0, 5414.0, 5276.0, 5632.0, 5551.0, 5595.0, 5264.0, 5474.0, 5455.0, 5398.0, 5698.0, 5631.0, 5512.0, 5371.0, 5297.0, 5545.0, 5543.0, 5503.0, 5627.0, 5373.0, 5337.0, 5400.0, 5428.0, 5451.0, 5717.0, 5718.0, 5671.0, 5291.0, 5331.0, 5346.0, 5403.0, 5447.0, 5598.0, 5366.0, 5420.0, 5431.0, 5659.0, 5269.0, 5579.0, 5289.0, 5429.0, 5602.0, 5492.0, 5351.0, 5314.0, 5295.0, 5658.0, 5720.0, 5517.0, 5251.0, 5621.0, 5265.0, 5334.0, 5444.0, 5391.0, 5610.0, 5262.0, 5393.0, 5424.0, 5368.0, 5697.0, 5708.0, 5336.0, 5423.0, 5300.0, 5459.0 (number of hits: 5)
12	5550.0	9	1.0	333	1	5641.0, 5449.0, 5297.0, 5493.0, 5711.0, 5653.0, 5587.0, 5672.0, 5504.0, 5357.0, 5704.0, 5486.0, 5472.0, 5415.0, 5279.0, 5572.0, 5662.0, 5660.0, 5586.0, 5610.0, 5617.0, 5455.0, 5331.0, 5652.0, 5508.0, 5639.0, 5717.0, 5573.0, 5719.0, 5329.0, 5435.0, 5484.0, 5327.0, 5442.0, 5285.0, 5457.0, 5271.0, 5413.0, 5340.0, 5261.0, 5495.0, 5268.0, 5403.0, 5325.0, 5686.0, 5259.0, 5501.0, 5373.0, 5407.0, 5475.0, 5361.0, 5254.0, 5309.0, 5503.0, 5344.0, 5348.0, 5372.0, 5258.0, 5306.0, 5275.0, 5716.0, 5263.0, 5546.0, 5670.0, 5666.0, 5522.0, 5460.0, 5446.0, 5521.0, 5272.0, 5599.0, 5584.0, 5420.0, 5647.0, 5305.0, 5535.0, 5581.0, 5496.0, 5663.0, 5422.0, 5282.0, 5542.0, 5567.0, 5482.0, 5619.0, 5410.0, 5554.0, 5605.0, 5622.0, 5448.0, 5452.0, 5526.0, 5310.0, 5699.0, 5428.0, 5557.0, 5585.0, 5592.0,

						5613.0, 5283.0 (number of hits: 6)
13	5550.0	9	1.0	333	1	5610.0, 5345.0, 5336.0, 5480.0, 5543.0, 5576.0, 5361.0, 5640.0, 5292.0, 5326.0, 5722.0, 5287.0, 5462.0, 5635.0, 5460.0, 5720.0, 5688.0, 5593.0, 5467.0, 5282.0, 5454.0, 5718.0, 5516.0, 5379.0, 5549.0, 5383.0, 5588.0, 5652.0, 5358.0, 5680.0, 5376.0, 5560.0, 5324.0, 5280.0, 5538.0, 5637.0, 5717.0, 5441.0, 5552.0, 5660.0, 5626.0, 5604.0, 5693.0, 5322.0, 5328.0, 5416.0, 5327.0, 5415.0, 5671.0, 5346.0, 5331.0, 5277.0, 5359.0, 5498.0, 5394.0, 5459.0, 5364.0, 5464.0, 5492.0, 5657.0, 5475.0, 5456.0, 5374.0, 5701.0, 5557.0, 5579.0, 5502.0, 5686.0, 5503.0, 5299.0, 5343.0, 5474.0, 5301.0, 5570.0, 5427.0, 5675.0, 5633.0, 5541.0, 5422.0, 5598.0, 5487.0, 5638.0, 5656.0, 5405.0, 5670.0, 5501.0, 5332.0, 5661.0, 5724.0, 5519.0, 5386.0, 5506.0, 5397.0, 5421.0, 5312.0, 5542.0, 5522.0, 5564.0, 5469.0, 5592.0 (number of hits: 9)
14	5550.0	9	1.0	333	1	5398.0, 5655.0, 5282.0, 5701.0, 5644.0, 5412.0, 5686.0, 5506.0, 5500.0, 5349.0, 5348.0, 5279.0, 5386.0, 5369.0, 5326.0, 5572.0, 5594.0, 5557.0, 5637.0, 5407.0, 5418.0, 5564.0, 5619.0, 5683.0, 5417.0, 5639.0, 5354.0, 5720.0, 5548.0, 5277.0, 5582.0, 5480.0, 5357.0, 5632.0, 5375.0, 5519.0, 5261.0, 5385.0, 5567.0, 5424.0, 5312.0, 5406.0, 5422.0, 5592.0, 5285.0, 5260.0, 5512.0, 5541.0, 5554.0, 5343.0, 5266.0, 5681.0, 5693.0, 5486.0, 5544.0, 5452.0, 5588.0, 5360.0, 5496.0, 5469.0, 5489.0, 5711.0, 5370.0, 5337.0, 5589.0, 5598.0, 5552.0, 5653.0, 5563.0, 5659.0, 5710.0, 5295.0, 5333.0, 5679.0, 5509.0, 5379.0, 5401.0, 5555.0, 5665.0, 5549.0, 5674.0, 5526.0, 5265.0, 5645.0, 5530.0, 5705.0, 5336.0, 5437.0, 5388.0, 5387.0, 5352.0, 5304.0, 5666.0, 5581.0, 5395.0, 5274.0, 5724.0, 5636.0, 5626.0, 5513.0 (number of hits: 11)
15	5550.0	9	1.0	333	1	5366.0, 5446.0, 5605.0, 5650.0, 5691.0, 5318.0, 5572.0, 5468.0, 5579.0, 5545.0, 5289.0, 5498.0, 5672.0, 5259.0, 5484.0, 5291.0, 5677.0, 5688.0, 5510.0, 5417.0, 5681.0, 5482.0, 5603.0, 5723.0, 5540.0, 5319.0, 5719.0, 5431.0, 5660.0, 5456.0, 5357.0, 5328.0, 5377.0, 5390.0, 5588.0, 5648.0, 5665.0, 5310.0, 5483.0, 5409.0, 5363.0, 5523.0, 5683.0, 5326.0, 5506.0, 5697.0, 5353.0, 5256.0, 5647.0, 5535.0, 5269.0, 5477.0, 5571.0, 5340.0, 5629.0, 5298.0, 5604.0, 5251.0, 5314.0, 5346.0, 5689.0, 5711.0, 5680.0, 5491.0, 5675.0, 5437.0, 5609.0, 5368.0, 5321.0, 5565.0, 5428.0, 5450.0, 5592.0, 5622.0, 5707.0, 5281.0, 5527.0, 5646.0, 5518.0, 5696.0, 5312.0, 5304.0, 5262.0, 5335.0, 5509.0, 5440.0, 5457.0, 5267.0, 5441.0, 5667.0, 5500.0, 5270.0, 5403.0, 5383.0, 5299.0, 5546.0, 5423.0, 5522.0, 5416.0, 5533.0 (number of hits: 6)
16	5550.0	9	1.0	333	1	5690.0, 5710.0, 5575.0, 5691.0, 5425.0, 5506.0, 5452.0, 5332.0, 5439.0, 5357.0, 5480.0, 5522.0, 5301.0, 5595.0, 5483.0, 5464.0, 5709.0, 5303.0, 5320.0, 5261.0, 5297.0, 5307.0, 5624.0, 5667.0, 5634.0, 5324.0, 5587.0, 5495.0, 5486.0, 5255.0, 5373.0, 5423.0, 5302.0, 5617.0, 5484.0, 5458.0, 5393.0, 5407.0, 5410.0, 5351.0, 5390.0, 5262.0, 5485.0, 5703.0, 5654.0, 5356.0, 5720.0, 5675.0, 5523.0, 5304.0, 5513.0, 5461.0, 5502.0, 5283.0, 5378.0, 5546.0, 5276.0, 5440.0, 5614.0, 5626.0, 5696.0, 5552.0, 5600.0, 5638.0, 5375.0, 5338.0, 5533.0, 5253.0, 5646.0, 5258.0, 5312.0, 5606.0, 5550.0, 5453.0, 5402.0, 5433.0, 5526.0, 5647.0, 5557.0, 5427.0, 5527.0, 5516.0, 5674.0, 5517.0, 5432.0, 5534.0, 5532.0, 5347.0, 5451.0, 5493.0, 5426.0,

						5489.0, 5345.0, 5560.0, 5492.0, 5499.0, 5284.0, 5385.0, 5488.0, 5305.0 (number of hits: 8)
17	5550.0	9	1.0	333	1	5614.0, 5439.0, 5252.0, 5507.0, 5529.0, 5642.0, 5686.0, 5588.0, 5481.0, 5598.0, 5525.0, 5501.0, 5666.0, 5302.0, 5419.0, 5676.0, 5328.0, 5562.0, 5518.0, 5680.0, 5662.0, 5448.0, 5565.0, 5721.0, 5519.0, 5471.0, 5284.0, 5370.0, 5407.0, 5409.0, 5268.0, 5523.0, 5709.0, 5650.0, 5713.0, 5257.0, 5649.0, 5604.0, 5718.0, 5440.0, 5653.0, 5668.0, 5260.0, 5368.0, 5643.0, 5449.0, 5635.0, 5379.0, 5403.0, 5316.0, 5490.0, 5475.0, 5512.0, 5611.0, 5472.0, 5682.0, 5527.0, 5687.0, 5674.0, 5251.0, 5664.0, 5489.0, 5466.0, 5333.0, 5254.0, 5312.0, 5287.0, 5452.0, 5617.0, 5541.0, 5415.0, 5341.0, 5392.0, 5675.0, 5478.0, 5384.0, 5723.0, 5560.0, 5612.0, 5444.0, 5593.0, 5561.0, 5394.0, 5267.0, 5702.0, 5309.0, 5447.0, 5703.0, 5609.0, 5431.0, 5412.0, 5582.0, 5357.0, 5337.0, 5520.0, 5348.0, 5388.0, 5613.0, 5324.0, 5622.0 (number of hits: 5)
18	5550.0	9	1.0	333	1	5316.0, 5708.0, 5370.0, 5531.0, 5603.0, 5557.0, 5705.0, 5293.0, 5663.0, 5498.0, 5692.0, 5554.0, 5477.0, 5669.0, 5650.0, 5306.0, 5491.0, 5599.0, 5447.0, 5444.0, 5626.0, 5459.0, 5384.0, 5278.0, 5361.0, 5453.0, 5561.0, 5697.0, 5673.0, 5536.0, 5718.0, 5497.0, 5430.0, 5360.0, 5671.0, 5310.0, 5473.0, 5480.0, 5495.0, 5385.0, 5529.0, 5696.0, 5607.0, 5545.0, 5552.0, 5573.0, 5591.0, 5289.0, 5520.0, 5282.0, 5681.0, 5555.0, 5408.0, 5446.0, 5339.0, 5298.0, 5443.0, 5365.0, 5490.0, 5568.0, 5288.0, 5720.0, 5668.0, 5560.0, 5575.0, 5321.0, 5540.0, 5493.0, 5324.0, 5640.0, 5590.0, 5518.0, 5269.0, 5448.0, 5267.0, 5400.0, 5698.0, 5717.0, 5294.0, 5404.0, 5346.0, 5304.0, 5445.0, 5419.0, 5614.0, 5296.0, 5542.0, 5468.0, 5647.0, 5566.0, 5358.0, 5537.0, 5397.0, 5550.0, 5564.0, 5258.0, 5287.0, 5642.0, 5580.0, 5662.0 (number of hits: 14)
19	5550.0	9	1.0	333	1	5342.0, 5357.0, 5433.0, 5399.0, 5553.0, 5301.0, 5562.0, 5699.0, 5383.0, 5663.0, 5287.0, 5450.0, 5530.0, 5675.0, 5636.0, 5684.0, 5577.0, 5389.0, 5506.0, 5514.0, 5460.0, 5654.0, 5428.0, 5693.0, 5520.0, 5551.0, 5680.0, 5564.0, 5712.0, 5576.0, 5403.0, 5519.0, 5633.0, 5261.0, 5469.0, 5589.0, 5373.0, 5596.0, 5701.0, 5267.0, 5393.0, 5286.0, 5697.0, 5461.0, 5445.0, 5475.0, 5647.0, 5714.0, 5443.0, 5402.0, 5560.0, 5677.0, 5253.0, 5552.0, 5627.0, 5500.0, 5594.0, 5266.0, 5566.0, 5504.0, 5465.0, 5485.0, 5292.0, 5458.0, 5324.0, 5400.0, 5681.0, 5542.0, 5405.0, 5678.0, 5366.0, 5255.0, 5616.0, 5268.0, 5580.0, 5687.0, 5723.0, 5710.0, 5335.0, 5444.0, 5353.0, 5438.0, 5423.0, 5282.0, 5408.0, 5470.0, 5683.0, 5578.0, 5620.0, 5296.0, 5318.0, 5617.0, 5604.0, 5581.0, 5631.0, 5265.0, 5492.0, 5325.0, 5608.0, 5484.0 (number of hits: 8)
20	5550.0	9	1.0	333	1	5358.0, 5621.0, 5704.0, 5264.0, 5586.0, 5312.0, 5625.0, 5392.0, 5394.0, 5526.0, 5635.0, 5605.0, 5711.0, 5260.0, 5508.0, 5574.0, 5592.0, 5347.0, 5402.0, 5440.0, 5291.0, 5399.0, 5269.0, 5691.0, 5713.0, 5309.0, 5306.0, 5525.0, 5502.0, 5602.0, 5682.0, 5378.0, 5376.0, 5443.0, 5328.0, 5548.0, 5397.0, 5500.0, 5329.0, 5545.0, 5477.0, 5641.0, 5542.0, 5271.0, 5628.0, 5496.0, 5408.0, 5702.0, 5570.0, 5359.0, 5493.0, 5379.0, 5380.0, 5405.0, 5333.0, 5638.0, 5346.0, 5255.0, 5349.0, 5540.0, 5417.0, 5544.0, 5254.0, 5504.0, 5472.0, 5617.0, 5414.0, 5459.0, 5624.0, 5422.0, 5262.0, 5400.0, 5375.0, 5699.0, 5622.0, 5299.0, 5343.0, 5275.0, 5615.0, 5351.0, 5630.0, 5549.0, 5287.0, 5411.0, 5593.0, 5447.0, 5663.0, 5714.0, 5302.0, 5675.0, 5285.0, 5588.0, 5656.0, 5696.0, 5616.0, 5265.0, 5536.0, 5268.0, 5513.0, 5340.0 (number of hits: 7)

21	5550.0	9	1.0	333	1	5276.0, 5320.0, 5441.0, 5610.0, 5532.0, 5286.0, 5352.0, 5659.0, 5356.0, 5279.0, 5295.0, 5315.0, 5325.0, 5446.0, 5604.0, 5385.0, 5558.0, 5359.0, 5257.0, 5593.0, 5433.0, 5310.0, 5553.0, 5409.0, 5367.0, 5560.0, 5609.0, 5667.0, 5390.0, 5428.0, 5567.0, 5682.0, 5619.0, 5490.0, 5592.0, 5655.0, 5470.0, 5448.0, 5368.0, 5571.0, 5618.0, 5640.0, 5520.0, 5349.0, 5338.0, 5624.0, 5597.0, 5471.0, 5452.0, 5419.0, 5405.0, 5690.0, 5292.0, 5454.0, 5370.0, 5410.0, 5394.0, 5572.0, 5366.0, 5438.0, 5533.0, 5628.0, 5603.0, 5397.0, 5469.0, 5700.0, 5445.0, 5465.0, 5475.0, 5712.0, 5401.0, 5431.0, 5463.0, 5662.0, 5373.0, 5288.0, 5486.0, 5255.0, 5652.0, 5630.0, 5649.0, 5547.0, 5307.0, 5615.0, 5417.0, 5695.0, 5462.0, 5294.0, 5327.0, 5512.0, 5466.0, 5464.0, 5607.0, 5285.0, 5299.0, 5495.0, 5477.0, 5502.0, 5422.0, 5329.0 (number of hits: 7)
22	5550.0	9	1.0	333	1	5592.0, 5362.0, 5714.0, 5696.0, 5678.0, 5698.0, 5308.0, 5506.0, 5416.0, 5389.0, 5494.0, 5334.0, 5356.0, 5718.0, 5316.0, 5317.0, 5465.0, 5626.0, 5719.0, 5271.0, 5280.0, 5638.0, 5618.0, 5424.0, 5291.0, 5375.0, 5428.0, 5311.0, 5629.0, 5590.0, 5376.0, 5281.0, 5507.0, 5609.0, 5394.0, 5670.0, 5300.0, 5500.0, 5545.0, 5665.0, 5672.0, 5517.0, 5666.0, 5606.0, 5469.0, 5448.0, 5597.0, 5312.0, 5635.0, 5342.0, 5305.0, 5532.0, 5604.0, 5354.0, 5327.0, 5400.0, 5301.0, 5285.0, 5712.0, 5473.0, 5554.0, 5508.0, 5474.0, 5708.0, 5331.0, 5404.0, 5634.0, 5700.0, 5722.0, 5710.0, 5420.0, 5600.0, 5548.0, 5682.0, 5693.0, 5411.0, 5383.0, 5261.0, 5296.0, 5335.0, 5528.0, 5269.0, 5543.0, 5426.0, 5577.0, 5408.0, 5438.0, 5419.0, 5612.0, 5690.0, 5581.0, 5414.0, 5363.0, 5447.0, 5651.0, 5287.0, 5659.0, 5655.0, 5391.0, 5294.0 (number of hits: 5)
23	5550.0	9	1.0	333	1	5514.0, 5571.0, 5643.0, 5432.0, 5663.0, 5349.0, 5657.0, 5696.0, 5277.0, 5707.0, 5577.0, 5464.0, 5429.0, 5309.0, 5314.0, 5523.0, 5371.0, 5674.0, 5555.0, 5502.0, 5658.0, 5344.0, 5680.0, 5292.0, 5462.0, 5319.0, 5413.0, 5295.0, 5443.0, 5290.0, 5633.0, 5473.0, 5317.0, 5365.0, 5308.0, 5579.0, 5478.0, 5306.0, 5328.0, 5629.0, 5350.0, 5640.0, 5472.0, 5538.0, 5388.0, 5302.0, 5668.0, 5303.0, 5562.0, 5664.0, 5461.0, 5508.0, 5644.0, 5479.0, 5638.0, 5704.0, 5359.0, 5351.0, 5325.0, 5545.0, 5332.0, 5504.0, 5335.0, 5539.0, 5416.0, 5536.0, 5542.0, 5610.0, 5526.0, 5655.0, 5666.0, 5356.0, 5265.0, 5459.0, 5258.0, 5460.0, 5616.0, 5453.0, 5311.0, 5549.0, 5259.0, 5266.0, 5622.0, 5312.0, 5427.0, 5490.0, 5357.0, 5653.0, 5499.0, 5369.0, 5626.0, 5551.0, 5337.0, 5489.0, 5406.0, 5428.0, 5385.0, 5550.0, 5384.0, 5602.0 (number of hits: 10)
24	5550.0	9	1.0	333	1	5409.0, 5427.0, 5611.0, 5609.0, 5702.0, 5657.0, 5667.0, 5582.0, 5597.0, 5361.0, 5529.0, 5665.0, 5688.0, 5342.0, 5263.0, 5691.0, 5349.0, 5585.0, 5618.0, 5594.0, 5542.0, 5624.0, 5280.0, 5383.0, 5681.0, 5455.0, 5513.0, 5614.0, 5580.0, 5514.0, 5426.0, 5588.0, 5593.0, 5331.0, 5384.0, 5257.0, 5288.0, 5635.0, 5311.0, 5500.0, 5454.0, 5492.0, 5715.0, 5330.0, 5453.0, 5697.0, 5421.0, 5544.0, 5648.0, 5326.0, 5317.0, 5258.0, 5612.0, 5496.0, 5278.0, 5449.0, 5393.0, 5457.0, 5696.0, 5646.0, 5515.0, 5274.0, 5653.0, 5642.0, 5539.0, 5418.0, 5423.0, 5486.0, 5266.0, 5268.0, 5456.0, 5714.0, 5489.0, 5704.0, 5710.0, 5719.0, 5402.0, 5440.0, 5669.0, 5586.0, 5693.0, 5408.0, 5571.0, 5446.0, 5660.0, 5279.0, 5534.0, 5607.0, 5254.0, 5689.0, 5357.0, 5292.0, 5620.0, 5434.0, 5363.0, 5414.0, 5376.0, 5403.0, 5484.0, 5444.0 (number of hits: 4)
25	5550.0	9	1.0	333	1	5690.0, 5324.0, 5519.0, 5370.0, 5288.0, 5427.0, 5359.0, 5558.0, 5718.0, 5484.0, 5447.0, 5613.0, 5475.0, 5325.0,

