Dynamic Frequency Selection (DFS) Test Report

ISR-AP1100AC-B

FCC ID: LDKC11111696
IC: 2461L-C11111696

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, Johanna Knudsen	**Approved By:** Gerard Thorpe **Title:** Manager, Engineering - EMC & Standards Operations **Revision:** See EDCS

This report replaces any previously entered test report under EDCS – 11800249.This test report has been electronically authorized and archived using the CISCO Engineering Document Control system.

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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

10-Oct-17 - 27-APR-18

2.3 Report Issue Date

27-APR-18

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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, Johanna Knudsen

2.5 Equipment Assessed (EUT)

ISR-AP1100AC-B

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	ISR-AP1100AC-B	Cisco Systems	P2	8.4.100.0	(ap1g5)	FOC2110397E
S02	AC/DC Adapter ADP-66CR B 341-100346-01 A0	Delta Electronics	01	N/A	N/A	DAB2110G3CH
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	ISR-AP1100AC-B	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 ISR-AP1100AC-B radio 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. 3dBi gain was used to set the -60 dBm threshold level (-61dBm +1 dB) during calibration of the test setup.

Frequency	Part Number	Antenna Type	Antenna Gain (dBi)
5GHz	Internal	omnidirectional	4

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 (142) 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.

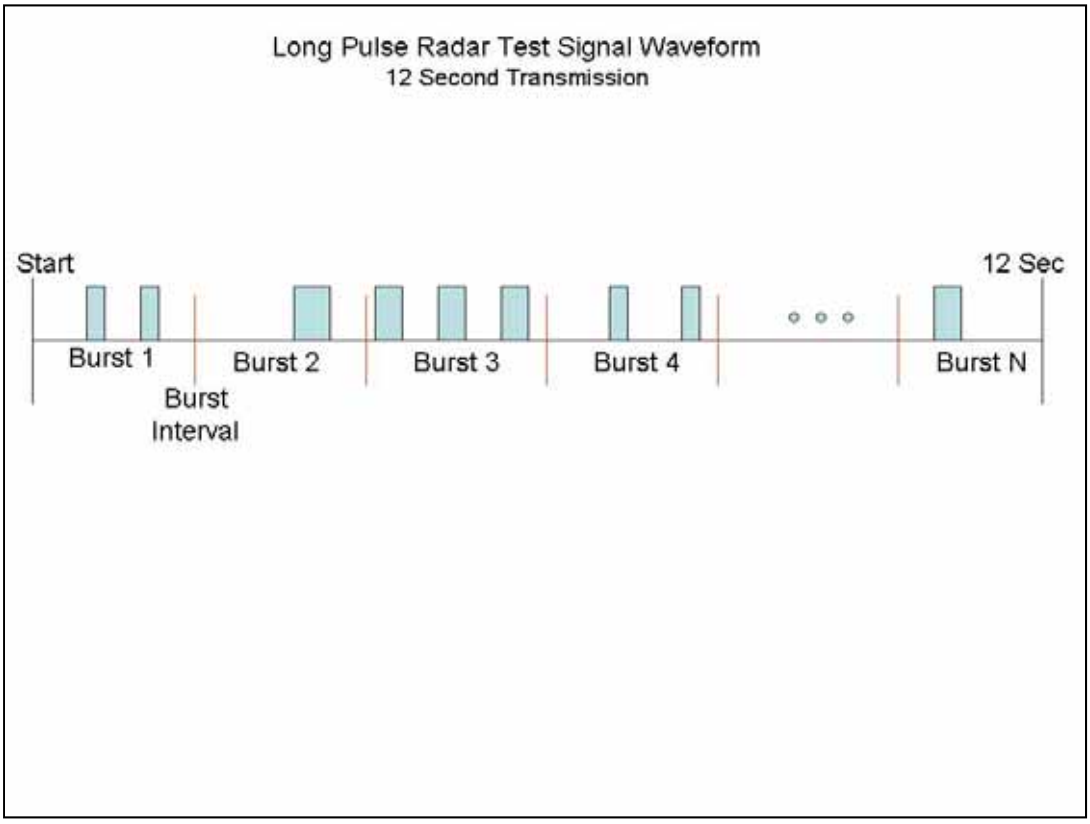
Each waveform is defined as follows:

