Dynamic Frequency Selection (DFS) Test Report

AIR-AP1815T-x-K9

(x=A,B)

Cisco Aironet 802.11ac Dual Band Access Points

FCC ID: LDK102107
IC: 2461B-102107

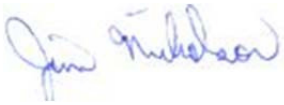
5250-5350, 5470-5725 MHz

Against the following Specifications:

CFR47 Part 15.407

RSS247

Cisco Systems
170 West Tasman Drive
San Jose, CA 95134



Author: Jose Aguirre
Tested By: Jose Aguirre

Approved By: Jim Nicholson
Title: Technical Leader, Engineering
Revision: 4

This report replaces any previously entered test report under EDCS –11563522. This test report has been electronically authorized and archived using the CISCO Engineering Document Control system.

This test report has been electronically authorized and archived using the CISCO Engineering Document Control system.

Section 1: Overview

The samples were assessed against the tests detailed in section 3 under the requirements of the following specifications:

Specifications:
CFR47 Part 15.407 RSS-247

RSS-247 section A9.3a allows the use of applicable FCC KDBs
Measurements were made in accordance with

- KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

Section 2: Assessment Information

2.1 General

This report contains an assessment of an apparatus against Electromagnetic Compatibility Standards based upon tests carried out on the samples submitted. The testing was performed by and for the use of Cisco systems Inc:

With regard to this assessment, the following points should be noted:

a) The results contained in this report relate only to the items tested and were obtained in the period between the date of the initial assessment and the date of issue of the report. Manufactured products will not necessarily give identical results due to production and measurement tolerances.

b) The apparatus was set up and exercised using the configuration and modes of operation defined in this report only.

c) Where relevant, the apparatus was only assessed using the susceptibility criteria defined in this report and the Test Assessment Plan (TAP).

d) All testing was performed under the following environmental conditions:

Temperature	15°C to 35°C (54°F to 95°F)
Atmospheric Pressure	860mbar to 1060mbar (25.4" to 31.3")
Humidity	10% to 75*%

e) All AC testing was performed at one or more of the following supply voltages:
110V 60 Hz (+/-20%)

Units of Measurement

The units of measurements defined in the appendices are reported in specific terms, which are test dependent. Where radiated measurements are concerned these are defined at a particular distance. Basic voltage measurements are defined in units of [dBuV]

As an example, the basic calculation for all measurements is as follows:

Emission level [dBuV] = Indicated voltage level [dBuV] + Cable Loss [dB] + Other correction factors [dB]

The combinations of correction factors are dependent upon the exact test configurations [see test equipment lists for further details] and may include:-

Antenna Factors, Pre Amplifier Gain, LISN Loss, Pulse Limiter Loss and Filter Insertion Loss..

Note: to convert the results from dBuV/m to uV/m use the following formula:-

Level in uV/m = Common Antilogarithm [(X dBuV/m)/20] = Y uV/m

Measurement Uncertainty Values

voltage and power measurements	± 2 dB
conducted EIRP measurements	± 1.4 dB
radiated measurements	± 3.2 dB
frequency measurements	± 2.4 10-7
temperature measurements	± 0.54º
humidity measurements	± 2.3%
DC and low frequency measurements	± 2.5%

Where relevant measurement uncertainty levels have been estimated for tests performed on the apparatus. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Radiated emissions (expanded uncertainty, confidence interval 95%)

30 MHz - 300 MHz	+/- 3.8 dB
300 MHz - 1000 MHz	+/- 4.3 dB
1 GHz - 10 GHz	+/- 4.0 dB
10 GHz - 18GHz	+/- 8.2 dB
18GHz - 26.5GHz	+/- 4.1 dB
26.5GHz - 40GHz	+/- 3.9 dB

Conducted emissions (expanded uncertainty, confidence interval 95%)

30 MHz – 40GHz	+/- 0.38 dB

A product is considered to comply with a requirement if the nominal measured value is below the limit line. The product is considered to not be in compliance in case the nominal measured value is above the limit line.

2.2 Date of testing

02-Feb-17 - 02-Feb-17

2.3 Report Issue Date

07-Feb-17

Cisco uses an electronic system to issue, store and control the revision of test reports. This system is called the Engineering Document Control System (EDCS). The actual report issue date is embedded into the original file on EDCS. Any copies of this report, either electronic or paper, that are not on EDCS must be considered uncontrolled.

2.4 Testing facilities

This assessment was performed by:

Testing Laboratory

Cisco Systems, Inc.,
125 West Tasman Drive
San Jose, CA 95134, USA

Registration Numbers for Industry Canada

Cisco System Site	Address	Site Identifier
Building P, 10m Chamber	125 West Tasman Dr San Jose, CA 95134	Company #: 2461N-2
Building P, 5m Chamber	125 West Tasman Dr San Jose, CA 95134	Company #: 2461N-1
Building I, 5m Chamber	285 W. Tasman Drive San Jose, California 95134	Company #: 2461M-1

Test Engineers

Jose Aguirre

2.5 Equipment Assessed (EUT)

AIR-AP1815T-B-K9

Section 3: Result Summary

3.1 Results Summary Table

Conducted emissions

Basic Standard	Technical Requirements / Details	Result
FCC 15.407 RSS-247	Dynamic Frequency Selection (DFS) Detection Threshold	Pass
FCC 15.407 RSS-247	Channel Availability Check Time	Pass
FCC 15.407 RSS-247	Channel Move Time	Pass
FCC 15.407 RSS-247	Channel Closing Time	Pass
FCC 15.407 RSS-247	Non-Occupancy Period	Pass
FCC 15.407 RSS-247	U-NII Detection Bandwidth	Pass

Section 4: Sample Details

Note: Each sample was evaluated to ensure that its condition was suitable to be used as a test sample prior to the commencement of testing.

4.1 Sample Details

Sample No.	Equipment Details	Manufacturer	Hardware Rev.	Firmware Rev.	Software Rev.	Serial Number
S01	AIR-AP1815T-B-K9	Cisco Systems	P2	28bb3ae 8d7576e 238bd6a 752bdc8 dc74	8.4.1.10	RFDP3AMT057
S02	AIR-PWR-C	Meanwell	A0	NA	NA	EB46E93226
S03	AIR-CAP3702I-A-K9	Cisco Systems	01	Uboot 2012.07	Linux ver 3.14.33	FCW19448XKK

4.2 System Details

System Number	Description	Samples	System under test	Support equipment
1	AIR-AP1815T-B-K9	S01	☑	☐
	Support Power Supply	S02	☐	☑
	Support Client Equipment	S03	☐	☑

4.3 Mode of Operation Details

Mode#	Description	Comments
1	Continuous Transmitting	Continuous Transmitting

All measurements were made in accordance with

- KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

Appendix A: Dynamic Frequency Selection (DFS)

15.407: U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

U-NII devices operating in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

A.1 UNII Device Description

1. The Cisco Aironet 802.11ac Module operates in the following bands:
    a. 5150-5250 MHz
    b. 5250-5350 MHz
    c. 5470-5725 MHz
    d. 5725-5850 MHz

2. The maximum EIRP of the 5GHz equipment is 29 dBm, and the minimum possible EIRP is 10 dBm.

   Below are the available 50 ohm antenna assemblies and their corresponding gains. 0dBi gain was used to set the -63 dBm threshold level (-64dBm +1 dB) during calibration of the test setup.

Frequency	Part Number	Antenna Type	Antenna Gain (dBi)
5GHz	Internal	omnidirectional	3

3. System testing was performed with the designated MPEG test file that streams full motion video at 30 frames per second from the Master to the Client IP based system.

4. The Master requires 98.5 seconds to complete its power-on cycle.

5. Information regarding the parameters of the detected Radar Waveforms is not available to the end user.

6. For the 5250-5350 MHz and 5470-5725 MHz bands, the Master device provides, on aggregate, uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.

A.2 DFS Detection Thresholds

1. **Interference Threshold values, Master or Client incorporating In-Service Monitoring**

Maximum Transmit Power	**Value (See Notes 1, 2, and 3)**
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/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 v02r01.	

2. **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 U-NII 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.	

A.3 Radar Test Waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

1. Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Numbers 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	Roundup$\left\{ \left(\frac{1}{360}\right) \cdot \left(\frac{19 \cdot 10^6}{\mathrm{PRI}_{\mu\mathrm{sec}}}\right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 shall only be used for the channel availability and detection bandwidth tests. It should be noted that any of the radar test waveforms 0 – 4 can be used for the channel availability and detection bandwidth tests.					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 µsec is selected, the number of pulses would be $\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{3066}\right)\right\} = \text{Roundup}\{17.2\} = 18$

Table 5a – Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355.0	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139.0	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections.

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	35	29	82.9%
2	30	18	60%
3	30	27	90%
4	50	44	88%
Aggregate (82.9% + 60% + 90% + 88%)/4 = 80.2%			

2. Long Pulse Radar Test Waveform

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

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms.

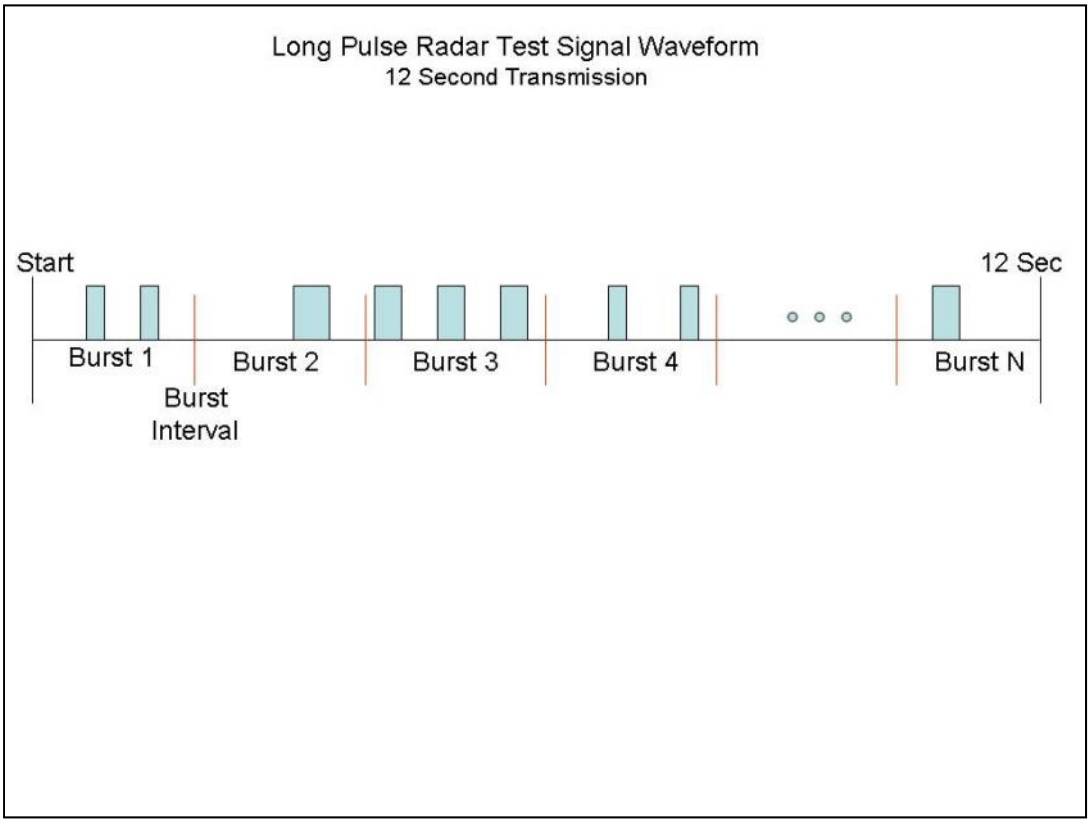
Each waveform is defined as follows:

1) The transmission period for the Long Pulse Radar test signal is 12 seconds.
2) There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
3) Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
4) The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
5) Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Each pulse within a transmission period will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
6) If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
7) The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst Count. Each interval is of length (12,000,000 / Burst Count) microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and [(12,000,000 / Burst Count) – (Total Burst Length) + (One Random PRI Interval)] microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen randomly.

A representative example of a Long Pulse radar test waveform:

1) The total test signal length is 12 seconds.
2) 8 Bursts are randomly generated for the Burst Count.
3) Burst 1 has 2 randomly generated pulses.
4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.
5) The PRI is randomly selected to be at 1213 microseconds.
6) Bursts 2 through 8 are generated using steps 3 – 5.
7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

Graphical Representation of a Long Pulse radar Test Waveform



3. Long Pulse Radar Test Waveform

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

For the Frequency Hopping Radar Type, the same *Burst* parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected[1] from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

Appendix B: Dynamic Frequency Selection / Test Results

Standards Reference:
FCC 15.407 / RSS-247

Test Procedure

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

Test parameters
Span = 0 Hz RBW ≥ 3 MHz VBW ≥ 3 MHz Detector = Peak Trace = Single Sweep

System Number	Description	Samples	System under test	Support equipment
1	AIR-AP1815T-B-K9	S01	☑	☐
	Support Power Supply	S02	☐	☑
	Support Client Equipment	S03	☐	☑

Tested By :
Jose Aguirre

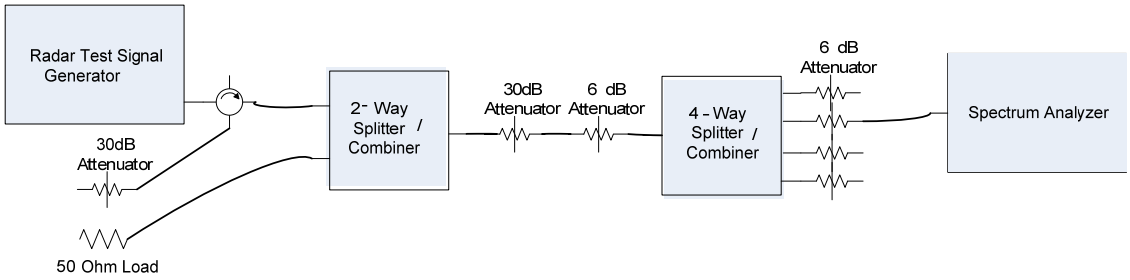
Date of testing:
02-Feb-17 - 02-Feb-17

Test Result : PASS

See Appendix C for list of test equipment

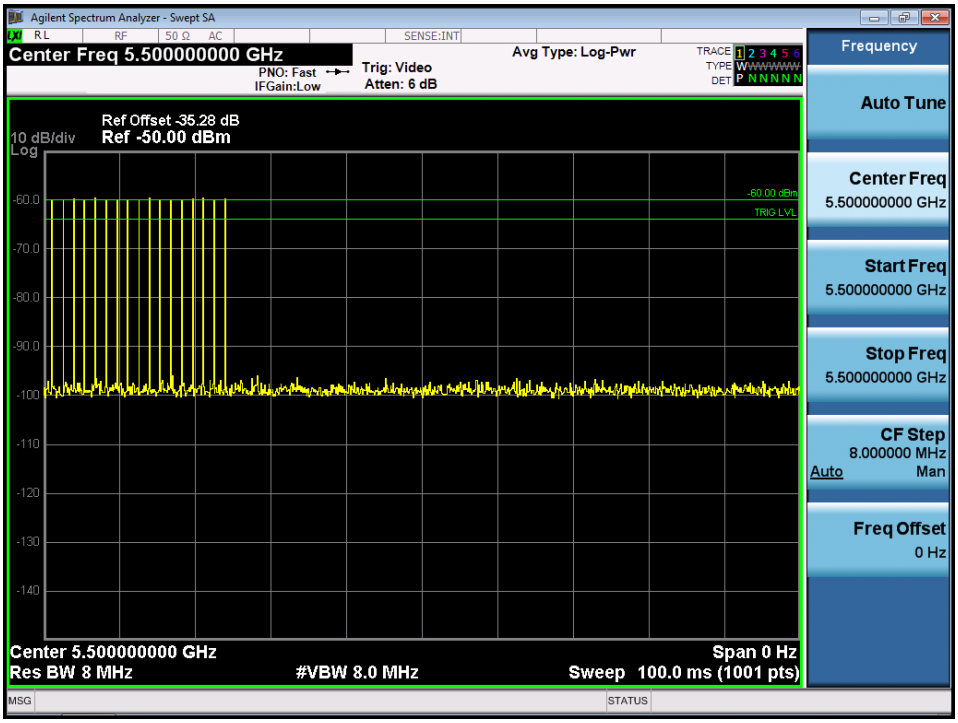
The following equipment setup was used to calibrate the conducted Radar Waveform. A spectrum analyzer was used to establish the test signal level for each radar type. During this process there were no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) mode at the frequency of the Radar Waveform generator. Peak detection was utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz.

The signal generator amplitude was set so that the power level measured at the spectrum analyzer was -63dBm.

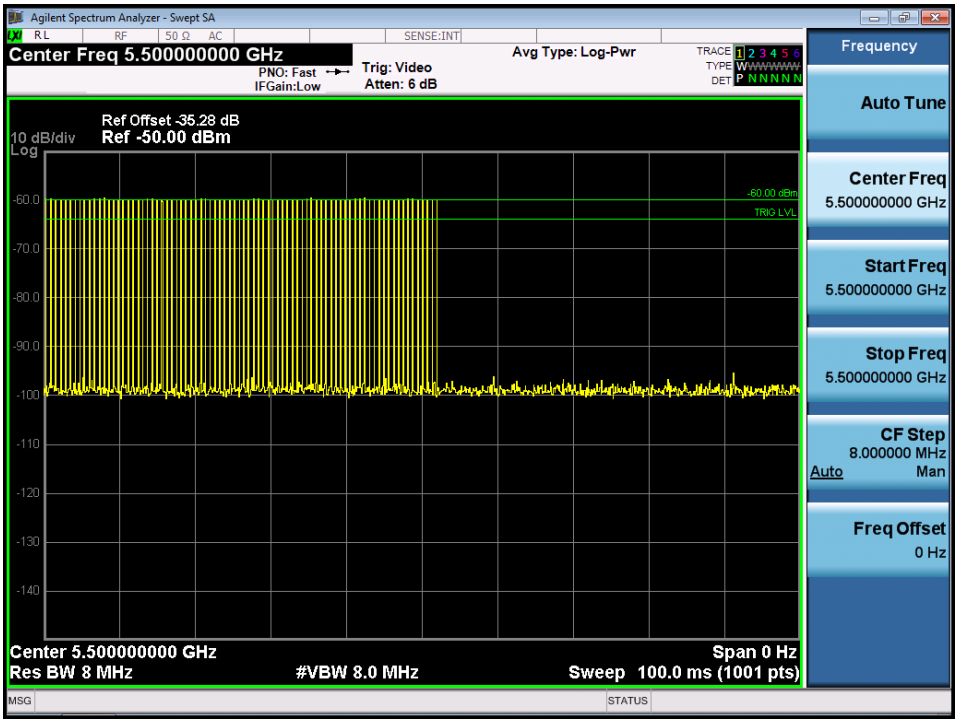


Conducted Calibration Setup

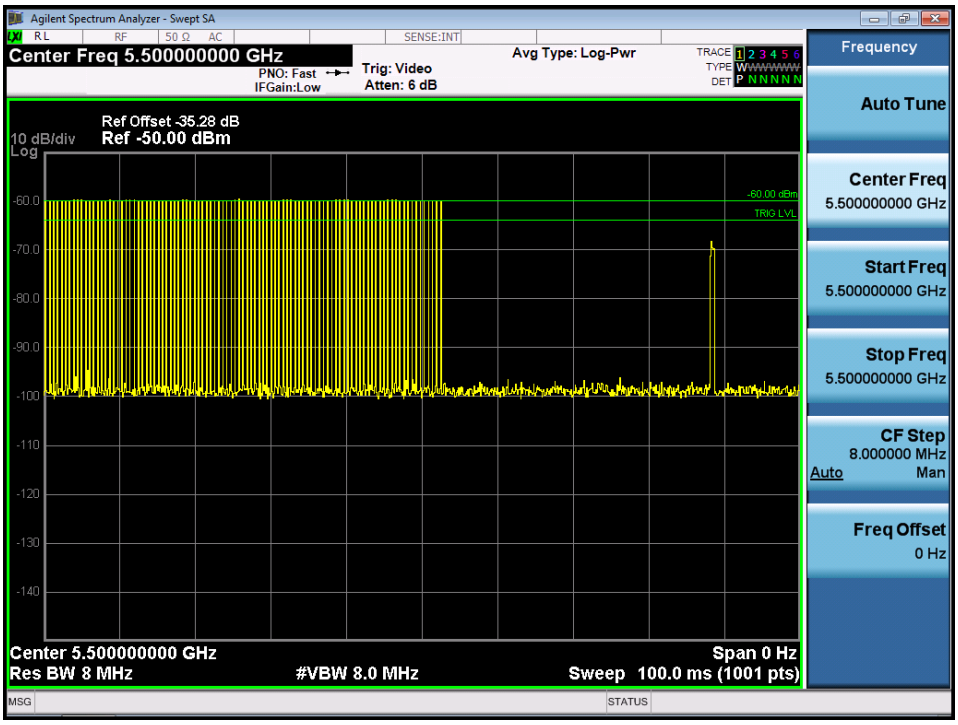
Following are the calibration plots for each of the required radar waveforms.