						5524.0, 5350.0, 5612.0, 5293.0, 5713.0, 5692.0, 5413.0, 5672.0, 5570.0, 5620.0, 5521.0, 5313.0, 5277.0, 5719.0, 5406.0, 5596.0, 5682.0, 5551.0, 5716.0, 5616.0, 5516.0, 5272.0, 5555.0, 5440.0, 5656.0, 5466.0, 5452.0, 5411.0, 5471.0, 5541.0, 5689.0, 5609.0, 5300.0, 5337.0, 5469.0, 5598.0, 5706.0, 5410.0, 5495.0, 5491.0, 5714.0, 5399.0, 5586.0, 5455.0, 5462.0, 5417.0, 5667.0, 5477.0, 5673.0, 5428.0, 5275.0, 5299.0, 5636.0, 5448.0, 5535.0, 5601.0, 5514.0, 5701.0, 5542.0, 5463.0, 5590.0, 5368.0, 5550.0, 5429.0, 5341.0, 5593.0, 5357.0, 5502.0, 5707.0, 5333.0, 5659.0, 5630.0, 5358.0, 5436.0, 5622.0, 5640.0, 5437.0, 5334.0, 5296.0, 5615.0, 5310.0, 5497.0, 5367.0, 5362.0, 5456.0, 5397.0 (number of hits: 7)
26	5550.0	9	1.0	333	1	5509.0, 5552.0, 5420.0, 5461.0, 5456.0, 5530.0, 5369.0, 5499.0, 5320.0, 5421.0, 5680.0, 5348.0, 5352.0, 5632.0, 5396.0, 5500.0, 5620.0, 5429.0, 5434.0, 5381.0, 5655.0, 5658.0, 5612.0, 5523.0, 5357.0, 5590.0, 5262.0, 5619.0, 5582.0, 5462.0, 5400.0, 5705.0, 5275.0, 5286.0, 5423.0, 5430.0, 5706.0, 5402.0, 5721.0, 5673.0, 5324.0, 5599.0, 5405.0, 5481.0, 5559.0, 5645.0, 5347.0, 5682.0, 5322.0, 5532.0, 5639.0, 5537.0, 5578.0, 5595.0, 5605.0, 5454.0, 5385.0, 5295.0, 5437.0, 5353.0, 5627.0, 5264.0, 5699.0, 5431.0, 5684.0, 5533.0, 5718.0, 5261.0, 5613.0, 5309.0, 5589.0, 5411.0, 5428.0, 5517.0, 5555.0, 5687.0, 5410.0, 5371.0, 5510.0, 5389.0, 5717.0, 5596.0, 5435.0, 5611.0, 5621.0, 5648.0, 5469.0, 5314.0, 5349.0, 5329.0, 5474.0, 5504.0, 5520.0, 5355.0, 5457.0, 5708.0, 5709.0, 5601.0, 5722.0, 5302.0 (number of hits: 6)
27	5550.0	9	1.0	333	1	5381.0, 5384.0, 5310.0, 5720.0, 5259.0, 5298.0, 5267.0, 5266.0, 5460.0, 5700.0, 5392.0, 5408.0, 5343.0, 5606.0, 5467.0, 5397.0, 5693.0, 5414.0, 5649.0, 5403.0, 5347.0, 5694.0, 5531.0, 5416.0, 5410.0, 5351.0, 5696.0, 5593.0, 5579.0, 5601.0, 5605.0, 5340.0, 5703.0, 5459.0, 5378.0, 5504.0, 5345.0, 5614.0, 5453.0, 5438.0, 5613.0, 5556.0, 5338.0, 5683.0, 5506.0, 5355.0, 5541.0, 5433.0, 5256.0, 5288.0, 5278.0, 5684.0, 5721.0, 5309.0, 5405.0, 5663.0, 5603.0, 5706.0, 5715.0, 5333.0, 5631.0, 5559.0, 5398.0, 5324.0, 5443.0, 5354.0, 5365.0, 5332.0, 5677.0, 5697.0, 5439.0, 5339.0, 5676.0, 5491.0, 5470.0, 5334.0, 5437.0, 5530.0, 5421.0, 5446.0, 5576.0, 5616.0, 5624.0, 5382.0, 5666.0, 5705.0, 5538.0, 5682.0, 5406.0, 5399.0, 5283.0, 5632.0, 5423.0, 5368.0, 5490.0, 5519.0, 5281.0, 5461.0, 5551.0, 5258.0 (number of hits: 5)
28	5550.0	9	1.0	333	1	5487.0, 5684.0, 5421.0, 5430.0, 5622.0, 5484.0, 5715.0, 5590.0, 5576.0, 5714.0, 5372.0, 5296.0, 5716.0, 5349.0, 5586.0, 5539.0, 5410.0, 5390.0, 5476.0, 5508.0, 5348.0, 5507.0, 5472.0, 5612.0, 5640.0, 5460.0, 5350.0, 5486.0, 5367.0, 5713.0, 5469.0, 5670.0, 5531.0, 5644.0, 5634.0, 5697.0, 5302.0, 5354.0, 5358.0, 5494.0, 5709.0, 5490.0, 5263.0, 5512.0, 5696.0, 5633.0, 5618.0, 5624.0, 5408.0, 5664.0, 5480.0, 5591.0, 5690.0, 5392.0, 5297.0, 5604.0, 5282.0, 5391.0, 5593.0, 5336.0, 5654.0, 5521.0, 5723.0, 5548.0, 5721.0, 5553.0, 5266.0, 5609.0, 5556.0, 5516.0, 5378.0, 5416.0, 5615.0, 5422.0, 5462.0, 5388.0, 5537.0, 5692.0, 5683.0, 5498.0, 5381.0, 5341.0, 5477.0, 5377.0, 5309.0, 5427.0, 5434.0, 5277.0, 5626.0, 5493.0, 5706.0, 5464.0, 5526.0, 5333.0, 5554.0, 5456.0, 5482.0, 5344.0, 5639.0, 5661.0 (number of hits: 6)
29	5550.0	9	1.0	333	1	5703.0, 5396.0, 5507.0, 5614.0, 5301.0, 5271.0, 5329.0, 5669.0, 5418.0, 5654.0, 5404.0, 5422.0, 5717.0, 5454.0, 5642.0, 5409.0, 5664.0, 5353.0, 5514.0, 5463.0, 5612.0, 5618.0, 5624.0, 5375.0, 5628.0, 5714.0, 5288.0, 5523.0,

						5449.0, 5475.0, 5313.0, 5550.0, 5259.0, 5440.0, 5327.0, 5702.0, 5552.0, 5343.0, 5410.0, 5666.0, 5284.0, 5263.0, 5644.0, 5415.0, 5625.0, 5272.0, 5389.0, 5653.0, 5547.0, 5468.0, 5597.0, 5337.0, 5342.0, 5616.0, 5617.0, 5368.0, 5470.0, 5564.0, 5413.0, 5538.0, 5572.0, 5650.0, 5438.0, 5482.0, 5522.0, 5518.0, 5262.0, 5553.0, 5587.0, 5481.0, 5646.0, 5580.0, 5584.0, 5540.0, 5505.0, 5668.0, 5577.0, 5543.0, 5675.0, 5483.0, 5557.0, 5395.0, 5718.0, 5474.0, 5595.0, 5563.0, 5317.0, 5306.0, 5637.0, 5548.0, 5305.0, 5472.0, 5558.0, 5541.0, 5443.0, 5526.0, 5573.0, 5319.0, 5445.0, 5295.0 (number of hits: 13)
30	5550.0	9	1.0	333	1	5272.0, 5253.0, 5296.0, 5648.0, 5337.0, 5567.0, 5417.0, 5703.0, 5322.0, 5582.0, 5623.0, 5305.0, 5393.0, 5311.0, 5543.0, 5485.0, 5290.0, 5354.0, 5629.0, 5538.0, 5709.0, 5307.0, 5408.0, 5513.0, 5694.0, 5456.0, 5578.0, 5415.0, 5625.0, 5707.0, 5535.0, 5680.0, 5548.0, 5444.0, 5380.0, 5343.0, 5519.0, 5591.0, 5574.0, 5326.0, 5522.0, 5476.0, 5334.0, 5604.0, 5527.0, 5492.0, 5660.0, 5684.0, 5487.0, 5454.0, 5400.0, 5397.0, 5294.0, 5375.0, 5496.0, 5370.0, 5266.0, 5508.0, 5455.0, 5424.0, 5362.0, 5265.0, 5458.0, 5663.0, 5609.0, 5516.0, 5471.0, 5254.0, 5724.0, 5621.0, 5438.0, 5463.0, 5640.0, 5502.0, 5560.0, 5251.0, 5441.0, 5317.0, 5360.0, 5524.0, 5436.0, 5686.0, 5339.0, 5598.0, 5682.0, 5355.0, 5420.0, 5442.0, 5569.0, 5479.0, 5664.0, 5439.0, 5687.0, 5579.0, 5557.0, 5685.0, 5405.0, 5630.0, 5384.0, 5613.0 (number of hits: 7)

