FCC PART 15.407
ISED RSS-247 ISSUE 3
LP0002:2020
DYNAMIC FREQUENCY SELECTION
TEST REPORT

For

Cisco Systems, Inc.

FCC: 125 West Tasman Drive
San Jose, CA 95134-1706
IC: 170 W. Tasman Drive, Building P & 7
San Jose, CA 95134, United States of America (Excluding The States of Alaska)

FCC ID: LDKIW9165E
IC: 2461A-IW9165E
Similar Model: IW9165E-ROW, IW9165E-A, IW9165E-B

Report Type: Permissive Change		**Product Type:** Access Point
Prepared By	Tao Jin Test Engineer	
Report Number	R2309113-01	
Report Date	2023-10-09	
Reviewed By	Christian McCaig RF Lead Engineer	
Bay Area Compliance Laboratories Corp. 1274 Anvilwood Ave Sunnyvale, CA 94089, USA Tel: (408) 732-9162, Fax: (408) 732 9164		

CERTIFICATE #3297.02

* This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "*" (Rev.3)

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2309113-01	Permissive Change	2023-10-09

1 General Description

1.1 Product Description for Equipment Under Test (EUT)

This test report was prepared on behalf of *Cisco Systems Inc*., and their product *FCC ID: LDKIW9165E, IC: 2461A-IW9165E,* Model: IW9165E-B (FCC) and IW9165E-A (ISED) as referred to as EUT in this report. The product is a BLE, 4.9 GHz, 5G Wi-Fi dual band, 6E Wi-Fi, and GNSS Outdoor 2x2 Access Point. The EUT has two radios: Pine and Cobalt. Pine supports up to 160 MHz channel bandwidth configurations, and Cobalt supports up to 80 MHz channel bandwidth configurations. Both radios support operation in Access Point (AP) mode; in point to point (P2P) mode; point to multipoint (P2MP) mode; and point to multipoint Client Mode; with Radar Detection. Also Cobalt radio includes Working Group Bridge (WGB) mode.

*__Note__: WGB mode is used in Cobalt radio only

IW9165E-ROW and IW9165E-A are electrically identical with the tested model: IW9165E-B. Please refer to the Manufacturer Declaration of Similarity Letter in Appendix A.

The EUT supports AP mode for operation.

IW9165E-B - B domain (Hardware PID)
IW9165E-B-AP – Wi-Fi mode
IW9165E-B - URWB mode
IW9165E-B – WGB - WGB mode

IW9165E-A - A domain (Hardware PID)
IW9165E-A -AP – Wi-Fi mode
IW9165E-A - URWB mode
IW9165E-A – WGB - WGB mode

IW9165E-ROW - ROW domain (Hardware PID)
IW9165E-ROW-AP – Wi-Fi mode
IW9165E-ROW - URWB mode
IW9165E-ROW – WGB - WGB mode

Note: 5600-5650 MHz range shall not be applicable to ISED.

1.2 Mechanical Description of EUT

Length (cm)	Width (cm)	Height (cm)	Weight (kg)	S/N
15.2	12.3	4.3	0.70	FOC2638BKZ8

1.3 Objective

This report is prepared on behalf of *Cisco Systems, Inc.* in accordance with FCC CFR47 §15.407 (h), RSS-247 Issue 3 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

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

This report is for the purpose of a Class II permissive change for including AP Mode with Radar Detection.

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h), RSS-247 Issue 3

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 EnvCobaltmental 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;

2 EUT Test Configuration

2.1 Justification

The EUT was configured for testing according to FCC Part 15.407(h), RSS-247 Issue 3, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

2.2 EUT Exercise Software

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

For reference, the firmware running on the EUT was the following version:

2023/08/23 22:01:24 PDT
svn base: de018fb57ea3fd70ec8d7e6c3ec1fc3167131828M
commit: b6124aa80fa50d5a3ac803bd47623621c929fed1
tree 4a206a0f288bc2fa311411af9f4751dce88b195d
recent commit: de018fb57ea3fd70ec8d7e6c3ec1fc3167131828

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop RF1	Latitude E7440	C71SYZ1
Dell	DFS Laptop	Latitude E6410	FFXR4Q1

2.5 Remote Support Equipment

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T490	PF-274C83
Cisco	Switch	Catalyst 3850 24X UPOE	FCW2022F13W

2.6 Interface Ports and Cables

Cable Description	Length	To	From
Power cable	2 m	PoE	EUT
Ethernet cable	2 m	EUT	Switch
Serial Port cable	2 m	EUT	Laptop RF1
Ethernet cable	2 m	Switch	Laptop RF1

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 3, 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

Disclaimer: *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 3, 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

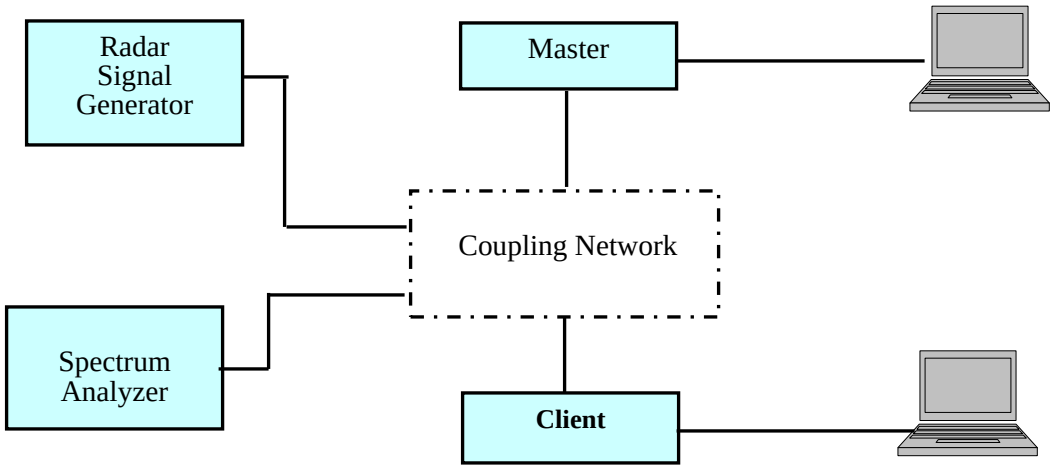
Table 7: Frequency Hopping Radar Test Signal

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

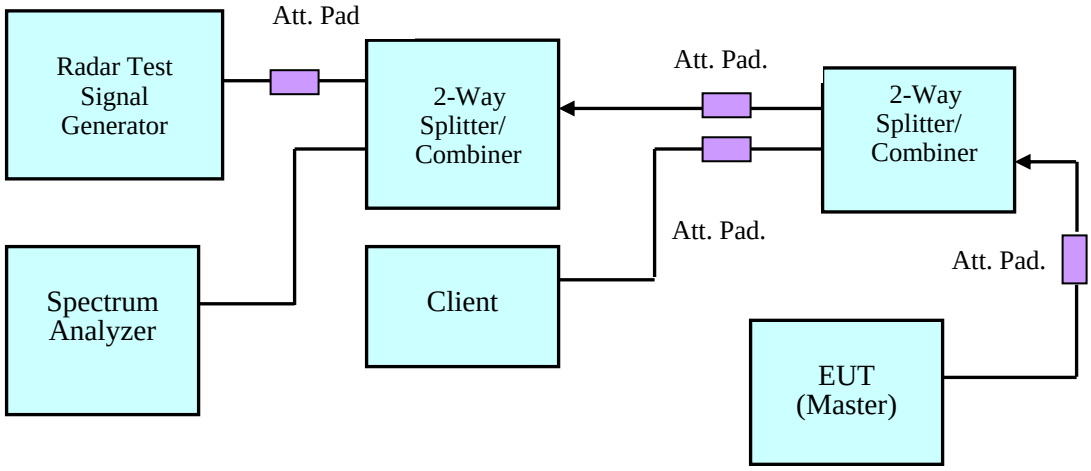
4.2 DFS Measurement System

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

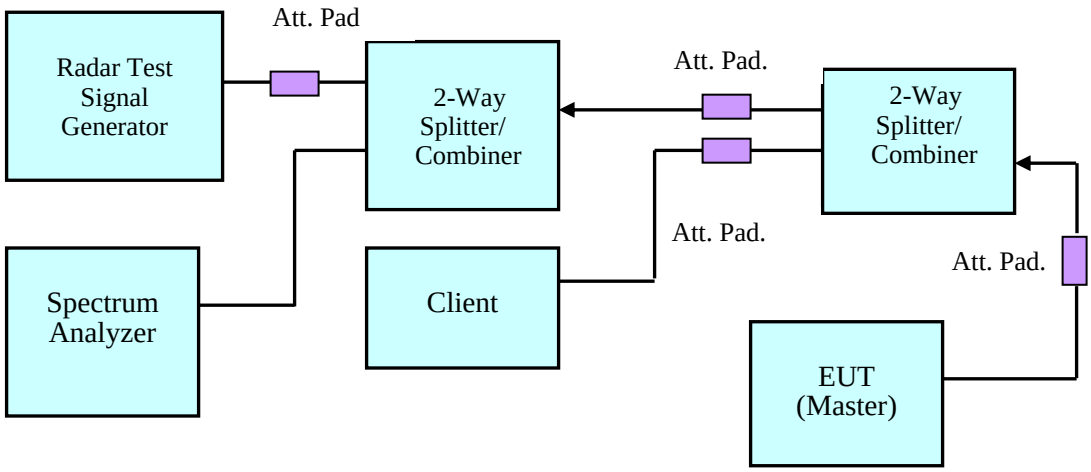
4.3 System Block Diagram



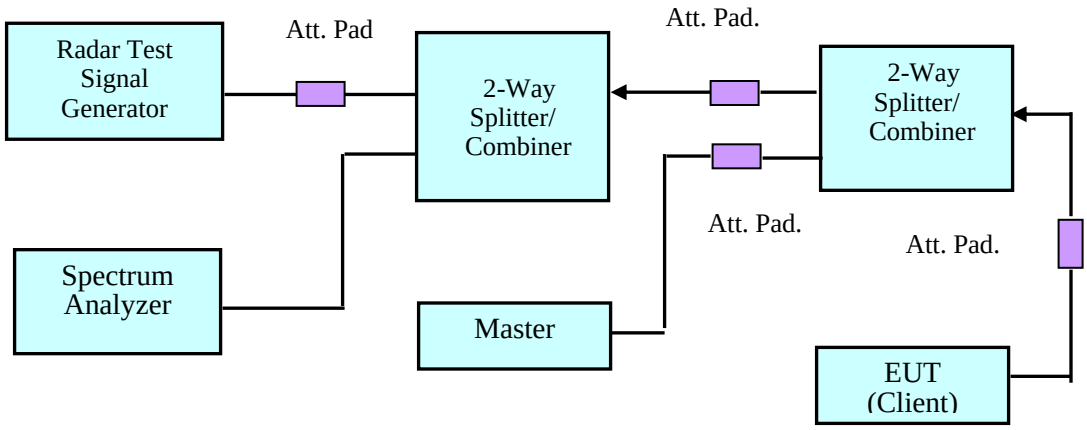
4.4 Conducted Method



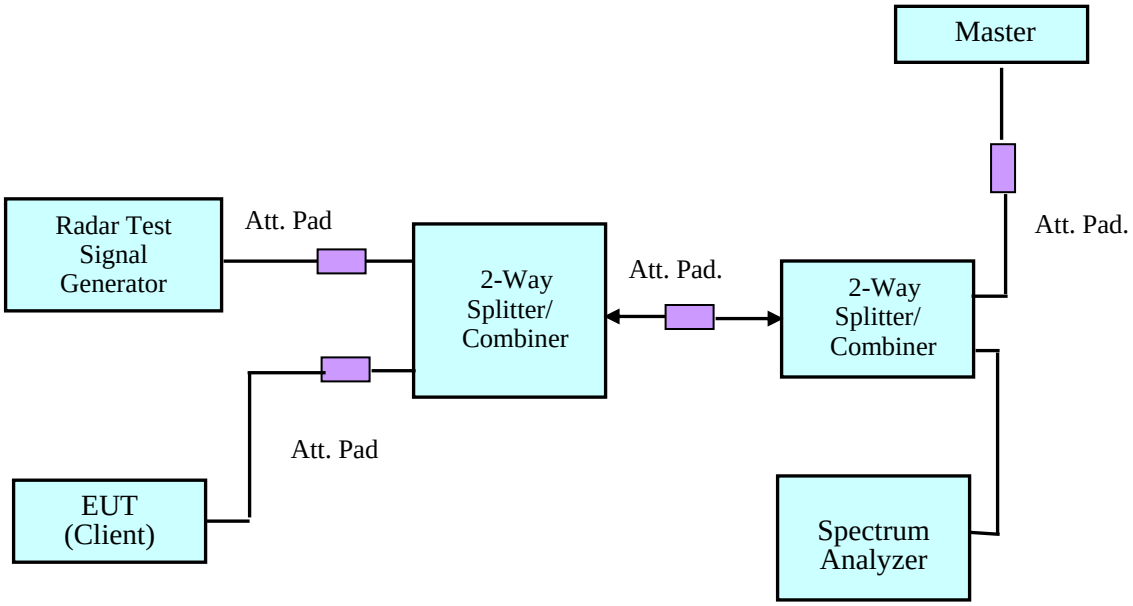
Setup for Conducted Method for Master Mode



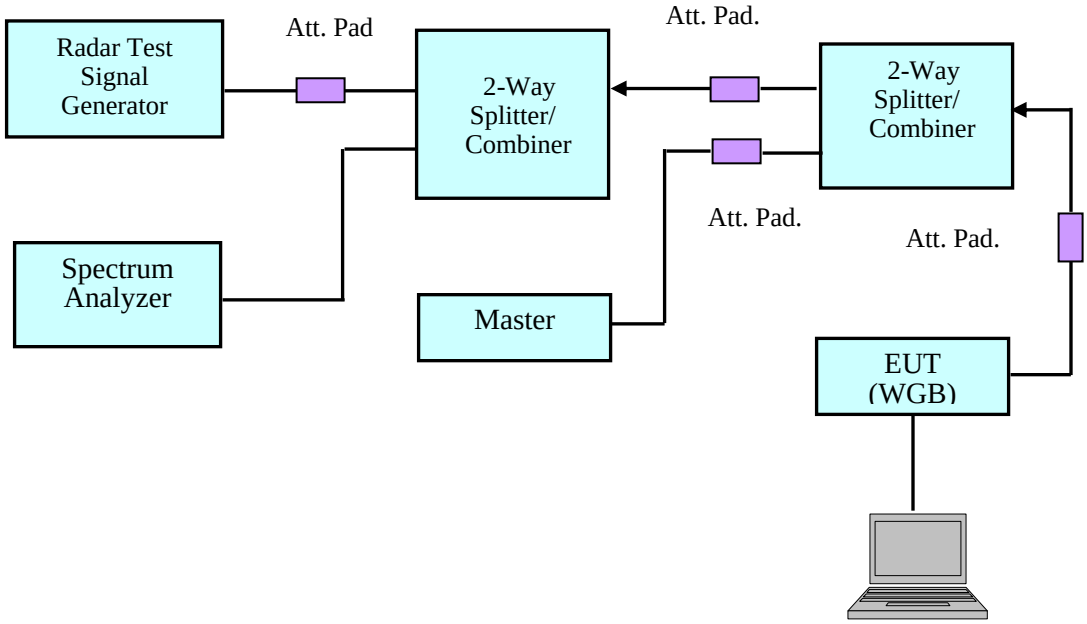
Setup for Conducted Method for Master Mode (P2P and P2MP)



Setup for Conducted Method for Client Mode (P2MP), client device is the RDD



Setup for Conducted Method for Client Mode (P2MP), master device is the RDD



Setup for Conducted Method for WGB mode

Note: In WGB mode, EUT connects the wireless supporting device in AP mode (Master) to the non-wireless supporting device (Laptop).

4.5 Test Procedure

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

5 Test Results

5.1 Description of EUT

The EUT operates in 5250-5350 MHz and 5470-5725 MHz range in Access Point (AP) Mode for both radios (Cobalt and Pine).

The EUT was configured to channel 100 for testing in 20 MHz bandwidth mode, configured to channel 102 for testing in 40 MHz bandwidth mode, configured to channel 106 for testing in 80 MHz bandwidth mode, and configured to channel 114 for testing in 160 MHz bandwidth mode. Although ISED does not support channel 114, testing was performed to show compliance on 160MHz bandwidth mode.

Please refer to the following table for Detection Threshold.

Radio Type	Operation Mode	Lowest Antenna Gain (dBi)	EIRP (dBm)	Detection Threshold Assuming 0 dBi Antenna Gain (dBm)	Detection Threshold at the Antenna Port (dBm)
Cobalt	AP	3	>23	-64	-61
Pine	AP	3	>23	-64	-61

Radio Type	Operation Mode	Lowest Antenna Gain (dBi)	EIRP (dBm)	Detection Threshold Assuming 0 dBi Antenna Gain (dBm)	Detection Threshold at the Antenna Port (dBm)
Cobalt	P2P	9.03	>23	-64	-54.97
	WGB,P2MP & Client	3	>23	-64	-61
Pine	P2P	9.03	>23	-64	-54.97
	P2MP & Client	3	>23	-64	-61

Note: Per customer, in AP mode, this device will not be able to operate on DFS Frequencies with an antenna gain less than the lowest antenna gain for each radio.

Note: Per client, operation modes will not operate with antennas that have lower gain than what is listed in above table. For example, P2P will not operate with antenna gain less than 9.03dBi and WGB,P2MP & Client will not operate with antenna gain less than 3dBi.

Please refer to the detailed antenna information in the next section.

WLAN traffic is generated by running iperf3.

5.2 Antenna Description

Antenna Type	Supplier	Antenna Part No.	Frequency (MHz)	Peak Antenna Gain (dBi)
Omnidirectional	Cisco	IW-ANT-OMM-53-N=	5.1GHz to 5.8GHz	3

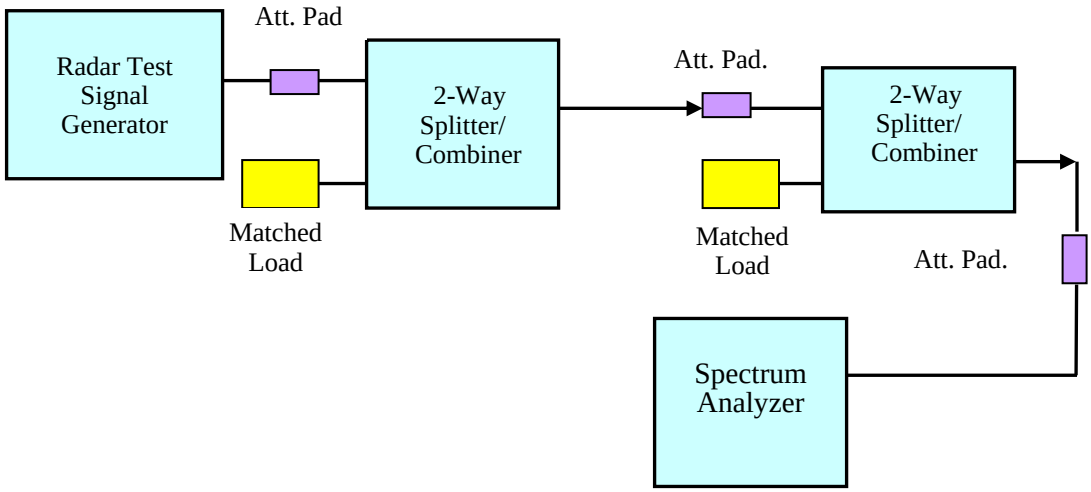
Antenna Type	Supplier	Antenna Part No.	Frequency (MHz)	Peak Antenna Gain (dBi)
Patch	Cisco	IW-ANT-PNL-59-N=	5.1GHz to 5.8GHz	9.03
Omnidirectional	Cisco	IW-ANT-OMM-53-N=	5.1GHz to 5.8GHz	3

5.3 Test Equipment List and Details

BACL No.	Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
1128	Agilent	EXA Signal Analyzer	N9010A	MY48030852	2023-04-25	1 year
conducted	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
624	Agilent	Analyzer, Spectrum	E4446A	MY48250238	2022-08-01	1 year
424	Agilent	Analyzer, Spectrum	E4440A	US45303156	2022-12-19	1 year
912	Rhode & Schwarz	Signal Analyzer	FSV40	1321.3008k39-101203-UW	2023-06-02	1 year
688	Keysight Technologies	Vector Signal Generator	N5182B	MY51350070	2022-07-28[2]	14 months[2]
-	Mini-Circuits	Power Splitter	ZN4PD1-63-S+	S F263501223	N/A	N/A
-	Mini-Circuits	Power Splitter	ZN2PD-9G-S+	S F038700723	N/A	N/A
-	Mini-Circuits	Power Splitter	ZFSC-2-10G	0 0349	N/A	N/A
-	-	Attenuator	-	-	Each Time[1]	Each Time[1]
-	-	RF Cable	-	-	Each Time[1]	Each Time[1]

Note[1]: cable and attenuator included in the test set-up will be checked each time before testing.
Note[2]: this equipment was only used before 2023-09-28
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



Conducted Calibration Setup Block Diagram

5.5 Test Environmental Conditions

Temperature:	20-22° C
Relative Humidity:	36-43 %
ATM Pressure:	101.0-101.9 kPa

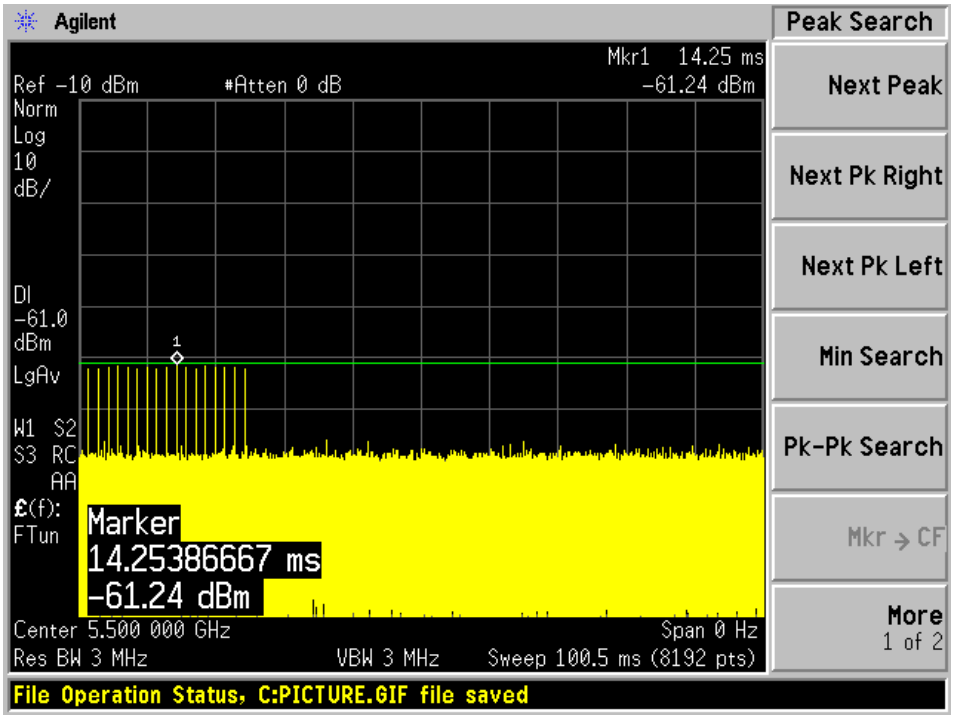
Testing was performed by Tao Jin on 2023-09-11 to 2023-09-15 at the DFS testing site.

Plots of Radar Waveform

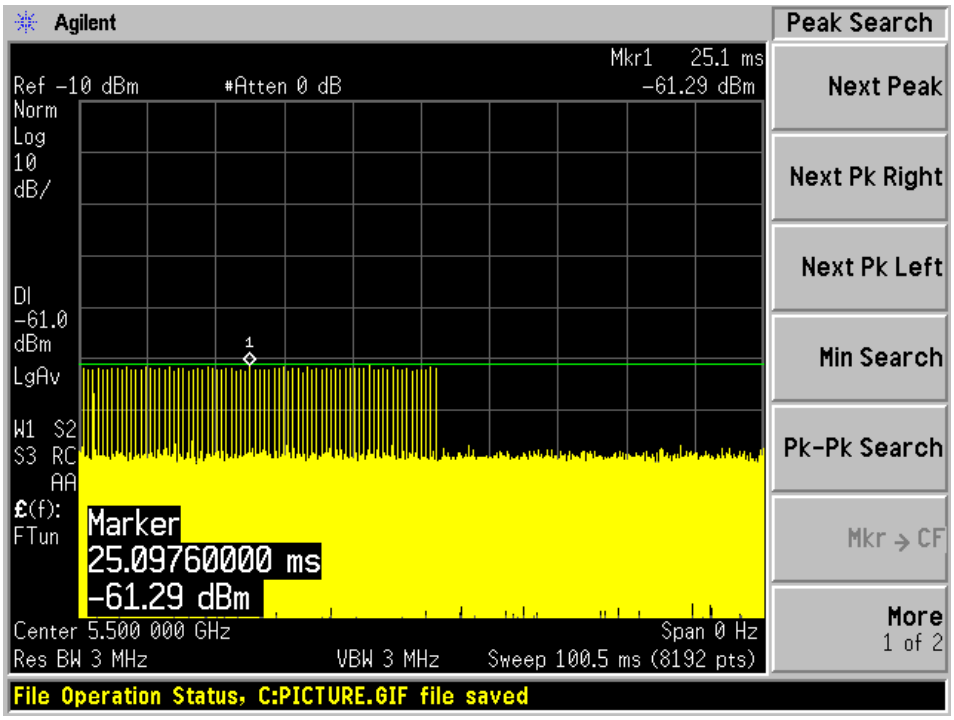
AP Mode for Pine and Cobalt (-61 dBm)

5500 MHz, 20MHz Channel Bandwidth

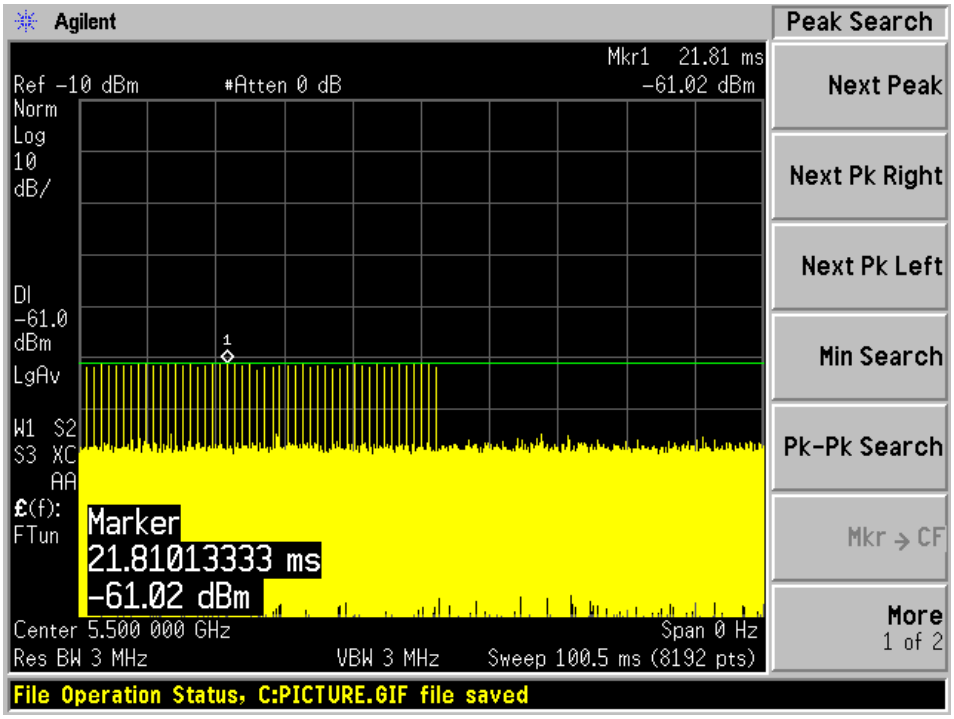
Radar Type 0



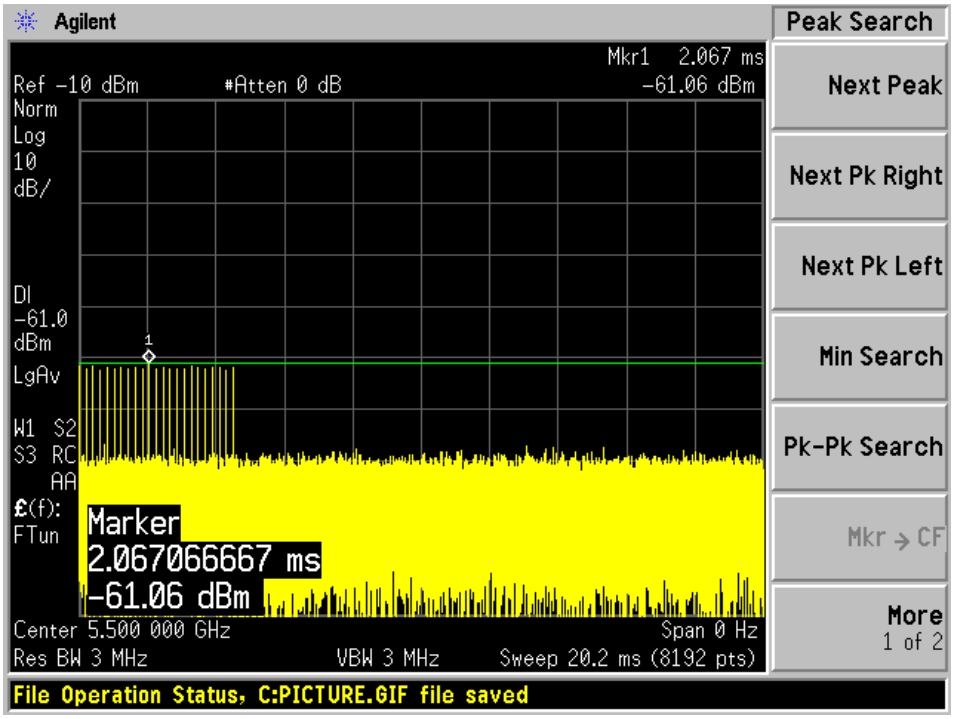
Radar Type 1A



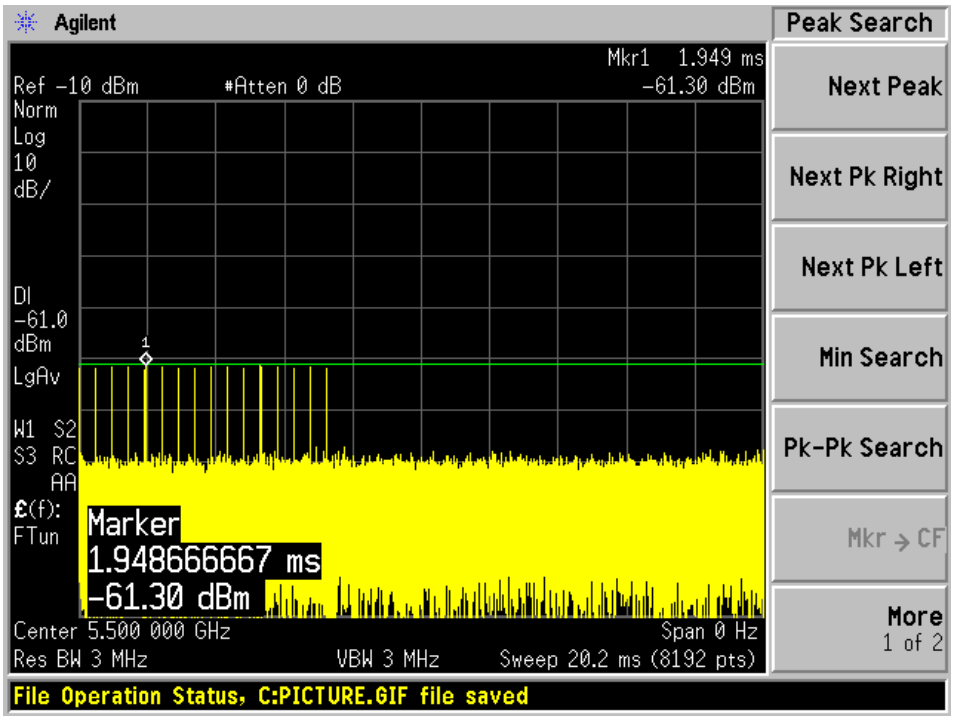
Radar Type 1B



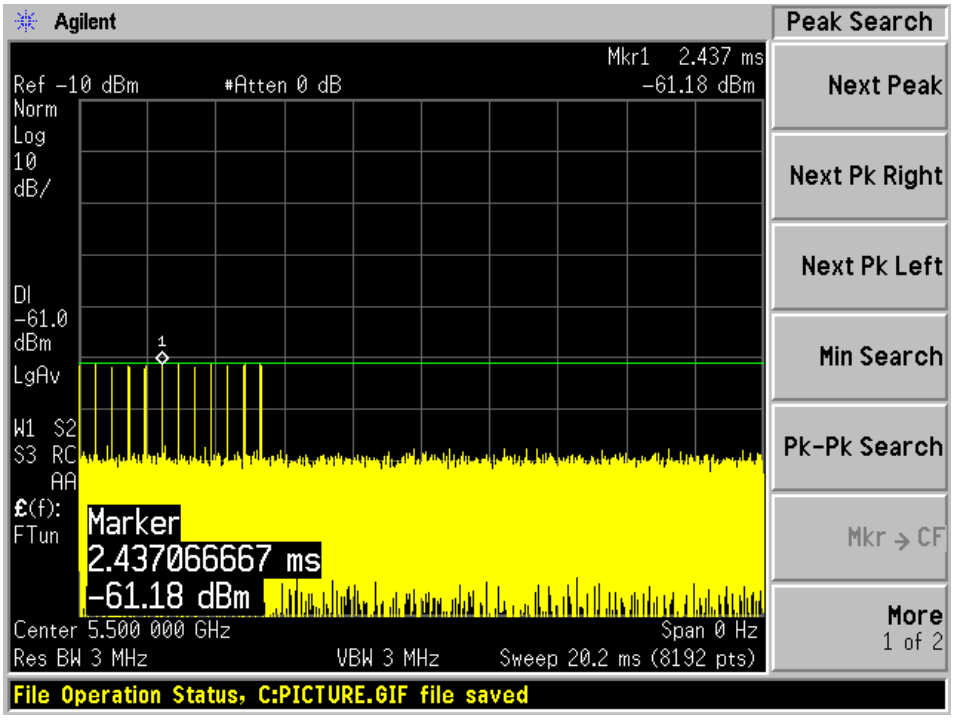
Radar Type 2



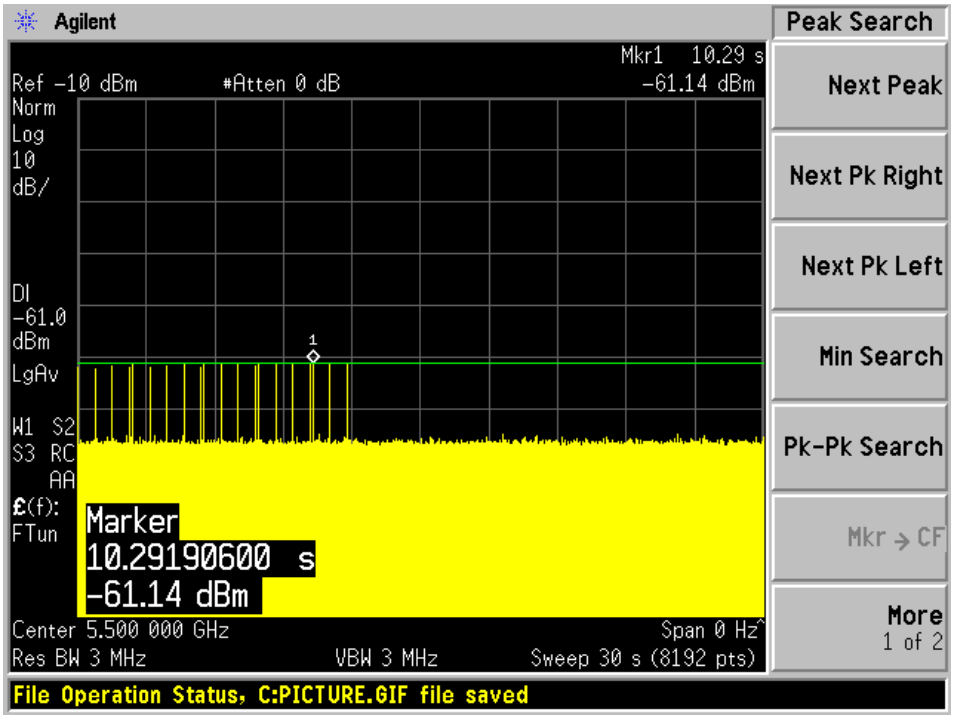
Radar Type 3



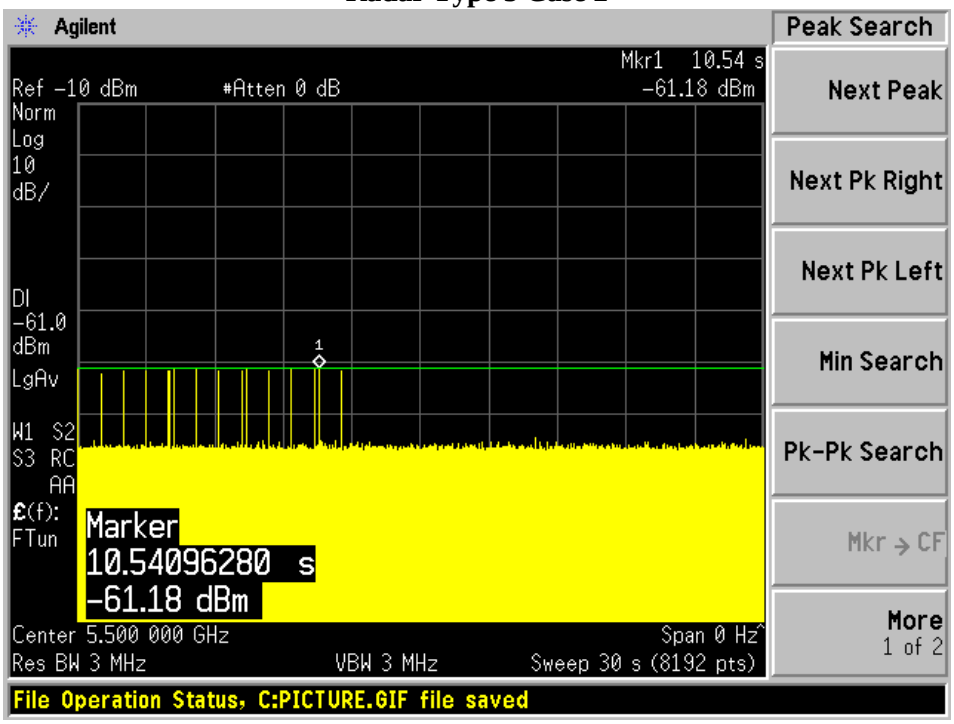
Radar Type 4



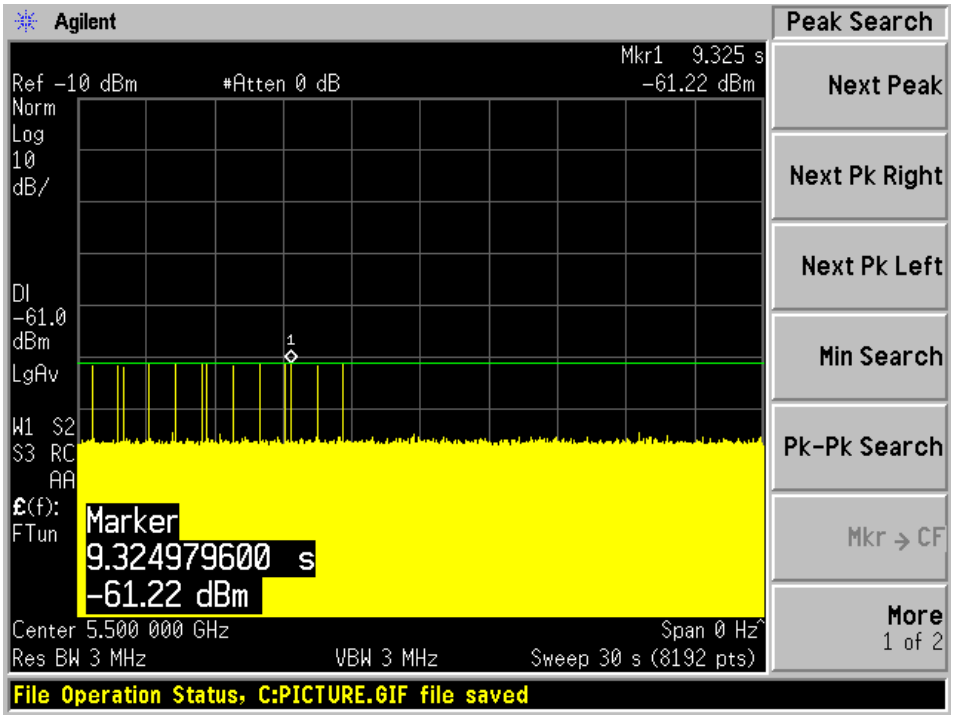
Radar Type 5 Case 1

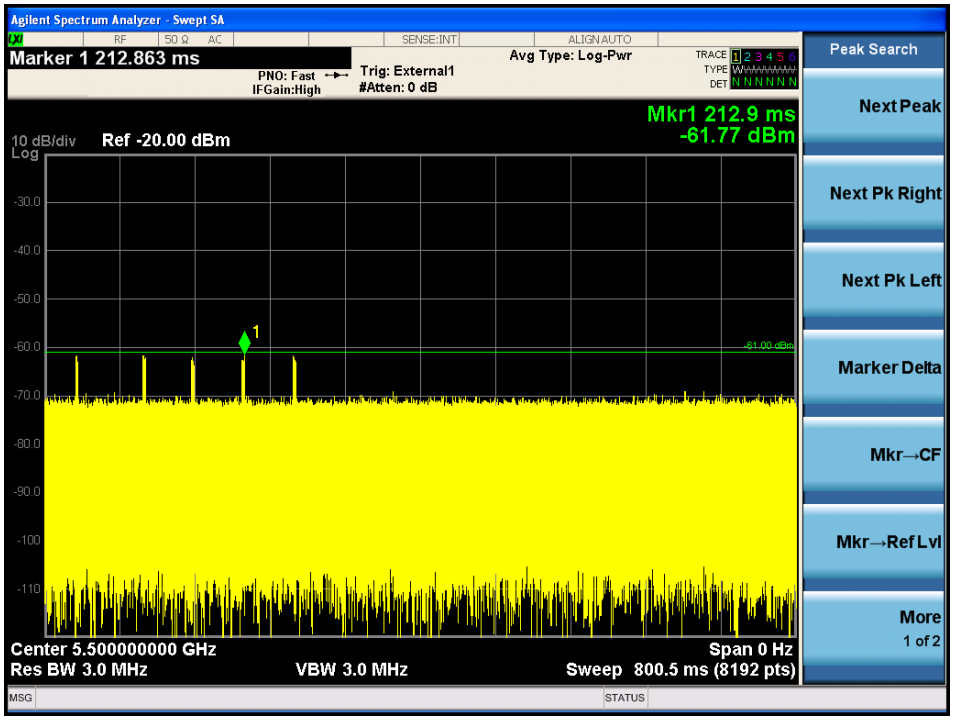


Radar Type 5 Case 2



Radar Type 5 Case 3

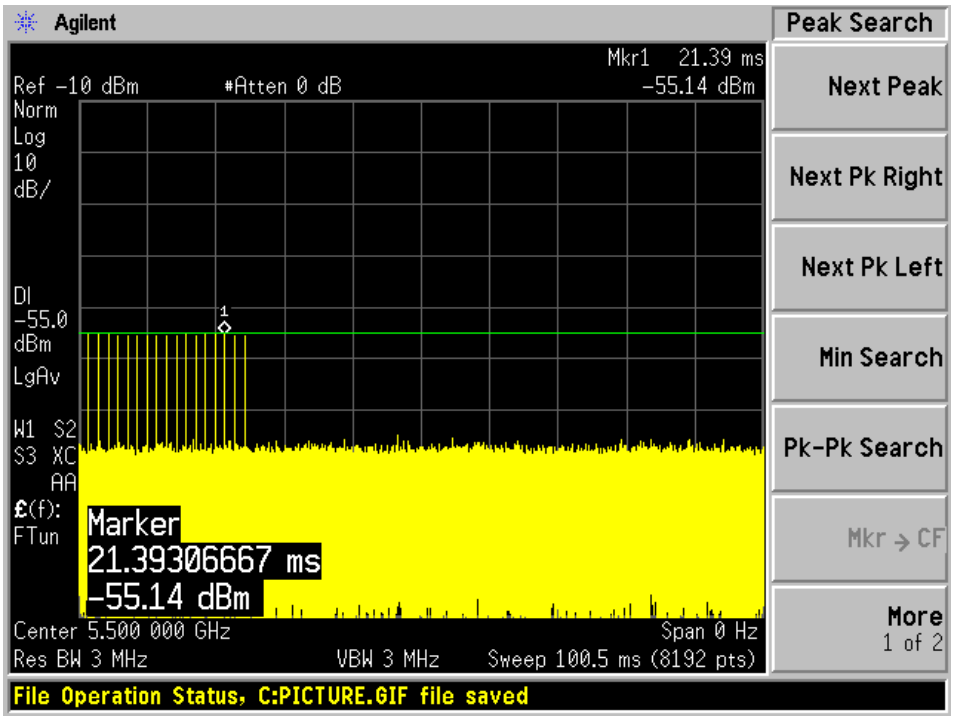




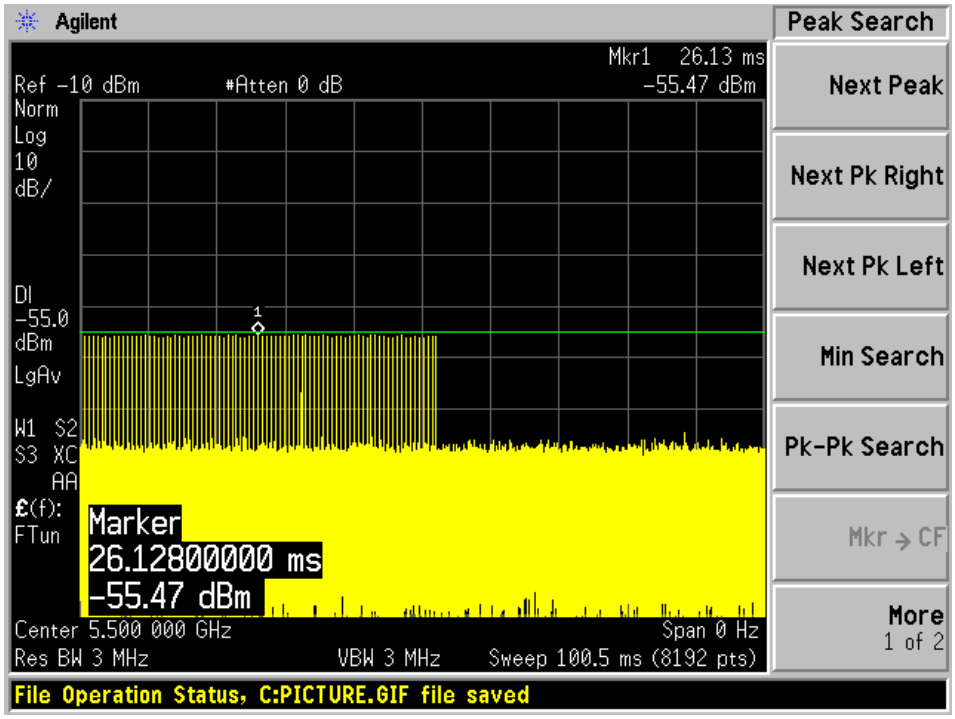
P2P Mode for Pine and Cobalt (-54.97 dBm)