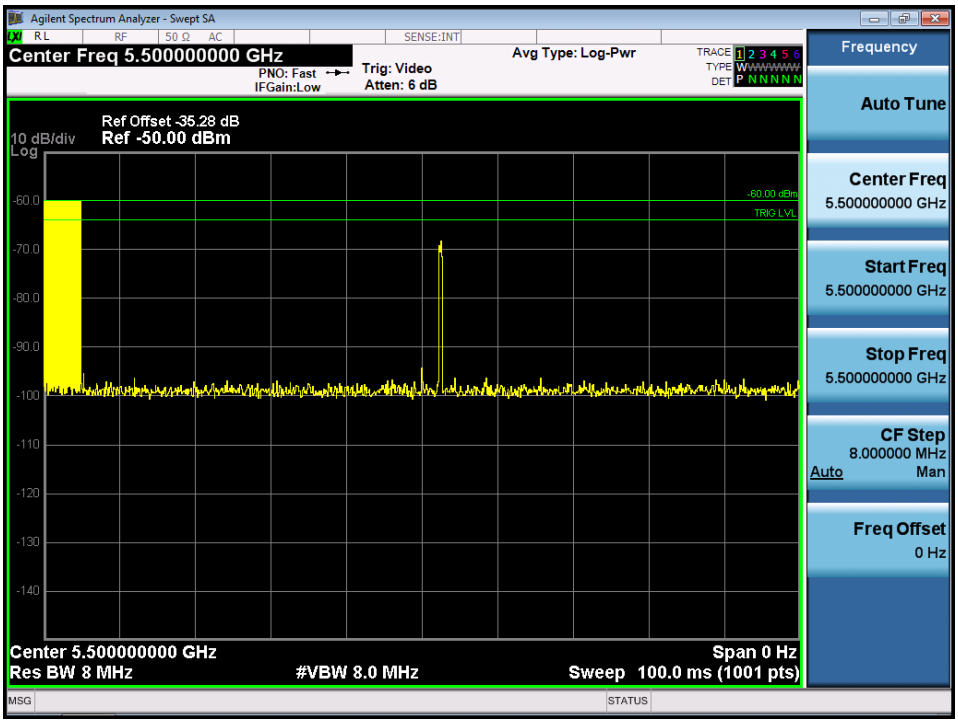
USA Bin 0 Radar Calibration



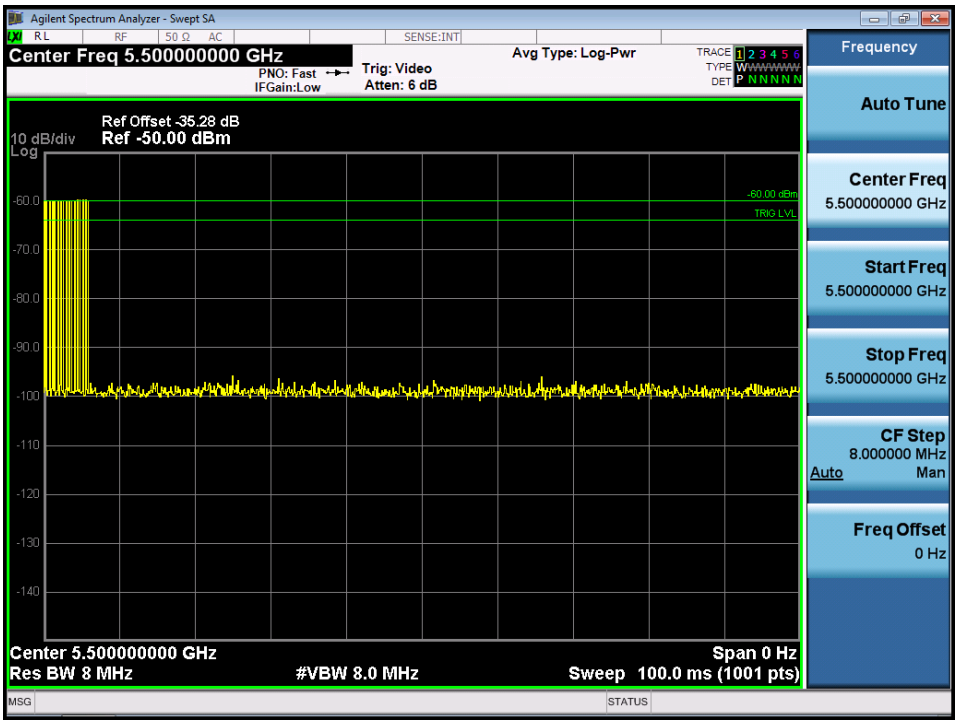
USA Bin 1A Radar Calibration



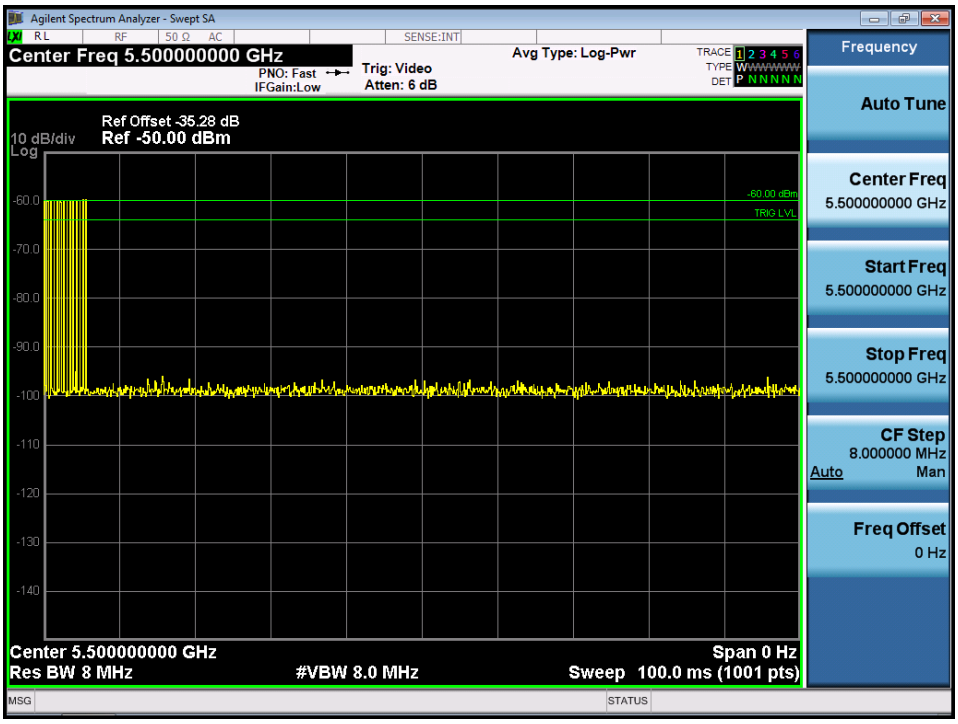
USA Bin 1B Radar Calibration



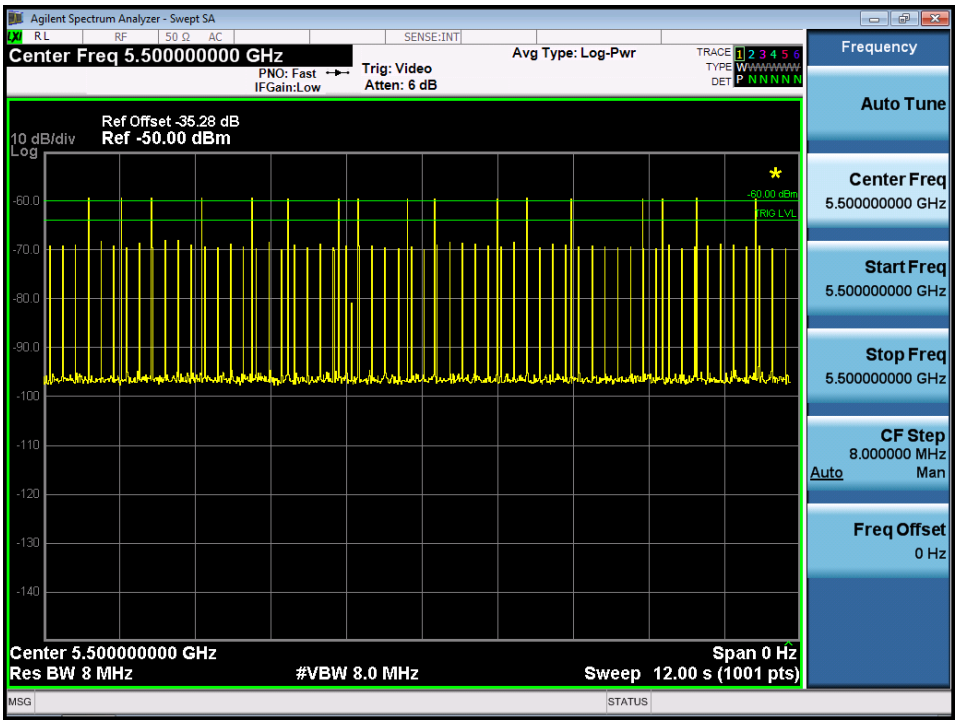
USA Bin 2 Radar Calibration



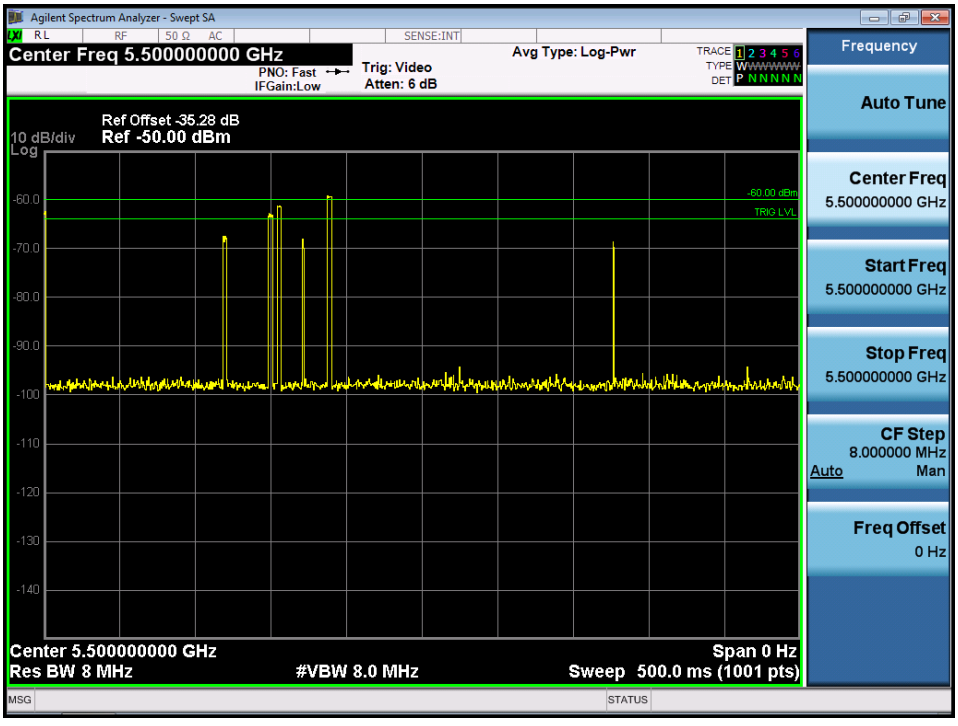
USA Bin 3 Radar Calibration



USA Bin 4 Radar Calibration



USA Bin 5 Radar Calibration

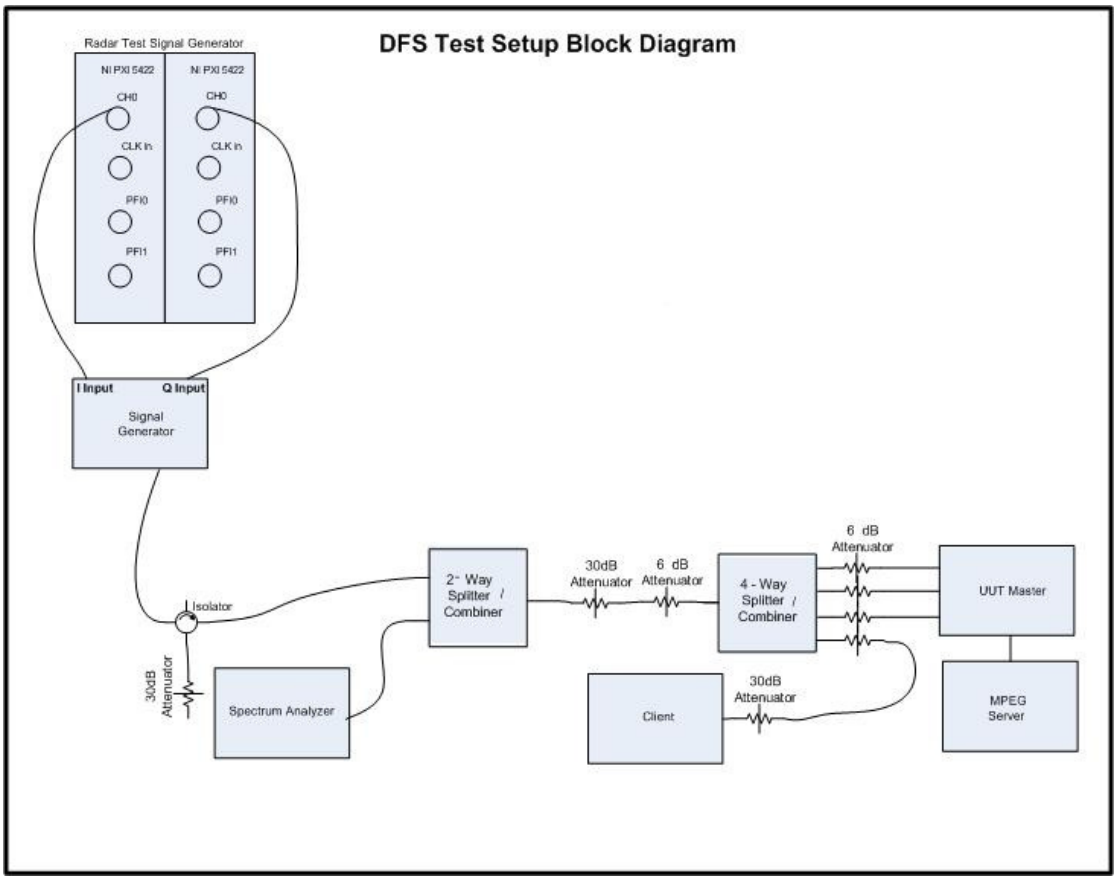


USA Frequency Hopping Radar Calibration

B.1 Test Procedure/Results

A spectrum analyzer is used as a monitor to verify that the UUT has vacated the Channel within the (Channel Closing Transmission Time and Channel Move Time) and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move. It is also used to monitor UUT transmissions during the Channel Availability Check Time.

Following is the test setup used to generate the Radar Waveforms, and for all DFS tests described herein.



Conducted Setup: Radar Test Waveforms are injected into the Master

Title: DFS Setup

B.2 UNII Detection Bandwidth

Test Procedure

Ref. KDB 905462 D02 UNII section 7.8.1

All UNII 20 MHz channels for this device have identical Channel bandwidths, all 40 MHz channels have identical Channel bandwidths, and all 80 MHz channels have identical Channel bandwidths. Therefore, all DFS testing was done at 5500 MHz. The 99% channel bandwidth for 20MHz signals is 18 MHz, the the 99% channel bandwidth for 40MHz signals is 36 MHz, and the 99% channel bandwidth for 80MHz signals is 76. (See the 26dB BW section of the RF report for further measurement details).

The generating equipment is configured as shown in the Conducted Test Setup above. A single *Burst* of the desired radar profile is produced at 5500MHz at a -63dBm level. The UUT is set up as a standalone device (no associated Client and no traffic).

A single radar Burst is generated for a minimum of 10 trials, and the response of the UUT is noted. The UUT must detect the Radar Waveform 90% or more of the time.

The radar frequency is increased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The highest frequency at which detection is greater than or equal to 90% is denoted as Fh.

The radar frequency is decreased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as Fl.

The U-NII Detection Bandwidth is calculated as follows:

U-NII Detection Bandwidth = $F_H - F_L$

The U-NII Detection Bandwidth must be at least 100% of the UUT transmitter 99% power bandwidth (18 MHz for 20MHz signals, 36 MHz for 40 MHz signals, and 76 MHz for 80 MHz signals); otherwise, the UUT does not comply with DFS requirements.

For the chirped Bin 5 radar, the U-NII Detection Bandwidth must be at least 80% of the UUT transmitter 99% power bandwidth (14 MHz for 20MHz signals, 28 MHz for 40 MHz signals, and 60 MHz for 80 MHz signals); otherwise, the UUT does not comply with DFS requirements.

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100		
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100	20	17
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 0 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100		
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100	20	17
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 1A Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100		
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100	20	17
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 1B Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100		
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100	20	17
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 2 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100		
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100	20	17
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 3 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100		
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100	20	17
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 4 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5493.5	1	1	1	1	1	1	1	1	1	1	100		
5493.5	1	1	1	1	1	1	1	1	1	1	100		
5493.5	1	1	1	1	1	1	1	1	1	1	100		
5493.5	1	1	1	1	1	1	1	1	1	1	100		
5493.9	1	1	1	1	1	1	1	1	1	1	100		
5494.7	1	1	1	1	1	1	1	1	1	1	100		
5495.9	1	1	1	1	1	1	1	1	1	1	100		
5496.7	1	1	1	1	1	1	1	1	1	1	100		
5497.9	1	1	1	1	1	1	1	1	1	1	100		
5498.7	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100	20	17
5501.3	1	1	1	1	1	1	1	1	1	1	100		
5502.1	1	1	1	1	1	1	1	1	1	1	100		
5503.3	1	1	1	1	1	1	1	1	1	1	100		
5504.1	1	1	1	1	1	1	1	1	1	1	100		
5505.3	1	1	1	1	1	1	1	1	1	1	100		
5506.1	1	1	1	1	1	1	1	1	1	1	100		
5506.5	1	1	1	1	1	1	1	1	1	1	100		
5506.5	1	1	1	1	1	1	1	1	1	1	100		
5506.5	1	1	1	1	1	1	1	1	1	1	100		
5506.5	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 5 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100		
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100	20	17
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		

USA Frequency Hopping Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	40	36
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		
5530	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 0 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	40	36
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		
5530	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 1A Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	40	36
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		
5530	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 1B Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	40	36
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		
5530	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 2 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	40	36
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		
5530	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 3 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	40	36
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		
5530	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 4 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5494	1	1	1	1	1	1	1	1	1	1	100	40	36
5494	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5494.8	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5496.8	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5498.8	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521.2	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523.2	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525.2	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 5 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	40	36
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		
5530	1	1	1	1	1	1	1	1	1	1	100		

USA Frequency Hopping Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	80	75
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 0 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5530	1	1	1	1	1	1	1	1	1	1	100	80	75
5531	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560	1	1	1	1	1	1	1	1	1	1	100		
5561	1	1	1	1	1	1	1	1	1	1	100		
5562	1	1	1	1	1	1	1	1	1	1	100		
5563	1	1	1	1	1	1	1	1	1	1	100		
5564	1	1	1	1	1	1	1	1	1	1	100		
5565	1	1	1	1	1	1	1	1	1	1	100		
5566	1	1	1	1	1	1	1	1	1	1	100		
5567	1	1	1	1	1	1	1	1	1	1	100		
5568	1	1	1	1	1	1	1	1	1	1	100		
5569	1	1	1	1	1	1	1	1	1	1	100		
5570	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 0 Radar (cont)

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	80	75
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 1A Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5530	1	1	1	1	1	1	1	1	1	1	100	80	75
5531	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560	1	1	1	1	1	1	1	1	1	1	100		
5561	1	1	1	1	1	1	1	1	1	1	100		
5562	1	1	1	1	1	1	1	1	1	1	100		
5563	1	1	1	1	1	1	1	1	1	1	100		
5564	1	1	1	1	1	1	1	1	1	1	100		
5565	1	1	1	1	1	1	1	1	1	1	100		
5566	1	1	1	1	1	1	1	1	1	1	100		
5567	1	1	1	1	1	1	1	1	1	1	100		
5568	1	1	1	1	1	1	1	1	1	1	100		
5569	1	1	1	1	1	1	1	1	1	1	100		
5570	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 1A Radar (cont)