Auto Mode

5520 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	73.3 %	60%	Pass
Aggregate (Type1 to 4)	120	82.5 %	80%	Pass
Type 5	30	83.3 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	78	1.0	678	1
2	72	1.0	738	1
3	59	1.0	898	1
4	18	1.0	3066	1
5	67	1.0	798	1
6	95	1.0	558	1
7	99	1.0	538	1
8	92	1.0	578	1
9	86	1.0	618	1
10	58	1.0	918	1
11	63	1.0	838	1
12	61	1.0	878	1
13	76	1.0	698	1
14	68	1.0	778	1
15	62	1.0	858	1
16	60	1.0	891	1
17	24	1.0	2286	1
18	40	1.0	1350	1
19	47	1.0	1134	1
20	30	1.0	1760	1
21	24	1.0	2288	1
22	23	1.0	2343	1
23	21	1.0	2539	1
24	45	1.0	1190	1
25	67	1.0	796	1
26	18	1.0	2957	1
27	29	1.0	1843	1
28	21	1.0	2598	1
29	24	1.0	2289	1
30	55	1.0	973	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	23	2.0	151	0
2	27	2.6	184	1
3	29	1.0	228	1
4	26	1.5	193	1
5	23	1.2	191	0
6	28	2.7	228	1
7	26	2.7	176	1
8	23	3.2	164	1
9	24	2.9	218	1
10	27	3.9	175	0
11	28	1.8	159	1
12	25	3.0	184	1
13	25	3.1	224	1
14	28	4.4	206	0
15	25	2.3	179	1
16	27	4.9	221	1
17	28	1.3	173	1
18	25	3.3	187	1
19	26	3.0	179	0
20	26	5.0	200	1
21	29	2.9	195	0
22	28	2.3	202	1
23	27	1.4	203	1
24	24	3.1	229	0
25	25	4.7	179	0
26	29	4.0	174	1
27	28	4.1	215	1
28	23	2.2	195	1
29	23	1.1	199	1
30	27	1.7	178	1
Detection Percentage: 73.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	6.1	444	1
2	16	6.0	376	1
3	17	9.0	406	1
4	17	9.9	376	1
5	18	10.0	349	1
6	18	6.3	219	1
7	17	8.2	422	1
8	18	6.0	333	1
9	17	7.2	220	1
10	16	9.3	327	1
11	16	6.7	392	1
12	17	8.9	284	0
13	18	9.0	261	1
14	16	7.7	441	1
15	17	9.7	276	0
16	17	8.5	387	1
17	16	8.5	315	1
18	16	9.5	227	0
19	16	6.4	224	1
20	18	8.4	383	1
21	18	6.8	268	1
22	16	6.8	312	0
23	18	8.0	341	1
24	18	7.3	400	0
25	18	8.4	328	1
26	17	6.1	405	1
27	16	6.4	373	1
28	16	7.8	413	1
29	17	6.3	314	1
30	18	7.8	487	1
Detection Percentage: 83.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5510-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	14	16.9	417	1
2	13	19.6	491	1
3	14	14.6	225	1
4	16	13.5	434	1
5	16	12.3	328	0
6	15	16.4	480	0
7	13	14.3	497	1
8	16	16.0	387	1
9	14	12.9	389	1
10	12	11.9	488	0
11	15	16.3	408	1
12	15	11.4	227	1
13	12	14.5	236	1
14	13	19.0	388	0
15	13	11.8	424	1
16	15	12.1	310	1
17	13	15.4	445	1
18	12	15.6	435	1
19	13	15.1	455	0
20	16	15.2	279	1
21	12	20.0	342	0
22	15	19.9	450	0
23	16	18.6	238	1
24	14	18.1	267	1
25	12	16.0	265	1
26	13	19.7	305	0
27	13	17.5	222	1
28	16	17.8	368	1
29	13	14.6	344	1
30	16	12.3	410	1
Detection Percentage: 73.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5520	1
2	5520	1
3	5520	1
4	5520	1
5	5520	1
6	5520	0
7	5520	1
8	5520	1
9	5520	0
10	5520	1
11	5513.8	1
12	5515.8	1
13	5515.4	1
14	5516.2	1
15	5514.2	1
16	5514.6	0
17	5515.8	1
18	5519.0	1
19	5514.6	1
20	5513.4	1
21	5523.8	1
22	5521.8	1
23	5521.8	1
24	5522.6	0
25	5524.6	1
26	5524.6	1
27	5525.8	1
28	5525.4	1
29	5522.6	1
30	5524.6	0
Detection Percentage: 83.3 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	70.7			0.260337	1
1	2	6	54.5	1805		1.078503	
2	1	6	91.9			1.974069	
3	2	6	96.3	1432		2.008806	
4	2	6	74.2	1270		3.113538	
5	1	6	79.5			3.763105	
6	1	6	81.2			4.109686	
7	3	6	70.1	1202	1831	4.950465	
8	2	6	70.4	1032		5.501293	
9	2	6	55.9	1387		6.497563	
10	2	6	70.3	1888		6.810635	
11	1	6	94.3			7.369771	
12	2	6	82.7	1062		8.239158	
13	3	6	77.3	1423	1554	8.710898	
14	1	6	82.5			9.815769	
15	2	6	96.1	1354		10.203519	
16	2	6	63.7	1999		11.155689	
17	2	6	88.8	1239		11.788541	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	85.2	1564		0.272413	1
1	3	6	71.7	1779	1611	1.276985	
2	3	6	78.8	1722	1892	1.742870	
3	3	6	68.2	1624	1904	3.141292	
4	2	6	58.4	1582		3.604615	
5	3	6	56.0	1159	1759	5.052268	
6	2	6	55.7	1575		5.300494	
7	1	6	88.2			6.715135	
8	3	6	82.3	1791	1123	7.049525	
9	2	6	69.9	1589		8.504018	
10	3	6	68.7	1706	1783	9.367500	
11	2	6	55.1	1530		9.624314	
12	2	6	93.4	1944		11.079088	
13	1	6	79.4			11.884635	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	88.4	1289	1368	0.537933	
1	2	5	51.0	1587		0.902036	
2	2	5	60.9	1171		1.741399	
3	2	5	78.0	1961		2.423896	
4	2	5	70.2	1452		2.923305	
5	2	5	78.7	1349		3.535890	
6	3	5	64.9	1865	1784	3.911126	
7	3	5	97.0	1118	1482	4.906529	
8	2	5	54.3	1851		5.585686	
9	3	5	97.2	1032	1908	5.933050	1
10	2	5	93.3	1578		6.924381	
11	1	5	75.2			7.507623	
12	2	5	81.1	1866		8.085456	
13	2	5	72.5	1946		8.323287	
14	1	5	65.6			9.329748	
15	3	5	91.8	1333	1600	9.892032	
16	2	5	89.5	1931		10.537893	
17	1	5	65.7			10.873402	
18	2	5	77.0	1148		11.979598	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	93.1	1209	1527	0.509345	
1	2	13	95.6	1499		1.985384	
2	1	13	60.9			2.729340	
3	1	13	65.6			4.869995	
4	3	13	64.1	1247	1188	5.933415	1
5	2	13	59.1	1725		7.008701	
6	2	13	54.9	1800		8.722751	
7	3	13	69.6	1309	1883	10.136144	
8	2	13	86.9	1798		11.243812	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	52.4	1428		0.245219	
1	2	7	56.7	1605		1.677735	
2	2	7	62.2	1551		3.692312	
3	2	7	69.5	1950		4.648814	
4	1	7	97.3			6.641022	1
5	2	7	75.8	1448		7.385247	
6	2	7	93.0	1247		9.030786	
7	1	7	99.9			10.582024	
8	1	7	97.2			10.764486	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	79.4			0.396105	
1	2	9	88.4	1382		0.788756	
2	3	9	88.0	1088	1390	1.717529	
3	2	9	55.2	1597		1.922017	
4	3	9	88.1	1324	1085	2.741854	
5	1	9	98.4			3.210388	
6	1	9	72.2			4.108857	
7	3	9	58.2	1268	1556	4.869748	
8	2	9	62.1	1338		5.497846	
9	3	9	50.4	1835	1988	5.983111	0
10	2	9	69.5	1900		6.686623	
11	3	9	99.2	1411	1469	7.341178	
12	3	9	73.6	1612	1674	8.003715	
13	3	9	65.2	1116	1270	8.522510	
14	2	9	99.4	1866		9.248563	
15	1	9	94.7			9.625367	
16	2	9	50.1	1620		10.536524	
17	1	9	60.8			11.295870	
18	2	9	70.4	1519		11.424822	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	78.5	1873	1991	0.655379	1
1	3	6	61.4	1911	1577	1.455180	
2	1	6	80.8			2.798472	
3	2	6	80.0	1899		3.646296	
4	3	6	93.0	1515	1298	4.032641	
5	1	6	63.3			5.953675	
6	1	6	67.5			6.726116	
7	1	6	88.5			7.347283	
8	1	6	56.2			8.477807	
9	2	6	63.4	1251		9.215418	
10	2	6	60.1	1257		10.120268	
11	2	6	74.9	1316		11.102627	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	53.4	1285		0.916778	1
1	2	9	98.3	1148		1.514850	
2	2	9	73.3	1301		2.511740	
3	3	9	99.9	1248	1732	3.770596	
4	2	9	95.0	1480		5.068688	
5	3	9	55.9	1233	1632	6.937952	
6	2	9	87.4	1573		7.546943	
7	1	9	58.2			9.250787	
8	2	9	78.3	1096		10.771817	
9	1	9	81.6			11.375220	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	96.2	1928		0.364255	0
1	3	6	66.7	1682	1172	2.101129	
2	2	6	56.6	1616		3.988416	
3	3	6	55.6	1540	1074	5.400817	
4	1	6	51.4			6.226781	
5	1	6	75.0			7.986338	
6	3	6	88.8	1321	1984	10.275516	
7	2	6	90.1	1206		10.996809	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	70.5	1297	1374	0.202642	1
1	3	6	89.6	1233	1208	1.819429	
2	1	6	89.8			2.688033	
3	1	6	53.6			3.631903	
4	2	6	72.4	1315		4.735916	
5	3	6	83.0	1595	1683	6.236270	
6	2	6	84.8	1955		7.039095	
7	2	6	65.4	1050		7.668305	
8	2	6	51.0	1056		9.027661	
9	2	6	65.3	1676		10.198241	
10	1	6	67.9			11.699218	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	75.1	1829		1.080160	1
1	3	7	87.5	1828	1837	1.846970	
2	3	7	82.9	1131	1494	2.520072	
3	1	7	57.9			3.737241	
4	2	7	97.5	1369		5.642737	
5	2	7	63.2	1550		6.443491	
6	2	7	73.2	1354		8.386459	
7	1	7	87.4			8.681820	
8	2	7	74.1	1560		9.791331	
9	2	7	89.1	1257		11.156757	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	83.8	1891		0.298286	1
1	2	12	67.3	1746		0.911152	
2	1	12	98.5			1.595369	
3	2	12	85.3	1781		2.157862	
4	3	12	58.8	1069	1944	2.722426	
5	2	12	62.3	1434		3.412034	
6	2	12	63.6	1985		4.108310	
7	2	12	80.5	1375		4.704930	
8	3	12	88.7	1882	1850	5.473043	
9	3	12	52.1	1345	1997	6.464238	
10	2	12	59.8	1224		6.781951	
11	2	12	51.3	1577		7.928628	
12	2	12	88.9	2000		8.605731	
13	3	12	80.7	1552	1586	9.110053	
14	2	12	70.3	1754		9.889596	
15	2	12	75.3	1611		10.149787	
16	1	12	63.9			11.277844	
17	2	12	60.0	1175		11.886354	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	80.6	1972		0.416728	
1	1	11	98.2			1.110114	
2	3	11	57.3	1146	1611	1.688541	
3	2	11	95.7	1559		2.590240	
4	1	11	59.7			2.867369	
5	3	11	82.1	1686	1169	4.213226	
6	2	11	94.1	1423		4.574237	
7	1	11	96.0			5.492945	
8	2	11	61.3	1414		6.021736	1
9	3	11	72.5	1457	1057	6.970498	
10	1	11	72.0			7.076427	
11	1	11	61.6			7.964923	
12	2	11	69.6	1795		8.612633	
13	1	11	77.0			9.323051	
14	2	11	53.2	1655		10.462141	
15	2	11	98.9	1305		11.037640	
16	2	11	60.4	1344		11.422411	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	63.8			0.695649	
1	3	13	70.6	1943	1536	1.413476	
2	2	13	86.0	1934		2.992074	
3	1	13	62.7			3.391286	
4	3	13	63.2	1816	1078	4.847470	
5	2	13	70.8	1676		5.849812	1
6	2	13	89.8	1807		6.153631	
7	2	13	56.0	1385		7.332806	
8	1	13	95.3			8.753157	
9	2	13	91.7	1352		9.515364	
10	2	13	68.2	1965		10.900004	
11	3	13	84.0	1025	1078	11.513864	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	80.0	1054		0.562237	
1	2	8	99.0	1823		1.047794	
2	3	8	58.4	1818	1990	1.698941	
3	2	8	60.4	1231		2.327603	
4	2	8	91.2	1546		2.817014	
5	2	8	62.5	1204		3.748542	
6	2	8	53.4	1849		4.193403	
7	1	8	66.0			4.823438	
8	2	8	99.4	1816		5.917267	
9	1	8	98.1			6.135497	1
10	3	8	98.7	1168	1373	6.859074	
11	3	8	68.9	1506	1953	7.558892	
12	2	8	80.9	1837		8.479047	
13	1	8	81.8			8.899212	
14	2	8	62.6	1286		9.644103	
15	1	8	63.9			10.272199	
16	2	8	56.4	1943		10.877658	
17	3	8	72.4	1568	1640	11.703102	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	57.2			0.215219	
1	1	9	55.1			1.085056	
2	3	9	81.2	1088	1370	2.477853	
3	2	9	68.9	1455		3.615189	
4	2	9	57.4	1714		4.036605	
5	3	9	80.1	1300	1091	5.476516	
6	1	9	63.4			6.323487	0
7	3	9	50.6	1272	1481	7.071620	
8	2	9	81.0	1178		8.449739	
9	2	9	60.1	1842		9.081927	
10	3	9	89.6	1548	1158	10.208918	
11	1	9	91.3			11.245625	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	63.5			0.219609	
1	2	12	75.7	1972		1.394621	
2	2	12	67.0	1714		2.711016	
3	1	12	62.6			5.071103	
4	1	12	55.4			5.993484	1
5	1	12	79.7			6.783910	
6	2	12	80.5	1295		8.700661	
7	1	12	68.0			9.722435	
8	1	12	55.3			10.990332	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	20	89.9	1603	1253	0.122006	
1	3	20	89.0	1042	1725	0.947953	
2	2	20	65.6	1640		2.260584	
3	2	20	86.0	1186		2.986154	
4	2	20	52.9	1435		3.694517	
5	3	20	66.9	1110	1009	5.449754	
6	2	20	61.5	1652		6.049677	1
7	2	20	62.2	1418		7.063544	
8	3	20	96.7	1157	1432	8.080579	
9	1	20	56.9			8.626725	
10	3	20	60.4	1820	1606	9.961406	
11	2	20	90.0	1501		10.173553	
12	2	20	53.4	1111		11.383906	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	81.6	1162		0.586535	1
1	1	9	96.4			0.858166	
2	1	9	69.0			1.640886	
3	3	9	88.0	1167	1384	2.872512	
4	2	9	56.1	1911		3.733053	
5	3	9	77.5	1160	1009	4.319458	
6	2	9	90.0	1270		4.630584	
7	2	9	71.4	1003		5.303032	
8	2	9	70.8	1570		6.221559	
9	3	9	54.7	1593	1281	6.765074	
10	1	9	88.3			7.502807	
11	2	9	98.4	1189		8.865309	
12	1	9	56.2			9.259892	
13	2	9	71.1	1645		10.450533	
14	2	9	67.2	1755		10.663703	
15	3	9	97.9	1330	1263	11.559871	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	62.2			0.597218	1
1	2	6	90.4	1002		0.687386	
2	3	6	56.5	1855	1076	1.826871	
3	1	6	53.5			2.067459	
4	2	6	96.9	1163		2.963467	
5	1	6	90.3			3.648283	
6	2	6	87.4	1158		4.346777	
7	1	6	66.7			4.635481	
8	1	6	90.2			5.505286	
9	3	6	85.6	1080	1405	5.933845	
10	3	6	99.1	1316	1922	6.347641	
11	2	6	81.1	1878		7.030522	
12	1	6	92.9			7.650387	
13	2	6	88.5	1710		8.282090	
14	2	6	81.9	1924		9.289271	
15	3	6	89.4	1021	1227	9.878365	
16	2	6	56.7	1442		10.168729	
17	2	6	99.6	1368		11.024175	
18	1	6	65.9			11.591615	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	96.1	1619		0.521710	
1	3	13	73.2	1881	1858	0.787491	
2	2	13	59.4	1692		2.073323	
3	1	13	73.2			2.654654	
4	3	13	82.4	1613	1388	3.366658	
5	2	13	91.3	1789		3.613554	
6	3	13	93.7	1090	1934	4.471343	
7	3	13	99.3	1396	1975	5.627128	
8	3	13	88.4	1959	1640	6.276314	1
9	2	13	84.5	1740		6.581272	
10	1	13	65.5			7.145262	
11	2	13	94.2	1438		8.184702	
12	3	13	62.0	1842	1750	8.778984	
13	2	13	56.9	1143		9.320248	
14	1	13	67.6			10.085572	
15	2	13	60.4	1319		10.788205	
16	3	13	88.1	1360	1940	11.334105	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	77.1	1051		0.240872	
1	3	18	79.5	1882	1757	0.910737	
2	2	18	73.1	1613		2.203283	
3	2	18	68.7	1211		2.852352	
4	2	18	87.5	1599		3.593051	
5	2	18	73.5	1235		4.689009	
6	1	18	81.5			5.472455	
7	3	18	60.4	1998	1955	6.753629	1
8	2	18	74.4	1502		7.571511	
9	2	18	76.5	1016		7.748599	
10	2	18	80.0	1069		8.856033	
11	2	18	79.9	1711		10.265640	
12	2	18	87.4	1267		10.726623	
13	2	18	97.2	1977		11.215980	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	73.8			0.368961	
1	3	18	57.2	1379	1101	0.853815	
2	3	18	80.2	1639	1592	1.714615	
3	1	18	80.8			2.118794	
4	1	18	88.4			2.879264	
5	1	18	77.2			3.623912	
6	3	18	64.6	1120	1833	4.023325	
7	2	18	59.0	1341		5.009516	
8	3	18	80.4	1097	1053	5.319246	
9	1	18	56.5			6.011015	1
10	1	18	86.5			6.480772	
11	3	18	60.9	1014	1981	7.479447	
12	3	18	74.7	1434	1817	7.676087	
13	1	18	67.1			8.552650	
14	2	18	99.3	1434		8.842950	
15	3	18	89.7	1936	1567	9.924805	
16	1	18	81.8			10.565585	
17	2	18	94.9	1075		10.743527	
18	2	18	60.5	1624		11.848425	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	72.9	1178	1280	0.246857	
1	2	16	96.5	1939		1.435161	
2	1	16	55.5			3.306240	
3	3	16	64.0	1108	1930	3.668497	
4	2	16	95.1	1243		4.934589	
5	2	16	63.8	1108		6.960067	0
6	3	16	78.9	1863	1968	7.687376	
7	2	16	55.5	1479		8.452045	
8	2	16	50.8	1285		10.217013	
9	2	16	57.4	1443		11.628393	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	90.8	1555		0.531562	1
1	3	11	84.8	1405	1256	1.657445	
2	1	11	97.5			2.509505	
3	3	11	92.2	1021	1445	3.944381	
4	2	11	67.2	1421		5.510697	
5	2	11	56.6	1461		6.416590	
6	3	11	75.6	1576	1147	8.071402	
7	1	11	54.5			9.426755	
8	3	11	92.2	1329	1536	9.959704	
9	2	11	90.7	1103		11.654677	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	98.9	1062		0.197639	1
1	1	11	96.0			0.761270	
2	2	11	55.3	1218		1.887399	
3	2	11	75.8	1048		2.706369	
4	2	11	76.8	1315		3.059276	
5	1	11	75.5			3.840379	
6	2	11	51.7	1242		4.563381	
7	2	11	67.4	1721		5.319588	
8	3	11	74.0	1480	1979	5.809315	
9	2	11	55.2	1969		6.944319	
10	1	11	60.0			7.237771	
11	2	11	97.7	1299		7.930219	
12	2	11	69.4	1923		9.004205	
13	1	11	60.6			9.455446	
14	2	11	71.6	1901		9.908660	
15	2	11	79.8	1251		10.702263	
16	2	11	72.6	1366		11.878517	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	79.0	1079		0.468503	1
1	2	8	73.8	1019		1.683550	
2	3	8	52.6	1395	1683	2.345676	
3	3	8	64.7	1335	1325	3.281457	
4	3	8	71.8	1524	1502	3.877649	
5	2	8	68.7	1358		5.065941	
6	2	8	50.1	1507		5.994816	
7	1	8	63.8			6.554155	
8	3	8	59.2	1219	1282	7.659400	
9	3	8	86.3	1284	1126	8.607497	
10	2	8	98.1	1569		9.602336	
11	3	8	65.3	1831	1422	10.154687	
12	1	8	58.9			11.213310	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	67.6			0.588782	1
1	2	9	81.2	1928		1.330537	
2	2	9	86.3	1379		1.878990	
3	1	9	74.9			3.353693	
4	2	9	76.1	1461		3.745389	
5	2	9	74.6	1687		5.009743	
6	2	9	97.5	1397		5.888231	
7	2	9	75.2	1929		6.387009	
8	2	9	95.3	1551		7.533831	
9	3	9	58.7	1770	1892	8.384464	
10	1	9	76.7			8.626034	
11	2	9	66.4	1526		10.083537	
12	1	9	64.0			11.032242	
13	3	9	61.1	1428	1614	11.814778	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	52.1	1488	1374	0.142010	1
1	1	16	90.3			1.060588	
2	2	16	74.1	1679		2.596344	
3	3	16	64.1	1482	1102	3.253553	
4	1	16	95.9			3.965094	
5	1	16	97.8			4.969698	
6	2	16	71.1	1992		5.597874	
7	2	16	81.0	1100		7.074407	
8	2	16	81.3	1771		7.385828	
9	1	16	78.3			8.339720	
10	2	16	73.8	1720		10.056393	
11	3	16	72.7	1242	1827	10.218910	
12	1	16	88.4			11.967999	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	71.0			0.491539	0
1	3	11	88.2	1989	1707	1.314312	
2	3	11	85.9	1719	1114	1.902341	
3	2	11	89.8	1372		3.288453	
4	3	11	87.2	1150	1202	3.603885	
5	2	11	72.3	1565		4.624469	
6	1	11	54.6			5.526371	
7	1	11	74.3			6.815471	
8	3	11	80.6	1653	1773	7.420388	
9	2	11	71.6	1360		8.217537	
10	3	11	62.9	1355	1965	8.603617	
11	3	11	65.0	1695	1689	9.879997	
12	1	11	75.4			11.119716	
13	1	11	68.7			11.381145	

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	5520.0	9	1.0	333	1	5679.0, 5372.0, 5586.0, 5552.0, 5562.0, 5380.0, 5413.0, 5321.0, 5488.0, 5558.0, 5362.0, 5556.0, 5326.0, 5559.0, 5621.0, 5651.0, 5260.0, 5715.0, 5350.0, 5440.0, 5417.0, 5343.0, 5641.0, 5676.0, 5513.0, 5667.0, 5557.0, 5647.0, 5316.0, 5707.0, 5453.0, 5561.0, 5407.0, 5482.0, 5711.0, 5689.0, 5486.0, 5684.0, 5298.0, 5307.0, 5597.0, 5338.0, 5533.0, 5540.0, 5629.0, 5618.0, 5269.0, 5348.0, 5314.0, 5466.0, 5720.0, 5461.0, 5432.0, 5355.0, 5498.0, 5622.0, 5387.0, 5694.0, 5659.0, 5394.0, 5541.0, 5405.0, 5267.0, 5519.0, 5281.0, 5468.0, 5311.0, 5640.0, 5420.0, 5512.0, 5340.0, 5688.0, 5714.0, 5578.0, 5551.0, 5393.0, 5572.0, 5379.0, 5652.0, 5400.0, 5585.0, 5252.0, 5288.0, 5587.0, 5365.0, 5322.0, 5619.0, 5331.0, 5386.0, 5503.0, 5671.0, 5699.0, 5339.0, 5478.0, 5409.0, 5452.0, 5441.0, 5608.0, 5306.0, 5277.0 (number of hits: 3)
2	5520.0	9	1.0	333	1	5566.0, 5607.0, 5564.0, 5505.0, 5351.0, 5497.0, 5420.0, 5284.0, 5610.0, 5446.0, 5291.0, 5577.0, 5275.0, 5426.0, 5451.0, 5575.0, 5701.0, 5490.0, 5642.0, 5273.0, 5367.0, 5438.0, 5529.0, 5285.0, 5559.0, 5292.0, 5561.0, 5470.0, 5659.0, 5563.0, 5598.0, 5681.0, 5293.0, 5370.0, 5262.0, 5288.0, 5482.0, 5347.0, 5374.0, 5658.0, 5721.0, 5366.0, 5523.0, 5417.0, 5257.0, 5683.0, 5527.0, 5312.0, 5298.0, 5299.0, 5454.0, 5356.0, 5688.0, 5475.0, 5358.0, 5388.0, 5616.0, 5277.0, 5617.0, 5261.0, 5359.0, 5532.0, 5258.0, 5487.0, 5535.0, 5415.0, 5297.0, 5409.0, 5402.0, 5399.0, 5511.0, 5502.0, 5336.0, 5383.0, 5646.0, 5368.0, 5582.0, 5627.0, 5593.0, 5349.0, 5286.0, 5455.0, 5703.0, 5333.0, 5684.0, 5509.0, 5674.0, 5541.0, 5724.0, 5573.0, 5676.0, 5308.0, 5332.0, 5269.0, 5693.0, 5433.0, 5596.0, 5266.0, 5635.0, 5483.0 (number of hits: 3)
3	5520.0	9	1.0	333	1	5612.0, 5357.0, 5572.0, 5717.0, 5675.0, 5315.0, 5283.0, 5598.0, 5615.0, 5575.0, 5711.0, 5500.0, 5464.0, 5452.0, 5606.0, 5337.0, 5638.0, 5613.0, 5520.0, 5658.0, 5611.0, 5379.0, 5375.0, 5439.0, 5551.0, 5700.0, 5368.0, 5722.0, 5401.0, 5255.0, 5355.0, 5719.0, 5594.0, 5330.0, 5540.0, 5495.0, 5625.0, 5486.0, 5418.0, 5637.0, 5414.0, 5319.0, 5448.0, 5723.0, 5554.0, 5374.0, 5543.0, 5481.0, 5713.0, 5652.0, 5363.0, 5650.0, 5697.0, 5552.0, 5705.0, 5516.0, 5560.0, 5378.0, 5694.0, 5542.0, 5438.0, 5627.0, 5306.0, 5437.0, 5574.0, 5467.0, 5665.0, 5487.0, 5667.0, 5440.0,

						5470.0, 5494.0, 5391.0, 5324.0, 5373.0, 5270.0, 5323.0, 5710.0, 5616.0, 5688.0, 5604.0, 5586.0, 5557.0, 5548.0, 5350.0, 5580.0, 5501.0, 5427.0, 5525.0, 5522.0, 5267.0, 5293.0, 5698.0, 5530.0, 5446.0, 5347.0, 5297.0, 5377.0, 5634.0, 5682.0 (number of hits: 4)
4	5520.0	9	1.0	333	1	5504.0, 5644.0, 5570.0, 5716.0, 5669.0, 5435.0, 5257.0, 5523.0, 5653.0, 5468.0, 5699.0, 5329.0, 5557.0, 5349.0, 5614.0, 5314.0, 5702.0, 5656.0, 5687.0, 5360.0, 5372.0, 5346.0, 5661.0, 5695.0, 5404.0, 5649.0, 5422.0, 5582.0, 5602.0, 5340.0, 5390.0, 5355.0, 5309.0, 5481.0, 5347.0, 5449.0, 5718.0, 5701.0, 5586.0, 5634.0, 5688.0, 5319.0, 5705.0, 5630.0, 5552.0, 5664.0, 5441.0, 5399.0, 5377.0, 5521.0, 5713.0, 5433.0, 5680.0, 5568.0, 5310.0, 5627.0, 5529.0, 5624.0, 5519.0, 5660.0, 5672.0, 5361.0, 5560.0, 5677.0, 5608.0, 5256.0, 5703.0, 5575.0, 5555.0, 5405.0, 5670.0, 5353.0, 5514.0, 5534.0, 5448.0, 5343.0, 5645.0, 5611.0, 5491.0, 5558.0, 5446.0, 5337.0, 5473.0, 5547.0, 5535.0, 5591.0, 5363.0, 5406.0, 5508.0, 5379.0, 5596.0, 5451.0, 5332.0, 5536.0, 5577.0, 5551.0, 5693.0, 5409.0, 5622.0, 5603.0 (number of hits: 4)
5	5520.0	9	1.0	333	1	5613.0, 5575.0, 5385.0, 5251.0, 5316.0, 5557.0, 5436.0, 5335.0, 5594.0, 5644.0, 5533.0, 5696.0, 5258.0, 5636.0, 5519.0, 5565.0, 5334.0, 5685.0, 5456.0, 5720.0, 5649.0, 5343.0, 5588.0, 5442.0, 5358.0, 5510.0, 5261.0, 5432.0, 5515.0, 5718.0, 5383.0, 5352.0, 5348.0, 5283.0, 5625.0, 5633.0, 5464.0, 5439.0, 5290.0, 5499.0, 5656.0, 5508.0, 5342.0, 5561.0, 5477.0, 5584.0, 5653.0, 5621.0, 5607.0, 5546.0, 5608.0, 5467.0, 5395.0, 5650.0, 5517.0, 5635.0, 5401.0, 5347.0, 5722.0, 5485.0, 5484.0, 5336.0, 5360.0, 5622.0, 5284.0, 5441.0, 5675.0, 5357.0, 5582.0, 5465.0, 5665.0, 5520.0, 5504.0, 5580.0, 5631.0, 5323.0, 5634.0, 5689.0, 5315.0, 5695.0, 5411.0, 5414.0, 5375.0, 5326.0, 5609.0, 5637.0, 5378.0, 5719.0, 5415.0, 5330.0, 5605.0, 5553.0, 5313.0, 5412.0, 5388.0, 5337.0, 5647.0, 5273.0, 5587.0, 5567.0 (number of hits: 4)
6	5520.0	9	1.0	333	1	5357.0, 5622.0, 5400.0, 5375.0, 5399.0, 5542.0, 5680.0, 5656.0, 5280.0, 5702.0, 5599.0, 5638.0, 5320.0, 5293.0, 5295.0, 5292.0, 5294.0, 5688.0, 5605.0, 5329.0, 5674.0, 5545.0, 5443.0, 5582.0, 5358.0, 5363.0, 5519.0, 5668.0, 5317.0, 5448.0, 5505.0, 5312.0, 5561.0, 5560.0, 5350.0, 5307.0, 5494.0, 5388.0, 5590.0, 5367.0, 5509.0, 5619.0, 5349.0, 5666.0, 5621.0, 5434.0, 5650.0, 5718.0, 5711.0, 5547.0, 5691.0, 5694.0, 5432.0, 5587.0, 5687.0, 5273.0, 5282.0, 5475.0, 5513.0, 5338.0, 5368.0, 5468.0, 5308.0, 5251.0, 5466.0,