5500 MHz, 20MHz Channel Bandwidth

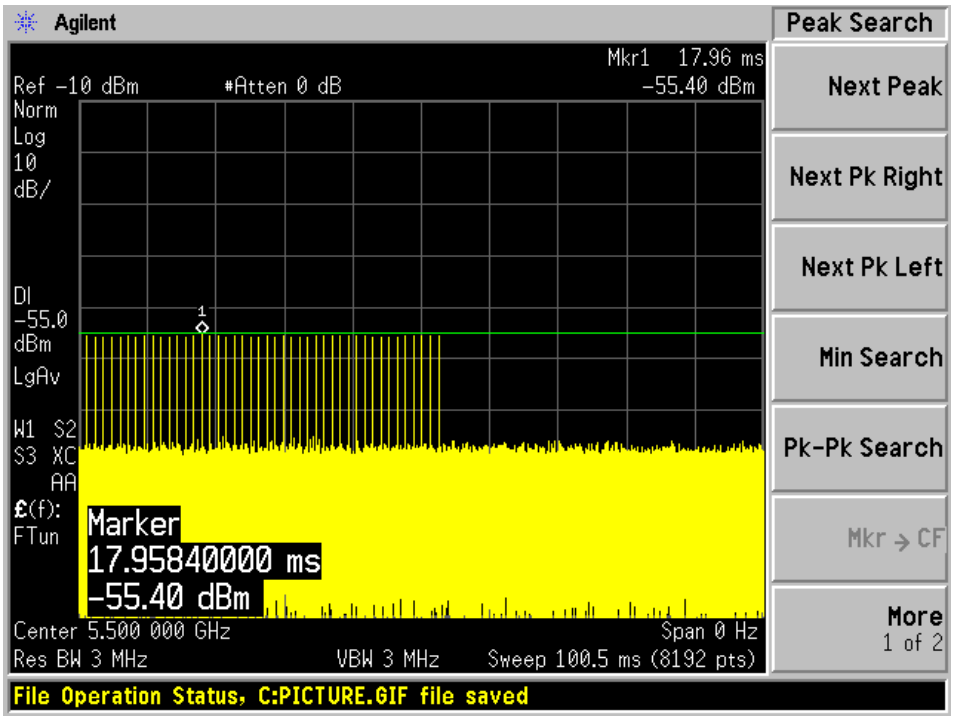
Radar Type 0



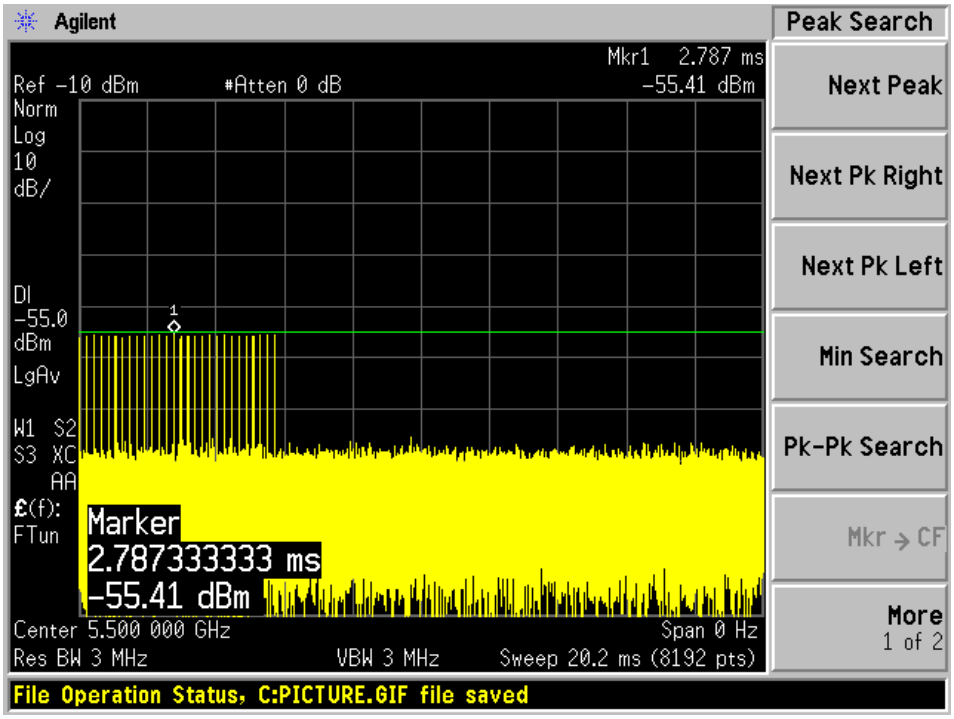
Radar Type 1A



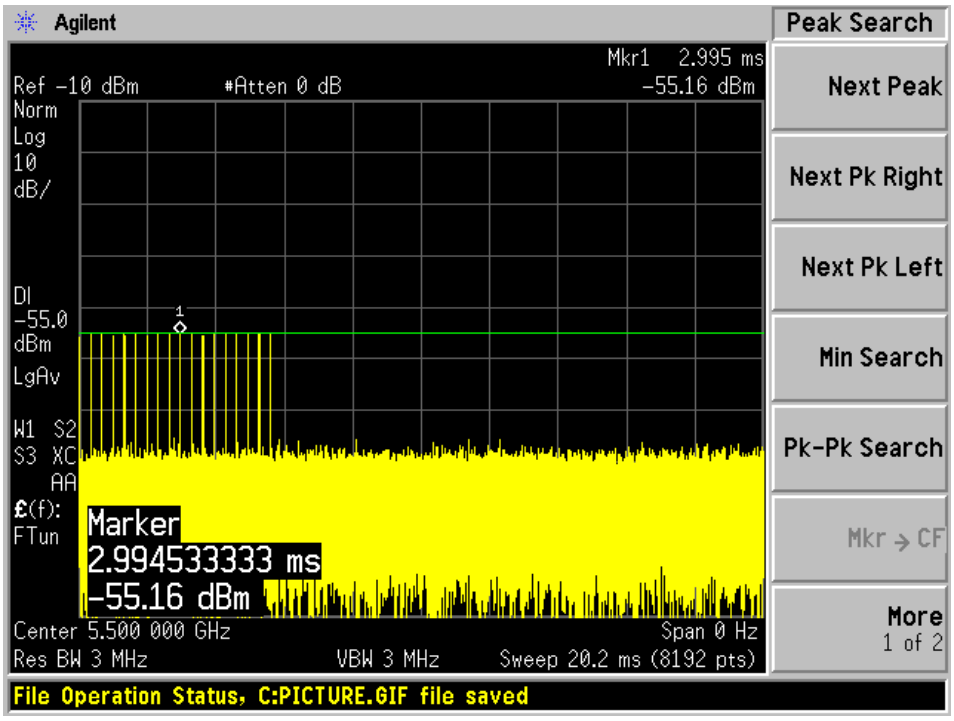
Radar Type 1B



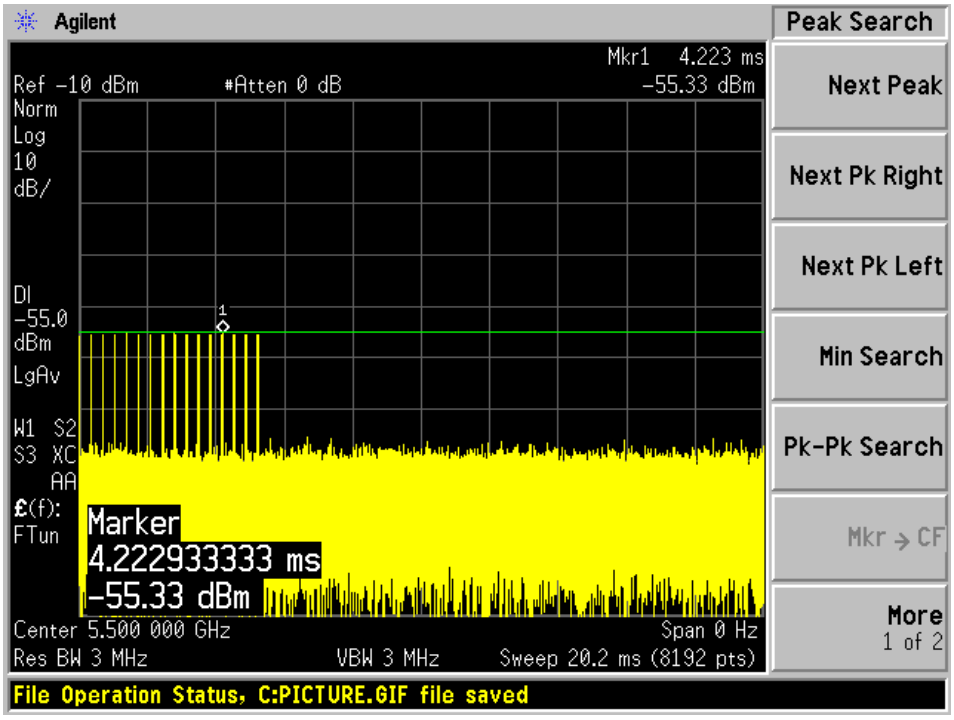
Radar Type 2



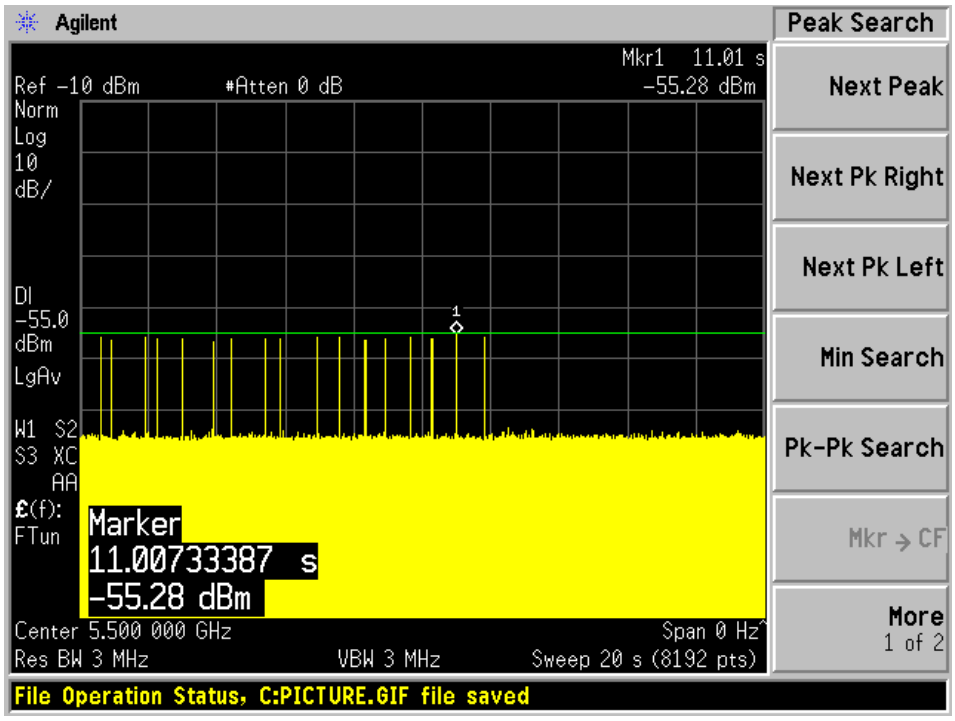
Radar Type 3



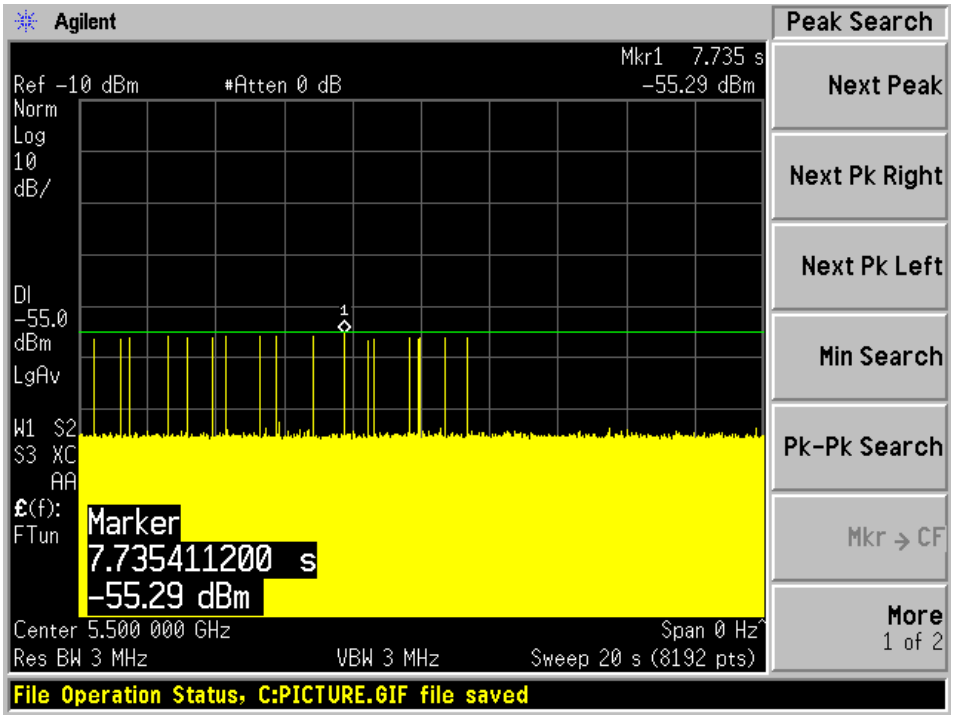
Radar Type 4



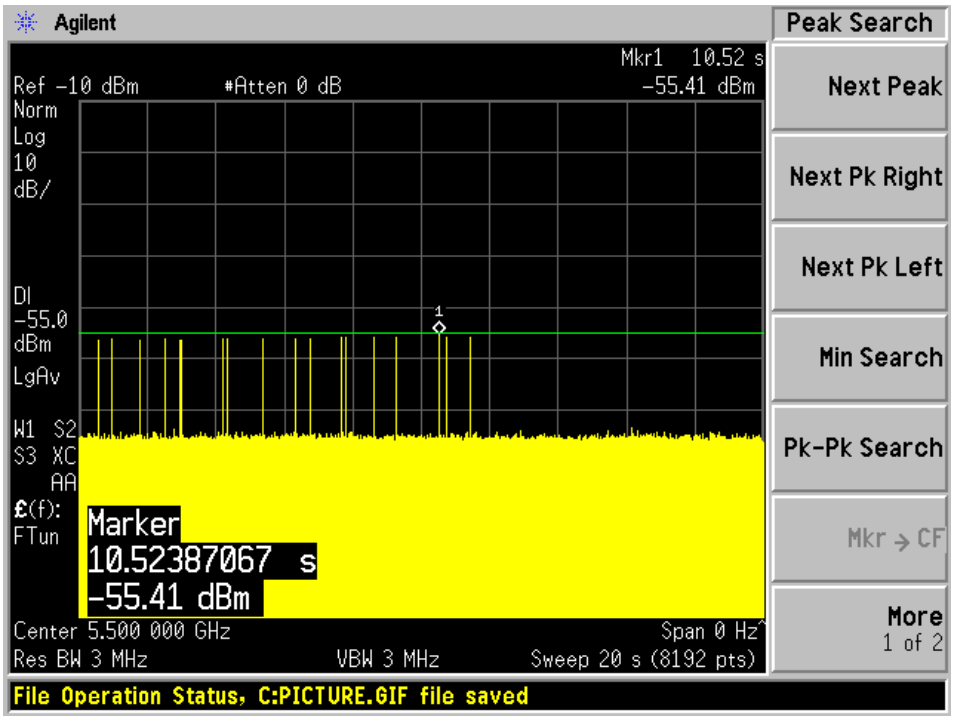
Radar Type 5 Case 1



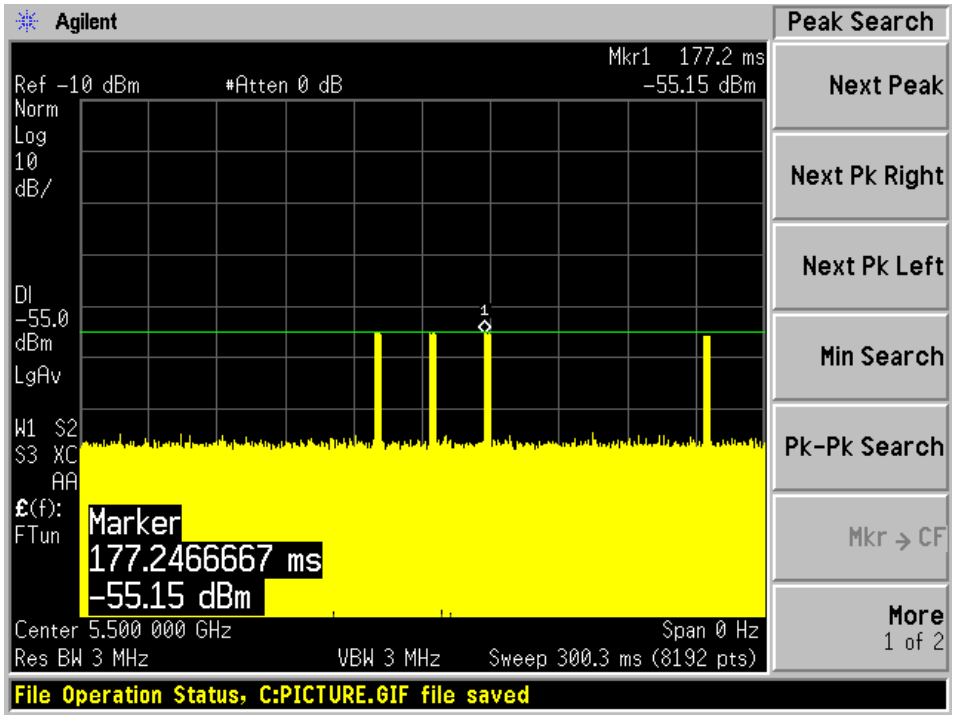
Radar Type 5 Case 2



Radar Type 5 Case 3



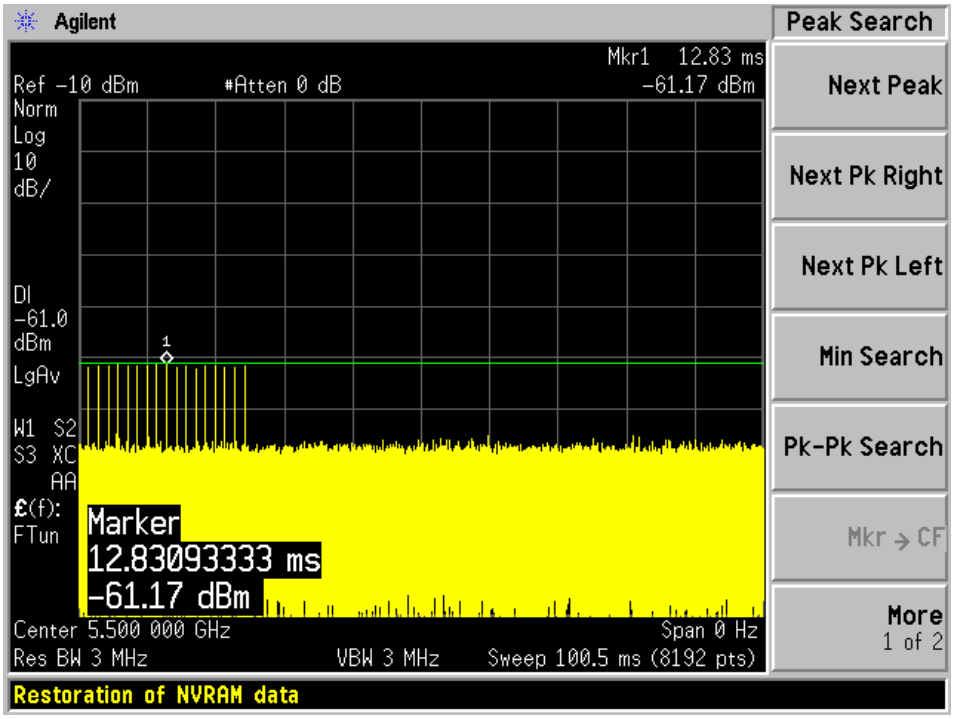
Radar Type 6



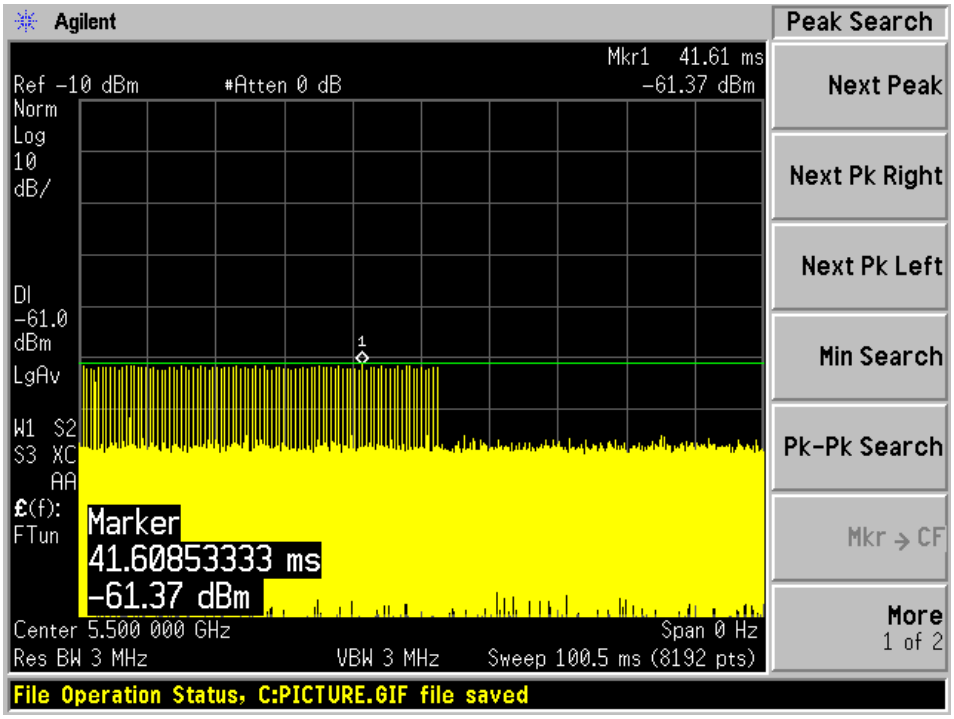
P2MP and Client Mode for Pine and Cobalt (-61 dBm)

5500 MHz, 20MHz Channel Bandwidth

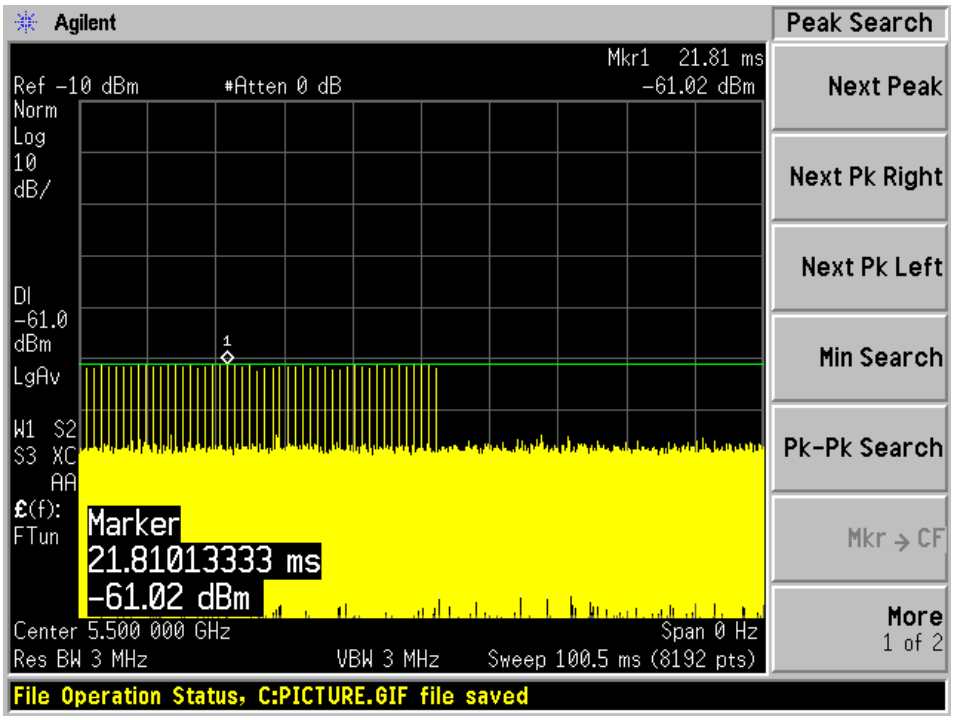
Radar Type 0



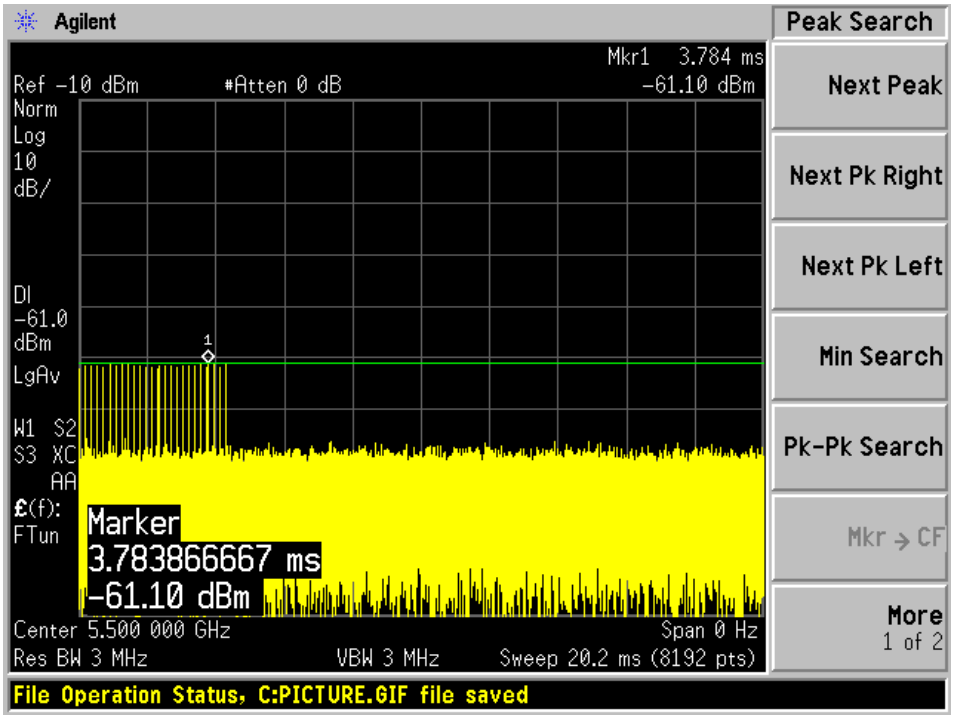
Radar Type 1A



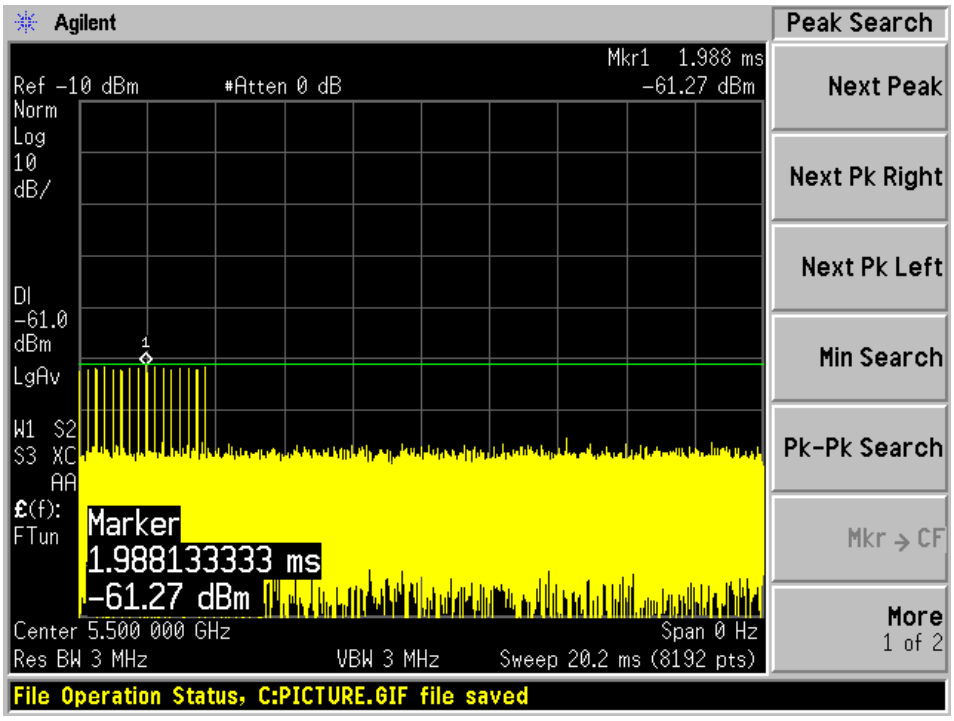
Radar Type 1B



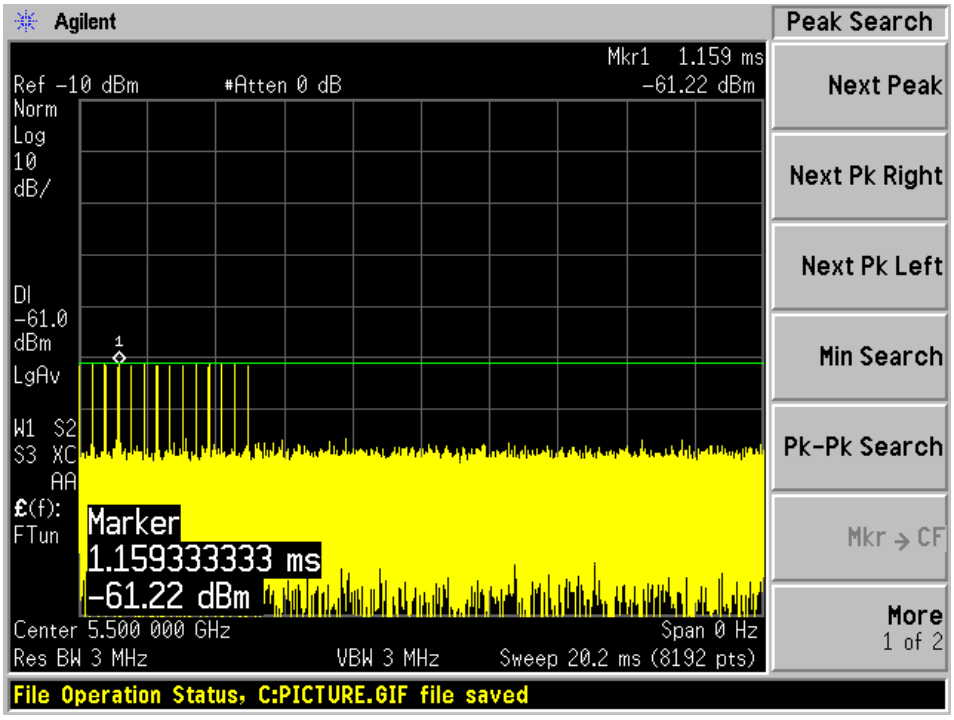
Radar Type 2



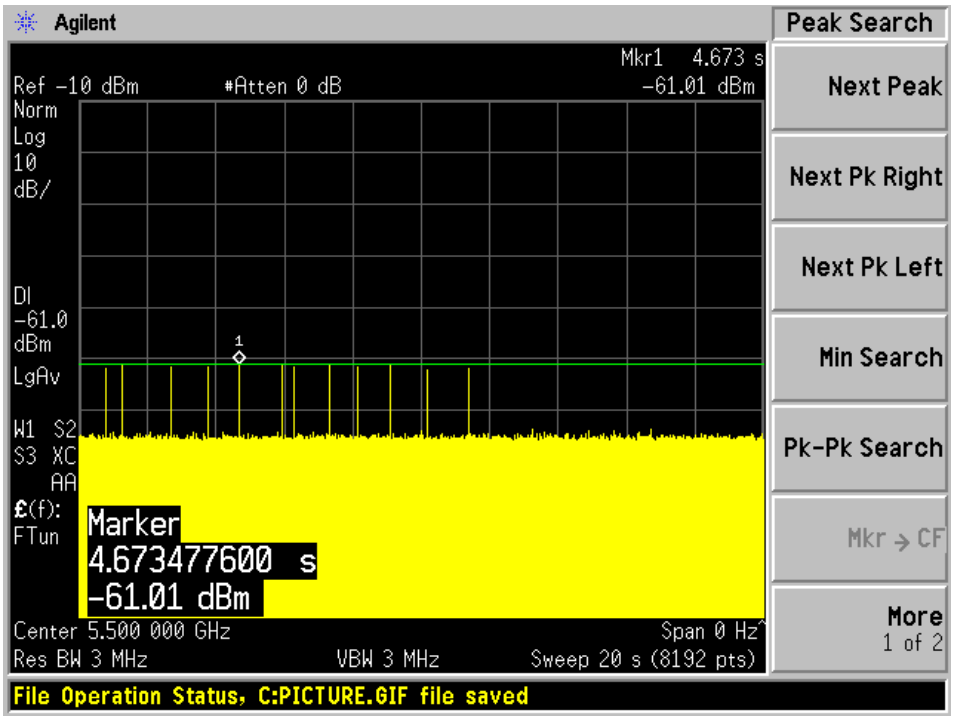
Radar Type 3



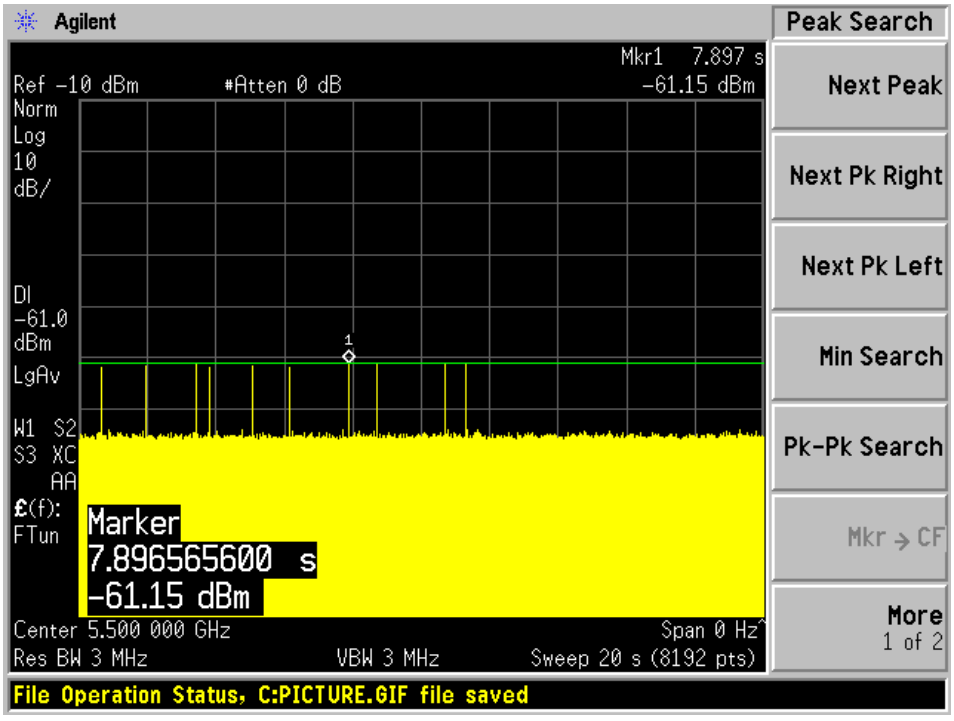
Radar Type 4



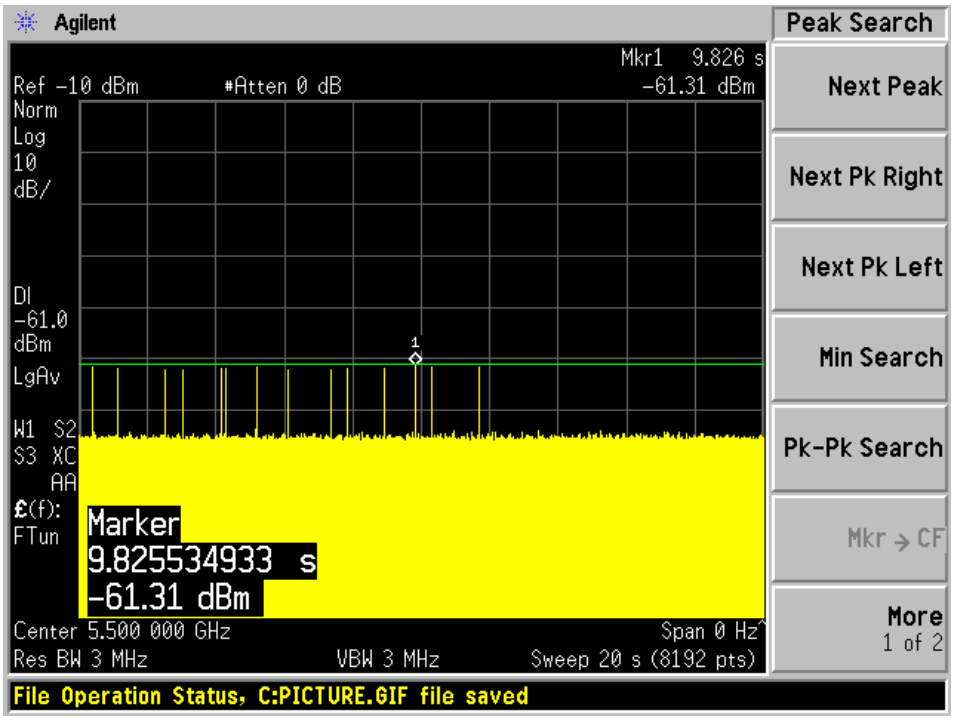
Radar Type 5 Case 1



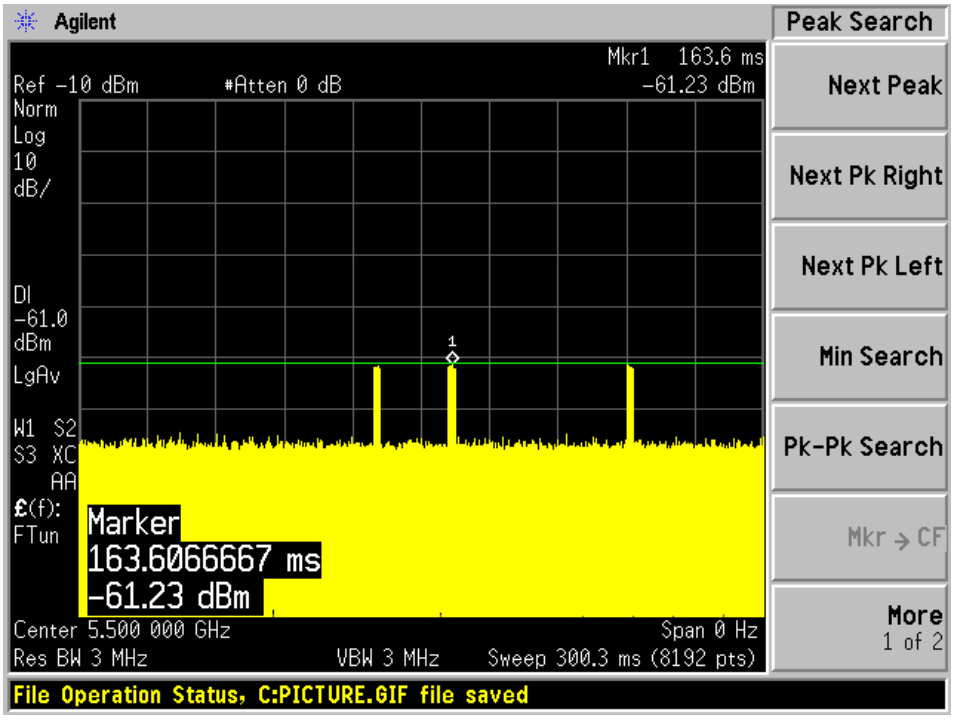
Radar Type 5 Case 2



Radar Type 5 Case 3



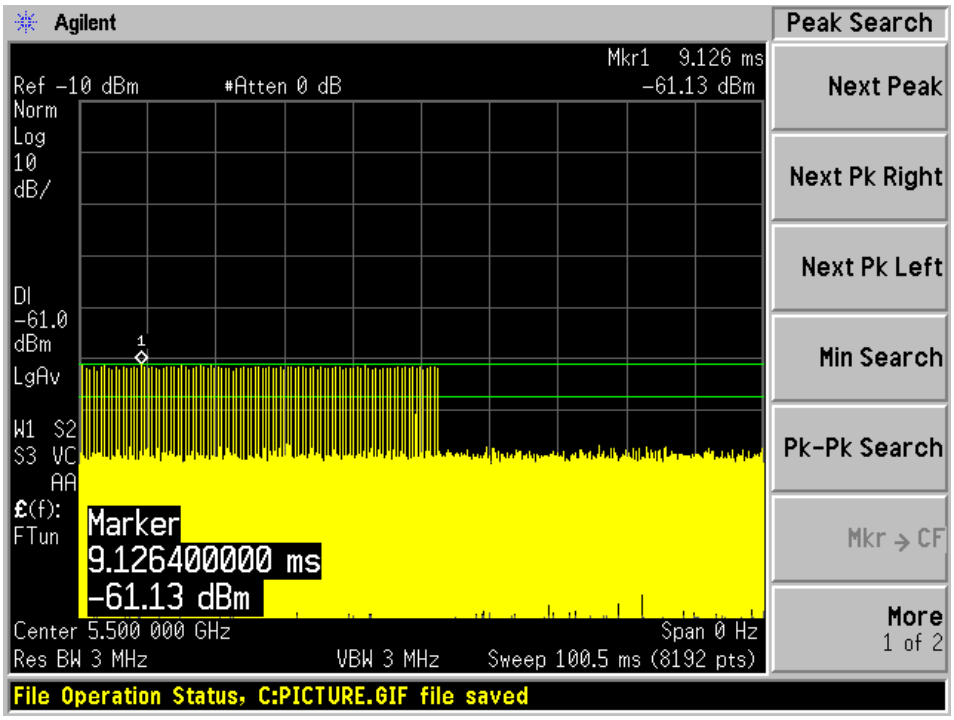
Radar Type 6



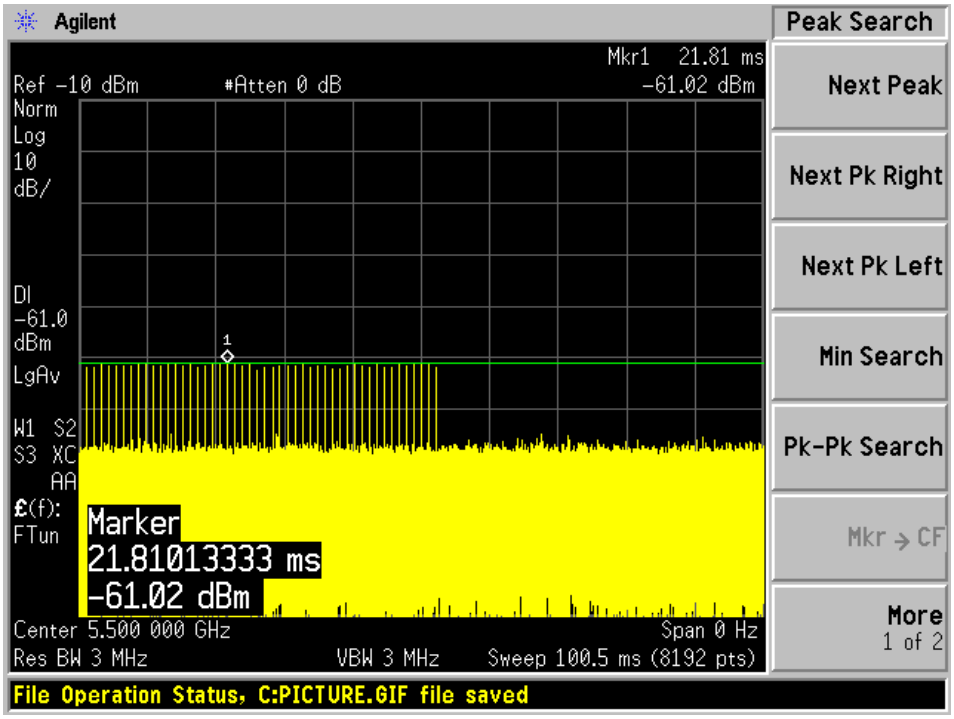
WGB Mode for Cobalt (-61 dBm)

5500 MHz, 20MHz Channel Bandwidth

Radar Type 1A



Radar Type 1B



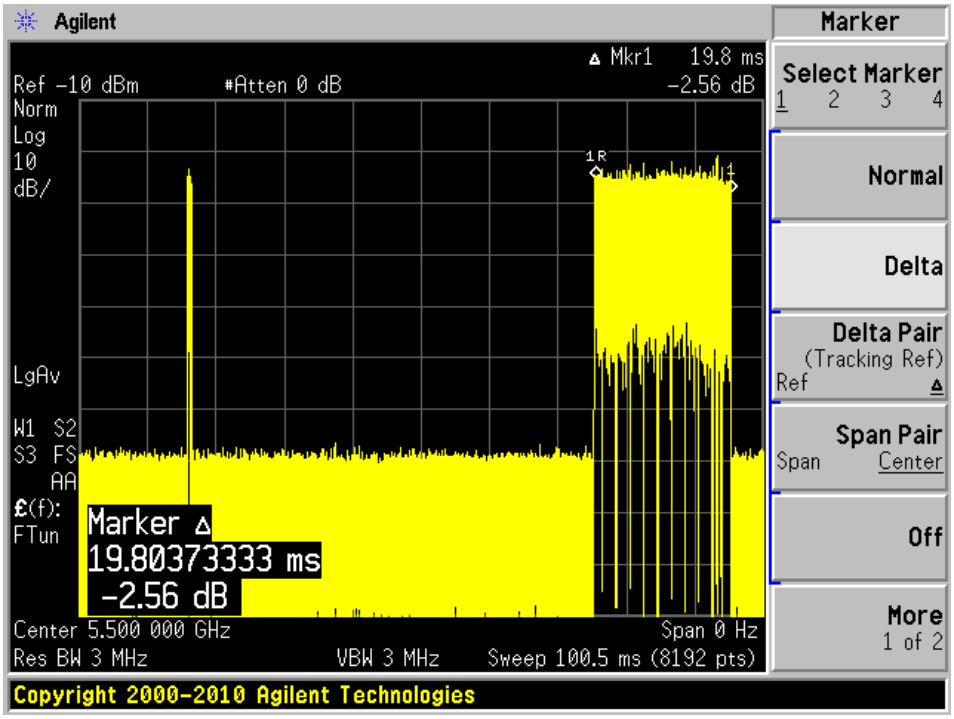
Note: Type 1A/1B is used for Statistical Performance Check for WGB mode.

5.6 Radar Traffic Duty Cycle Example

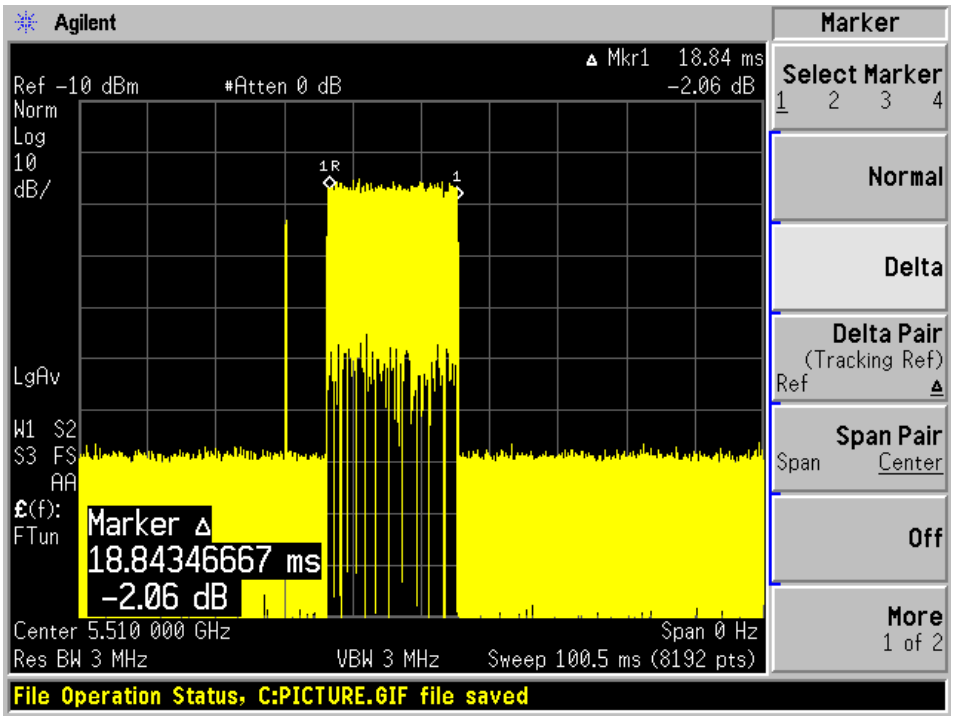
AP Mode

Cobalt Radio

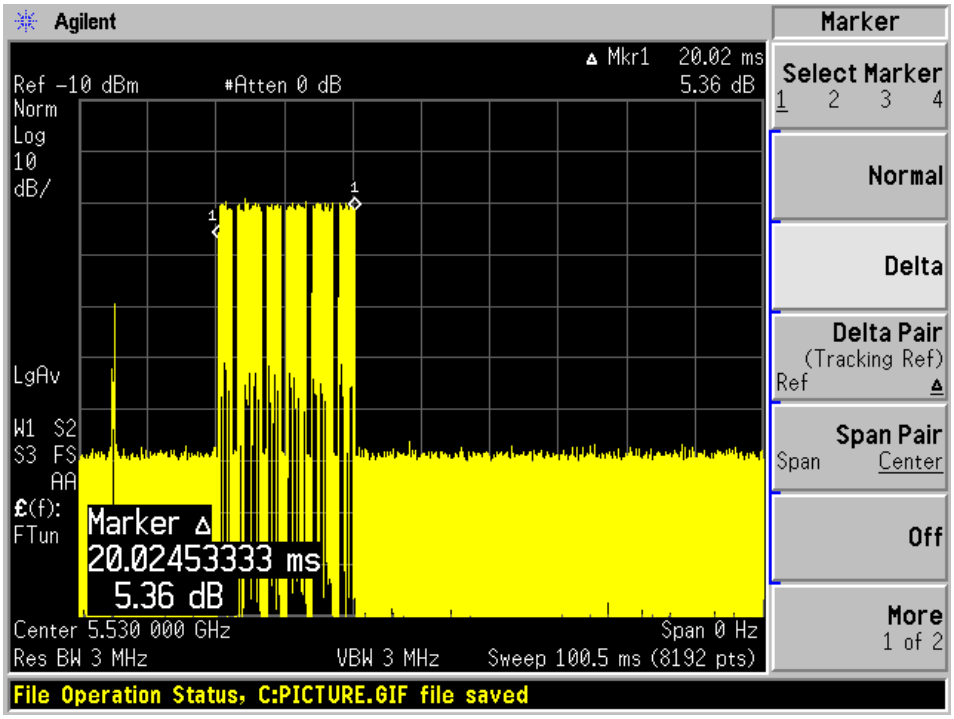
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



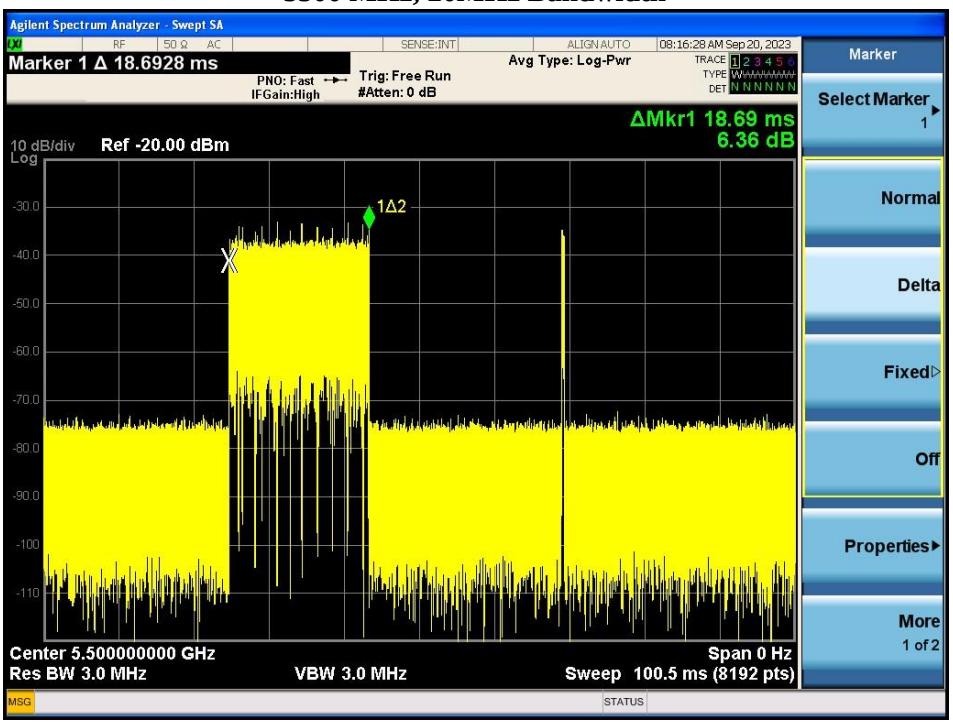
5530 MHz, 80MHz Bandwidth



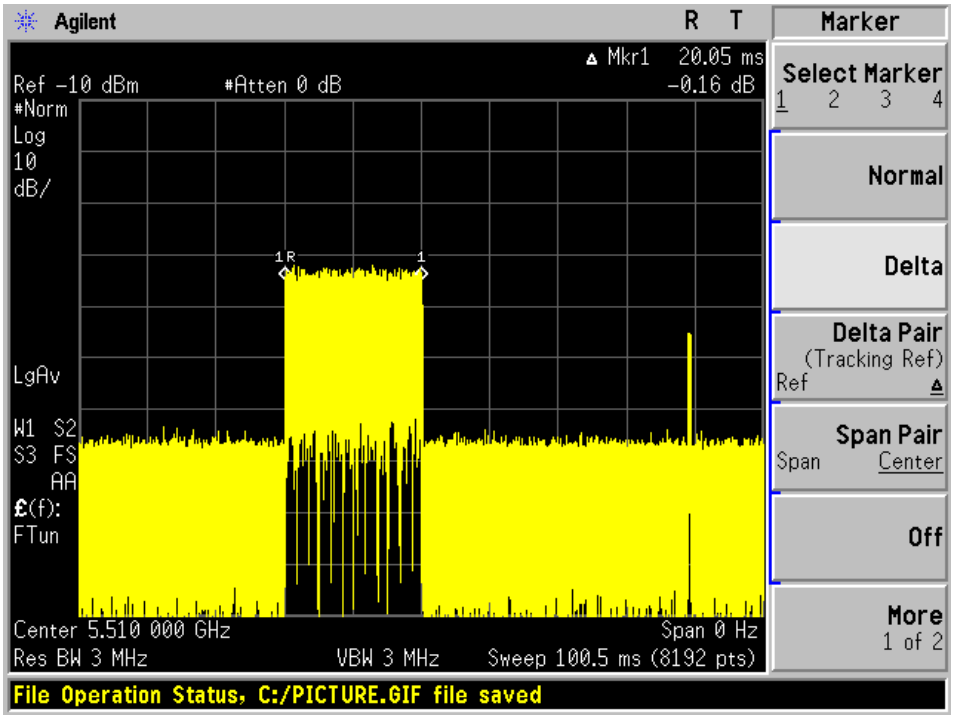
The Duty Cycle of the traffic is greater than 17%