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	80	75
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 1B Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5530	1	1	1	1	1	1	1	1	1	1	100	80	75
5531	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560	1	1	1	1	1	1	1	1	1	1	100		
5561	1	1	1	1	1	1	1	1	1	1	100		
5562	1	1	1	1	1	1	1	1	1	1	100		
5563	1	1	1	1	1	1	1	1	1	1	100		
5564	1	1	1	1	1	1	1	1	1	1	100		
5565	1	1	1	1	1	1	1	1	1	1	100		
5566	1	1	1	1	1	1	1	1	1	1	100		
5567	1	1	1	1	1	1	1	1	1	1	100		
5568	1	1	1	1	1	1	1	1	1	1	100		
5569	1	1	1	1	1	1	1	1	1	1	100		
5570	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 1B Radar (cont)

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	80	75
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 2 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5530	1	1	1	1	1	1	1	1	1	1	100		
5531	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100	80	75
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560	1	1	1	1	1	1	1	1	1	1	100		
5561	1	1	1	1	1	1	1	1	1	1	100		
5562	1	1	1	1	1	1	1	1	1	1	100		
5563	1	1	1	1	1	1	1	1	1	1	100		
5564	1	1	1	1	1	1	1	1	1	1	100		
5565	1	1	1	1	1	1	1	1	1	1	100		
5566	1	1	1	1	1	1	1	1	1	1	100		
5567	1	1	1	1	1	1	1	1	1	1	100		
5568	1	1	1	1	1	1	1	1	1	1	100		
5569	1	1	1	1	1	1	1	1	1	1	100		
5570	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 2 Radar (cont)

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	80	75
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 3 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5530	1	1	1	1	1	1	1	1	1	1	100	80	75
5531	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560	1	1	1	1	1	1	1	1	1	1	100		
5561	1	1	1	1	1	1	1	1	1	1	100		
5562	1	1	1	1	1	1	1	1	1	1	100		
5563	1	1	1	1	1	1	1	1	1	1	100		
5564	1	1	1	1	1	1	1	1	1	1	100		
5565	1	1	1	1	1	1	1	1	1	1	100		
5566	1	1	1	1	1	1	1	1	1	1	100		
5567	1	1	1	1	1	1	1	1	1	1	100		
5568	1	1	1	1	1	1	1	1	1	1	100		
5569	1	1	1	1	1	1	1	1	1	1	100		
5570	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 3 Radar (cont)

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	80	75
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 4 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5530	1	1	1	1	1	1	1	1	1	1	100	80	75
5531	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560	1	1	1	1	1	1	1	1	1	1	100		
5561	1	1	1	1	1	1	1	1	1	1	100		
5562	1	1	1	1	1	1	1	1	1	1	100		
5563	1	1	1	1	1	1	1	1	1	1	100		
5564	1	1	1	1	1	1	1	1	1	1	100		
5565	1	1	1	1	1	1	1	1	1	1	100		
5566	1	1	1	1	1	1	1	1	1	1	100		
5567	1	1	1	1	1	1	1	1	1	1	100		
5568	1	1	1	1	1	1	1	1	1	1	100		
5569	1	1	1	1	1	1	1	1	1	1	100		
5570	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 4 Radar (cont)

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5494.5	1	1	1	1	1	1	1	1	1	1	100	80	75
5494.5	1	1	1	1	1	1	1	1	1	1	100		
5494.5	1	1	1	1	1	1	1	1	1	1	100		
5494.5	1	1	1	1	1	1	1	1	1	1	100		
5494.5	1	1	1	1	1	1	1	1	1	1	100		
5494.9	1	1	1	1	1	1	1	1	1	1	100		
5495.7	1	1	1	1	1	1	1	1	1	1	100		
5496.9	1	1	1	1	1	1	1	1	1	1	100		
5497.7	1	1	1	1	1	1	1	1	1	1	100		
5498.9	1	1	1	1	1	1	1	1	1	1	100		
5499.7	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 5 Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5530	1	1	1	1	1	1	1	1	1	1	100	80	75
5531	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560.3	1	1	1	1	1	1	1	1	1	1	100		
5561.1	1	1	1	1	1	1	1	1	1	1	100		
5562.3	1	1	1	1	1	1	1	1	1	1	100		
5563.1	1	1	1	1	1	1	1	1	1	1	100		
5564.3	1	1	1	1	1	1	1	1	1	1	100		
5565.1	1	1	1	1	1	1	1	1	1	1	100		
5565.5	1	1	1	1	1	1	1	1	1	1	100		
5565.5	1	1	1	1	1	1	1	1	1	1	100		
5565.5	1	1	1	1	1	1	1	1	1	1	100		
5565.5	1	1	1	1	1	1	1	1	1	1	100		
5565.5	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 5 Radar (cont)

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5490	1	1	1	1	1	1	1	1	1	1	100	80	75
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5528	1	1	1	1	1	1	1	1	1	1	100		
5529	1	1	1	1	1	1	1	1	1	1	100		

USA Frequency Hopping Radar

	DFS Detection Trials (1=Detection, Blank= No Detection)												
Radar Frequency	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**	**Detection Bandwidth (MHz)**	**Limit (MHz)**
5530	1	1	1	1	1	1	1	1	1	1	100	80	75
5531	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560	1	1	1	1	1	1	1	1	1	1	100		
5561	1	1	1	1	1	1	1	1	1	1	100		
5562	1	1	1	1	1	1	1	1	1	1	100		
5563	1	1	1	1	1	1	1	1	1	1	100		
5564	1	1	1	1	1	1	1	1	1	1	100		
5565	1	1	1	1	1	1	1	1	1	1	100		
5566	1	1	1	1	1	1	1	1	1	1	100		
5567	1	1	1	1	1	1	1	1	1	1	100		
5568	1	1	1	1	1	1	1	1	1	1	100		
5569	1	1	1	1	1	1	1	1	1	1	100		
5570	1	1	1	1	1	1	1	1	1	1	100		

USA Frequency Hopping Radar (cont)

B.3 Initial Channel Availability Check Time

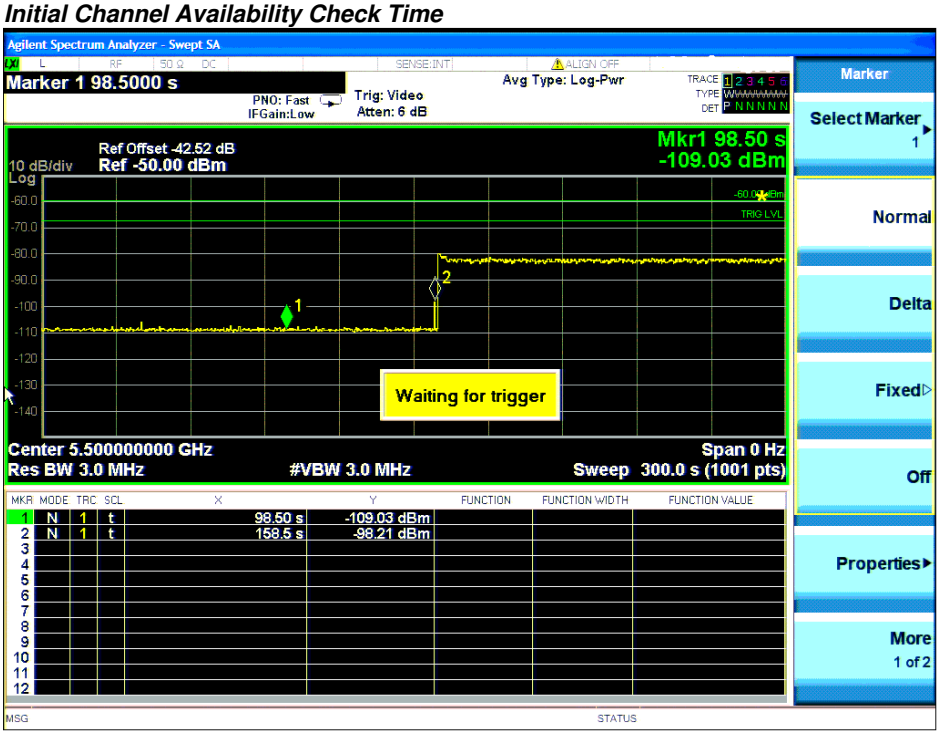
The tests that the UUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.

The U-NII device is powered on and instructed to operate at 5500 MHz. At the same time the UUT is powered on, the spectrum analyzer is set to zero span mode with a 3 MHz resolution bandwidth at 5500MHz with a 2.5 minute sweep time. The analyzer's sweep will be started the same time power is applied to the U-NII device.

The UUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

The initial power up time of the UUT is indicated by marker 1 in the plot. Initial beacons/data transmissions are indicated by marker 2.

Initial Channel Availability Check Time



B.4 Radar Burst at the Beginning of the Channel Availability Check Time

The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB (-63dBm) occurs at the beginning of the Channel Availability Check Time.

The UUT is powered on at T_0. T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T_1 and will end no sooner than T_1 + 60 seconds.

A single Burst of short pulse of radar type 0 at -63 dBm will commence within a 6 second window starting at T_1.

Visual indication on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5500MHz will continue for 2.5 minutes after the radar Burst has been generated.

Verify that during the 2.5 minute measurement window no UUT transmissions occurred at 5500MHz.

Radar Burst at the Beginning of the Channel Availability Check Time

B.5 Radar Burst at the End of the Channel Availability Check Time

The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB (-63dBm) occurs at the end of the Channel Availability Check Time.

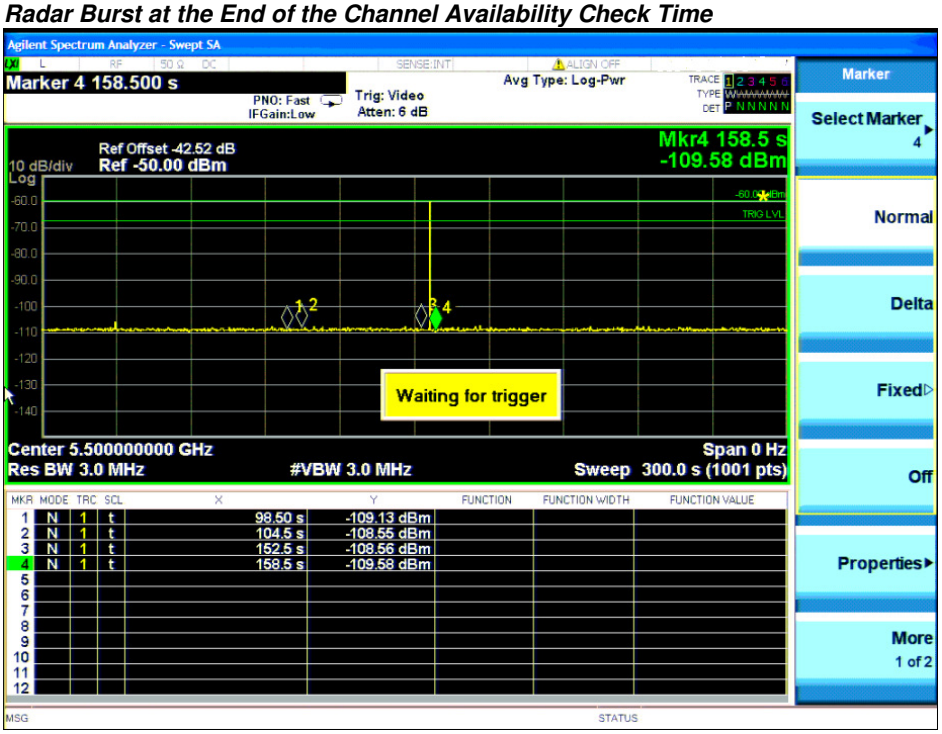
The UUT is powered on at T_0. T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T_1 and will end no sooner than T_1 + 60 seconds.

A single Burst of short pulse of radar type 0 at -63 dBm will commence within a 6 second window starting at T_1+ 54 seconds.

Visual indication on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5500MHz will continue for 2.5 minutes after the radar Burst has been generated.

Verify that during the 2.5 minute measurement window no UUT transmissions occurred at 5500MHz.

Radar Burst at the End of the Channel Availability Check Time



B.6 In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

These tests define how the following DFS parameters are verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time, and Non-Occupancy Period.

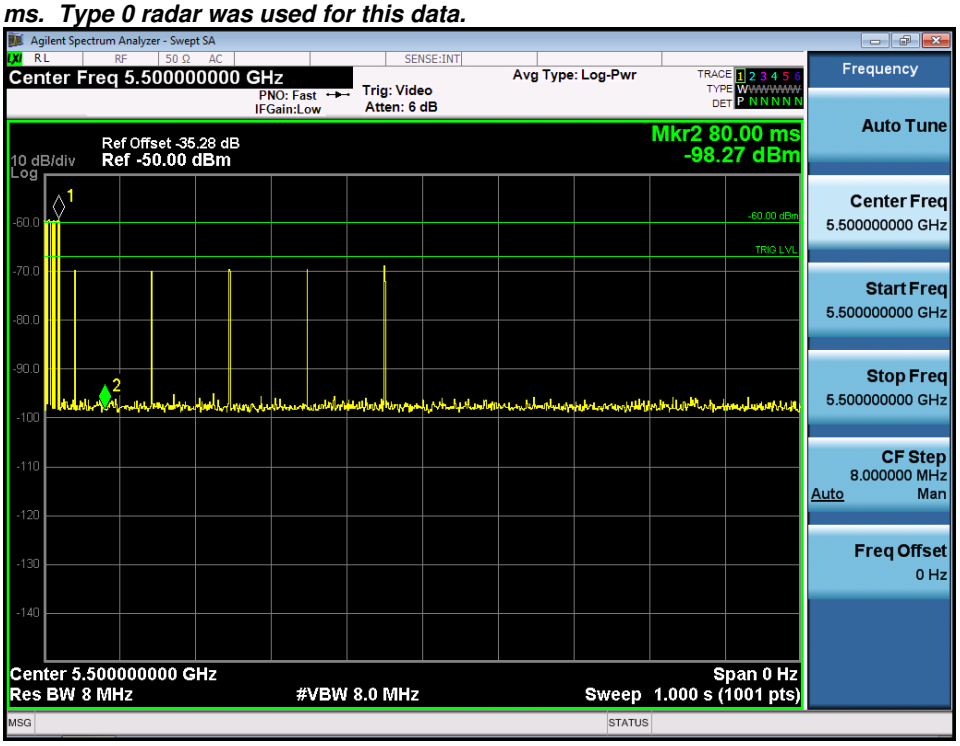
The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB (-63dBm) is generated on the Operating Channel of the U-NII device.

A U-NII device operating as a Client Device will associate with the UUT (Master) at 5500 MHz. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test.

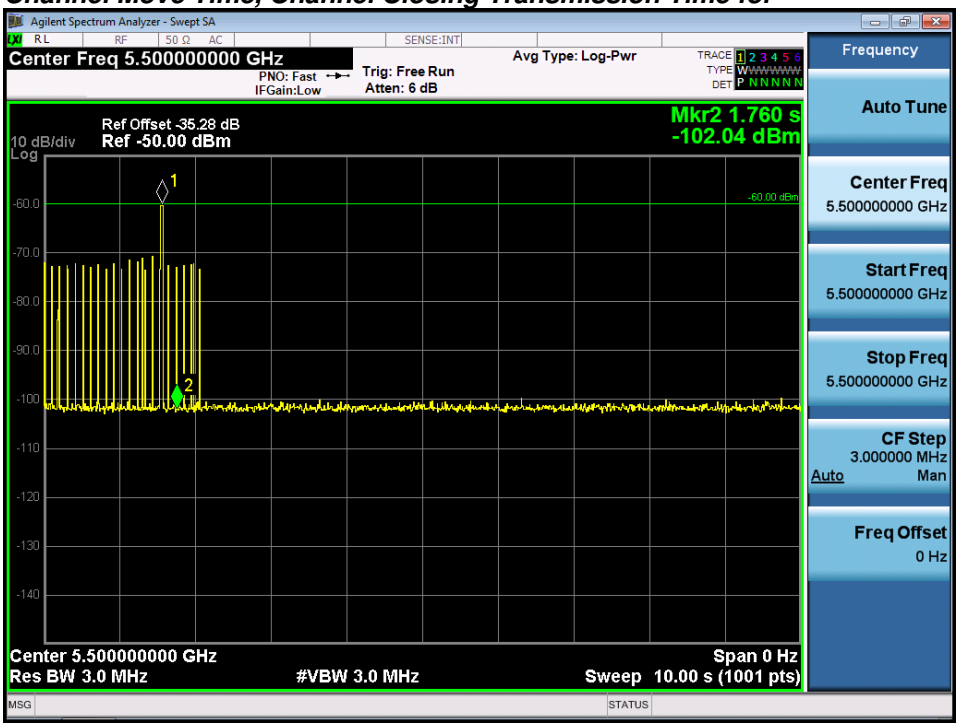
At time T_0 the Radar Waveform generator sends a Burst of pulses for radar type 0 at -63dBm.

Observe the transmissions of the UUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing Transmission Time results to the limits defined in the *DFS Response requirement values table*.

The following plot demonstrates a channel close time of 50ms, with an aggregate of no more than 60 ms. Type 0 radar was used for this data.

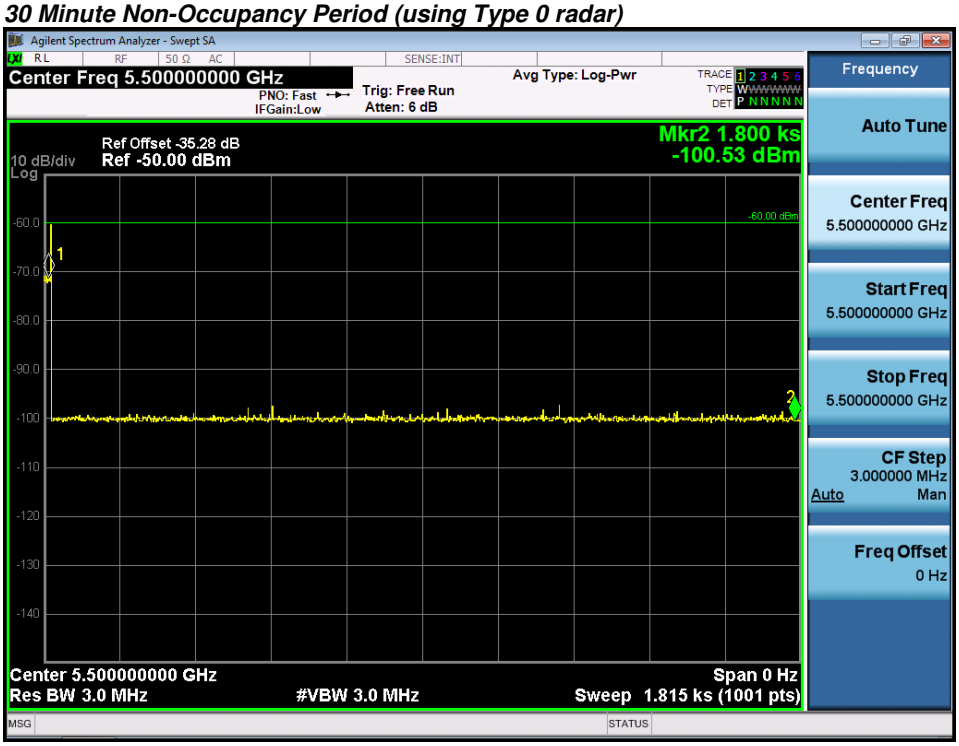


Channel Move Time, Channel Closing Transmission Time for



Measure the UUT for more than 30 minutes following the channel close/move time to verify that the UUT does not resume any transmissions on this Channel.

30 Minute Non-Occupancy Period (using Type 0 radar)



B.7 Statistical Performance Check

The steps below define the procedure to determine the minimum percentage of detection when a radar burst with a level equal to the DFS Detection Threshold + 1dB (-63dBm) is generated on the Operating Channel of the U-NII device.

A U-NII device operating as a Client Device will associate with the UUT (Master) at 5500 MHz. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test.

The Radar Waveform generator sends the individual waveform for each of the radar types 1-6 at -63dbm. Statistical data will be gathered to determine the ability of the device to detect the radar test waveforms. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. The percentage of successful detection is calculated by:

$$\frac{TotalWaveformDetections}{TotalWaveformTrials} \times 100 \text{ = Probability of Detection Radar Waveform}$$

The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in the *Radar Test Waveforms* section.

KDB 905462 D02 UNII DFS compliance procedure New Rules v02:
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.