						5644.0, 5261.0, 5410.0, 5461.0, 5285.0, 5571.0, 5573.0, 5506.0, 5389.0, 5578.0, 5544.0, 5701.0, 5467.0, 5618.0, 5383.0, 5364.0, 5340.0, 5614.0, 5704.0, 5636.0, 5559.0, 5565.0, 5550.0, 5492.0, 5512.0, 5479.0, 5660.0, 5703.0, 5538.0, 5530.0, 5386.0, 5673.0, 5532.0, 5447.0, 5299.0 (number of hits: 3)
7	5520.0	9	1.0	333	1	5500.0, 5394.0, 5252.0, 5501.0, 5342.0, 5427.0, 5455.0, 5443.0, 5647.0, 5516.0, 5288.0, 5633.0, 5265.0, 5268.0, 5254.0, 5617.0, 5572.0, 5377.0, 5322.0, 5609.0, 5314.0, 5346.0, 5684.0, 5430.0, 5363.0, 5695.0, 5313.0, 5551.0, 5370.0, 5454.0, 5417.0, 5325.0, 5673.0, 5601.0, 5426.0, 5283.0, 5296.0, 5255.0, 5635.0, 5357.0, 5406.0, 5274.0, 5298.0, 5638.0, 5413.0, 5525.0, 5326.0, 5429.0, 5402.0, 5571.0, 5529.0, 5588.0, 5663.0, 5596.0, 5467.0, 5374.0, 5711.0, 5281.0, 5401.0, 5331.0, 5662.0, 5703.0, 5528.0, 5643.0, 5320.0, 5294.0, 5642.0, 5603.0, 5701.0, 5714.0, 5511.0, 5619.0, 5493.0, 5651.0, 5600.0, 5458.0, 5425.0, 5273.0, 5723.0, 5422.0, 5700.0, 5477.0, 5598.0, 5579.0, 5693.0, 5309.0, 5535.0, 5505.0, 5306.0, 5304.0, 5285.0, 5307.0, 5333.0, 5381.0, 5664.0, 5570.0, 5567.0, 5626.0, 5389.0, 5393.0 (number of hits: 4)
8	5520.0	9	1.0	333	1	5680.0, 5497.0, 5507.0, 5257.0, 5600.0, 5339.0, 5543.0, 5586.0, 5526.0, 5585.0, 5539.0, 5648.0, 5640.0, 5603.0, 5522.0, 5559.0, 5621.0, 5346.0, 5601.0, 5706.0, 5704.0, 5306.0, 5523.0, 5260.0, 5561.0, 5418.0, 5627.0, 5481.0, 5294.0, 5451.0, 5686.0, 5262.0, 5588.0, 5552.0, 5645.0, 5338.0, 5458.0, 5638.0, 5628.0, 5443.0, 5579.0, 5351.0, 5583.0, 5386.0, 5566.0, 5253.0, 5459.0, 5267.0, 5565.0, 5635.0, 5625.0, 5516.0, 5279.0, 5385.0, 5515.0, 5250.0, 5444.0, 5290.0, 5652.0, 5403.0, 5520.0, 5501.0, 5619.0, 5327.0, 5707.0, 5506.0, 5659.0, 5286.0, 5319.0, 5498.0, 5273.0, 5486.0, 5688.0, 5622.0, 5593.0, 5365.0, 5320.0, 5505.0, 5500.0, 5311.0, 5456.0, 5383.0, 5606.0, 5440.0, 5322.0, 5683.0, 5630.0, 5525.0, 5679.0, 5595.0, 5263.0, 5277.0, 5424.0, 5698.0, 5464.0, 5275.0, 5441.0, 5703.0, 5705.0, 5312.0 (number of hits: 7)
9	5520.0	9	1.0	333	1	5468.0, 5603.0, 5259.0, 5613.0, 5497.0, 5546.0, 5294.0, 5645.0, 5654.0, 5719.0, 5286.0, 5352.0, 5700.0, 5254.0, 5596.0, 5384.0, 5517.0, 5469.0, 5262.0, 5627.0, 5634.0, 5641.0, 5467.0, 5503.0, 5562.0, 5656.0, 5508.0, 5687.0, 5527.0, 5350.0, 5664.0, 5437.0, 5427.0, 5486.0, 5345.0, 5702.0, 5601.0, 5572.0, 5450.0, 5520.0, 5289.0, 5532.0, 5271.0, 5535.0, 5519.0, 5336.0, 5364.0, 5579.0, 5555.0, 5287.0, 5511.0, 5533.0, 5297.0, 5338.0, 5400.0, 5420.0, 5435.0, 5290.0, 5334.0, 5332.0,

						5659.0, 5536.0, 5301.0, 5692.0, 5711.0, 5584.0, 5460.0, 5312.0, 5704.0, 5417.0, 5698.0, 5485.0, 5696.0, 5361.0, 5274.0, 5319.0, 5371.0, 5524.0, 5347.0, 5534.0, 5595.0, 5624.0, 5502.0, 5626.0, 5366.0, 5342.0, 5679.0, 5418.0, 5284.0, 5510.0, 5252.0, 5425.0, 5682.0, 5494.0, 5403.0, 5630.0, 5537.0, 5462.0, 5385.0, 5436.0 (number of hits: 6)
10	5520.0	9	1.0	333	1	5667.0, 5615.0, 5409.0, 5442.0, 5573.0, 5323.0, 5651.0, 5321.0, 5606.0, 5529.0, 5332.0, 5334.0, 5723.0, 5661.0, 5674.0, 5466.0, 5344.0, 5595.0, 5420.0, 5579.0, 5430.0, 5663.0, 5389.0, 5390.0, 5313.0, 5359.0, 5316.0, 5693.0, 5610.0, 5428.0, 5706.0, 5608.0, 5362.0, 5412.0, 5322.0, 5689.0, 5380.0, 5450.0, 5650.0, 5627.0, 5549.0, 5376.0, 5497.0, 5699.0, 5435.0, 5501.0, 5660.0, 5494.0, 5486.0, 5295.0, 5475.0, 5471.0, 5607.0, 5473.0, 5634.0, 5708.0, 5324.0, 5394.0, 5518.0, 5662.0, 5511.0, 5446.0, 5655.0, 5580.0, 5465.0, 5673.0, 5620.0, 5298.0, 5698.0, 5372.0, 5597.0, 5311.0, 5632.0, 5679.0, 5566.0, 5550.0, 5685.0, 5545.0, 5623.0, 5351.0, 5340.0, 5472.0, 5574.0, 5458.0, 5720.0, 5329.0, 5375.0, 5273.0, 5517.0, 5532.0, 5423.0, 5670.0, 5628.0, 5629.0, 5625.0, 5616.0, 5393.0, 5571.0, 5448.0, 5626.0 (number of hits: 3)
11	5520.0	9	1.0	333	1	5358.0, 5541.0, 5618.0, 5464.0, 5652.0, 5616.0, 5703.0, 5424.0, 5257.0, 5310.0, 5303.0, 5410.0, 5450.0, 5592.0, 5445.0, 5503.0, 5384.0, 5491.0, 5401.0, 5587.0, 5608.0, 5305.0, 5716.0, 5719.0, 5604.0, 5533.0, 5528.0, 5632.0, 5261.0, 5307.0, 5582.0, 5355.0, 5418.0, 5293.0, 5413.0, 5453.0, 5566.0, 5433.0, 5442.0, 5521.0, 5489.0, 5563.0, 5547.0, 5636.0, 5579.0, 5347.0, 5605.0, 5402.0, 5709.0, 5482.0, 5342.0, 5289.0, 5668.0, 5325.0, 5390.0, 5461.0, 5449.0, 5602.0, 5412.0, 5531.0, 5613.0, 5263.0, 5499.0, 5543.0, 5452.0, 5398.0, 5292.0, 5425.0, 5688.0, 5597.0, 5475.0, 5706.0, 5504.0, 5690.0, 5251.0, 5338.0, 5517.0, 5340.0, 5363.0, 5635.0, 5422.0, 5614.0, 5689.0, 5720.0, 5704.0, 5459.0, 5354.0, 5490.0, 5366.0, 5290.0, 5634.0, 5277.0, 5394.0, 5488.0, 5335.0, 5426.0, 5331.0, 5628.0, 5714.0, 5674.0 (number of hits: 3)
12	5520.0	9	1.0	333	1	5296.0, 5718.0, 5568.0, 5423.0, 5384.0, 5440.0, 5645.0, 5389.0, 5436.0, 5669.0, 5550.0, 5251.0, 5675.0, 5696.0, 5342.0, 5565.0, 5508.0, 5315.0, 5609.0, 5576.0, 5352.0, 5497.0, 5258.0, 5661.0, 5429.0, 5606.0, 5396.0, 5340.0, 5659.0, 5279.0, 5425.0, 5463.0, 5483.0, 5283.0, 5493.0, 5349.0, 5292.0, 5582.0, 5253.0, 5630.0, 5622.0, 5331.0, 5304.0, 5473.0, 5434.0, 5375.0, 5461.0, 5269.0, 5355.0, 5332.0, 5326.0, 5500.0, 5707.0, 5653.0, 5301.0,

						5503.0, 5693.0, 5339.0, 5273.0, 5682.0, 5291.0, 5409.0, 5664.0, 5410.0, 5552.0, 5337.0, 5572.0, 5491.0, 5521.0, 5496.0, 5270.0, 5654.0, 5271.0, 5625.0, 5670.0, 5571.0, 5388.0, 5415.0, 5398.0, 5406.0, 5633.0, 5322.0, 5644.0, 5382.0, 5346.0, 5543.0, 5522.0, 5404.0, 5700.0, 5599.0, 5676.0, 5432.0, 5697.0, 5717.0, 5447.0, 5311.0, 5514.0, 5360.0, 5459.0, 5628.0 (number of hits: 3)
13	5520.0	9	1.0	333	1	5652.0, 5345.0, 5506.0, 5724.0, 5446.0, 5594.0, 5473.0, 5441.0, 5339.0, 5541.0, 5589.0, 5533.0, 5459.0, 5540.0, 5624.0, 5641.0, 5482.0, 5309.0, 5305.0, 5562.0, 5677.0, 5346.0, 5529.0, 5560.0, 5498.0, 5354.0, 5380.0, 5256.0, 5492.0, 5581.0, 5558.0, 5335.0, 5407.0, 5269.0, 5314.0, 5693.0, 5311.0, 5369.0, 5703.0, 5495.0, 5428.0, 5692.0, 5638.0, 5605.0, 5504.0, 5716.0, 5511.0, 5608.0, 5644.0, 5367.0, 5280.0, 5609.0, 5508.0, 5368.0, 5262.0, 5355.0, 5480.0, 5324.0, 5442.0, 5257.0, 5521.0, 5515.0, 5551.0, 5452.0, 5614.0, 5363.0, 5646.0, 5630.0, 5488.0, 5316.0, 5253.0, 5342.0, 5699.0, 5655.0, 5420.0, 5642.0, 5431.0, 5295.0, 5299.0, 5251.0, 5390.0, 5598.0, 5643.0, 5461.0, 5502.0, 5493.0, 5478.0, 5717.0, 5587.0, 5497.0, 5333.0, 5467.0, 5686.0, 5421.0, 5543.0, 5649.0, 5634.0, 5487.0, 5389.0, 5550.0 (number of hits: 3)
14	5520.0	9	1.0	333	1	5450.0, 5256.0, 5611.0, 5455.0, 5338.0, 5665.0, 5547.0, 5591.0, 5310.0, 5366.0, 5321.0, 5579.0, 5350.0, 5617.0, 5368.0, 5423.0, 5319.0, 5588.0, 5628.0, 5575.0, 5659.0, 5675.0, 5479.0, 5297.0, 5647.0, 5314.0, 5627.0, 5639.0, 5467.0, 5511.0, 5612.0, 5292.0, 5447.0, 5668.0, 5411.0, 5549.0, 5370.0, 5445.0, 5555.0, 5489.0, 5540.0, 5598.0, 5387.0, 5272.0, 5703.0, 5514.0, 5686.0, 5577.0, 5629.0, 5651.0, 5583.0, 5690.0, 5381.0, 5427.0, 5365.0, 5317.0, 5496.0, 5683.0, 5263.0, 5633.0, 5372.0, 5548.0, 5277.0, 5400.0, 5264.0, 5325.0, 5655.0, 5448.0, 5709.0, 5409.0, 5519.0, 5526.0, 5397.0, 5394.0, 5255.0, 5722.0, 5290.0, 5476.0, 5634.0, 5262.0, 5595.0, 5299.0, 5468.0, 5268.0, 5482.0, 5652.0, 5593.0, 5395.0, 5420.0, 5719.0, 5708.0, 5473.0, 5483.0, 5353.0, 5430.0, 5535.0, 5357.0, 5702.0, 5386.0, 5326.0 (number of hits: 4)
15	5520.0	9	1.0	333	1	5541.0, 5297.0, 5451.0, 5357.0, 5579.0, 5467.0, 5258.0, 5296.0, 5664.0, 5568.0, 5400.0, 5275.0, 5418.0, 5398.0, 5551.0, 5390.0, 5650.0, 5267.0, 5510.0, 5710.0, 5471.0, 5465.0, 5462.0, 5595.0, 5573.0, 5454.0, 5309.0, 5449.0, 5301.0, 5348.0, 5689.0, 5646.0, 5676.0, 5661.0, 5292.0, 5673.0, 5707.0, 5494.0, 5360.0, 5434.0, 5416.0, 5484.0, 5503.0, 5637.0, 5324.0, 5695.0, 5367.0, 5480.0, 5374.0, 5312.0,

						5534.0, 5625.0, 5704.0, 5427.0, 5528.0, 5445.0, 5251.0, 5490.0, 5714.0, 5606.0, 5572.0, 5377.0, 5669.0, 5561.0, 5387.0, 5550.0, 5358.0, 5404.0, 5706.0, 5508.0, 5401.0, 5383.0, 5684.0, 5698.0, 5617.0, 5446.0, 5538.0, 5256.0, 5475.0, 5701.0, 5614.0, 5366.0, 5496.0, 5409.0, 5620.0, 5658.0, 5627.0, 5379.0, 5291.0, 5721.0, 5259.0, 5505.0, 5257.0, 5590.0, 5715.0, 5378.0, 5351.0, 5436.0, 5289.0, 5608.0 (number of hits: 1)
16	5520.0	9	1.0	333	1	5384.0, 5416.0, 5354.0, 5588.0, 5661.0, 5533.0, 5287.0, 5687.0, 5388.0, 5492.0, 5658.0, 5316.0, 5474.0, 5391.0, 5586.0, 5450.0, 5370.0, 5523.0, 5551.0, 5485.0, 5478.0, 5406.0, 5349.0, 5699.0, 5362.0, 5454.0, 5252.0, 5511.0, 5627.0, 5715.0, 5595.0, 5598.0, 5696.0, 5458.0, 5607.0, 5569.0, 5269.0, 5364.0, 5393.0, 5275.0, 5700.0, 5396.0, 5534.0, 5548.0, 5288.0, 5580.0, 5267.0, 5405.0, 5558.0, 5313.0, 5433.0, 5653.0, 5305.0, 5274.0, 5374.0, 5280.0, 5330.0, 5439.0, 5264.0, 5542.0, 5286.0, 5411.0, 5359.0, 5522.0, 5400.0, 5628.0, 5499.0, 5410.0, 5691.0, 5593.0, 5702.0, 5360.0, 5576.0, 5425.0, 5355.0, 5676.0, 5480.0, 5266.0, 5648.0, 5488.0, 5683.0, 5657.0, 5444.0, 5599.0, 5281.0, 5448.0, 5414.0, 5624.0, 5271.0, 5375.0, 5430.0, 5723.0, 5491.0, 5336.0, 5664.0, 5610.0, 5395.0, 5621.0, 5531.0, 5684.0 (number of hits: 3)
17	5520.0	9	1.0	333	1	5596.0, 5437.0, 5623.0, 5253.0, 5721.0, 5549.0, 5528.0, 5288.0, 5495.0, 5281.0, 5425.0, 5597.0, 5526.0, 5513.0, 5375.0, 5420.0, 5619.0, 5446.0, 5402.0, 5260.0, 5290.0, 5355.0, 5632.0, 5583.0, 5294.0, 5489.0, 5572.0, 5473.0, 5450.0, 5390.0, 5399.0, 5467.0, 5689.0, 5584.0, 5432.0, 5346.0, 5440.0, 5329.0, 5392.0, 5571.0, 5403.0, 5511.0, 5340.0, 5308.0, 5460.0, 5713.0, 5363.0, 5382.0, 5267.0, 5406.0, 5359.0, 5719.0, 5470.0, 5426.0, 5266.0, 5397.0, 5407.0, 5692.0, 5472.0, 5710.0, 5718.0, 5555.0, 5723.0, 5296.0, 5618.0, 5538.0, 5289.0, 5286.0, 5400.0, 5349.0, 5535.0, 5415.0, 5345.0, 5542.0, 5608.0, 5556.0, 5362.0, 5498.0, 5588.0, 5560.0, 5307.0, 5386.0, 5353.0, 5282.0, 5423.0, 5469.0, 5494.0, 5297.0, 5435.0, 5331.0, 5592.0, 5600.0, 5438.0, 5671.0, 5684.0, 5577.0, 5527.0, 5490.0, 5666.0, 5580.0 (number of hits: 5)
18	5520.0	9	1.0	333	1	5639.0, 5494.0, 5569.0, 5317.0, 5314.0, 5619.0, 5522.0, 5413.0, 5674.0, 5666.0, 5618.0, 5676.0, 5640.0, 5473.0, 5490.0, 5326.0, 5429.0, 5651.0, 5701.0, 5694.0, 5310.0, 5307.0, 5452.0, 5444.0, 5555.0, 5677.0, 5663.0, 5576.0, 5647.0, 5661.0, 5623.0, 5539.0, 5333.0, 5683.0, 5344.0, 5402.0, 5443.0, 5580.0, 5658.0, 5554.0, 5261.0, 5626.0, 5378.0, 5439.0, 5399.0,