Pine Radio

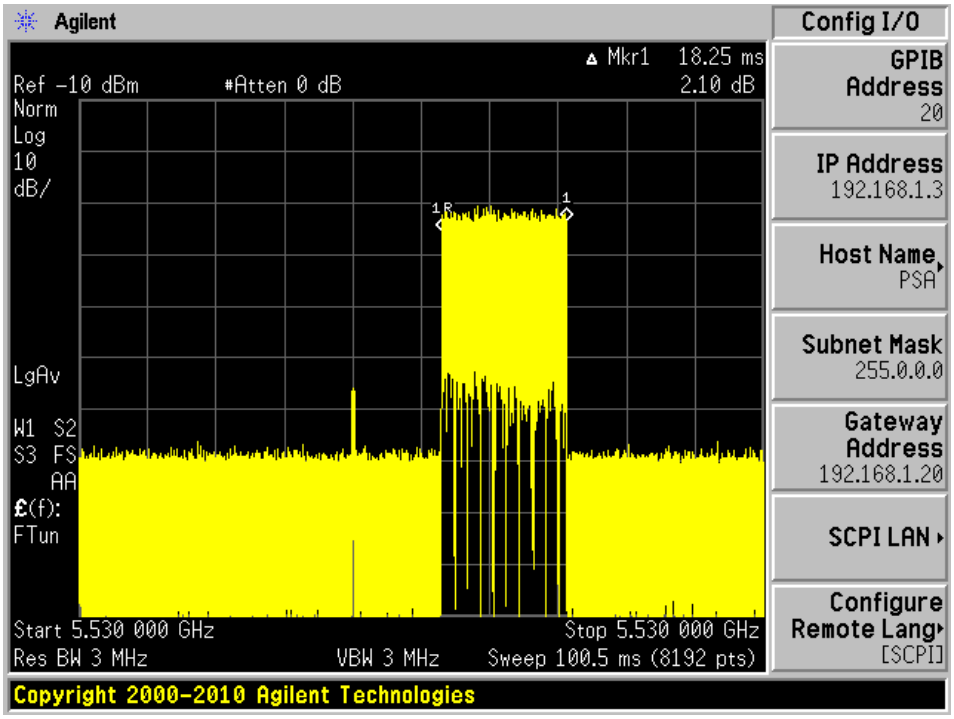
5500 MHz, 20MHz Bandwidth



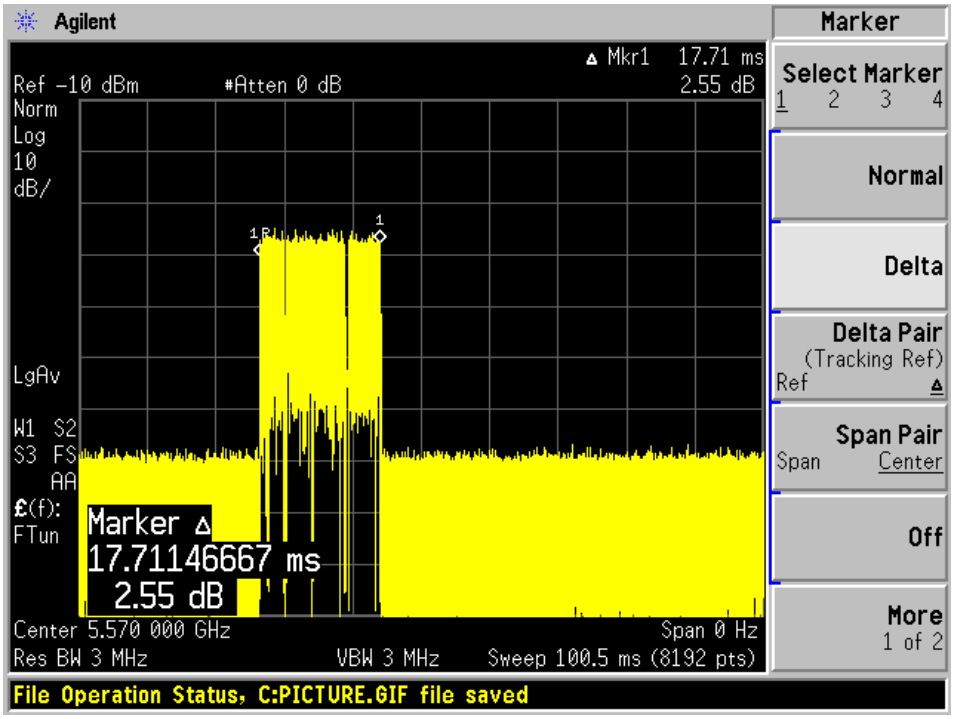
5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



5570 MHz, 160MHz Bandwidth

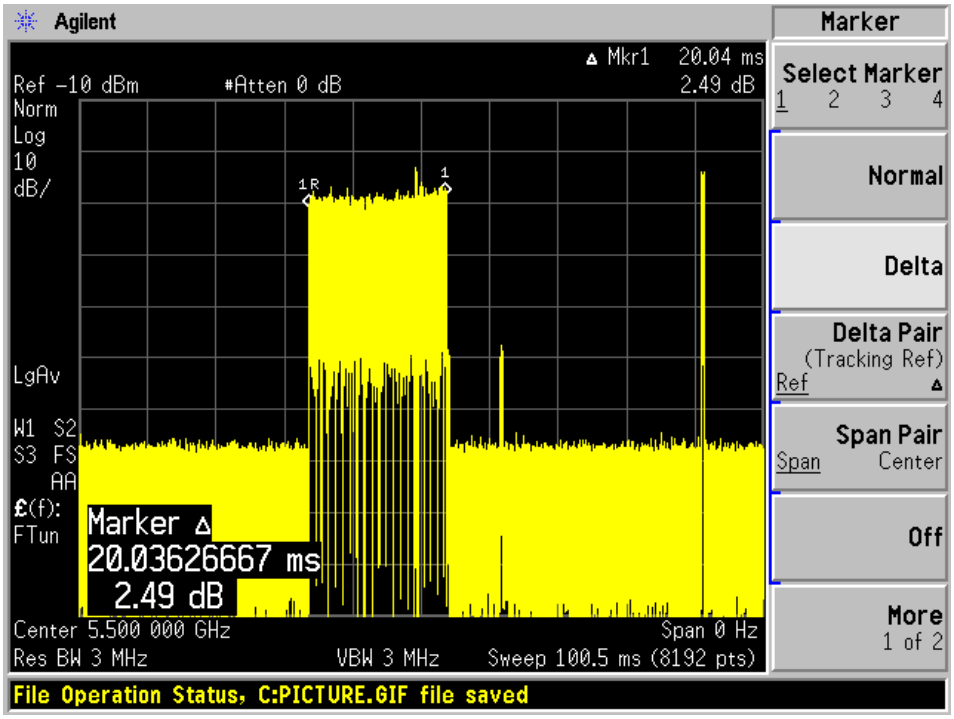


The Duty Cycle of the traffic is greater than 17%

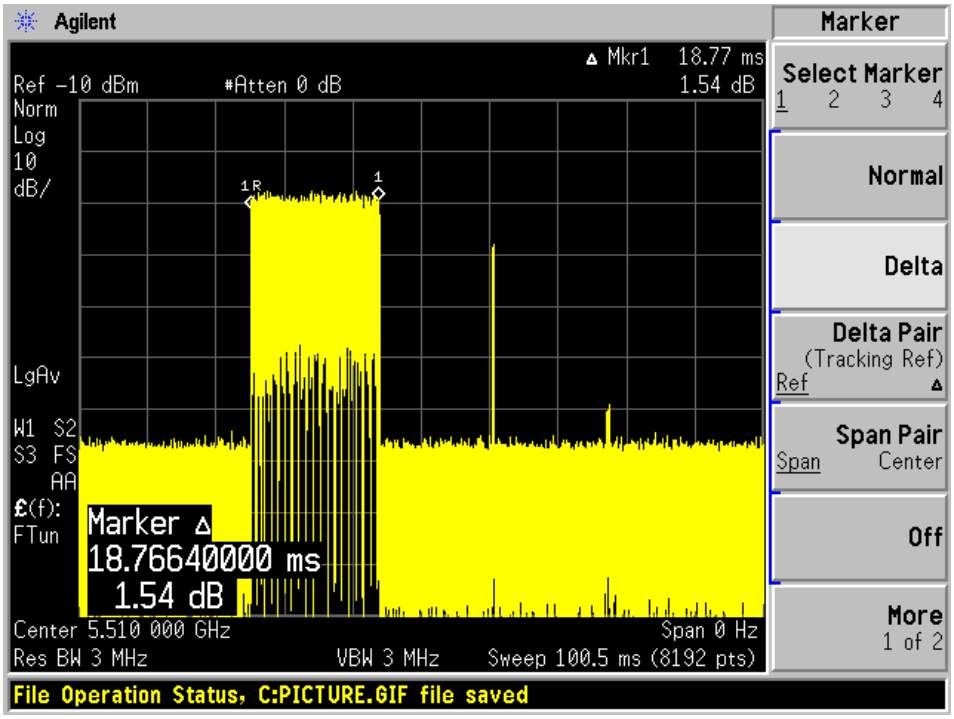
P2P Mode

Cobalt Radio

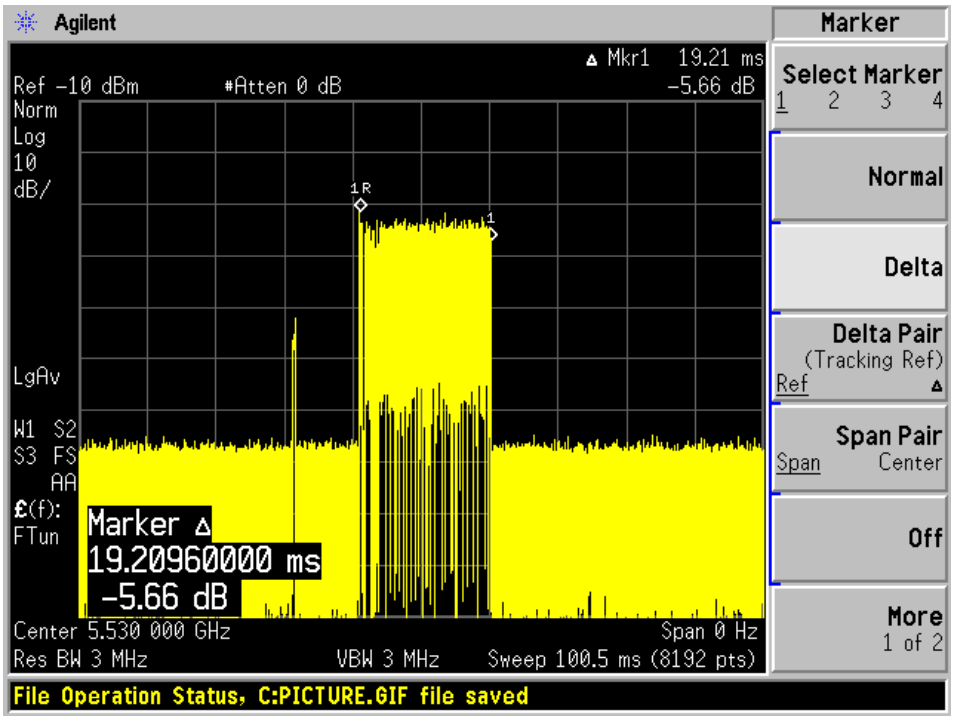
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



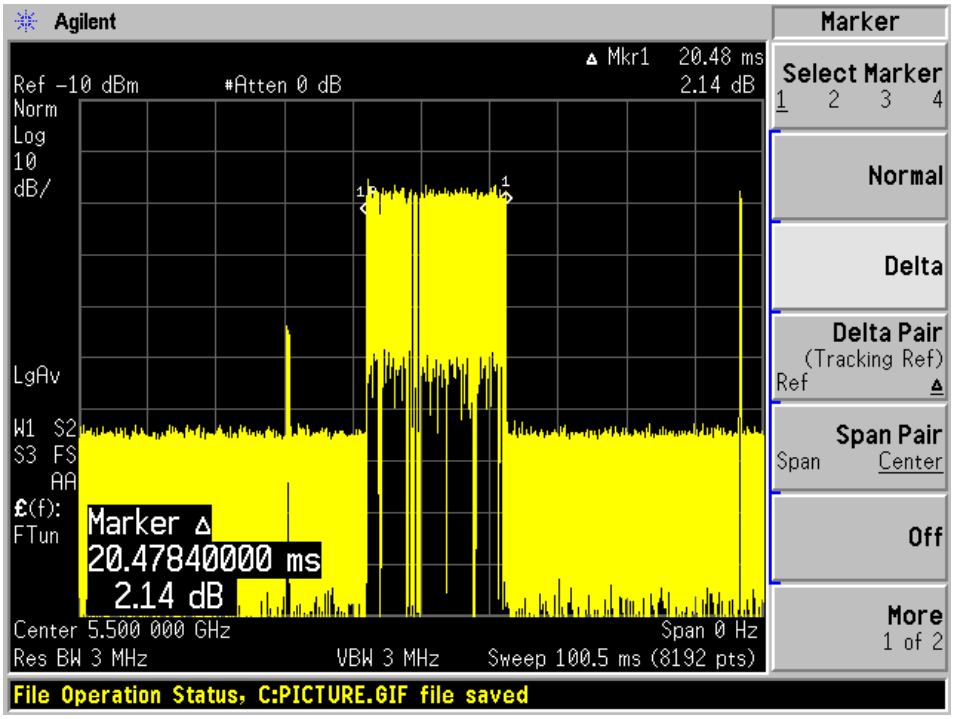
5530 MHz, 80MHz Bandwidth



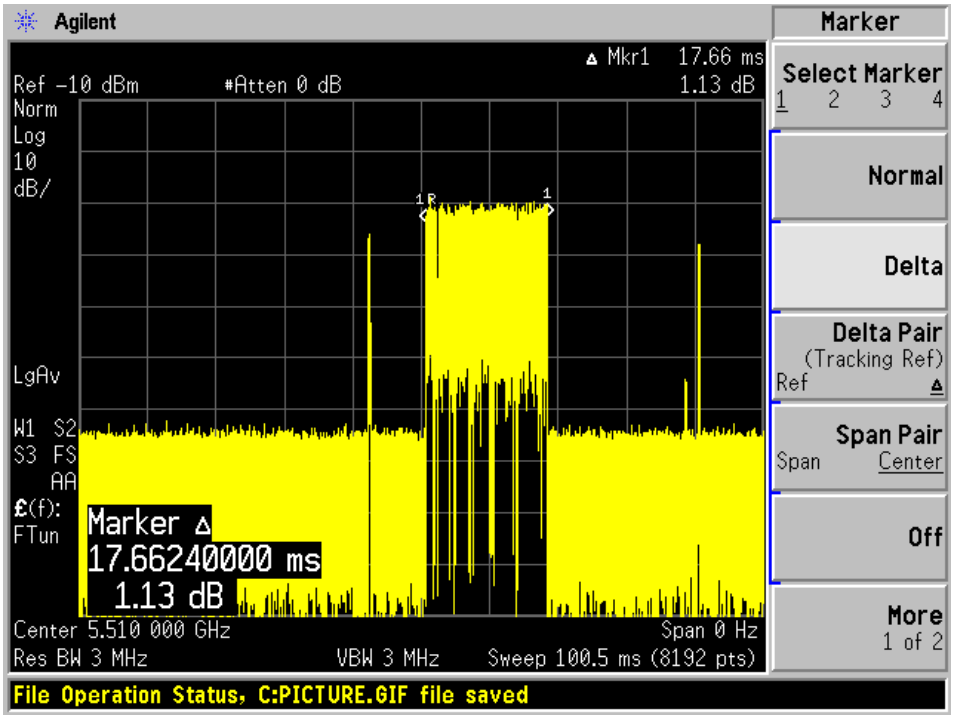
The Duty Cycle of the traffic is greater than 17%

Pine Radio

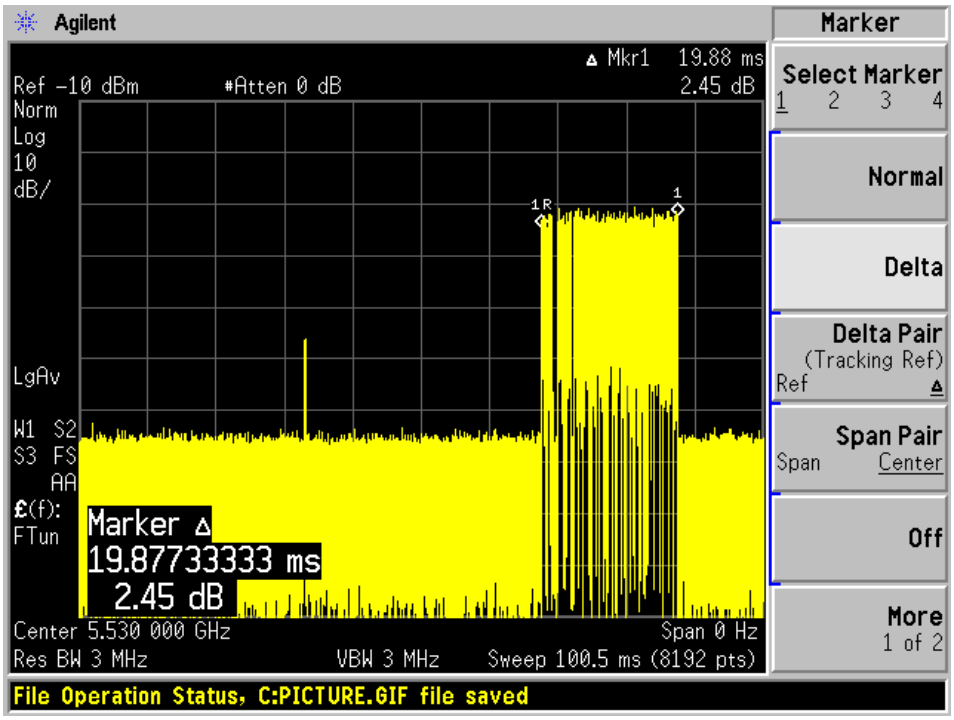
5500 MHz, 20MHz Bandwidth



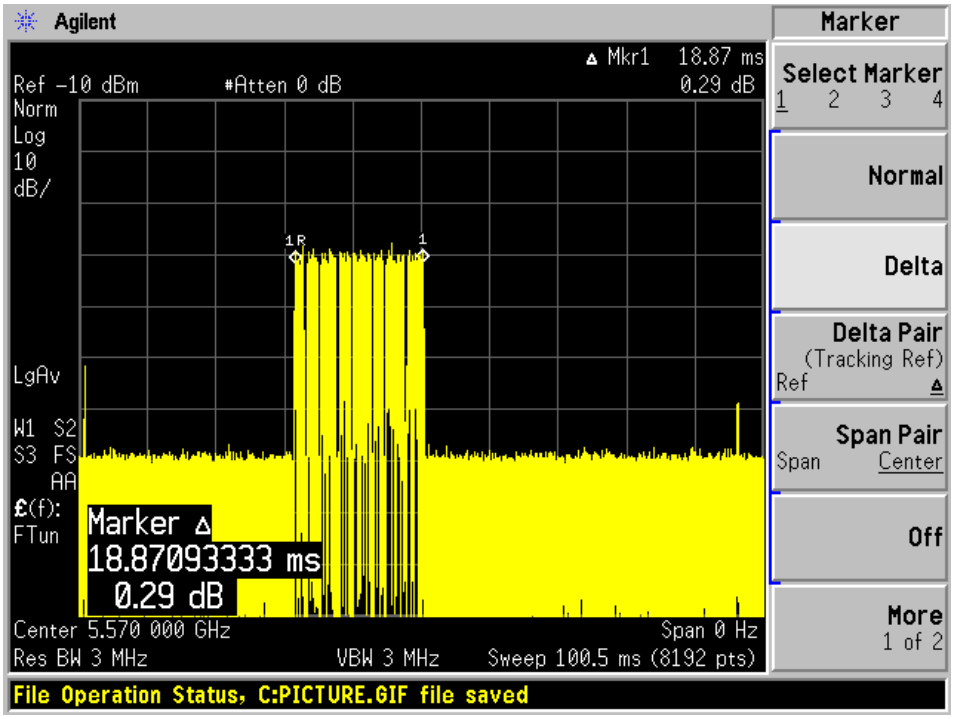
5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



5570 MHz, 160MHz Bandwidth

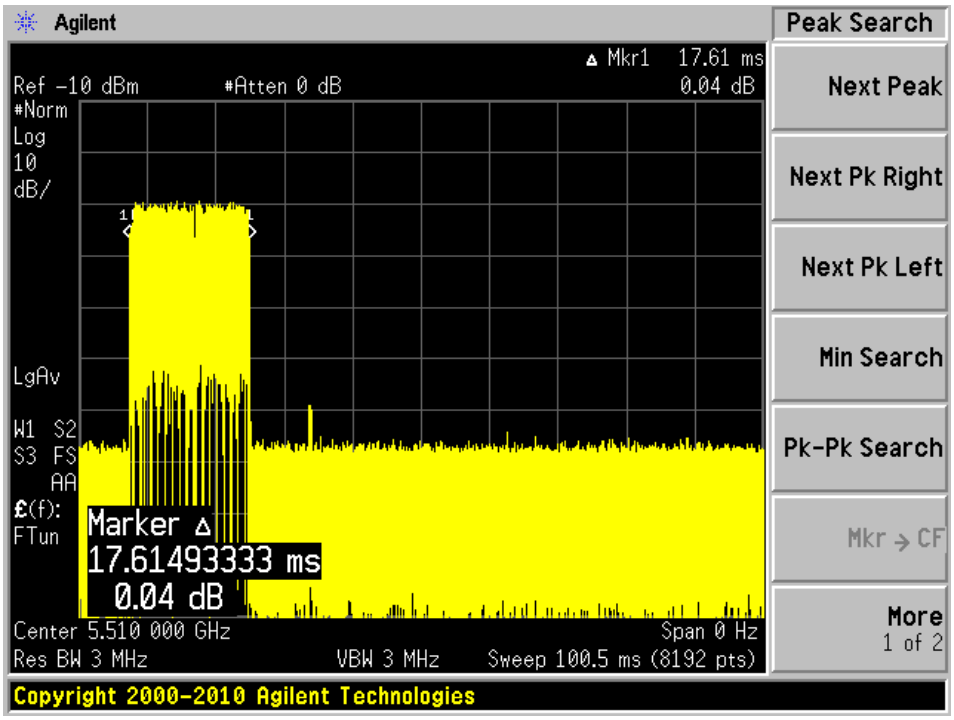


The Duty Cycle of the traffic is greater than 17%

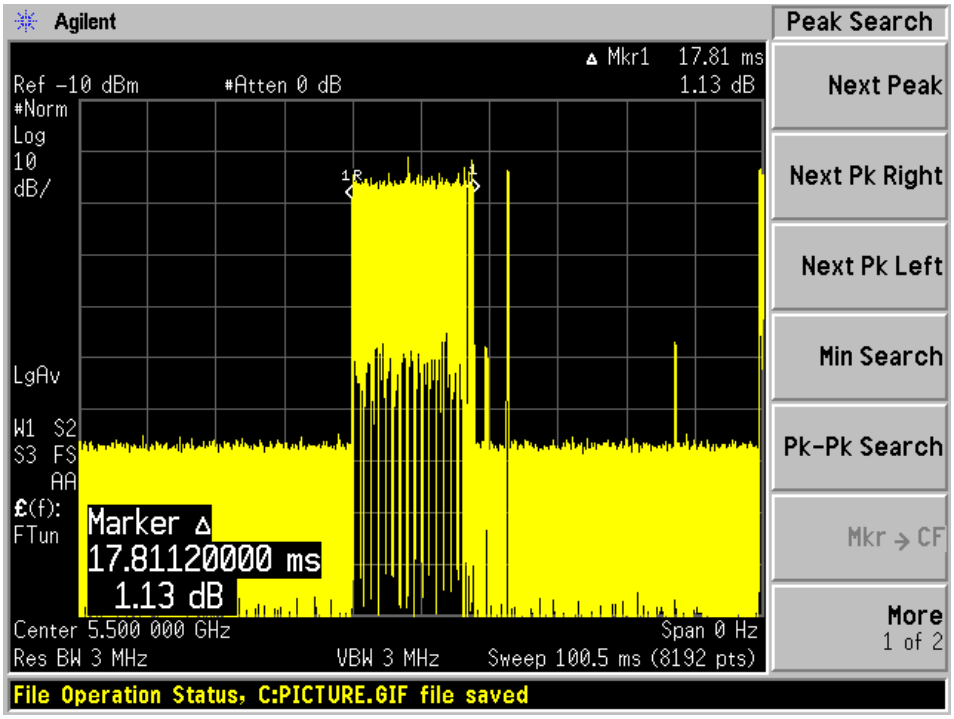
P2MP Mode

Cobalt Radio

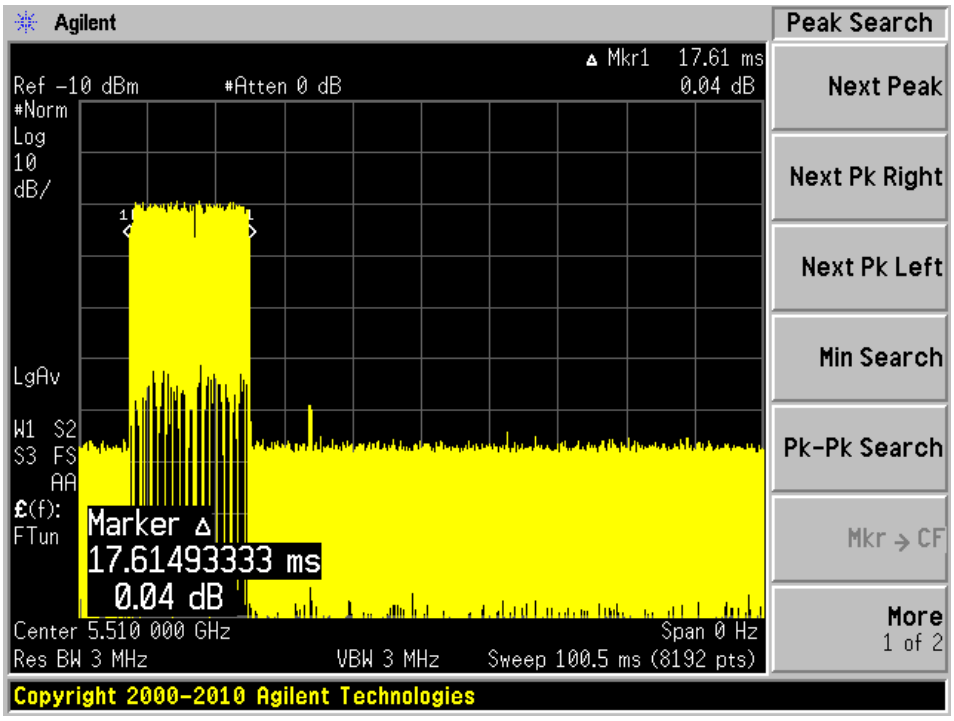
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



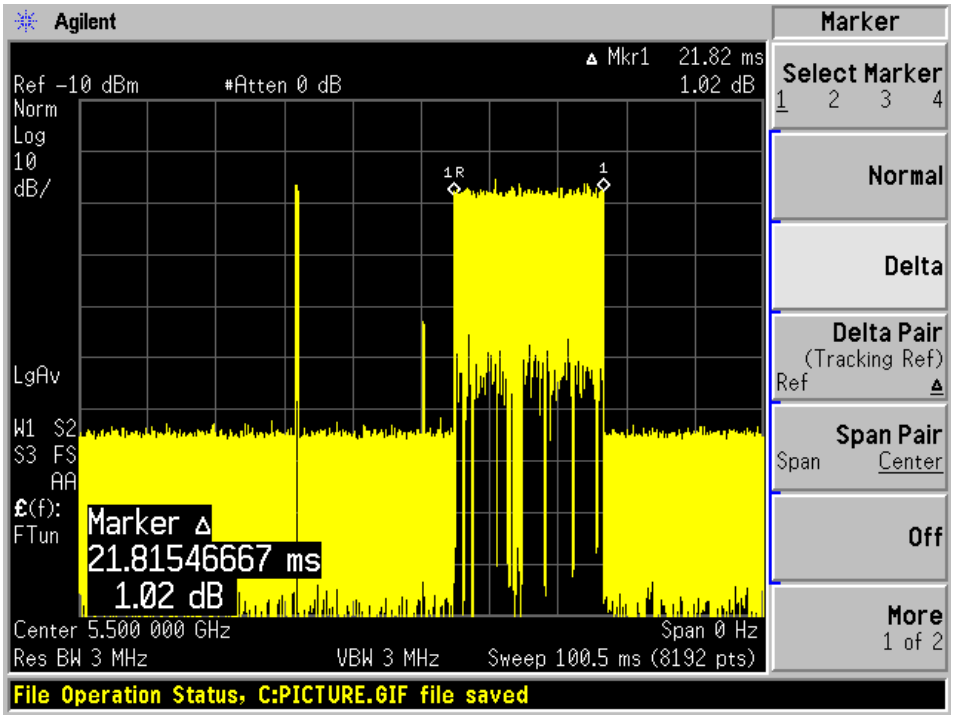
5530 MHz, 80MHz Bandwidth



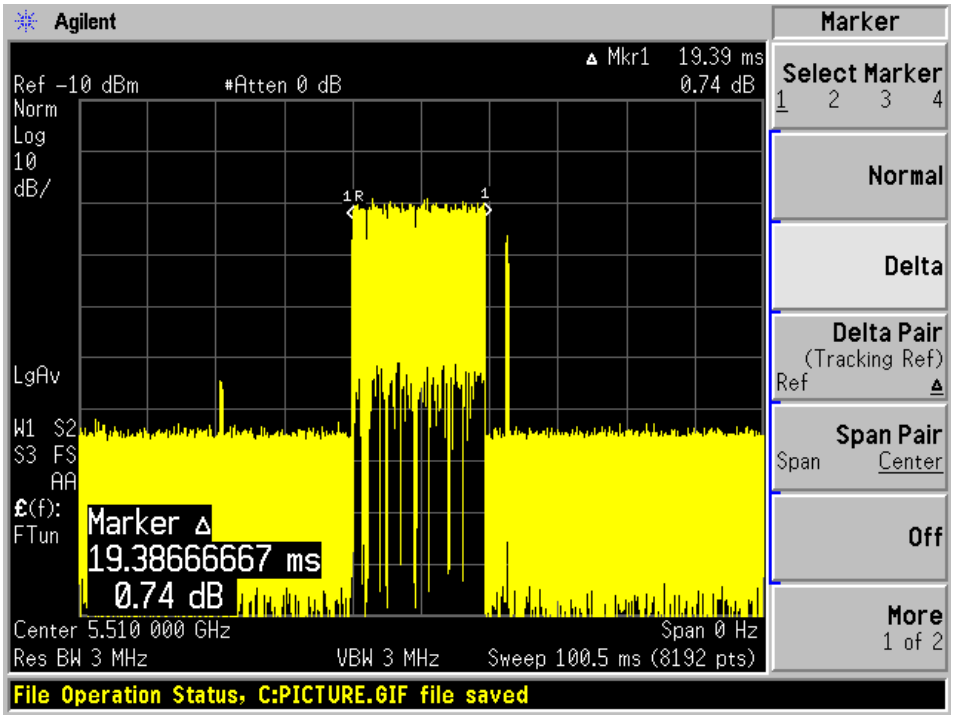
The Duty Cycle of the traffic is greater than 17%

Pine Radio

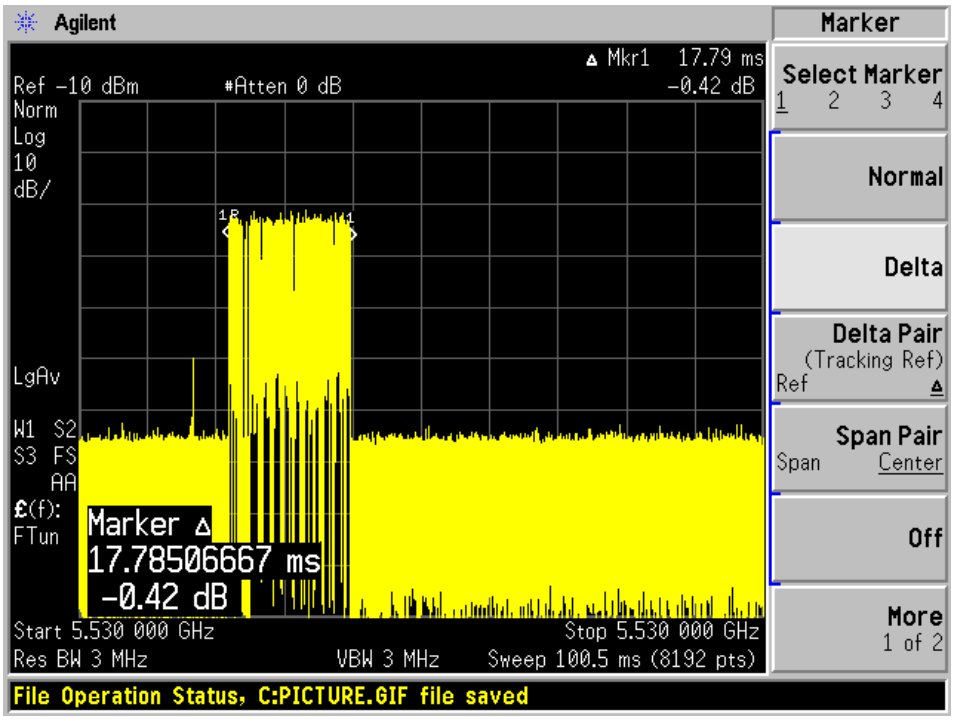
5500 MHz, 20MHz Bandwidth



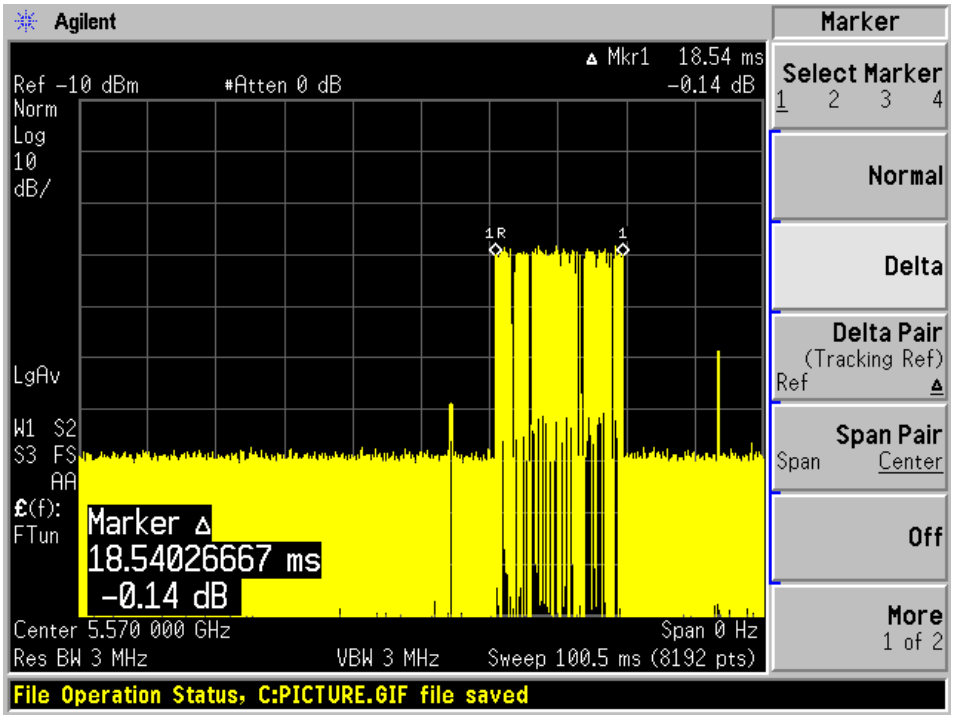
5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



5570 MHz, 160MHz Bandwidth

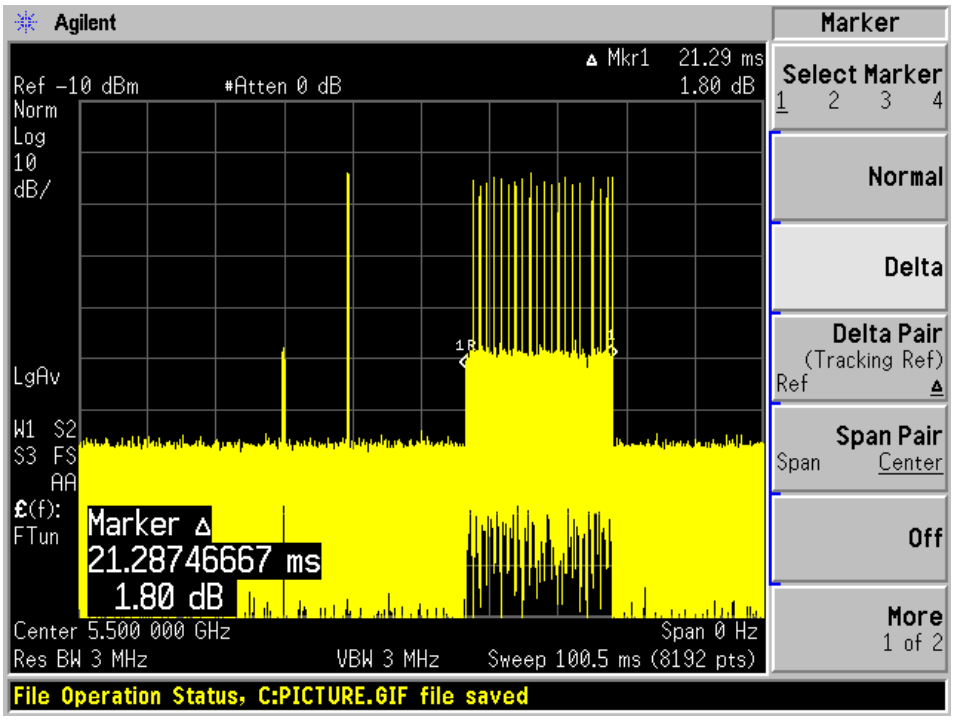


The Duty Cycle of the traffic is greater than 17%

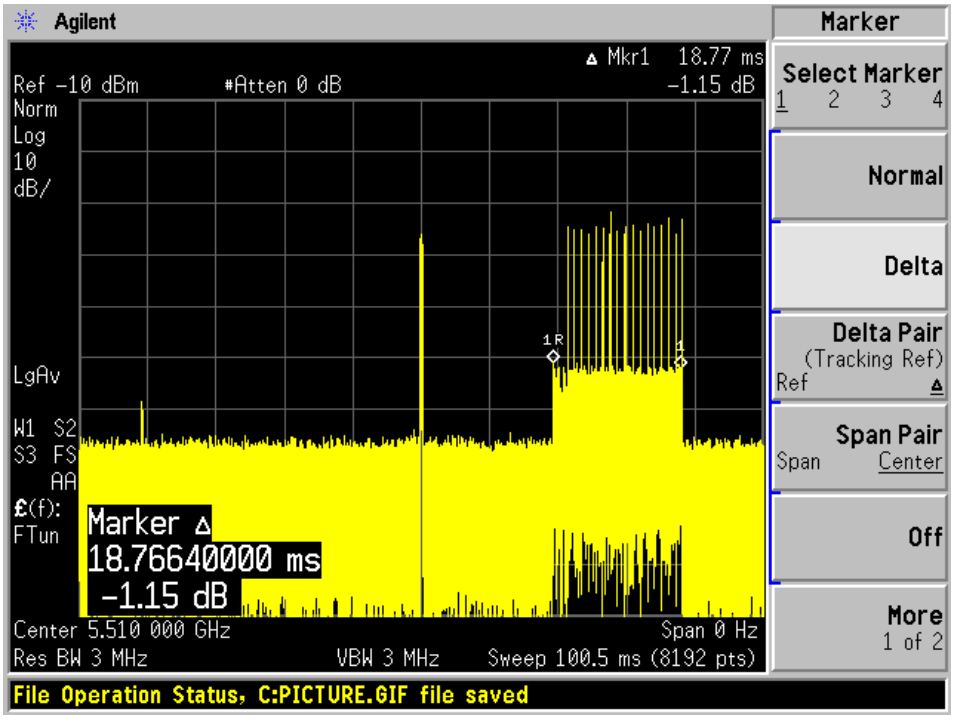
Client Mode

Cobalt Radio

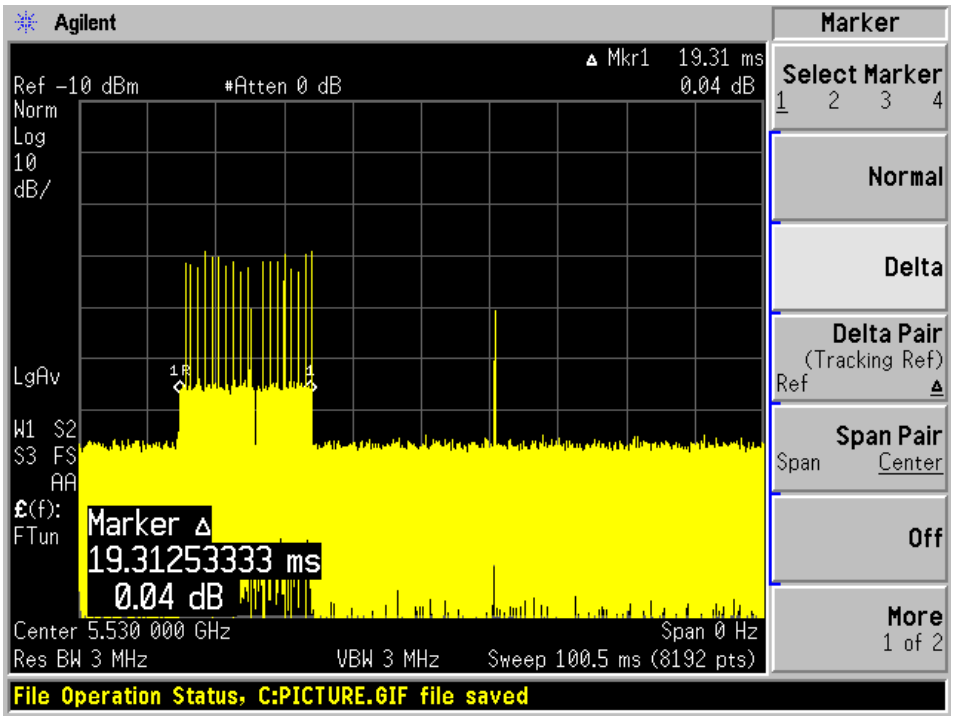
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



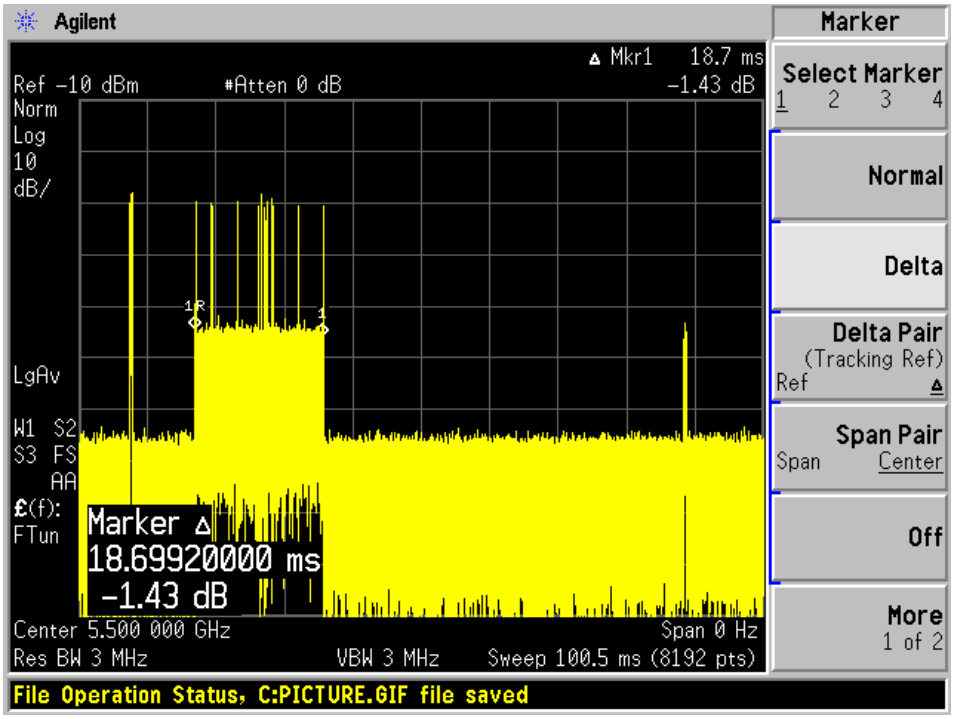
5530 MHz, 80MHz Bandwidth



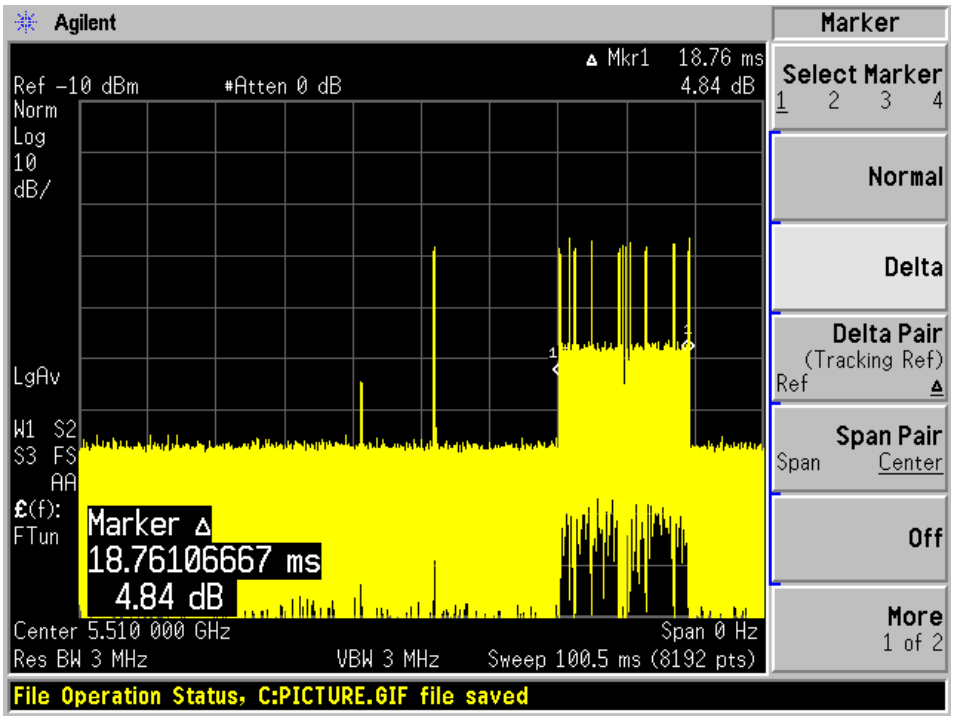
The Duty Cycle of the traffic is greater than 17%

Pine Radio

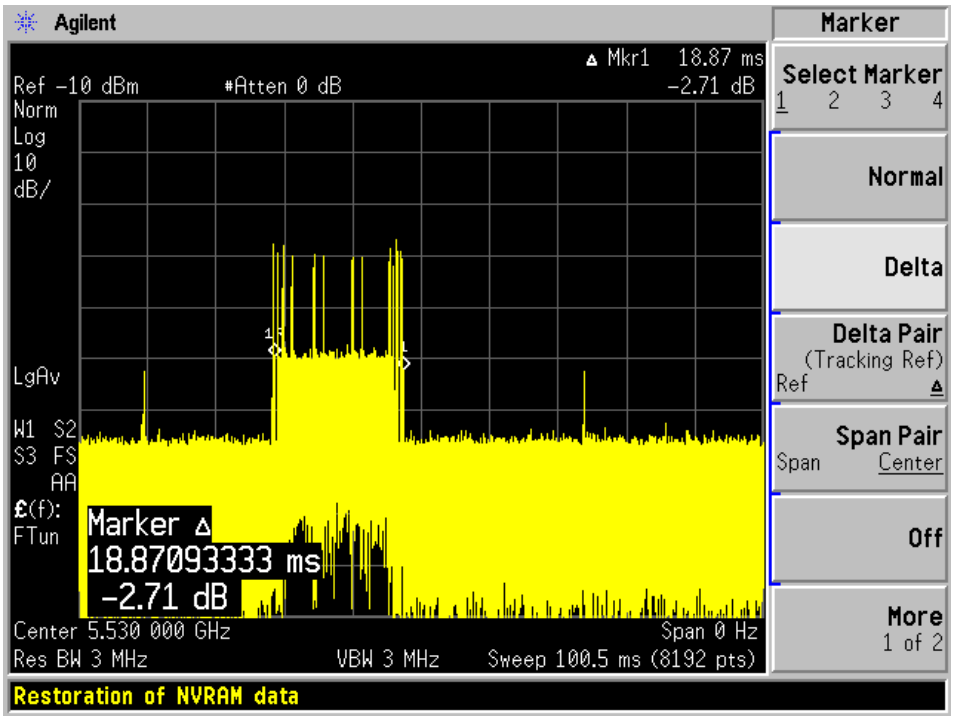
5500 MHz, 20MHz Bandwidth



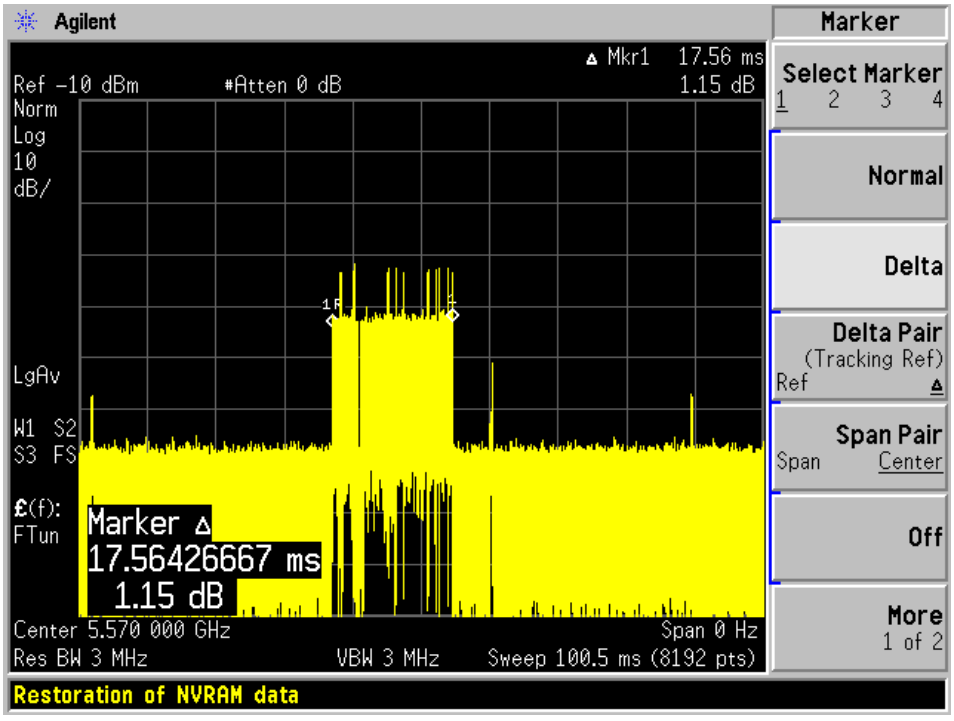
5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



5570 MHz, 160MHz Bandwidth

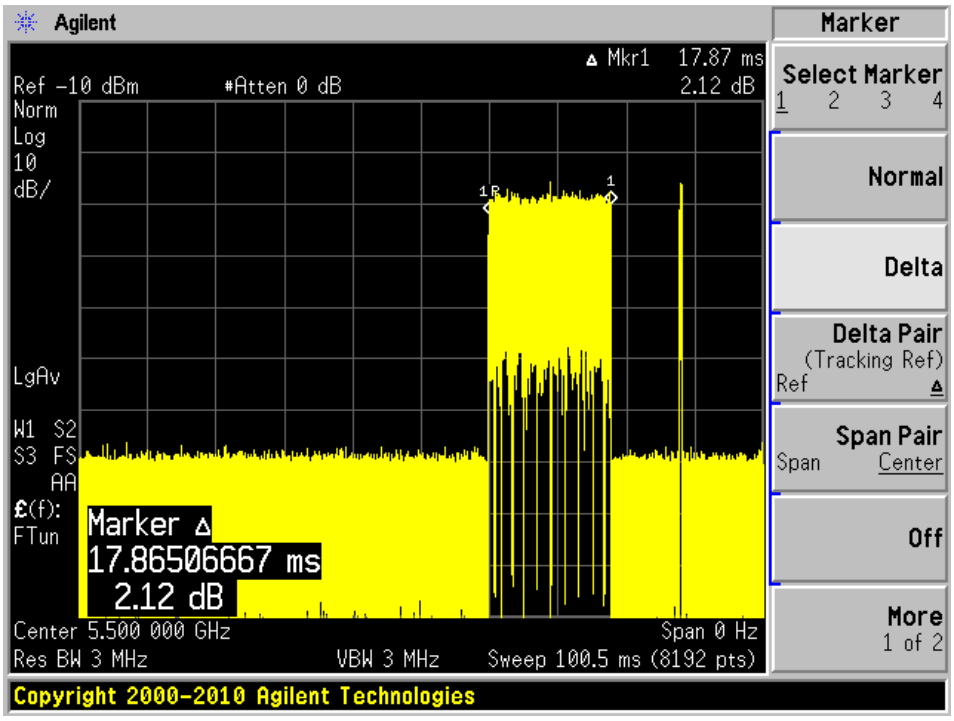


The Duty Cycle of the traffic is greater than 17%

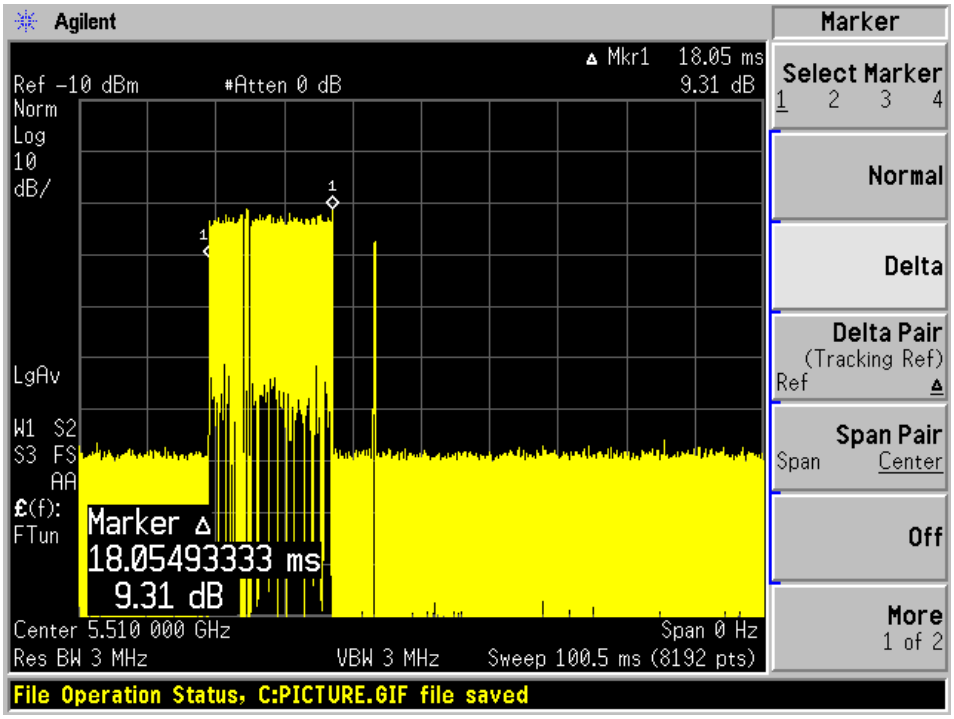
WGB Mode

Cobalt Radio

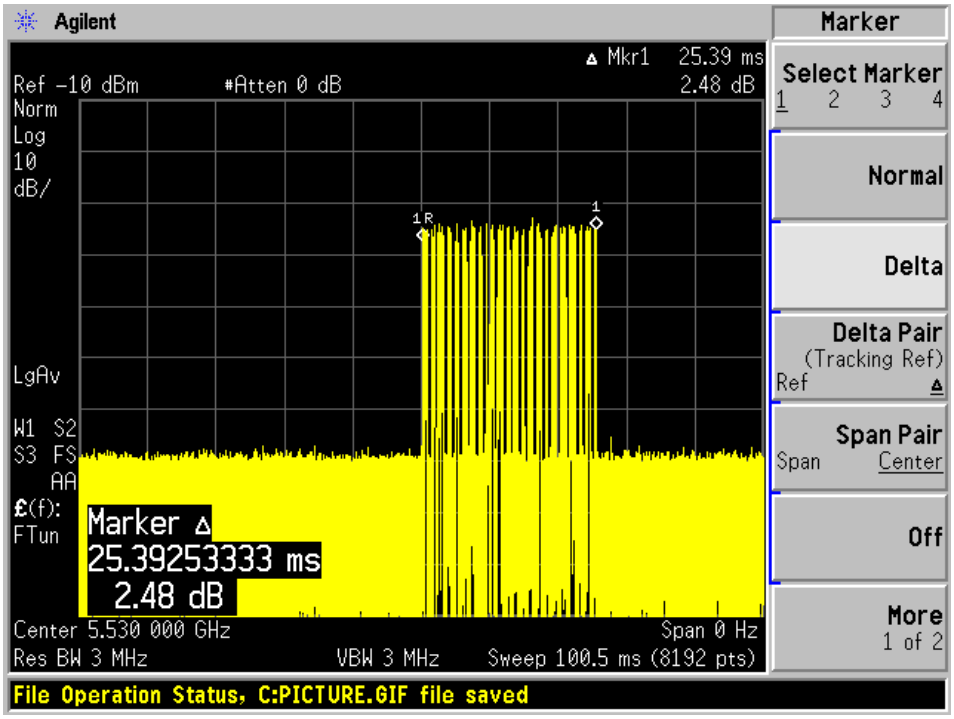
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



The Duty Cycle of the traffic is greater than 17%

6 Channel Availability Check Time (CAC)

6.1 Test Procedure

Master Mode procedure

1) Using TeraTerm to send commands to the EUT and using commands provided by the manufacturer, set mode to *AP mode*, channel to *channel 100* with center frequency at *5500 MHz*, and channel bandwidth to *20MHz*. After transmission begin, send the reboot command to power cycle the device. Measure and record the total time for the power cycle time and CAC time. Use the total time minus 60 seconds to determine the power cycle time.