Statistical Performance Check

1. One frequency will be chosen from the *Operating Channels* of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands □
2. In case the UUT is a U-NII device operating as a *Client Device* (with or without Radar Detection), a U-NII device operating as a *Master Device* will be used to allow the UUT (Client device) to *Associate* with the *Master Device*. In case the UUT is a *Master Device*, a U-NII device operating as a *Client Device* will be used and it is assumed that the Client will *Associate* with the UUT (Master). In both cases for conducted tests, the *Radar Waveform* generator will be connected to the *Master Device*. For radiated tests, the emissions of the *Radar Waveform* generator will be directed towards the *Master Device*. If the *Master Device* has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing. □
3. Stream the channel loading test file from the *Master Device* to the Client Device on the test *Channel* for the entire period of the test. □
4. At time T_0 the *Radar Waveform* generator sends the individual waveform for each of the Radar Types 1- 6 in **Tables 5-7**, at levels defined in **Table 3**, on the *Operating Channel*. An additional 1 dB is added to the radar test signal to ensure it is at or above the *DFS Detection Threshold*, accounting for equipment variations/errors. □
5. Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Radar Type 0 to ensure detection occurs.
6. Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.

7. In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

Short Radar Pulses Test

Once the performance requirements check is complete, statistical data will be gathered, to determine the ability of the device to detect the radar test waveforms (Short Pulse Radar Types 1-4) found in Table 5. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials. The percentage of successful detection is calculated by:

$$\frac{TotalWaveformDetections}{TotalWaveformTrials} \times 100 \text{ = Probability of Detection Radar Waveform}$$

In addition an average minimum percentage of successful detection across all four Short pulse radar test waveforms is required and is calculated as follows:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4}$$

The minimum number of trails, minimum percentage of successful detection and the aggregate minimum percentage of successful detection are found in Table 5.

Long Pulse Radar Test

Statistical data will be gathered to determine the ability of the device to detect the Long Pulse Radar Type 5 found in Table 6. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials.

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency:

a) the Channel center frequency (Figure 18);
b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth (Figure 19); and
c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth (Figure 20).

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by: FL + (0.4 $*$ Chirp Width [$in\ MHz$])

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT *Occupied Bandwidth*, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by FH − (0.4 $*$ Chirp Width [$in\ MHz$])

Frequency Hopping Radar Test

Statistical data will be gathered to determine the ability of the device to detect the Frequency Hopping radar test signal (radar type 6) found in Table 7. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.

Test Channels:

Channel 5500 20MHz BW, USA Bin 1A/1B Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	92	1	578	1	100.0%	60.0%
2	58	1	918	1		
3	65	1	818	1		
4	67	1	798	1		
5	61	1	878	1		
6	59	1	898	1		
7	86	1	618	1		
8	57	1	938	1		
9	92	1	578	1		
10	62	1	858	1		
11	102	1	518	1		
12	67	1	798	1		
13	61	1	878	1		
14	89	1	598	1		
15	95	1	558	1		
16	30	1	1792	1		
17	26	1	2073	1		
18	39	1	1375	1		
19	19	1	2782	1		
20	41	1	1308	1		
21	53	1	1001	1		
22	25	1	2178	1		
23	24	1	2270	1		
24	21	1	2578	1		
25	19	1	2896	1		
26	39	1	1387	1		
27	30	1	1776	1		
28	37	1	1429	1		
29	26	1	2108	1		
30	69	1	767	1		

Channel 5500 20MHz BW, USA Bin 2 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	24	4	211	1		
2	24	3.2	221	1		
3	25	3.8	214	1		
4	28	2.6	192	1		
5	24	2	196	1		
6	23	4.4	210	1		
7	26	2.7	181	1		
8	28	3.5	158	1		
9	27	4.7	175	0		
10	28	3.8	177	1		
11	26	4.8	188	1		
12	24	1.7	209	0		
13	27	3.3	166	1		
14	24	2	219	1		
15	23	3.3	213	1		
16	25	4.9	182	1	90.0%	60.0%
17	28	4.6	193	1		
18	23	4.6	173	0		
19	26	4	212	1		
20	27	3.7	184	1		
21	27	4.1	201	1		
22	27	2.2	218	1		
23	26	2.2	169	1		
24	29	4.2	193	1		
25	25	1.3	204	1		
26	29	1.9	209	1		
27	29	4.9	204	1		
28	23	4.6	212	1		
29	27	1.2	184	1		
30	29	3	154	1		

Channel 5500 20MHz BW, USA Bin 3 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	17	8.9	331	1	90.0%	60.0%
2	18	8.4	487	1		
3	17	6.9	239	1		
4	18	8.1	450	1		
5	18	8.7	224	1		
6	18	8.7	246	1		
7	16	9.1	317	1		
8	17	9	477	1		
9	18	10	369	1		
10	16	8.1	278	1		
11	18	10	422	1		
12	16	6.8	254	0		
13	17	8.3	229	1		
14	17	9	385	0		
15	16	7.4	388	1		
16	17	6.5	273	1		
17	18	7.4	366	1		
18	16	9.6	332	0		
19	18	9.5	489	1		
20	17	7	285	1		
21	18	7.6	302	1		
22	17	6.2	296	1		
23	16	7	448	1		
24	17	6.3	464	1		
25	17	9.8	456	1		
26	18	6.9	403	1		
27	16	9.6	498	1		
28	16	9.5	229	1		
29	16	8.6	361	1		
30	18	9.3	480	1		

Channel 5500 20MHz BW, USA Bin 4 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	16	15.7	434	1	73.3%	60.0%
2	15	15.1	477	1		
3	12	15.2	359	1		
4	12	16.3	378	0		
5	16	18.6	367	1		
6	15	19.6	316	1		
7	16	17.8	338	1		
8	16	11.8	207	0		
9	15	19.9	245	1		
10	16	14.6	349	0		
11	16	14.6	225	1		
12	14	13	261	1		
13	13	13.8	326	0		
14	15	19.5	480	1		
15	16	16.9	471	1		
16	16	15.3	328	0		
17	15	16.5	302	1		
18	15	13.3	353	1		
19	13	11.2	447	1		
20	12	19.6	419	0		
21	16	13.9	204	1		
22	16	12.6	393	1		
23	16	14.1	352	1		
24	16	11.8	308	1		
25	13	12.2	354	1		
26	15	14.9	253	0		
27	14	16.8	447	0		
28	14	16.4	378	1		
29	16	13.8	422	1		
30	12	16.1	320	1		

In addition an average minimum percentage of successful detection across all four Short pulse radar test waveforms is required and is calculated as follows:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4}$$ = (100.0%+90.0%+90.0%+73.3%)/4 = 88.3% >80%

*See the Bin5 Radar Characteristics at the end of this report.

Channel 5500 20MHz BW, USA Bin 5 Radar Statistical Performance

Trial #	Name	1=Detection 0=No Detection	Detection Percentage	Limit
1	USA Bin 5 Radar Test 1	1	100.0%	80.0%
2	USA Bin 5 Radar Test 2	1		
3	USA Bin 5 Radar Test 3	1		
4	USA Bin 5 Radar Test 4	1		
5	USA Bin 5 Radar Test 5	1		
6	USA Bin 5 Radar Test 6	1		
7	USA Bin 5 Radar Test 7	1		
8	USA Bin 5 Radar Test 8	1		
9	USA Bin 5 Radar Test 9	1		
10	USA Bin 5 Radar Test 10	1		
11	USA Bin 5 Radar Test 11	1		
12	USA Bin 5 Radar Test 12	1		
13	USA Bin 5 Radar Test 13	1		
14	USA Bin 5 Radar Test 14	1		
15	USA Bin 5 Radar Test 15	1		
16	USA Bin 5 Radar Test 16	1		
17	USA Bin 5 Radar Test 17	1		
18	USA Bin 5 Radar Test 18	1		
19	USA Bin 5 Radar Test 19	1		
20	USA Bin 5 Radar Test 20	1		
21	USA Bin 5 Radar Test 21	1		
22	USA Bin 5 Radar Test 22	1		
23	USA Bin 5 Radar Test 23	1		
24	USA Bin 5 Radar Test 24	1		
25	USA Bin 5 Radar Test 25	1		
26	USA Bin 5 Radar Test 26	1		
27	USA Bin 5 Radar Test 27	1		
28	USA Bin 5 Radar Test 28	1		
29	USA Bin 5 Radar Test 29	1		
30	USA Bin 5 Radar Test 30	1		

USA Bin 5 Trial #1

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5499	20	75			0.606706
2	3	5499	20	75	1882	1147	1.79708
3	3	5499	20	85	1111	1414	2.552806
4	2	5499	20	70	1160		3.419503
5	2	5499	20	80	1628		4.855318
6	3	5499	20	70	1336	1448	5.690912
7	3	5499	20	100	1897	1522	6.304282
8	1	5499	20	75			7.180823
9	3	5499	20	65	1537	1042	8.728342
10	1	5499	20	50			9.996616
11	3	5499	20	80	1395	1228	10.110499
12	2	5499	20	55	1176		11.425781

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5496.2	13	60	1131	1688	0.558916
2	1	5496.2	13	65			1.583083
3	1	5496.2	13	55			2.304733
4	3	5496.2	13	85	1861	1074	2.912857
5	3	5496.2	13	95	1985	1022	3.437588
6	2	5496.2	13	95	1381		4.566729
7	2	5496.2	13	95	1289		5.028166
8	2	5496.2	13	60	1136		5.850146
9	1	5496.2	13	95			6.929953
10	2	5496.2	13	65	1317		7.543885
11	1	5496.2	13	70			8.30202
12	2	5496.2	13	95	1935		9.571301
13	1	5496.2	13	90			10.391684
14	1	5496.2	13	90			10.978226
15	3	5496.2	13	85	1352	1189	11.443229

USA Bin 5 Trial #3

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5495	10	70	1534	1823	0.006402
2	2	5495	10	95	1615		1.629106
3	2	5495	10	90	1326		3.375981
4	1	5495	10	95			5.776432
5	3	5495	10	75	1011	1793	7.036401

6	2	5495	10	50	1301		8.424302
7	2	5495	10	75	1856		9.883977
8	1	5495	10	90			11.787112

USA Bin 5 Trial #4

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5493	5	60	1342		0.814686
2	3	5493	5	85	1340	1735	1.514001
3	3	5493	5	75	1272	1356	2.981581
4	2	5493	5	100	1417		3.369095
5	1	5493	5	85			4.553227
6	3	5493	5	75	1940	1900	6.424126
7	3	5493	5	100	1980	1781	6.789457
8	3	5493	5	85	1616	1933	8.199621
9	3	5493	5	50	1059	1924	9.312979
10	2	5493	5	80	1771		10.291124
11	3	5493	5	100	1974	1442	11.022671

USA Bin 5 Trial #5

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5493	5	75	1084		0.378071
2	1	5493	5	90			1.188419
3	3	5493	5	75	1693	1660	2.12368
4	1	5493	5	100			2.878689
5	2	5493	5	60	1392		3.617047
6	2	5493	5	70	1869		4.070483
7	2	5493	5	80	1700		4.594054
8	2	5493	5	50	1508		5.698048
9	3	5493	5	100	1373	1140	6.736033
10	1	5493	5	100			7.273792
11	3	5493	5	60	1779	1015	8.108798
12	2	5493	5	55	1810		8.551037
13	2	5493	5	95	1876		9.269687
14	3	5493	5	85	1416	1068	9.892445
15	2	5493	5	65	1684		10.557081
16	1	5493	5	80			11.862675

USA Bin 5 Trial #6

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5497.4	16	95	1682		0.460655
2	3	5497.4	16	65	1782	1210	1.686121
3	2	5497.4	16	50	1553		2.448249
4	3	5497.4	16	100	1435	1667	2.865362

5	1	5497.4	16	75			4.587025
6	2	5497.4	16	70	1893		4.779521
7	1	5497.4	16	70			6.383789
8	3	5497.4	16	80	1865	1179	6.913987
9	3	5497.4	16	75	1363	1893	7.53958
10	2	5497.4	16	90	1326		8.774704
11	2	5497.4	16	80	1895		9.977481
12	1	5497.4	16	100			10.880589
13	3	5497.4	16	100	1830	1090	11.911929

USA Bin 5 Trial #7

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5495.4	11	75			0.44727
2	1	5495.4	11	90			1.282471
3	1	5495.4	11	100			2.291254
4	3	5495.4	11	95	1543	1002	4.079242
5	3	5495.4	11	60	1990	1031	5.01131
6	1	5495.4	11	100			6.328888
7	1	5495.4	11	65			7.137618
8	2	5495.4	11	100	1715		8.408968
9	1	5495.4	11	90			8.906709
10	2	5495.4	11	60	1666		10.826837
11	2	5495.4	11	100	1010		11.102351

USA Bin 5 Trial #8

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5495.8	12	55			0.5793
2	3	5495.8	12	55	1113	1170	2.024463
3	2	5495.8	12	50	1153		3.232741
4	3	5495.8	12	95	1283	1090	3.771764
5	2	5495.8	12	65	1141		5.154194
6	1	5495.8	12	65			6.415711
7	3	5495.8	12	60	1565	1324	6.638905
8	2	5495.8	12	60	1862		7.910463
9	1	5495.8	12	55			9.120437
10	2	5495.8	12	80	1764		9.840401
11	2	5495.8	12	85	1307		11.543201

USA Bin 5 Trial #9

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5496.6	14	60	1722		0.734217
2	1	5496.6	14	60			2.32888
3	2	5496.6	14	90	1893		4.301564

4	1	5496.6	14	60			5.175965
5	2	5496.6	14	75	1261		7.042202
6	2	5496.6	14	75	1343		8.912159
7	3	5496.6	14	60	1236	1542	10.433935
8	1	5496.6	14	80			11.92898

USA Bin 5 Trial #10

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5494.2	8	100	1901	1027	0.174999
2	1	5494.2	8	100			0.714145
3	3	5494.2	8	55	1900	1735	2.005891
4	2	5494.2	8	70	1489		2.248215
5	1	5494.2	8	85			2.954788
6	1	5494.2	8	85			3.838606
7	1	5494.2	8	50			4.371102
8	3	5494.2	8	70	1341	1479	5.229009
9	2	5494.2	8	70	1855		5.928673
10	2	5494.2	8	100	1193		6.735295
11	3	5494.2	8	80	1577	1706	7.50249
12	1	5494.2	8	55			8.298266
13	1	5494.2	8	70			8.742536
14	3	5494.2	8	100	1645	1157	9.835227
15	1	5494.2	8	60			10.206929
16	3	5494.2	8	90	1022	1677	10.679376
17	3	5494.2	8	85	1829	1177	11.874087

USA Bin 5 Trial #11

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5500	12	50	1124	1725	0.345325
2	2	5500	12	65	1895		1.740361
3	1	5500	12	65			3.919024
4	1	5500	12	50			4.395062
5	2	5500	12	55	1463		5.350061
6	3	5500	12	90	1335	1132	6.733154
7	2	5500	12	70	1046		9.185596
8	1	5500	12	85			10.505966
9	3	5500	12	95	1829	1284	11.653374

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5500	10	80	1693		0.169847
2	1	5500	10	55			1.191199
3	1	5500	10	50			2.148273

4	2	5500	10	75	1614		2.554007
5	3	5500	10	75	1464	1479	3.805078
6	3	5500	10	55	1600	1875	4.79043
7	1	5500	10	100			5.132238
8	3	5500	10	50	1752	1503	6.323752
9	1	5500	10	65			6.926105
10	3	5500	10	55	1606	1254	7.537555
11	2	5500	10	70	1654		8.50884
12	3	5500	10	100	1860	1054	8.914051
13	2	5500	10	95	1943		10.328874
14	2	5500	10	55	1788		10.68712
15	1	5500	10	85			11.644089

USA Bin 5 Trial #13

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5500	15	65	1313		0.662392
2	3	5500	15	85	1427	1439	1.224851
3	2	5500	15	70	1612		3.215414
4	1	5500	15	60			3.881259
5	1	5500	15	50			4.519014
6	3	5500	15	75	1427	1699	5.570673
7	2	5500	15	60	1397		7.507601
8	1	5500	15	95			8.488963
9	3	5500	15	70	1534	1444	9.01445
10	1	5500	15	75			10.804989
11	3	5500	15	50	1125	1796	11.503484

USA Bin 5 Trial #14

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5500	20	65			1.112692
2	2	5500	20	55	1230		2.840068
3	3	5500	20	90	1643	1644	4.349717
4	1	5500	20	80			4.645746
5	3	5500	20	70	1333	1875	7.267411
6	1	5500	20	60			8.96985
7	3	5500	20	80	1795	1868	10.294038
8	3	5500	20	100	1380	1034	10.878342

USA Bin 5 Trial #15

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5500	18	60			0.306155
2	1	5500	18	70			0.942298
3	3	5500	18	80	1597	1928	1.609255

4	3	5500	18	90	1987	1108	2.681003
5	3	5500	18	55	1576	1485	3.243374
6	3	5500	18	55	1078	1200	4.115562
7	2	5500	18	85	1732		4.924692
8	1	5500	18	75			5.339703
9	3	5500	18	65	1407	1604	6.386482
10	3	5500	18	100	1372	1883	7.405631
11	2	5500	18	65	1637		7.637196
12	2	5500	18	70	1206		8.371884
13	2	5500	18	80	1486		9.372238
14	3	5500	18	85	1498	1441	10.042096
15	3	5500	18	100	1204	1049	11.090556
16	2	5500	18	75	1802		11.881388

USA Bin 5 Trial #16

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5500	18	50	1255	1902	1.205411
2	1	5500	18	95			2.928361
3	2	5500	18	90	1649		3.229042
4	2	5500	18	65	1565		5.582323
5	3	5500	18	85	1031	1255	6.262466
6	3	5500	18	90	1355	1217	7.802291
7	2	5500	18	70	1271		9.199096
8	3	5500	18	75	1472	1836	11.709298

USA Bin 5 Trial #17

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5500	10	100	1304		0.117538
2	2	5500	10	90	1478		2.78327
3	3	5500	10	70	1957	1855	4.059909
4	1	5500	10	70			5.968247
5	3	5500	10	85	1592	1580	6.609922
6	2	5500	10	90	1076		8.344327
7	1	5500	10	80			10.105891
8	3	5500	10	80	1712	1912	11.034696

USA Bin 5 Trial #18

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5500	5	90			0.822202
2	1	5500	5	70			1.396745
3	2	5500	5	100	1717		2.083894
4	1	5500	5	85			3.310764
5	2	5500	5	55	1387		4.421681

6	3	5500	5	65	1248	1533	5.062886
7	2	5500	5	95	1721		6.236954
8	1	5500	5	100			7.275784
9	3	5500	5	75	1682	1089	8.136716
10	1	5500	5	70			9.175727
11	3	5500	5	70	1413	1202	9.367021
12	2	5500	5	55	1190		10.236529
13	2	5500	5	80	1226		11.191309

USA Bin 5 Trial #19

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5500	17	80	1748		0.760705
2	2	5500	17	90	1880		1.862578
3	3	5500	17	85	1677	1296	2.914023
4	2	5500	17	70	1895		3.117911
5	3	5500	17	60	1036	1720	4.554829
6	3	5500	17	65	1534	1430	5.56746
7	2	5500	17	75	1164		6.879835
8	3	5500	17	85	1218	1336	7.513552
9	2	5500	17	70	1089		8.792484
10	1	5500	17	75			9.436337
11	1	5500	17	60			10.725342
12	1	5500	17	75			11.312952

USA Bin 5 Trial #20

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5500	7	65	1722		0.515001
2	3	5500	7	95	1157	1415	1.610074
3	2	5500	7	55	1367		1.94985
4	3	5500	7	55	1780	1391	3.257163
5	3	5500	7	85	1045	1255	4.599088
6	2	5500	7	65	1841		4.686899
7	1	5500	7	80			5.818057
8	1	5500	7	100			6.746833
9	2	5500	7	65	1531		7.485005
10	2	5500	7	75	1460		8.414575
11	1	5500	7	100			9.838086
12	2	5500	7	50	1102		10.862263
13	3	5500	7	100	1989	1668	11.144529

USA Bin 5 Trial #21

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5501.8	18	90	1614		0.216726

2	2	5501.8	18	100	1629		2.21584
3	3	5501.8	18	65	1543	1348	3.410205
4	3	5501.8	18	85	1430	1265	4.683174
5	3	5501.8	18	50	1452	1636	5.401458
6	3	5501.8	18	75	1941	1182	6.117571
7	1	5501.8	18	70			7.989409
8	1	5501.8	18	85			8.441806
9	1	5501.8	18	85			9.677711
10	3	5501.8	18	75	1008	1959	10.807114