						5313.0, 5559.0, 5533.0, 5253.0, 5642.0, 5451.0, 5721.0, 5712.0, 5432.0, 5377.0, 5318.0, 5610.0, 5659.0, 5579.0, 5381.0, 5564.0, 5453.0, 5488.0, 5273.0, 5347.0, 5518.0, 5403.0, 5416.0, 5638.0, 5503.0, 5441.0, 5350.0, 5545.0, 5486.0, 5693.0, 5407.0, 5295.0, 5286.0, 5489.0, 5548.0, 5446.0, 5665.0, 5668.0, 5649.0, 5464.0, 5685.0, 5374.0, 5356.0, 5300.0, 5614.0, 5650.0, 5436.0, 5515.0, 5284.0, 5600.0, 5558.0, 5409.0, 5511.0, 5281.0, 5375.0 (number of hits: 4)
19	5520.0	9	1.0	333	1	5500.0, 5594.0, 5300.0, 5632.0, 5708.0, 5560.0, 5448.0, 5654.0, 5384.0, 5378.0, 5508.0, 5414.0, 5536.0, 5707.0, 5515.0, 5346.0, 5440.0, 5675.0, 5352.0, 5467.0, 5569.0, 5406.0, 5325.0, 5330.0, 5426.0, 5404.0, 5505.0, 5577.0, 5674.0, 5714.0, 5252.0, 5376.0, 5344.0, 5669.0, 5682.0, 5302.0, 5405.0, 5603.0, 5687.0, 5284.0, 5584.0, 5399.0, 5563.0, 5599.0, 5457.0, 5466.0, 5527.0, 5521.0, 5324.0, 5670.0, 5611.0, 5609.0, 5447.0, 5258.0, 5484.0, 5535.0, 5607.0, 5688.0, 5445.0, 5253.0, 5625.0, 5692.0, 5356.0, 5476.0, 5624.0, 5409.0, 5572.0, 5492.0, 5410.0, 5468.0, 5266.0, 5261.0, 5705.0, 5403.0, 5596.0, 5458.0, 5326.0, 5338.0, 5471.0, 5333.0, 5647.0, 5579.0, 5570.0, 5272.0, 5499.0, 5427.0, 5686.0, 5480.0, 5264.0, 5700.0, 5319.0, 5585.0, 5618.0, 5558.0, 5349.0, 5588.0, 5438.0, 5402.0, 5506.0, 5528.0 (number of hits: 4
20	5520.0	9	1.0	333	1	5648.0, 5439.0, 5592.0, 5350.0, 5632.0, 5370.0, 5430.0, 5406.0, 5472.0, 5622.0, 5468.0, 5475.0, 5418.0, 5499.0, 5367.0, 5656.0, 5511.0, 5353.0, 5365.0, 5441.0, 5486.0, 5695.0, 5286.0, 5428.0, 5519.0, 5677.0, 5595.0, 5466.0, 5449.0, 5359.0, 5312.0, 5529.0, 5593.0, 5301.0, 5555.0, 5323.0, 5313.0, 5645.0, 5256.0, 5341.0, 5661.0, 5658.0, 5608.0, 5492.0, 5340.0, 5459.0, 5698.0, 5485.0, 5693.0, 5684.0, 5505.0, 5700.0, 5345.0, 5369.0, 5412.0, 5575.0, 5601.0, 5478.0, 5378.0, 5299.0, 5598.0, 5438.0, 5706.0, 5484.0, 5391.0, 5356.0, 5307.0, 5618.0, 5513.0, 5331.0, 5699.0, 5395.0, 5701.0, 5416.0, 5305.0, 5334.0, 5594.0, 5380.0, 5320.0, 5569.0, 5578.0, 5420.0, 5550.0, 5283.0, 5304.0, 5556.0, 5448.0, 5711.0, 5686.0, 5494.0, 5444.0, 5537.0, 5714.0, 5568.0, 5602.0, 5544.0, 5424.0, 5562.0, 5415.0, 5623.0 (number of hits: 3)
21	5520.0	9	1.0	333	1	5327.0, 5651.0, 5462.0, 5602.0, 5683.0, 5707.0, 5403.0, 5704.0, 5276.0, 5539.0, 5320.0, 5619.0, 5701.0, 5642.0, 5479.0, 5688.0, 5512.0, 5718.0, 5316.0, 5460.0, 5682.0, 5453.0, 5551.0, 5413.0, 5501.0, 5652.0, 5515.0, 5329.0, 5285.0, 5583.0, 5258.0, 5373.0, 5627.0, 5659.0, 5680.0, 5553.0, 5500.0, 5505.0, 5255.0, 5542.0,

						5631.0, 5267.0, 5646.0, 5443.0, 5270.0, 5485.0, 5712.0, 5687.0, 5681.0, 5288.0, 5455.0, 5678.0, 5298.0, 5633.0, 5653.0, 5534.0, 5301.0, 5473.0, 5428.0, 5452.0, 5379.0, 5691.0, 5518.0, 5677.0, 5422.0, 5321.0, 5709.0, 5529.0, 5459.0, 5527.0, 5624.0, 5690.0, 5341.0, 5392.0, 5722.0, 5686.0, 5398.0, 5307.0, 5506.0, 5694.0, 5478.0, 5484.0, 5672.0, 5649.0, 5386.0, 5351.0, 5252.0, 5278.0, 5721.0, 5349.0, 5275.0, 5679.0, 5448.0, 5673.0, 5427.0, 5433.0, 5347.0, 5601.0, 5663.0, 5599.0 (number of hits: 4)
22	5520.0	9	1.0	333	1	5302.0, 5325.0, 5600.0, 5348.0, 5309.0, 5394.0, 5289.0, 5431.0, 5294.0, 5443.0, 5415.0, 5388.0, 5513.0, 5298.0, 5383.0, 5353.0, 5626.0, 5633.0, 5303.0, 5502.0, 5370.0, 5483.0, 5421.0, 5526.0, 5578.0, 5403.0, 5635.0, 5586.0, 5538.0, 5454.0, 5376.0, 5561.0, 5271.0, 5490.0, 5313.0, 5450.0, 5422.0, 5478.0, 5292.0, 5563.0, 5409.0, 5686.0, 5349.0, 5719.0, 5387.0, 5308.0, 5357.0, 5571.0, 5488.0, 5705.0, 5608.0, 5720.0, 5560.0, 5693.0, 5280.0, 5406.0, 5480.0, 5265.0, 5424.0, 5534.0, 5518.0, 5614.0, 5281.0, 5385.0, 5575.0, 5451.0, 5655.0, 5423.0, 5504.0, 5531.0, 5252.0, 5401.0, 5700.0, 5460.0, 5557.0, 5470.0, 5599.0, 5311.0, 5622.0, 5467.0, 5393.0, 5382.0, 5527.0, 5514.0, 5314.0, 5724.0, 5414.0, 5425.0, 5374.0, 5304.0, 5500.0, 5668.0, 5442.0, 5709.0, 5346.0, 5506.0, 5708.0, 5601.0, 5684.0, 5722.0 (number of hits: 5)
23	5520.0	9	1.0	333	1	5398.0, 5581.0, 5501.0, 5579.0, 5673.0, 5483.0, 5593.0, 5329.0, 5401.0, 5269.0, 5633.0, 5424.0, 5430.0, 5666.0, 5665.0, 5324.0, 5514.0, 5288.0, 5458.0, 5277.0, 5492.0, 5386.0, 5536.0, 5337.0, 5263.0, 5259.0, 5351.0, 5707.0, 5663.0, 5279.0, 5532.0, 5360.0, 5690.0, 5434.0, 5604.0, 5584.0, 5497.0, 5578.0, 5710.0, 5319.0, 5254.0, 5678.0, 5531.0, 5334.0, 5341.0, 5437.0, 5658.0, 5338.0, 5352.0, 5432.0, 5559.0, 5304.0, 5616.0, 5618.0, 5274.0, 5538.0, 5717.0, 5696.0, 5563.0, 5438.0, 5562.0, 5488.0, 5453.0, 5377.0, 5535.0, 5454.0, 5540.0, 5509.0, 5478.0, 5576.0, 5252.0, 5317.0, 5339.0, 5462.0, 5436.0, 5450.0, 5316.0, 5691.0, 5389.0, 5537.0, 5688.0, 5427.0, 5287.0, 5503.0, 5570.0, 5422.0, 5286.0, 5392.0, 5379.0, 5431.0, 5505.0, 5284.0, 5384.0, 5405.0, 5381.0, 5619.0, 5679.0, 5506.0, 5511.0, 5526.0 (number of hits: 3)
24	5520.0	9	1.0	333	1	5413.0, 5684.0, 5283.0, 5586.0, 5606.0, 5534.0, 5488.0, 5568.0, 5670.0, 5435.0, 5471.0, 5600.0, 5713.0, 5559.0, 5270.0, 5357.0, 5562.0, 5323.0, 5700.0, 5461.0, 5623.0, 5309.0, 5337.0, 5538.0, 5621.0, 5599.0, 5463.0, 5351.0, 5256.0, 5285.0, 5348.0, 5517.0, 5719.0, 5640.0, 5669.0,

						5608.0, 5526.0, 5689.0, 5346.0, 5520.0, 5707.0, 5427.0, 5277.0, 5557.0, 5318.0, 5527.0, 5454.0, 5582.0, 5697.0, 5695.0, 5694.0, 5433.0, 5333.0, 5475.0, 5426.0, 5328.0, 5437.0, 5683.0, 5361.0, 5320.0, 5347.0, 5375.0, 5265.0, 5601.0, 5403.0, 5308.0, 5598.0, 5658.0, 5371.0, 5474.0, 5419.0, 5483.0, 5611.0, 5615.0, 5299.0, 5273.0, 5665.0, 5610.0, 5442.0, 5566.0, 5477.0, 5315.0, 5636.0, 5311.0, 5548.0, 5602.0, 5561.0, 5629.0, 5591.0, 5722.0, 5335.0, 5706.0, 5633.0, 5369.0, 5359.0, 5502.0, 5314.0, 5500.0, 5540.0, 5656.0 (number of hits: 4)
25	5520.0	9	1.0	333	1	5477.0, 5259.0, 5360.0, 5514.0, 5704.0, 5409.0, 5315.0, 5362.0, 5325.0, 5346.0, 5632.0, 5457.0, 5617.0, 5661.0, 5593.0, 5252.0, 5687.0, 5353.0, 5319.0, 5411.0, 5680.0, 5518.0, 5721.0, 5515.0, 5565.0, 5640.0, 5372.0, 5616.0, 5548.0, 5385.0, 5478.0, 5674.0, 5444.0, 5662.0, 5323.0, 5525.0, 5375.0, 5352.0, 5625.0, 5716.0, 5283.0, 5668.0, 5588.0, 5651.0, 5270.0, 5510.0, 5336.0, 5484.0, 5700.0, 5382.0, 5709.0, 5294.0, 5524.0, 5560.0, 5489.0, 5578.0, 5503.0, 5421.0, 5671.0, 5634.0, 5676.0, 5369.0, 5536.0, 5580.0, 5298.0, 5505.0, 5320.0, 5271.0, 5415.0, 5419.0, 5611.0, 5440.0, 5376.0, 5422.0, 5628.0, 5370.0, 5713.0, 5519.0, 5443.0, 5682.0, 5697.0, 5374.0, 5418.0, 5398.0, 5257.0, 5675.0, 5389.0, 5303.0, 5516.0, 5589.0, 5584.0, 5472.0, 5453.0, 5462.0, 5339.0, 5377.0, 5292.0, 5274.0, 5572.0, 5412.0 (number of hits: 7)
26	5520.0	9	1.0	333	1	5514.0, 5668.0, 5429.0, 5487.0, 5464.0, 5712.0, 5690.0, 5289.0, 5682.0, 5287.0, 5329.0, 5437.0, 5700.0, 5559.0, 5644.0, 5258.0, 5272.0, 5407.0, 5675.0, 5640.0, 5305.0, 5499.0, 5353.0, 5381.0, 5483.0, 5670.0, 5655.0, 5306.0, 5633.0, 5400.0, 5488.0, 5378.0, 5681.0, 5330.0, 5358.0, 5268.0, 5706.0, 5523.0, 5723.0, 5309.0, 5516.0, 5457.0, 5336.0, 5635.0, 5398.0, 5639.0, 5534.0, 5293.0, 5467.0, 5397.0, 5335.0, 5372.0, 5593.0, 5456.0, 5416.0, 5481.0, 5317.0, 5659.0, 5579.0, 5396.0, 5370.0, 5544.0, 5501.0, 5654.0, 5686.0, 5653.0, 5383.0, 5408.0, 5361.0, 5455.0, 5302.0, 5388.0, 5658.0, 5578.0, 5649.0, 5344.0, 5351.0, 5573.0, 5362.0, 5585.0, 5677.0, 5490.0, 5591.0, 5581.0, 5554.0, 5451.0, 5697.0, 5375.0, 5316.0, 5476.0, 5350.0, 5347.0, 5296.0, 5410.0, 5274.0, 5440.0, 5364.0, 5283.0, 5666.0, 5497.0 (number of hits: 3)
27	5520.0	9	1.0	333	1	5405.0, 5314.0, 5302.0, 5468.0, 5609.0, 5458.0, 5601.0, 5671.0, 5707.0, 5636.0, 5529.0, 5354.0, 5520.0, 5581.0, 5469.0, 5587.0, 5500.0, 5290.0, 5463.0, 5652.0, 5403.0, 5438.0, 5304.0, 5564.0, 5486.0, 5698.0, 5494.0, 5701.0, 5281.0, 5686.0,

						5556.0, 5417.0, 5523.0, 5333.0, 5498.0, 5369.0, 5379.0, 5541.0, 5350.0, 5374.0, 5639.0, 5442.0, 5559.0, 5357.0, 5416.0, 5406.0, 5596.0, 5267.0, 5562.0, 5273.0, 5341.0, 5606.0, 5409.0, 5344.0, 5473.0, 5693.0, 5363.0, 5470.0, 5312.0, 5558.0, 5655.0, 5328.0, 5367.0, 5669.0, 5348.0, 5608.0, 5709.0, 5291.0, 5542.0, 5560.0, 5439.0, 5252.0, 5702.0, 5549.0, 5380.0, 5260.0, 5633.0, 5571.0, 5539.0, 5543.0, 5493.0, 5254.0, 5654.0, 5462.0, 5293.0, 5288.0, 5714.0, 5651.0, 5537.0, 5364.0, 5544.0, 5695.0, 5443.0, 5712.0, 5667.0, 5477.0, 5453.0, 5638.0, 5514.0, 5310.0 (number of hits: 3)
28	5520.0	9	1.0	333	1	5558.0, 5261.0, 5586.0, 5550.0, 5637.0, 5373.0, 5534.0, 5270.0, 5509.0, 5314.0, 5326.0, 5399.0, 5551.0, 5299.0, 5708.0, 5577.0, 5601.0, 5530.0, 5499.0, 5501.0, 5377.0, 5531.0, 5397.0, 5258.0, 5469.0, 5680.0, 5688.0, 5628.0, 5307.0, 5528.0, 5532.0, 5693.0, 5255.0, 5425.0, 5279.0, 5316.0, 5607.0, 5620.0, 5568.0, 5343.0, 5329.0, 5559.0, 5389.0, 5512.0, 5310.0, 5465.0, 5283.0, 5672.0, 5613.0, 5338.0, 5264.0, 5388.0, 5478.0, 5570.0, 5576.0, 5477.0, 5408.0, 5589.0, 5416.0, 5472.0, 5251.0, 5644.0, 5567.0, 5662.0, 5438.0, 5374.0, 5605.0, 5315.0, 5387.0, 5360.0, 5526.0, 5653.0, 5522.0, 5683.0, 5617.0, 5539.0, 5496.0, 5371.0, 5450.0, 5346.0, 5259.0, 5461.0, 5696.0, 5640.0, 5312.0, 5582.0, 5413.0, 5334.0, 5493.0, 5720.0, 5254.0, 5614.0, 5698.0, 5267.0, 5581.0, 5517.0, 5651.0, 5535.0, 5468.0, 5678.0 (number of hits: 5)
29	5520.0	9	1.0	333	1	5435.0, 5575.0, 5459.0, 5394.0, 5398.0, 5659.0, 5307.0, 5593.0, 5264.0, 5578.0, 5539.0, 5653.0, 5687.0, 5700.0, 5684.0, 5309.0, 5608.0, 5581.0, 5460.0, 5627.0, 5717.0, 5624.0, 5258.0, 5525.0, 5704.0, 5348.0, 5651.0, 5709.0, 5675.0, 5644.0, 5500.0, 5634.0, 5681.0, 5279.0, 5321.0, 5491.0, 5292.0, 5648.0, 5386.0, 5380.0, 5438.0, 5595.0, 5712.0, 5448.0, 5502.0, 5544.0, 5281.0, 5706.0, 5487.0, 5428.0, 5449.0, 5548.0, 5637.0, 5585.0, 5663.0, 5655.0, 5327.0, 5476.0, 5654.0, 5306.0, 5619.0, 5591.0, 5403.0, 5434.0, 5366.0, 5527.0, 5551.0, 5371.0, 5633.0, 5270.0, 5483.0, 5716.0, 5397.0, 5611.0, 5280.0, 5311.0, 5694.0, 5375.0, 5599.0, 5685.0, 5298.0, 5268.0, 5623.0, 5415.0, 5361.0, 5369.0, 5482.0, 5517.0, 5423.0, 5363.0, 5427.0, 5409.0, 5503.0, 5708.0, 5538.0, 5723.0, 5367.0, 5305.0, 5365.0, 5657.0 (number of hits: 3)
30	5520.0	9	1.0	333	1	5294.0, 5467.0, 5552.0, 5457.0, 5689.0, 5525.0, 5589.0, 5597.0, 5326.0, 5293.0, 5318.0, 5418.0, 5465.0, 5469.0, 5687.0, 5376.0, 5645.0, 5659.0, 5573.0, 5529.0, 5586.0, 5639.0, 5335.0, 5288.0, 5378.0,

						5553.0, 5678.0, 5528.0, 5509.0, 5696.0, 5548.0, 5350.0, 5595.0, 5444.0, 5720.0, 5635.0, 5319.0, 5400.0, 5388.0, 5387.0, 5666.0, 5708.0, 5555.0, 5302.0, 5637.0, 5484.0, 5545.0, 5585.0, 5412.0, 5397.0, 5363.0, 5641.0, 5621.0, 5537.0, 5709.0, 5505.0, 5489.0, 5463.0, 5507.0, 5354.0, 5480.0, 5565.0, 5262.0, 5300.0, 5683.0, 5598.0, 5482.0, 5308.0, 5684.0, 5309.0, 5599.0, 5281.0, 5646.0, 5438.0, 5521.0, 5619.0, 5274.0, 5608.0, 5680.0, 5468.0, 5630.0, 5449.0, 5289.0, 5369.0, 5420.0, 5367.0, 5351.0, 5718.0, 5430.0, 5609.0, 5305.0, 5401.0, 5312.0, 5571.0, 5295.0, 5506.0, 5456.0, 5611.0, 5275.0, 5331.0 (number of hits: 3)