2) Reboot the EUT again, apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer. Check no transmission for 2.5 minutes after radar detection.

3) Reboot EUT, apply a radar signal within 54~60 seconds after the power cycle time ended, and monitor the transmission on channel from the spectrum analyzer. Check no transmission for 2.5 minutes after radar detection.

6.2 Results

AP Mode

Cobalt Radio

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

Pine Radio

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

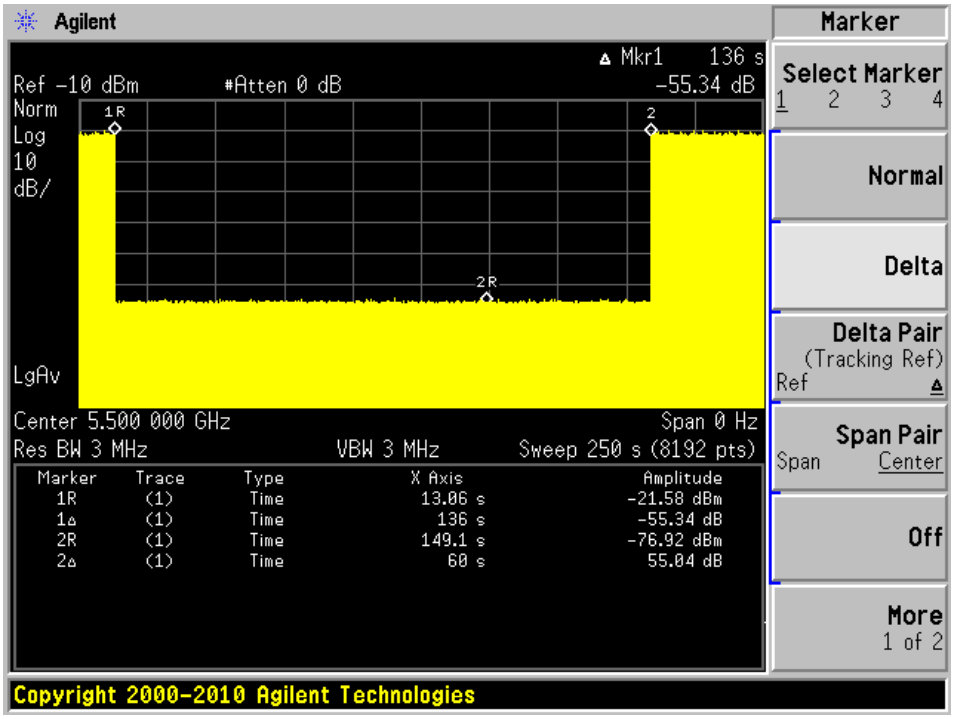
Please refer to the following plots.

AP Mode

Cobalt Radio

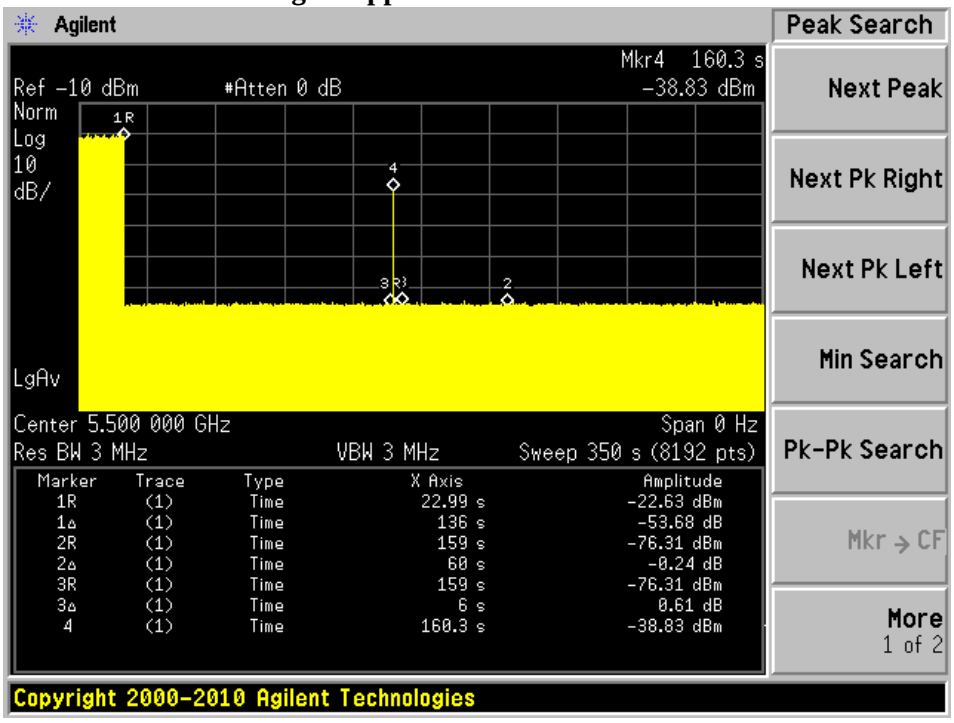
5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period



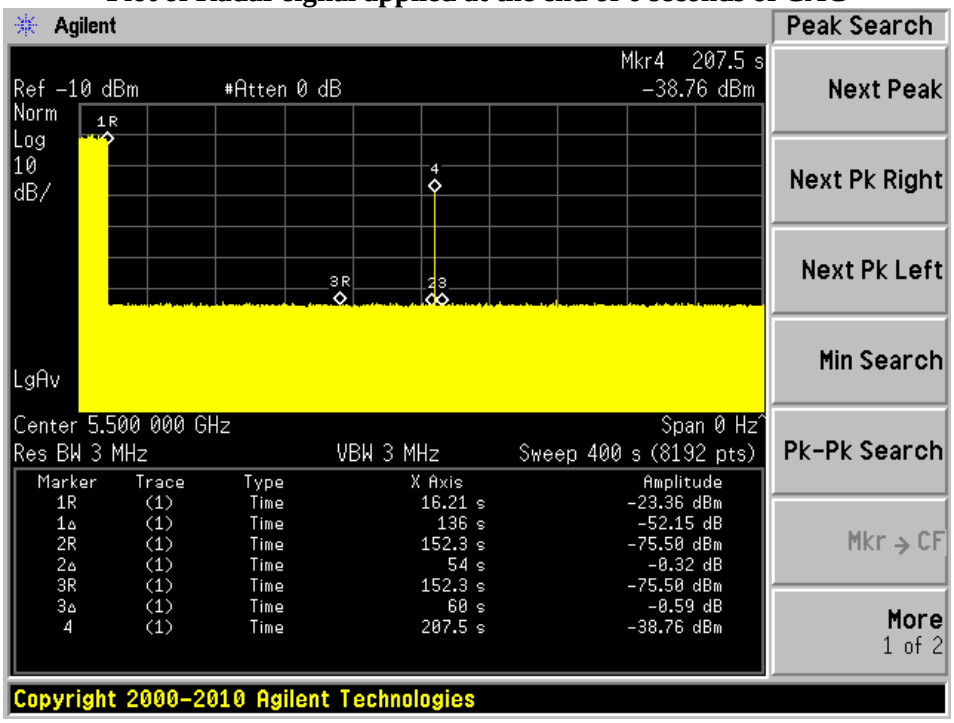
Note: Power Cycle Time was measured as 136 seconds.

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



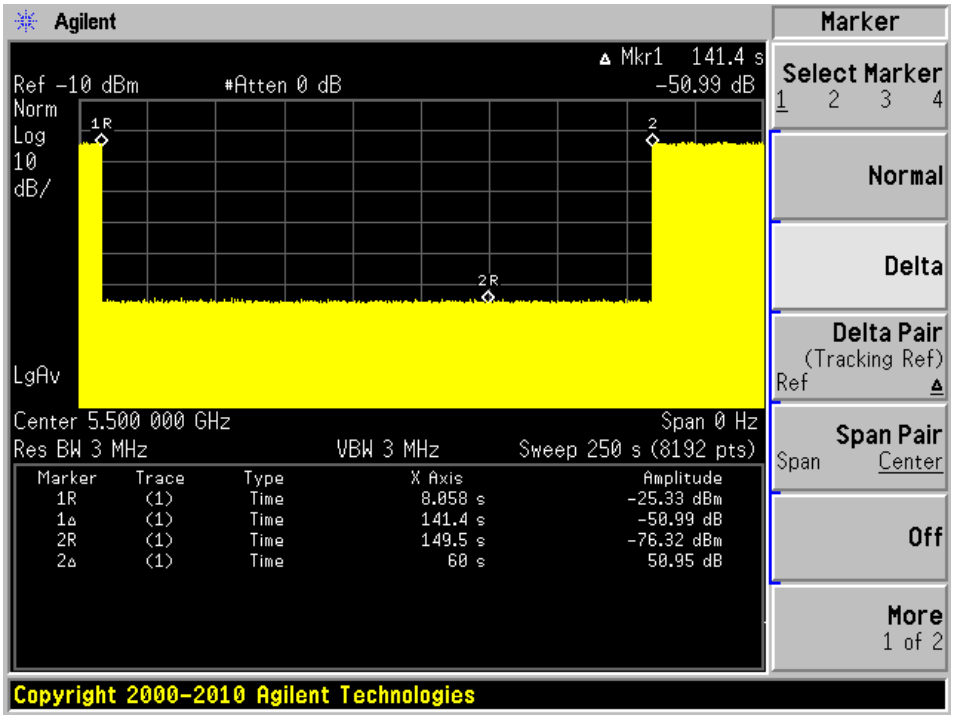
No transmissions found after radar signal applied.

AP Mode

Pine Radio

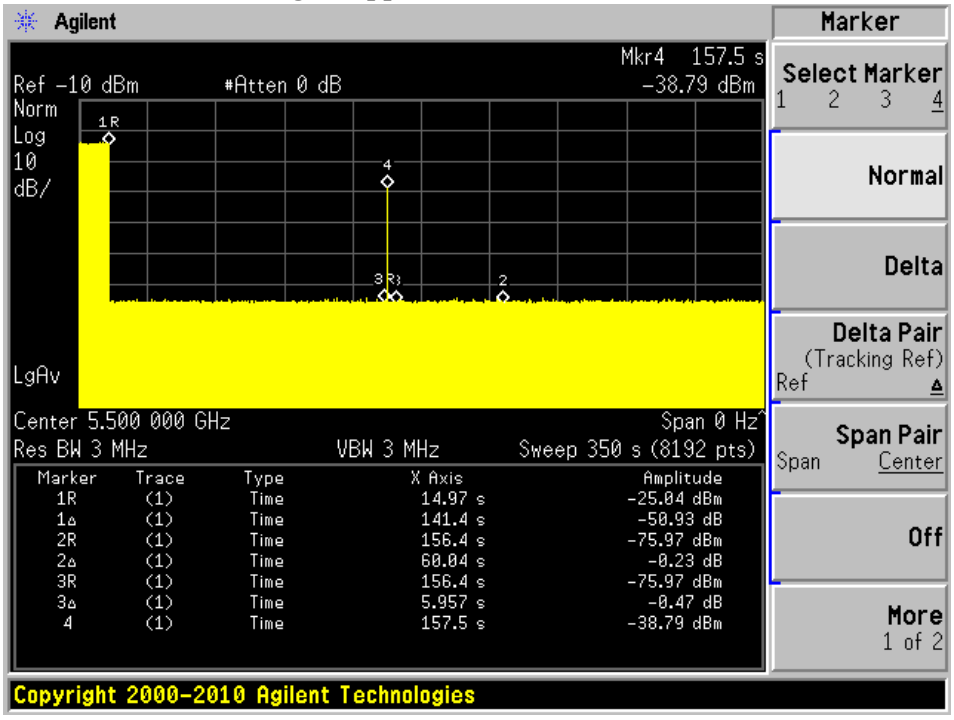
5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period



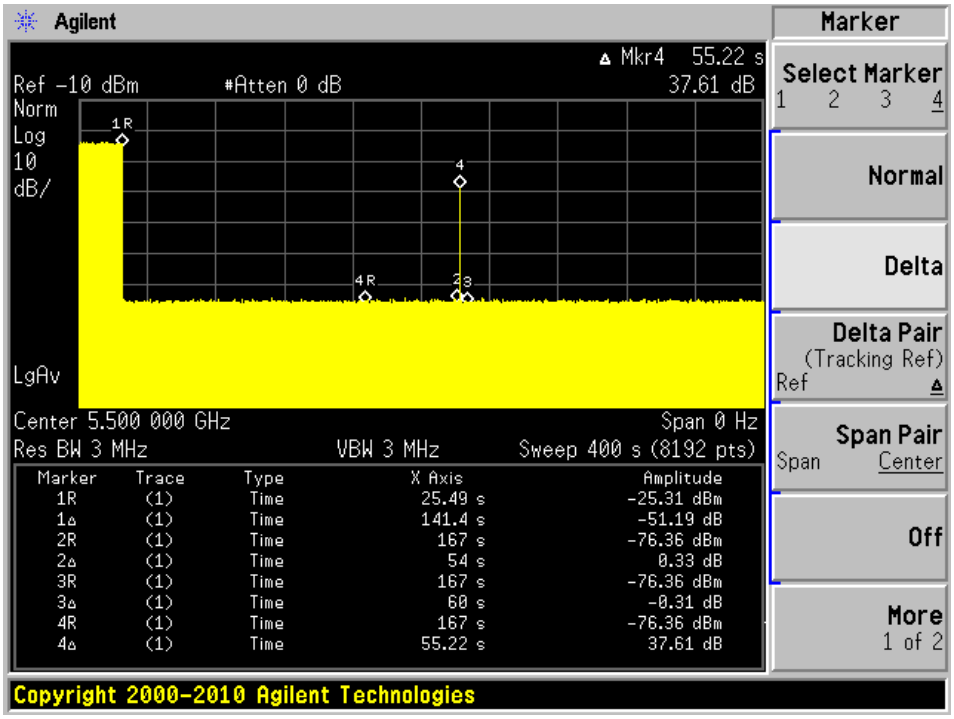
Note: Power Cycle Time was measured as 141.4 seconds.

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



No transmissions found after radar signal applied.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

BACL used 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

AP Mode

Cobalt Radio

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

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5570	160	Type 0	Compliant

Please refer to the following tables and plots.

P2P Mode

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5570	160	Type 0	Compliant

PM2P Mode

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5570	160	Type 0	Compliant

Client Mode Injection at Client

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5570	160	Type 0	Compliant

Client Mode Injection at Master

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5570	160	Type 0	Compliant

Please refer to the following tables and plots.

AP Mode

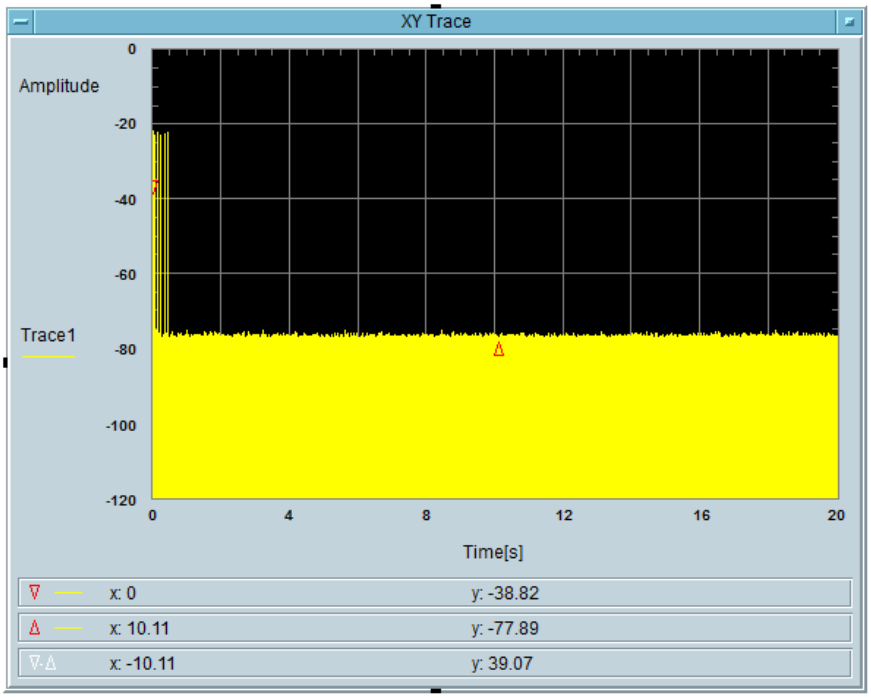
Cobalt Radio

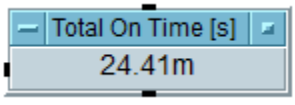
5530 MHz, Bandwidth 80 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
24.41+7.324	200+60	Pass

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





AP Mode

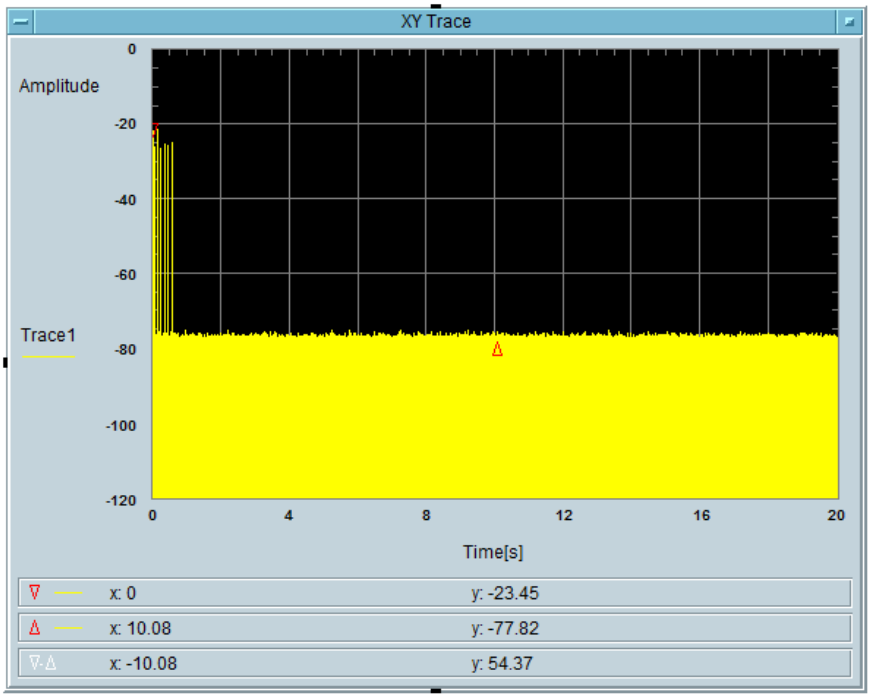
Pine Radio

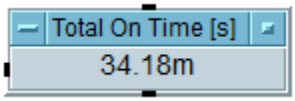
5570 MHz, Bandwidth 160 MHz

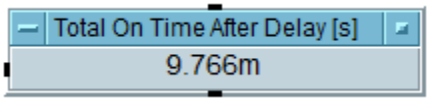
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
34.18 +9.766	200+60	Pass

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







P2P Mode

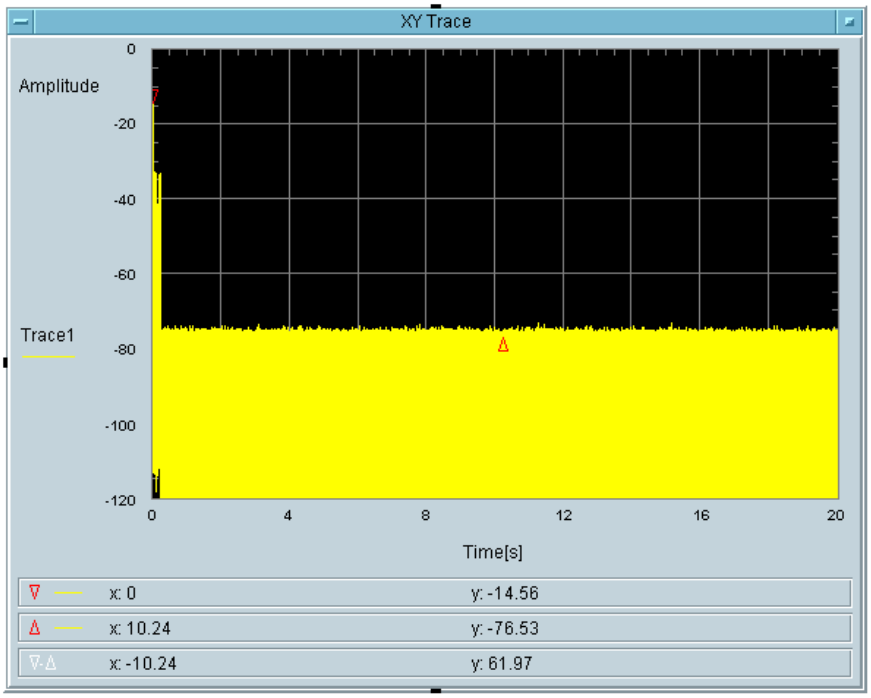
Pine Radio

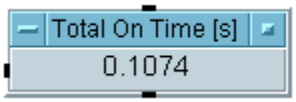
5570 MHz, Bandwidth 160 MHz

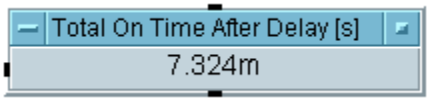
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
107.4+7.324	200+60	Pass

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







P2MP Mode

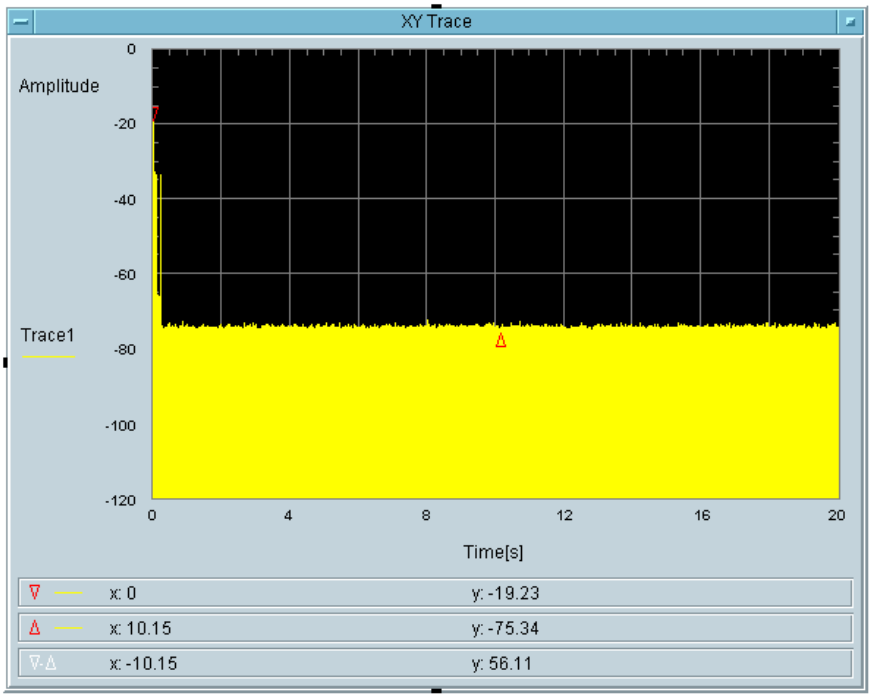
Pine Radio

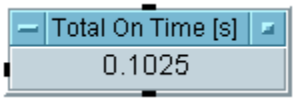
5570 MHz, Bandwidth 160 MHz

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

Channel closing transmitting time (ms)	Limit (ms)	Result
102.5+2.441	200+60	Pass

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





Client Mode Injection at Client

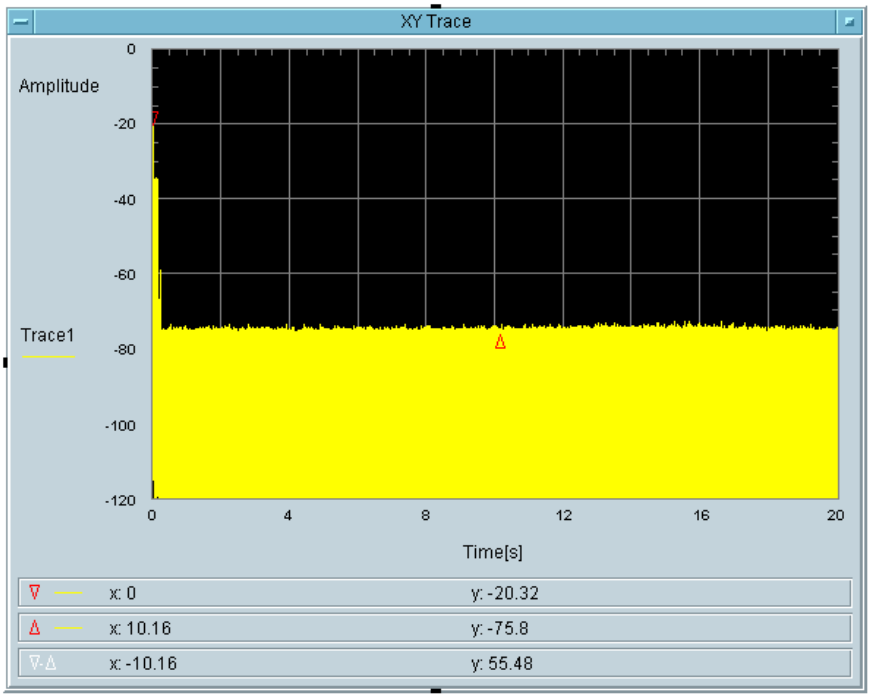
Pine Radio

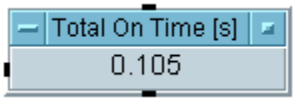
5570 MHz, Bandwidth 160 MHz

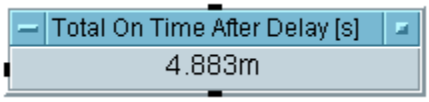
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
105+4.883	200+60	Pass

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







Client Mode Injection at Master

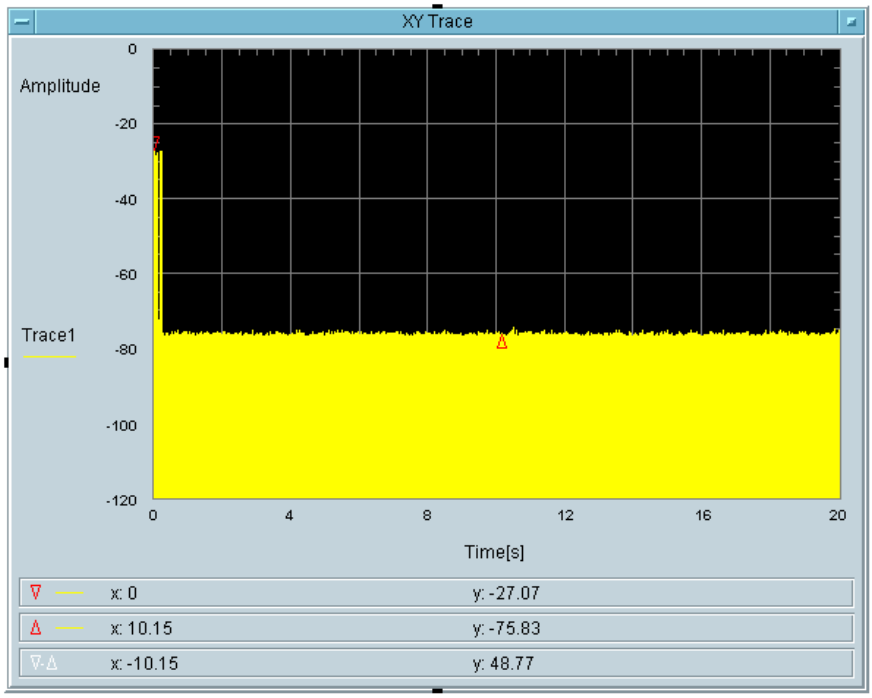
Pine Radio

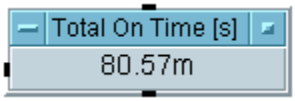
5570 MHz, Bandwidth 160 MHz

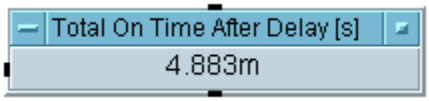
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
80.57+4.883	200+60	Pass

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







8 Non-Occupancy Period

8.1 Test Procedure

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

8.2 Test Results

AP, P2P, P2MP. and Client Mode

Cobalt Radio

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

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5570	160	No transmission within 30 minutes

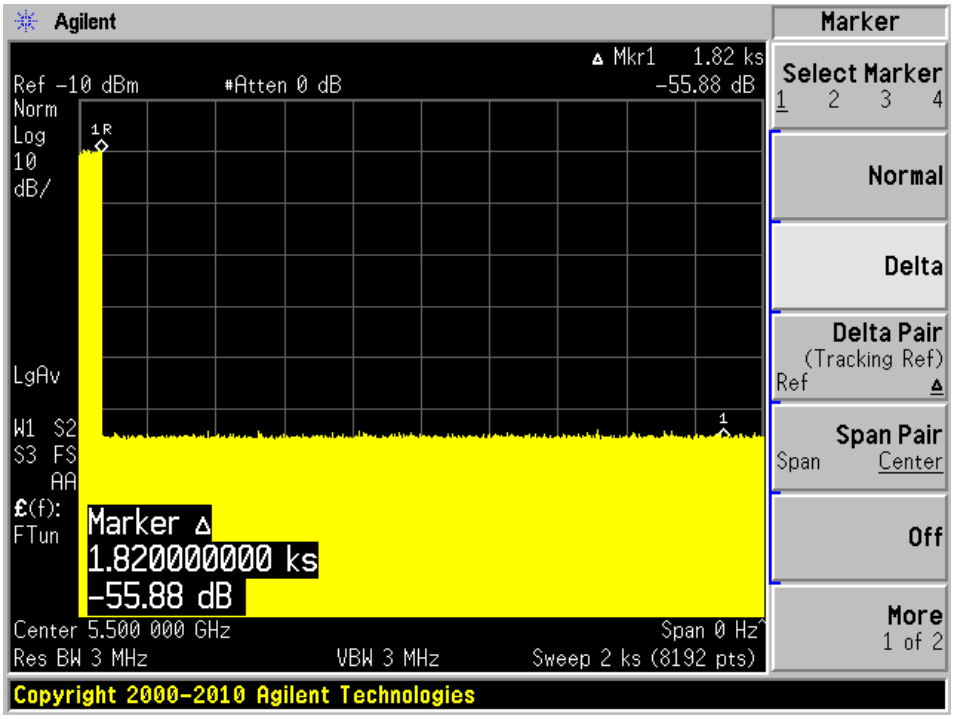
Note: 5500 MHz was the primary channel that contains control signal. Therefore, 5500 MHz was monitored during the test.

Please refer to the following plots.

AP Mode

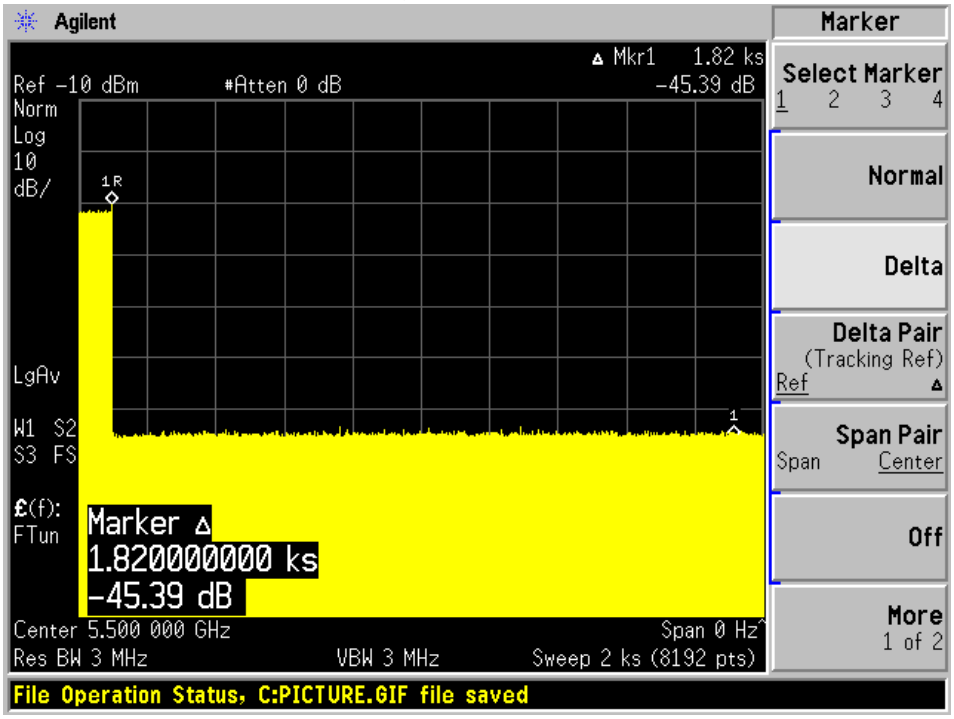
Cobalt Radio

5530 MHz, Bandwidth 80 MHz



Pine Radio

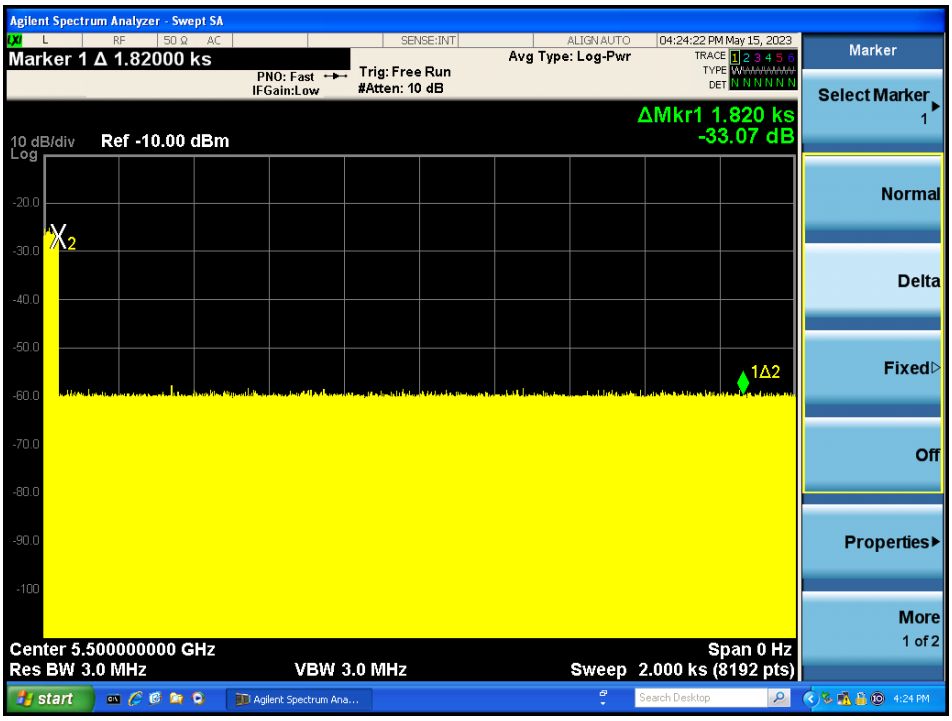
5570 MHz, Bandwidth 160 MHz



P2P Mode

Pine Radio

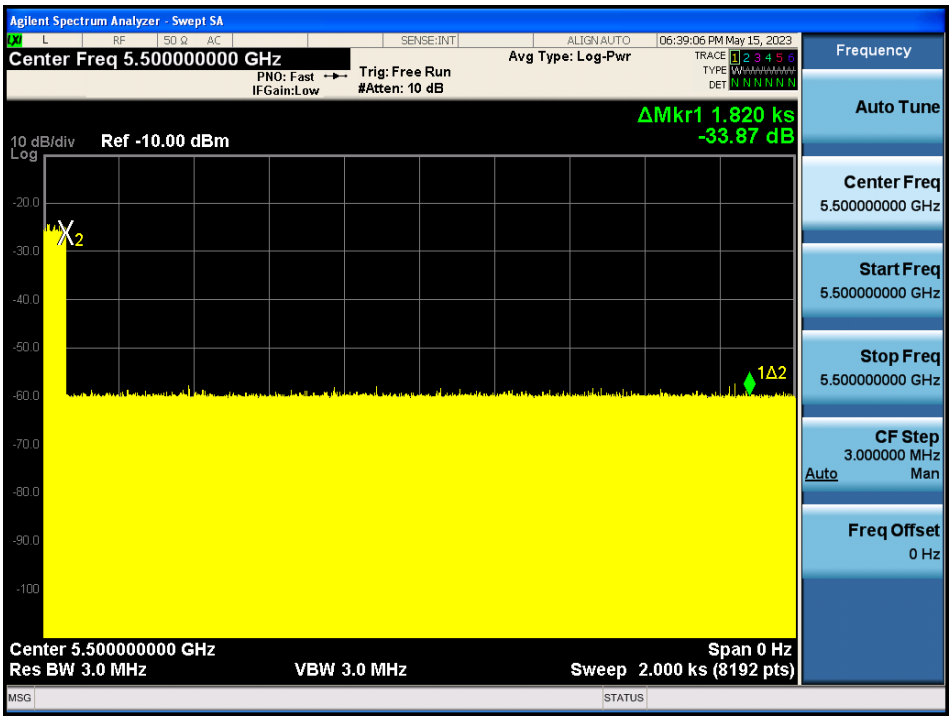
5570 MHz, Bandwidth 160 MHz



P2MP Mode

Pine Radio

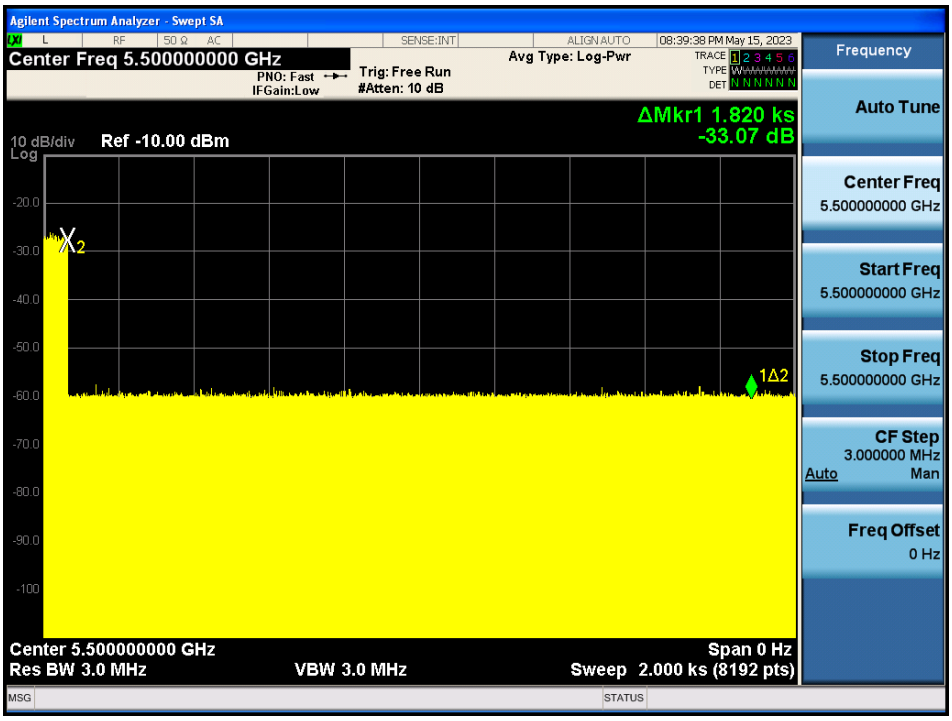
5570 MHz, Bandwidth 160 MHz



Client Mode Injection at Client

Pine Radio

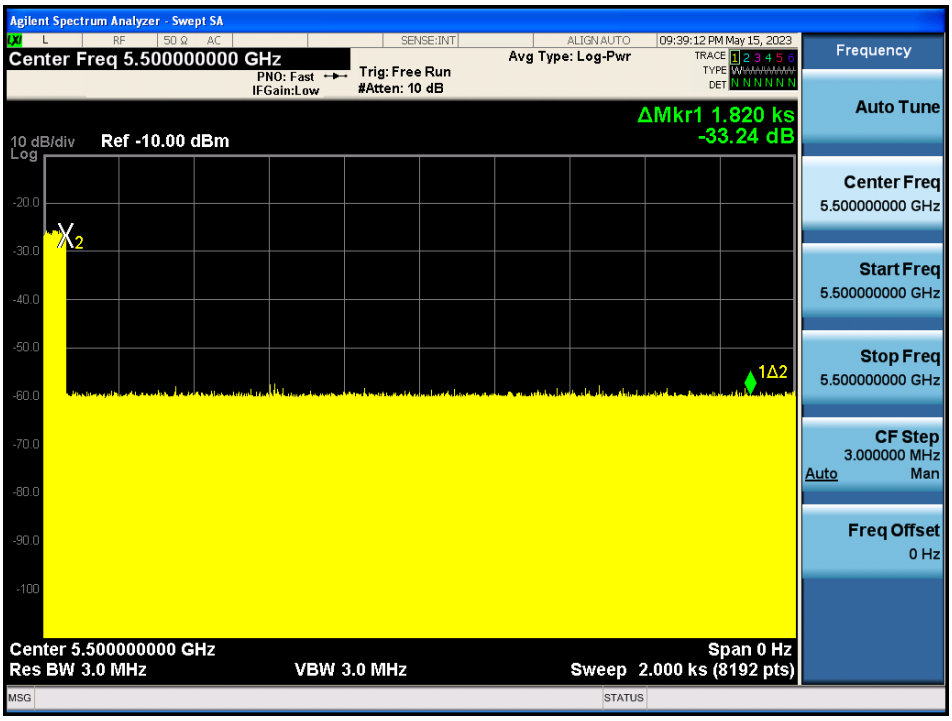
5570 MHz, Bandwidth 160 MHz



Client Mode Injection at Master

Pine Radio

5570 MHz, Bandwidth 160 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 EUT 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 EUT 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

AP

Cobalt Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliant
5510	5490	5530	40	100%	Compliant
5530	5490	5570	80	100%	Compliant

AP, P2P, P2MP, and Client Mode

Pine Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliant
5510	5490	5530	40	100%	Compliant
5530	5490	5570	80	100%	Compliant
5570	5490	5650	160	100%	Compliant

Results of Detection Bandwidth:

AP Mode

Cobalt Radio

EUT Frequency = 5500 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW =17.77 MHz; x 100% = 17.77 MHz **Result:** Pass											

EUT Frequency = 5510 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW =36.31 MHz; x 100% =36.31 MHz **Result:** Pass											

EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW = 76.18 MHz; x 100% = 76.18 MHz **Result:** Pass											

Pine Radio

EUT Frequency = 5500 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW =16.89 MHz; x 100% =16.89 MHz **Result:** Pass											

EUT Frequency = 5510 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW =35.65 MHz; x 100% =35.65 MHz **Result:** Pass											

EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW =74.37 MHz; x 100% =74.37 MHz **Result:** Pass											

EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 154.0 MHz; x 100% = 154.0 MHz **Result:** Pass											

P2P Mode
Pine Radio

EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 157.9 MHz; x 100% = 157.9 MHz **Result:** Pass											

P2MP Mode
Pine Radio

EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 157.4 MHz; x 100% = 157.4 MHz **Result:** Pass											

Client Mode
Pine Radio

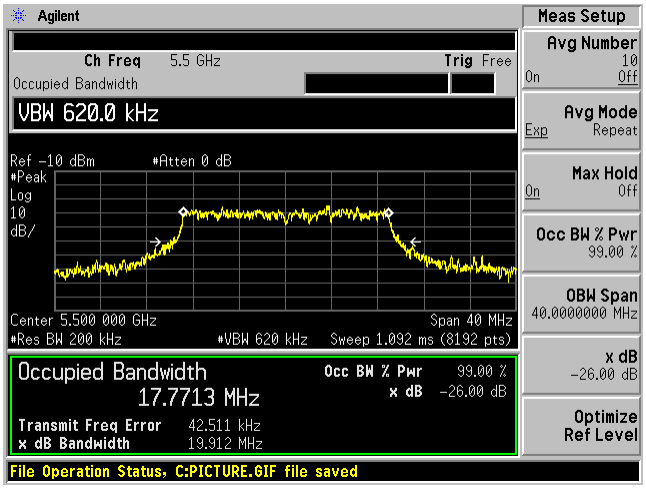
EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 156.0 MHz; x 100% = 156.0 MHz **Result:** Pass											