USA Bin 5 Trial #22

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5505.4	9	60	1775		0.476276
2	1	5505.4	9	90			1.945062
3	1	5505.4	9	85			2.491068
4	3	5505.4	9	65	1951	1117	3.640409
5	3	5505.4	9	65	1923	1992	4.550143
6	2	5505.4	9	60	1840		5.470908
7	3	5505.4	9	70	1882	1348	6.070956
8	2	5505.4	9	100	1769		7.054679
9	2	5505.4	9	55	1548		8.02787
10	2	5505.4	9	50	1061		9.926141
11	2	5505.4	9	100	1634		10.195076
12	2	5505.4	9	65	1370		11.204414

USA Bin 5 Trial #23

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5504.6	11	50	1510	1405	0.071279
2	3	5504.6	11	65	1576	1521	0.742162
3	1	5504.6	11	85			1.759985
4	3	5504.6	11	85	1315	1493	2.016686
5	2	5504.6	11	75	1565		2.803108
6	1	5504.6	11	80			3.192601
7	3	5504.6	11	75	1175	1540	3.811615
8	2	5504.6	11	80	1478		4.204221
9	1	5504.6	11	85			4.961754
10	1	5504.6	11	65			5.509587
11	3	5504.6	11	100	1137	1151	6.576983
12	3	5504.6	11	65	1174	1691	6.994944
13	2	5504.6	11	85	1947		7.676088
14	3	5504.6	11	50	1655	1774	7.99756
15	1	5504.6	11	50			8.624173
16	2	5504.6	11	80	1949		9.585095
17	3	5504.6	11	80	1690	1959	10.131317

18	2	5504.6	11	95	1051		10.223877
19	2	5504.6	11	95	1775		11.098688
20	3	5504.6	11	85	1439	1904	11.61627

USA Bin 5 Trial #24

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5505.8	8	80			0.186413
2	3	5505.8	8	85	1636	1324	1.191665
3	2	5505.8	8	95	1383		1.706108
4	1	5505.8	8	50			2.378506
5	2	5505.8	8	85	1722		2.611206
6	1	5505.8	8	90			3.13067
7	3	5505.8	8	90	1455	1674	4.040079
8	3	5505.8	8	55	1667	1544	4.343358
9	1	5505.8	8	100			4.959916
10	3	5505.8	8	80	1003	1949	5.729682
11	3	5505.8	8	65	1570	1485	6.194286
12	2	5505.8	8	60	1408		6.712338
13	2	5505.8	8	100	1714		7.712954
14	3	5505.8	8	80	1270	1965	7.999023
15	2	5505.8	8	60	1789		8.550624
16	2	5505.8	8	60	1658		9.289559
17	3	5505.8	8	65	1823	1509	9.824899
18	3	5505.8	8	80	1573	1107	10.550225
19	2	5505.8	8	60	1482		10.922634
20	2	5505.8	8	100	1295		11.754517

USA Bin 5 Trial #25

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5501.8	18	60			0.516848
2	1	5501.8	18	55			2.812129
3	1	5501.8	18	95			3.46507
4	2	5501.8	18	85	1602		5.185194
5	1	5501.8	18	65			6.257706
6	1	5501.8	18	50			8.606113
7	3	5501.8	18	90	1053	1150	10.475159
8	1	5501.8	18	85			11.734382

USA Bin 5 Trial #26

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5505	10	75	1008	1501	0.173839
2	1	5505	10	60			1.16584
3	2	5505	10	65	1020		1.777794

4	1	5505	10	75			1.965119
5	1	5505	10	95			2.707031
6	2	5505	10	65	1416		3.535345
7	3	5505	10	70	1704	1731	3.981123
8	2	5505	10	85	1743		5.033976
9	1	5505	10	50			5.156058
10	2	5505	10	85	1290		5.704708
11	3	5505	10	70	1642	1161	6.434844
12	1	5505	10	55			7.199357
13	3	5505	10	80	1690	1928	7.936046
14	1	5505	10	55			8.531031
15	1	5505	10	80			9.371351
16	2	5505	10	55	1912		9.61706
17	1	5505	10	95			10.400895
18	3	5505	10	90	1343	1221	10.76312
19	1	5505	10	80			11.865306

USA Bin 5 Trial #27

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5503.8	13	70	1117		0.337432
2	1	5503.8	13	75			1.091518
3	1	5503.8	13	70			1.826634
4	3	5503.8	13	70	1029	1396	2.613335
5	2	5503.8	13	65	1970		3.122901
6	2	5503.8	13	60	1880		4.078984
7	3	5503.8	13	85	1218	1702	4.912973
8	3	5503.8	13	100	1113	1562	5.3307
9	3	5503.8	13	55	1388	1728	6.178702
10	2	5503.8	13	60	1752		7.295954
11	3	5503.8	13	55	1235	1565	7.848493
12	1	5503.8	13	55			8.896762
13	1	5503.8	13	70			9.162151
14	3	5503.8	13	50	1484	1489	10.241232
15	1	5503.8	13	100			10.854333
16	3	5503.8	13	100	1632	1680	11.806601

USA Bin 5 Trial #28

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5502.6	16	50			0.246068
2	1	5502.6	16	85			2.40178
3	1	5502.6	16	100			3.063023
4	1	5502.6	16	55			4.271235
5	2	5502.6	16	70	1082		6.632386
6	1	5502.6	16	90			7.597168

7	1	5502.6	16	85			8.969492
8	1	5502.6	16	55			9.888631
9	1	5502.6	16	70			11.742602

USA Bin 5 Trial #29

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5503	15	50	1166		1.09436
2	3	5503	15	55	1043	1189	1.471562
3	2	5503	15	65	1966		2.73806
4	1	5503	15	90			3.638283
5	3	5503	15	80	1695	1073	5.303865
6	3	5503	15	55	1998	1752	7.054217
7	3	5503	15	60	1956	1022	7.730658
8	1	5503	15	85			9.227186
9	3	5503	15	75	1057	1595	9.641955
10	2	5503	15	85	1748		11.507354

USA Bin 5 Trial #30

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5504.6	11	60	1726		0.277286
2	1	5504.6	11	80			0.856718
3	1	5504.6	11	85			1.948138
4	3	5504.6	11	80	1015	1314	2.354285
5	3	5504.6	11	55	1616	1218	3.148734
6	1	5504.6	11	60			4.280291
7	1	5504.6	11	100			4.773312
8	1	5504.6	11	55			5.821221
9	2	5504.6	11	55	1449		6.009287
10	1	5504.6	11	75			7.12443
11	3	5504.6	11	60	1509	1990	7.623986
12	2	5504.6	11	100	1163		8.260686
13	1	5504.6	11	90			9.4237
14	3	5504.6	11	70	1487	1368	10.00028
15	1	5504.6	11	65			11.175212
16	3	5504.6	11	95	1172	1460	11.706662

*See the Bin6 Radar Characteristics at the end of this report.

Channel 5500 20MHz BW, USA Frequency Hopping Radar Statistical Performance

Trial #	Name	1=Detection 0=No Detection	Detection Percentage	Limit
1	USA Bin 6 Radar Test 1	1	100.0%	70.0%
2	USA Bin 6 Radar Test 2	1		
3	USA Bin 6 Radar Test 3	1		
4	USA Bin 6 Radar Test 4	1		
5	USA Bin 6 Radar Test 5	1		
6	USA Bin 6 Radar Test 6	1		
7	USA Bin 6 Radar Test 7	1		
8	USA Bin 6 Radar Test 8	1		
9	USA Bin 6 Radar Test 9	1		
10	USA Bin 6 Radar Test 10	1		
11	USA Bin 6 Radar Test 11	1		
12	USA Bin 6 Radar Test 12	1		
13	USA Bin 6 Radar Test 13	1		
14	USA Bin 6 Radar Test 14	1		
15	USA Bin 6 Radar Test 15	1		
16	USA Bin 6 Radar Test 16	1		
17	USA Bin 6 Radar Test 17	1		
18	USA Bin 6 Radar Test 18	1		
19	USA Bin 6 Radar Test 19	1		
20	USA Bin 6 Radar Test 20	1		
21	USA Bin 6 Radar Test 21	1		
22	USA Bin 6 Radar Test 22	1		
23	USA Bin 6 Radar Test 23	1		
24	USA Bin 6 Radar Test 24	1		
25	USA Bin 6 Radar Test 25	1		
26	USA Bin 6 Radar Test 26	1		
27	USA Bin 6 Radar Test 27	1		
28	USA Bin 6 Radar Test 28	1		
29	USA Bin 6 Radar Test 29	1		
30	USA Bin 6 Radar Test 30	1		

USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
51	5495	153
63	5508	189
84	5499	252
96	5509	288

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
1	5494	3
5	5506	15
19	5503	57
47	5493	141
54	5500	162
64	5507	192
89	5498	267

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
41	5498	123
43	5508	129
50	5503	150
67	5495	201
84	5496	252

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
70	5491	210
90	5497	270

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
36	5509	108
59	5493	177

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
23	5504	69
46	5491	138
65	5497	195
89	5502	267

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
30	5496	90

35	5499	105
59	5505	177
65	5503	195
86	5495	258
93	5508	279

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
51	5494	153
54	5508	162
66	5507	198

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
8	5504	24
53	5505	159
67	5503	201
84	5507	252
95	5509	285

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
3	5496	9
10	5494	30
20	5493	60
37	5507	111
52	5504	156
56	5499	168
77	5506	231
86	5505	258

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
20	5491	60
34	5497	102
87	5501	261

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
23	5508	69
43	5496	129
52	5506	156
58	5500	174
81	5498	243

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
18	5505	54
51	5501	153
54	5491	162
84	5495	252

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
6	5498	18
83	5499	249
87	5503	261
94	5495	282

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
35	5504	105
44	5497	132
49	5505	147
74	5502	222

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
0	5493	0
27	5497	81
49	5501	147
89	5507	267

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
2	5507	6
14	5500	42
54	5497	162

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
33	5509	99
36	5500	108
41	5494	123
69	5507	207
78	5497	234

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
13	5503	39
25	5502	75

41	5492	123
98	5505	294

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
17	5501	51
83	5499	249

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
4	5491	12
17	5503	51
47	5505	141
52	5509	156
89	5508	267

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
20	5496	60
25	5504	75
44	5495	132
57	5502	171
65	5494	195
70	5507	210
85	5497	255
88	5499	264

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
10	5503	30
22	5501	66
34	5492	102
46	5497	138
47	5500	141
75	5498	225

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
25	5497	75
31	5496	93
88	5503	264

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
11	5509	33
28	5498	84

63	5499	189
88	5492	264

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
73	5503	219
74	5493	222
79	5509	237

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
1	5491	3
5	5503	15
11	5493	33
18	5502	54
49	5495	147
71	5498	213

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
46	5505	138
60	5495	180

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
0	5504	0
15	5501	45
38	5493	114
43	5505	129
69	5502	207

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
45	5501	135
57	5498	171
77	5492	231
83	5496	249

Channel 5510 40MHz BW, USA Bin 1A/1B Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	61	1	878	1	100.0%	60.0%
2	58	1	918	1		
3	57	1	938	1		
4	58	1	918	1		
5	58	1	918	1		
6	74	1	718	1		
7	68	1	778	1		
8	68	1	778	1		
9	74	1	718	1		
10	57	1	938	1		
11	68	1	778	1		
12	18	1	3066	1		
13	62	1	858	1		
14	92	1	578	1		
15	59	1	898	1		
16	22	1	2484	1		
17	19	1	2790	1		
18	27	1	1961	1		
19	21	1	2546	1		
20	18	1	3002	1		
21	27	1	1981	1		
22	29	1	1844	1		
23	50	1	1057	1		
24	27	1	2003	1		
25	20	1	2675	1		
26	27	1	1976	1		
27	21	1	2546	1		
28	18	1	2966	1		
29	89	1	595	1		
30	48	1	1120	1		

Channel 5510 40MHz BW, USA Bin 2 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	29	2.4	208	0		
2	26	1.2	172	1		
3	29	1.1	229	1		
4	27	1.6	210	1		
5	27	4	208	1		
6	25	3.6	159	1		
7	29	1.6	194	1		
8	26	4.4	200	1		
9	24	2.5	221	0		
10	23	2	186	0		
11	26	4.1	203	1		
12	26	4.5	167	1		
13	23	1.7	199	1		
14	26	4.7	170	1		
15	27	4.9	207	1		
16	24	2.3	151	1	76.7%	60.0%
17	24	2.3	212	1		
18	24	4.1	188	1		
19	28	4.1	189	1		
20	28	3.9	219	1		
21	24	1.1	221	0		
22	23	4.2	209	1		
23	26	3.4	163	1		
24	28	3.4	215	1		
25	26	1.6	218	1		
26	26	3.7	155	1		
27	26	4.1	221	0		
28	28	2.4	228	1		
29	23	4	213	0		
30	24	2.5	158	0		

Channel 5510 40MHz BW, USA Bin 3 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	18	8.2	380	1	80.0%	60.0%
2	18	7.6	384	1		
3	18	8.9	449	1		
4	17	8.7	346	1		
5	18	6.2	262	0		
6	18	6	401	0		
7	16	8.2	280	1		
8	16	9	400	1		
9	17	8.2	312	0		
10	17	6.4	205	1		
11	17	7.6	296	1		
12	18	9.4	288	1		
13	18	7.6	321	1		
14	17	6.6	269	0		
15	16	7.4	338	1		
16	16	7.7	297	1		
17	18	6.9	363	1		
18	16	8.5	372	0		
19	18	6.8	497	1		
20	16	8.5	271	1		
21	18	7.7	397	1		
22	18	8.9	348	1		
23	17	9.5	390	0		
24	16	7.3	202	1		
25	18	9.5	313	1		
26	17	6.5	456	1		
27	16	7.7	216	1		
28	18	7.3	224	1		
29	18	7.3	200	1		
30	17	7.9	249	1		

Channel 5510 40MHz BW, USA Bin 4 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	12	16.1	309	1		
2	15	14.5	310	0		
3	16	16.8	496	1		
4	15	19.5	262	1		
5	15	17.4	427	1		
6	15	18.4	213	1		
7	12	12.8	298	1		
8	12	16.2	374	1		
9	16	18.2	423	1		
10	15	11.1	496	0		
11	12	13.6	341	1		
12	12	14.3	303	0		
13	16	19.2	473	1		
14	12	11.8	364	0		
15	13	14.4	413	1	83.3%	60.0%
16	12	19.9	205	1		
17	13	15.8	379	0		
18	12	17.8	461	1		
19	12	17.6	343	1		
20	16	14.1	416	1		
21	12	11.7	324	1		
22	13	18	429	1		
23	16	18	463	1		
24	13	13.4	390	1		
25	12	14.8	273	1		
26	13	16.6	262	1		
27	13	14.1	286	1		
28	14	14.4	238	1		
29	12	13	250	1		
30	15	19.6	209	1		

In addition an average minimum percentage of successful detection across all four Short pulse radar test waveforms is required and is calculated as follows:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4}$$ = (100.0%+76.7%+80.0%+83.3%)/4 = 85.0% >80%

See the Bin6 Radar Characteristics at the end of this report.

Channel 5510 40MHz BW, USA Bin 5 Radar Statistical Performance

Trial #	Name	1=Detection 0=No Detection	Detection Percentage	Limit
1	USA Bin 5 Radar Test 1	1	100.0%	80.0%
2	USA Bin 5 Radar Test 2	1		
3	USA Bin 5 Radar Test 3	1		
4	USA Bin 5 Radar Test 4	1		
5	USA Bin 5 Radar Test 5	1		
6	USA Bin 5 Radar Test 6	1		
7	USA Bin 5 Radar Test 7	1		
8	USA Bin 5 Radar Test 8	1		
9	USA Bin 5 Radar Test 9	1		
10	USA Bin 5 Radar Test 10	1		
11	USA Bin 5 Radar Test 11	1		
12	USA Bin 5 Radar Test 12	1		
13	USA Bin 5 Radar Test 13	1		
14	USA Bin 5 Radar Test 14	1		
15	USA Bin 5 Radar Test 15	1		
16	USA Bin 5 Radar Test 16	1		
17	USA Bin 5 Radar Test 17	1		
18	USA Bin 5 Radar Test 18	1		
19	USA Bin 5 Radar Test 19	1		
20	USA Bin 5 Radar Test 20	1		
21	USA Bin 5 Radar Test 21	1		
22	USA Bin 5 Radar Test 22	1		
23	USA Bin 5 Radar Test 23	1		
24	USA Bin 5 Radar Test 24	1		
25	USA Bin 5 Radar Test 25	1		
26	USA Bin 5 Radar Test 26	1		
27	USA Bin 5 Radar Test 27	1		
28	USA Bin 5 Radar Test 28	1		
29	USA Bin 5 Radar Test 29	1		
30	USA Bin 5 Radar Test 30	1		

USA Bin 5 Trial #1

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5496.4	11	55			0.825523
2	3	5496.4	11	70	1852	1364	1.288609
3	2	5496.4	11	65	1578		1.818804
4	1	5496.4	11	90			3.159557
5	2	5496.4	11	90	1296		3.999683
6	3	5496.4	11	80	1533	1376	4.811303
7	1	5496.4	11	60			5.601037
8	1	5496.4	11	65			6.617968
9	2	5496.4	11	50	1289		7.417358
10	3	5496.4	11	60	1638	1056	8.146408
11	2	5496.4	11	60	1656		9.045491
12	1	5496.4	11	90			9.523879
13	3	5496.4	11	90	1403	1196	10.909033
14	1	5496.4	11	85			11.593676

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5496.4	11	65			0.317231
2	2	5496.4	11	85	1249		1.633494
3	2	5496.4	11	95	1507		2.349926
4	3	5496.4	11	60	1722	1021	3.621288
5	2	5496.4	11	70	1021		4.286882
6	1	5496.4	11	75			5.451286
7	2	5496.4	11	50	1289		6.548506
8	3	5496.4	11	75	1307	1878	7.08246
9	2	5496.4	11	50	1614		8.056289
10	2	5496.4	11	80	1576		9.24208
11	1	5496.4	11	95			10.187885
12	1	5496.4	11	100			11.979007

USA Bin 5 Trial #3

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5500	20	55			0.466005
2	3	5500	20	65	1563	1776	0.720018
3	2	5500	20	75	1814		1.823666
4	1	5500	20	65			2.525153
5	3	5500	20	80	1211	1747	3.099271
6	2	5500	20	55	1495		3.588434
7	1	5500	20	95			4.753396

8	3	5500	20	85	1742	1368	5.053097
9	2	5500	20	95	1535		6.234821
10	2	5500	20	50	1082		6.370566
11	2	5500	20	60	1855		7.161303
12	3	5500	20	85	1313	1136	8.369292
13	3	5500	20	95	1054	1760	8.958965
14	2	5500	20	100	1691		9.310336
15	2	5500	20	55	1720		9.923689
16	2	5500	20	90	1793		10.642176
17	3	5500	20	95	1907	1245	11.564507

USA Bin 5 Trial #4

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5497.6	14	80			0.786984
2	1	5497.6	14	50			1.827136
3	2	5497.6	14	70	1619		2.940196
4	1	5497.6	14	85			4.80687
5	2	5497.6	14	50	1648		6.63084
6	3	5497.6	14	80	1171	1089	7.314653
7	1	5497.6	14	90			8.98504
8	1	5497.6	14	95			10.561899
9	1	5497.6	14	100			11.431828

USA Bin 5 Trial #5

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5499.2	18	55	1857		1.138565
2	2	5499.2	18	85	1800		1.49287
3	1	5499.2	18	75			3.442875
4	1	5499.2	18	50			4.717082
5	3	5499.2	18	70	1393	1708	5.06309
6	2	5499.2	18	65	1995		6.062142
7	3	5499.2	18	50	1166	1371	7.916
8	3	5499.2	18	75	1060	1770	8.984558
9	1	5499.2	18	80			9.731021
10	2	5499.2	18	65	1643		10.834565

USA Bin 5 Trial #6

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5496.8	12	85			0.22543
2	1	5496.8	12	85			2.541463
3	3	5496.8	12	75	1474	1097	3.102375
4	3	5496.8	12	70	1258	1566	4.229278
5	2	5496.8	12	85	1415		5.805801

6	2	5496.8	12	85	1991		7.054523
7	1	5496.8	12	65			8.308399
8	1	5496.8	12	60			9.50394
9	1	5496.8	12	100			11.672684

USA Bin 5 Trial #7

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5494.4	6	50	1765		0.813539
2	3	5494.4	6	55	1118	1720	1.65221
3	3	5494.4	6	55	1207	1829	2.302958
4	2	5494.4	6	90	1831		3.475188
5	2	5494.4	6	55	1372		4.975178
6	2	5494.4	6	90	1599		5.550799
7	2	5494.4	6	100	1843		7.558747
8	2	5494.4	6	75	1565		8.274483
9	3	5494.4	6	95	1414	1352	8.894429
10	2	5494.4	6	50	1143		10.596457
11	1	5494.4	6	60			11.516679