Auto Mode

5550 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	80.0 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	80%	Pass
Type 5	30	80.0 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	62	1.0	858	1
2	70	1.0	758	1
3	65	1.0	818	1
4	78	1.0	678	1
5	59	1.0	898	1
6	83	1.0	638	1
7	102	1.0	518	1
8	92	1.0	578	1
9	95	1.0	558	1
10	57	1.0	938	1
11	58	1.0	918	1
12	76	1.0	698	1
13	74	1.0	718	1
14	61	1.0	878	1
15	63	1.0	838	1
16	57	1.0	936	1
17	29	1.0	1865	1
18	82	1.0	647	1
19	19	1.0	2800	1
20	43	1.0	1238	1
21	55	1.0	965	1
22	24	1.0	2268	1
23	83	1.0	643	1
24	22	1.0	2513	1
25	85	1.0	622	1
26	19	1.0	2822	1
27	21	1.0	2557	1
28	47	1.0	1127	1
29	42	1.0	1264	1
30	48	1.0	1116	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	26	4.9	188	1
2	26	2.1	168	1
3	26	3.1	209	1
4	26	4.7	172	1
5	27	2.9	190	0
6	26	3.6	156	1
7	28	4.7	192	1
8	25	1.1	158	0
9	25	4.4	182	0
10	29	2.9	205	1
11	27	3.9	222	1
12	26	2.8	212	1
13	25	3.4	151	0
14	26	1.4	187	1
15	29	3.2	150	1
16	29	3.8	158	1
17	29	3.5	208	1
18	29	3.5	156	1
19	26	3.7	162	1
20	25	4.8	177	0
21	28	1.6	184	1
22	26	1.8	215	1
23	24	4.7	180	0
24	24	4.5	219	1
25	23	4.8	177	0
26	28	2.9	204	1
27	29	3.7	197	1
28	24	1.1	191	1
29	29	3.7	195	1
30	27	1.9	175	0
Detection Percentage: 73.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	9.2	354	1
2	18	9.5	437	0
3	17	9.9	352	1
4	18	7.4	474	1
5	17	8.0	418	1
6	18	8.5	451	0
7	17	9.3	469	1
8	17	7.6	357	1
9	17	7.6	293	1
10	18	9.7	332	1
11	16	8.8	325	0
12	17	9.8	231	1
13	18	9.6	293	0
14	18	8.0	450	1
15	18	6.9	217	0
16	17	8.5	361	1
17	16	9.3	485	1
18	18	6.4	230	1
19	17	8.7	425	1
20	17	8.4	460	1
21	18	9.5	496	1
22	16	7.2	303	1
23	16	7.1	298	1
24	18	8.1	350	1
25	16	8.8	446	1
26	17	9.4	219	1
27	18	9.7	283	1
28	17	8.3	484	0
29	17	7.6	306	1
30	17	8.2	499	1
Detection Percentage: 80.0 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5530-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	14.1	335	1
2	13	14.7	331	1
3	15	14.2	317	1
4	16	18.5	327	0
5	14	15.1	284	1
6	16	12.9	243	1
7	14	14.5	353	1
8	12	12.6	402	1
9	14	16.7	296	1
10	13	14.8	482	1
11	16	16.6	250	1
12	15	11.5	338	1
13	15	15.4	346	1
14	12	14.5	285	1
15	15	16.6	357	1
16	13	15.5	227	1
17	12	12.5	387	1
18	12	14.5	259	0
19	16	14.9	294	1
20	15	19.3	363	1
21	16	19.7	218	1
22	12	14.2	237	1
23	16	14.5	336	1
24	15	15.4	331	1
25	13	11.0	288	0
26	14	16.3	479	0
27	12	19.9	355	0
28	13	18.8	488	1
29	14	18.9	323	1
30	12	14.5	457	1
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5550	1
2	5550	1
3	5550	1
4	5550	1
5	5550	1
6	5550	0
7	5550	1
8	5550	1
9	5550	0
10	5550	1
11	5537.2	0
12	5538.4	1
13	5536.8	1
14	5537.6	1
15	5536.8	1
16	5537.6	1
17	5536.4	0
18	5534.8	1
19	5534.4	1
20	5535.6	1
21	5564.0	1
22	5563.6	1
23	5564.8	0
24	5565.2	1
25	5560.4	1
26	5560.8	1
27	5566.4	0
28	5566.0	1
29	5566.0	1
30	5562.8	1
Detection Percentage: 80.0 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	78.1	1503		0.471864	1
1	1	12	92.8			1.933752	
2	1	12	57.1			2.610104	
3	2	12	81.5	1138		4.120249	
4	1	12	88.4			5.307798	
5	3	12	78.0	1056	1402	5.455086	
6	2	12	61.0	1820		6.662403	
7	3	12	84.7	1866	1030	7.780265	
8	3	12	63.8	1925	1184	9.369825	
9	1	12	77.2			9.856035	
10	2	12	81.4	1653		10.987517	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	76.0	1695	1717	0.081304	1
1	1	6	72.9			1.071844	
2	2	6	76.5	1349		1.294878	
3	1	6	71.2			1.989768	
4	2	6	62.8	1571		2.937734	
5	2	6	75.4	1202		3.137218	
6	2	6	82.7	1410		3.916110	
7	1	6	68.4			4.204818	
8	2	6	67.2	1328		5.107359	
9	1	6	92.5			5.905588	
10	2	6	73.7	1862		6.233590	
11	3	6	55.8	1285	1144	6.603182	
12	2	6	76.6	1581		7.576380	
13	2	6	78.7	1758		8.270595	
14	2	6	60.0	1368		8.414551	
15	3	6	92.5	1957	1774	9.266488	
16	2	6	77.1	1047		9.826040	
17	3	6	55.8	1242	1478	10.528725	
18	2	6	90.4	1219		11.151850	
19	1	6	73.7			11.956595	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	80.5			0.216431	1
1	1	8	74.4			1.510670	
2	1	8	78.8			2.099603	
3	3	8	96.2	1193	1970	3.104773	
4	2	8	88.4	1409		3.725285	
5	2	8	77.1	1855		4.964900	
6	2	8	64.8	1592		5.913676	
7	2	8	96.7	1899		7.291510	
8	2	8	79.3	1640		7.830246	
9	3	8	78.5	1569	1871	9.191693	
10	1	8	63.2			10.015357	
11	2	8	77.2	1212		10.335301	
12	3	8	99.3	1087	1834	11.371296	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	51.0			0.908832	1
1	3	6	83.3	1209	1087	1.485914	
2	3	6	50.4	1500	1470	2.458201	
3	1	6	63.7			3.710061	
4	2	6	61.1	1751		5.098857	
5	2	6	88.7	1888		6.789984	
6	3	6	88.7	1595	1777	7.910629	
7	2	6	75.1	1768		8.912876	
8	1	6	93.4			10.114425	
9	2	6	59.6	1517		11.746216	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	91.8	1598		0.341890	1
1	2	9	58.0	1212		1.271030	
2	1	9	78.9			2.685878	
3	1	9	68.5			4.686728	
4	2	9	84.7	1365		5.267222	
5	2	9	61.4	1295		7.095302	
6	2	9	80.5	1643		7.836575	
7	2	9	87.9	1582		9.265572	
8	1	9	54.5			9.605631	
9	2	9	57.4	1137		11.563593	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	70.5			0.615152	0
1	3	13	80.5	1738	1512	1.930749	
2	2	13	53.3	1766		2.676178	
3	3	13	54.0	1031	1397	4.665060	
4	3	13	60.1	1095	1280	6.561394	
5	1	13	74.8			7.286552	
6	2	13	93.6	1606		8.350695	
7	3	13	50.4	1319	1040	10.001608	
8	2	13	86.9	1550		11.363431	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	70.8	1281		0.473365	1
1	2	10	90.4	1516		1.108698	
2	3	10	99.3	1704	1451	1.671418	
3	2	10	62.3	1124		2.187923	
4	2	10	78.2	1665		3.106113	
5	2	10	83.7	1756		3.835581	
6	3	10	79.2	1980	1763	4.424703	
7	2	10	71.3	1344		5.226794	
8	1	10	94.8			5.484155	
9	2	10	99.9	1298		6.613685	
10	1	10	54.2			7.320820	
11	1	10	94.5			7.571089	
12	3	10	57.6	1063	1042	8.525803	
13	1	10	77.6			8.759485	
14	3	10	57.1	1732	1824	9.561164	
15	2	10	89.8	1341		10.413855	
16	2	10	80.5	1855		11.082452	
17	3	10	74.2	1496	1795	11.946703	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	56.1	1825		0.708410	1
1	3	16	76.1	1894	1904	1.106431	
2	2	16	56.8	1527		2.541316	
3	1	16	59.4			3.086828	
4	3	16	72.9	1972	1938	4.039821	
5	2	16	60.9	1243		4.648001	
6	1	16	69.3			5.249326	
7	2	16	84.3	1172		6.727220	
8	2	16	93.0	1800		7.252041	
9	2	16	86.9	1999		8.535122	
10	1	16	85.1			8.885065	
11	2	16	82.8	1530		10.268295	
12	1	16	63.2			10.982311	
13	2	16	61.1	1574		11.278174	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	81.2	1520	1437	0.325502	0
1	3	13	87.7	1205	1402	1.302250	
2	2	13	90.3	1473		2.178417	
3	3	13	60.1	1525	1825	2.490406	
4	2	13	55.3	1323		3.372085	
5	2	13	71.5	1508		3.780953	
6	3	13	72.8	1084	1003	4.765693	
7	2	13	53.9	1886		5.834516	
8	2	13	77.7	1927		6.335548	
9	2	13	84.9	1742		7.022381	
10	3	13	85.3	1009	1813	7.876596	
11	3	13	56.6	1941	1123	8.476806	
12	2	13	65.4	1061		9.606185	
13	2	13	65.4	1798		9.773069	
14	1	13	86.5			10.848229	
15	1	13	73.5			11.274827	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	91.3	1944	1399	0.619331	1
1	1	5	79.4			0.972325	
2	2	5	82.1	1116		1.729228	
3	3	5	62.1	1208	1236	2.306171	
4	3	5	96.9	1352	1737	3.129354	
5	2	5	81.7	1016		3.682042	
6	2	5	86.7	1182		4.244575	
7	1	5	61.7			5.633543	
8	2	5	50.4	1877		5.655977	
9	1	5	61.6			6.758875	
10	3	5	90.6	1458	1302	7.550583	
11	1	5	89.7			7.844692	
12	3	5	87.2	1394	1291	8.877318	
13	2	5	55.5	1145		9.271409	
14	3	5	90.2	1642	1957	10.519248	
15	1	5	91.6			11.090011	
16	3	5	56.3	1551	1916	11.974115	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	87.9	1845	1496	0.435495	0
1	2	14	65.6	1499		1.651645	
2	1	14	87.4			3.019607	
3	2	14	60.3	1134		4.869388	
4	3	14	67.1	1012	1533	6.167293	
5	2	14	55.7	1205		8.341543	
6	2	14	83.9	1697		9.943171	
7	1	14	93.7			10.650842	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	86.0	1722		0.079193	1
1	1	17	57.2			1.184235	
2	2	17	98.3	1057		1.865132	
3	3	17	82.2	1397	1365	2.809567	
4	3	17	71.0	1459	1440	3.670872	
5	1	17	96.8			4.136030	
6	3	17	68.5	1741	1814	4.939178	
7	2	17	60.0	1588		5.331153	
8	2	17	86.6	1833		6.495966	
9	2	17	66.8	1552		7.186858	
10	3	17	97.3	1995	1804	7.906156	
11	1	17	69.9			8.637971	
12	1	17	94.2			9.725354	
13	3	17	50.1	1798	1422	10.264930	
14	3	17	79.0	1562	1652	10.918133	
15	2	17	86.9	1483		11.777565	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	59.4	1472		0.764176	1
1	2	13	54.0	1490		2.311381	
2	3	13	94.4	1069	1656	3.302170	
3	2	13	99.4	1390		4.185168	
4	3	13	79.4	1884	1681	5.240553	
5	2	13	52.0	1894		6.279486	
6	1	13	82.8			8.103784	
7	3	13	83.1	1921	1447	8.426324	
8	1	13	65.4			10.224621	
9	2	13	78.4	1803		11.262845	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	57.5			0.558242	1
1	2	15	77.3	1230		1.200995	
2	3	15	92.9	1950	1852	2.204280	
3	1	15	69.9			2.902923	
4	3	15	64.4	1811	1049	3.922382	
5	2	15	71.1	1516		4.757960	
6	3	15	87.7	1390	1239	5.549120	
7	2	15	91.1	1730		6.532737	
8	1	15	52.5			7.038078	
9	2	15	94.2	1901		8.307325	
10	1	15	64.3			8.622327	
11	1	15	73.0			10.058508	
12	2	15	73.3	1463		11.080923	
13	3	15	94.6	1464	1751	11.161035	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	63.9	1316		0.497823	1
1	2	13	64.7	1640		1.512456	
2	2	13	53.2	1185		3.233257	
3	2	13	61.3	1231		5.741705	
4	2	13	55.1	1856		6.483998	
5	1	13	66.9			8.108166	
6	2	13	75.2	1633		9.860504	
7	3	13	57.6	1541	1701	11.513066	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	96.2			0.527120	1
1	1	15	79.5			1.095540	
2	3	15	97.4	1464	1334	1.369662	
3	1	15	68.0			2.025586	
4	2	15	60.4	1650		2.966843	
5	1	15	98.0			3.386442	
6	2	15	86.3	1507		3.728475	
7	1	15	92.4			4.521092	
8	2	15	57.1	1938		4.869472	
9	3	15	68.5	1184	1168	5.607446	
10	2	15	81.7	1113		6.349702	
11	1	15	69.8			6.828669	
12	2	15	73.1	1288		7.223656	
13	2	15	82.1	1912		8.098668	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	65.3	1567		0.303984	0
1	2	12	99.0	1020		1.123116	
2	3	12	57.5	1445	1710	1.535309	
3	2	12	84.5	1727		1.809181	
4	2	12	85.0	1155		2.662282	
5	2	12	86.4	1769		3.388156	
6	3	12	92.0	1455	1973	3.647503	
7	2	12	73.1	1394		4.466879	
8	2	12	70.8	1139		5.013926	
9	3	12	64.7	1484	1767	5.471779	
10	2	12	78.2	1271		6.576811	
11	3	12	76.2	1700	1396	6.953950	
12	2	12	88.3	1584		7.231101	
13	2	12	51.3	1616		8.193508	
14	2	12	52.9	1802		8.719979	
15	3	12	63.7	1421	1761	9.090613	
16	3	12	60.4	1562	1734	10.120533	
17	2	12	82.0	1851		10.591460	
18	3	12	56.2	1633	1897	11.181461	
19	3	12	73.7	1260	1887	11.477453	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	92.6	1688		0.435598	1
1	2	8	50.9	1161		1.524964	
2	1	8	83.0			2.313085	
3	2	8	86.3	1807		3.070435	
4	3	8	55.2	1531	1863	3.597476	
5	3	8	66.9	1927	1928	4.613875	
6	3	8	79.4	1641	1972	5.103329	
7	2	8	61.1	1104		6.209293	
8	2	8	56.7	1372		7.125289	
9	2	8	61.6	1489		7.769799	
10	2	8	92.0	1627		8.668895	
11	2	8	63.8	1637		9.496146	
12	1	8	54.2			10.107066	
13	2	8	76.0	1286		10.596599	
14	3	8	70.6	1500	1231	11.431891	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	67.1	1374		0.423694	
1	2	7	50.2	1129		2.009116	
2	2	7	70.2	1080		2.950087	
3	2	7	67.1	1642		4.549191	
4	2	7	83.5	1502		6.611452	1
5	2	7	81.6	1547		7.645632	
6	3	7	94.1	1315	1448	9.167495	
7	2	7	60.9	1317		10.113233	
8	2	7	65.0	1640		11.133245	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	57.1			0.525498	
1	1	10	69.1			1.592898	
2	1	10	82.6			2.169443	
3	2	10	85.3	1409		2.829317	
4	3	10	55.1	1565	1468	3.562545	
5	2	10	93.5	1308		4.586356	
6	3	10	87.8	1816	1021	5.123684	
7	1	10	58.5			6.204802	1
8	3	10	93.5	1048	1215	6.620777	
9	2	10	93.8	1705		7.685611	
10	2	10	59.5	1186		8.023926	
11	2	10	63.3	1917		8.934242	
12	2	10	60.7	1409		10.388048	
13	2	10	62.2	1289		11.018360	
14	2	10	76.6	1463		11.483282	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	90.2	1868		0.191892	1
1	2	11	98.8	1893		2.451705	
2	1	11	54.5			4.167493	
3	2	11	67.8	1686		4.889238	
4	3	11	63.5	1537	1633	6.754259	
5	2	11	59.4	1731		8.591527	
6	2	11	99.4	1852		9.786939	
7	1	11	56.2			10.960585	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	79.9	1931		0.484004	
1	2	12	86.7	1420		0.826387	
2	2	12	98.6	1557		1.676265	
3	3	12	76.4	1128	1790	2.254272	
4	2	12	76.0	1863		3.281454	
5	2	12	70.7	1876		3.823766	
6	2	12	77.1	1171		4.833585	
7	2	12	56.8	1710		5.093898	
8	2	12	71.7	1981		5.891114	1
9	1	12	93.7			6.698258	
10	2	12	64.1	1583		7.562588	
11	2	12	93.0	1414		7.997756	
12	2	12	95.6	1299		8.682768	
13	2	12	59.4	1676		9.180323	
14	2	12	79.9	1773		10.220988	
15	1	12	70.3			11.012578	
16	3	12	83.1	1603	1273	11.512859	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	75.9	1292	1215	0.805316	
1	1	9	63.2			1.968355	
2	2	9	80.6	1673		2.512594	
3	3	9	95.7	1956	1031	4.754140	
4	3	9	89.5	1956	1506	5.138087	0
5	2	9	50.2	1225		6.574411	
6	1	9	87.6			8.335041	
7	1	9	75.7			9.082805	
8	2	9	57.9	1940		9.767601	
9	2	9	93.4	1621		11.888975	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	76.1	1548		0.357674	
1	2	8	65.5	1783		0.909028	
2	1	8	96.5			1.394011	
3	1	8	70.3			1.901441	
4	2	8	94.6	1689		2.561853	
5	1	8	84.8			3.683012	
6	1	8	87.0			4.084336	
7	3	8	57.9	1567	1684	4.667097	
8	2	8	88.1	1939		5.553618	
9	1	8	67.9			6.189649	1
10	1	8	53.1			6.625553	
11	3	8	57.5	1373	1340	7.402845	
12	1	8	50.9			7.777800	
13	2	8	72.5	1734		8.450661	
14	1	8	55.9			9.250440	
15	3	8	64.4	1520	1502	9.963893	
16	2	8	65.6	1335		10.216172	
17	1	8	61.8			11.279966	
18	2	8	78.5	1859		11.687730	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	70.8	1663		0.141652	
1	2	20	81.7	1421		0.613128	
2	3	20	71.4	1063	1065	1.559090	
3	2	20	55.7	1333		2.337379	
4	1	20	57.1			2.938924	
5	2	20	71.2	1524		3.238034	
6	2	20	89.7	1649		4.083971	
7	2	20	90.0	1051		4.729192	
8	3	20	58.3	1643	1218	5.277877	
9	1	20	58.0			5.792715	
10	3	20	62.6	1083	1385	6.075417	
11	1	20	85.6			7.191131	1
12	3	20	63.8	1353	1816	7.419042	
13	2	20	60.1	1266		8.136772	
14	2	20	74.5	1226		8.650384	
15	1	20	94.4			9.430108	
16	2	20	51.0	1437		9.671879	
17	1	20	67.8			10.756837	
18	1	20	85.9			10.933811	
19	2	20	52.0	1791		11.790948	
0	2	20	70.8	1663		0.141652	
1	2	20	81.7	1421		0.613128	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	65.6	1263	1479	0.983197	1
1	1	19	89.7			1.485587	
2	2	19	67.2	1384		2.360941	
3	2	19	62.6	1062		3.960179	
4	3	19	77.7	1250	1132	4.122081	
5	1	19	85.0			5.958763	
6	2	19	91.1	1452		6.923028	
7	2	19	85.7	1686		7.841008	
8	2	19	63.9	1628		8.922554	
9	1	19	58.5			9.471294	
10	3	19	50.2	1851	1037	10.815245	
11	2	19	74.9	1217		11.892782	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	78.9			0.722434	0
1	3	5	97.1	1599	1154	2.462374	
2	3	5	80.9	1621	1738	3.622419	
3	3	5	86.8	1747	1406	5.646781	
4	2	5	91.3	1708		7.022602	
5	1	5	66.0			8.057270	
6	1	5	72.4			9.815768	
7	2	5	87.9	1948		11.919535	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	93.2			0.254396	
1	1	6	60.7			1.052199	
2	1	6	92.0			1.692728	
3	3	6	53.1	1679	1410	2.570936	
4	2	6	68.1	1398		3.343281	
5	2	6	97.7	1899		4.524234	
6	2	6	67.6	1611		5.353056	
7	2	6	56.0	1108		5.942544	1
8	2	6	97.1	1357		6.888823	
9	2	6	95.9	1877		7.571850	
10	2	6	70.1	1068		8.718011	
11	3	6	65.7	1666	1343	8.939699	
12	3	6	80.7	1765	1359	9.707629	
13	1	6	83.6			10.566604	
14	1	6	96.3			11.290585	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	80.9	1803	1627	0.500197	
1	3	6	62.8	1903	1568	1.107231	
2	2	6	87.4	1790		1.357211	
3	2	6	92.4	1540		2.098048	
4	1	6	63.2			3.154353	
5	1	6	55.3			3.721857	
6	2	6	66.8	1382		4.261461	
7	2	6	77.9	1312		4.822432	
8	3	6	90.9	1012	1453	5.479580	
9	2	6	85.6	1231		6.129287	1
10	3	6	54.0	1400	1002	6.422034	
11	3	6	69.4	1216	1298	6.966308	
12	2	6	78.5	1493		8.066270	
13	2	6	76.0	1305		8.394932	
14	3	6	88.2	1936	1527	9.267279	
15	1	6	64.1			9.787988	
16	2	6	95.2	1140		10.483853	
17	2	6	82.4	1906		11.011314	
18	3	6	76.9	1745	1038	11.392938	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	51.0	1197	1274	0.729256	
1	3	14	90.3	1815	1051	1.929441	
2	3	14	53.3	1257	1760	3.350493	
3	2	14	87.4	1417		4.058471	
4	1	14	63.5			6.522067	1
5	1	14	82.1			7.530265	
6	3	14	73.8	1046	1122	8.369050	
7	2	14	66.7	1380		10.519030	
8	2	14	92.9	1708		11.497138	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5550.0	9	1.0	333	1	5491.0, 5722.0, 5679.0, 5334.0, 5450.0, 5637.0, 5656.0, 5497.0, 5381.0, 5623.0, 5588.0, 5706.0, 5555.0, 5598.0, 5271.0, 5660.0, 5454.0, 5579.0, 5306.0, 5640.0, 5626.0, 5373.0, 5289.0, 5672.0, 5432.0, 5402.0, 5691.0, 5689.0, 5498.0, 5712.0, 5298.0, 5389.0, 5344.0, 5323.0, 5512.0, 5711.0, 5496.0, 5285.0, 5257.0, 5481.0, 5482.0, 5446.0, 5266.0, 5359.0, 5627.0, 5590.0, 5351.0, 5646.0, 5551.0, 5267.0, 5716.0, 5524.0, 5326.0, 5352.0, 5382.0, 5632.0, 5714.0, 5653.0, 5403.0, 5413.0, 5444.0, 5312.0, 5621.0, 5393.0, 5519.0, 5493.0, 5375.0, 5638.0, 5349.0, 5631.0, 5388.0, 5398.0, 5584.0, 5586.0, 5494.0, 5470.0, 5411.0, 5721.0, 5642.0, 5378.0, 5418.0, 5309.0, 5315.0, 5671.0, 5338.0, 5369.0, 5469.0, 5709.0, 5693.0, 5502.0, 5570.0, 5436.0, 5327.0, 5479.0, 5560.0, 5322.0, 5657.0, 5255.0, 5648.0, 5575.0 (number of hits: 3)
2	5550.0	9	1.0	333	1	5689.0, 5447.0, 5616.0, 5647.0, 5350.0, 5347.0, 5443.0, 5474.0, 5694.0, 5620.0, 5679.0, 5516.0, 5448.0, 5648.0, 5560.0, 5533.0, 5361.0, 5519.0, 5286.0, 5663.0, 5573.0, 5407.0, 5316.0, 5492.0, 5551.0, 5404.0, 5418.0, 5699.0, 5281.0, 5493.0, 5513.0, 5289.0, 5405.0, 5654.0, 5670.0, 5563.0, 5611.0, 5651.0, 5297.0, 5362.0, 5303.0, 5564.0, 5354.0, 5468.0, 5588.0, 5261.0, 5677.0, 5369.0, 5529.0, 5683.0, 5660.0, 5472.0, 5702.0, 5370.0, 5554.0, 5632.0, 5359.0, 5333.0, 5485.0, 5603.0, 5293.0, 5349.0, 5403.0, 5323.0, 5717.0, 5543.0, 5280.0, 5431.0, 5705.0, 5591.0, 5310.0, 5400.0, 5277.0, 5534.0, 5508.0, 5606.0, 5483.0, 5353.0, 5351.0, 5452.0, 5388.0, 5535.0, 5597.0, 5364.0, 5304.0, 5342.0, 5379.0, 5282.0, 5612.0, 5664.0, 5681.0, 5501.0, 5462.0, 5419.0, 5463.0, 5355.0, 5423.0, 5328.0, 5691.0, 5722.0 (number of hits: 9)
3	5550.0	9	1.0	333	1	5416.0, 5326.0, 5629.0, 5316.0, 5679.0, 5647.0, 5701.0, 5499.0, 5297.0, 5383.0, 5665.0, 5551.0, 5638.0, 5528.0, 5268.0, 5305.0, 5342.0, 5335.0, 5547.0, 5460.0, 5366.0, 5660.0, 5627.0, 5372.0, 5468.0, 5461.0, 5395.0, 5320.0, 5357.0, 5681.0, 5616.0, 5561.0, 5309.0, 5573.0, 5667.0, 5707.0, 5612.0, 5712.0, 5361.0, 5621.0, 5376.0, 5653.0, 5390.0, 5278.0, 5524.0, 5599.0, 5497.0, 5470.0, 5377.0, 5458.0, 5540.0, 5282.0, 5405.0, 5698.0, 5559.0, 5514.0, 5454.0, 5542.0, 5338.0, 5255.0, 5427.0, 5539.0, 5723.0, 5398.0, 5479.0, 5430.0, 5412.0, 5608.0, 5720.0, 5290.0, 5400.0, 5403.0, 5439.0, 5488.0, 5641.0, 5359.0, 5375.0, 5308.0, 5267.0, 5591.0, 5253.0, 5367.0, 5418.0, 5634.0, 5537.0, 5625.0, 5585.0, 5448.0, 5521.0, 5569.0, 5317.0, 5307.0, 5590.0, 5393.0, 5463.0, 5387.0, 5294.0, 5293.0, 5414.0, 5486.0 (number of hits: 8)
4	5550.0	9	1.0	333	1	5507.0, 5411.0, 5281.0, 5586.0, 5337.0, 5555.0, 5628.0, 5578.0, 5280.0, 5299.0, 5422.0, 5385.0, 5681.0, 5292.0, 5653.0, 5359.0, 5304.0, 5373.0, 5335.0, 5523.0, 5383.0, 5290.0, 5272.0, 5673.0, 5693.0, 5674.0, 5252.0, 5405.0, 5575.0, 5657.0, 5666.0, 5369.0, 5370.0, 5466.0, 5442.0, 5361.0, 5291.0, 5643.0, 5682.0, 5464.0, 5566.0, 5453.0, 5495.0, 5562.0, 5459.0, 5645.0, 5456.0, 5489.0, 5426.0, 5553.0, 5250.0, 5334.0, 5583.0, 5278.0, 5401.0, 5499.0, 5313.0, 5606.0, 5506.0, 5388.0, 5450.0, 5590.0, 5377.0, 5714.0, 5521.0, 5382.0, 5529.0, 5380.0, 5276.0, 5431.0, 5395.0, 5607.0, 5589.0, 5710.0, 5286.0, 5556.0, 5396.0,