OBW Measurement

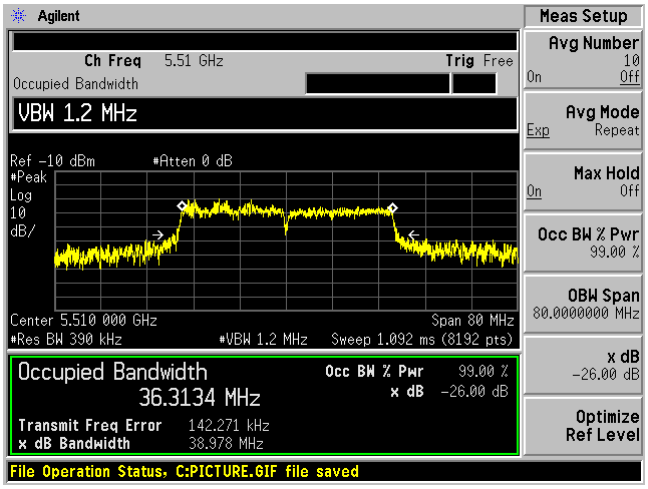
AP Mode

Cobalt Radio

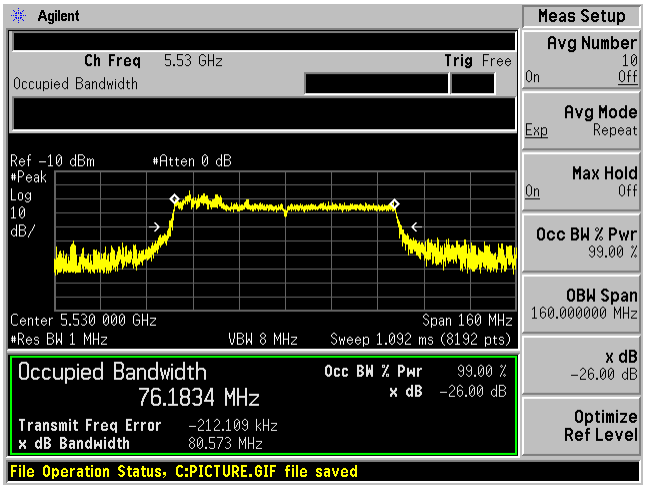
20 MHz



40 MHz

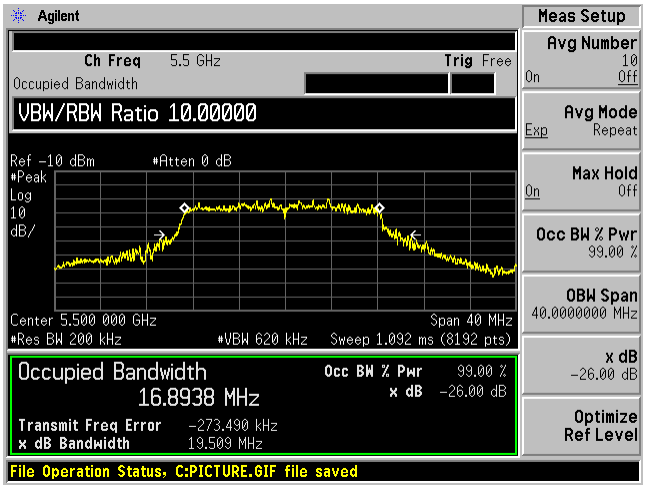


80 MHz

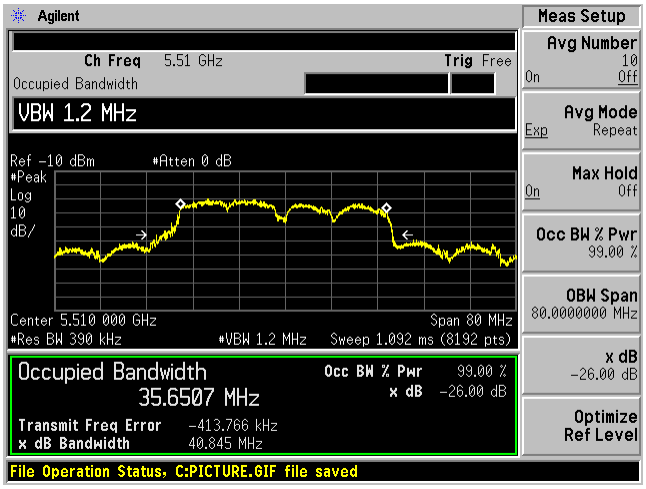


Pine Radio

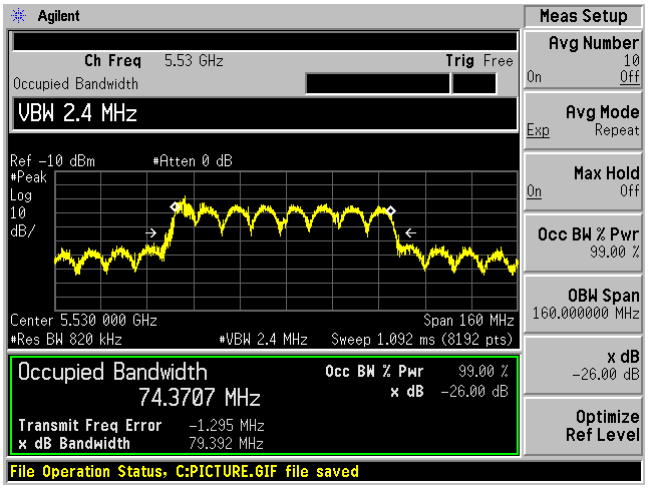
20 MHz



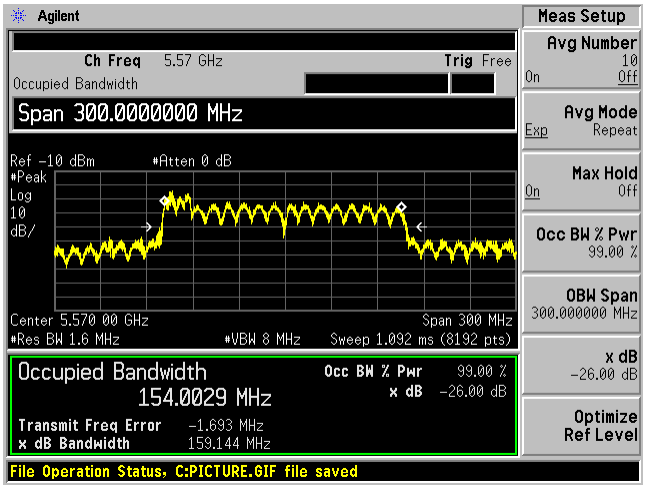
40 MHz



80 MHz



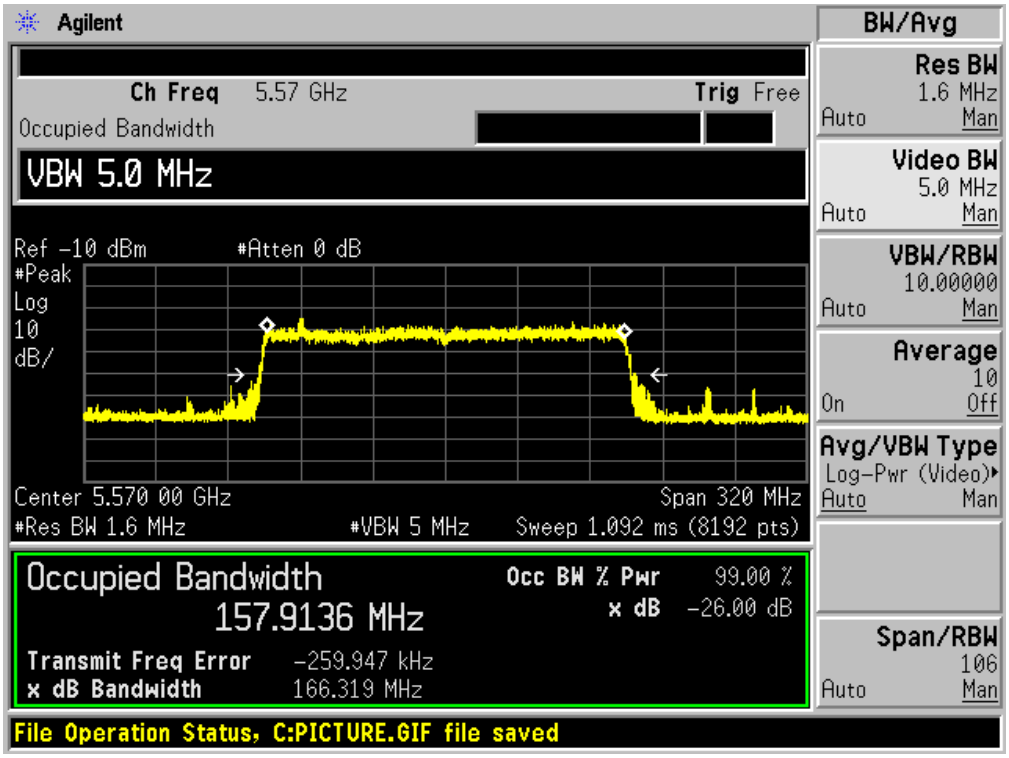
160 MHz



P2P Mode

Pine Radio

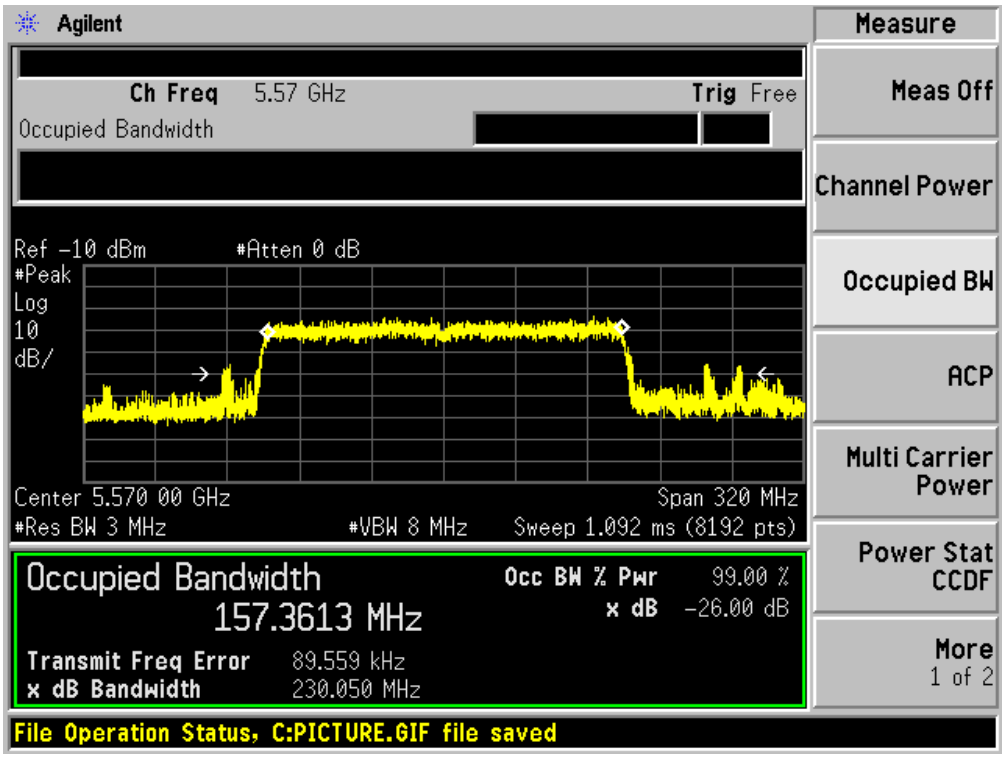
160 MHz



P2MP Mode

Pine Radio

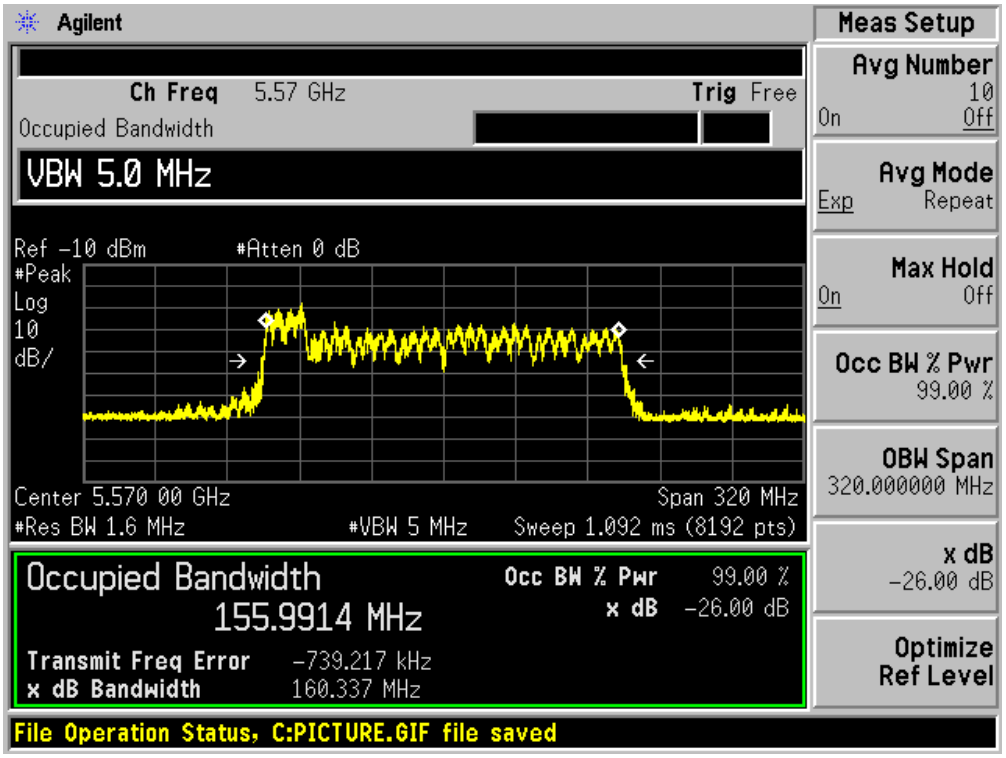
160 MHz



Client Mode

Pine Radio

160 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:

AP Mode
Cobalt Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	96.7 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	93.3 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	68	1.0	778	1
2	58	1.0	918	1
3	72	1.0	738	1
4	74	1.0	718	0
5	92	1.0	578	1
6	57	1.0	938	1
7	63	1.0	838	1
8	99	1.0	538	1
9	81	1.0	658	1
10	83	1.0	638	1
11	61	1.0	878	1
12	95	1.0	558	1
13	59	1.0	898	1
14	102	1.0	518	1
15	67	1.0	798	1
16	22	1.0	2409	1
17	21	1.0	2567	1
18	21	1.0	2537	1
19	18	1.0	3042	1
20	55	1.0	967	1
21	28	1.0	1954	1
22	32	1.0	1661	1
23	82	1.0	646	1
24	38	1.0	1396	1
25	18	1.0	2946	1
26	37	1.0	1428	1
27	54	1.0	994	1
28	36	1.0	1482	1
29	32	1.0	1693	1
30	58	1.0	925	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	2.5	181	1
2	23	4.7	190	1
3	26	3.8	150	1
4	28	2.5	172	1
5	27	2.8	208	1
6	26	5	179	1
7	25	1.3	174	1
8	29	4.3	163	0
9	23	4.1	212	1
10	27	5	211	1
11	23	3.7	213	1
12	24	3	177	1
13	25	4.9	161	1
14	29	3	158	1
15	27	4.2	159	1
16	27	3.8	205	1
17	24	3.8	162	1
18	27	2.2	217	1
19	27	2.5	201	1
20	27	3	155	0
21	29	2.3	191	1
22	23	2.6	206	1
23	24	1.3	218	1
24	25	4.8	202	1
25	28	1.3	189	1
26	24	3.8	200	1
27	28	3.4	166	1
28	25	2.1	192	1
29	28	2.4	214	1
30	29	4.7	183	1
Detection Percentage: 93.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	9.8	490	1
2	16	6.7	434	1
3	17	8.8	279	1
4	18	6.8	209	1
5	17	8.8	329	1
6	17	8.7	457	1
7	17	6.5	402	1
8	18	6.3	337	0
9	16	7.8	423	1
10	17	9.2	208	1
11	16	6.4	334	1
12	16	8.4	369	1
13	16	8.5	266	1
14	18	8.8	270	1
15	18	7.6	293	1
16	17	7.2	283	1
17	16	7.4	258	1
18	17	9.1	303	1
19	18	6.9	385	1
20	18	8.9	458	1
21	18	7.7	429	1
22	16	8.5	345	1
23	16	9.2	401	1
24	17	7	276	1
25	18	6.7	461	1
26	16	9.5	260	1
27	18	7.2	331	1
28	16	8.2	378	1
29	18	9.2	420	1
30	18	6.4	204	1
Detection Percentage: 96.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	16.8	312	1
2	12	19.3	247	1
3	14	19.5	277	0
4	15	16.2	426	1
5	15	19	221	0
6	14	19.4	463	1
7	13	14.9	419	1
8	16	13.1	422	1
9	12	17.1	372	1
10	15	17.5	279	0
11	12	16.6	326	1
12	13	14.9	283	1
13	13	15.2	200	1
14	16	11.9	392	1
15	15	16.7	415	1
16	15	18.1	305	0
17	13	15.2	411	1
18	15	18	355	1
19	15	14.9	248	1
20	15	16.8	269	1
21	16	12.3	207	1
22	12	18.6	325	1
23	12	15	246	1
24	13	17.5	370	1
25	15	18.2	485	1
26	12	11.1	322	1
27	15	15.3	457	1
28	13	13.2	381	1
29	16	13.3	481	1
30	16	16.5	300	1
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5495.0	1
12	5498.0	1
13	5495.0	1
14	5496.0	1
15	5493.0	1
16	5495.0	1
17	5496.0	1
18	5499.0	1
19	5499.0	1
20	5494.0	1
21	5503.0	1
22	5503.0	1
23	5505.0	1
24	5505.0	1
25	5507.0	1
26	5505.0	1
27	5507.0	1
28	5507.0	1
29	5506.0	1
30	5501.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	486460	74.6	14	1	1047	-	-	1
1	750147	62.7	14	1	1975	-	-	
2	1013898	73.7	14	2	1348	1003	-	
3	189064	75.8	14	3	1328	1295	1365	
4	452967	91.5	14	2	1985	1306	-	
5	716450	56.4	14	2	1854	1890	-	
6	980808	61.8	14	2	1864	1119	-	
7	156394	79	14	3	1822	1859	1686	
8	421326	96.5	14	1	1089	-	-	
9	684579	54.9	14	2	1479	1299	-	
10	949729	72.4	14	1	1351	-	-	

Bin5 Statistics 2

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	152066	69.4	5	1	1700	-	-	1
1	475270	58.8	5	1	1025	-	-	
2	796357	70.9	5	3	1393	1418	1619	
3	1117955	96.7	5	3	1594	1939	1732	
4	112212	76.3	5	2	1547	1019	-	
5	435310	96.8	5	1	1510	-	-	
6	757505	85.4	5	2	1523	1417	-	
7	1078396	60.9	5	3	1947	1737	1438	
8	72320	66.2	5	3	1452	1795	1820	

Bin5 Statistics 3

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	253333	79.4	14	3	1210	1031	1868	1
1	461788	75.8	14	1	1203	-	-	
2	669028	59	14	1	1654	-	-	
3	20978	79.6	14	2	1669	1772	-	
4	227506	80.9	14	3	1810	1610	1971	
5	435972	50	14	1	1685	-	-	
6	641185	50.5	14	3	1496	1412	1785	
7	851266	53.9	14	1	1340	-	-	
8	202381	76.2	14	3	1275	1582	1183	
9	408832	97.7	14	3	1386	1989	1611	
10	616706	81.1	14	2	1635	1691	-	
11	822647	66.9	14	3	1540	1344	1620	
12	176865	62.8	14	3	1427	1085	1674	
13	385062	87	14	1	1234	-	-	

Bin5 Statistics 4

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	458125	92.3	5	3	1549	1914	1573	1
1	618252	77.8	5	3	1834	1824	1741	
2	117631	69.5	5	3	1002	1100	1786	
3	279583	98.4	5	1	1014	-	-	
4	439415	92.5	5	2	1525	1918	-	
5	600900	89.2	5	2	1111	1634	-	
6	98167	65.1	5	1	1607	-	-	
7	258105	62.7	5	3	1715	1858	1522	
8	419158	99.6	5	3	1409	1084	1651	
9	581070	97.5	5	2	1430	1310	-	
10	78209	92	5	2	1302	1072	-	
11	238506	91.4	5	3	1636	1550	1451	
12	398573	58.6	5	3	1949	1935	1576	
13	561038	53	5	2	1212	1761	-	
14	58445	83.1	5	1	1453	-	-	
15	219508	81.6	5	2	1094	1181	-	
16	380476	75	5	2	1286	1282	-	
17	542107	89.3	5	1	1874	-	-	

Bin5 Statistics 5

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	43366	77.8	5	2	1080	1015	-	1
1	223955	68.4	5	3	1681	1762	1319	
2	405553	57.4	5	2	1372	1818	-	
3	587638	98.9	5	1	1967	-	-	
4	20977	53.7	5	3	1081	1490	1175	
5	202532	94.2	5	1	1657	-	-	
6	382677	95	5	3	1159	1431	1702	
7	564750	91.4	5	2	1281	1403	-	
8	746158	55.9	5	2	1057	1466	-	
9	180235	57.8	5	1	1413	-	-	
10	361711	52.7	5	1	1578	-	-	
11	543475	98.9	5	1	1236	-	-	
12	724537	73.9	5	1	1790	-	-	
13	157869	55.4	5	1	1422	-	-	
14	338883	56.6	5	2	1099	1515	-	
15	520739	71.8	5	1	1764	-	-	

Bin5 Statistics 6

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	862216	78.6	16	3	1341	1123	1883	1
1	166197	68.9	16	3	1825	1779	1350	
2	388711	56.8	16	3	1903	1884	1542	
3	614174	98.5	16	1	1006	-	-	
4	837069	93	16	1	1816	-	-	
5	139305	71.8	16	1	1406	-	-	
6	362025	51.1	16	2	1734	1739	-	
7	584444	66.7	16	3	1809	1339	1290	
8	809067	76.2	16	2	1104	1258	-	
9	111494	61.6	16	3	1053	1225	1408	
10	333975	87.6	16	3	1922	1692	1445	
11	558540	89.5	16	1	1899	-	-	
12	781209	91.5	16	2	1723	1054	-	

Bin5 Statistics 7

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	91223	97.6	20	1	1879	-	-	1
1	333502	70.9	20	1	1270	-	-	
2	574806	94.6	20	2	1200	1667	-	
3	816775	72.7	20	2	1398	1307	-	
4	61321	91.8	20	2	1589	1653	-	
5	302861	89.2	20	2	1987	1929	-	
6	545615	94.4	20	1	1771	-	-	
7	786678	79.5	20	2	1384	1704	-	
8	31508	93.5	20	3	1132	1997	1221	
9	272653	74	20	3	1862	1867	1830	
10	514174	75.3	20	3	1600	1624	1683	
11	758129	53.3	20	1	1464	-	-	

Bin5 Statistics 8

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1061	51.1	7	1	1570	-	-	1
1	145510	83.3	7	3	1362	1346	1680	
2	291352	57.2	7	1	1539	-	-	
3	435079	59.9	7	3	1145	1050	1289	
4	580278	50.6	7	2	1622	1321	-	
5	128289	73.5	7	1	1719	-	-	
6	273342	86.5	7	1	1827	-	-	
7	418523	84.8	7	1	1676	-	-	
8	561523	86.8	7	2	1995	1923	-	
9	110209	74.4	7	2	1061	1776	-	
10	254651	64.1	7	2	1767	1981	-	
11	399696	74.7	7	2	1891	1208	-	
12	546008	76.6	7	1	1405	-	-	
13	92557	96.4	7	1	1625	-	-	
14	237803	56	7	1	1320	-	-	
15	383189	67.3	7	1	1027	-	-	
16	526963	90.8	7	2	1626	1096	-	
17	74436	72.6	7	3	1166	1357	1067	
18	219857	92.2	7	1	1485	-	-	
19	365293	56.5	7	1	1030	-	-	

Bin5 Statistics 9

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1132807	55.4	10	3	1240	1198	1934	1
1	126192	100	10	3	1541	1135	1364	
2	449605	58.4	10	1	1026	-	-	
3	770173	86.9	10	3	1950	1690	1796	
4	1093815	58.2	10	2	1850	1660	-	
5	86420	76.1	10	3	1725	1845	1387	
6	408842	82.1	10	3	1354	1371	1426	
7	731026	66.3	10	3	1242	1765	1478	
8	1054851	62.2	10	2	1070	1476	-	

Bin5 Statistics 10

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26251	92.4	5	3	1369	1179	1331	1
1	207801	85.2	5	1	1746	-	-	
2	389391	94.9	5	1	1527	-	-	
3	570723	81.5	5	1	1783	-	-	
4	3972	95.1	5	1	1731	-	-	
5	185505	91.9	5	1	1514	-	-	
6	367250	88.5	5	1	1079	-	-	
7	548257	93.9	5	1	1938	-	-	
8	730107	56.7	5	1	1506	-	-	
9	162618	75.6	5	3	1228	1571	1129	
10	343745	88.1	5	2	1699	1837	-	
11	524264	51.1	5	3	1477	1098	1703	
12	704137	54.7	5	3	1678	1871	1774	
13	140839	54.7	5	1	1220	-	-	
14	321380	73.1	5	3	1063	1318	1305	
15	502186	56.7	5	3	1105	1553	1323	

Bin5 Statistics 11

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1369683	69.8	11	3	1839	1247	1114	1
1	237030	96.2	11	1	1866	-	-	
2	600714	95.5	11	1	1021	-	-	
3	964238	83.2	11	1	1060	-	-	
4	1324543	77.1	11	3	1545	1991	1176	
5	192321	88.7	11	1	1501	-	-	
6	555932	70.8	11	1	1024	-	-	
7	917536	81.8	11	3	1534	1593	1068	

Bin5 Statistics 12

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	931251	68.8	18	2	1911	1009	-	1
1	107271	97.9	18	1	1520	-	-	
2	371485	51.1	18	1	1511	-	-	
3	634756	74.9	18	2	1668	1458	-	
4	900003	70.4	18	1	1401	-	-	
5	74715	51.7	18	1	1677	-	-	
6	338618	74.5	18	2	1252	1292	-	
7	601863	91.5	18	2	1998	1843	-	
8	867485	70.2	18	1	1363	-	-	
9	42117	72.5	18	2	1487	1682	-	
10	305393	94.4	18	3	1579	1537	1956	

Bin5 Statistics 13

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	523033	89.3	11	1	1432	-	-	1
1	764047	69.3	11	2	1140	1819	-	
2	8820	93.3	11	2	1543	1300	-	
3	250893	81.5	11	1	1925	-	-	
4	491891	54.5	11	3	1235	1414	1436	
5	732879	67.5	11	3	1738	1448	1650	
6	977923	73.5	11	1	1071	-	-	
7	220924	84.1	11	2	1298	1316	-	
8	461769	97.1	11	3	1590	1366	1926	
9	703560	54.1	11	3	1000	1308	1946	
10	948047	55.4	11	1	1106	-	-	
11	190812	50.7	11	3	1201	1332	1727	

Bin5 Statistics 14

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	258330	95.2	13	3	1566	1781	1641	1
1	403954	85.3	13	2	1083	1963	-	
2	550277	80.1	13	1	1367	-	-	
3	96287	88.4	13	3	1889	1754	1087	
4	240671	80	13	3	1717	1815	1168	
5	386579	86.7	13	2	1285	1051	-	
6	529982	83.1	13	3	1216	1253	1609	
7	78388	85.2	13	3	1974	1661	1977	
8	223734	53.6	13	2	1335	1103	-	
9	369011	64.3	13	1	1872	-	-	
10	512738	63	13	2	1659	1769	-	
11	60930	62.7	13	2	1567	1110	-	
12	205181	97.2	13	3	1202	1614	1656	
13	351157	90.7	13	1	1846	-	-	
14	493743	63.5	13	3	1721	1841	1280	
15	42995	73.4	13	3	1169	1759	1013	
16	187482	54.9	13	3	1075	1710	1395	
17	333347	51	13	1	1740	-	-	
18	476116	96.7	13	3	1005	1945	1701	
19	25226	80.9	13	2	1312	1720	-	

Bin5 Statistics 15

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	212676	82.3	5	2	1943	1272	-	1
1	393766	60.3	5	2	1707	1562	-	
2	574655	83.8	5	2	1906	1644	-	
3	9243	87.5	5	2	1787	1770	-	
4	190521	76.6	5	2	1548	1059	-	
5	370759	64.7	5	3	1599	1419	1655	
6	553867	90.9	5	1	1507	-	-	
7	735183	65.6	5	1	1728	-	-	
8	167503	53.6	5	3	1778	1927	1970	
9	348516	54.5	5	3	1966	1617	1041	
10	531685	73.8	5	1	1256	-	-	
11	710945	77.7	5	3	1171	1459	1076	
12	146013	63.3	5	1	1849	-	-	
13	327143	97.2	5	2	1224	1356	-	
14	509171	56	5	1	1470	-	-	
15	690661	89.6	5	1	1526	-	-	

Bin5 Statistics 16

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	123356	90.4	10	3	1055	1397	1254	1
1	304554	63.4	10	2	1288	1931	-	
2	484458	94.6	10	3	1465	1745	1876	
3	668177	54.7	10	1	1666	-	-	
4	101185	87.1	10	2	1673	1112	-	
5	281827	87.4	10	3	1631	1591	1101	
6	464578	90.8	10	1	1260	-	-	
7	645805	75	10	1	1684	-	-	
8	78950	56.2	10	1	1962	-	-	
9	260401	80.5	10	1	1881	-	-	
10	442164	84.3	10	1	1338	-	-	
11	621246	63.9	10	3	1530	1603	1197	
12	56623	53.9	10	1	1688	-	-	
13	238324	50	10	1	1022	-	-	
14	418702	79.2	10	2	1865	1428	-	
15	600524	96.1	10	2	1167	1226	-	

Bin5 Statistics 17

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	49743	57.5	12	3	1616	1905	1148	
1	313006	74.5	12	3	1996	1811	1500	
2	577622	68.4	12	2	1758	1058	-	
3	841501	84.8	12	2	1259	1580	-	
4	17303	51.4	12	3	1052	1944	1010	
5	280865	92.6	12	3	1343	1238	1601	1
6	545134	61.7	12	2	1213	1565	-	
7	807258	65.3	12	3	1489	1736	1951	
8	1074204	95.8	12	1	1503	-	-	
9	248779	67.5	12	2	1130	1396	-	
10	513250	81.5	12	1	1456	-	-	

Bin5 Statistics 18

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	567466	99.1	20	3	1869	1441	1519	
1	760733	90.5	20	3	1629	1358	1410	
2	158514	85.4	20	2	1133	1120	-	
3	352460	99.5	20	1	1194	-	-	
4	545218	50	20	2	1313	1311	-	
5	737560	84.6	20	3	1245	1246	1264	
6	134597	74	20	2	1630	1128	-	
7	328336	83.1	20	1	1826	-	-	1
8	521522	91.5	20	2	1227	1206	-	
9	714724	56.4	20	2	1108	1586	-	
10	110743	91.9	20	2	1831	1189	-	
11	304496	93.9	20	1	1814	-	-	
12	497533	94.9	20	2	1018	1675	-	
13	691832	69.6	20	1	1623	-	-	
14	87135	58.8	20	1	1177	-	-	

Bin5 Statistics 19

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247340	81.3	20	2	1244	1190	-	1
1	418549	96.1	20	1	1423	-	-	
2	587617	80.4	20	2	1584	1973	-	
3	55613	77	20	2	1983	1757	-	
4	226765	61.6	20	1	1066	-	-	
5	396764	53.5	20	2	1648	1086	-	
6	568479	75.4	20	1	1273	-	-	
7	34597	77.8	20	3	1928	1091	1533	
8	205521	70.2	20	1	1711	-	-	
9	375189	88.8	20	2	1878	1921	-	
10	545059	78.7	20	3	1442	1760	1122	
11	13656	71.3	20	3	1038	1127	1835	
12	184666	88.2	20	1	1016	-	-	
13	355582	97.8	20	1	1088	-	-	
14	525836	51.6	20	1	2000	-	-	
15	693368	79.2	20	3	1749	1752	1714	
16	163580	59	20	1	1142	-	-	

Bin5 Statistics 20

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	334318	69.6	8	1	1528	-	-	1
1	502582	55.8	8	3	1863	1801	1440	
2	675325	91.7	8	2	1092	1113	-	
3	142098	84.5	8	2	1877	1381	-	
4	312441	70.9	8	2	1598	1807	-	
5	483906	81.1	8	1	1817	-	-	
6	651230	84.2	8	3	1742	1851	1917	
7	121414	79.3	8	1	1480	-	-	
8	291823	80	8	2	1345	1173	-	
9	462761	66.9	8	1	1986	-	-	
10	634239	87.7	8	1	1141	-	-	
11	100385	89.6	8	1	1376	-	-	
12	271205	65.6	8	1	1493	-	-	
13	440894	80.7	8	2	1670	1652	-	
14	610199	73.5	8	3	1482	1182	1909	
15	79290	65.1	8	1	1808	-	-	
16	249473	92.6	8	2	1829	1606	-	

Bin5 Statistics 21

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	356526	61.3	16	2	1689	1793	-	1
1	502812	65.7	16	1	1564	-	-	
2	49555	84.9	16	1	1093	-	-	
3	193604	68.8	16	3	1885	1279	1632	
4	339654	55.8	16	1	1812	-	-	
5	483943	77.9	16	2	1743	1044	-	
6	31566	73.7	16	2	1434	1484	-	
7	176903	62.7	16	1	1139	-	-	
8	321704	65.1	16	1	1959	-	-	
9	466341	60.6	16	2	1155	1325	-	
10	13720	71.3	16	2	1722	1577	-	
11	159010	63.3	16	1	1146	-	-	
12	303218	85.8	16	2	1806	1373	-	
13	449188	85.4	16	1	1552	-	-	
14	593964	89.9	16	1	1920	-	-	
15	140746	77.2	16	2	1361	1374	-	
16	285465	82.8	16	2	1218	1802	-	
17	431087	74.3	16	1	1861	-	-	
18	573536	89.1	16	3	1492	1924	1163	
19	122530	78	16	3	1284	1972	1291	

Bin5 Statistics 22

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	595669	74.4	14	3	1411	1880	1334	1
1	918054	60.4	14	3	1605	1407	1424	
2	1243122	64.9	14	1	1469	-	-	
3	233803	96.2	14	3	1587	1383	1192	
4	557415	97.7	14	1	1184	-	-	
5	879541	81.7	14	2	1118	1521	-	
6	1202085	86.7	14	2	1193	1658	-	
7	194432	87.8	14	1	1852	-	-	
8	516310	88.2	14	3	1753	1509	1287	

Bin5 Statistics 23

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	754451	54.5	11	3	1352	1618	1556	1
1	1047293	58.1	11	1	1204	-	-	
2	139239	55.1	11	1	1243	-	-	
3	429546	56.1	11	2	1045	1394	-	
4	719550	95.6	11	2	1978	1196	-	
5	1009868	86.5	11	2	1324	1792	-	
6	103208	86	11	3	1612	1039	1121	
7	393630	94.4	11	2	1821	1043	-	
8	683971	90.3	11	2	1574	1294	-	
9	972858	63.8	11	3	1455	1842	1359	

Bin5 Statistics 24

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	56316	77.9	10	1	1557	-	-	1
1	298349	67.9	10	1	1961	-	-	
2	540576	71.8	10	1	1646	-	-	
3	781635	55.7	10	2	1840	1174	-	
4	26398	70.5	10	3	1604	1555	1791	
5	268749	62.9	10	1	1161	-	-	
6	509168	66	10	3	1638	1488	1613	
7	752646	94.2	10	1	1960	-	-	
8	995471	81.6	10	1	1188	-	-	
9	237957	97.9	10	3	1416	1930	1797	
10	480140	62.3	10	2	1679	1596	-	
11	720893	82.9	10	3	1116	1637	1882	

Bin5 Statistics 25

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	643380	56.3	5	1	1180	-	-	1
1	138631	84.5	5	3	1262	1982	1109	
2	299591	87.1	5	2	1694	1933	-	
3	459504	68.2	5	3	1151	1828	1937	
4	619535	50.9	5	3	1936	1671	1804	
5	118757	50.7	5	3	1910	1032	1896	
6	279993	88.7	5	2	1486	1643	-	
7	440463	71.1	5	2	1913	1907	-	
8	601577	74.1	5	2	1718	1713	-	
9	99485	91.3	5	1	1497	-	-	
10	260781	86	5	1	1572	-	-	
11	421198	74.5	5	2	1724	1249	-	
12	583458	60.5	5	1	1499	-	-	
13	79655	52.5	5	1	1157	-	-	
14	240573	66.1	5	2	1090	1415	-	
15	400888	57.2	5	2	1870	1901	-	
16	561127	90.3	5	3	1647	1399	1355	
17	59605	98.9	5	2	1969	1064	-	

Bin5 Statistics 26

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	398394	53.8	9	1	1269	-	-	1
1	689014	82.9	9	1	1461	-	-	
2	980046	92.6	9	1	1035	-	-	
3	71786	60.5	9	2	1309	1074	-	
4	361367	61.1	9	3	1855	1595	1838	
5	652414	60	9	2	1004	1915	-	
6	942617	52.6	9	2	1222	1857	-	
7	36034	54.6	9	1	1502	-	-	
8	326186	94.5	9	2	1894	1524	-	
9	616684	83.3	9	2	1296	1560	-	

Bin5 Statistics 27

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	502590	81.7	5	2	1848	1475	-	1
1	128	87.5	5	2	1379	1303	-	
2	161185	55	5	2	1535	1065	-	
3	322403	90	5	2	1232	1037	-	
4	483917	75.9	5	1	1751	-	-	
5	645334	71.7	5	1	1592	-	-	
6	140884	51.7	5	3	1798	1836	1138	
7	302983	70.7	5	1	1327	-	-	
8	463988	69	5	1	1844	-	-	
9	623232	77.3	5	3	1368	1390	1209	
10	121383	85.6	5	2	1979	1301	-	
11	282110	85.3	5	3	1158	1251	1261	
12	444248	55.6	5	1	1663	-	-	
13	605565	69.2	5	1	1627	-	-	
14	101842	89.7	5	1	1474	-	-	
15	263064	86.6	5	1	1747	-	-	
16	422758	82	5	3	1011	1919	1277	
17	583183	97.3	5	3	1729	1241	1512	

Bin5 Statistics 28

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	134195	95.3	5	1	1900	-	-	1
1	398107	68	5	2	1115	1349	-	
2	661207	96.9	5	3	1314	1154	1447	
3	926907	58.7	5	1	1483	-	-	
4	101744	53.9	5	1	1017	-	-	
5	365673	82.7	5	2	1191	1029	-	
6	629194	94	5	2	1958	1162	-	
7	892611	79.5	5	2	1908	1706	-	
8	68967	90.3	5	3	1531	1800	1095	
9	332593	95.9	5	3	1853	1046	1137	
10	597448	73.4	5	1	1750	-	-	

Bin5 Statistics 29

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	524021	77.1	7	3	1494	1602	1152	1
1	22364	65.6	7	1	1143	-	-	
2	182876	96.3	7	3	1696	1585	1117	
3	344167	56.2	7	2	1149	1957	-	
4	504109	55.4	7	3	1498	1449	1463	
5	2466	89.4	7	3	1744	1893	1649	
6	163047	86.7	7	3	1389	1404	1784	
7	324272	86.3	7	2	1554	1698	-	
8	483887	96.1	7	3	1788	1990	1230	
9	647576	98.7	7	1	1705	-	-	
10	143301	88.8	7	3	1516	1444	1460	
11	305193	50.7	7	1	1640	-	-	
12	466540	95.5	7	1	1558	-	-	
13	626961	88.2	7	2	1322	1178	-	
14	124151	62.9	7	1	1023	-	-	
15	285419	63.3	7	1	1421	-	-	
16	446476	68.5	7	1	1847	-	-	
17	605529	77.2	7	3	1468	1730	1042	

Bin5 Statistics 30

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	98123	73.4	19	3	1454	1980	1709	
1	251311	70.9	19	1	1993	-	-	
2	402944	74.5	19	2	1664	1984	-	
3	555042	78.1	19	2	1892	1976	-	
4	79738	55.3	19	2	1223	1326	-	
5	232856	59.3	19	1	1036	-	-	
6	383641	76.5	19	3	1056	1773	1708	
7	534959	86.4	19	3	1955	1665	1805	
8	61081	72.9	19	1	1156	-	-	
9	213407	83.6	19	2	1219	1621	-	1
10	365420	72.3	19	3	1124	1186	1347	
11	516830	96	19	3	1992	1529	1205	
12	41972	96.4	19	3	1953	1777	1536	
13	194582	81.5	19	2	1073	1902	-	
14	346048	55.9	19	3	1941	1402	1425	
15	500429	97.4	19	1	1799	-	-	
16	23341	92	19	2	1695	1437	-	
17	175780	61.7	19	2	1782	1276	-	
18	327848	89.3	19	3	1185	1248	1329	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence				
1	5500.0	9	1.0	333	1	5697	5409	5292	5471	5682
						5472	5629	5710	5714	5516
						5372	5555	5293	5417	5540
						5404	5584	5508	5368	5724
						5603	5709	5314	5659	5373
						5569	5504	5591	5609	5439
						5604	5562	5260	5393	5307
						5261	5431	5545	5618	5492
						5452	5306	5598	5637	5620
						5719	5399	5440	5477	5378
						5356	5647	5474	5441	5522
						5325	5537	5559	5628	5375
						5466	5327	5590	5340	5646
						5407	5397	5347	5670	5500
						5688	5572	5482	5498	5653
						5369	5575	5355	5401	5479
						5311	5595	5640	5720	5641
						5596	5329	5546	5597	5642
						5493	5250	5326	5547	5699
						5252	5343	5532	5700	5422
						(number of hits: 6)				
2	5500.0	9	1.0	333	1	5357	5450	5723	5664	5278
						5597	5449	5373	5684	5274
						5515	5634	5594	5543	5341
						5614	5451	5367	5577	5492
						5353	5259	5696	5356	5620
						5656	5345	5429	5615	5471
						5539	5435	5609	5689	5528
						5595	5419	5319	5394	5488
						5271	5628	5629	5486	5439
						5598	5267	5447	5638	5704
						5650	5677	5591	5602	5514
						5348	5576	5714	5391	5444
						5599	5270	5483	5560	5460
						5330	5372	5630	5362	5445
						5382	5320	5339	5547	5452
						5264	5369	5261	5623	5516
						5258	5643	5569	5257	5522
						5430	5366	5527	5275	5297

						5711	5416	5276	5359	5476
						5459	5335	5509	5518	5607
						(number of hits: 1)				
3	5500.0	9	1.0	333	1	5612	5689	5659	5350	5595
						5639	5374	5448	5372	5481
						5349	5423	5635	5263	5362
						5702	5578	5470	5525	5684
						5361	5425	5637	5445	5593
						5544	5672	5632	5341	5505
						5581	5324	5566	5429	5680
						5415	5558	5410	5665	5660
						5564	5334	5424	5679	5671
						5427	5721	5287	5703	5467
						5303	5565	5437	5302	5561
						5482	5301	5314	5357	5625
						5456	5308	5294	5394	5418
						5530	5609	5274	5619	5438
						5560	5588	5723	5695	5592
						5636	5304	5624	5461	5582
						5513	5686	5493	5363	5722
						5653	5614	5296	5443	5457
						5370	5524	5557	5641	5465
						5369	5299	5618	5535	5662
						(number of hits: 2)				
4	5500.0	9	1.0	333	1	5392	5453	5595	5511	5340
						5303	5396	5523	5535	5310
						5280	5687	5676	5458	5383
						5693	5608	5573	5570	5401
						5369	5591	5675	5437	5566
						5335	5621	5360	5445	5539
						5720	5688	5644	5454	5613
						5600	5501	5461	5416	5671
						5403	5417	5362	5347	5592
						5503	5407	5426	5723	5281
						5354	5343	5479	5519	5623
						5505	5670	5255	5286	5328
						5721	5315	5317	5379	5351
						5495	5404	5552	5313	5424
						5563	5699	5654	5561	5447
						5605	5616	5692	5294	5375
						5653	5442	5456	5259	5635
						5325	5421	5297	5377	5331
						5471	5306	5656	5252	5649

						5717	5664	5274	5553	5449
						(number of hits: 4)				
5	5500.0	9	1.0	333	1	5550	5692	5531	5672	5657
						5345	5321	5501	5698	5517
						5589	5573	5717	5653	5404
						5306	5260	5579	5615	5593
						5377	5660	5616	5526	5539
						5473	5563	5549	5287	5674
						5480	5384	5606	5433	5264
						5689	5257	5569	5585	5500
						5300	5587	5432	5290	5509
						5334	5619	5694	5655	5570
						5712	5423	5352	5383	5684
						5597	5580	5299	5375	5262
						5440	5680	5297	5318	5292
						5393	5572	5296	5355	5385
						5507	5663	5664	5675	5516
						5401	5590	5586	5327	5716
						5357	5259	5556	5395	5319
						5545	5575	5496	5477	5340
						5441	5666	5648	5647	5532
						5552	5582	5413	5530	5418
						(number of hits: 4)				
6	5500.0	9	1.0	333	1	5330	5456	5467	5261	5402
						5387	5343	5576	5289	5724
						5520	5362	5283	5373	5425
						5394	5682	5563	5310	5288
						5351	5557	5518	5512	5489
						5325	5669	5653	5607	5329
						5340	5502	5380	5253	5403
						5305	5625	5344	5499	5556
						5583	5713	5352	5683	5264
						5270	5592	5364	5290	5506
						5473	5356	5621	5326	5721
						5296	5571	5638	5312	5399
						5504	5645	5272	5718	5519
						5716	5429	5404	5566	5536
						5554	5493	5666	5513	5651
						5475	5424	5636	5567	5331
						5606	5304	5354	5454	5459
						5712	5282	5447	5633	5426
						5318	5395	5661	5580	5277
						5323	5632	5545	5414	5655
						(number of hits: 5)				
7	5500.0	9	1.0	333	1	5585	5695	5403	5422	5719

						5429	5268	5651	5452	5456
						5451	5626	5324	5471	5446
						5482	5514	5310	5608	5502
						5296	5420	5595	5607	5485
						5377	5274	5397	5379	5641
						5468	5549	5297	5717	5532
						5542	5396	5421	5497	5510
						5395	5288	5495	5680	5668
						5250	5675	5325	5343	5349
						5672	5415	5447	5618	5284
						5592	5596	5619	5633	5335
						5724	5579	5286	5342	5287
						5368	5614	5458	5339	5479
						5669	5362	5627	5434	5544
						5304	5548	5450	5587	5295
						5367	5254	5649	5459	5554
						5639	5598	5380	5566	5593
						5351	5586	5311	5385	5700
						5407	5713	5443	5393	5283
						(number of hits: 3)				
8	5500.0	9	1.0	333	1	5365	5459	5436	5583	5464
						5568	5290	5251	5615	5285
						5415	5666	5467	5473	5641
						5413	5653	5694	5304	5586
						5536	5599	5458	5265	5601
						5600	5483	5675	5510	5438
						5254	5457	5306	5271	5584
						5487	5692	5650	5424	5331
						5371	5492	5260	5677	5597
						5705	5283	5383	5396	5658
						5700	5708	5723	5270	5562
						5472	5546	5590	5287	5500
						5669	5411	5255	5707	5543
						5711	5404	5446	5253	5617
						5698	5465	5294	5686	5603
						5393	5718	5664	5350	5529
						5674	5560	5368	5527	5369
						5362	5493	5305	5259	5466
						5431	5717	5516	5592	5345
						5494	5339	5462	5697	5372
						(number of hits: 4)				
9	5500.0	9	1.0	333	1	5620	5320	5372	5269	5306
						5610	5690	5326	5303	5492

						5691	5679	5503	5386	5488
						5561	5671	5516	5698	5508
						5655	5477	5688	5431	5531
						5550	5328	5587	5709	5552
						5327	5686	5672	5458	5469
						5723	5578	5585	5425	5338
						5645	5454	5430	5500	5674
						5429	5685	5366	5441	5449
						5448	5479	5409	5299	5568
						5660	5407	5319	5665	5614
						5718	5653	5440	5656	5523
						5420	5392	5548	5297	5438
						5482	5352	5590	5309	5493
						5510	5354	5573	5624	5623
						5564	5265	5335	5268	5451
						5385	5490	5611	5681	5598
						5282	5347	5603	5356	5517
						5336	5254	5489	5521	5696
						(number of hits: 5)				
10	5500.0	9	1.0	333	1	5303	5559	5308	5430	5526
						5652	5712	5401	5466	5699
						5622	5565	5544	5581	5509
						5649	5323	5522	5646	5700
						5698	5346	5418	5680	5404
						5419	5402	5531	5691	5268
						5594	5313	5643	5315	5707
						5289	5387	5669	5381	5578
						5349	5484	5537	5368	5265
						5671	5358	5665	5449	5499
						5502	5335	5355	5585	5350
						5304	5391	5353	5276	5454
						5597	5528	5532	5448	5656
						5647	5479	5599	5567	5609
						5379	5488	5415	5464	5534
						5397	5287	5458	5311	5429
						5539	5491	5606	5683	5405
						5690	5653	5720	5274	5328
						5299	5436	5263	5431	5371
						5604	5316	5607	5615	5373
						(number of hits: 2)				
11	5500.0	9	1.0	333	0					
12	5500.0	9	1.0	333	1	5338	5562	5655	5277	5588
						5358	5659	5551	5695	5260
						5387	5618	5626	5399	5253

						5577	5261	5609	5617	5581
						5397	5286	5350	5573	5678
						5365	5521	5336	5300	5566
						5557	5270	5633	5307	5568
						5473	5448	5506	5652	5259
						5325	5719	5648	5287	5594
						5528	5615	5518	5511	5487
						5582	5462	5452	5482	5415
						5619	5362	5405	5544	5377
						5706	5685	5546	5311	5703
						5591	5507	5354	5530	5682
						5705	5500	5460	5410	5704
						5400	5572	5550	5635	5331
						5442	5543	5401	5296	5433
						5351	5455	5607	5441	5284
						5449	5701	5713	5274	5407
						5255	5505	5569	5323	5262
						(number of hits: 4)				
13	5500.0	9	1.0	333	1	5593	5326	5591	5438	5430
						5400	5584	5626	5383	5467
						5318	5407	5667	5594	5572
						5341	5704	5356	5306	5625
						5650	5338	5375	5323	5364
						5530	5568	5370	5342	5552
						5514	5485	5310	5602	5707
						5564	5659	5663	5573	5408
						5657	5413	5284	5523	5508
						5698	5576	5277	5361	5638
						5503	5668	5713	5466	5365
						5316	5595	5363	5348	5360
						5491	5618	5529	5534	5317
						5456	5390	5265	5372	5399
						5589	5309	5386	5369	5692
						5396	5531	5412	5441	5464
						5614	5546	5314	5550	5475
						5395	5532	5647	5391	5719
						5699	5631	5521	5262	5336
						5403	5451	5329	5460	5504
						(number of hits: 3)				
14	5500.0	9	1.0	333	1	5276	5565	5527	5502	5650
						5442	5606	5701	5546	5296
						5627	5671	5708	5314	5593
						5429	5259	5459	5254	5518
						5633	5341	5376	5367	5252

						5479	5404	5481	5441	5471
						5603	5559	5325	5371	5655
						5612	5337	5577	5412	5588
						5595	5653	5281	5355	5488
						5306	5537	5617	5639	5712
						5339	5554	5282	5536	5410
						5553	5270	5310	5560	5319
						5489	5540	5533	5450	5615
						5405	5426	5572	5264	5288
						5575	5362	5622	5716	5539
						5512	5664	5454	5299	5611
						5686	5449	5689	5374	5267
						5440	5446	5305	5370	5556
						5250	5258	5513	5538	5317
						5320	5301	5430	5432	5280
						number of hits: 1)				
15	5500.0	9	1.0	333	1	5531	5329	5463	5663	5492
						5484	5301	5612	5503	5558
						5557	5274	5509	5614	5517
						5386	5465	5299	5710	5544
						5507	5317	5456	5269	5615
						5331	5499	5455	5341	5523
						5330	5428	5343	5711	5620
						5413	5271	5408	5587	5491
						5251	5671	5436	5321	5278
						5284	5468	5389	5595	5670
						5429	5588	5515	5605	5371
						5262	5257	5266	5602	5500
						5379	5668	5521	5705	5478
						5354	5365	5307	5534	5566
						5640	5561	5606	5385	5716
						5581	5685	5360	5585	5493
						5344	5564	5260	5687	5608
						5352	5337	5459	5308	5400
						5553	5665	5721	5353	5298
						5555	5372	5304	5296	5312
						(number of hits: 6)				
16	5500.0	9	1.0	333	1	5311	5568	5399	5349	5712
						5623	5553	5376	5300	5710
						5392	5346	5315	5704	5635
						5508	5513	5344	5427	5552
						5576	5258	5448	5717	5406
						5658	5605	5559	5375	5565
						5316	5385	5558	5485	5343