USA Bin 5 Trial #8

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5498	15	65	1563		0.256612
2	2	5498	15	80	1860		1.125065
3	2	5498	15	85	1158		1.825982
4	1	5498	15	70			3.140813
5	1	5498	15	95			3.632971
6	2	5498	15	65	1954		4.018339
7	2	5498	15	70	1706		5.591093
8	3	5498	15	50	1292	1408	5.732642
9	1	5498	15	65			6.505918
10	3	5498	15	90	1942	1630	7.556318
11	2	5498	15	85	1735		8.765054
12	1	5498	15	95			9.546023
13	2	5498	15	85	1923		10.073162
14	2	5498	15	85	1705		10.954048
15	1	5498	15	60			11.222194

USA Bin 5 Trial #9

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5495.2	8	60	1236		0.164304
2	1	5495.2	8	100			1.971384
3	3	5495.2	8	90	1107	1455	3.733786
4	2	5495.2	8	75	1616		5.156669

5	3	5495.2	8	95	1743	1775	5.702947
6	2	5495.2	8	55	1717		6.755251
7	1	5495.2	8	60			8.711639
8	3	5495.2	8	75	1545	1723	9.715102
9	3	5495.2	8	100	1694	1003	11.928854

USA Bin 5 Trial #10

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5498	15	70	1115		0.055332
2	3	5498	15	85	1770	1616	1.150033
3	1	5498	15	75			1.978207
4	2	5498	15	75	1225		2.162008
5	1	5498	15	90			2.955186
6	1	5498	15	75			3.518294
7	3	5498	15	60	1714	1766	4.239632
8	1	5498	15	95			4.684604
9	2	5498	15	60	1896		5.608903
10	1	5498	15	90			6.54578
11	2	5498	15	100	1604		7.02854
12	1	5498	15	55			7.746488
13	2	5498	15	85	1437		8.304128
14	2	5498	15	50	1785		9.022686
15	1	5498	15	85			9.694233
16	1	5498	15	65			10.539491
17	3	5498	15	90	1659	1352	10.970372
18	3	5498	15	70	1875	1581	11.74304

USA Bin 5 Trial #11

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5510	18	100	1367	1079	0.758425
2	1	5510	18	75			1.643784
3	3	5510	18	90	1676	1977	3.708598
4	1	5510	18	95			4.518749
5	1	5510	18	95			5.710517
6	2	5510	18	80	1937		6.935951
7	2	5510	18	95	1356		9.096588
8	2	5510	18	50	1113		10.095785
9	3	5510	18	70	1101	1457	11.787038

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5510	5	95	1984		0.921663
2	1	5510	5	55			1.236628

3	2	5510	5	95	1645		2.295359
4	2	5510	5	70	1386		3.700019
5	1	5510	5	55			4.428609
6	2	5510	5	65	1033		6.015871
7	1	5510	5	80			7.23815
8	1	5510	5	80			8.265517
9	3	5510	5	65	1370	1685	9.680872
10	2	5510	5	80	1561		10.138333
11	3	5510	5	90	1178	1842	11.651509

USA Bin 5 Trial #13

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5510	18	50	1245	1629	0.429106
2	3	5510	18	95	1497	1325	1.094414
3	3	5510	18	65	1930	1056	1.768295
4	3	5510	18	65	1420	1346	2.377242
5	2	5510	18	90	1916		2.873106
6	1	5510	18	80			3.659841
7	2	5510	18	85	1516		4.341031
8	2	5510	18	60	1385		5.05218
9	2	5510	18	50	1293		5.656079
10	1	5510	18	95			6.393965
11	1	5510	18	100			7.266049
12	2	5510	18	70	1266		7.842193
13	2	5510	18	100	1396		8.650323
14	3	5510	18	90	1461	1437	9.205891
15	1	5510	18	85			9.623622
16	2	5510	18	50	1133		10.494858
17	3	5510	18	75	1389	1666	11.073131
18	2	5510	18	50	1094		11.785376

USA Bin 5 Trial #14

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5510	12	80	1980		0.230647
2	1	5510	12	95			0.767608
3	3	5510	12	60	1102	1864	2.00626
4	1	5510	12	95			2.152114
5	3	5510	12	90	1640	1795	3.138342
6	2	5510	12	85	1626		3.70339
7	3	5510	12	70	1599	1061	4.270821
8	3	5510	12	95	1360	1232	5.20225
9	1	5510	12	100			6.135258
10	2	5510	12	85	1459		6.503831
11	3	5510	12	90	1298	1491	7.690381

12	1	5510	12	50			8.231323
13	3	5510	12	85	1665	1959	8.674012
14	1	5510	12	80			9.5955
15	3	5510	12	80	1065	1690	9.929531
16	3	5510	12	55	1922	1835	10.606147
17	3	5510	12	80	1062	1465	11.394035

USA Bin 5 Trial #15

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5510	5	95	1126	1601	0.516141
2	1	5510	5	85			1.333563
3	1	5510	5	50			3.38203
4	3	5510	5	95	1561	1735	4.609853
5	1	5510	5	55			5.764207
6	2	5510	5	80	1910		6.473705
7	3	5510	5	60	1855	1816	7.38131
8	3	5510	5	60	1994	1492	8.87154
9	1	5510	5	50			10.518247
10	3	5510	5	60	1069	1450	11.959677

USA Bin 5 Trial #16

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5510	17	70	1106		0.926236
2	3	5510	17	90	1093	1931	1.757672
3	2	5510	17	85	1736		2.794323
4	3	5510	17	65	1113	1700	4.249922
5	3	5510	17	95	1419	1644	5.415338
6	1	5510	17	50			5.901694
7	3	5510	17	95	1907	1275	7.486023
8	3	5510	17	50	1092	1518	7.677232
9	2	5510	17	90	1682		9.679226
10	1	5510	17	75			10.51792
11	2	5510	17	100	1878		11.340331

USA Bin 5 Trial #17

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5510	11	50	1507	1186	0.195325
2	2	5510	11	80	1586		0.962733
3	3	5510	11	80	1336	1543	1.501319
4	2	5510	11	100	1968		2.239078
5	1	5510	11	80			2.983828
6	1	5510	11	50			3.763184
7	2	5510	11	55	1213		4.368856

8	1	5510	11	85			4.630777
9	1	5510	11	50			5.285886
10	2	5510	11	90	1855		5.755769
11	3	5510	11	90	1296	1971	6.852932
12	2	5510	11	100	1920		7.119791
13	2	5510	11	65	1139		7.8262
14	2	5510	11	60	1509		8.716474
15	2	5510	11	50	1408		9.304158
16	2	5510	11	55	1148		9.773811
17	1	5510	11	100			10.68938
18	1	5510	11	60			11.277306
19	3	5510	11	75	1276	1927	11.929351

USA Bin 5 Trial #18

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5510	12	95			0.382255
2	1	5510	12	65			0.978418
3	3	5510	12	95	1825	1478	1.497717
4	3	5510	12	85	1634	1493	2.011912
5	1	5510	12	50			2.864071
6	1	5510	12	85			3.534809
7	2	5510	12	85	1316		3.928102
8	3	5510	12	50	1234	1199	4.491519
9	2	5510	12	50	1465		4.847384
10	3	5510	12	50	1477	1760	5.902923
11	3	5510	12	75	1754	1767	6.335287
12	1	5510	12	60			6.65901
13	1	5510	12	55			7.465836
14	3	5510	12	80	1202	1573	8.161987
15	2	5510	12	90	1741		8.649785
16	3	5510	12	50	1753	1168	9.261939
17	2	5510	12	80	1091		9.849618
18	2	5510	12	60	1208		10.586101
19	1	5510	12	55			11.023698
20	1	5510	12	65			11.513382

USA Bin 5 Trial #19

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5510	13	100	1391		0.583374
2	2	5510	13	55	1726		0.873494
3	1	5510	13	75			1.768414
4	1	5510	13	95			2.093012
5	1	5510	13	65			2.48803
6	2	5510	13	80	1505		3.149473

7	1	5510	13	95			3.960451
8	3	5510	13	80	1395	1121	4.271854
9	1	5510	13	75			4.955512
10	2	5510	13	85	1401		5.920955
11	1	5510	13	55			6.144168
12	1	5510	13	65			7.105879
13	2	5510	13	85	1130		7.524948
14	1	5510	13	70			7.854507
15	3	5510	13	90	1233	1132	8.841045
16	1	5510	13	85			9.053567
17	1	5510	13	70			10.140956
18	1	5510	13	80			10.479435
19	1	5510	13	50			11.20547
20	1	5510	13	65			11.696572

USA Bin 5 Trial #20

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5510	14	95	1593		0.248907
2	3	5510	14	65	1132	1946	1.161046
3	1	5510	14	90			1.902165
4	2	5510	14	70	1210		2.885505
5	1	5510	14	65			3.494483
6	1	5510	14	65			4.218005
7	1	5510	14	75			4.874114
8	1	5510	14	95			5.914366
9	3	5510	14	90	1094	1460	6.67764
10	1	5510	14	60			6.950038
11	2	5510	14	100	1093		7.752412
12	3	5510	14	75	1331	1096	8.654934
13	1	5510	14	75			9.519146
14	3	5510	14	60	1159	1082	10.433294
15	3	5510	14	90	1329	1986	11.092903
16	2	5510	14	70	1097		11.303971

USA Bin 5 Trial #21

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5520	20	90			1.102078
2	1	5520	20	75			2.161991
3	3	5520	20	80	1108	1374	2.595912
4	2	5520	20	95	1930		4.596212
5	1	5520	20	65			4.889785
6	3	5520	20	80	1403	1443	6.827646
7	3	5520	20	50	1473	1910	7.339738
8	3	5520	20	55	1783	1750	9.203464

9	2	5520	20	65	1633		9.940163
10	1	5520	20	75			11.041161

USA Bin 5 Trial #22

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5520.8	18	95	1008	1706	0.240216
2	2	5520.8	18	55	1589		0.802921
3	2	5520.8	18	95	1942		1.838962
4	3	5520.8	18	65	1789	1883	2.012231
5	3	5520.8	18	60	1214	1260	2.611272
6	1	5520.8	18	70			3.281944
7	2	5520.8	18	60	1031		4.085712
8	3	5520.8	18	85	1549	1404	4.842464
9	3	5520.8	18	55	1952	1475	5.247938
10	3	5520.8	18	90	1147	1045	6.232803
11	3	5520.8	18	100	1650	1289	6.692664
12	1	5520.8	18	75			7.382663
13	2	5520.8	18	60	1234		7.691901
14	3	5520.8	18	65	1583	1552	8.819816
15	2	5520.8	18	65	1247		8.926317
16	1	5520.8	18	80			9.926327
17	3	5520.8	18	100	1158	1323	10.446164
18	2	5520.8	18	100	1151		10.753651
19	3	5520.8	18	85	1344	1546	11.876026

USA Bin 5 Trial #23

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5522.4	14	80	1583		1.05031
2	1	5522.4	14	65			1.814763
3	3	5522.4	14	70	1029	1615	3.14338
4	1	5522.4	14	85			5.158988
5	2	5522.4	14	75	1398		6.479787
6	1	5522.4	14	85			7.850007
7	3	5522.4	14	60	1657	1510	8.282217
8	3	5522.4	14	85	1565	1159	10.030943
9	1	5522.4	14	70			11.000259

USA Bin 5 Trial #24

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5520.8	18	75			0.524631
2	1	5520.8	18	75			1.112059
3	1	5520.8	18	95			1.936886
4	2	5520.8	18	50	1247		2.463927

5	2	5520.8	18	65	1196		3.273796
6	1	5520.8	18	60			3.881734
7	3	5520.8	18	95	1221	1368	4.988272
8	3	5520.8	18	90	1231	1163	5.60173
9	1	5520.8	18	50			6.303038
10	2	5520.8	18	60	1775		7.266746
11	2	5520.8	18	100	1373		7.574633
12	2	5520.8	18	60	1241		8.295529
13	1	5520.8	18	70			9.392598
14	1	5520.8	18	55			10.403694
15	1	5520.8	18	55			10.897481
16	2	5520.8	18	95	1311		11.429382

USA Bin 5 Trial #25

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5522.4	14	60	1735	1499	0.207059
2	3	5522.4	14	50	1093	1856	1.553395
3	2	5522.4	14	70	1642		2.560139
4	2	5522.4	14	75	1064		3.617448
5	3	5522.4	14	75	1387	1937	3.900978
6	2	5522.4	14	85	1082		5.407242
7	2	5522.4	14	85	1653		5.59166
8	3	5522.4	14	90	1199	1681	6.830588
9	2	5522.4	14	65	1348		7.555172
10	1	5522.4	14	70			9.018008
11	3	5522.4	14	75	1429	1148	9.697157
12	3	5522.4	14	90	1965	1280	10.56435
13	2	5522.4	14	95	1286		11.901272

USA Bin 5 Trial #26

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5522	15	95	1285		0.658559
2	2	5522	15	90	1556		1.525578
3	1	5522	15	80			2.254704
4	2	5522	15	55	1787		3.370215
5	3	5522	15	75	1406	1800	3.675275
6	2	5522	15	95	1249		4.987889
7	2	5522	15	85	1183		5.173282
8	3	5522	15	60	1316	1744	6.837989
9	3	5522	15	55	1664	1045	7.503252
10	1	5522	15	70			7.910783
11	3	5522	15	85	1462	1119	8.993216
12	2	5522	15	90	1626		10.102863
13	1	5522	15	60			10.330543

14	2	5522	15	75	1116		11.384341

USA Bin 5 Trial #27

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5521.6	16	75			0.27896
2	3	5521.6	16	75	1354	1326	2.114121
3	2	5521.6	16	65	1663		3.093706
4	3	5521.6	16	80	1673	1770	4.48392
5	3	5521.6	16	100	1542	1747	6.130151
6	1	5521.6	16	60			7.09684
7	3	5521.6	16	70	1150	1264	8.874078
8	3	5521.6	16	75	1635	1793	9.447522
9	3	5521.6	16	80	1095	1164	11.921396

USA Bin 5 Trial #28

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5524.8	8	80			0.484356
2	2	5524.8	8	85	1376		1.353087
3	2	5524.8	8	80	1737		2.660815
4	2	5524.8	8	85	1615		3.121736
5	1	5524.8	8	85			4.011393
6	1	5524.8	8	65			5.141181
7	2	5524.8	8	65	1956		6.001974
8	1	5524.8	8	75			7.007921
9	1	5524.8	8	95			8.457826
10	3	5524.8	8	80	1713	1986	9.940476
11	1	5524.8	8	65			10.052007
12	3	5524.8	8	75	1195	1657	11.652046

USA Bin 5 Trial #29

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5525.6	6	75	1210	1025	0.792358
2	3	5525.6	6	80	1966	1320	2.060012
3	1	5525.6	6	90			2.547381
4	3	5525.6	6	80	1330	1610	3.332352
5	1	5525.6	6	80			4.412844
6	1	5525.6	6	60			5.902191
7	3	5525.6	6	95	1239	1761	6.656334
8	1	5525.6	6	65			7.792194
9	2	5525.6	6	50	1919		9.458441
10	2	5525.6	6	75	1161		10.075859
11	3	5525.6	6	95	1317	1058	11.994411

USA Bin 5 Trial #30

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5523.6	11	95			0.304476
2	3	5523.6	11	75	1138	1101	2.325101
3	3	5523.6	11	90	1800	1249	3.967331
4	3	5523.6	11	80	1060	1065	5.21019
5	3	5523.6	11	90	1799	1539	5.942045
6	2	5523.6	11	95	1579		6.916124
7	2	5523.6	11	80	1463		8.012292
8	2	5523.6	11	55	1881		10.172275
9	1	5523.6	11	75			11.075427

*See the Bin6 Radar Characteristics at the end of this report.

Channel 5510 40MHz BW, USA Frequency Hopping Radar Statistical Performance

Trial #	Name	1=Detection 0=No Detection	Detection Percentage	Limit
1	USA Bin 6 Radar Test 1	1	100.0%	70.0%
2	USA Bin 6 Radar Test 2	1		
3	USA Bin 6 Radar Test 3	1		
4	USA Bin 6 Radar Test 4	1		
5	USA Bin 6 Radar Test 5	1		
6	USA Bin 6 Radar Test 6	1		
7	USA Bin 6 Radar Test 7	1		
8	USA Bin 6 Radar Test 8	1		
9	USA Bin 6 Radar Test 9	1		
10	USA Bin 6 Radar Test 10	1		
11	USA Bin 6 Radar Test 11	1		
12	USA Bin 6 Radar Test 12	1		
13	USA Bin 6 Radar Test 13	1		
14	USA Bin 6 Radar Test 14	1		
15	USA Bin 6 Radar Test 15	1		
16	USA Bin 6 Radar Test 16	1		
17	USA Bin 6 Radar Test 17	1		
18	USA Bin 6 Radar Test 18	1		
19	USA Bin 6 Radar Test 19	1		
20	USA Bin 6 Radar Test 20	1		
21	USA Bin 6 Radar Test 21	1		
22	USA Bin 6 Radar Test 22	1		
23	USA Bin 6 Radar Test 23	1		
24	USA Bin 6 Radar Test 24	1		
25	USA Bin 6 Radar Test 25	1		
26	USA Bin 6 Radar Test 26	1		
27	USA Bin 6 Radar Test 27	1		
28	USA Bin 6 Radar Test 28	1		
29	USA Bin 6 Radar Test 29	1		
30	USA Bin 6 Radar Test 30	1		

USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
5	5518	15
8	5507	24
31	5504	93
54	5523	162
55	5517	165
69	5503	207
74	5497	222
84	5527	252
86	5521	258
96	5526	288

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
3	5516	9
5	5525	15
43	5524	129
48	5505	144
54	5503	162
57	5493	171
71	5507	213
75	5497	225
94	5522	282

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
9	5521	27
15	5499	45
16	5497	48
23	5505	69
26	5498	78
92	5496	276

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
12	5513	36
37	5496	111
39	5502	117
42	5501	126
59	5509	177
73	5528	219
81	5494	243
93	5506	279

97	5516	291

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
18	5509	54
19	5511	57
41	5507	123
57	5494	171
67	5526	201
74	5508	222
75	5525	225
86	5527	258
87	5500	261
88	5505	264

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
3	5494	9
32	5500	96
43	5509	129
62	5506	186
64	5512	192
67	5510	201
71	5513	213
90	5524	270
94	5507	282

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
2	5510	6
3	5492	9
4	5499	12
10	5502	30
11	5498	33
15	5508	45
22	5511	66
32	5506	96
34	5518	102
35	5504	105
69	5520	207

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
16	5497	48
49	5501	147
58	5512	174

63	5493	189
86	5500	258
89	5509	267

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
4	5526	12
28	5528	84
45	5506	135
48	5501	144
72	5503	216
80	5517	240
92	5520	276
97	5508	291

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
22	5517	66
27	5509	81
32	5526	96
37	5501	111
42	5502	126
45	5499	135
70	5516	210
78	5505	234
82	5515	246
83	5496	249
89	5510	267

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
25	5499	75
32	5510	96
42	5519	126
50	5503	150
52	5516	156
57	5496	171
74	5524	222
80	5517	240

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
4	5505	12
18	5500	54
20	5501	60
32	5510	96

45	5499	135
50	5516	150
52	5492	156
58	5527	174
59	5493	177
66	5518	198

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
32	5519	96
33	5498	99
43	5515	129
72	5524	216
90	5520	270
94	5501	282
98	5526	294

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
0	5521	0
45	5517	135
52	5518	156
53	5509	159
68	5504	204
93	5506	279

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
16	5505	48
21	5492	63
49	5509	147
56	5493	168
61	5508	183
95	5507	285

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
20	5523	60
38	5524	114
60	5494	180
76	5516	228
77	5517	231
97	5507	291

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)

0	5522	0
17	5509	51
23	5525	69
30	5499	90
37	5507	111
72	5493	216
75	5524	225
97	5495	291

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
10	5521	30
19	5503	57
28	5496	84
30	5524	90
38	5519	114
48	5504	144
75	5515	225

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
19	5508	57
29	5527	87
46	5498	138
60	5497	180
61	5516	183
64	5521	192

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
40	5500	120
51	5518	153
58	5521	174
65	5505	195
67	5510	201
83	5501	249

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
8	5521	24
42	5495	126
59	5522	177
74	5515	222
76	5506	228
77	5518	231
82	5513	246

83	5507	249
91	5524	273

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
19	5512	57
35	5510	105
47	5495	141
50	5506	150
52	5515	156
64	5497	192
65	5514	195
90	5523	270

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
9	5512	27
31	5498	93
38	5525	114
39	5511	117
42	5493	126
51	5516	153
57	5528	171
59	5500	177
91	5527	273
94	5492	282

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
12	5504	36
24	5501	72
27	5506	81
45	5500	135
53	5498	159
73	5499	219
86	5494	258
96	5522	288