						5346.0, 5428.0, 5259.0, 5475.0, 5537.0, 5582.0, 5699.0, 5617.0, 5691.0, 5532.0, 5312.0, 5708.0, 5608.0, 5722.0, 5667.0, 5716.0, 5694.0, 5623.0, 5650.0, 5541.0, 5467.0, 5515.0, 5652.0 (number of hits: 8)
5	5550.0	9	1.0	333	1	5702.0, 5468.0, 5256.0, 5685.0, 5720.0, 5637.0, 5403.0, 5650.0, 5443.0, 5556.0, 5383.0, 5653.0, 5565.0, 5533.0, 5597.0, 5314.0, 5549.0, 5449.0, 5485.0, 5478.0, 5611.0, 5543.0, 5699.0, 5525.0, 5645.0, 5385.0, 5430.0, 5330.0, 5353.0, 5644.0, 5610.0, 5423.0, 5304.0, 5555.0, 5484.0, 5602.0, 5276.0, 5283.0, 5480.0, 5467.0, 5273.0, 5564.0, 5286.0, 5724.0, 5496.0, 5654.0, 5659.0, 5267.0, 5464.0, 5277.0, 5281.0, 5711.0, 5632.0, 5692.0, 5596.0, 5402.0, 5522.0, 5577.0, 5406.0, 5411.0, 5292.0, 5584.0, 5439.0, 5545.0, 5370.0, 5316.0, 5635.0, 5657.0, 5469.0, 5563.0, 5633.0, 5428.0, 5701.0, 5700.0, 5305.0, 5401.0, 5327.0, 5712.0, 5506.0, 5341.0, 5520.0, 5250.0, 5466.0, 5569.0, 5257.0, 5680.0, 5258.0, 5512.0, 5378.0, 5352.0, 5619.0, 5677.0, 5554.0, 5503.0, 5513.0, 5313.0, 5527.0, 5713.0, 5349.0, 5634.0 (number of hits: 10)
6	5550.0	9	1.0	333	1	5490.0, 5413.0, 5496.0, 5361.0, 5716.0, 5667.0, 5510.0, 5278.0, 5515.0, 5463.0, 5536.0, 5319.0, 5476.0, 5494.0, 5520.0, 5592.0, 5660.0, 5485.0, 5385.0, 5431.0, 5635.0, 5695.0, 5560.0, 5581.0, 5470.0, 5330.0, 5650.0, 5285.0, 5573.0, 5531.0, 5567.0, 5284.0, 5482.0, 5394.0, 5526.0, 5569.0, 5699.0, 5334.0, 5382.0, 5700.0, 5637.0, 5269.0, 5620.0, 5451.0, 5682.0, 5288.0, 5414.0, 5684.0, 5624.0, 5318.0, 5435.0, 5532.0, 5546.0, 5588.0, 5571.0, 5622.0, 5387.0, 5434.0, 5616.0, 5424.0, 5513.0, 5577.0, 5427.0, 5675.0, 5578.0, 5552.0, 5363.0, 5497.0, 5522.0, 5718.0, 5408.0, 5558.0, 5401.0, 5357.0, 5605.0, 5359.0, 5466.0, 5419.0, 5625.0, 5339.0, 5398.0, 5474.0, 5291.0, 5491.0, 5711.0, 5371.0, 5701.0, 5259.0, 5612.0, 5353.0, 5379.0, 5632.0, 5544.0, 5292.0, 5350.0, 5281.0, 5364.0, 5287.0, 5662.0, 5443.0 (number of hits: 8)
7	5550.0	9	1.0	333	1	5336.0, 5561.0, 5375.0, 5500.0, 5287.0, 5451.0, 5538.0, 5702.0, 5698.0, 5462.0, 5646.0, 5631.0, 5632.0, 5537.0, 5613.0, 5586.0, 5488.0, 5456.0, 5310.0, 5279.0, 5435.0, 5607.0, 5266.0, 5584.0, 5300.0, 5541.0, 5487.0, 5497.0, 5430.0, 5332.0, 5590.0, 5506.0, 5634.0, 5490.0, 5454.0, 5699.0, 5352.0, 5406.0, 5665.0, 5278.0, 5526.0, 5717.0, 5482.0, 5686.0, 5388.0, 5531.0, 5489.0, 5419.0, 5291.0, 5348.0, 5577.0, 5569.0, 5573.0, 5599.0, 5264.0, 5350.0, 5639.0, 5356.0, 5680.0, 5656.0, 5403.0, 5510.0, 5553.0, 5378.0, 5722.0, 5390.0, 5515.0, 5326.0, 5357.0, 5565.0, 5703.0, 5494.0, 5267.0, 5425.0, 5376.0, 5416.0, 5591.0, 5382.0, 5595.0, 5409.0, 5341.0, 5354.0, 5347.0, 5295.0, 5438.0, 5283.0, 5637.0, 5398.0, 5433.0, 5281.0, 5258.0, 5306.0, 5675.0, 5484.0, 5466.0, 5592.0, 5642.0, 5635.0, 5618.0, 5342.0 (number of hits: 6)
8	5550.0	9	1.0	333	1	5543.0, 5283.0, 5274.0, 5395.0, 5264.0, 5507.0, 5532.0, 5546.0, 5281.0, 5289.0, 5722.0, 5340.0, 5407.0, 5375.0, 5667.0, 5614.0, 5620.0, 5304.0, 5715.0, 5685.0, 5355.0, 5466.0, 5642.0, 5307.0, 5502.0, 5451.0, 5566.0, 5464.0, 5257.0, 5324.0, 5276.0, 5325.0, 5690.0, 5312.0, 5269.0, 5485.0, 5265.0, 5384.0, 5457.0, 5323.0, 5372.0, 5550.0, 5522.0, 5548.0, 5442.0, 5309.0, 5632.0, 5358.0, 5335.0, 5419.0, 5468.0, 5408.0, 5321.0, 5698.0, 5299.0, 5344.0, 5303.0, 5334.0, 5683.0, 5720.0, 5633.0, 5450.0, 5707.0, 5397.0, 5702.0, 5638.0, 5521.0, 5369.0, 5551.0, 5320.0, 5337.0, 5604.0, 5490.0, 5692.0, 5660.0, 5351.0, 5562.0, 5678.0, 5662.0, 5294.0, 5711.0, 5576.0, 5518.0, 5635.0, 5481.0, 5617.0, 5618.0, 5434.0, 5510.0, 5540.0, 5595.0,

						5253.0, 5445.0, 5526.0, 5486.0, 5616.0, 5695.0, 5405.0, 5585.0, 5612.0 (number of hits: 9)
9	5550.0	9	1.0	333	1	5714.0, 5591.0, 5647.0, 5439.0, 5371.0, 5423.0, 5295.0, 5458.0, 5565.0, 5276.0, 5595.0, 5571.0, 5436.0, 5377.0, 5252.0, 5716.0, 5336.0, 5542.0, 5562.0, 5479.0, 5523.0, 5631.0, 5651.0, 5487.0, 5678.0, 5480.0, 5262.0, 5293.0, 5695.0, 5282.0, 5253.0, 5267.0, 5543.0, 5605.0, 5611.0, 5704.0, 5341.0, 5672.0, 5328.0, 5701.0, 5457.0, 5552.0, 5645.0, 5477.0, 5410.0, 5719.0, 5673.0, 5711.0, 5335.0, 5560.0, 5432.0, 5389.0, 5707.0, 5551.0, 5472.0, 5368.0, 5471.0, 5433.0, 5702.0, 5257.0, 5590.0, 5420.0, 5697.0, 5365.0, 5504.0, 5392.0, 5632.0, 5689.0, 5584.0, 5391.0, 5250.0, 5556.0, 5710.0, 5265.0, 5363.0, 5656.0, 5585.0, 5607.0, 5683.0, 5394.0, 5442.0, 5405.0, 5384.0, 5655.0, 5559.0, 5413.0, 5279.0, 5567.0, 5280.0, 5664.0, 5271.0, 5486.0, 5304.0, 5675.0, 5274.0, 5438.0, 5536.0, 5619.0, 5557.0, 5603.0 (number of hits: 12)
10	5550.0	9	1.0	333	1	5260.0, 5623.0, 5571.0, 5413.0, 5473.0, 5381.0, 5472.0, 5400.0, 5507.0, 5560.0, 5552.0, 5368.0, 5456.0, 5397.0, 5692.0, 5261.0, 5534.0, 5705.0, 5366.0, 5352.0, 5302.0, 5388.0, 5362.0, 5493.0, 5350.0, 5276.0, 5270.0, 5500.0, 5720.0, 5320.0, 5654.0, 5402.0, 5598.0, 5531.0, 5618.0, 5652.0, 5321.0, 5656.0, 5314.0, 5506.0, 5365.0, 5474.0, 5535.0, 5723.0, 5665.0, 5610.0, 5471.0, 5419.0, 5427.0, 5277.0, 5310.0, 5273.0, 5625.0, 5495.0, 5346.0, 5716.0, 5528.0, 5444.0, 5312.0, 5640.0, 5681.0, 5563.0, 5382.0, 5641.0, 5403.0, 5415.0, 5289.0, 5343.0, 5299.0, 5433.0, 5524.0, 5672.0, 5708.0, 5503.0, 5336.0, 5452.0, 5635.0, 5479.0, 5568.0, 5329.0, 5463.0, 5337.0, 5536.0, 5253.0, 5450.0, 5619.0, 5434.0, 5360.0, 5673.0, 5390.0, 5607.0, 5582.0, 5358.0, 5586.0, 5617.0, 5505.0, 5359.0, 5307.0, 5286.0, 5600.0 (number of hits: 6)
11	5550.0	9	1.0	333	1	5625.0, 5493.0, 5442.0, 5591.0, 5365.0, 5571.0, 5387.0, 5517.0, 5286.0, 5264.0, 5253.0, 5464.0, 5318.0, 5561.0, 5529.0, 5440.0, 5534.0, 5715.0, 5472.0, 5312.0, 5462.0, 5309.0, 5550.0, 5290.0, 5700.0, 5408.0, 5598.0, 5669.0, 5416.0, 5651.0, 5697.0, 5409.0, 5255.0, 5426.0, 5418.0, 5704.0, 5296.0, 5510.0, 5620.0, 5641.0, 5680.0, 5578.0, 5634.0, 5360.0, 5628.0, 5686.0, 5292.0, 5548.0, 5660.0, 5711.0, 5584.0, 5252.0, 5596.0, 5665.0, 5351.0, 5613.0, 5428.0, 5543.0, 5484.0, 5377.0, 5635.0, 5395.0, 5298.0, 5439.0, 5683.0, 5473.0, 5438.0, 5341.0, 5457.0, 5368.0, 5506.0, 5263.0, 5664.0, 5698.0, 5490.0, 5521.0, 5437.0, 5648.0, 5458.0, 5556.0, 5288.0, 5477.0, 5689.0, 5452.0, 5343.0, 5339.0, 5403.0, 5386.0, 5618.0, 5661.0, 5545.0, 5421.0, 5353.0, 5565.0, 5580.0, 5667.0, 5705.0, 5291.0, 5268.0, 5721.0 (number of hits: 8)
12	5550.0	9	1.0	333	1	5639.0, 5329.0, 5679.0, 5354.0, 5671.0, 5510.0, 5374.0, 5645.0, 5460.0, 5673.0, 5328.0, 5644.0, 5397.0, 5589.0, 5337.0, 5306.0, 5691.0, 5455.0, 5418.0, 5454.0, 5694.0, 5499.0, 5353.0, 5647.0, 5578.0, 5525.0, 5659.0, 5445.0, 5555.0, 5407.0, 5396.0, 5316.0, 5720.0, 5614.0, 5568.0, 5710.0, 5367.0, 5413.0, 5613.0, 5410.0, 5653.0, 5704.0, 5685.0, 5663.0, 5305.0, 5382.0, 5557.0, 5263.0, 5498.0, 5623.0, 5322.0, 5281.0, 5496.0, 5511.0, 5458.0, 5346.0, 5517.0, 5657.0, 5567.0, 5314.0, 5661.0, 5571.0, 5546.0, 5429.0, 5350.0, 5383.0, 5652.0, 5317.0, 5414.0, 5643.0, 5340.0, 5612.0, 5361.0, 5439.0, 5544.0, 5426.0, 5722.0, 5491.0, 5531.0, 5500.0, 5299.0, 5622.0, 5620.0, 5390.0, 5654.0, 5564.0, 5463.0, 5711.0, 5535.0, 5270.0, 5590.0, 5537.0, 5598.0, 5261.0, 5376.0, 5505.0, 5530.0, 5670.0, 5318.0, 5386.0 (number of hits: 8)