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	ISR-AP1100AC-B	S01	☑	☐
	Support Power Supply	S02	☐	☑
	Support Client Equipment	S03	☐	☑

Tested By :
Jose Aguirre

Date of testing:
10-Oct-17 - 20-Oct-17

For Type 5 Statistical Tests the following applies:

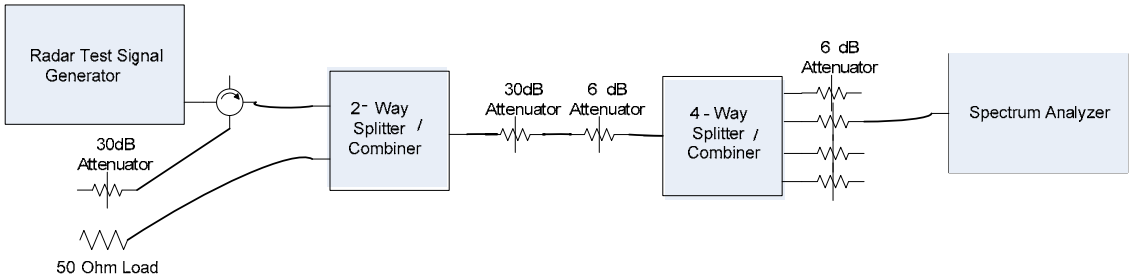
Tested By :
Johanna Knudsen

Date of testing:
26-APR-17 - 27-APR-18

See Appendix C for list of test equipment

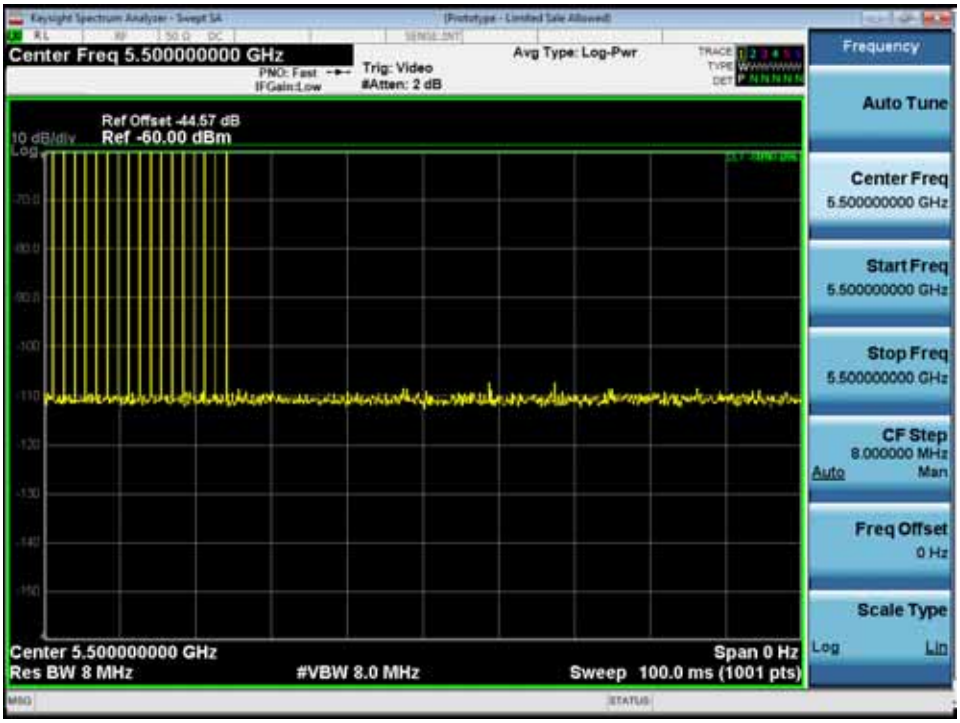
The following equipment setup was used to calibrate the conducted Radar Waveform. A spectrum analyzer was used to establish the test signal level for each radar type. During this process there were no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero 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 -60dBm.