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
13	5504	39
20	5520	60
27	5506	81
34	5516	102
51	5517	153
60	5501	180

75	5503	225
81	5528	243
86	5508	258

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
7	5494	21
12	5518	36
21	5516	63
39	5528	117
55	5500	165
58	5517	174
64	5503	192
76	5501	228
91	5510	273

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
4	5519	12
51	5506	153
54	5492	162
59	5495	177
66	5524	198
68	5525	204

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
16	5517	48
19	5500	57
27	5507	81
52	5516	156
70	5494	210
78	5501	234
83	5528	249
94	5526	282
98	5527	294

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
29	5499	87
38	5492	114
39	5513	117
50	5507	150
58	5527	174
65	5519	195
73	5508	219

83	5520	249

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
7	5496	21
11	5508	33
52	5499	156
58	5524	174
62	5527	186
65	5512	195
74	5521	222
79	5523	237
85	5513	255

Channel 5530 80MHz BW, USA Bin 1A/1B Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	65	1	818	1	100.0%	60.0%
2	72	1	738	1		
3	63	1	838	1		
4	58	1	918	1		
5	62	1	858	1		
6	92	1	578	1		
7	59	1	898	1		
8	81	1	658	1		
9	70	1	758	1		
10	61	1	878	1		
11	68	1	778	1		
12	63	1	838	1		
13	57	1	938	1		
14	89	1	598	1		
15	18	1	3066	1		
16	27	1	1995	1		
17	33	1	1620	1		
18	60	1	892	1		
19	42	1	1273	1		
20	35	1	1540	1		
21	37	1	1451	1		
22	21	1	2597	1		
23	83	1	637	1		
24	22	1	2417	1		
25	30	1	1778	1		
26	53	1	1001	1		
27	47	1	1135	1		
28	51	1	1040	1		
29	25	1	2155	1		
30	35	1	1519	1		

Channel 5530 80MHz BW, USA Bin 2 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	29	1.2	226	1	93.3%	60.0%
2	29	4.6	208	1		
3	26	2.6	172	1		
4	29	1.4	192	1		
5	29	1.2	229	1		
6	26	3.8	194	1		
7	25	3.6	229	1		
8	23	4.5	205	1		
9	24	2.3	225	1		
10	28	2.4	160	1		
11	29	2.3	158	1		
12	28	2.5	218	1		
13	25	3.1	199	1		
14	25	2.2	177	1		
15	26	3.4	177	1		
16	25	1.3	160	1		
17	26	4.5	154	0		
18	29	3.9	213	1		
19	26	4.3	205	1		
20	23	3.8	188	1		
21	25	4.2	168	1		
22	26	3.2	230	1		
23	26	2.1	162	1		
24	24	1.3	185	1		
25	24	2	210	1		
26	27	3.7	211	1		
27	28	1.5	228	1		
28	24	4.7	230	1		
29	24	4.4	195	1		
30	28	2.9	165	0		

Channel 5530 80MHz BW, USA Bin 3 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	16	6.3	303	0	73.3%	60.0%
2	17	9.2	355	1		
3	17	6.1	409	0		
4	17	9	402	1		
5	16	7.8	202	1		
6	18	7.3	419	1		
7	16	8.2	414	1		
8	16	6.9	499	1		
9	16	7.9	246	0		
10	17	9.4	346	1		
11	18	9.1	413	1		
12	16	8.9	343	1		
13	16	9.3	453	1		
14	16	8.3	399	1		
15	16	7.2	207	0		
16	16	7.2	467	1		
17	17	7.4	416	1		
18	17	6.6	277	1		
19	16	7.5	489	0		
20	16	9.4	441	1		
21	17	8.8	420	1		
22	18	6.6	347	1		
23	16	7.4	415	0		
24	16	6.5	489	0		
25	16	9.7	375	1		
26	17	9.3	400	1		
27	18	8.8	277	1		
28	17	8.4	335	1		
29	16	10	276	0		
30	16	9.1	304	1		

Channel 5530 80MHz BW, USA Bin 4 Radar Statistical Performance

Trial	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	12	13.3	229	1	90.0%	60.0%
2	13	19.6	397	1		
3	16	13.1	260	1		
4	13	14.1	381	1		
5	13	13.6	255	1		
6	13	16.9	409	1		

7	12	16.3	398	1		
8	16	14.4	478	1		
9	16	18.9	394	1		
10	14	13.7	355	0		
11	13	11.2	252	1		
12	12	19	430	1		
13	16	11.7	476	1		
14	13	15.3	500	1		
15	16	13.2	434	1		
16	15	12.3	226	0		
17	13	18.4	459	1		
18	12	14.7	208	1		
19	15	19.7	448	1		
20	12	12	308	1		
21	13	13.5	321	1		
22	16	11.7	488	1		
23	12	16.8	215	0		
24	14	17.5	442	1		
25	16	13.2	399	1		
26	16	19	488	1		
27	16	12.3	330	1		
28	15	16.5	276	1		
29	14	11.2	306	1		
30	12	14.8	332	1		

In addition an average minimum percentage of successful detection across all four Short pulse radar test waveforms is required and is calculated as follows:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4}$$ = (100.0%+93.3%+73.3%+90.0%)/4 = 89.1% >80%

See the Bin6 Radar Characteristics at the end of this report.

Channel 5530 80MHz BW, USA Bin 5 Radar Statistical Performance

Trial #	Name	1=Detection 0=No Detection	Detection Percentage	Limit
1	USA Bin 5 Radar Test 1	1	93.3%	80.0%
2	USA Bin 5 Radar Test 2	1		
3	USA Bin 5 Radar Test 3	1		
4	USA Bin 5 Radar Test 4	1		
5	USA Bin 5 Radar Test 5	1		
6	USA Bin 5 Radar Test 6	0		
7	USA Bin 5 Radar Test 7	1		
8	USA Bin 5 Radar Test 8	1		
9	USA Bin 5 Radar Test 9	1		
10	USA Bin 5 Radar Test 10	0		
11	USA Bin 5 Radar Test 11	1		
12	USA Bin 5 Radar Test 12	1		
13	USA Bin 5 Radar Test 13	1		
14	USA Bin 5 Radar Test 14	1		
15	USA Bin 5 Radar Test 15	1		
16	USA Bin 5 Radar Test 16	1		
17	USA Bin 5 Radar Test 17	1		
18	USA Bin 5 Radar Test 18	1		
19	USA Bin 5 Radar Test 19	1		
20	USA Bin 5 Radar Test 20	1		
21	USA Bin 5 Radar Test 21	1		
22	USA Bin 5 Radar Test 22	1		
23	USA Bin 5 Radar Test 23	1		
24	USA Bin 5 Radar Test 24	1		
25	USA Bin 5 Radar Test 25	1		
26	USA Bin 5 Radar Test 26	1		
27	USA Bin 5 Radar Test 27	1		
28	USA Bin 5 Radar Test 28	1		
29	USA Bin 5 Radar Test 29	1		
30	USA Bin 5 Radar Test 30	1		

USA Bin 5 Trial #1

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5495.6	9	65	1487		0.102575
2	1	5495.6	9	100			0.98147
3	1	5495.6	9	75			1.458061
4	2	5495.6	9	75	1541		2.611856
5	3	5495.6	9	80	1533	1301	2.699897
6	1	5495.6	9	50			3.950976
7	3	5495.6	9	95	1948	1124	4.23099
8	2	5495.6	9	55	1420		5.004899
9	2	5495.6	9	90	1195		5.387571
10	3	5495.6	9	60	1047	1985	6.491848
11	2	5495.6	9	70	1553		6.863771
12	1	5495.6	9	70			7.791159
13	1	5495.6	9	90			8.41188
14	1	5495.6	9	75			8.960502
15	1	5495.6	9	95			9.843472
16	3	5495.6	9	90	1851	1204	10.083134
17	1	5495.6	9	50			11.086886
18	1	5495.6	9	80			11.520216

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5496.8	12	75			0.263226
2	2	5496.8	12	65	1649		0.775305
3	1	5496.8	12	60			1.297411
4	3	5496.8	12	90	1054	1123	1.955041
5	3	5496.8	12	90	1660	1067	3.000421
6	2	5496.8	12	100	1811		3.174643
7	2	5496.8	12	95	1368		4.2454
8	1	5496.8	12	60			4.700415
9	1	5496.8	12	80			5.188587
10	3	5496.8	12	90	1249	1544	5.833566
11	1	5496.8	12	80			6.492516
12	2	5496.8	12	60	1962		7.179098
13	2	5496.8	12	65	1191		8.081388
14	1	5496.8	12	60			8.489485
15	1	5496.8	12	65			9.13513
16	1	5496.8	12	55			9.538496
17	1	5496.8	12	60			10.467033
18	1	5496.8	12	80			11.154619
19	1	5496.8	12	95			11.554785

USA Bin 5 Trial #3

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5499.6	19	95	1208	1403	0.114283
2	3	5499.6	19	50	1710	1010	1.215737
3	1	5499.6	19	70			1.566768
4	3	5499.6	19	70	1429	1873	2.208085
5	3	5499.6	19	95	1256	1650	2.891056
6	1	5499.6	19	80			3.549793
7	2	5499.6	19	100	1884		4.665148
8	2	5499.6	19	70	1892		4.972647
9	1	5499.6	19	90			6.31673
10	2	5499.6	19	50	1352		6.456721
11	2	5499.6	19	75	1887		7.618324
12	2	5499.6	19	90	1960		7.885768
13	2	5499.6	19	90	1927		8.825966
14	2	5499.6	19	95	1047		9.265596
15	1	5499.6	19	70			10.429452
16	1	5499.6	19	75			10.839259
17	1	5499.6	19	50			11.92303

USA Bin 5 Trial #4

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5498.8	17	65	1539		1.035295
2	2	5498.8	17	70	1713		1.506183
3	3	5498.8	17	55	1313	1056	3.285134
4	1	5498.8	17	50			3.955324
5	1	5498.8	17	50			5.35362
6	2	5498.8	17	80	1686		6.265446
7	1	5498.8	17	55			8.212054
8	1	5498.8	17	100			8.555606
9	1	5498.8	17	75			9.679606
10	2	5498.8	17	75	1028		11.362126

USA Bin 5 Trial #5

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5496.8	12	60	1428		0.23735
2	1	5496.8	12	55			0.747141
3	1	5496.8	12	65			1.35267
4	2	5496.8	12	90	1842		2.088894
5	1	5496.8	12	80			2.471053
6	2	5496.8	12	75	1757		3.297804
7	2	5496.8	12	70	1458		4.113992

8	1	5496.8	12	80			4.468997
9	2	5496.8	12	100	1474		4.837933
10	2	5496.8	12	75	1030		5.707162
11	1	5496.8	12	55			6.333579
12	1	5496.8	12	60			7.081619
13	2	5496.8	12	95	1821		7.764531
14	2	5496.8	12	55	1057		8.01158
15	3	5496.8	12	50	1551	1901	8.561152
16	1	5496.8	12	60			9.15458
17	1	5496.8	12	90			9.84296
18	3	5496.8	12	95	1361	1148	10.307608
19	1	5496.8	12	80			10.844534
20	3	5496.8	12	60	1827	1208	11.563029

USA Bin 5 Trial #6

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5495.2	8	85	1140		0.154351
2	3	5495.2	8	70	1011	1909	1.717702
3	3	5495.2	8	90	1234	1860	3.565738
4	1	5495.2	8	85			5.188035
5	1	5495.2	8	65			6.137444
6	2	5495.2	8	70	1847		7.976766
7	1	5495.2	8	90			9.045462
8	2	5495.2	8	100	1330		10.03556
9	1	5495.2	8	85			11.252161

USA Bin 5 Trial #7

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5498.4	16	100	1125	1310	0.437845
2	3	5498.4	16	70	1337	1826	0.613737
3	3	5498.4	16	80	1419	1927	1.507342
4	3	5498.4	16	90	1975	1981	1.883886
5	2	5498.4	16	85	1114		2.639898
6	3	5498.4	16	100	1971	1210	3.267404
7	2	5498.4	16	100	1277		3.738754
8	1	5498.4	16	50			4.505253
9	1	5498.4	16	75			5.268939
10	1	5498.4	16	50			5.598522
11	2	5498.4	16	80	1479		6.202109
12	3	5498.4	16	65	1102	1474	6.763057
13	3	5498.4	16	60	1128	1291	7.546853
14	2	5498.4	16	50	1122		8.215675
15	2	5498.4	16	65	1310		8.857259
16	1	5498.4	16	65			9.184464

17	3	5498.4	16	50	1914	1011	9.64056
18	1	5498.4	16	95			10.365634
19	1	5498.4	16	85			11.395566
20	3	5498.4	16	65	1366	1409	11.991207

USA Bin 5 Trial #8

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5496.8	12	65	1143		0.73803
2	3	5496.8	12	85	1155	1335	0.985819
3	2	5496.8	12	60	1006		2.095167
4	3	5496.8	12	50	1247	1391	2.828224
5	2	5496.8	12	50	1337		3.964858
6	2	5496.8	12	55	1551		4.771222
7	3	5496.8	12	90	1494	1185	6.183236
8	2	5496.8	12	85	1973		6.898303
9	3	5496.8	12	95	1437	1755	7.487206
10	3	5496.8	12	80	1686	1648	8.398362
11	1	5496.8	12	55			9.550843
12	2	5496.8	12	75	1277		10.341075
13	3	5496.8	12	75	1524	1114	11.972444

USA Bin 5 Trial #9

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5499.6	19	70	1058	1560	0.001742
2	2	5499.6	19	65	1567		1.367634
3	2	5499.6	19	65	1702		3.039681
4	2	5499.6	19	80	1081		3.78342
5	3	5499.6	19	95	1037	1772	5.384409
6	3	5499.6	19	50	1078	1038	6.626604
7	2	5499.6	19	95	1032		7.348779
8	1	5499.6	19	60			9.169914
9	2	5499.6	19	95	1415		10.774296
10	1	5499.6	19	95			11.289988

USA Bin 5 Trial #10

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5494.4	6	80	1436		0.453343
2	2	5494.4	6	65	1047		1.121211
3	3	5494.4	6	85	1606	1017	1.528561
4	1	5494.4	6	65			2.446203
5	1	5494.4	6	50			3.155841
6	3	5494.4	6	85	1521	1501	4.09323
7	3	5494.4	6	100	1672	1514	4.763748

8	2	5494.4	6	100	1894		5.353216
9	3	5494.4	6	90	1531	1205	6.688439
10	3	5494.4	6	70	1698	1862	7.388075
11	2	5494.4	6	70	1210		7.754638
12	1	5494.4	6	50			8.533281
13	3	5494.4	6	50	1146	1096	9.732995
14	3	5494.4	6	80	1411	1760	10.428575
15	1	5494.4	6	90			11.214115
16	3	5494.4	6	90	1087	1677	11.369992

USA Bin 5 Trial #11

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5530	18	85	1805		0.302249
2	3	5530	18	50	1272	1106	0.885645
3	1	5530	18	70			1.783962
4	1	5530	18	100			2.90909
5	1	5530	18	70			3.693697
6	2	5530	18	95	1635		3.885141
7	2	5530	18	90	1038		5.072852
8	3	5530	18	85	1294	1969	5.324664
9	2	5530	18	100	1348		6.395209
10	1	5530	18	55			6.761581
11	2	5530	18	85	1745		7.92377
12	3	5530	18	90	1340	1839	8.278048
13	1	5530	18	55			9.739764
14	2	5530	18	80	1081		9.865851
15	1	5530	18	70			10.580776
16	3	5530	18	100	1025	1784	11.862399

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5530	13	50	1211		0.632949
2	2	5530	13	95	1377		1.382264
3	1	5530	13	60			3.12288
4	2	5530	13	75	1054		4.719612
5	1	5530	13	65			4.810652
6	3	5530	13	65	1217	1517	6.192103
7	3	5530	13	85	1806	1883	7.820069
8	2	5530	13	95	1376		8.861056
9	2	5530	13	75	1624		10.15252
10	3	5530	13	70	1917	1032	11.514478

USA Bin 5 Trial #13

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5530	6	95			0.095944
2	3	5530	6	75	1795	1015	1.233568
3	1	5530	6	50			1.717461
4	3	5530	6	50	1570	1188	2.351728
5	2	5530	6	65	1745		3.444571
6	2	5530	6	50	1233		4.358338
7	3	5530	6	55	1026	1497	4.784424
8	1	5530	6	60			5.623631
9	3	5530	6	80	1772	1552	6.68656
10	1	5530	6	70			6.934033
11	1	5530	6	80			7.829812
12	2	5530	6	80	1533		8.584776
13	3	5530	6	100	1432	1250	9.005515
14	1	5530	6	80			9.958032
15	1	5530	6	95			10.926476
16	2	5530	6	90	1053		11.504675

USA Bin 5 Trial #14

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5530	20	50			0.383502
2	2	5530	20	50	1348		0.679979
3	2	5530	20	80	1448		1.503312
4	1	5530	20	80			2.380475
5	3	5530	20	60	1336	1657	2.75111
6	3	5530	20	100	1823	1917	3.564706
7	1	5530	20	80			4.132193
8	1	5530	20	50			4.282511
9	1	5530	20	90			5.242816
10	1	5530	20	95			5.466901
11	2	5530	20	65	1096		6.574938
12	2	5530	20	60	1782		6.760857
13	3	5530	20	65	1128	1721	7.29575
14	3	5530	20	95	1962	1522	7.827316
15	3	5530	20	50	1199	1337	8.64383
16	3	5530	20	50	1377	1296	9.490159
17	1	5530	20	65			9.933993
18	2	5530	20	95	1311		10.759059
19	1	5530	20	85			11.396693
20	3	5530	20	55	1034	1100	11.512543

USA Bin 5 Trial #15

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5530	16	65	1924		0.096767
2	3	5530	16	90	1517	1244	2.243841
3	3	5530	16	95	1749	1482	3.539959
4	2	5530	16	50	1447		4.334472
5	2	5530	16	65	1415		5.89941
6	3	5530	16	75	1203	1673	6.589613
7	1	5530	16	75			8.289301
8	1	5530	16	90			8.619435
9	1	5530	16	90			10.110157
10	1	5530	16	60			11.912436

USA Bin 5 Trial #16

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5530	13	65	1748	1828	0.4519
2	1	5530	13	80			1.048073
3	1	5530	13	60			1.810155
4	1	5530	13	85			2.497555
5	3	5530	13	95	1720	1157	2.62875
6	3	5530	13	65	1258	1547	3.444708
7	1	5530	13	85			4.02416
8	3	5530	13	55	1913	1683	4.48447
9	1	5530	13	55			5.061684
10	2	5530	13	100	1674		6.175278
11	1	5530	13	100			6.705777
12	3	5530	13	80	1840	1959	7.188363
13	3	5530	13	50	1900	1296	7.612998
14	1	5530	13	85			8.710246
15	1	5530	13	85			9.163207
16	2	5530	13	55	1122		9.87672
17	2	5530	13	75	1339		10.268543
18	2	5530	13	55	1445		10.809934
19	3	5530	13	80	1213	1732	11.499388

USA Bin 5 Trial #17

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5530	20	65			0.257819
2	2	5530	20	55	1695		1.210803
3	1	5530	20	95			1.590831
4	3	5530	20	85	1942	1836	2.025025
5	1	5530	20	70			2.874327
6	3	5530	20	55	1352	1100	3.668262

7	2	5530	20	85	1851		4.381794
8	2	5530	20	70	1718		4.780546
9	2	5530	20	65	1337		5.369053
10	2	5530	20	70	1643		6.432745
11	3	5530	20	90	1431	1382	6.777697
12	3	5530	20	80	1849	1427	7.535195
13	1	5530	20	80			8.592504
14	1	5530	20	70			9.130751
15	3	5530	20	50	1818	1758	9.404837
16	1	5530	20	85			10.369092
17	3	5530	20	100	1925	1163	10.891897
18	3	5530	20	70	1089	1942	11.423485

USA Bin 5 Trial #18

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5530	6	70			0.263119
2	1	5530	6	65			1.232984
3	1	5530	6	65			2.276231
4	3	5530	6	90	1164	1509	2.919885
5	1	5530	6	70			3.542671
6	1	5530	6	70			4.331698
7	2	5530	6	55	1300		5.040958
8	3	5530	6	100	1865	1045	5.873292
9	1	5530	6	50			7.006324
10	3	5530	6	95	1675	1783	7.27854
11	3	5530	6	60	1267	1449	8.004089
12	2	5530	6	95	1967		9.377258
13	1	5530	6	80			9.622475
14	2	5530	6	65	1433		10.7399
15	1	5530	6	95			11.83913