						5459	5301	5265	5502	5279
						5374	5561	5275	5591	5472
						5653	5723	5464	5691	5656
						5460	5560	5676	5357	5556
						5690	5673	5639	5650	5395
						5423	5686	5579	5469	5542
						5303	5401	5614	5329	5272
						5547	5609	5709	5692	5540
						5557	5480	5253	5474	5596
						5674	5516	5627	5698	5352
						5470	5397	5554	5273	5354
						5388	5411	5359	5655	5600
						5572	5669	5291	5638	5487
						(number of hits: 2)				
17	5500.0	9	1.0	333	1	5566	5332	5335	5510	5554
						5665	5478	5451	5463	5539
						5323	5610	5453	5327	5656
						5596	5640	5671	5389	5716
						5560	5267	5296	5537	5690
						5294	5607	5333	5663	5409
						5704	5680	5342	5298	5637
						5638	5691	5550	5572	5418
						5416	5501	5362	5312	5326
						5369	5520	5428	5555	5614
						5301	5581	5718	5392	5707
						5646	5383	5523	5545	5405
						5492	5304	5368	5518	5502
						5415	5365	5252	5437	5349
						5696	5309	5630	5709	5558
						5668	5499	5526	5600	5299
						5455	5373	5687	5297	5316
						5338	5505	5255	5360	5271
						5616	5477	5683	5576	5263
						5440	5686	5482	5567	5270
						(number of hits: 5)				
18	5500.0	9	1.0	333	1	5724	5571	5271	5671	5299
						5707	5500	5526	5626	5254
						5399	5494	5522	5677	5684
						5292	5337	5433	5471	5336
						5712	5529	5663	5560	5459
						5536	5443	5666	5416	5411
						5361	5258	5641	5368	5668
						5330	5340	5542	5250	5469

						5366	5449	5311	5638	5672
						5257	5468	5594	5568	5283
						5260	5681	5467	5464	5498
						5689	5484	5410	5350	5328
						5458	5566	5676	5376	5656
						5491	5353	5478	5616	5310
						5644	5398	5720	5442	5436
						5625	5322	5553	5383	5502
						5613	5633	5629	5420	5581
						5359	5406	5266	5371	5675
						5721	5703	5537	5465	5627
						5369	5694	5407	5447	5316
						(number of hits: 4)				
19	5500.0	9	1.0	333	1	5504	5335	5682	5357	5519
						5371	5425	5601	5692	5478
						5563	5663	5535	5717	5698
						5297	5322	5402	5382	5625
						5479	5502	5653	5618	5636
						5448	5408	5264	5493	5477
						5313	5555	5256	5631	5656
						5397	5257	5261	5346	5341
						5654	5709	5363	5281	5291
						5721	5255	5310	5258	5470
						5269	5334	5349	5407	5314
						5446	5418	5688	5508	5455
						5562	5415	5355	5279	5629
						5404	5389	5412	5488	5383
						5550	5602	5337	5634	5620
						5417	5367	5365	5432	5547
						5561	5499	5430	5633	5568
						5558	5449	5410	5498	5701
						5431	5377	5679	5720	5592
						5434	5606	5472	5405	5648
						(number of hits: 6)				
20	5500.0	9	1.0	333	1	5284	5574	5618	5518	5361
						5413	5447	5676	5380	5307
						5494	5452	5576	5437	5719
						5288	5449	5408	5427	5342
						5487	5571	5691	5610	5609
						5714	5260	5467	5597	5511
						5444	5688	5371	5337	5476
						5536	5348	5532	5499	5255
						5493	5708	5601	5474	5360

						5685	5271	5329	5363	5620
						5346	5445	5385	5438	5705
						5258	5634	5372	5403	5327
						5426	5594	5580	5300	5586
						5552	5350	5590	5351	5698
						5653	5434	5340	5483	5596
						5376	5388	5631	5495	5557
						5711	5624	5496	5625	5410
						5443	5275	5414	5364	5424
						5480	5646	5464	5262	5647
						5418	5261	5488	5575	5615
						(number of hits: 5)				
21	5500.0	9	1.0	333	1	5539	5338	5554	5582	5581
						5455	5372	5276	5543	5514
						5425	5617	5535	5265	5376
						5576	5511	5375	5534	5398
						5262	5632	5699	5602	5587
						5670	5701	5545	5494	5430
						5645	5586	5489	5674	5675
						5536	5328	5274	5644	5332
						5413	5714	5357	5517	5251
						5412	5416	5410	5600	5524
						5436	5527	5528	5580	5347
						5326	5593	5397	5723	5270
						5720	5418	5378	5393	5523
						5387	5530	5448	5615	5316
						5671	5440	5475	5335	5683
						5508	5299	5476	5334	5555
						5371	5400	5687	5493	5345
						5439	5349	5406	5370	5282
						5415	5519	5719	5286	5486
						5680	5346	5279	5702	5402
						(number of hits: 3)				
22	5500.0	9	1.0	333	1	5319	5577	5490	5268	5423
						5497	5394	5351	5706	5721
						5259	5602	5658	5255	5286
						5464	5703	5614	5420	5251
						5406	5331	5573	5691	5555
						5536	5301	5330	5579	5704
						5263	5494	5717	5627	5599
						5427	5655	5496	5477	5382
						5451	5446	5495	5332	5469
						5297	5476	5700	5487	5713
						5524	5535	5280	5308	5343

						5271	5377	5532	5287	5250
						5679	5339	5472	5265	5340
						5418	5485	5657	5443	5656
						5294	5652	5628	5345	5457
						5586	5665	5467	5372	5540
						5439	5666	5369	5562	5722
						5292	5442	5492	5617	5606
						5585	5393	5282	5483	5629
						5349	5306	5633	5690	5334
						(number of hits: 5)				
23	5500.0	9	1.0	333	1	5477	5341	5426	5429	5643
						5636	5319	5297	5453	5665
						5391	5699	5450	5307	5552
						5355	5717	5465	5443	5414
						5497	5514	5305	5528	5281
						5388	5504	5434	5613	5578
						5683	5559	5444	5415	5692
						5381	5718	5492	5580	5569
						5582	5579	5318	5622	5448
						5375	5686	5293	5522	5562
						5352	5401	5538	5327	5371
						5626	5709	5498	5637	5506
						5697	5707	5557	5602	5285
						5340	5421	5362	5572	5610
						5696	5543	5408	5427	5253
						5524	5273	5488	5438	5363
						5678	5631	5435	5390	5260
						5342	5508	5279	5590	5420
						5262	5616	5651	5694	5410
						5337	5467	5527	5328	5409
						(number of hits: 6)				
24	5500.0	9	1.0	333	1	5257	5580	5362	5590	5485
						5678	5341	5501	5460	5282
						5499	5655	5265	5645	5328
						5543	5385	5345	5510	5325
						5566	5552	5297	5644	5337
						5707	5635	5647	5717	5669
						5516	5659	5664	5512	5520
						5334	5288	5355	5483	5421
						5662	5256	5387	5445	5682
						5569	5661	5351	5478	5449
						5606	5577	5589	5416	5375
						5315	5339	5663	5688	5456
						5652	5486	5428	5706	5638
						5370	5398	5307	5502	5251

						5546	5403	5687	5493	5296
						5534	5419	5615	5313	5320
						5498	5720	5447	5392	5374
						5555	5691	5306	5601	5588
						5427	5451	5425	5685	5651
						5308	5283	5701	5410	5404
						(number of hits: 5)				
25	5500.0	9	1.0	333	1	5512	5441	5298	5276	5705
						5720	5363	5576	5623	5489
						5430	5444	5403	5365	5349
						5631	5351	5458	5449	5333
						5257	5493	5386	5474	5435
						5664	5264	5681	5284	5558
						5473	5399	5341	5710	5562
						5425	5559	5508	5494	5260
						5367	5669	5627	5442	5611
						5549	5269	5409	5531	5714
						5482	5278	5640	5505	5673
						5637	5527	5617	5306	5653
						5659	5289	5552	5694	5318
						5274	5364	5319	5337	5614
						5297	5302	5323	5712	5581
						5379	5646	5416	5677	5400
						5392	5326	5445	5484	5658
						5384	5272	5452	5566	5423
						5464	5280	5471	5607	5622
						5630	5340	5447	5532	5615
						(number of hits: 4)				
26	5500.0	9	1.0	333	1	5292	5680	5709	5437	5547
						5287	5288	5651	5311	5696
						5361	5330	5444	5463	5370
						5719	5639	5454	5503	5641
						5341	5423	5434	5378	5447
						5323	5516	5638	5368	5715
						5326	5430	5517	5590	5530
						5701	5452	5661	5408	5671
						5450	5607	5295	5439	5443
						5529	5352	5584	5601	5358
						5691	5496	5581	5571	5472
						5533	5321	5717	5625	5652
						5695	5662	5268	5373	5349
						5567	5483	5395	5698	5649
						5258	5605	5334	5536	5723
						5381	5436	5551	5721	5467
						5623	5606	5415	5388	5379

						5712	5478	5636	5613	5656
						5512	5449	5558	5502	5546
						5718	5572	5498	5707	5509
						(number of hits: 4)				
27	5500.0	9	1.0	333	1	5450	5444	5645	5598	5292
						5426	5310	5251	5377	5525
						5670	5594	5485	5658	5391
						5332	5291	5557	5548	5358
						5252	5492	5472	5467	5420
						5589	5465	5269	5274	5433
						5387	5257	5267	5350	5365
						5704	5723	5339	5322	5510
						5533	5545	5535	5372	5509
						5435	5428	5637	5709	5630
						5305	5697	5686	5504	5407
						5584	5457	5478	5641	5388
						5692	5409	5656	5459	5286
						5564	5684	5652	5657	5681
						5362	5324	5546	5482	5715
						5309	5378	5662	5526	5475
						5256	5430	5676	5326	5619
						5593	5297	5461	5575	5500
						5691	5346	5392	5496	5255
						5360	5460	5338	5333	5385
						(number of hits: 4)				
28	5500.0	9	1.0	333	1	5705	5683	5581	5284	5609
						5468	5710	5326	5540	5257
						5601	5383	5526	5378	5412
						5323	5418	5660	5593	5550
						5260	5658	5413	5459	5393
						5477	5317	5472	5673	5308
						5507	5322	5344	5516	5548
						5504	5320	5519	5589	5711
						5349	5616	5483	5300	5530
						5301	5489	5518	5486	5690
						5278	5488	5331	5318	5394
						5520	5372	5382	5401	5475
						5579	5572	5529	5289	5684
						5686	5641	5348	5391	5254
						5564	5636	5292	5277	5506
						5685	5523	5650	5437	5343
						5576	5559	5263	5404	5387
						5438	5570	5696	5384	5258
						5496	5491	5625	5627	5654
						5592	5612	5449	5590	5591
						(number of hits: 4)				

29	5500.0	9	1.0	333	1	5485 5447 5517 5348 5354 5510 5257 5401 5703 5464 5532 5647 5567 5573 5433 5411 5448 5288 5541 5267 5268 5252 5548 5366 5365 5266 5675 5302 5342 5549 5308 5301 5687 5668 5368 5546 5315 5722 5663 5321 5421 5443 5527 5608 5469 5601 5543 5364 5507 5369 5483 5343 5694 5707 5336 5591 5307 5446 5708 5262 5571 5693 5702 5630 5412 5590 5384 5698 5621 5367 5330 5278 5280 5355 5661 5482 5619 5324 5580 5353 5669 5519 5568 5275 5674 5429 5326 5498 5665 5564 5338 5506 5656 5253 5536 5679 5609 5667 5565 5487 (number of hits: 3)
30	5500.0	9	1.0	333	1	5265 5686 5453 5509 5671 5552 5657 5476 5391 5293 5366 5436 5608 5454 5499 5575 5294 5586 5459 5654 5418 5392 5637 5339 5631 5593 5403 5406 5376 5688 5672 5258 5330 5442 5566 5685 5502 5683 5420 5636 5404 5359 5524 5537 5449 5684 5505 5321 5430 5715 5669 5641 5638 5290 5306 5601 5320 5362 5427 5516 5525 5528 5576 5710 5539 5323 5433 5416 5645 5402 5264 5380 5679 5441 5491 5444 5723 5605 5304 5300 5635 5595 5272 5394 5332 5643 5461 5382 5529 5389 5514 5346 5259 5598 5691 5722 5549 5385 5365 5655 (number of hits: 3)

AP Mode

Cobalt Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	90.8 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	76	1.0	698	1
2	86	1.0	618	1
3	95	1.0	558	1
4	74	1.0	718	0
5	58	1.0	918	1
6	83	1.0	638	1
7	59	1.0	898	1
8	72	1.0	738	1
9	78	1.0	678	1
10	57	1.0	938	1
11	18	1.0	3066	1
12	63	1.0	838	1
13	68	1.0	778	1
14	61	1.0	878	1
15	81	1.0	658	1
16	36	1.0	1479	1
17	27	1.0	2006	1
18	20	1.0	2769	1
19	26	1.0	2046	1
20	62	1.0	852	1
21	47	1.0	1145	1
22	29	1.0	1872	1
23	56	1.0	954	1
24	45	1.0	1181	1
25	20	1.0	2658	1
26	36	1.0	1506	1
27	41	1.0	1309	1
28	47	1.0	1135	1
29	21	1.0	2550	1
30	36	1.0	1496	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	1.8	212	1
2	23	1	184	1
3	26	3.7	186	1
4	28	4.4	220	1
5	27	2.1	203	0
6	26	3.2	228	0
7	25	4.3	191	1
8	29	5	230	1
9	23	1.7	164	1
10	27	2.1	215	1
11	23	2.3	172	1
12	24	4.7	163	1
13	25	1.2	221	1
14	29	2.5	173	1
15	27	4.3	201	1
16	27	3.3	185	1
17	24	2.9	227	1
18	27	1.9	197	1
19	27	4.8	179	1
20	27	4.8	211	1
21	29	1.5	158	1
22	23	1.1	166	1
23	24	4.2	224	1
24	25	4.6	210	1
25	28	1.3	225	1
26	24	3.7	194	1
27	28	2.2	170	1
28	25	4.9	213	1
29	28	2.8	202	1
30	29	4.2	180	1
Detection Percentage: 93.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.8	211	0
2	16	7.8	480	1
3	17	9	363	1
4	18	9.3	324	1
5	17	6.3	313	0
6	17	8.7	329	1
7	17	8.8	330	1
8	18	9.1	339	1
9	16	8	258	0
10	17	9.2	351	1
11	16	8.3	340	1
12	16	7.3	414	1
13	16	6.4	238	1
14	18	8.2	490	1
15	18	8.9	354	1
16	17	7.2	292	1
17	16	6.2	221	1
18	17	8.9	294	1
19	18	7.6	278	1
20	18	6.7	356	1
21	18	7.7	345	1
22	16	9.6	456	1
23	16	7.3	344	1
24	17	10	244	1
25	18	9.3	372	1
26	16	8.4	266	1
27	18	7.6	206	1
28	16	9.5	228	1
29	18	9.6	251	1
30	18	7.4	205	1
Detection Percentage: 90 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	18.6	324	1
2	12	18.8	312	0
3	14	12.3	207	1
4	15	13.4	346	1
5	15	15.8	236	1
6	14	13.8	232	1
7	13	17.4	250	0
8	16	18.4	389	1
9	12	15.1	442	1
10	15	15.7	494	1
11	12	16.3	457	1
12	13	17.9	327	1
13	13	11	381	1
14	16	14.1	445	1
15	15	11.1	235	1
16	15	12.5	248	0
17	13	14.2	463	1
18	15	18.4	426	0
19	15	15.9	231	1
20	15	15.1	379	1
21	16	11.8	309	1
22	12	11.3	299	1
23	12	18.4	475	1
24	13	15.2	275	1
25	15	17.2	377	0
26	12	20	292	1
27	15	19.1	256	1
28	13	11.8	244	1
29	16	19.5	279	1
30	16	12.3	484	1
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5494.0	1
12	5494.0	1
13	5499.0	1
14	5499.0	1
15	5500.0	1
16	5499.0	1
17	5498.0	1
18	5497.0	1
19	5495.0	1
20	5498.0	1
21	5520.0	1
22	5522.0	1
23	5522.0	1
24	5525.0	1
25	5524.0	1
26	5525.0	1
27	5524.0	1
28	5523.0	1
29	5520.0	1
30	5523.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	486474	84.7	20	1	1016	-	-	1
1	750183	92.4	20	1	1923	-	-	
2	1013359	95.6	20	2	1304	1625	-	
3	188898	59.4	20	3	1311	1865	1765	
4	453403	76.9	20	2	1203	1041	-	
5	716967	77.9	20	2	1331	1628	-	
6	980127	79.6	20	2	1962	1776	-	
7	156482	87.9	20	3	1591	1353	1811	
8	421296	62.8	20	1	1167	-	-	
9	684279	56.1	20	2	1340	1916	-	
10	949229	90.6	20	1	1925	-	-	

Bin5 Statistics 2

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	152074	53.1	6	1	1631	-	-	1
1	475131	75	6	1	1416	-	-	
2	795986	97.5	6	3	1941	1612	1496	
3	1119042	88.5	6	3	1217	1081	1675	
4	112182	50.2	6	2	1190	1726	-	
5	435362	71.2	6	1	1350	-	-	
6	757647	76.8	6	2	1207	1483	-	
7	1079004	90.8	6	3	1514	1031	1828	
8	72372	86.4	6	3	1366	1164	1572	

Bin5 Statistics 3

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	252915	95.2	20	3	1952	1903	1660	1
1	461423	94	20	1	1880	-	-	
2	669456	80.7	20	1	1106	-	-	
3	21003	54.8	20	2	1133	1280	-	
4	227673	97.9	20	3	1975	1074	1719	
5	435943	71.4	20	1	1741	-	-	
6	641512	93.2	20	3	1284	1334	1640	
7	851100	67.6	20	1	1507	-	-	
8	202285	92.5	20	3	1618	1013	1817	
9	408770	56.8	20	3	1901	1684	1530	
10	616426	62.4	20	2	1853	1860	-	
11	822483	86.1	20	3	1531	1558	1584	
12	176915	54.7	20	3	1293	1077	1575	
13	385061	83.7	20	1	1236	-	-	

Bin5 Statistics 4

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	458787	94.7	14	3	1054	1429	1597	1
1	618893	69.4	14	3	1226	1730	1758	
2	117578	96.2	14	3	1061	1506	1616	
3	279203	58.6	14	1	1919	-	-	
4	439494	72	14	2	1955	1369	-	
5	600785	95.8	14	2	1260	1611	-	
6	98231	66.6	14	1	1176	-	-	
7	258607	92.7	14	3	1297	1096	1415	
8	418690	92.9	14	3	1815	1551	1518	
9	580569	63.6	14	2	1890	1422	-	
10	78211	60.9	14	2	1303	1053	-	
11	238233	54.8	14	3	1602	1803	1989	
12	399103	53.3	14	3	1087	1653	1840	
13	560821	77.3	14	2	1665	1565	-	
14	58424	50.4	14	1	1689	-	-	
15	219179	52	14	2	1361	1912	-	
16	379907	64.8	14	2	1751	1810	-	
17	542405	68.3	14	1	1509	-	-	

Bin5 Statistics 5

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	43304	78	7	2	1454	1711	-	1
1	223783	92.3	7	3	1767	1830	1737	
2	405353	67.8	7	2	1922	1635	-	
3	587974	90.7	7	1	1540	-	-	
4	20979	61.7	7	3	1450	1070	1160	
5	202527	90.8	7	1	1676	-	-	
6	382198	61.5	7	3	1505	1913	1806	
7	564029	55.5	7	2	1680	1958	-	
8	746155	84.8	7	2	1461	1065	-	
9	180314	61.9	7	1	1083	-	-	
10	361722	95.5	7	1	1555	-	-	
11	543429	55.9	7	1	1299	-	-	
12	724829	93.7	7	1	1489	-	-	
13	157760	54.4	7	1	1938	-	-	
14	338845	98.4	7	2	1186	1511	-	
15	521057	91.4	7	1	1306	-	-	

Bin5 Statistics 6

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	861810	52.8	8	3	1809	1123	1847	1
1	166196	69	8	3	1821	1202	1935	
2	389287	54	8	3	1168	1011	1792	
3	613998	62.5	8	1	1270	-	-	
4	837362	54.8	8	1	1493	-	-	
5	139303	95.1	8	1	1417	-	-	
6	361961	69.8	8	2	1654	1982	-	
7	584799	52.5	8	3	1485	1046	1349	
8	808597	51.1	8	2	1389	1508	-	
9	111374	67	8	3	1937	1528	1206	
10	334133	94	8	3	1623	1146	1857	
11	558771	93.1	8	1	1517	-	-	
12	781136	68.1	8	2	1561	1302	-	

Bin5 Statistics 7

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	91270	65.9	16	1	1370	-	-	1
1	333541	67.2	16	1	1155	-	-	
2	574615	90.4	16	2	1357	1839	-	
3	817086	92	16	2	1212	1112	-	
4	61303	94.1	16	2	1756	1781	-	
5	303001	58.1	16	2	1790	1666	-	
6	546003	62.5	16	1	1062	-	-	
7	786902	65.8	16	2	1367	1437	-	
8	31504	53.9	16	3	1647	1128	1703	
9	272742	57.7	16	3	1718	1764	1755	
10	514796	55.4	16	3	1214	1301	1188	
11	758014	97.1	16	1	1615	-	-	

Bin5 Statistics 8

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1060	66.4	8	1	1948	-	-	1
1	145606	60.9	8	3	1312	1275	1409	
2	291521	54.7	8	1	1191	-	-	
3	434808	97.2	8	3	1300	1005	1550	
4	580229	86.9	8	2	1143	1851	-	
5	128309	70	8	1	1626	-	-	
6	273586	56.4	8	1	1292	-	-	
7	418597	56.4	8	1	1570	-	-	
8	562925	61.9	8	2	1335	1095	-	
9	110209	74.4	8	2	1375	1466	-	
10	255008	81.4	8	2	1841	1072	-	
11	399850	98	8	2	1229	1639	-	
12	545712	52.2	8	1	1729	-	-	
13	92527	63.5	8	1	1816	-	-	
14	237615	83	8	1	1793	-	-	
15	382650	72.4	8	1	1870	-	-	
16	527380	65.3	8	2	1194	1056	-	
17	74223	89.6	8	3	1904	1895	1499	
18	219863	94.7	8	1	1469	-	-	
19	364843	96.8	8	1	1768	-	-	

Bin5 Statistics 9

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1132811	68.5	11	3	1391	1104	1873	1
1	126193	87.5	11	3	1067	1432	1532	
2	449502	68.8	11	1	1330	-	-	
3	770400	94.7	11	3	1426	1739	1881	
4	1094625	55	11	2	1459	1066	-	
5	86467	63.9	11	3	1027	1876	1336	
6	408513	99.6	11	3	1638	1714	1868	
7	731125	96.4	11	3	1064	1747	1494	
8	1054817	85.9	11	2	1209	1380	-	

Bin5 Statistics 10

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26244	75.5	5	3	1484	1101	1503	1
1	207817	99	5	1	1690	-	-	
2	389165	61.3	5	1	1959	-	-	
3	571114	98.6	5	1	1271	-	-	
4	3973	65.5	5	1	1595	-	-	
5	185626	88.4	5	1	1025	-	-	
6	366974	84.1	5	1	1642	-	-	
7	548848	65.1	5	1	1132	-	-	
8	730087	55.3	5	1	1526	-	-	
9	162563	64.2	5	3	1197	1599	1384	
10	343805	97.1	5	2	1568	1838	-	
11	523967	87.5	5	3	1789	1725	1187	
12	704692	86.6	5	3	1386	1383	1967	
13	140753	56.1	5	1	1679	-	-	
14	320993	91.5	5	3	1491	1473	1621	
15	501967	85.8	5	3	1605	1125	1576	

Bin5 Statistics 11

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1370474	92.5	5	3	1195	1093	1048	1
1	237046	89.7	5	1	1766	-	-	
2	600721	80.6	5	1	1002	-	-	
3	963964	75.2	5	1	1487	-	-	
4	1324454	90.1	5	3	1457	1365	1991	
5	192356	50.5	5	1	1228	-	-	
6	555868	64.3	5	1	1196	-	-	
7	917216	63	5	3	1148	1911	1657	

Bin5 Statistics 12

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	931105	58.7	6	2	1970	1120	-	1
1	107225	78.6	6	1	1978	-	-	
2	371392	79	6	1	1782	-	-	
3	635262	92.2	6	2	1122	1137	-	
4	900317	60	6	1	1021	-	-	
5	74725	92.1	6	1	1529	-	-	
6	338546	73	6	2	1401	1377	-	
7	602816	70.4	6	2	1097	1023	-	
8	867198	60.1	6	1	1723	-	-	
9	42138	70.6	6	2	1182	1451	-	
10	305467	86.5	6	3	1548	1672	1589	

Bin5 Statistics 13

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	522887	75.5	18	1	1710	-	-	1
1	763974	70.1	18	2	1154	1900	-	
2	8820	99.5	18	2	1378	1468	-	
3	251006	86.8	18	1	1475	-	-	
4	491548	75.1	18	3	1268	1644	1867	
5	733115	98.9	18	3	1181	1966	1368	
6	977313	57.3	18	1	1694	-	-	
7	220831	59.9	18	2	1406	1627	-	
8	462067	75.4	18	3	1051	1399	1788	
9	703890	97.7	18	3	1000	1082	1705	
10	948004	59.3	18	1	1151	-	-	
11	190833	82	18	3	1185	1722	1241	

Bin5 Statistics 14

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	258311	81.4	17	3	1381	1877	1775	1
1	403652	77.4	17	2	1634	1858	-	
2	550381	58.8	17	1	1254	-	-	
3	96214	62.6	17	3	1560	1863	1759	
4	240781	74.2	17	3	1333	1436	1659	
5	385918	69	17	2	1601	1757	-	
6	529458	71.1	17	3	1556	1592	1520	
7	78482	95.8	17	3	1721	1393	1783	
8	223707	75	17	2	1192	1317	-	
9	369325	84.6	17	1	1362	-	-	
10	513245	98.3	17	2	1453	1385	-	
11	60962	89.9	17	2	1348	1018	-	
12	205193	86.9	17	3	1108	1787	1544	
13	351572	59.4	17	1	1139	-	-	
14	494180	91.9	17	3	1325	1407	1583	
15	42959	55	17	3	1620	1655	1162	
16	187383	63.3	17	3	1791	1261	1443	
17	333205	91.3	17	1	1994	-	-	
18	476511	76.6	17	3	1442	1541	1174	
19	25223	77.3	17	2	1894	1215	-	

Bin5 Statistics 15

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	212742	65.9	20	2	1950	1033	-	1
1	394286	69.7	20	2	1253	1030	-	
2	574688	66	20	2	1701	1807	-	
3	9251	65.7	20	2	1582	1321	-	
4	190282	93.1	20	2	1629	1915	-	
5	371153	52.9	20	3	1200	1573	1109	
6	553774	55.5	20	1	1633	-	-	
7	735290	76.3	20	1	1619	-	-	
8	167793	82.8	20	3	1198	1356	1831	
9	348735	90.6	20	3	1043	1936	1177	
10	531853	89	20	1	1019	-	-	
11	709505	65.4	20	3	1712	1883	1622	
12	146046	99.4	20	1	1681	-	-	
13	326709	96.7	20	2	1586	1986	-	
14	509297	97.7	20	1	1285	-	-	
15	690378	64.7	20	1	1833	-	-	

Bin5 Statistics 16

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	123123	51.1	17	3	1844	1281	1988	1
1	304610	79.5	17	2	1322	1760	-	
2	485262	98.8	17	3	1538	1150	1161	
3	667955	51.4	17	1	1914	-	-	
4	101069	89.1	17	2	1658	1983	-	
5	281502	74.8	17	3	1546	1774	1864	
6	464143	61.4	17	1	1961	-	-	
7	646371	90.9	17	1	1028	-	-	
8	78956	71.8	17	1	1902	-	-	
9	260503	59.5	17	1	1587	-	-	
10	441969	99.9	17	1	1667	-	-	
11	620250	65.6	17	3	1784	1740	2000	
12	56605	56.9	17	1	1928	-	-	
13	238046	52.2	17	1	1898	-	-	
14	419044	96.7	17	2	1286	1396	-	
15	600218	84.1	17	2	1569	1205	-	

Bin5 Statistics 17

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	49765	71	15	3	1114	1103	1956	
1	313133	82	15	3	1717	1173	1977	
2	577214	66	15	2	1771	1813	-	
3	841811	61.6	15	2	1346	1092	-	
4	17302	61.4	15	3	1713	1034	1269	
5	280890	93.2	15	3	1428	1145	1515	1
6	545273	69.6	15	2	1462	1039	-	
7	807680	71.3	15	3	1897	1500	1211	
8	1074641	63.4	15	1	1060	-	-	
9	248686	94.9	15	2	1024	1906	-	
10	513071	63	15	1	1836	-	-	

Bin5 Statistics 18

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	567965	84.5	12	3	1477	1614	1038	
1	760897	95.7	12	3	1445	1098	1683	
2	158368	82.9	12	2	1189	1797	-	
3	352192	90.5	12	1	1802	-	-	
4	545110	90.3	12	2	1430	1352	-	
5	737377	61.8	12	3	1345	1086	1521	
6	134561	77.2	12	2	1134	1832	-	
7	328496	53.8	12	1	1439	-	-	1
8	521155	83.9	12	2	1754	1239	-	
9	714716	92.6	12	2	1283	1419	-	
10	110792	75.2	12	2	1404	1267	-	
11	304716	88.3	12	1	1237	-	-	
12	497820	91.2	12	2	1216	1017	-	
13	691658	58.2	12	1	1825	-	-	
14	87103	75.1	12	1	1467	-	-	

Bin5 Statistics 19

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247132	93.9	8	2	1178	1849	-	1
1	418228	83.5	8	1	1963	-	-	
2	588216	53	8	2	1547	1295	-	
3	55669	89.9	8	2	1596	1435	-	
4	226719	69.3	8	1	1208	-	-	
5	396655	80.5	8	2	1259	1669	-	
6	568376	93.9	8	1	1400	-	-	
7	34619	54.8	8	3	1059	1398	1656	
8	205695	94.4	8	1	1115	-	-	
9	375882	67.3	8	2	1263	1240	-	
10	545695	80.6	8	3	1307	1040	1158	
11	13651	86	8	3	1278	1004	1974	
12	184436	53.3	8	1	1896	-	-	
13	355364	58	8	1	1522	-	-	
14	526225	59.8	8	1	1479	-	-	
15	693523	77.4	8	3	1972	1624	1463	
16	163568	88	8	1	1193	-	-	

Bin5 Statistics 20

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	334522	94.2	15	1	1099	-	-	
1	503080	61.7	15	3	1918	1413	1078	
2	673953	77	15	2	1893	1742	-	
3	142168	95.3	15	2	1472	1441	-	
4	312611	89	15	2	1664	1360	-	
5	484070	69	15	1	1578	-	-	
6	652306	59.6	15	3	1879	1394	1080	
7	121415	53.8	15	1	1474	-	-	
8	291670	79.8	15	2	1850	1037	-	1
9	463066	98.5	15	1	1523	-	-	
10	633591	62.8	15	1	1861	-	-	
11	100419	91.6	15	1	1141	-	-	
12	271330	95.8	15	1	1169	-	-	
13	441407	93.8	15	2	1179	1326	-	
14	609815	74.8	15	3	1277	1891	1846	
15	79381	53.4	15	1	1003	-	-	
16	249777	86.3	15	2	1288	1291	-	

Bin5 Statistics 21

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	356823	99.3	19	2	1581	1405	-	1
1	502873	86.2	19	1	1492	-	-	
2	49553	68.2	19	1	1118	-	-	
3	193822	73.5	19	3	1210	1152	1762	
4	339623	75.5	19	1	1866	-	-	
5	483818	82.6	19	2	1476	1465	-	
6	31560	90.6	19	2	1052	1990	-	
7	176714	90.8	19	1	1777	-	-	
8	321967	88.6	19	1	1471	-	-	
9	465877	73.2	19	2	1327	1748	-	
10	13740	59.6	19	2	1088	1344	-	
11	158863	75.8	19	1	1702	-	-	
12	303176	73.8	19	2	1709	1554	-	
13	449315	95.9	19	1	1382	-	-	
14	594806	74	19	1	1073	-	-	
15	140559	65.1	19	2	1878	1648	-	
16	285690	87.3	19	2	1116	1434	-	
17	431390	94.1	19	1	1440	-	-	
18	573665	79.4	19	3	1604	1827	1014	
19	122730	81.3	19	3	1201	1354	1020	

Bin5 Statistics 22

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	595492	79.8	14	3	1427	1608	1985	1
1	918157	54.9	14	3	1933	1079	1274	
2	1243011	64.4	14	1	1588	-	-	
3	233754	93.5	14	3	1316	1708	1418	
4	557299	86	14	1	1460	-	-	
5	879460	89.5	14	2	1225	1537	-	
6	1201404	82.1	14	2	1874	1731	-	
7	194490	81.1	14	1	1458	-	-	
8	516310	63.3	14	3	1892	1057	1600	

Bin5 Statistics 23

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	754484	98.6	15	3	1668	1670	1136	1
1	1046858	73.6	15	1	1704	-	-	
2	139157	55.8	15	1	1943	-	-	
3	429331	82.6	15	2	1909	1130	-	
4	719652	67.1	15	2	1262	1743	-	
5	1010481	58.8	15	2	1001	1388	-	
6	103081	73.6	15	3	1812	1501	1940	
7	393347	59.2	15	2	1920	1805	-	
8	683446	64.4	15	2	1814	1973	-	
9	972442	68.7	15	3	1969	1310	1888	

Bin5 Statistics 24

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	56311	79.2	7	1	1641	-	-	1
1	298416	86.5	7	1	1736	-	-	
2	540743	54.5	7	1	1338	-	-	
3	781453	50.4	7	2	1795	1452	-	
4	26391	95.9	7	3	1763	1652	1818	
5	268785	100	7	1	1026	-	-	
6	509421	78.1	7	3	1580	1607	1058	
7	752739	56	7	1	1837	-	-	
8	994733	52.5	7	1	1929	-	-	
9	238162	88.8	7	3	1954	1007	1323	
10	479837	76.4	7	2	1908	1998	-	
11	720956	58.5	7	3	1598	1794	1156	

Bin5 Statistics 25

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	642677	99.7	10	1	1907	-	-	1
1	138716	95.5	10	3	1438	1433	1075	
2	299861	72.1	10	2	1495	1534	-	
3	460154	56.4	10	3	1342	1245	1392	
4	619828	94.3	10	3	1769	1606	1724	
5	118774	71.8	10	3	1686	1720	1339	
6	279842	74.8	10	2	1752	1735	-	
7	440927	87.6	10	2	1617	1504	-	
8	602414	86	10	2	1423	1085	-	
9	99455	50.5	10	1	1698	-	-	
10	260876	59.4	10	1	1328	-	-	
11	420673	77.4	10	2	1992	1808	-	
12	583801	90	10	1	1107	-	-	
13	79668	99.6	10	1	1047	-	-	
14	240113	53.8	10	2	1852	1924	-	
15	401135	93.3	10	2	1872	1490	-	
16	561052	56.6	10	3	1144	1932	1414	
17	59606	87.1	10	2	1516	1502	-	

Bin5 Statistics 26

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	398211	50.3	7	1	1820	-	-	1
1	689001	55.9	7	1	1482	-	-	
2	979330	72.8	7	1	1910	-	-	
3	71777	75.4	7	2	1287	1238	-	
4	361647	50.2	7	3	1951	1166	1246	
5	652297	94.8	7	2	1157	1976	-	
6	942500	75.3	7	2	1341	1887	-	
7	36021	54.5	7	1	1934	-	-	
8	326432	68.5	7	2	1049	1464	-	
9	616327	93.6	7	2	1957	1593	-	

Bin5 Statistics 27

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	503213	57.9	9	2	1121	1379	-	1
1	128	83.5	9	2	1425	1637	-	
2	161197	79.5	9	2	1387	1163	-	
3	322030	92.3	9	2	1663	1373	-	
4	483862	86.9	9	1	1826	-	-	
5	645051	90	9	1	1884	-	-	
6	140877	73.9	9	3	1691	1527	1585	
7	303032	60.4	9	1	1219	-	-	
8	464058	60.4	9	1	1744	-	-	
9	622626	60.6	9	3	1272	1707	1632	
10	121420	64.5	9	2	1590	1488	-	
11	281551	51.8	9	3	1233	1953	1796	
12	444241	84.4	9	1	1674	-	-	
13	605519	76.9	9	1	1678	-	-	
14	101897	82.7	9	1	1111	-	-	
15	263235	78.6	9	1	1314	-	-	
16	422240	77	9	3	1921	1695	1402	
17	583633	77.1	9	3	1305	1222	1444	

Bin5 Statistics 28

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	134280	60.4	12	1	1204	-	-	1
1	397893	96.3	12	2	1251	1800	-	
2	660750	96.1	12	3	1843	1290	1533	
3	926584	84.8	12	1	1862	-	-	
4	101670	99.4	12	1	1804	-	-	
5	365278	65.5	12	2	1662	1732	-	
6	629443	88.5	12	2	1315	1374	-	
7	892754	70.5	12	2	1960	1480	-	
8	68923	85.7	12	3	1855	1329	1946	
9	332380	74.3	12	3	1497	1693	1543	
10	597447	95.2	12	1	1753	-	-	

Bin5 Statistics 29

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	523925	77.3	19	3	1715	1408	1247	1
1	22343	81.1	19	1	1773	-	-	
2	182934	89.8	19	3	1351	1138	1697	
3	344581	53.2	19	2	1055	1252	-	
4	504166	81.2	19	3	1649	1567	1119	
5	2469	79.6	19	3	1699	1536	1337	
6	162908	52.5	19	3	1987	1609	1545	
7	324314	71	19	2	1854	1313	-	
8	483962	67.1	19	3	1124	1786	1995	
9	648093	90.6	19	1	1175	-	-	
10	143476	100	19	3	1184	1199	1227	
11	305443	75.6	19	1	1094	-	-	
12	466233	93.5	19	1	1996	-	-	
13	625739	82.8	19	2	1949	1845	-	
14	124078	96.1	19	1	1410	-	-	
15	285567	72.5	19	1	1076	-	-	
16	446608	98.6	19	1	1651	-	-	
17	605560	71.5	19	3	1643	1142	1421	

Bin5 Statistics 30

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	98214	96	13	3	1886	1456	1220	
1	251581	92.7	13	1	1318	-	-	
2	403839	71.6	13	2	1126	1127	-	
3	555810	67.8	13	2	1273	1727	-	
4	79694	98.3	13	2	1539	1359	-	
5	232822	94.1	13	1	1129	-	-	
6	383439	72.2	13	3	1706	1947	1213	
7	536323	97.5	13	3	1250	1324	1255	
8	61093	73.1	13	1	1035	-	-	
9	213262	84.1	13	2	1798	1470	-	1
10	365328	63.9	13	3	1010	1524	1282	
11	516680	53.8	13	3	1692	1993	1223	
12	41992	66.3	13	3	1276	1968	1728	
13	194680	54.3	13	2	1045	1613	-	
14	346203	99.7	13	3	1308	1294	1885	
15	501059	65.2	13	1	1006	-	-	
16	23349	83.1	13	2	1264	1645	-	
17	175969	79.5	13	2	1319	1063	-	
18	326931	74.8	13	3	1749	1842	1927	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence				
1	5510.0	9	1.0	333	1	5489	5323	5285	5428	5573
						5626	5575	5430	5560	5521
						5614	5279	5628	5535	5514
						5553	5343	5545	5507	5604
						5373	5310	5255	5413	5638
						5695	5333	5659	5324	5528
						5338	5699	5532	5694	5274
						5454	5356	5431	5552	5476
						5596	5436	5327	5668	5414
						5299	5637	5446	5288	5491
						5531	5606	5456	5526	5415
						5597	5612	5700	5640	5263
						5453	5282	5530	5569	5281
						5608	5544	5259	5559	5302
						5475	5599	5696	5653	5567
						5571	5646	5421	5463	5286
						5384	5629	5473	5651	5585
						5570	5386	5484	5641	5455
						5490	5404	5619	5278	5667
						5268	5376	5469	5482	5319
						(number of hits: 6)				
2	5510.0	9	1.0	333	1	5357	5450	5723	5664	5278
						5597	5449	5373	5684	5274
						5515	5634	5594	5543	5341
						5614	5451	5367	5577	5492
						5353	5259	5696	5356	5620
						5656	5345	5429	5615	5471
						5539	5435	5609	5689	5528
						5595	5419	5319	5394	5488
						5271	5628	5629	5486	5439
						5598	5267	5447	5638	5704
						5650	5677	5591	5602	5514
						5348	5576	5714	5391	5444
						5599	5270	5483	5560	5460
						5330	5372	5630	5362	5445
						5382	5320	5339	5547	5452
						5264	5369	5261	5623	5516
						5258	5643	5569	5257	5522
						5430	5366	5527	5275	5297

						5711	5416	5276	5359	5476
						5459	5335	5509	5518	5607
						(number of hits: 8)				
3	5510.0	9	1.0	333	1	5612	5689	5659	5350	5595
						5639	5374	5448	5372	5481
						5349	5423	5635	5263	5362
						5702	5578	5470	5525	5684
						5361	5425	5637	5445	5593
						5544	5672	5632	5341	5505
						5581	5324	5566	5429	5680
						5415	5558	5410	5665	5660
						5564	5334	5424	5679	5671
						5427	5721	5287	5703	5467
						5303	5565	5437	5302	5561
						5482	5301	5314	5357	5625
						5456	5308	5294	5394	5418
						5530	5609	5274	5619	5438
						5560	5588	5723	5695	5592
						5636	5304	5624	5461	5582
						5513	5686	5493	5363	5722
						5653	5614	5296	5443	5457
						5370	5524	5557	5641	5465
						5369	5299	5618	5535	5662
						(number of hits: 3)				
4	5510.0	9	1.0	333	1	5392	5453	5595	5511	5340
						5303	5396	5523	5535	5310
						5280	5687	5676	5458	5383
						5693	5608	5573	5570	5401
						5369	5591	5675	5437	5566
						5335	5621	5360	5445	5539
						5720	5688	5644	5454	5613
						5600	5501	5461	5416	5671
						5403	5417	5362	5347	5592
						5503	5407	5426	5723	5281
						5354	5343	5479	5519	5623
						5505	5670	5255	5286	5328
						5721	5315	5317	5379	5351
						5495	5404	5552	5313	5424
						5563	5699	5654	5561	5447
						5605	5616	5692	5294	5375
						5653	5442	5456	5259	5635
						5325	5421	5297	5377	5331
						5471	5306	5656	5252	5649

						5717	5664	5274	5553	5449
						(number of hits: 5)				
5	5510.0	9	1.0	333	1	5550	5692	5531	5672	5657
						5345	5321	5501	5698	5517
						5589	5573	5717	5653	5404
						5306	5260	5579	5615	5593
						5377	5660	5616	5526	5539
						5473	5563	5549	5287	5674
						5480	5384	5606	5433	5264
						5689	5257	5569	5585	5500
						5300	5587	5432	5290	5509
						5334	5619	5694	5655	5570
						5712	5423	5352	5383	5684
						5597	5580	5299	5375	5262
						5440	5680	5297	5318	5292
						5393	5572	5296	5355	5385
						5507	5663	5664	5675	5516
						5401	5590	5586	5327	5716
						5357	5259	5556	5395	5319
						5545	5575	5496	5477	5340
						5441	5666	5648	5647	5532
						5552	5582	5413	5530	5418
						(number of hits: 7)				
6	5510.0	9	1.0	333	1	5330	5456	5467	5261	5402
						5387	5343	5576	5289	5724
						5520	5362	5283	5373	5425
						5394	5682	5563	5310	5288
						5351	5557	5518	5512	5489
						5325	5669	5653	5607	5329
						5340	5502	5380	5253	5403
						5305	5625	5344	5499	5556
						5583	5713	5352	5683	5264
						5270	5592	5364	5290	5506
						5473	5356	5621	5326	5721
						5296	5571	5638	5312	5399
						5504	5645	5272	5718	5519
						5716	5429	5404	5566	5536
						5554	5493	5666	5513	5651
						5475	5424	5636	5567	5331
						5606	5304	5354	5454	5459
						5712	5282	5447	5633	5426
						5318	5395	5661	5580	5277
						5323	5632	5545	5414	5655
						(number of hits: 8)				

7	5510.0	9	1.0	333	1	5585	5695	5403	5422	5719
						5429	5268	5651	5452	5456
						5451	5626	5324	5471	5446
						5482	5514	5310	5608	5502
						5296	5420	5595	5607	5485
						5377	5274	5397	5379	5641
						5468	5549	5297	5717	5532
						5542	5396	5421	5497	5510
						5395	5288	5495	5680	5668
						5250	5675	5325	5343	5349
						5672	5415	5447	5618	5284
						5592	5596	5619	5633	5335
						5724	5579	5286	5342	5287
						5368	5614	5458	5339	5479
						5669	5362	5627	5434	5544
						5304	5548	5450	5587	5295
						5367	5254	5649	5459	5554
						5639	5598	5380	5566	5593
						5351	5586	5311	5385	5700
						5407	5713	5443	5393	5283
						(number of hits: 6)				
8	5510.0	9	1.0	333	1	5365	5459	5436	5583	5464
						5568	5290	5251	5615	5285
						5415	5666	5467	5473	5641
						5413	5653	5694	5304	5586
						5536	5599	5458	5265	5601
						5600	5483	5675	5510	5438
						5254	5457	5306	5271	5584
						5487	5692	5650	5424	5331
						5371	5492	5260	5677	5597
						5705	5283	5383	5396	5658
						5700	5708	5723	5270	5562
						5472	5546	5590	5287	5500
						5669	5411	5255	5707	5543
						5711	5404	5446	5253	5617
						5698	5465	5294	5686	5603
						5393	5718	5664	5350	5529
						5674	5560	5368	5527	5369
						5362	5493	5305	5259	5466
						5431	5717	5516	5592	5345
						5494	5339	5462	5697	5372
						(number of hits: 8)				
9	5510.0	9	1.0	333	0					
10	5510.0	9	1.0	333	1	5303	5559	5308	5430	5526

						5652	5712	5401	5466	5699
						5622	5565	5544	5581	5509
						5649	5323	5522	5646	5700
						5698	5346	5418	5680	5404
						5419	5402	5531	5691	5268
						5594	5313	5643	5315	5707
						5289	5387	5669	5381	5578
						5349	5484	5537	5368	5265
						5671	5358	5665	5449	5499
						5502	5335	5355	5585	5350
						5304	5391	5353	5276	5454
						5597	5528	5532	5448	5656
						5647	5479	5599	5567	5609
						5379	5488	5415	5464	5534
						5397	5287	5458	5311	5429
						5539	5491	5606	5683	5405
						5690	5653	5720	5274	5328
						5299	5436	5263	5431	5371
						5604	5316	5607	5615	5373
						(number of hits: 6)				
11	5510.0	9	1.0	333	1	5558	5323	5719	5591	5368
						5694	5637	5476	5532	5528
						5456	5354	5585	5301	5530
						5262	5450	5625	5691	5417
						5706	5415	5294	5377	5685
						5254	5302	5258	5677	5600
						5384	5487	5429	5382	5652
						5256	5263	5717	5306	5408
						5290	5665	5548	5460	5555
						5286	5401	5393	5592	5675
						5464	5690	5250	5406	5577
						5520	5601	5479	5305	5642
						5293	5698	5404	5633	5400
						5611	5434	5270	5431	5452
						5682	5569	5383	5318	5661
						5379	5338	5576	5643	5291
						5390	5511	5629	5536	5707
						5253	5489	5724	5627	5271
						5607	5590	5695	5539	5411
						5388	5606	5523	5546	5355
						(number of hits: 3)				
12	5510.0	9	1.0	333	1	5338	5562	5655	5277	5588
						5358	5659	5551	5695	5260

						5387	5618	5626	5399	5253
						5577	5261	5609	5617	5581
						5397	5286	5350	5573	5678
						5365	5521	5336	5300	5566
						5557	5270	5633	5307	5568
						5473	5448	5506	5652	5259
						5325	5719	5648	5287	5594
						5528	5615	5518	5511	5487
						5582	5462	5452	5482	5415
						5619	5362	5405	5544	5377
						5706	5685	5546	5311	5703
						5591	5507	5354	5530	5682
						5705	5500	5460	5410	5704
						5400	5572	5550	5635	5331
						5442	5543	5401	5296	5433
						5351	5455	5607	5441	5284
						5449	5701	5713	5274	5407
						5255	5505	5569	5323	5262
						(number of hits: 6)				
13	5510.0	9	1.0	333	1	5593	5326	5591	5438	5430
						5400	5584	5626	5383	5467
						5318	5407	5667	5594	5572
						5341	5704	5356	5306	5625
						5650	5338	5375	5323	5364
						5530	5568	5370	5342	5552
						5514	5485	5310	5602	5707
						5564	5659	5663	5573	5408
						5657	5413	5284	5523	5508
						5698	5576	5277	5361	5638
						5503	5668	5713	5466	5365
						5316	5595	5363	5348	5360
						5491	5618	5529	5534	5317
						5456	5390	5265	5372	5399
						5589	5309	5386	5369	5692
						5396	5531	5412	5441	5464
						5614	5546	5314	5550	5475
						5395	5532	5647	5391	5719
						5699	5631	5521	5262	5336
						5403	5451	5329	5460	5504
						(number of hits: 6)				
14	5510.0	9	1.0	333	1	5276	5565	5527	5502	5650
						5442	5606	5701	5546	5296
						5627	5671	5708	5314	5593

						5429	5259	5459	5254	5518
						5633	5341	5376	5367	5252
						5479	5404	5481	5441	5471
						5603	5559	5325	5371	5655
						5612	5337	5577	5412	5588
						5595	5653	5281	5355	5488
						5306	5537	5617	5639	5712
						5339	5554	5282	5536	5410
						5553	5270	5310	5560	5319
						5489	5540	5533	5450	5615
						5405	5426	5572	5264	5288
						5575	5362	5622	5716	5539
						5512	5664	5454	5299	5611
						5686	5449	5689	5374	5267
						5440	5446	5305	5370	5556
						5250	5258	5513	5538	5317
						5320	5301	5430	5432	5280
						(number of hits: 5)				
15	5510.0	9	1.0	333	1	5531	5329	5463	5663	5492
						5484	5301	5612	5503	5558
						5557	5274	5509	5614	5517
						5386	5465	5299	5710	5544
						5507	5317	5456	5269	5615
						5331	5499	5455	5341	5523
						5330	5428	5343	5711	5620
						5413	5271	5408	5587	5491
						5251	5671	5436	5321	5278
						5284	5468	5389	5595	5670
						5429	5588	5515	5605	5371
						5262	5257	5266	5602	5500
						5379	5668	5521	5705	5478
						5354	5365	5307	5534	5566
						5640	5561	5606	5385	5716
						5581	5685	5360	5585	5493
						5344	5564	5260	5687	5608
						5352	5337	5459	5308	5400
						5553	5665	5721	5353	5298
						5555	5372	5304	5296	5312
						(number of hits: 11)				
16	5510.0	9	1.0	333	1	5311	5568	5399	5349	5712
						5623	5553	5376	5300	5710
						5392	5346	5315	5704	5635
						5508	5513	5344	5427	5552

						5576	5258	5448	5717	5406
						5658	5605	5559	5375	5565
						5316	5385	5558	5485	5343
						5459	5301	5265	5502	5279
						5374	5561	5275	5591	5472
						5653	5723	5464	5691	5656
						5460	5560	5676	5357	5556
						5690	5673	5639	5650	5395
						5423	5686	5579	5469	5542
						5303	5401	5614	5329	5272
						5547	5609	5709	5692	5540
						5557	5480	5253	5474	5596
						5674	5516	5627	5698	5352
						5470	5397	5554	5273	5354
						5388	5411	5359	5655	5600
						5572	5669	5291	5638	5487
						(number of hits: 6)				
17	5510.0	9	1.0	333	1	5566	5332	5335	5510	5554
						5665	5478	5451	5463	5539
						5323	5610	5453	5327	5656
						5596	5640	5671	5389	5716
						5560	5267	5296	5537	5690
						5294	5607	5333	5663	5409
						5704	5680	5342	5298	5637
						5638	5691	5550	5572	5418
						5416	5501	5362	5312	5326
						5369	5520	5428	5555	5614
						5301	5581	5718	5392	5707
						5646	5383	5523	5545	5405
						5492	5304	5368	5518	5502
						5415	5365	5252	5437	5349
						5696	5309	5630	5709	5558
						5668	5499	5526	5600	5299
						5455	5373	5687	5297	5316
						5338	5505	5255	5360	5271
						5616	5477	5683	5576	5263
						5440	5686	5482	5567	5270
						(number of hits: 6)				
18	5510.0	9	1.0	333	1	5724	5571	5271	5671	5299
						5707	5500	5526	5626	5254
						5399	5494	5522	5677	5684
						5292	5337	5433	5471	5336
						5712	5529	5663	5560	5459