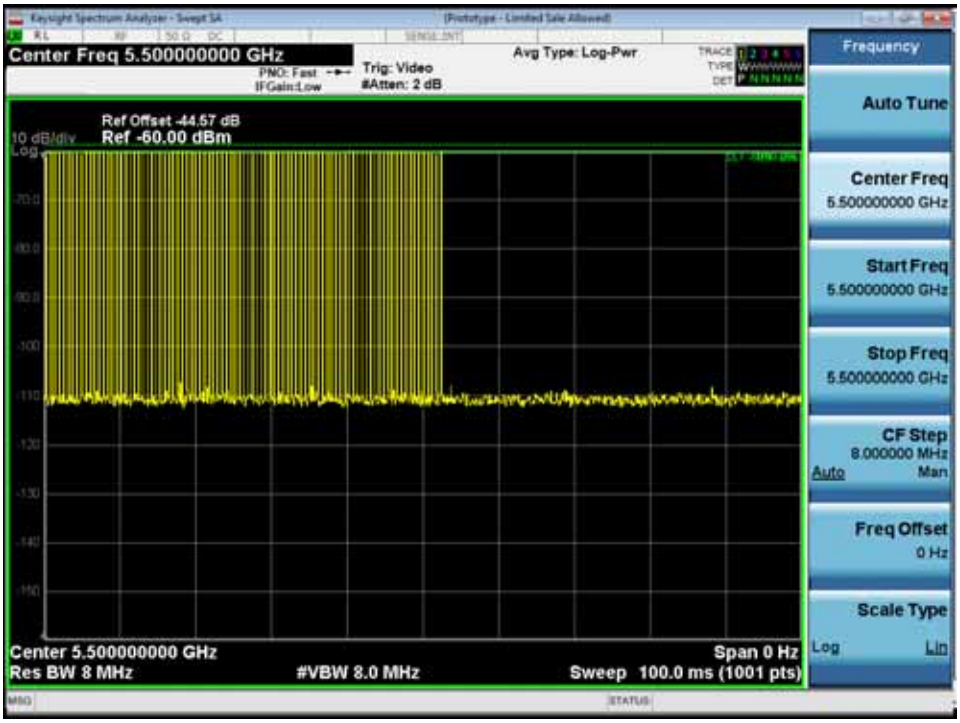


Conducted Calibration Setup

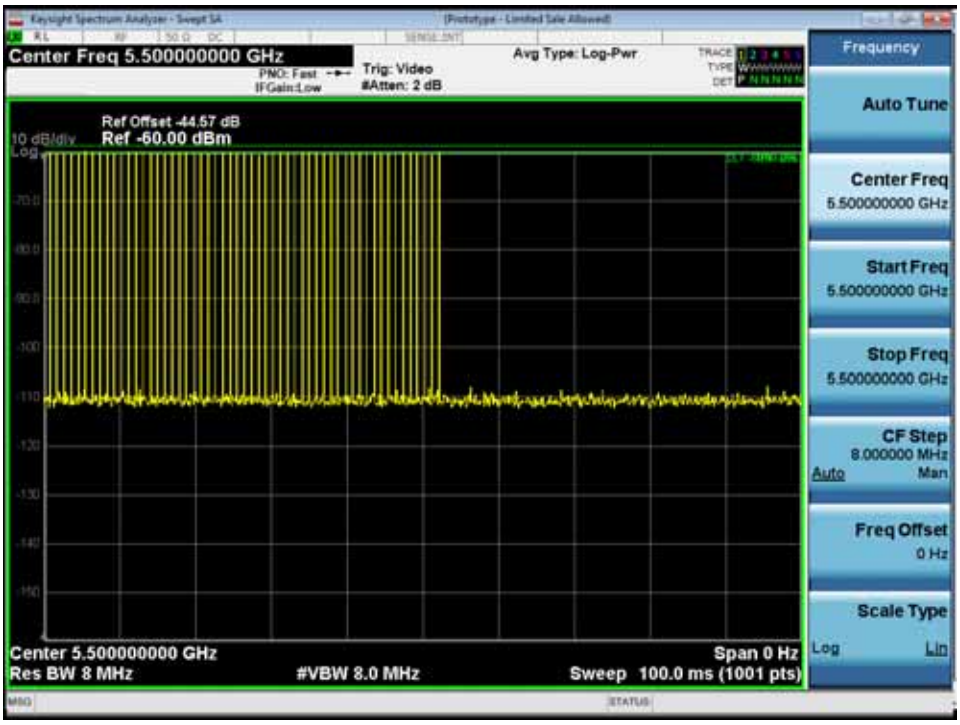
Following are the calibration plots for each of the required radar waveforms.