USA Bin 5 Trial #19

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5530	13	90	1285		0.429082
2	2	5530	13	100	1293		0.887747
3	3	5530	13	95	1787	1608	1.937096
4	2	5530	13	90	1422		2.616321
5	2	5530	13	70	1631		2.904357
6	2	5530	13	70	1160		4.036984
7	2	5530	13	50	1463		4.542328
8	1	5530	13	95			5.628074
9	2	5530	13	50	1350		5.774591
10	2	5530	13	50	1832		6.754067
11	1	5530	13	80			7.261271

12	1	5530	13	60			8.181578
13	3	5530	13	75	1014	1091	9.020115
14	1	5530	13	50			9.751453
15	1	5530	13	55			10.031966
16	3	5530	13	100	1977	1681	10.701105
17	3	5530	13	80	1002	1684	11.472109

USA Bin 5 Trial #20

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5530	16	95	1750		0.827434
2	2	5530	16	50	1523		1.681919
3	3	5530	16	100	1804	1324	2.61593
4	3	5530	16	60	1104	1784	4.377355
5	1	5530	16	55			5.930477
6	1	5530	16	55			6.862212
7	1	5530	16	55			7.22666
8	2	5530	16	75	1446		9.475489
9	3	5530	16	50	1296	1319	10.420213
10	2	5530	16	85	1999		11.470251

USA Bin 5 Trial #21

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5561.2	17	85	1793		0.418679
2	2	5561.2	17	85	1789		2.429016
3	1	5561.2	17	55			3.23225
4	3	5561.2	17	55	1689	1490	5.694502
5	2	5561.2	17	90	1813		7.190561
6	1	5561.2	17	50			7.944843
7	1	5561.2	17	90			9.947422
8	2	5561.2	17	65	1616		11.037271

USA Bin 5 Trial #22

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5560	20	65	1476		1.133417
2	3	5560	20	75	1638	1503	2.233796
3	2	5560	20	85	1545		2.923359
4	1	5560	20	95			4.00697
5	2	5560	20	70	1121		6.435932
6	3	5560	20	50	1138	1062	7.149918
7	2	5560	20	100	1090		9.011509
8	1	5560	20	90			9.334201
9	1	5560	20	50			10.727858

USA Bin 5 Trial #23

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	3	5564	10	60	1598	1239	0.028232
2	3	5564	10	85	1607	1677	0.930678
3	3	5564	10	75	1704	1685	1.60132
4	2	5564	10	95	1716		1.929949
5	3	5564	10	55	1408	1688	2.454438
6	3	5564	10	90	1264	1412	3.452968
7	1	5564	10	90			3.647613
8	1	5564	10	55			4.549869
9	1	5564	10	95			4.890756
10	2	5564	10	100	1004		5.951245
11	3	5564	10	90	1225	1003	6.552639
12	2	5564	10	95	1819		7.138882
13	2	5564	10	70	1822		7.271562
14	2	5564	10	60	1512		8.153112
15	2	5564	10	80	1859		8.439066
16	1	5564	10	70			9.055968
17	3	5564	10	80	1185	1569	9.967311
18	3	5564	10	70	1566	1830	10.749648
19	2	5564	10	80	1598		11.135948
20	3	5564	10	90	1097	1758	11.982138

USA Bin 5 Trial #24

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5564.8	8	75	1103		0.53276
2	3	5564.8	8	70	1232	1475	1.865027
3	3	5564.8	8	100	1193	1662	2.180163
4	3	5564.8	8	80	1145	1565	3.503976
5	3	5564.8	8	70	1023	1829	4.194211
6	2	5564.8	8	95	1274		5.088824
7	2	5564.8	8	75	1574		6.215777
8	2	5564.8	8	80	1838		7.654211
9	3	5564.8	8	65	1317	1480	8.463615
10	3	5564.8	8	65	1530	1406	9.809316
11	3	5564.8	8	95	1210	1729	10.014402
12	2	5564.8	8	100	1213		11.795268

USA Bin 5 Trial #25

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5564.8	8	85	1381		0.839945
2	3	5564.8	8	75	1611	1199	1.264476
3	3	5564.8	8	85	1288	1138	2.450914

4	3	5564.8	8	65	1046	1762	3.620726
5	3	5564.8	8	90	1266	1453	3.882596
6	2	5564.8	8	100	1356		4.819829
7	2	5564.8	8	70	1704		6.000441
8	2	5564.8	8	95	1779		6.938122
9	1	5564.8	8	100			7.66126
10	1	5564.8	8	60			8.629508
11	1	5564.8	8	65			10.02383
12	2	5564.8	8	85	1932		10.33977
13	3	5564.8	8	50	1972	1973	11.716844

USA Bin 5 Trial #26

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5561.2	17	100	1724		0.436985
2	2	5561.2	17	100	1464		1.825715
3	3	5561.2	17	100	1873	1626	2.500426
4	2	5561.2	17	60	1310		3.374922
5	1	5561.2	17	95			4.554575
6	3	5561.2	17	85	1650	1477	5.330856
7	1	5561.2	17	55			6.962393
8	2	5561.2	17	100	1222		7.663396
9	2	5561.2	17	65	1902		8.671234
10	2	5561.2	17	50	1368		9.71232
11	1	5561.2	17	70			10.953135
12	2	5561.2	17	75	1310		11.534116

USA Bin 5 Trial #27

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5563.2	12	75			0.579348
2	1	5563.2	12	95			1.272257
3	2	5563.2	12	100	1690		1.690735
4	1	5563.2	12	100			2.991437
5	2	5563.2	12	70	1061		3.211658
6	3	5563.2	12	75	1401	1707	4.424069
7	3	5563.2	12	60	1224	1470	5.256053
8	3	5563.2	12	70	1094	1913	5.78668
9	3	5563.2	12	85	1673	1132	6.538399
10	3	5563.2	12	80	1504	1496	7.988556
11	3	5563.2	12	70	1008	1217	8.368201
12	2	5563.2	12	80	1766		9.516199
13	1	5563.2	12	80			9.852303
14	2	5563.2	12	90	1491		11.152507
15	1	5563.2	12	60			11.244602

USA Bin 5 Trial #28

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5561.6	16	50			0.231707
2	2	5561.6	16	100	1096		1.629937
3	3	5561.6	16	90	1715	1213	2.170247
4	2	5561.6	16	55	1279		2.71126
5	2	5561.6	16	100	1601		3.564897
6	1	5561.6	16	85			4.457123
7	3	5561.6	16	80	1635	1848	5.783781
8	1	5561.6	16	60			6.261929
9	2	5561.6	16	95	1632		7.526842
10	1	5561.6	16	70			8.010073
11	1	5561.6	16	50			9.231082
12	3	5561.6	16	75	1306	1557	10.281817
13	1	5561.6	16	85			10.875452
14	2	5561.6	16	90	1559		11.438001

USA Bin 5 Trial #29

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	2	5564.4	9	55	1448		0.15103
2	2	5564.4	9	50	1353		1.058378
3	1	5564.4	9	50			2.138853
4	1	5564.4	9	90			3.233519
5	3	5564.4	9	95	1738	1933	3.651878
6	3	5564.4	9	95	1618	1288	4.865185
7	2	5564.4	9	60	1742		5.645617
8	2	5564.4	9	90	1262		6.076325
9	2	5564.4	9	55	1646		7.184066
10	1	5564.4	9	85			7.735533
11	2	5564.4	9	95	1004		9.32328
12	2	5564.4	9	100	1584		9.714403
13	1	5564.4	9	90			11.125647
14	1	5564.4	9	100			11.798132

USA Bin 5 Trial #30

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	Pulse Start (S)
1	1	5564	10	55			0.554921
2	2	5564	10	95	1441		1.468365
3	2	5564	10	55	1407		2.879252
4	2	5564	10	75	1158		3.427299
5	1	5564	10	100			5.272006
6	2	5564	10	90	1168		6.331768
7	1	5564	10	60			7.583273

8	1	5564	10	100			8.504419
9	2	5564	10	80	1856		8.987199
10	3	5564	10	60	1535	1797	10.049235
11	3	5564	10	100	1262	1016	11.990869

*See the Bin6 Radar Characteristics at the end of this report.

Channel 5530 80MHz BW, USA Frequency Hopping Radar Statistical Performance

Trial #	Name	1=Detection 0=No Detection	Detection Percentage	Limit
1	USA Bin 6 Radar Test 1	1	100.0%	70.0%
2	USA Bin 6 Radar Test 2	1		
3	USA Bin 6 Radar Test 3	1		
4	USA Bin 6 Radar Test 4	1		
5	USA Bin 6 Radar Test 5	1		
6	USA Bin 6 Radar Test 6	1		
7	USA Bin 6 Radar Test 7	1		
8	USA Bin 6 Radar Test 8	1		
9	USA Bin 6 Radar Test 9	1		
10	USA Bin 6 Radar Test 10	1		
11	USA Bin 6 Radar Test 11	1		
12	USA Bin 6 Radar Test 12	1		
13	USA Bin 6 Radar Test 13	1		
14	USA Bin 6 Radar Test 14	1		
15	USA Bin 6 Radar Test 15	1		
16	USA Bin 6 Radar Test 16	1		
17	USA Bin 6 Radar Test 17	1		
18	USA Bin 6 Radar Test 18	1		
19	USA Bin 6 Radar Test 19	1		
20	USA Bin 6 Radar Test 20	1		
21	USA Bin 6 Radar Test 21	1		
22	USA Bin 6 Radar Test 22	1		
23	USA Bin 6 Radar Test 23	1		
24	USA Bin 6 Radar Test 24	1		
25	USA Bin 6 Radar Test 25	1		
26	USA Bin 6 Radar Test 26	1		
27	USA Bin 6 Radar Test 27	1		
28	USA Bin 6 Radar Test 28	1		
29	USA Bin 6 Radar Test 29	1		
30	USA Bin 6 Radar Test 30	1		

USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
3	5547	9
5	5560	15
7	5561	21
10	5568	30
20	5558	60
28	5513	84
36	5546	108
37	5545	111
38	5495	114
56	5524	168
63	5505	189
74	5511	222
75	5533	225
78	5539	234
83	5499	249
89	5500	267
90	5498	270

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
4	5523	12
21	5541	63
22	5563	66
23	5544	69
25	5517	75
37	5497	111
41	5531	123
42	5501	126
46	5503	138
51	5494	153
52	5550	156
53	5520	159
55	5539	165
56	5555	168
58	5509	174
63	5564	189
91	5547	273

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
1	5556	3
24	5535	72

26	5499	78
37	5522	111
43	5493	129
51	5523	153
52	5526	156
54	5492	162
57	5528	171
67	5495	201
74	5497	222
76	5496	228
81	5506	243
89	5568	267
92	5545	276
93	5541	279
96	5530	288
98	5531	294

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
7	5545	21
13	5516	39
16	5546	48
18	5510	54
21	5508	63
24	5519	72
27	5515	81
28	5496	84
29	5532	87
32	5557	96
33	5563	99
44	5501	132
46	5524	138
47	5527	141
57	5498	171
58	5567	174
59	5551	177
60	5556	180
77	5535	231
78	5502	234
79	5561	237
87	5520	261
88	5547	264
96	5522	288

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
2	5519	6
4	5563	12
17	5554	51
18	5549	54
19	5503	57
20	5546	60
26	5529	78
29	5535	87
35	5526	105
48	5550	144
65	5530	195
67	5533	201
74	5537	222
75	5504	225
78	5510	234
87	5498	261
93	5522	279
99	5528	297

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
1	5506	3
6	5542	18
8	5566	24
10	5558	30
13	5517	39
15	5499	45
16	5554	48
20	5503	60
25	5562	75
39	5564	117
47	5511	141
61	5541	183
63	5567	189
69	5533	207
93	5537	279
99	5551	297

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
2	5546	6
5	5556	15
7	5541	21

9	5500	27
12	5540	36
13	5544	39
15	5561	45
29	5514	87
37	5555	111
43	5497	129
57	5504	171
65	5545	195
83	5509	249
99	5525	297

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
0	5533	0
4	5538	12
6	5507	18
7	5512	21
9	5564	27
24	5521	72
33	5542	99
36	5568	108
44	5519	132
45	5515	135
47	5545	141
65	5541	195
67	5561	201
72	5518	216
75	5529	225
77	5511	231
79	5543	237
84	5527	252
85	5516	255
86	5562	258
99	5492	297

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
11	5543	33
16	5536	48
23	5540	69
25	5495	75
26	5567	78
28	5566	84
36	5503	108

39	5506	117
44	5523	132
47	5507	141
48	5541	144
59	5547	177
60	5497	180
63	5532	189
65	5556	195
72	5508	216
73	5510	219
81	5531	243
84	5535	252
85	5527	255
91	5496	273
96	5546	288

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
8	5497	24
12	5531	36
35	5511	105
41	5499	123
45	5498	135
74	5543	222
85	5493	255
96	5547	288

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
2	5549	6
9	5518	27
12	5508	36
23	5520	69
28	5566	84
32	5495	96
34	5556	102
46	5540	138
50	5535	150
57	5509	171
60	5523	180
81	5543	243
83	5496	249
84	5505	252
98	5544	294

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
12	5533	36
21	5556	63
23	5530	69
28	5550	84
31	5553	93
36	5504	108
37	5515	111
41	5492	123
42	5501	126
47	5561	141
69	5538	207
73	5528	219
77	5532	231
87	5555	261
88	5535	264
93	5557	279

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
4	5557	12
28	5558	84
29	5542	87
36	5544	108
40	5496	120
56	5556	168
65	5520	195
67	5551	201
69	5525	207
73	5553	219
74	5517	222
83	5530	249
89	5563	267
91	5515	273
93	5561	279

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
8	5550	24
9	5526	27
22	5546	66
31	5529	93
33	5557	99
49	5516	147

57	5559	171
58	5492	174
81	5510	243
86	5542	258
89	5518	267
94	5527	282
96	5541	288

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
7	5541	21
11	5546	33
17	5556	51
24	5492	72
26	5554	78
42	5503	126
45	5509	135
46	5566	138
50	5564	150
52	5562	156
54	5559	162
58	5518	174
66	5507	198
68	5508	204
74	5536	222
75	5520	225
80	5522	240
82	5502	246
85	5494	255
88	5519	264
94	5505	282
96	5533	288
97	5493	291
98	5529	294

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
2	5536	6
13	5493	39
17	5513	51
21	5534	63
25	5521	75
31	5497	93
33	5553	99
35	5525	105

36	5530	108
41	5555	123
43	5565	129
45	5544	135
57	5556	171
60	5510	180
67	5519	201
69	5568	207
70	5563	210
71	5524	213
78	5502	234
83	5500	249
91	5499	273
98	5496	294

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
0	5500	0
22	5521	66
26	5542	78
34	5565	102
39	5545	117
41	5494	123
45	5549	135
55	5525	165
57	5495	171
61	5509	183
64	5537	192
75	5517	225
79	5532	237
80	5523	240
98	5530	294

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
0	5501	0
3	5555	9
4	5535	12
5	5515	15
22	5518	66
28	5530	84
31	5524	93
39	5541	117
43	5532	129
45	5522	135

54	5546	162
58	5566	174
62	5552	186
67	5554	201
79	5507	237
81	5539	243
82	5562	246
89	5551	267
90	5531	270
93	5542	279
99	5547	297

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
15	5514	45
20	5494	60
30	5567	90
38	5492	114
42	5564	126
53	5520	159
54	5510	162
56	5513	168
62	5538	186
68	5496	204
70	5540	210
74	5546	222
82	5512	246
84	5526	252
87	5530	261
96	5507	288

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
0	5547	0
2	5505	6
5	5503	15
7	5556	21
14	5546	42
27	5506	81
36	5568	108
47	5494	141
52	5508	156
54	5539	162
68	5542	204
72	5541	216

80	5553	240

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
4	5564	12
6	5523	18
9	5493	27
13	5513	39
15	5531	45
20	5545	60
29	5506	87
37	5547	111
38	5522	114
40	5498	120
41	5567	123
48	5556	144
54	5519	162
55	5560	165
57	5497	171
59	5500	177
73	5529	219
82	5515	246

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
5	5547	15
12	5517	36
15	5520	45
18	5514	54
20	5495	60
26	5554	78
47	5501	141
54	5540	162
62	5510	186
63	5529	189
65	5506	195
79	5557	237
86	5492	258

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
3	5521	9
5	5541	15
9	5516	27
13	5536	39

25	5525	75
28	5524	84
31	5560	93
45	5513	135
51	5532	153
53	5542	159
69	5528	207
76	5523	228
78	5527	234
94	5564	282

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
0	5523	0
1	5512	3
15	5542	45
16	5530	48
33	5555	99
36	5499	108
40	5564	120
44	5553	132
50	5558	150
56	5519	168
66	5559	198
68	5532	204
69	5516	207
70	5522	210
76	5541	228
80	5506	240
82	5527	246
83	5535	249
89	5547	267
94	5567	282
95	5508	285

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
1	5527	3
6	5529	18
14	5565	42
21	5532	63
24	5561	72
37	5494	111
44	5545	132
47	5522	141

49	5514	147
67	5538	201
75	5519	225
83	5505	249
85	5533	255
94	5509	282

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
5	5498	15
22	5566	66
24	5527	72
25	5507	75
32	5504	96
38	5568	114
64	5503	192
68	5535	204
71	5561	213
72	5534	216
82	5511	246
93	5497	279
95	5550	285
96	5564	288

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
0	5567	0
11	5531	33
14	5498	42
17	5564	51
18	5547	54
19	5521	57
26	5520	78
28	5566	84
34	5516	102
35	5506	105
38	5526	114
51	5565	153
65	5509	195
69	5529	207
70	5519	210
77	5537	231
84	5557	252
85	5532	255
92	5507	276

94	5525	282

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
2	5529	6
5	5517	15
9	5562	27
10	5564	30
18	5563	54
23	5551	69
32	5504	96
33	5536	99
42	5507	126
45	5492	135
49	5508	147
58	5539	174
64	5494	192
65	5566	195
67	5541	201
70	5557	210
79	5511	237
81	5544	243
82	5499	246
90	5522	270
98	5503	294

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
6	5513	18
14	5536	42
20	5510	60
29	5546	87
33	5540	99
36	5517	108
37	5501	111
38	5539	114
41	5519	123
43	5516	129
48	5497	144
51	5563	153
59	5523	177
66	5554	198
85	5530	255
92	5527	276

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
1	5541	3
4	5563	12
9	5552	27
18	5565	54
32	5532	96
51	5556	153
59	5502	177
66	5564	198
79	5516	237
83	5512	249
84	5503	252
88	5508	264
91	5529	273
96	5534	288

Appendix C: List of Test Equipment Used to perform the test

Equip#	Manufacturer/ Model	Description	Last Cal	Next Due
CIS-49514	National Instruments /PXI-1042	DFS Automation System	Cal before Use	Cal before Use
	National Instruments /PXI-5422	16-Bit 200MS/s AWG	Cal before Use	Cal before Use
	National Instruments /PXI-5422	16-Bit 200MS/s AWG	Cal before Use	Cal before Use
	National Instruments /PXI-2796	40GHz Dual 6x1 Multiplex	Cal before Use	Cal before Use
CIS055579	BWS20-W2 Aeroflex	SMA 20dB Attenuator	21-Jul-16	21-Jul-17
CIS055577	BWS20-W2 Aeroflex	SMA 20dB Attenuator	21-Jul-16	21-Jul-17
CIS054696	D3C2060 Ditom	Circulator	14-Nov-16	14-Nov-17
CIS054657	ZFSC-2-10G Mini-Circuits	Splitter	19-Sep-16	19-Sep-17
CIS055561	F120-S1S1-48 MegaPhase	SMA Cable 48"	15-Jul-16	15-Jul-17
CIS054635	F120-S1S1-48 Megaphase	SMA cable 48"	15-Jul-16	15-Jul-17
CIS055843	SMSM-A2PH-012 Dynawave	12" SMA Cable	29-Sep-16	29-Sep-17
CIS055842	SMSM-A2PH-012 Dynawave	12" SMA cable	29-Sep-16	29-Sep-17
CIS055874	SMSM-A2PH-024 Dynawave	24" SMA Cable	7-Oct-16	7-Oct-17
CIS055872	SMSM-A2PH-024 Dynawave	24" SMA Cable	7-Oct-16	7-Oct-17
CIS055868	SMSM-A2PH-024 Dynawave	24" SMA Cable	7-Oct-16	7-Oct-17
CIS055867	SMSM-A2PH-024 Dynawave	24" SMA Cable	7-Oct-16	7-Oct-17
CIS055170	RFLT4WDC40GK RF Lambda	4 Way Power Divider 40GHz	29-Nov-16	29-Nov-17
CIS050721	N9030A Keysight	PXA Signal Analyzer	30-Mar-16	30-Mar-17
CIS054303	N5182B Keysight	MXG X-Series RF Vector Signal Generator	6-Apr-16	6-Apr-17

End