						5536	5443	5666	5416	5411
						5361	5258	5641	5368	5668
						5330	5340	5542	5250	5469
						5366	5449	5311	5638	5672
						5257	5468	5594	5568	5283
						5260	5681	5467	5464	5498
						5689	5484	5410	5350	5328
						5458	5566	5676	5376	5656
						5491	5353	5478	5616	5310
						5644	5398	5720	5442	5436
						5625	5322	5553	5383	5502
						5613	5633	5629	5420	5581
						5359	5406	5266	5371	5675
						5721	5703	5537	5465	5627
						5369	5694	5407	5447	5316
						(number of hits: 6)				
19	5510.0	9	1.0	333	1	5504	5335	5682	5357	5519
						5371	5425	5601	5692	5478
						5563	5663	5535	5717	5698
						5297	5322	5402	5382	5625
						5479	5502	5653	5618	5636
						5448	5408	5264	5493	5477
						5313	5555	5256	5631	5656
						5397	5257	5261	5346	5341
						5654	5709	5363	5281	5291
						5721	5255	5310	5258	5470
						5269	5334	5349	5407	5314
						5446	5418	5688	5508	5455
						5562	5415	5355	5279	5629
						5404	5389	5412	5488	5383
						5550	5602	5337	5634	5620
						5417	5367	5365	5432	5547
						5561	5499	5430	5633	5568
						5558	5449	5410	5498	5701
						5431	5377	5679	5720	5592
						5434	5606	5472	5405	5648
						(number of hits: 7)				
20	5510.0	9	1.0	333	1	5284	5574	5618	5518	5361
						5413	5447	5676	5380	5307
						5494	5452	5576	5437	5719
						5288	5449	5408	5427	5342
						5487	5571	5691	5610	5609
						5714	5260	5467	5597	5511

						5444	5688	5371	5337	5476
						5536	5348	5532	5499	5255
						5493	5708	5601	5474	5360
						5685	5271	5329	5363	5620
						5346	5445	5385	5438	5705
						5258	5634	5372	5403	5327
						5426	5594	5580	5300	5586
						5552	5350	5590	5351	5698
						5653	5434	5340	5483	5596
						5376	5388	5631	5495	5557
						5711	5624	5496	5625	5410
						5443	5275	5414	5364	5424
						5480	5646	5464	5262	5647
						5418	5261	5488	5575	5615
						(number of hits: 9)				
21	5510.0	9	1.0	333	1	5539	5338	5554	5582	5581
						5455	5372	5276	5543	5514
						5425	5617	5535	5265	5376
						5576	5511	5375	5534	5398
						5262	5632	5699	5602	5587
						5670	5701	5545	5494	5430
						5645	5586	5489	5674	5675
						5536	5328	5274	5644	5332
						5413	5714	5357	5517	5251
						5412	5416	5410	5600	5524
						5436	5527	5528	5580	5347
						5326	5593	5397	5723	5270
						5720	5418	5378	5393	5523
						5387	5530	5448	5615	5316
						5671	5440	5475	5335	5683
						5508	5299	5476	5334	5555
						5371	5400	5687	5493	5345
						5439	5349	5406	5370	5282
						5415	5519	5719	5286	5486
						5680	5346	5279	5702	5402
						(number of hits: 8)				
22	5510.0	9	1.0	333	1	5319	5577	5490	5268	5423
						5497	5394	5351	5706	5721
						5259	5602	5658	5255	5286
						5464	5703	5614	5420	5251
						5406	5331	5573	5691	5555
						5536	5301	5330	5579	5704
						5263	5494	5717	5627	5599

						5427	5655	5496	5477	5382
						5451	5446	5495	5332	5469
						5297	5476	5700	5487	5713
						5524	5535	5280	5308	5343
						5271	5377	5532	5287	5250
						5679	5339	5472	5265	5340
						5418	5485	5657	5443	5656
						5294	5652	5628	5345	5457
						5586	5665	5467	5372	5540
						5439	5666	5369	5562	5722
						5292	5442	5492	5617	5606
						5585	5393	5282	5483	5629
						5349	5306	5633	5690	5334
						(number of hits: 9)				
23	5510.0	9	1.0	333	1	5477	5341	5426	5429	5643
						5636	5319	5297	5453	5665
						5391	5699	5450	5307	5552
						5355	5717	5465	5443	5414
						5497	5514	5305	5528	5281
						5388	5504	5434	5613	5578
						5683	5559	5444	5415	5692
						5381	5718	5492	5580	5569
						5582	5579	5318	5622	5448
						5375	5686	5293	5522	5562
						5352	5401	5538	5327	5371
						5626	5709	5498	5637	5506
						5697	5707	5557	5602	5285
						5340	5421	5362	5572	5610
						5696	5543	5408	5427	5253
						5524	5273	5488	5438	5363
						5678	5631	5435	5390	5260
						5342	5508	5279	5590	5420
						5262	5616	5651	5694	5410
						5337	5467	5527	5328	5409
						(number of hits: 8)				
24	5510.0	9	1.0	333	1	5257	5580	5362	5590	5485
						5678	5341	5501	5460	5282
						5499	5655	5265	5645	5328
						5543	5385	5345	5510	5325
						5566	5552	5297	5644	5337
						5707	5635	5647	5717	5669
						5516	5659	5664	5512	5520
						5334	5288	5355	5483	5421

						5662	5256	5387	5445	5682
						5569	5661	5351	5478	5449
						5606	5577	5589	5416	5375
						5315	5339	5663	5688	5456
						5652	5486	5428	5706	5638
						5370	5398	5307	5502	5251
						5546	5403	5687	5493	5296
						5534	5419	5615	5313	5320
						5498	5720	5447	5392	5374
						5555	5691	5306	5601	5588
						5427	5451	5425	5685	5651
						5308	5283	5701	5410	5404
						(number of hits: 11)				
25	5510.0	9	1.0	333	1	5512	5441	5298	5276	5705
						5720	5363	5576	5623	5489
						5430	5444	5403	5365	5349
						5631	5351	5458	5449	5333
						5257	5493	5386	5474	5435
						5664	5264	5681	5284	5558
						5473	5399	5341	5710	5562
						5425	5559	5508	5494	5260
						5367	5669	5627	5442	5611
						5549	5269	5409	5531	5714
						5482	5278	5640	5505	5673
						5637	5527	5617	5306	5653
						5659	5289	5552	5694	5318
						5274	5364	5319	5337	5614
						5297	5302	5323	5712	5581
						5379	5646	5416	5677	5400
						5392	5326	5445	5484	5658
						5384	5272	5452	5566	5423
						5464	5280	5471	5607	5622
						5630	5340	5447	5532	5615
						(number of hits: 7)				
26	5510.0	9	1.0	333	1	5292	5680	5709	5437	5547
						5287	5288	5651	5311	5696
						5361	5330	5444	5463	5370
						5719	5639	5454	5503	5641
						5341	5423	5434	5378	5447
						5323	5516	5638	5368	5715
						5326	5430	5517	5590	5530
						5701	5452	5661	5408	5671
						5450	5607	5295	5439	5443

						5529	5352	5584	5601	5358
						5691	5496	5581	5571	5472
						5533	5321	5717	5625	5652
						5695	5662	5268	5373	5349
						5567	5483	5395	5698	5649
						5258	5605	5334	5536	5723
						5381	5436	5551	5721	5467
						5623	5606	5415	5388	5379
						5712	5478	5636	5613	5656
						5512	5449	5558	5502	5546
						5718	5572	5498	5707	5509
						(number of hits: 9)				
27	5510.0	9	1.0	333	1	5450	5444	5645	5598	5292
						5426	5310	5251	5377	5525
						5670	5594	5485	5658	5391
						5332	5291	5557	5548	5358
						5252	5492	5472	5467	5420
						5589	5465	5269	5274	5433
						5387	5257	5267	5350	5365
						5704	5723	5339	5322	5510
						5533	5545	5535	5372	5509
						5435	5428	5637	5709	5630
						5305	5697	5686	5504	5407
						5584	5457	5478	5641	5388
						5692	5409	5656	5459	5286
						5564	5684	5652	5657	5681
						5362	5324	5546	5482	5715
						5309	5378	5662	5526	5475
						5256	5430	5676	5326	5619
						5593	5297	5461	5575	5500
						5691	5346	5392	5496	5255
						5360	5460	5338	5333	5385
						(number of hits: 7)				
28	5510.0	9	1.0	333	1	5705	5683	5581	5284	5609
						5468	5710	5326	5540	5257
						5601	5383	5526	5378	5412
						5323	5418	5660	5593	5550
						5260	5658	5413	5459	5393
						5477	5317	5472	5673	5308
						5507	5322	5344	5516	5548
						5504	5320	5519	5589	5711
						5349	5616	5483	5300	5530
						5301	5489	5518	5486	5690

						5278	5488	5331	5318	5394
						5520	5372	5382	5401	5475
						5579	5572	5529	5289	5684
						5686	5641	5348	5391	5254
						5564	5636	5292	5277	5506
						5685	5523	5650	5437	5343
						5576	5559	5263	5404	5387
						5438	5570	5696	5384	5258
						5496	5491	5625	5627	5654
						5592	5612	5449	5590	5591
						(number of hits: 10)				
29	5510.0	9	1.0	333	1	5485	5447	5517	5348	5354
						5510	5257	5401	5703	5464
						5532	5647	5567	5573	5433
						5411	5448	5288	5541	5267
						5268	5252	5548	5366	5365
						5266	5675	5302	5342	5549
						5308	5301	5687	5668	5368
						5546	5315	5722	5663	5321
						5421	5443	5527	5608	5469
						5601	5543	5364	5507	5369
						5483	5343	5694	5707	5336
						5591	5307	5446	5708	5262
						5571	5693	5702	5630	5412
						5590	5384	5698	5621	5367
						5330	5278	5280	5355	5661
						5482	5619	5324	5580	5353
						5669	5519	5568	5275	5674
						5429	5326	5498	5665	5564
						5338	5506	5656	5253	5536
						5679	5609	5667	5565	5487
						(number of hits: 8)				
30	5510.0	9	1.0	333	1	5265	5686	5453	5509	5671
						5552	5657	5476	5391	5293
						5366	5436	5608	5454	5499
						5575	5294	5586	5459	5654
						5418	5392	5637	5339	5631
						5593	5403	5406	5376	5688
						5672	5258	5330	5442	5566
						5685	5502	5683	5420	5636
						5404	5359	5524	5537	5449
						5684	5505	5321	5430	5715
						5669	5641	5638	5290	5306

						5601	5320	5362	5427	5516
						5525	5528	5576	5710	5539
						5323	5433	5416	5645	5402
						5264	5380	5679	5441	5491
						5444	5723	5605	5304	5300
						5635	5595	5272	5394	5332
						5643	5461	5382	5529	5389
						5514	5346	5259	5598	5691
						5722	5549	5385	5365	5655
						(number of hits: 7)				

AP Mode
Cobalt Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	90.0 %	60%	Pass
Type 3	30	90.0 %	60%	Pass
Type 4	30	90.0 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7 %	80%	Pass
Type 5	30	100 %	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 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	61	1.0	878	1
2	67	1.0	798	1
3	62	1.0	858	1
4	102	1.0	518	1
5	68	1.0	778	1
6	63	1.0	838	1
7	99	1.0	538	1
8	86	1.0	618	1
9	81	1.0	658	1
10	92	1.0	578	1
11	70	1.0	758	1
12	72	1.0	738	1
13	83	1.0	638	1
14	74	1.0	718	0
15	59	1.0	898	1
16	24	1.0	2240	1
17	101	1.0	524	1
18	23	1.0	2335	1
19	22	1.0	2479	1
20	24	1.0	2282	1
21	34	1.0	1578	1
22	33	1.0	1645	1
23	36	1.0	1480	1
24	22	1.0	2487	1
25	73	1.0	730	1
26	27	1.0	2027	1
27	19	1.0	2913	1
28	44	1.0	1226	1
29	27	1.0	1978	1
30	21	1.0	2554	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	2.9	216	1
2	23	1.3	193	1
3	26	1	161	1
4	28	3	188	1
5	27	1	205	1
6	26	4.4	166	0
7	25	2.5	185	1
8	29	4	202	0
9	23	3.6	152	1
10	27	2.1	170	1
11	23	2	177	1
12	24	3.1	196	1
13	25	1.5	150	1
14	29	2.8	226	1
15	27	3.5	153	1
16	27	3.5	195	1
17	24	1.1	158	0
18	27	3.8	169	1
19	27	2.5	186	1
20	27	1.1	223	1
21	29	2.9	208	1
22	23	4.1	173	1
23	24	2.6	154	1
24	25	4.7	224	1
25	28	4.8	187	1
26	24	3.7	190	1
27	28	4.7	168	1
28	25	2.2	227	1
29	28	2.2	228	1
30	29	3.8	221	1
Detection Percentage: 90.0 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	7.8	203	1
2	16	9.9	337	1
3	17	8.7	319	1
4	18	9.7	438	0
5	17	6.5	289	1
6	17	8.5	320	0
7	17	9.7	292	1
8	18	7	437	1
9	16	7	435	1
10	17	7.1	371	1
11	16	7.7	492	1
12	16	6.9	427	1
13	16	8.9	421	1
14	18	7.8	408	1
15	18	6.9	295	1
16	17	6.8	261	1
17	16	8.4	462	1
18	17	8.8	373	0
19	18	9.4	441	1
20	18	7.1	202	1
21	18	7	500	1
22	16	6.1	464	1
23	16	7.6	363	1
24	17	6.9	232	1
25	18	6.5	277	1
26	16	9.9	264	1
27	18	8.7	354	1
28	16	9.4	436	1
29	18	8.8	410	1
30	18	7.1	204	1
Detection Percentage: 90.0 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	11.6	228	1
2	12	15.9	202	1
3	14	19.8	226	1
4	15	11.5	368	1
5	15	15.7	249	1
6	14	11	434	1
7	13	15.6	452	1
8	16	18.9	270	1
9	12	17.1	332	1
10	15	17.2	278	1
11	12	13	415	0
12	13	16.2	344	0
13	13	17	356	0
14	16	16.1	397	1
15	15	15	337	1
16	15	11.2	330	1
17	13	14.7	458	1
18	15	13.5	380	1
19	15	12.5	367	1
20	15	13.6	353	1
21	16	13.7	479	1
22	12	14.2	372	1
23	12	13.1	352	1
24	13	18.1	398	1
25	15	14	375	1
26	12	14.7	346	1
27	15	16.2	454	1
28	13	14.5	323	1
29	16	12.5	298	1
30	16	20	491	1
Detection Percentage: 90.0 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5498.0	1
12	5498.0	1
13	5500.0	1
14	5500.0	1
15	5498.0	1
16	5497.0	1
17	5500.0	1
18	5496.0	1
19	5499.0	1
20	5495.0	1
21	5564.0	1
22	5562.0	1
23	5566.0	1
24	5564.0	1
25	5562.0	1
26	5565.0	1
27	5562.0	1
28	5565.0	1
29	5566.0	1
30	5563.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	486035	71.1	8	1	1999	-	-	1
1	750489	55.5	8	1	1478	-	-	
2	1012962	85.5	8	2	1975	1381	-	
3	189015	84.3	8	3	1321	1584	1363	
4	453042	80.6	8	2	1636	1473	-	
5	716523	81.9	8	2	1687	1946	-	
6	981082	81.7	8	2	1279	1400	-	
7	156394	72.1	8	3	1607	1796	1962	
8	421127	96.3	8	1	1605	-	-	
9	684163	59.3	8	2	1579	1860	-	
10	949729	99.3	8	1	1352	-	-	

Bin5 Statistics 2

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	152072	73.3	7	1	1653	-	-	1
1	475196	92.4	7	1	1233	-	-	
2	796419	60.8	7	3	1403	1726	1197	
3	1118571	55.9	7	3	1022	1846	1665	
4	112147	89.9	7	2	1693	1643	-	
5	435182	78	7	1	1901	-	-	
6	757962	72.9	7	2	1111	1026	-	
7	1078617	75.8	7	3	1106	1958	1785	
8	72329	51.5	7	3	1332	1797	1763	

Bin5 Statistics 3

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	253324	79.3	19	3	1592	1528	1018	1
1	461744	74.9	19	1	1285	-	-	
2	669495	50.7	19	1	1057	-	-	
3	20986	89.3	19	2	1649	1445	-	
4	227639	92.2	19	3	1950	1153	1793	
5	435893	95.4	19	1	1839	-	-	
6	641828	98.7	19	3	1505	1316	1017	
7	851529	53	19	1	1075	-	-	
8	202334	78.5	19	3	1502	1437	1299	
9	408878	96.4	19	3	1740	1953	1196	
10	616908	98.1	19	2	1749	1297	-	
11	823287	92.9	19	3	1298	1168	1374	
12	176835	60.4	19	3	1754	1323	1257	
13	384798	66.4	19	1	1822	-	-	

Bin5 Statistics 4

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	458736	76.8	11	3	1500	1063	1591	1
1	618944	53.1	11	3	1314	1707	1638	
2	117575	89.6	11	3	1441	1140	1624	
3	279400	55.6	11	1	1450	-	-	
4	439498	58.4	11	2	1745	1573	-	
5	600518	81.5	11	2	1852	1315	-	
6	98130	83.3	11	1	1861	-	-	
7	258355	69.4	11	3	1712	1089	1651	
8	419032	57.7	11	3	1709	1601	1033	
9	580180	59.6	11	2	1781	1976	-	
10	78208	69.9	11	2	1240	1142	-	
11	238608	84.2	11	3	1897	1122	1333	
12	399158	66.1	11	3	1546	1776	1167	
13	561168	69.9	11	2	1255	1565	-	
14	58424	88.1	11	1	1692	-	-	
15	219112	93	11	2	1930	1543	-	
16	380267	57.6	11	2	1480	1453	-	
17	542470	92.2	11	1	1429	-	-	

Bin5 Statistics 5

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	43332	83.4	20	2	1447	1236	-	1
1	223917	85	20	3	1309	1664	1918	
2	405259	75.8	20	2	1927	1803	-	
3	588026	96.2	20	1	1474	-	-	
4	20959	54.8	20	3	1467	1259	1667	
5	202662	96.2	20	1	1179	-	-	
6	382801	92.1	20	3	1201	1251	1598	
7	564582	85.2	20	2	1555	1351	-	
8	746070	83.3	20	2	1052	1559	-	
9	180204	78.7	20	1	1541	-	-	
10	361655	93.7	20	1	1694	-	-	
11	543131	100	20	1	1710	-	-	
12	724548	61.3	20	1	1779	-	-	
13	157914	56.3	20	1	1212	-	-	
14	338729	62.8	20	2	1395	1557	-	
15	521021	75.9	20	1	1358	-	-	

Bin5 Statistics 6

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	861238	84	20	3	1769	1838	1782	1
1	166246	52.8	20	3	1835	1617	1232	
2	389556	50.2	20	3	1143	1112	1079	
3	613665	72.4	20	1	1770	-	-	
4	836998	64.5	20	1	1894	-	-	
5	139239	94.4	20	1	1843	-	-	
6	362342	68.2	20	2	1639	1028	-	
7	584628	59.8	20	3	1113	1046	1990	
8	808919	67.2	20	2	1129	1401	-	
9	111452	91.2	20	3	1189	1141	1697	
10	334190	69.4	20	3	1870	1207	1392	
11	558498	57.9	20	1	1968	-	-	
12	781378	79.3	20	2	1408	1170	-	

Bin5 Statistics 7

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	91270	78.8	16	1	1362	-	-	1
1	333428	64.9	16	1	1492	-	-	
2	574701	85.5	16	2	1471	1576	-	
3	816691	88.7	16	2	1135	1671	-	
4	61328	55.8	16	2	1983	1154	-	
5	303160	59.4	16	2	1911	1024	-	
6	545598	75.5	16	1	1802	-	-	
7	787132	90.6	16	2	1120	1393	-	
8	31520	80.6	16	3	1184	1282	1511	
9	272842	98.3	16	3	1669	1641	1562	
10	514399	93.5	16	3	1967	1410	1093	
11	758114	63.5	16	1	1484	-	-	

Bin5 Statistics 8

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1060	73.3	7	1	1944	-	-	1
1	145495	98.3	7	3	1972	1278	1202	
2	291433	54.6	7	1	1372	-	-	
3	434196	75.8	7	3	1895	1169	1630	
4	579658	57.8	7	2	1604	1977	-	
5	128269	98.3	7	1	1810	-	-	
6	273301	63.5	7	1	1916	-	-	
7	418348	71.4	7	1	1926	-	-	
8	562946	90.2	7	2	1068	1340	-	
9	110035	85.9	7	2	2000	1784	-	
10	255062	85.2	7	2	1126	1661	-	
11	399729	92.7	7	2	1336	1713	-	
12	545530	85.3	7	1	1929	-	-	
13	92629	77.7	7	1	1160	-	-	
14	237733	89.1	7	1	1496	-	-	
15	382799	66.8	7	1	1637	-	-	
16	526551	66	7	2	1706	1483	-	
17	74317	79	7	3	1925	1174	1439	
18	219848	63.6	7	1	1510	-	-	
19	364855	76.7	7	1	1748	-	-	

Bin5 Statistics 9

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1132545	84.2	16	3	1600	1750	1330	1
1	126120	55.8	16	3	1544	1366	1883	
2	449385	54.4	16	1	1677	-	-	
3	770771	63.7	16	3	1367	1734	1305	
4	1093518	58.1	16	2	1980	1891	-	
5	86421	61.2	16	3	1899	1094	1955	
6	408591	55.4	16	3	1864	1536	1567	
7	730841	97	16	3	1219	1698	1905	
8	1054544	87.4	16	2	1399	1534	-	

Bin5 Statistics 10

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26254	85.4	6	3	1177	1031	1571	1
1	207905	53.3	6	1	1371	-	-	
2	389453	54.5	6	1	1406	-	-	
3	571185	56.8	6	1	1178	-	-	
4	3972	58.8	6	1	1723	-	-	
5	185510	91.3	6	1	1493	-	-	
6	367282	96.2	6	1	1013	-	-	
7	548373	63.6	6	1	1780	-	-	
8	729709	84.1	6	1	1914	-	-	
9	162459	59.3	6	3	1599	1504	1554	
10	343724	92.9	6	2	1771	1809	-	
11	524379	55.9	6	3	1503	1389	1223	
12	704947	86.6	6	3	1156	1876	1434	
13	140761	89.2	6	1	1634	-	-	
14	320961	93	6	3	1680	1145	1834	
15	501643	79.8	6	3	1959	1646	1183	

Bin5 Statistics 11

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1368803	92.9	14	3	1682	1989	1490	1
1	237037	53.4	14	1	1827	-	-	
2	600335	78.2	14	1	1966	-	-	
3	963806	70.4	14	1	1733	-	-	
4	1324521	58.6	14	3	1425	1462	1851	
5	192288	74.6	14	1	1758	-	-	
6	555859	51.6	14	1	1221	-	-	
7	917145	84.7	14	3	1970	1074	1788	

Bin5 Statistics 12

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	930835	66.7	14	2	1623	1783	-	1
1	107289	79.4	14	1	1335	-	-	
2	371500	67.4	14	1	1468	-	-	
3	634667	93.8	14	2	1532	1746	-	
4	900097	90.9	14	1	1287	-	-	
5	74745	67.7	14	1	1244	-	-	
6	338648	96.7	14	2	1181	1268	-	
7	602477	92.8	14	2	1416	1317	-	
8	867746	66.6	14	1	1035	-	-	
9	42118	84	14	2	1380	1772	-	
10	305601	54.8	14	3	1716	1152	1466	

Bin5 Statistics 13

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	522778	82.5	19	1	1919	-	-	1
1	764328	80.7	19	2	1329	1264	-	
2	8822	85.8	19	2	1589	1116	-	
3	251028	76.4	19	1	1388	-	-	
4	492001	86.4	19	3	1347	1295	1220	
5	733381	93	19	3	1593	1446	1114	
6	977089	53.1	19	1	1923	-	-	
7	220729	81.9	19	2	1684	1807	-	
8	461606	69.7	19	3	1540	1939	1753	
9	703444	70.7	19	3	1011	1833	1574	
10	947630	70.8	19	1	1545	-	-	
11	190819	97.6	19	3	1633	1533	1056	

Bin5 Statistics 14

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	258336	66.6	20	3	1337	1730	1909	1
1	403516	61.5	20	2	1904	1789	-	
2	550315	84	20	1	1326	-	-	
3	96257	65.2	20	3	1902	1971	1045	
4	240988	57.8	20	3	1042	1327	1548	
5	385920	77.3	20	2	1438	1917	-	
6	529607	76.5	20	3	1942	1519	1039	
7	78607	78.8	20	3	1418	1245	1288	
8	223434	60.7	20	2	1938	1301	-	
9	369133	51.7	20	1	1674	-	-	
10	513234	69.9	20	2	1752	1099	-	
11	60891	90.2	20	2	1188	1874	-	
12	205242	79.5	20	3	1654	1379	1263	
13	351274	73.8	20	1	1647	-	-	
14	494047	52.3	20	3	1047	1704	1724	
15	43010	72.7	20	3	1088	1376	1260	
16	187257	66.4	20	3	1774	1608	1515	
17	333314	62.7	20	1	1799	-	-	
18	475973	50.1	20	3	1292	1865	1673	
19	25233	89.4	20	2	1509	1354	-	

Bin5 Statistics 15

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	212795	52.6	16	2	1688	1108	-	1
1	393679	84.4	16	2	1982	1452	-	
2	575188	60.4	16	2	1552	1306	-	
3	9249	99.1	16	2	1969	1061	-	
4	190535	57	16	2	1002	1551	-	
5	370366	77	16	3	1739	1751	1973	
6	554049	91.9	16	1	1261	-	-	
7	735685	77.4	16	1	1217	-	-	
8	167833	55.4	16	3	1603	1289	1313	
9	348720	92.7	16	3	1105	1609	1475	
10	531808	81.9	16	1	1082	-	-	
11	709612	63.9	16	3	1993	1308	1804	
12	145998	95.9	16	1	1924	-	-	
13	326727	81.9	16	2	1727	1805	-	
14	508848	50.8	16	1	1945	-	-	
15	690284	82.3	16	1	1935	-	-	

Bin5 Statistics 16

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	123086	56.9	13	3	1813	1798	1728	1
1	304780	52.4	13	2	1640	1025	-	
2	485185	88.8	13	3	1430	1041	1497	
3	667892	65.5	13	1	1985	-	-	
4	101176	90.1	13	2	1658	1195	-	
5	281577	55.2	13	3	1922	1657	1407	
6	464457	94.1	13	1	1454	-	-	
7	645705	80.7	13	1	1800	-	-	
8	79015	60.8	13	1	1346	-	-	
9	260638	95.7	13	1	1199	-	-	
10	442021	97	13	1	1580	-	-	
11	620648	62.6	13	3	1731	1384	1931	
12	56613	90.7	13	1	1821	-	-	
13	238311	80.5	13	1	1064	-	-	
14	418346	65.5	13	2	1933	1995	-	
15	599871	56.9	13	2	1246	1961	-	

Bin5 Statistics 17

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	49739	70.6	19	3	1952	1732	1069	
1	313344	81.5	19	3	1863	1008	1266	
2	577657	94.9	19	2	1180	1569	-	
3	841064	82.2	19	2	1586	1818	-	
4	17309	51.1	19	3	1310	1085	1186	
5	280737	84.9	19	3	1681	1231	1768	1
6	545221	58.2	19	2	1516	1090	-	
7	807541	80.8	19	3	1427	1881	1487	
8	1074421	85.5	19	1	1283	-	-	
9	248711	99.1	19	2	1144	1676	-	
10	513306	73.3	19	1	1338	-	-	

Bin5 Statistics 18

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	568040	68	9	3	1523	1248	1254	
1	760428	69.8	9	3	1489	1469	1757	
2	158410	55.9	9	2	1086	1690	-	
3	352487	94.3	9	1	1133	-	-	
4	544796	97.7	9	2	1535	1705	-	
5	736830	73	9	3	1194	1464	1884	
6	134461	70	9	2	1596	1963	-	
7	328511	65.8	9	1	1402	-	-	1
8	520690	63.9	9	2	1786	1920	-	
9	714924	73.9	9	2	1136	1334	-	
10	110788	84.6	9	2	1328	1373	-	
11	304515	99.4	9	1	1764	-	-	
12	497473	97.5	9	2	1172	1616	-	
13	691715	90.3	9	1	1759	-	-	
14	87099	79.7	9	1	1508	-	-	

Bin5 Statistics 19

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247178	88.3	17	2	1460	1436	-	1
1	418789	61.4	17	1	1019	-	-	
2	588278	80	17	2	1481	1286	-	
3	55656	79.3	17	2	1882	1322	-	
4	226736	86.8	17	1	1158	-	-	
5	396854	75	17	2	1345	1230	-	
6	568636	77.2	17	1	1078	-	-	
7	34606	75	17	3	1660	1020	1689	
8	205481	93.4	17	1	1849	-	-	
9	375707	64.4	17	2	1823	1007	-	
10	544833	87	17	3	1518	1355	1741	
11	13658	68.6	17	3	1396	1270	1228	
12	184594	81.2	17	1	1291	-	-	
13	355413	72	17	1	1423	-	-	
14	526385	94.3	17	1	1265	-	-	
15	694296	58	17	3	1281	1787	1210	
16	163589	80.1	17	1	1101	-	-	

Bin5 Statistics 20

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	334278	91	8	1	1613	-	-	
1	502780	81.9	8	3	1868	1845	1115	
2	674826	76.1	8	2	1527	1198	-	
3	142127	60.9	8	2	1227	1890	-	
4	312733	54.9	8	2	1331	1419	-	
5	484115	51.3	8	1	1513	-	-	
6	652019	99.4	8	3	1679	1811	1171	
7	121343	89.6	8	1	1892	-	-	
8	291864	70.6	8	2	1127	1294	-	1
9	462813	64.7	8	1	1907	-	-	
10	634332	51.5	8	1	1038	-	-	
11	100330	83	8	1	1766	-	-	
12	271349	86.1	8	1	1119	-	-	
13	441255	82.1	8	2	1458	1290	-	
14	609856	97.5	8	3	1956	1824	1187	
15	79372	91.9	8	1	1081	-	-	
16	249738	71.4	8	2	1561	1128	-	

Bin5 Statistics 21

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	356912	96.7	10	2	1339	1498	-	1
1	502939	96.8	10	1	1413	-	-	
2	49502	50.8	10	1	1725	-	-	
3	193723	56.1	10	3	1997	1302	1130	
4	339980	62.3	10	1	1237	-	-	
5	483267	98.3	10	2	1910	1711	-	
6	31582	90.9	10	2	1203	1411	-	
7	176771	94.9	10	1	1587	-	-	
8	322179	62.6	10	1	1077	-	-	
9	466537	79.8	10	2	1200	1029	-	
10	13723	60.6	10	2	1341	1825	-	
11	158994	54.3	10	1	1209	-	-	
12	303356	88.9	10	2	1719	1190	-	
13	449114	93.8	10	1	1650	-	-	
14	594477	69.7	10	1	1404	-	-	
15	140632	65.9	10	2	1364	1855	-	
16	285290	54.4	10	2	1482	1903	-	
17	431441	58.4	10	1	1369	-	-	
18	574569	65.5	10	3	1448	1055	1004	
19	122549	64.2	10	3	1147	1652	1655	

Bin5 Statistics 22

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	595810	68.8	15	3	1124	1451	1736	1
1	918447	83.4	15	3	1307	1397	1163	
2	1243069	60	15	1	1526	-	-	
3	233657	80.7	15	3	1965	1185	1841	
4	557292	89.7	15	1	1477	-	-	
5	879354	66.2	15	2	1067	1856	-	
6	1202567	60.3	15	2	1242	1076	-	
7	194425	75.6	15	1	1900	-	-	
8	516485	92	15	3	1166	1428	1506	

Bin5 Statistics 23

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	754971	57.2	6	3	1175	1072	1455	1
1	1046848	82.3	6	1	1715	-	-	
2	139199	89.5	6	1	1588	-	-	
3	429359	76.7	6	2	1801	1161	-	
4	719681	59.7	6	2	1714	1243	-	
5	1010089	75.4	6	2	1409	1444	-	
6	103147	97.5	6	3	1524	1027	1928	
7	393468	57.2	6	2	1686	1672	-	
8	683599	73.9	6	2	1878	1642	-	
9	972083	78.6	6	3	1819	1932	1857	

Bin5 Statistics 24

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	56292	83.7	9	1	1984	-	-	1
1	298635	85.2	9	1	1006	-	-	
2	540678	66	9	1	1456	-	-	
3	781815	92.3	9	2	1095	1691	-	
4	26399	71.5	9	3	1550	1542	1840	
5	268618	88.7	9	1	1648	-	-	
6	509837	85.3	9	3	1134	1146	1151	
7	752660	81.8	9	1	1941	-	-	
8	995567	70.9	9	1	1092	-	-	
9	238007	81.8	9	3	1472	1547	1915	
10	480114	67.1	9	2	1947	1382	-	
11	720993	81.6	9	3	1563	1880	1053	

Bin5 Statistics 25

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	643532	73.7	14	1	1023	-	-	1
1	138667	82	14	3	1032	1778	1368	
2	299892	77.6	14	2	1906	1054	-	
3	459982	52.6	14	3	1814	1065	1348	
4	621487	63.3	14	3	1118	1048	1162	
5	118834	86.8	14	3	1662	1743	1009	
6	280053	70.1	14	2	1629	1357	-	
7	441158	66.5	14	2	1494	1280	-	
8	602346	96.2	14	2	1206	1377	-	
9	99444	87.9	14	1	1773	-	-	
10	260693	65.2	14	1	1795	-	-	
11	421706	52.8	14	2	1066	1107	-	
12	583073	55.3	14	1	1937	-	-	
13	79567	97.5	14	1	1887	-	-	
14	240233	71.2	14	2	1986	1459	-	
15	401116	77.6	14	2	1602	1792	-	
16	561137	79.1	14	3	1205	1277	1908	
17	59598	68.4	14	2	1850	1250	-	

Bin5 Statistics 26

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	398380	72.3	8	1	1311	-	-	1
1	688952	58.7	8	1	1568	-	-	
2	980062	80.5	8	1	1014	-	-	
3	71762	79.8	8	2	1718	1062	-	
4	361484	81.8	8	3	1717	1553	1631	
5	652608	79.1	8	2	1300	1262	-	
6	942630	52.7	8	2	1791	1273	-	
7	36046	91.1	8	1	1109	-	-	
8	326366	88.5	8	2	1564	1191	-	
9	616473	92	8	2	1582	1685	-	

Bin5 Statistics 27

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	502797	54.3	16	2	1272	1777	-	1
1	128	84.4	16	2	1837	1525	-	
2	161108	89.4	16	2	1457	1461	-	
3	321935	93.8	16	2	1816	1417	-	
4	483752	74.9	16	1	1978	-	-	
5	645317	75.6	16	1	1610	-	-	
6	140942	58.5	16	3	1165	1668	1666	
7	302866	57.5	16	1	1585	-	-	
8	464284	99.1	16	1	1420	-	-	
9	623396	57.1	16	3	1164	1276	1353	
10	121512	62.1	16	2	1030	1549	-	
11	281863	60.6	16	3	1390	1720	1139	
12	444520	87.1	16	1	1256	-	-	
13	605343	57.3	16	1	1871	-	-	
14	101885	82.5	16	1	1192	-	-	
15	263031	95.8	16	1	1829	-	-	
16	422507	69.9	16	3	1702	1359	1539	
17	583013	63.1	16	3	1356	1761	1558	

Bin5 Statistics 28

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	134263	87	8	1	1344	-	-	1
1	398069	74	8	2	1058	1512	-	
2	660663	67.5	8	3	1703	1491	1615	
3	927068	57.6	8	1	1293	-	-	
4	101667	52.7	8	1	1832	-	-	
5	365415	52.5	8	2	1583	1405	-	
6	629549	59.4	8	2	1312	1193	-	
7	893480	58.3	8	2	1431	1125	-	
8	68936	51	8	3	1879	1683	1365	
9	332545	94	8	3	1606	1284	1304	
10	597549	50.1	8	1	1566	-	-	

Bin5 Statistics 29

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	524060	98.6	6	3	1440	1663	1096	1
1	22355	100	6	1	1412	-	-	
2	182851	72.2	6	3	1252	1247	1987	
3	344459	98.3	6	2	1110	1432	-	
4	504532	78.2	6	3	1443	1229	1182	
5	2472	62.1	6	3	1449	1100	1132	
6	163103	61.7	6	3	1225	1253	1869	
7	324613	98.5	6	2	1234	1320	-	
8	483842	71.4	6	3	1735	1360	1974	
9	647478	78	6	1	1806	-	-	
10	143468	79.7	6	3	1267	1001	1383	
11	305361	88.9	6	1	1274	-	-	
12	466456	63.7	6	1	1678	-	-	
13	626814	78.6	6	2	1507	1148	-	
14	123989	72	6	1	1889	-	-	
15	285282	56.2	6	1	1742	-	-	
16	446996	61.7	6	1	1073	-	-	
17	606114	71.7	6	3	1087	1050	1463	

Bin5 Statistics 30

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	98089	73.1	12	3	1934	1700	1729	
1	251535	97.3	12	1	1433	-	-	
2	403021	86.1	12	2	1826	1701	-	
3	555994	59.1	12	2	1037	1755	-	
4	79609	89.6	12	2	1628	1936	-	
5	232587	54.1	12	1	1765	-	-	
6	383377	64.4	12	3	1426	1775	1767	
7	535272	74.5	12	3	1738	1531	1790	
8	61028	96.8	12	1	1699	-	-	
9	213443	81.7	12	2	1612	1123	-	1
10	365221	86.9	12	3	1385	1216	1398	
11	517278	84.4	12	3	1521	1581	1080	
12	41993	66.5	12	3	1635	1695	1620	
13	194701	74.6	12	2	1530	1060	-	
14	345892	64.6	12	3	1104	1996	1951	
15	500753	57.3	12	1	1391	-	-	
16	23334	50.5	12	2	1499	1808	-	
17	175649	57.2	12	2	1611	1913	-	
18	327793	90	12	3	1303	1529	1036	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530.0	9	1.0	333	1	5579 5630 5696 5638 5712 5529 5281 5704 5305 5474 5513 5590 5272 5623 5647 5524 5415 5721 5574 5412 5283 5439 5621 5507 5684 5275 5422 5502 5485 5313 5256 5451 5534 5567 5369 5397 5452 5584 5500 5278 5401 5625 5631 5328 5258 5575 5499 5386 5519 5405 5430 5582 5390 5356 5536 5679 5309 5681 5549 5545 5508 5389 5463 5306 5377 5688 5484 5324 5274 5255 5385 5343 5476 5400 5672 5394 5572 5253 5446 5673 5368 5677 5263 5683 5595 5622 5373 5626 5551 5581 5367 5596 5492 5675 5372 5520 5382 5428 5503 5674 (number of hits: 17)
2	5530.0	9	1.0	333	1	5357 5450 5723 5664 5278 5597 5449 5373 5684 5274 5515 5634 5594 5543 5341 5614 5451 5367 5577 5492 5353 5259 5696 5356 5620 5656 5345 5429 5615 5471 5539 5435 5609 5689 5528 5595 5419 5319 5394 5488 5271 5628 5629 5486 5439 5598 5267 5447 5638 5704 5650 5677 5591 5602 5514 5348 5576 5714 5391 5444 5599 5270 5483 5560 5460 5330 5372 5630 5362 5445 5382 5320 5339 5547 5452 5264 5369 5261 5623 5516 5258 5643 5569 5257 5522

						5430	5366	5527	5275	5297
						5711	5416	5276	5359	5476
						5459	5335	5509	5518	5607
						(number of hits: 12)				
3	5530.0	9	1.0	333	1	5612	5689	5659	5350	5595
						5639	5374	5448	5372	5481
						5349	5423	5635	5263	5362
						5702	5578	5470	5525	5684
						5361	5425	5637	5445	5593
						5544	5672	5632	5341	5505
						5581	5324	5566	5429	5680
						5415	5558	5410	5665	5660
						5564	5334	5424	5679	5671
						5427	5721	5287	5703	5467
						5303	5565	5437	5302	5561
						5482	5301	5314	5357	5625
						5456	5308	5294	5394	5418
						5530	5609	5274	5619	5438
						5560	5588	5723	5695	5592
						5636	5304	5624	5461	5582
						5513	5686	5493	5363	5722
						5653	5614	5296	5443	5457
						5370	5524	5557	5641	5465
						5369	5299	5618	5535	5662
						(number of hits: 15)				
4	5530.0	9	1.0	333	1	5392	5453	5595	5511	5340
						5303	5396	5523	5535	5310
						5280	5687	5676	5458	5383
						5693	5608	5573	5570	5401
						5369	5591	5675	5437	5566
						5335	5621	5360	5445	5539
						5720	5688	5644	5454	5613
						5600	5501	5461	5416	5671
						5403	5417	5362	5347	5592
						5503	5407	5426	5723	5281
						5354	5343	5479	5519	5623
						5505	5670	5255	5286	5328
						5721	5315	5317	5379	5351
						5495	5404	5552	5313	5424
						5563	5699	5654	5561	5447
						5605	5616	5692	5294	5375
						5653	5442	5456	5259	5635
						5325	5421	5297	5377	5331

						5471	5306	5656	5252	5649
						5717	5664	5274	5553	5449
						(number of hits: 14)				
5	5530.0	9	1.0	333	1	5550	5692	5531	5672	5657
						5345	5321	5501	5698	5517
						5589	5573	5717	5653	5404
						5306	5260	5579	5615	5593
						5377	5660	5616	5526	5539
						5473	5563	5549	5287	5674
						5480	5384	5606	5433	5264
						5689	5257	5569	5585	5500
						5300	5587	5432	5290	5509
						5334	5619	5694	5655	5570
						5712	5423	5352	5383	5684
						5597	5580	5299	5375	5262
						5440	5680	5297	5318	5292
						5393	5572	5296	5355	5385
						5507	5663	5664	5675	5516
						5401	5590	5586	5327	5716
						5357	5259	5556	5395	5319
						5545	5575	5496	5477	5340
						5441	5666	5648	5647	5532
						5552	5582	5413	5530	5418
						(number of hits: 18)				
6	5530.0	9	1.0	333	1	5330	5456	5467	5261	5402
						5387	5343	5576	5289	5724
						5520	5362	5283	5373	5425
						5394	5682	5563	5310	5288
						5351	5557	5518	5512	5489
						5325	5669	5653	5607	5329
						5340	5502	5380	5253	5403
						5305	5625	5344	5499	5556
						5583	5713	5352	5683	5264
						5270	5592	5364	5290	5506
						5473	5356	5621	5326	5721
						5296	5571	5638	5312	5399
						5504	5645	5272	5718	5519
						5716	5429	5404	5566	5536
						5554	5493	5666	5513	5651
						5475	5424	5636	5567	5331
						5606	5304	5354	5454	5459
						5712	5282	5447	5633	5426
						5318	5395	5661	5580	5277

						5323	5632	5545	5414	5655
						(number of hits: 18)				
7	5530.0	9	1.0	333	1	5585	5695	5403	5422	5719
						5429	5268	5651	5452	5456
						5451	5626	5324	5471	5446
						5482	5514	5310	5608	5502
						5296	5420	5595	5607	5485
						5377	5274	5397	5379	5641
						5468	5549	5297	5717	5532
						5542	5396	5421	5497	5510
						5395	5288	5495	5680	5668
						5250	5675	5325	5343	5349
						5672	5415	5447	5618	5284
						5592	5596	5619	5633	5335
						5724	5579	5286	5342	5287
						5368	5614	5458	5339	5479
						5669	5362	5627	5434	5544
						5304	5548	5450	5587	5295
						5367	5254	5649	5459	5554
						5639	5598	5380	5566	5593
						5351	5586	5311	5385	5700
						5407	5713	5443	5393	5283
						(number of hits: 12)				
8	5530.0	9	1.0	333	1	5365	5459	5436	5583	5464
						5568	5290	5251	5615	5285
						5415	5666	5467	5473	5641
						5413	5653	5694	5304	5586
						5536	5599	5458	5265	5601
						5600	5483	5675	5510	5438
						5254	5457	5306	5271	5584
						5487	5692	5650	5424	5331
						5371	5492	5260	5677	5597
						5705	5283	5383	5396	5658
						5700	5708	5723	5270	5562
						5472	5546	5590	5287	5500
						5669	5411	5255	5707	5543
						5711	5404	5446	5253	5617
						5698	5465	5294	5686	5603
						5393	5718	5664	5350	5529
						5674	5560	5368	5527	5369
						5362	5493	5305	5259	5466
						5431	5717	5516	5592	5345
						5494	5339	5462	5697	5372
						(number of hits: 12)				

9	5530.0	9	1.0	333	1	5620	5320	5372	5269	5306
						5610	5690	5326	5303	5492
						5691	5679	5503	5386	5488
						5561	5671	5516	5698	5508
						5655	5477	5688	5431	5531
						5550	5328	5587	5709	5552
						5327	5686	5672	5458	5469
						5723	5578	5585	5425	5338
						5645	5454	5430	5500	5674
						5429	5685	5366	5441	5449
						5448	5479	5409	5299	5568
						5660	5407	5319	5665	5614
						5718	5653	5440	5656	5523
						5420	5392	5548	5297	5438
						5482	5352	5590	5309	5493
						5510	5354	5573	5624	5623
						5564	5265	5335	5268	5451
						5385	5490	5611	5681	5598
						5282	5347	5603	5356	5517
						5336	5254	5489	5521	5696
						(number of hits: 15)				
10	5530.0	9	1.0	333	1	5303	5559	5308	5430	5526
						5652	5712	5401	5466	5699
						5622	5565	5544	5581	5509
						5649	5323	5522	5646	5700
						5698	5346	5418	5680	5404
						5419	5402	5531	5691	5268
						5594	5313	5643	5315	5707
						5289	5387	5669	5381	5578
						5349	5484	5537	5368	5265
						5671	5358	5665	5449	5499
						5502	5335	5355	5585	5350
						5304	5391	5353	5276	5454
						5597	5528	5532	5448	5656
						5647	5479	5599	5567	5609
						5379	5488	5415	5464	5534
						5397	5287	5458	5311	5429
						5539	5491	5606	5683	5405
						5690	5653	5720	5274	5328
						5299	5436	5263	5431	5371
						5604	5316	5607	5615	5373
						(number of hits: 15)				
11	5530.0	9	1.0	333	1	5558	5323	5719	5591	5368

						5694	5637	5476	5532	5528
						5456	5354	5585	5301	5530
						5262	5450	5625	5691	5417
						5706	5415	5294	5377	5685
						5254	5302	5258	5677	5600
						5384	5487	5429	5382	5652
						5256	5263	5717	5306	5408
						5290	5665	5548	5460	5555
						5286	5401	5393	5592	5675
						5464	5690	5250	5406	5577
						5520	5601	5479	5305	5642
						5293	5698	5404	5633	5400
						5611	5434	5270	5431	5452
						5682	5569	5383	5318	5661
						5379	5338	5576	5643	5291
						5390	5511	5629	5536	5707
						5253	5489	5724	5627	5271
						5607	5590	5695	5539	5411
						5388	5606	5523	5546	5355
						(number of hits: 12)				
12	5530.0	9	1.0	333	1	5338	5562	5655	5277	5588
						5358	5659	5551	5695	5260
						5387	5618	5626	5399	5253
						5577	5261	5609	5617	5581
						5397	5286	5350	5573	5678
						5365	5521	5336	5300	5566
						5557	5270	5633	5307	5568
						5473	5448	5506	5652	5259
						5325	5719	5648	5287	5594
						5528	5615	5518	5511	5487
						5582	5462	5452	5482	5415
						5619	5362	5405	5544	5377
						5706	5685	5546	5311	5703
						5591	5507	5354	5530	5682
						5705	5500	5460	5410	5704
						5400	5572	5550	5635	5331
						5442	5543	5401	5296	5433
						5351	5455	5607	5441	5284
						5449	5701	5713	5274	5407
						5255	5505	5569	5323	5262
						(number of hits: 17)				
13	5530.0	9	1.0	333	1	5593	5326	5591	5438	5430
						5400	5584	5626	5383	5467

						5318	5407	5667	5594	5572
						5341	5704	5356	5306	5625
						5650	5338	5375	5323	5364
						5530	5568	5370	5342	5552
						5514	5485	5310	5602	5707
						5564	5659	5663	5573	5408
						5657	5413	5284	5523	5508
						5698	5576	5277	5361	5638
						5503	5668	5713	5466	5365
						5316	5595	5363	5348	5360
						5491	5618	5529	5534	5317
						5456	5390	5265	5372	5399
						5589	5309	5386	5369	5692
						5396	5531	5412	5441	5464
						5614	5546	5314	5550	5475
						5395	5532	5647	5391	5719
						5699	5631	5521	5262	5336
						5403	5451	5329	5460	5504
						(number of hits: 15)				
14	5530.0	9	1.0	333	1	5276	5565	5527	5502	5650
						5442	5606	5701	5546	5296
						5627	5671	5708	5314	5593
						5429	5259	5459	5254	5518
						5633	5341	5376	5367	5252
						5479	5404	5481	5441	5471
						5603	5559	5325	5371	5655
						5612	5337	5577	5412	5588
						5595	5653	5281	5355	5488
						5306	5537	5617	5639	5712
						5339	5554	5282	5536	5410
						5553	5270	5310	5560	5319
						5489	5540	5533	5450	5615
						5405	5426	5572	5264	5288
						5575	5362	5622	5716	5539
						5512	5664	5454	5299	5611
						5686	5449	5689	5374	5267
						5440	5446	5305	5370	5556
						5250	5258	5513	5538	5317
						5320	5301	5430	5432	5280
						(number of hits: 18)				
15	5530.0	9	1.0	333	1	5531	5329	5463	5663	5492
						5484	5301	5612	5503	5558
						5557	5274	5509	5614	5517

						5386	5465	5299	5710	5544
						5507	5317	5456	5269	5615
						5331	5499	5455	5341	5523
						5330	5428	5343	5711	5620
						5413	5271	5408	5587	5491
						5251	5671	5436	5321	5278
						5284	5468	5389	5595	5670
						5429	5588	5515	5605	5371
						5262	5257	5266	5602	5500
						5379	5668	5521	5705	5478
						5354	5365	5307	5534	5566
						5640	5561	5606	5385	5716
						5581	5685	5360	5585	5493
						5344	5564	5260	5687	5608
						5352	5337	5459	5308	5400
						5553	5665	5721	5353	5298
						5555	5372	5304	5296	5312
						(number of hits: 20)				
16	5530.0	9	1.0	333	1	5311	5568	5399	5349	5712
						5623	5553	5376	5300	5710
						5392	5346	5315	5704	5635
						5508	5513	5344	5427	5552
						5576	5258	5448	5717	5406
						5658	5605	5559	5375	5565
						5316	5385	5558	5485	5343
						5459	5301	5265	5502	5279
						5374	5561	5275	5591	5472
						5653	5723	5464	5691	5656
						5460	5560	5676	5357	5556
						5690	5673	5639	5650	5395
						5423	5686	5579	5469	5542
						5303	5401	5614	5329	5272
						5547	5609	5709	5692	5540
						5557	5480	5253	5474	5596
						5674	5516	5627	5698	5352
						5470	5397	5554	5273	5354
						5388	5411	5359	5655	5600
						5572	5669	5291	5638	5487
						(number of hits: 17)				
17	5530.0	9	1.0	333	1	5566	5332	5335	5510	5554
						5665	5478	5451	5463	5539
						5323	5610	5453	5327	5656
						5596	5640	5671	5389	5716