13	5550.0	9	1.0	333	1	5542.0, 5253.0, 5359.0, 5339.0, 5447.0, 5360.0, 5689.0, 5657.0, 5376.0, 5400.0, 5439.0, 5565.0, 5451.0, 5384.0, 5454.0, 5553.0, 5644.0, 5369.0, 5421.0, 5364.0, 5625.0, 5405.0, 5652.0, 5566.0, 5409.0, 5612.0, 5571.0, 5498.0, 5346.0, 5268.0, 5302.0, 5629.0, 5287.0, 5681.0, 5486.0, 5724.0, 5713.0, 5712.0, 5412.0, 5569.0, 5592.0, 5428.0, 5449.0, 5264.0, 5510.0, 5354.0, 5436.0, 5679.0, 5415.0, 5292.0, 5304.0, 5471.0, 5550.0, 5392.0, 5472.0, 5688.0, 5579.0, 5640.0, 5475.0, 5608.0, 5442.0, 5514.0, 5262.0, 5355.0, 5605.0, 5258.0, 5516.0, 5319.0, 5519.0, 5511.0, 5694.0, 5649.0, 5687.0, 5283.0, 5282.0, 5318.0, 5397.0, 5338.0, 5320.0, 5314.0, 5418.0, 5366.0, 5315.0, 5589.0, 5326.0, 5407.0, 5552.0, 5417.0, 5495.0, 5393.0, 5710.0, 5413.0, 5707.0, 5522.0, 5670.0, 5279.0, 5572.0, 5586.0, 5290.0, 5643.0 (number of hits: 6)
14	5550.0	9	1.0	333	1	5374.0, 5621.0, 5490.0, 5285.0, 5310.0, 5348.0, 5527.0, 5326.0, 5410.0, 5464.0, 5427.0, 5689.0, 5713.0, 5347.0, 5323.0, 5692.0, 5254.0, 5510.0, 5515.0, 5399.0, 5495.0, 5284.0, 5299.0, 5418.0, 5382.0, 5486.0, 5255.0, 5518.0, 5423.0, 5493.0, 5437.0, 5625.0, 5317.0, 5506.0, 5602.0, 5619.0, 5294.0, 5329.0, 5256.0, 5556.0, 5480.0, 5601.0, 5459.0, 5252.0, 5636.0, 5675.0, 5555.0, 5509.0, 5443.0, 5308.0, 5539.0, 5489.0, 5680.0, 5502.0, 5609.0, 5307.0, 5318.0, 5668.0, 5405.0, 5309.0, 5291.0, 5577.0, 5665.0, 5684.0, 5463.0, 5709.0, 5264.0, 5644.0, 5610.0, 5634.0, 5698.0, 5325.0, 5257.0, 5589.0, 5586.0, 5258.0, 5545.0, 5401.0, 5503.0, 5629.0, 5473.0, 5547.0, 5595.0, 5352.0, 5413.0, 5297.0, 5351.0, 5496.0, 5453.0, 5540.0, 5393.0, 5425.0, 5653.0, 5666.0, 5442.0, 5440.0, 5361.0, 5569.0, 5321.0, 5631.0 (number of hits: 6)
15	5550.0	9	1.0	333	1	5292.0, 5382.0, 5497.0, 5597.0, 5677.0, 5662.0, 5399.0, 5438.0, 5664.0, 5449.0, 5252.0, 5290.0, 5629.0, 5338.0, 5580.0, 5494.0, 5645.0, 5704.0, 5693.0, 5506.0, 5592.0, 5281.0, 5542.0, 5581.0, 5631.0, 5560.0, 5600.0, 5259.0, 5608.0, 5364.0, 5499.0, 5273.0, 5400.0, 5326.0, 5572.0, 5395.0, 5701.0, 5530.0, 5697.0, 5269.0, 5633.0, 5547.0, 5514.0, 5484.0, 5613.0, 5456.0, 5354.0, 5319.0, 5444.0, 5250.0, 5362.0, 5482.0, 5321.0, 5433.0, 5473.0, 5492.0, 5533.0, 5365.0, 5513.0, 5483.0, 5657.0, 5486.0, 5553.0, 5586.0, 5588.0, 5639.0, 5681.0, 5360.0, 5258.0, 5479.0, 5672.0, 5302.0, 5573.0, 5450.0, 5383.0, 5501.0, 5561.0, 5369.0, 5656.0, 5617.0, 5453.0, 5428.0, 5678.0, 5425.0, 5330.0, 5623.0, 5339.0, 5312.0, 5414.0, 5448.0, 5374.0, 5531.0, 5335.0, 5478.0, 5595.0, 5694.0, 5341.0, 5451.0, 5286.0, 5511.0 (number of hits: 6)
16	5550.0	9	1.0	333	1	5718.0, 5298.0, 5267.0, 5645.0, 5708.0, 5707.0, 5469.0, 5509.0, 5471.0, 5674.0, 5263.0, 5382.0, 5256.0, 5273.0, 5684.0, 5593.0, 5709.0, 5716.0, 5285.0, 5600.0, 5721.0, 5586.0, 5446.0, 5428.0, 5563.0, 5580.0, 5416.0, 5340.0, 5350.0, 5561.0, 5358.0, 5305.0, 5570.0, 5338.0, 5705.0, 5272.0, 5582.0, 5680.0, 5574.0, 5411.0, 5715.0, 5571.0, 5691.0, 5460.0, 5640.0, 5410.0, 5443.0, 5397.0, 5544.0, 5690.0, 5365.0, 5491.0, 5295.0, 5260.0, 5496.0, 5605.0, 5573.0, 5381.0, 5387.0, 5366.0, 5325.0, 5567.0, 5279.0, 5482.0, 5664.0, 5313.0, 5444.0, 5565.0, 5427.0, 5627.0, 5526.0, 5331.0, 5500.0, 5657.0, 5641.0, 5682.0, 5558.0, 5347.0, 5375.0, 5268.0, 5284.0, 5308.0, 5265.0, 5618.0, 5303.0, 5326.0, 5578.0, 5637.0, 5380.0, 5386.0, 5329.0, 5667.0, 5452.0, 5483.0, 5262.0, 5543.0, 5554.0, 5692.0, 5607.0, 5480.0 (number of hits: 8)
17	5550.0	9	1.0	333	1	5364.0, 5380.0, 5355.0, 5639.0, 5430.0, 5255.0, 5712.0, 5590.0, 5585.0, 5307.0, 5365.0, 5582.0, 5325.0, 5579.0,

						5367.0, 5331.0, 5428.0, 5414.0, 5372.0, 5268.0, 5253.0, 5422.0, 5684.0, 5608.0, 5624.0, 5392.0, 5411.0, 5677.0, 5592.0, 5561.0, 5432.0, 5614.0, 5707.0, 5274.0, 5394.0, 5532.0, 5400.0, 5262.0, 5653.0, 5379.0, 5462.0, 5488.0, 5303.0, 5479.0, 5452.0, 5593.0, 5627.0, 5678.0, 5306.0, 5294.0, 5513.0, 5523.0, 5554.0, 5633.0, 5686.0, 5457.0, 5497.0, 5518.0, 5565.0, 5358.0, 5287.0, 5644.0, 5281.0, 5354.0, 5487.0, 5567.0, 5714.0, 5426.0, 5660.0, 5575.0, 5314.0, 5566.0, 5508.0, 5700.0, 5371.0, 5663.0, 5596.0, 5655.0, 5387.0, 5610.0, 5447.0, 5267.0, 5559.0, 5269.0, 5261.0, 5315.0, 5324.0, 5589.0, 5341.0, 5302.0, 5480.0, 5701.0, 5524.0, 5583.0, 5658.0, 5390.0, 5279.0, 5607.0, 5272.0, 5499.0 (number of hits: 7)
18	5550.0	9	1.0	333	1	5676.0, 5481.0, 5441.0, 5549.0, 5435.0, 5254.0, 5590.0, 5262.0, 5409.0, 5520.0, 5669.0, 5589.0, 5413.0, 5630.0, 5689.0, 5555.0, 5309.0, 5313.0, 5559.0, 5530.0, 5448.0, 5651.0, 5532.0, 5459.0, 5639.0, 5687.0, 5373.0, 5431.0, 5594.0, 5686.0, 5634.0, 5607.0, 5588.0, 5327.0, 5293.0, 5497.0, 5425.0, 5554.0, 5447.0, 5270.0, 5305.0, 5303.0, 5292.0, 5449.0, 5572.0, 5423.0, 5392.0, 5291.0, 5551.0, 5273.0, 5539.0, 5645.0, 5724.0, 5585.0, 5278.0, 5706.0, 5367.0, 5479.0, 5562.0, 5504.0, 5702.0, 5647.0, 5466.0, 5434.0, 5654.0, 5260.0, 5411.0, 5657.0, 5506.0, 5463.0, 5475.0, 5421.0, 5712.0, 5617.0, 5312.0, 5269.0, 5635.0, 5625.0, 5315.0, 5560.0, 5436.0, 5429.0, 5548.0, 5636.0, 5564.0, 5264.0, 5288.0, 5453.0, 5671.0, 5677.0, 5289.0, 5287.0, 5250.0, 5640.0, 5256.0, 5267.0, 5378.0, 5569.0, 5345.0, 5614.0 (number of hits: 11)
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20	5550.0	9	1.0	333	1	5419.0, 5448.0, 5524.0, 5286.0, 5485.0, 5612.0, 5606.0, 5603.0, 5647.0, 5500.0, 5531.0, 5257.0, 5549.0, 5362.0, 5525.0, 5562.0, 5302.0, 5330.0, 5716.0, 5332.0, 5712.0, 5693.0, 5645.0, 5479.0, 5440.0, 5324.0, 5548.0, 5379.0, 5269.0, 5609.0, 5296.0, 5472.0, 5313.0, 5611.0, 5504.0, 5260.0, 5352.0, 5704.0, 5642.0, 5340.0, 5424.0, 5374.0, 5638.0, 5272.0, 5299.0, 5287.0, 5675.0, 5256.0, 5445.0, 5478.0, 5375.0, 5468.0, 5526.0, 5700.0, 5588.0, 5616.0, 5382.0, 5273.0, 5373.0, 5465.0, 5567.0, 5283.0, 5255.0, 5703.0, 5282.0, 5706.0, 5558.0, 5402.0, 5309.0, 5325.0, 5258.0, 5683.0, 5432.0, 5655.0, 5337.0, 5288.0, 5477.0, 5643.0, 5423.0, 5676.0, 5687.0, 5279.0, 5625.0, 5630.0, 5461.0, 5670.0, 5298.0, 5521.0, 5501.0, 5274.0, 5418.0, 5646.0, 5370.0, 5372.0, 5356.0, 5417.0, 5457.0, 5310.0, 5433.0, 5523.0 (number of hits: 5)
21	5550.0	9	1.0	333	1	5615.0, 5485.0, 5611.0, 5595.0, 5638.0, 5642.0, 5614.0, 5391.0, 5383.0, 5715.0, 5677.0, 5471.0, 5665.0, 5512.0, 5693.0, 5711.0, 5545.0, 5709.0, 5633.0, 5264.0, 5435.0, 5304.0, 5699.0, 5301.0, 5353.0, 5439.0, 5522.0, 5325.0,

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22	5550.0	9	1.0	333	1	5335.0, 5444.0, 5267.0, 5303.0, 5359.0, 5433.0, 5326.0, 5621.0, 5550.0, 5716.0, 5434.0, 5637.0, 5463.0, 5664.0, 5479.0, 5252.0, 5587.0, 5372.0, 5392.0, 5641.0, 5312.0, 5593.0, 5301.0, 5675.0, 5306.0, 5530.0, 5423.0, 5365.0, 5445.0, 5522.0, 5633.0, 5451.0, 5300.0, 5325.0, 5632.0, 5280.0, 5570.0, 5283.0, 5623.0, 5556.0, 5265.0, 5450.0, 5384.0, 5454.0, 5711.0, 5564.0, 5715.0, 5691.0, 5708.0, 5345.0, 5611.0, 5257.0, 5287.0, 5351.0, 5514.0, 5404.0, 5381.0, 5705.0, 5599.0, 5525.0, 5425.0, 5508.0, 5315.0, 5250.0, 5254.0, 5349.0, 5447.0, 5455.0, 5546.0, 5429.0, 5288.0, 5273.0, 5693.0, 5416.0, 5366.0, 5460.0, 5262.0, 5393.0, 5650.0, 5344.0, 5385.0, 5652.0, 5285.0, 5295.0, 5493.0, 5422.0, 5686.0, 5533.0, 5412.0, 5431.0, 5272.0, 5319.0, 5499.0, 5307.0, 5264.0, 5281.0, 5371.0, 5382.0, 5388.0, 5327.0 (number of hits: 5)
23	5550.0	9	1.0	333	1	5674.0, 5336.0, 5715.0, 5561.0, 5633.0, 5669.0, 5395.0, 5501.0, 5464.0, 5483.0, 5310.0, 5690.0, 5445.0, 5507.0, 5516.0, 5448.0, 5495.0, 5485.0, 5717.0, 5288.0, 5295.0, 5335.0, 5420.0, 5586.0, 5534.0, 5372.0, 5317.0, 5711.0, 5694.0, 5411.0, 5685.0, 5704.0, 5651.0, 5611.0, 5660.0, 5566.0, 5514.0, 5573.0, 5670.0, 5548.0, 5560.0, 5692.0, 5568.0, 5470.0, 5455.0, 5356.0, 5591.0, 5354.0, 5720.0, 5443.0, 5642.0, 5587.0, 5594.0, 5658.0, 5499.0, 5459.0, 5714.0, 5526.0, 5427.0, 5355.0, 5287.0, 5353.0, 5460.0, 5598.0, 5329.0, 5365.0, 5461.0, 5646.0, 5471.0, 5339.0, 5693.0, 5656.0, 5351.0, 5350.0, 5496.0, 5440.0, 5721.0, 5301.0, 5373.0, 5347.0, 5428.0, 5518.0, 5577.0, 5334.0, 5657.0, 5475.0, 5559.0, 5360.0, 5655.0, 5315.0, 5290.0, 5435.0, 5323.0, 5661.0, 5653.0, 5665.0, 5659.0, 5252.0, 5399.0, 5337.0 (number of hits: 6)
24	5550.0	9	1.0	333	1	5500.0, 5509.0, 5470.0, 5426.0, 5338.0, 5691.0, 5365.0, 5260.0, 5573.0, 5718.0, 5492.0, 5676.0, 5361.0, 5457.0, 5326.0, 5532.0, 5580.0, 5518.0, 5581.0, 5271.0, 5374.0, 5439.0, 5498.0, 5382.0, 5607.0, 5333.0, 5288.0, 5619.0, 5284.0, 5620.0, 5569.0, 5527.0, 5296.0, 5664.0, 5408.0, 5394.0, 5688.0, 5564.0, 5703.0, 5713.0, 5301.0, 5318.0, 5264.0, 5692.0, 5529.0, 5568.0, 5455.0, 5499.0, 5262.0, 5535.0, 5536.0, 5432.0, 5405.0, 5322.0, 5378.0, 5540.0, 5663.0, 5312.0, 5502.0, 5342.0, 5605.0, 5631.0, 5524.0, 5276.0, 5291.0, 5708.0, 5388.0, 5344.0, 5690.0, 5506.0, 5582.0, 5460.0, 5417.0, 5286.0, 5689.0, 5354.0, 5700.0, 5601.0, 5347.0, 5372.0, 5566.0, 5662.0, 5466.0, 5557.0, 5403.0, 5538.0, 5428.0, 5462.0, 5321.0, 5278.0, 5287.0, 5656.0, 5588.0, 5638.0, 5384.0, 5686.0, 5652.0, 5255.0, 5436.0, 5603.0 (number of hits: 8)
25	5550.0	9	1.0	333	1	5528.0, 5481.0, 5684.0, 5636.0, 5530.0, 5254.0, 5453.0, 5611.0, 5572.0, 5527.0, 5349.0, 5559.0, 5432.0, 5292.0, 5374.0, 5678.0, 5612.0, 5452.0, 5386.0, 5261.0, 5320.0, 5330.0, 5607.0, 5411.0, 5473.0, 5710.0, 5560.0, 5435.0, 5525.0, 5613.0, 5389.0, 5639.0, 5465.0, 5263.0, 5334.0, 5567.0, 5642.0, 5450.0, 5526.0, 5366.0, 5265.0, 5653.0,

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26	5550.0	9	1.0	333	1	5555.0, 5476.0, 5344.0, 5446.0, 5410.0, 5567.0, 5403.0, 5368.0, 5401.0, 5389.0, 5579.0, 5461.0, 5261.0, 5289.0, 5421.0, 5517.0, 5636.0, 5335.0, 5266.0, 5705.0, 5654.0, 5260.0, 5328.0, 5626.0, 5602.0, 5674.0, 5641.0, 5314.0, 5385.0, 5411.0, 5270.0, 5286.0, 5313.0, 5413.0, 5464.0, 5668.0, 5550.0, 5504.0, 5378.0, 5653.0, 5447.0, 5391.0, 5521.0, 5318.0, 5253.0, 5716.0, 5281.0, 5691.0, 5559.0, 5277.0, 5490.0, 5434.0, 5715.0, 5583.0, 5351.0, 5680.0, 5441.0, 5418.0, 5274.0, 5702.0, 5574.0, 5352.0, 5279.0, 5616.0, 5647.0, 5321.0, 5722.0, 5682.0, 5718.0, 5251.0, 5338.0, 5282.0, 5563.0, 5652.0, 5666.0, 5628.0, 5257.0, 5402.0, 5686.0, 5453.0, 5665.0, 5509.0, 5331.0, 5512.0, 5710.0, 5596.0, 5485.0, 5301.0, 5307.0, 5322.0, 5538.0, 5478.0, 5349.0, 5495.0, 5315.0, 5428.0, 5633.0, 5524.0, 5630.0, 5395.0 (number of hits: 6)
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						5266.0, 5717.0, 5407.0, 5536.0, 5489.0, 5399.0, 5443.0, 5642.0, 5320.0, 5563.0, 5260.0, 5425.0, 5416.0, 5603.0, 5592.0, 5294.0, 5577.0, 5337.0, 5695.0, 5380.0, 5553.0, 5569.0, 5401.0, 5400.0, 5529.0, 5431.0, 5360.0, 5386.0, 5456.0, 5270.0, 5307.0, 5361.0, 5685.0, 5720.0, 5369.0, 5668.0, 5451.0, 5501.0, 5512.0, 5584.0, 5675.0, 5437.0, 5503.0, 5435.0 (number of hits: 9)
30	5550.0	9	1.0	333	1	5518.0, 5517.0, 5554.0, 5466.0, 5627.0, 5406.0, 5498.0, 5470.0, 5312.0, 5436.0, 5313.0, 5480.0, 5668.0, 5565.0, 5551.0, 5552.0, 5281.0, 5624.0, 5713.0, 5613.0, 5536.0, 5352.0, 5502.0, 5487.0, 5679.0, 5586.0, 5572.0, 5650.0, 5647.0, 5523.0, 5391.0, 5473.0, 5430.0, 5327.0, 5526.0, 5445.0, 5359.0, 5516.0, 5722.0, 5529.0, 5424.0, 5336.0, 5475.0, 5636.0, 5293.0, 5492.0, 5540.0, 5639.0, 5326.0, 5335.0, 5397.0, 5594.0, 5641.0, 5362.0, 5360.0, 5579.0, 5715.0, 5320.0, 5602.0, 5519.0, 5499.0, 5699.0, 5288.0, 5620.0, 5696.0, 5280.0, 5444.0, 5408.0, 5422.0, 5270.0, 5379.0, 5687.0, 5643.0, 5646.0, 5337.0, 5568.0, 5545.0, 5282.0, 5693.0, 5260.0, 5307.0, 5626.0, 5561.0, 5428.0, 5442.0, 5510.0, 5257.0, 5296.0, 5582.0, 5396.0, 5433.0, 5490.0, 5454.0, 5653.0, 5449.0, 5625.0, 5583.0, 5670.0, 5265.0, 5363.0 (number of hits: 8)

10 Annex A - UUT DFS Setup Photographs

Please refer to the attachement.

11 Annex B - UUT External Photographs

Please refer to the original FCC/IC filing.

12 Annex C - UUT Internal Photographs

Please refer to the original FCC/IC filing.

13 Annex D (Normative) - A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets A2LA R222 - *Specific Requirements EPA ENERGY STAR Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 10th day of March 2021.

Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3297.02
Valid to November 30, 2022
Revised September 16, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

Please follow the web link below for a full ISO 17025 scope

https://www.a2la.org/scopepdf/3297-02.pdf

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