						5560	5267	5296	5537	5690
						5294	5607	5333	5663	5409
						5704	5680	5342	5298	5637
						5638	5691	5550	5572	5418
						5416	5501	5362	5312	5326
						5369	5520	5428	5555	5614
						5301	5581	5718	5392	5707
						5646	5383	5523	5545	5405
						5492	5304	5368	5518	5502
						5415	5365	5252	5437	5349
						5696	5309	5630	5709	5558
						5668	5499	5526	5600	5299
						5455	5373	5687	5297	5316
						5338	5505	5255	5360	5271
						5616	5477	5683	5576	5263
						5440	5686	5482	5567	5270
						(number of hits: 19)				
18	5530.0	9	1.0	333	1	5724	5571	5271	5671	5299
						5707	5500	5526	5626	5254
						5399	5494	5522	5677	5684
						5292	5337	5433	5471	5336
						5712	5529	5663	5560	5459
						5536	5443	5666	5416	5411
						5361	5258	5641	5368	5668
						5330	5340	5542	5250	5469
						5366	5449	5311	5638	5672
						5257	5468	5594	5568	5283
						5260	5681	5467	5464	5498
						5689	5484	5410	5350	5328
						5458	5566	5676	5376	5656
						5491	5353	5478	5616	5310
						5644	5398	5720	5442	5436
						5625	5322	5553	5383	5502
						5613	5633	5629	5420	5581
						5359	5406	5266	5371	5675
						5721	5703	5537	5465	5627
						5369	5694	5407	5447	5316
						(number of hits: 13)				
19	5530.0	9	1.0	333	1	5504	5335	5682	5357	5519
						5371	5425	5601	5692	5478
						5563	5663	5535	5717	5698
						5297	5322	5402	5382	5625
						5479	5502	5653	5618	5636

						5448	5408	5264	5493	5477
						5313	5555	5256	5631	5656
						5397	5257	5261	5346	5341
						5654	5709	5363	5281	5291
						5721	5255	5310	5258	5470
						5269	5334	5349	5407	5314
						5446	5418	5688	5508	5455
						5562	5415	5355	5279	5629
						5404	5389	5412	5488	5383
						5550	5602	5337	5634	5620
						5417	5367	5365	5432	5547
						5561	5499	5430	5633	5568
						5558	5449	5410	5498	5701
						5431	5377	5679	5720	5592
						5434	5606	5472	5405	5648
						(number of hits: 15)				
20	5530.0	9	1.0	333	1	5284	5574	5618	5518	5361
						5413	5447	5676	5380	5307
						5494	5452	5576	5437	5719
						5288	5449	5408	5427	5342
						5487	5571	5691	5610	5609
						5714	5260	5467	5597	5511
						5444	5688	5371	5337	5476
						5536	5348	5532	5499	5255
						5493	5708	5601	5474	5360
						5685	5271	5329	5363	5620
						5346	5445	5385	5438	5705
						5258	5634	5372	5403	5327
						5426	5594	5580	5300	5586
						5552	5350	5590	5351	5698
						5653	5434	5340	5483	5596
						5376	5388	5631	5495	5557
						5711	5624	5496	5625	5410
						5443	5275	5414	5364	5424
						5480	5646	5464	5262	5647
						5418	5261	5488	5575	5615
						(number of hits: 11)				
21	5530.0	9	1.0	333	1	5539	5338	5554	5582	5581
						5455	5372	5276	5543	5514
						5425	5617	5535	5265	5376
						5576	5511	5375	5534	5398
						5262	5632	5699	5602	5587
						5670	5701	5545	5494	5430

						5645	5586	5489	5674	5675
						5536	5328	5274	5644	5332
						5413	5714	5357	5517	5251
						5412	5416	5410	5600	5524
						5436	5527	5528	5580	5347
						5326	5593	5397	5723	5270
						5720	5418	5378	5393	5523
						5387	5530	5448	5615	5316
						5671	5440	5475	5335	5683
						5508	5299	5476	5334	5555
						5371	5400	5687	5493	5345
						5439	5349	5406	5370	5282
						5415	5519	5719	5286	5486
						5680	5346	5279	5702	5402
						(number of hits: 20)				
22	5530.0	9	1.0	333	1	5319	5577	5490	5268	5423
						5497	5394	5351	5706	5721
						5259	5602	5658	5255	5286
						5464	5703	5614	5420	5251
						5406	5331	5573	5691	5555
						5536	5301	5330	5579	5704
						5263	5494	5717	5627	5599
						5427	5655	5496	5477	5382
						5451	5446	5495	5332	5469
						5297	5476	5700	5487	5713
						5524	5535	5280	5308	5343
						5271	5377	5532	5287	5250
						5679	5339	5472	5265	5340
						5418	5485	5657	5443	5656
						5294	5652	5628	5345	5457
						5586	5665	5467	5372	5540
						5439	5666	5369	5562	5722
						5292	5442	5492	5617	5606
						5585	5393	5282	5483	5629
						5349	5306	5633	5690	5334
						(number of hits: 11)				
23	5530.0	9	1.0	333	1	5477	5341	5426	5429	5643
						5636	5319	5297	5453	5665
						5391	5699	5450	5307	5552
						5355	5717	5465	5443	5414
						5497	5514	5305	5528	5281
						5388	5504	5434	5613	5578
						5683	5559	5444	5415	5692

						5381	5718	5492	5580	5569
						5582	5579	5318	5622	5448
						5375	5686	5293	5522	5562
						5352	5401	5538	5327	5371
						5626	5709	5498	5637	5506
						5697	5707	5557	5602	5285
						5340	5421	5362	5572	5610
						5696	5543	5408	5427	5253
						5524	5273	5488	5438	5363
						5678	5631	5435	5390	5260
						5342	5508	5279	5590	5420
						5262	5616	5651	5694	5410
						5337	5467	5527	5328	5409
						(number of hits: 16)				
24	5530.0	9	1.0	333	1	5257	5580	5362	5590	5485
						5678	5341	5501	5460	5282
						5499	5655	5265	5645	5328
						5543	5385	5345	5510	5325
						5566	5552	5297	5644	5337
						5707	5635	5647	5717	5669
						5516	5659	5664	5512	5520
						5334	5288	5355	5483	5421
						5662	5256	5387	5445	5682
						5569	5661	5351	5478	5449
						5606	5577	5589	5416	5375
						5315	5339	5663	5688	5456
						5652	5486	5428	5706	5638
						5370	5398	5307	5502	5251
						5546	5403	5687	5493	5296
						5534	5419	5615	5313	5320
						5498	5720	5447	5392	5374
						5555	5691	5306	5601	5588
						5427	5451	5425	5685	5651
						5308	5283	5701	5410	5404
						(number of hits: 15)				
25	5530.0	9	1.0	333	1	5512	5441	5298	5276	5705
						5720	5363	5576	5623	5489
						5430	5444	5403	5365	5349
						5631	5351	5458	5449	5333
						5257	5493	5386	5474	5435
						5664	5264	5681	5284	5558
						5473	5399	5341	5710	5562
						5425	5559	5508	5494	5260

						5367	5669	5627	5442	5611
						5549	5269	5409	5531	5714
						5482	5278	5640	5505	5673
						5637	5527	5617	5306	5653
						5659	5289	5552	5694	5318
						5274	5364	5319	5337	5614
						5297	5302	5323	5712	5581
						5379	5646	5416	5677	5400
						5392	5326	5445	5484	5658
						5384	5272	5452	5566	5423
						5464	5280	5471	5607	5622
						5630	5340	5447	5532	5615
						(number of hits: 14)				
26	5530.0	9	1.0	333	1	5292	5680	5709	5437	5547
						5287	5288	5651	5311	5696
						5361	5330	5444	5463	5370
						5719	5639	5454	5503	5641
						5341	5423	5434	5378	5447
						5323	5516	5638	5368	5715
						5326	5430	5517	5590	5530
						5701	5452	5661	5408	5671
						5450	5607	5295	5439	5443
						5529	5352	5584	5601	5358
						5691	5496	5581	5571	5472
						5533	5321	5717	5625	5652
						5695	5662	5268	5373	5349
						5567	5483	5395	5698	5649
						5258	5605	5334	5536	5723
						5381	5436	5551	5721	5467
						5623	5606	5415	5388	5379
						5712	5478	5636	5613	5656
						5512	5449	5558	5502	5546
						5718	5572	5498	5707	5509
						(number of hits: 17)				
27	5530.0	9	1.0	333	1	5450	5444	5645	5598	5292
						5426	5310	5251	5377	5525
						5670	5594	5485	5658	5391
						5332	5291	5557	5548	5358
						5252	5492	5472	5467	5420
						5589	5465	5269	5274	5433
						5387	5257	5267	5350	5365
						5704	5723	5339	5322	5510
						5533	5545	5535	5372	5509

						5435	5428	5637	5709	5630
						5305	5697	5686	5504	5407
						5584	5457	5478	5641	5388
						5692	5409	5656	5459	5286
						5564	5684	5652	5657	5681
						5362	5324	5546	5482	5715
						5309	5378	5662	5526	5475
						5256	5430	5676	5326	5619
						5593	5297	5461	5575	5500
						5691	5346	5392	5496	5255
						5360	5460	5338	5333	5385
						(number of hits: 14)				
28	5530.0	9	1.0	333	1	5705	5683	5581	5284	5609
						5468	5710	5326	5540	5257
						5601	5383	5526	5378	5412
						5323	5418	5660	5593	5550
						5260	5658	5413	5459	5393
						5477	5317	5472	5673	5308
						5507	5322	5344	5516	5548
						5504	5320	5519	5589	5711
						5349	5616	5483	5300	5530
						5301	5489	5518	5486	5690
						5278	5488	5331	5318	5394
						5520	5372	5382	5401	5475
						5579	5572	5529	5289	5684
						5686	5641	5348	5391	5254
						5564	5636	5292	5277	5506
						5685	5523	5650	5437	5343
						5576	5559	5263	5404	5387
						5438	5570	5696	5384	5258
						5496	5491	5625	5627	5654
						5592	5612	5449	5590	5591
						(number of hits: 17)				
29	5530.0	9	1.0	333	1	5485	5447	5517	5348	5354
						5510	5257	5401	5703	5464
						5532	5647	5567	5573	5433
						5411	5448	5288	5541	5267
						5268	5252	5548	5366	5365
						5266	5675	5302	5342	5549
						5308	5301	5687	5668	5368
						5546	5315	5722	5663	5321
						5421	5443	5527	5608	5469
						5601	5543	5364	5507	5369

						5483	5343	5694	5707	5336
						5591	5307	5446	5708	5262
						5571	5693	5702	5630	5412
						5590	5384	5698	5621	5367
						5330	5278	5280	5355	5661
						5482	5619	5324	5580	5353
						5669	5519	5568	5275	5674
						5429	5326	5498	5665	5564
						5338	5506	5656	5253	5536
						5679	5609	5667	5565	5487
						(number of hits: 17)				
30	5530.0	9	1.0	333	1	5265	5686	5453	5509	5671
						5552	5657	5476	5391	5293
						5366	5436	5608	5454	5499
						5575	5294	5586	5459	5654
						5418	5392	5637	5339	5631
						5593	5403	5406	5376	5688
						5672	5258	5330	5442	5566
						5685	5502	5683	5420	5636
						5404	5359	5524	5537	5449
						5684	5505	5321	5430	5715
						5669	5641	5638	5290	5306
						5601	5320	5362	5427	5516
						5525	5528	5576	5710	5539
						5323	5433	5416	5645	5402
						5264	5380	5679	5441	5491
						5444	5723	5605	5304	5300
						5635	5595	5272	5394	5332
						5643	5461	5382	5529	5389
						5514	5346	5259	5598	5691
						5722	5549	5385	5365	5655
						(number of hits: 15)				

AP Mode
Pine Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	100.0 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	90.0 %	60%	Pass
Aggregate (Type1 to 4)	120	95 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	99	1.0	538	1
2	95	1.0	558	1
3	92	1.0	578	1
4	72	1.0	738	1
5	74	1.0	718	0
6	89	1.0	598	1
7	102	1.0	518	1
8	65	1.0	818	1
9	58	1.0	918	1
10	57	1.0	938	1
11	63	1.0	838	1
12	78	1.0	678	1
13	86	1.0	618	1
14	70	1.0	758	1
15	81	1.0	658	1
16	53	1.0	997	1
17	22	1.0	2402	1
18	21	1.0	2547	1
19	33	1.0	1607	1
20	56	1.0	952	1
21	56	1.0	944	1
22	90	1.0	591	1
23	67	1.0	788	1
24	33	1.0	1640	1
25	18	1.0	3023	1
26	31	1.0	1749	1
27	20	1.0	2742	1
28	19	1.0	2830	1
29	25	1.0	2142	1
30	26	1.0	2088	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	1.1	173	1
2	23	1.7	192	1
3	26	2.5	163	1
4	28	1.8	215	1
5	27	3.1	179	1
6	26	1.5	189	1
7	25	4.7	155	1
8	29	2	162	1
9	23	3	160	1
10	27	3.8	152	1
11	23	3.3	197	1
12	24	1.7	178	1
13	25	2.2	226	1
14	29	4.8	209	1
15	27	4.1	183	1
16	27	2	170	1
17	24	2.9	181	1
18	27	2.5	150	1
19	27	4	191	1
20	27	4.7	205	1
21	29	4.2	229	1
22	23	3.9	158	1
23	24	1.6	199	1
24	25	3.6	154	1
25	28	4	151	1
26	24	1.7	210	1
27	28	1.6	196	1
28	25	4.4	221	1
29	28	4.6	202	1
30	29	1.6	156	1
Detection Percentage: 100.0 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.3	272	1
2	16	7.2	430	1
3	17	7.9	424	1
4	18	9.3	218	1
5	17	7.3	455	1
6	17	7	367	0
7	17	6.2	204	1
8	18	8	387	1
9	16	6.7	243	1
10	17	7.1	478	1
11	16	6.9	495	0
12	16	8.4	280	1
13	16	9.9	276	1
14	18	8.7	260	1
15	18	8.9	254	1
16	17	8.5	228	1
17	16	9.4	349	1
18	17	6.2	259	1
19	18	6.2	472	1
20	18	9.6	456	1
21	18	6.4	269	1
22	16	7.2	324	1
23	16	6.4	425	1
24	17	6.5	217	1
25	18	9.7	290	1
26	16	6.7	278	1
27	18	9	476	1
28	16	10	291	1
29	18	7	266	1
30	18	8.7	466	1
Detection Percentage: 93.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	13.1	414	1
2	12	15.6	454	1
3	14	12.1	412	0
4	15	11.9	229	1
5	15	12.8	270	1
6	14	17.7	379	0
7	13	12.3	381	1
8	16	16.1	365	1
9	12	16.3	495	1
10	15	16.7	304	1
11	12	16.1	469	1
12	13	12.9	248	1
13	13	13.8	413	1
14	16	16.8	359	1
15	15	12.7	314	1
16	15	15.3	446	0
17	13	11.3	297	1
18	15	15.4	436	1
19	15	14.8	281	1
20	15	19.4	240	1
21	16	14.2	463	1
22	12	19.1	264	1
23	12	14.8	268	1
24	13	18.5	423	1
25	15	18.9	378	1
26	12	12	482	1
27	15	18.9	437	1
28	13	13.3	452	1
29	16	19.5	357	1
30	16	17.3	216	1
Detection Percentage: 90 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5499.0	1
12	5495.0	1
13	5495.0	1
14	5493.0	1
15	5495.0	1
16	5497.0	1
17	5494.0	1
18	5496.0	1
19	5495.0	1
20	5494.0	1
21	5504.0	1
22	5506.0	1
23	5502.0	1
24	5503.0	1
25	5502.0	1
26	5503.0	1
27	5502.0	1
28	5506.0	1
29	5501.0	1
30	5503.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	486406	85.6	13	1	1168	-	-	1
1	750347	94	13	1	1684	-	-	
2	1013558	90.9	13	2	1324	1392	-	
3	189041	93	13	3	1316	1658	1147	
4	453166	79.4	13	2	1748	1065	-	
5	717125	82.6	13	2	1254	1466	-	
6	981154	87.3	13	2	1586	1013	-	
7	156491	76.9	13	3	1755	1004	1935	
8	421212	75.7	13	1	1383	-	-	
9	684189	65.2	13	2	1590	1808	-	
10	949811	83.3	13	1	1257	-	-	

Bin5 Statistics 2

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	152092	96	13	1	1473	-	-	1
1	475143	62	13	1	1382	-	-	
2	796163	55.2	13	3	1915	1833	1005	
3	1117830	75.7	13	3	1719	1806	1888	
4	112172	66.2	13	2	1470	1570	-	
5	435163	68.3	13	1	1960	-	-	
6	757385	65.3	13	2	1887	1264	-	
7	1078962	64.3	13	3	1767	1400	1258	
8	72356	57.1	13	3	1463	1222	1713	

Bin5 Statistics 3

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	253442	68.4	16	3	1028	1361	1351	1
1	461362	53.8	16	1	1992	-	-	
2	669097	73.1	16	1	1565	-	-	
3	20999	60	16	2	1504	1082	-	
4	227619	68.1	16	3	1832	1624	1513	
5	435915	58	16	1	1796	-	-	
6	641443	81.9	16	3	1597	1177	1575	
7	850806	96.9	16	1	1802	-	-	
8	202174	91.5	16	3	1697	1555	1664	
9	408832	52.3	16	3	1814	1319	1852	
10	616858	62.6	16	2	1854	1261	-	
11	822576	93.6	16	3	1531	1750	1296	
12	176866	79.2	16	3	1581	1248	1355	
13	384718	90.6	16	1	2000	-	-	

Bin5 Statistics 4

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	459007	59.8	19	3	1472	1161	1130	1
1	619276	61.9	19	3	1780	1149	1375	
2	117637	93.5	19	3	1350	1329	1176	
3	279215	54.3	19	1	1889	-	-	
4	439635	92.3	19	2	1435	1676	-	
5	601338	93.1	19	2	1226	1034	-	
6	98189	53.4	19	1	1464	-	-	
7	258426	63.5	19	3	1323	1098	1849	
8	418192	99.1	19	3	1904	1905	1863	
9	581566	61	19	2	1100	1073	-	
10	78133	64.7	19	2	1495	1522	-	
11	238422	70.5	19	3	1762	1837	1269	
12	399416	98	19	3	1577	1436	1047	
13	560421	60	19	2	1797	1906	-	
14	58470	84.3	19	1	1163	-	-	
15	219335	99.7	19	2	1314	1485	-	
16	380451	76.5	19	2	1396	1216	-	
17	542478	79.9	19	1	1419	-	-	

Bin5 Statistics 5

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	43277	75.4	6	2	1857	1777	-	1
1	224243	85.4	6	3	1515	1111	1178	
2	405839	79.8	6	2	1510	1152	-	
3	587751	81.7	6	1	1823	-	-	
4	20983	70.9	6	3	1302	1150	1081	
5	202600	80.8	6	1	1406	-	-	
6	382919	74.9	6	3	1416	1052	1352	
7	563921	71.4	6	2	1792	1989	-	
8	745100	50.6	6	2	1770	1813	-	
9	180289	90.4	6	1	1188	-	-	
10	361732	85.4	6	1	1535	-	-	
11	543158	73.4	6	1	1672	-	-	
12	724809	52.5	6	1	1509	-	-	
13	157769	89.8	6	1	1900	-	-	
14	338720	66.7	6	2	1759	1214	-	
15	521119	71.5	6	1	1218	-	-	

Bin5 Statistics 6

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	861470	95.4	10	3	1973	1260	1909	1
1	166136	63.7	10	3	1659	1761	1868	
2	389357	72.7	10	3	1007	1193	1604	
3	614164	64	10	1	1020	-	-	
4	837599	73	10	1	1233	-	-	
5	139316	71.3	10	1	1332	-	-	
6	362441	53.6	10	2	1164	1253	-	
7	584072	54.8	10	3	1278	1758	1987	
8	808481	54.8	10	2	1528	1501	-	
9	111383	62	10	3	1300	1430	1872	
10	334545	95.4	10	3	1404	1002	1088	
11	558823	97.6	10	1	1432	-	-	
12	781382	60	10	2	1074	1499	-	

Bin5 Statistics 7

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	91244	71.9	13	1	1648	-	-	1
1	333372	62.5	13	1	1660	-	-	
2	574460	91.9	13	2	1598	1867	-	
3	816500	75.9	13	2	1209	1830	-	
4	61342	82.7	13	2	1730	1175	-	
5	303180	68.1	13	2	1340	1529	-	
6	545524	93.9	13	1	1938	-	-	
7	786984	60.8	13	2	1462	1239	-	
8	31492	78.1	13	3	1734	1661	1482	
9	272726	91.1	13	3	1439	1998	1858	
10	514677	62.6	13	3	1429	1409	1095	
11	757897	79.5	13	1	1769	-	-	

Bin5 Statistics 8

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1060	70.9	19	1	1685	-	-	1
1	145523	92.4	19	3	1836	1412	1086	
2	291386	63	19	1	1468	-	-	
3	434229	78.1	19	3	1771	1595	1283	
4	580677	75.6	19	2	1413	1120	-	
5	128245	58.4	19	1	1926	-	-	
6	273562	74.9	19	1	1344	-	-	
7	418505	53.7	19	1	1702	-	-	
8	562655	76.4	19	2	1653	1064	-	
9	110112	64.7	19	2	1475	1890	-	
10	255089	70.6	19	2	1594	1128	-	
11	399904	76.9	19	2	1446	1342	-	
12	546294	62.4	19	1	1091	-	-	
13	92628	56.9	19	1	1166	-	-	
14	237742	54	19	1	1474	-	-	
15	383045	81.7	19	1	1252	-	-	
16	526336	74.9	19	2	1995	1438	-	
17	74324	76.9	19	3	1053	1735	1695	
18	219926	58.8	19	1	1298	-	-	
19	365104	85.5	19	1	1341	-	-	

Bin5 Statistics 9

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1133371	77.3	12	3	1143	1507	1061	1
1	126148	61.3	12	3	1471	1908	1119	
2	449473	78.8	12	1	1415	-	-	
3	770683	77.9	12	3	1737	1782	1039	
4	1093843	93.6	12	2	1681	1794	-	
5	86451	97.6	12	3	1207	1774	1503	
6	408559	69.8	12	3	1617	1810	1643	
7	731089	71.6	12	3	1070	1997	1305	
8	1054508	72.8	12	2	1605	1374	-	

Bin5 Statistics 10

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26239	60.7	14	3	1284	1420	1519	1
1	207885	67.2	14	1	1444	-	-	
2	389326	72.6	14	1	1651	-	-	
3	570819	60.1	14	1	1657	-	-	
4	3975	84.6	14	1	1312	-	-	
5	185527	52.1	14	1	1427	-	-	
6	367014	79	14	1	1559	-	-	
7	548641	90.7	14	1	1414	-	-	
8	730523	76.8	14	1	1079	-	-	
9	162469	79.2	14	3	1327	1929	1356	
10	344086	53.6	14	2	1156	1639	-	
11	524278	70.4	14	3	1573	1201	1484	
12	705296	93.9	14	3	1534	1232	1331	
13	140788	83.7	14	1	1490	-	-	
14	321026	57.2	14	3	1953	1512	1043	
15	501590	91.9	14	3	1884	1437	1546	

Bin5 Statistics 11

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1369441	64.9	19	3	1611	1125	1729	1
1	237090	63.4	19	1	1488	-	-	
2	600404	75.8	19	1	1795	-	-	
3	964067	64.1	19	1	1326	-	-	
4	1324516	62.1	19	3	1118	1984	1641	
5	192334	85.9	19	1	1402	-	-	
6	555582	51.2	19	1	1968	-	-	
7	916821	82.2	19	3	1941	1966	1453	

Bin5 Statistics 12

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	931714	77.1	11	2	1212	1167	-	1
1	107261	52.2	11	1	1614	-	-	
2	371452	59.5	11	1	1607	-	-	
3	634508	63.5	11	2	1911	1640	-	
4	899610	85.2	11	1	1877	-	-	
5	74748	84.5	11	1	1197	-	-	
6	338758	78.1	11	2	1031	1063	-	
7	602048	88.6	11	2	1547	1961	-	
8	867022	53.2	11	1	1944	-	-	
9	42148	81	11	2	1159	1213	-	
10	305289	65.7	11	3	1637	1932	1873	

Bin5 Statistics 13

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	522940	97.5	11	1	1609	-	-	1
1	764391	98.1	11	2	1153	1357	-	
2	8814	66.7	11	2	1913	1665	-	
3	251066	77.9	11	1	1237	-	-	
4	492061	54.8	11	3	1334	1291	1115	
5	732589	75.1	11	3	1902	1441	1886	
6	977205	91.1	11	1	1804	-	-	
7	220853	98.2	11	2	1688	1243	-	
8	462027	97.7	11	3	1787	1173	1365	
9	703461	55.2	11	3	1831	1108	1454	
10	947216	65	11	1	1982	-	-	
11	190735	83.5	11	3	1647	1506	1511	

Bin5 Statistics 14

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	258534	77.7	5	3	1613	1230	1677	1
1	404152	71.6	5	2	1536	1217	-	
2	549816	86	5	1	1869	-	-	
3	96411	78.6	5	3	1060	1846	1058	
4	240619	84.1	5	3	1630	1972	1227	
5	385802	94.1	5	2	1717	1820	-	
6	529720	57.5	5	3	1295	1701	1377	
7	78552	60.7	5	3	1728	1358	1281	
8	223437	74.8	5	2	1680	1552	-	
9	369464	66	5	1	1138	-	-	
10	513327	90.4	5	2	1478	1265	-	
11	60924	83.1	5	2	1584	1151	-	
12	205453	82.3	5	3	1405	1279	1000	
13	351497	92.6	5	1	1267	-	-	
14	494136	65.4	5	3	1751	1389	1228	
15	42900	55.4	5	3	1981	1835	1434	
16	187535	92.3	5	3	1768	1110	1134	
17	333729	51.1	5	1	1054	-	-	
18	476008	65	5	3	1205	1700	1881	
19	25211	67.1	5	2	1686	1703	-	

Bin5 Statistics 15

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	212758	62.8	9	2	1194	1732	-	1
1	393900	67.9	9	2	1068	1946	-	
2	575254	59.7	9	2	1450	1322	-	
3	9253	93.9	9	2	1448	1307	-	
4	190568	98.3	9	2	1241	1180	-	
5	371096	85.5	9	3	1275	1433	1290	
6	553780	71	9	1	1625	-	-	
7	735288	89	9	1	1621	-	-	
8	167797	71	9	3	1384	1783	1199	
9	348966	87.8	9	3	1240	1399	1023	
10	531769	53.5	9	1	1137	-	-	
11	709761	77	9	3	1683	1287	1979	
12	145993	62	9	1	1952	-	-	
13	327057	68.8	9	2	1460	1318	-	
14	509463	81.9	9	1	1041	-	-	
15	691005	91.9	9	1	1154	-	-	

Bin5 Statistics 16

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	123177	99.3	16	3	1171	1662	1954	1
1	304663	55.8	16	2	1411	1541	-	
2	484638	94	16	3	1645	1336	1828	
3	668069	94.6	16	1	1786	-	-	
4	101064	95.8	16	2	1824	1855	-	
5	281564	70.2	16	3	1879	1423	1716	
6	464397	90.9	16	1	1551	-	-	
7	646234	81.5	16	1	1187	-	-	
8	78989	57.6	16	1	1593	-	-	
9	260512	83.7	16	1	1560	-	-	
10	441951	95.7	16	1	1698	-	-	
11	621305	62.3	16	3	1629	1301	1328	
12	56662	59.6	16	1	1172	-	-	
13	238117	85.6	16	1	1675	-	-	
14	419097	55.8	16	2	1425	1162	-	
15	599921	96.6	16	2	1397	1747	-	

Bin5 Statistics 17

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	49740	90.2	8	3	1347	1461	1917	
1	313100	97.9	8	3	1945	1587	1451	
2	577568	70.6	8	2	1386	1530	-	
3	841299	59.7	8	2	1238	1862	-	
4	17295	61.9	8	3	1599	1029	1825	
5	280505	92.2	8	3	1749	1922	1907	1
6	544987	80.4	8	2	1395	1678	-	
7	807236	98.6	8	3	1798	1634	1773	
8	1074210	73.1	8	1	1497	-	-	
9	248757	68.5	8	2	1259	1362	-	
10	513053	89.7	8	1	1874	-	-	

Bin5 Statistics 18

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	567527	87.1	12	3	1099	1826	1818	
1	760768	62.4	12	3	1582	1571	1208	
2	158447	63.4	12	2	1449	1141	-	
3	352469	71	12	1	1174	-	-	
4	545179	63.5	12	2	1292	1388	-	
5	737199	60.6	12	3	1859	1089	1195	
6	134548	73.5	12	2	1669	1376	-	
7	328377	56.2	12	1	1726	-	-	1
8	521186	86.4	12	2	1914	1032	-	
9	714282	57.1	12	2	1325	1861	-	
10	110740	70.5	12	2	1148	1893	-	
11	304788	71.4	12	1	1048	-	-	
12	497345	92.6	12	2	1385	1608	-	
13	691902	77.1	12	1	1542	-	-	
14	87153	78.3	12	1	1009	-	-	

Bin5 Statistics 19

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247278	86.2	10	2	1090	1520	-	1
1	418553	64.6	10	1	1417	-	-	
2	588383	89.9	10	2	1211	1431	-	
3	55635	58.6	10	2	1937	1526	-	
4	226581	79.3	10	1	1638	-	-	
5	396696	85.5	10	2	1778	1077	-	
6	568586	81.9	10	1	1140	-	-	
7	34584	56.9	10	3	1165	1817	1827	
8	205657	86.8	10	1	1246	-	-	
9	375695	64.1	10	2	1373	1480	-	
10	544731	98.3	10	3	1424	1690	1632	
11	13648	72.1	10	3	1465	1456	1486	
12	184450	80	10	1	1843	-	-	
13	355350	57	10	1	1549	-	-	
14	526227	75.5	10	1	1477	-	-	
15	693272	95.4	10	3	1724	1633	1955	
16	163551	71.4	10	1	1266	-	-	

Bin5 Statistics 20

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	334105	77.2	7	1	1978	-	-	
1	503448	80.6	7	3	1346	1262	1288	
2	674708	53.7	7	2	1403	1445	-	
3	142067	69	7	2	1518	1894	-	
4	312618	94.3	7	2	1170	1838	-	
5	484070	62.6	7	1	1578	-	-	
6	651375	82.1	7	3	1757	1646	1951	
7	121367	51.6	7	1	1752	-	-	
8	291322	86.1	7	2	1779	1948	-	1
9	462755	79.4	7	1	1996	-	-	
10	633815	69.4	7	1	1612	-	-	
11	100413	89.4	7	1	1184	-	-	
12	271118	69.7	7	1	1721	-	-	
13	440864	76.5	7	2	1943	1428	-	
14	610767	78	7	3	1062	1011	1847	
15	79314	82.6	7	1	1600	-	-	
16	249634	83.7	7	2	1103	1878	-	

Bin5 Statistics 21

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	356741	55.9	12	2	1556	1566	-	1
1	503051	65.8	12	1	1280	-	-	
2	49520	58.6	12	1	1516	-	-	
3	193809	64.4	12	3	1038	1603	1525	
4	339568	89.2	12	1	1963	-	-	
5	483092	54.2	12	2	1897	1940	-	
6	31556	55.1	12	2	1567	1548	-	
7	176909	55.4	12	1	1117	-	-	
8	321745	76.6	12	1	1883	-	-	
9	465972	56.8	12	2	1918	1036	-	
10	13722	65.3	12	2	1964	1255	-	
11	158875	88.5	12	1	1655	-	-	
12	303615	93.6	12	2	1116	1282	-	
13	449225	99.2	12	1	1502	-	-	
14	594412	60.9	12	1	1469	-	-	
15	140615	61.8	12	2	1928	1360	-	
16	285882	99.1	12	2	1022	1126	-	
17	431413	94.2	12	1	1408	-	-	
18	573765	62	12	3	1333	1527	1481	
19	122545	73.3	12	3	1487	1631	1354	

Bin5 Statistics 22

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	595775	59.2	7	3	1256	1999	1135	1
1	918163	92	7	3	1558	1010	1710	
2	1243277	51.9	7	1	1303	-	-	
3	233676	57.8	7	3	1822	1229	1834	
4	557486	57	7	1	1015	-	-	
5	879424	93.2	7	2	1793	1024	-	
6	1202025	56	7	2	1727	1191	-	
7	194422	62.5	7	1	1921	-	-	
8	516469	67.5	7	3	1096	1069	1975	

Bin5 Statistics 23

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	753860	67.1	18	3	1691	1931	1841	1
1	1046770	87.7	18	1	1803	-	-	
2	139223	70.2	18	1	1381	-	-	
3	429217	89.5	18	2	1949	1407	-	
4	719318	96.4	18	2	1576	1985	-	
5	1010069	51.1	18	2	1763	1114	-	
6	103119	59.6	18	3	1585	1285	1933	
7	393544	86.7	18	2	1892	1234	-	
8	683662	56.9	18	2	1589	1821	-	
9	973497	88	18	3	1033	1493	1345	

Bin5 Statistics 24

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	56327	76.4	15	1	1366	-	-	1
1	298469	98.7	15	1	1561	-	-	
2	540394	63.6	15	1	1983	-	-	
3	781398	67.7	15	2	1602	1715	-	
4	26399	55.8	15	3	1865	1123	1936	
5	268592	66.8	15	1	1745	-	-	
6	509036	63.1	15	3	1225	1805	1967	
7	752848	92.6	15	1	1693	-	-	
8	995234	80.2	15	1	1426	-	-	
9	238273	58.5	15	3	1046	1668	1107	
10	480562	77.6	15	2	1387	1012	-	
11	721014	70.6	15	3	1706	1723	1040	

Bin5 Statistics 25

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	642948	82.3	17	1	1627	-	-	1
1	138414	65.9	17	3	1538	1970	1882	
2	299925	59.3	17	2	1204	1682	-	
3	459111	74.4	17	3	1916	1572	1994	
4	620820	64	17	3	1018	1231	1791	
5	118953	63.9	17	3	1304	1169	1273	
6	280049	50.8	17	2	1072	1925	-	
7	441427	57.4	17	2	1294	1075	-	
8	601397	96.1	17	2	1875	1754	-	
9	99529	98.2	17	1	1203	-	-	
10	260919	92.7	17	1	1220	-	-	
11	421326	87.9	17	2	1458	1313	-	
12	583186	59.4	17	1	1809	-	-	
13	79655	69.2	17	1	1157	-	-	
14	240290	95.1	17	2	1845	1442	-	
15	401503	99	17	2	1190	1564	-	
16	560920	97.3	17	3	1950	1670	1026	
17	59639	98.1	17	2	1066	1588	-	

Bin5 Statistics 26

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	398364	51.2	14	1	1359	-	-	1
1	689277	75.1	14	1	1003	-	-	
2	979555	92.1	14	1	1635	-	-	
3	71714	56.1	14	2	1606	1980	-	
4	361792	85.7	14	3	1206	1185	1494	
5	652082	74.7	14	2	1738	1789	-	
6	942636	95.7	14	2	1785	1271	-	
7	36046	74.2	14	1	1129	-	-	
8	326538	96.2	14	2	1042	1083	-	
9	616740	91	14	2	1215	1533	-	

Bin5 Statistics 27

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	502947	93.9	18	2	1580	1272	-	1
1	127	50.6	18	2	1919	1959	-	
2	161169	75.8	18	2	1102	1562	-	
3	321921	53.9	18	2	1455	1807	-	
4	484423	90	18	1	1056	-	-	
5	645548	96.6	18	1	1372	-	-	
6	140964	55.3	18	3	1443	1339	1615	
7	302744	54.3	18	1	1853	-	-	
8	464075	80.2	18	1	1720	-	-	
9	622858	71.9	18	3	1306	1410	1649	
10	121372	87.2	18	2	1364	1977	-	
11	281787	95.8	18	3	1080	1508	1840	
12	444565	85.8	18	1	1189	-	-	
13	605954	99.6	18	1	1200	-	-	
14	101898	92	18	1	1106	-	-	
15	263135	78.2	18	1	1568	-	-	
16	422429	56	18	3	1901	1725	1097	
17	583350	75.7	18	3	1532	1142	1619	

Bin5 Statistics 28

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	134218	58.3	8	1	1711	-	-	1
1	397695	86.6	8	2	1903	1689	-	
2	661043	71.8	8	3	1736	1309	1139	
3	926933	64.1	8	1	1452	-	-	
4	101694	95.4	8	1	1544	-	-	
5	365387	82.2	8	2	1891	1179	-	
6	629371	57.2	8	2	1618	1196	-	
7	893163	52.5	8	2	1459	1483	-	
8	68950	78.5	8	3	1391	1650	1652	
9	332553	76.2	8	3	1071	1247	1850	
10	597588	80.3	8	1	1496	-	-	

Bin5 Statistics 29

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	523442	84.6	19	3	1666	1338	1976	1
1	22358	78.8	19	1	1311	-	-	
2	183009	89.8	19	3	1766	1093	1055	
3	343809	67.8	19	2	1957	1839	-	
4	504422	59.9	19	3	1158	1021	1819	
5	2466	63.6	19	3	1899	1673	1920	
6	163143	95.4	19	3	1085	1712	1390	
7	324417	72.3	19	2	1393	1563	-	
8	484217	88.7	19	3	1122	1851	1583	
9	647754	98	19	1	1523	-	-	
10	143209	62.9	19	3	1219	1958	1667	
11	305083	63.9	19	1	1880	-	-	
12	466755	90.7	19	1	1251	-	-	
13	627077	68.8	19	2	1133	1244	-	
14	124103	75.3	19	1	1277	-	-	
15	285272	60.8	19	1	1765	-	-	
16	446532	55.5	19	1	1764	-	-	
17	605276	89.3	19	3	1521	1321	1674	

Bin5 Statistics 30

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	98264	92.6	16	3	1101	1790	1353	
1	251363	64.2	16	1	1864	-	-	
2	403159	57.4	16	2	1799	1514	-	
3	555544	68.6	16	2	1760	1540	-	
4	79603	70	16	2	1866	1744	-	
5	232665	65.9	16	1	1553	-	-	
6	383232	59.5	16	3	1692	1871	1642	
7	535978	69.2	16	3	1186	1699	1348	
8	61083	79.7	16	1	1136	-	-	
9	213326	55.3	16	2	1965	1112	-	1
10	364649	93.7	16	3	1876	1221	1885	
11	517178	96.8	16	3	1947	1308	1049	
12	42044	87.4	16	3	1517	1663	1019	
13	194672	68	16	2	1369	1315	-	
14	345950	79.1	16	3	1656	1479	1811	
15	500511	74	16	1	1696	-	-	
16	23330	95.6	16	2	1489	1934	-	
17	175714	93.2	16	2	1912	1380	-	
18	326935	97.4	16	3	1775	1812	1923	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence				
1	5500.0	9	1.0	333	1	5429	5481	5270	5397	5551
						5553	5627	5344	5337	5366
						5260	5494	5328	5541	5453
						5608	5250	5637	5456	5428
						5665	5315	5589	5319	5681
						5447	5529	5549	5455	5423
						5560	5377	5630	5579	5502
						5446	5316	5711	5404	5690
						5417	5409	5540	5440	5359
						5298	5411	5702	5325	5348
						5680	5482	5597	5430	5513
						5636	5659	5614	5676	5258
						5599	5626	5484	5651	5302
						5463	5498	5318	5504	5588
						5385	5420	5598	5294	5719
						5575	5582	5279	5339	5721
						5694	5689	5444	5531	5427
						5603	5507	5617	5703	5489
						5667	5607	5292	5301	5370
						5610	5390	5709	5450	5356
						(number of hits: 5)				
2	5500.0	9	1.0	333	1	5357	5450	5723	5664	5278
						5597	5449	5373	5684	5274
						5515	5634	5594	5543	5341
						5614	5451	5367	5577	5492
						5353	5259	5696	5356	5620
						5656	5345	5429	5615	5471
						5539	5435	5609	5689	5528
						5595	5419	5319	5394	5488
						5271	5628	5629	5486	5439
						5598	5267	5447	5638	5704
						5650	5677	5591	5602	5514
						5348	5576	5714	5391	5444
						5599	5270	5483	5560	5460
						5330	5372	5630	5362	5445
						5382	5320	5339	5547	5452
						5264	5369	5261	5623	5516
						5258	5643	5569	5257	5522
						5430	5366	5527	5275	5297

						5711	5416	5276	5359	5476
						5459	5335	5509	5518	5607
						(number of hits: 1)				
3	5500.0	9	1.0	333	1	5612	5689	5659	5350	5595
						5639	5374	5448	5372	5481
						5349	5423	5635	5263	5362
						5702	5578	5470	5525	5684
						5361	5425	5637	5445	5593
						5544	5672	5632	5341	5505
						5581	5324	5566	5429	5680
						5415	5558	5410	5665	5660
						5564	5334	5424	5679	5671
						5427	5721	5287	5703	5467
						5303	5565	5437	5302	5561
						5482	5301	5314	5357	5625
						5456	5308	5294	5394	5418
						5530	5609	5274	5619	5438
						5560	5588	5723	5695	5592
						5636	5304	5624	5461	5582
						5513	5686	5493	5363	5722
						5653	5614	5296	5443	5457
						5370	5524	5557	5641	5465
						5369	5299	5618	5535	5662
						(number of hits: 2)				
4	5500.0	9	1.0	333	1	5392	5453	5595	5511	5340
						5303	5396	5523	5535	5310
						5280	5687	5676	5458	5383
						5693	5608	5573	5570	5401
						5369	5591	5675	5437	5566
						5335	5621	5360	5445	5539
						5720	5688	5644	5454	5613
						5600	5501	5461	5416	5671
						5403	5417	5362	5347	5592
						5503	5407	5426	5723	5281
						5354	5343	5479	5519	5623
						5505	5670	5255	5286	5328
						5721	5315	5317	5379	5351
						5495	5404	5552	5313	5424
						5563	5699	5654	5561	5447
						5605	5616	5692	5294	5375
						5653	5442	5456	5259	5635
						5325	5421	5297	5377	5331
						5471	5306	5656	5252	5649

						5717	5664	5274	5553	5449
						(number of hits: 4)				
5	5500.0	9	1.0	333	1	5550	5692	5531	5672	5657
						5345	5321	5501	5698	5517
						5589	5573	5717	5653	5404
						5306	5260	5579	5615	5593
						5377	5660	5616	5526	5539
						5473	5563	5549	5287	5674
						5480	5384	5606	5433	5264
						5689	5257	5569	5585	5500
						5300	5587	5432	5290	5509
						5334	5619	5694	5655	5570
						5712	5423	5352	5383	5684
						5597	5580	5299	5375	5262
						5440	5680	5297	5318	5292
						5393	5572	5296	5355	5385
						5507	5663	5664	5675	5516
						5401	5590	5586	5327	5716
						5357	5259	5556	5395	5319
						5545	5575	5496	5477	5340
						5441	5666	5648	5647	5532
						5552	5582	5413	5530	5418
						(number of hits: 4)				
6	5500.0	9	1.0	333	1	5330	5456	5467	5261	5402
						5387	5343	5576	5289	5724
						5520	5362	5283	5373	5425
						5394	5682	5563	5310	5288
						5351	5557	5518	5512	5489
						5325	5669	5653	5607	5329
						5340	5502	5380	5253	5403
						5305	5625	5344	5499	5556
						5583	5713	5352	5683	5264
						5270	5592	5364	5290	5506
						5473	5356	5621	5326	5721
						5296	5571	5638	5312	5399
						5504	5645	5272	5718	5519
						5716	5429	5404	5566	5536
						5554	5493	5666	5513	5651
						5475	5424	5636	5567	5331
						5606	5304	5354	5454	5459
						5712	5282	5447	5633	5426
						5318	5395	5661	5580	5277
						5323	5632	5545	5414	5655
						(number of hits: 5)				

7	5500.0	9	1.0	333	1	5585	5695	5403	5422	5719
						5429	5268	5651	5452	5456
						5451	5626	5324	5471	5446
						5482	5514	5310	5608	5502
						5296	5420	5595	5607	5485
						5377	5274	5397	5379	5641
						5468	5549	5297	5717	5532
						5542	5396	5421	5497	5510
						5395	5288	5495	5680	5668
						5250	5675	5325	5343	5349
						5672	5415	5447	5618	5284
						5592	5596	5619	5633	5335
						5724	5579	5286	5342	5287
						5368	5614	5458	5339	5479
						5669	5362	5627	5434	5544
						5304	5548	5450	5587	5295
						5367	5254	5649	5459	5554
						5639	5598	5380	5566	5593
						5351	5586	5311	5385	5700
						5407	5713	5443	5393	5283
						(number of hits: 3)				
8	5500.0	9	1.0	333	1	5365	5459	5436	5583	5464
						5568	5290	5251	5615	5285
						5415	5666	5467	5473	5641
						5413	5653	5694	5304	5586
						5536	5599	5458	5265	5601
						5600	5483	5675	5510	5438
						5254	5457	5306	5271	5584
						5487	5692	5650	5424	5331
						5371	5492	5260	5677	5597
						5705	5283	5383	5396	5658
						5700	5708	5723	5270	5562
						5472	5546	5590	5287	5500
						5669	5411	5255	5707	5543
						5711	5404	5446	5253	5617
						5698	5465	5294	5686	5603
						5393	5718	5664	5350	5529
						5674	5560	5368	5527	5369
						5362	5493	5305	5259	5466
						5431	5717	5516	5592	5345
						5494	5339	5462	5697	5372
						(number of hits: 4)				
9	5500.0	9	1.0	333	1	5620	5320	5372	5269	5306

						5610 5690 5326 5303 5492 5691 5679 5503 5386 5488 5561 5671 5516 5698 5508 5655 5477 5688 5431 5531 5550 5328 5587 5709 5552 5327 5686 5672 5458 5469 5723 5578 5585 5425 5338 5645 5454 5430 5500 5674 5429 5685 5366 5441 5449 5448 5479 5409 5299 5568 5660 5407 5319 5665 5614 5718 5653 5440 5656 5523 5420 5392 5548 5297 5438 5482 5352 5590 5309 5493 5510 5354 5573 5624 5623 5564 5265 5335 5268 5451 5385 5490 5611 5681 5598 5282 5347 5603 5356 5517 5336 5254 5489 5521 5696 (number of hits: 5)
10	5500.0	9	1.0	333	1	5303 5559 5308 5430 5526 5652 5712 5401 5466 5699 5622 5565 5544 5581 5509 5649 5323 5522 5646 5700 5698 5346 5418 5680 5404 5419 5402 5531 5691 5268 5594 5313 5643 5315 5707 5289 5387 5669 5381 5578 5349 5484 5537 5368 5265 5671 5358 5665 5449 5499 5502 5335 5355 5585 5350 5304 5391 5353 5276 5454 5597 5528 5532 5448 5656 5647 5479 5599 5567 5609 5379 5488 5415 5464 5534 5397 5287 5458 5311 5429 5539 5491 5606 5683 5405 5690 5653 5720 5274 5328 5299 5436 5263 5431 5371 5604 5316 5607 5615 5373 (number of hits: 2)
11	5500.0	9	1.0	333	0	
12	5500.0	9	1.0	333	1	5338 5562 5655 5277 5588 5358 5659 5551 5695 5260

						5387	5618	5626	5399	5253
						5577	5261	5609	5617	5581
						5397	5286	5350	5573	5678
						5365	5521	5336	5300	5566
						5557	5270	5633	5307	5568
						5473	5448	5506	5652	5259
						5325	5719	5648	5287	5594
						5528	5615	5518	5511	5487
						5582	5462	5452	5482	5415
						5619	5362	5405	5544	5377
						5706	5685	5546	5311	5703
						5591	5507	5354	5530	5682
						5705	5500	5460	5410	5704
						5400	5572	5550	5635	5331
						5442	5543	5401	5296	5433
						5351	5455	5607	5441	5284
						5449	5701	5713	5274	5407
						5255	5505	5569	5323	5262
						(number of hits: 4)				
13	5500.0	9	1.0	333	1	5593	5326	5591	5438	5430
						5400	5584	5626	5383	5467
						5318	5407	5667	5594	5572
						5341	5704	5356	5306	5625
						5650	5338	5375	5323	5364
						5530	5568	5370	5342	5552
						5514	5485	5310	5602	5707
						5564	5659	5663	5573	5408
						5657	5413	5284	5523	5508
						5698	5576	5277	5361	5638
						5503	5668	5713	5466	5365
						5316	5595	5363	5348	5360
						5491	5618	5529	5534	5317
						5456	5390	5265	5372	5399
						5589	5309	5386	5369	5692
						5396	5531	5412	5441	5464
						5614	5546	5314	5550	5475
						5395	5532	5647	5391	5719
						5699	5631	5521	5262	5336
						5403	5451	5329	5460	5504
						(number of hits: 3)				
14	5500.0	9	1.0	333	1	5276	5565	5527	5502	5650
						5442	5606	5701	5546	5296
						5627	5671	5708	5314	5593

						5429	5259	5459	5254	5518
						5633	5341	5376	5367	5252
						5479	5404	5481	5441	5471
						5603	5559	5325	5371	5655
						5612	5337	5577	5412	5588
						5595	5653	5281	5355	5488
						5306	5537	5617	5639	5712
						5339	5554	5282	5536	5410
						5553	5270	5310	5560	5319
						5489	5540	5533	5450	5615
						5405	5426	5572	5264	5288
						5575	5362	5622	5716	5539
						5512	5664	5454	5299	5611
						5686	5449	5689	5374	5267
						5440	5446	5305	5370	5556
						5250	5258	5513	5538	5317
						5320	5301	5430	5432	5280
						(number of hits: 1)				
15	5500.0	9	1.0	333	1	5531	5329	5463	5663	5492
						5484	5301	5612	5503	5558
						5557	5274	5509	5614	5517
						5386	5465	5299	5710	5544
						5507	5317	5456	5269	5615
						5331	5499	5455	5341	5523
						5330	5428	5343	5711	5620
						5413	5271	5408	5587	5491
						5251	5671	5436	5321	5278
						5284	5468	5389	5595	5670
						5429	5588	5515	5605	5371
						5262	5257	5266	5602	5500
						5379	5668	5521	5705	5478
						5354	5365	5307	5534	5566
						5640	5561	5606	5385	5716
						5581	5685	5360	5585	5493
						5344	5564	5260	5687	5608
						5352	5337	5459	5308	5400
						5553	5665	5721	5353	5298
						5555	5372	5304	5296	5312
						(number of hits: 6)				
16	5500.0	9	1.0	333	1	5311	5568	5399	5349	5712
						5623	5553	5376	5300	5710
						5392	5346	5315	5704	5635
						5508	5513	5344	5427	5552

						5576	5258	5448	5717	5406
						5658	5605	5559	5375	5565
						5316	5385	5558	5485	5343
						5459	5301	5265	5502	5279
						5374	5561	5275	5591	5472
						5653	5723	5464	5691	5656
						5460	5560	5676	5357	5556
						5690	5673	5639	5650	5395
						5423	5686	5579	5469	5542
						5303	5401	5614	5329	5272
						5547	5609	5709	5692	5540
						5557	5480	5253	5474	5596
						5674	5516	5627	5698	5352
						5470	5397	5554	5273	5354
						5388	5411	5359	5655	5600
						5572	5669	5291	5638	5487
						(number of hits: 2)				
17	5500.0	9	1.0	333	1	5566	5332	5335	5510	5554
						5665	5478	5451	5463	5539
						5323	5610	5453	5327	5656
						5596	5640	5671	5389	5716
						5560	5267	5296	5537	5690
						5294	5607	5333	5663	5409
						5704	5680	5342	5298	5637
						5638	5691	5550	5572	5418
						5416	5501	5362	5312	5326
						5369	5520	5428	5555	5614
						5301	5581	5718	5392	5707
						5646	5383	5523	5545	5405
						5492	5304	5368	5518	5502
						5415	5365	5252	5437	5349
						5696	5309	5630	5709	5558
						5668	5499	5526	5600	5299
						5455	5373	5687	5297	5316
						5338	5505	5255	5360	5271
						5616	5477	5683	5576	5263
						5440	5686	5482	5567	5270
						(number of hits: 5)				
18	5500.0	9	1.0	333	1	5724	5571	5271	5671	5299
						5707	5500	5526	5626	5254
						5399	5494	5522	5677	5684
						5292	5337	5433	5471	5336
						5712	5529	5663	5560	5459