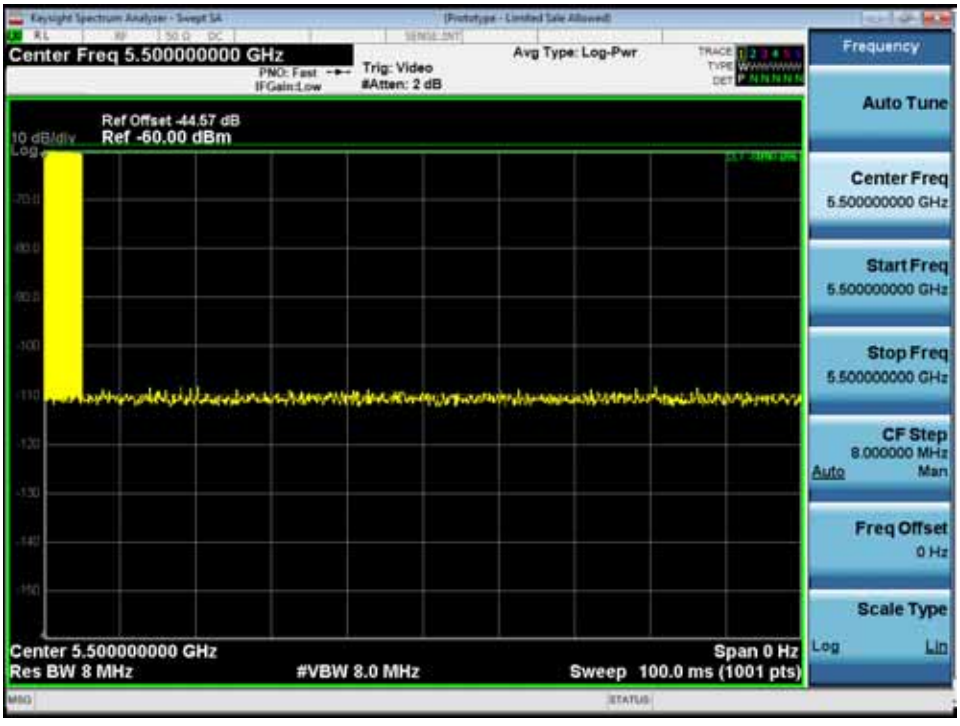
USA Bin 0 Radar Calibration



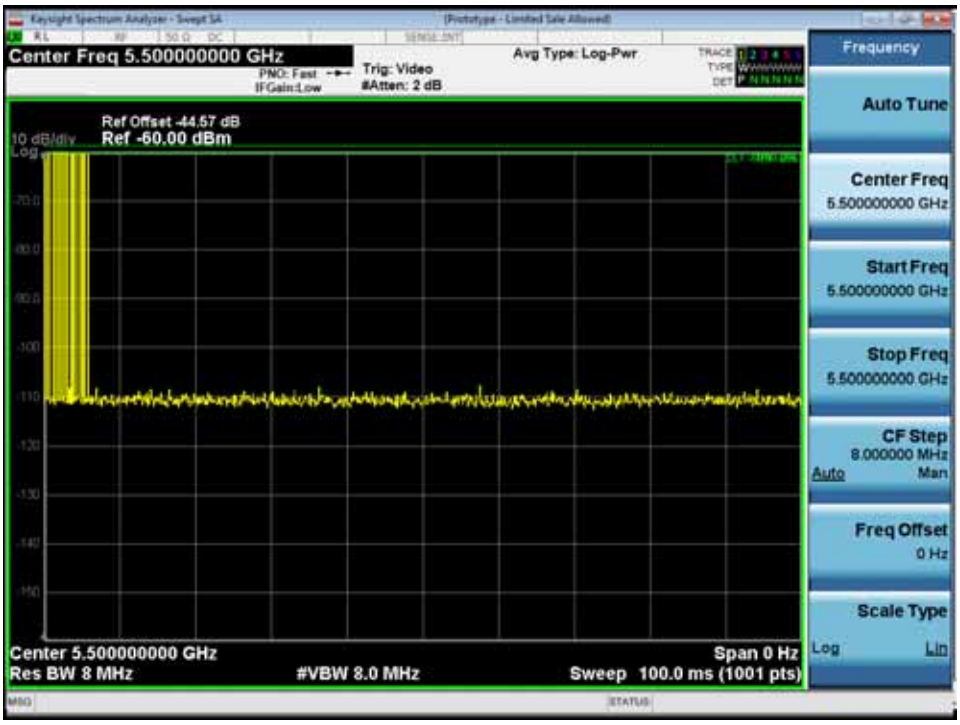
USA Bin 1A Radar Calibration



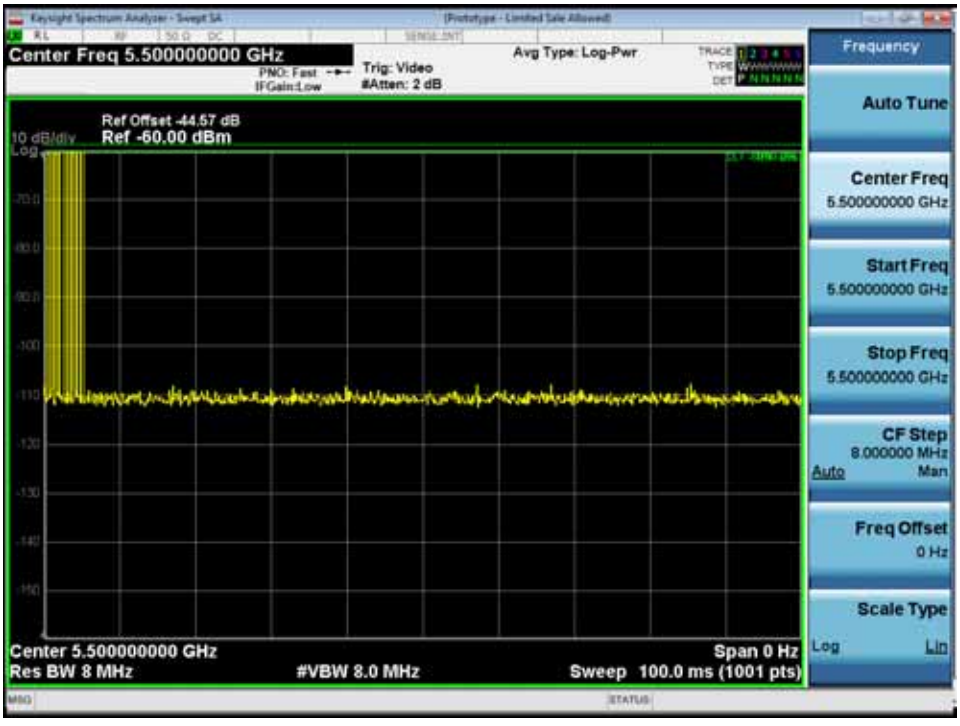
USA Bin 1B Radar Calibration



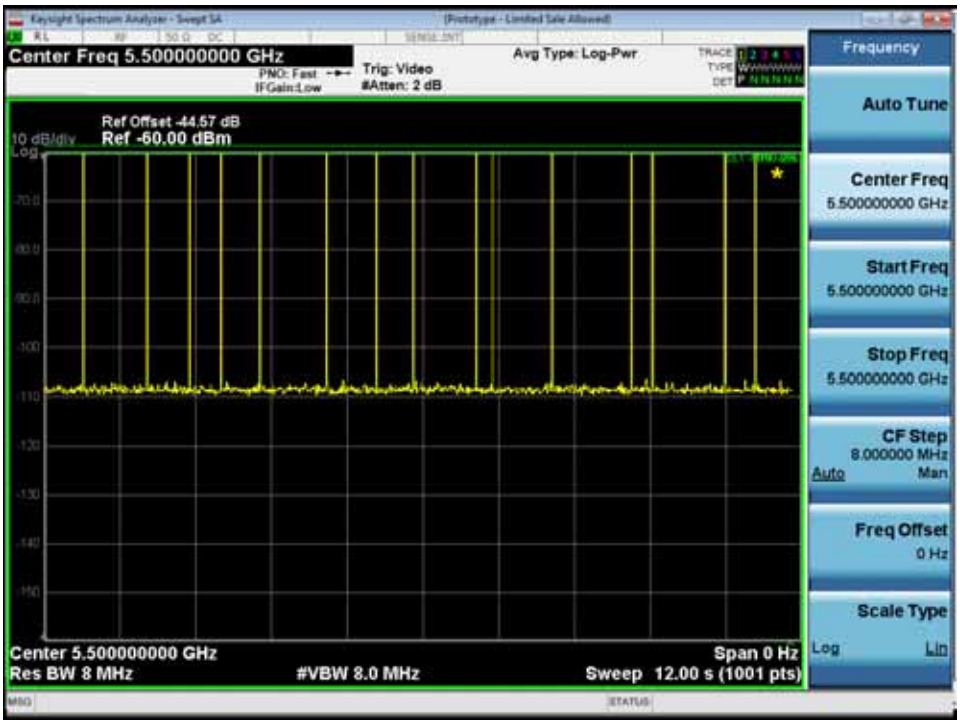
USA Bin 2 Radar Calibration



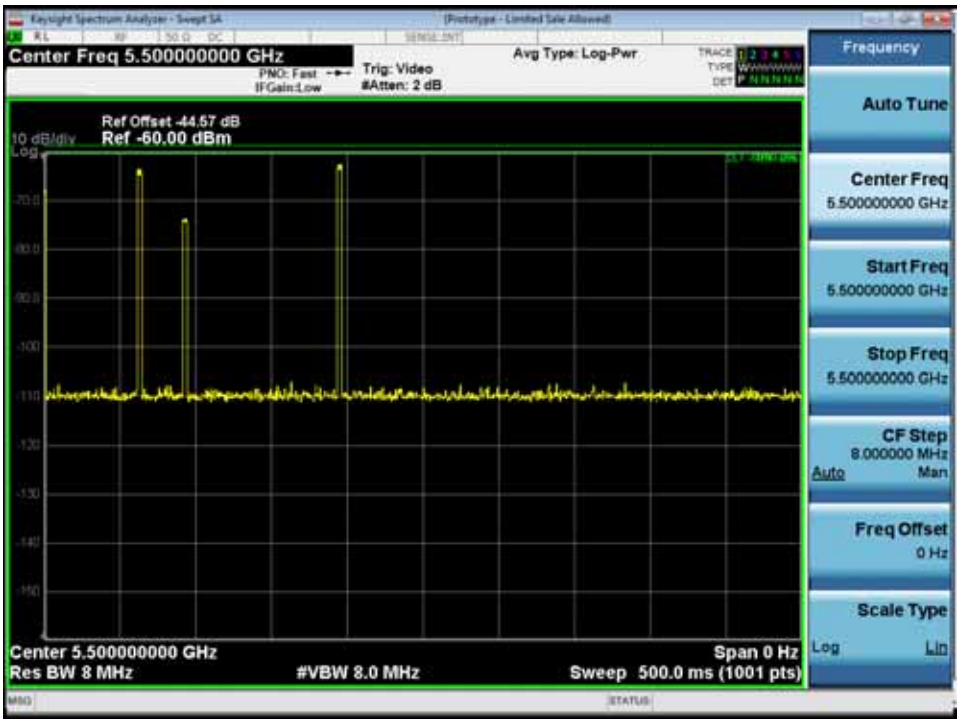
USA Bin 3 Radar Calibration



USA Bin 4 Radar Calibration



USA Bin 5 Radar Calibration

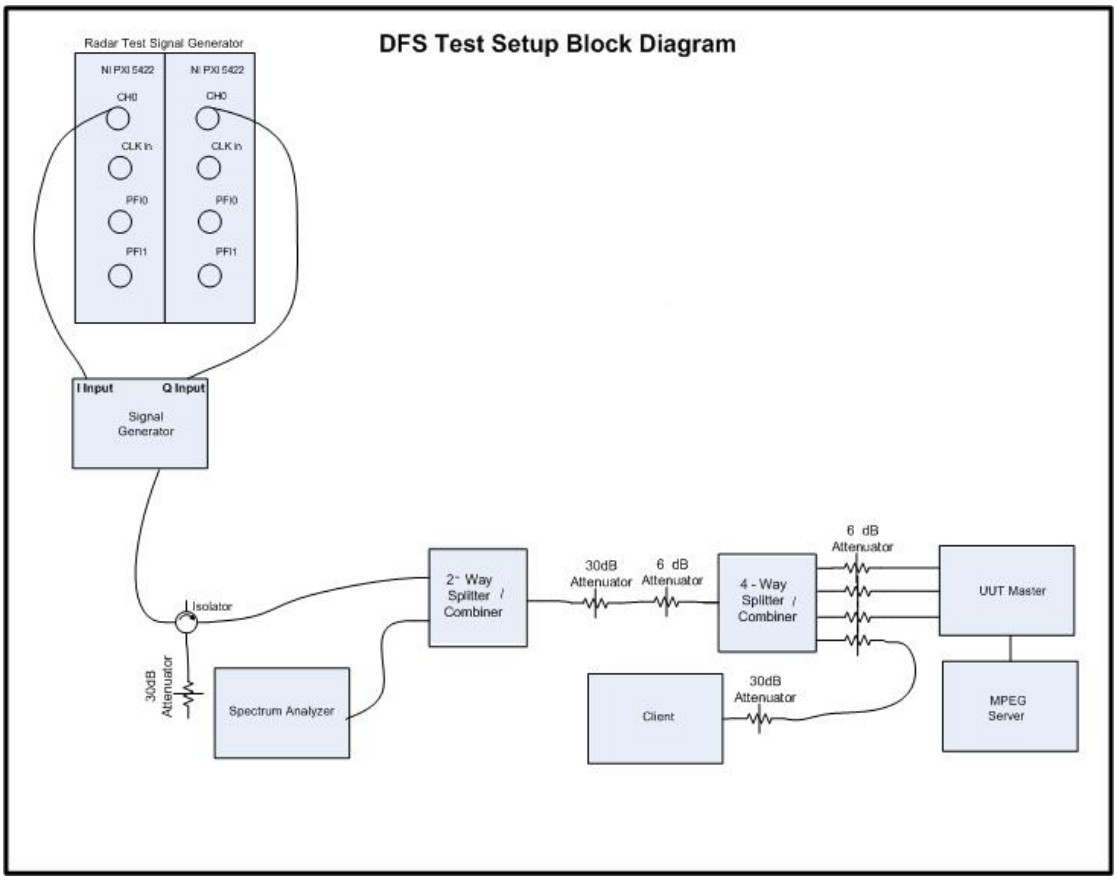


USA Frequency Hopping Radar Calibration

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

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	18
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	18
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	0	0	1	1	1	1	1	1	1	1	80		
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	18	18
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	18
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	18
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	18
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	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5493.8	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5495.8	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5497.8	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	18
5501	1	1	1	1	1	1	1	1	1	1	100		
5502.2	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504.2	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506.2	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5507	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	18
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	38
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	38
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	0	1	1	1	1	1	1	1	1	1	90	40	38
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	38
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	38
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	38
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)**
5493	1	1	1	1	1	1	1	1	1	1	100	40	38
5493	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5493.8	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5495.8	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5497.8	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		
5522.2	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	1	1	1	1	1	100		
5524.2	1	1	1	1	1	1	1	1	1	1	100		
5525	1	1	1	1	1	1	1	1	1	1	100		
5526.2	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5527	1	1	1	1	1	1	1	1	1	1	100		
5527	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	38
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	77
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	77
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	77
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	77
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	77
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	77
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	77
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	80	77
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 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	77
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	77
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	77
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	77
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)**
5493.5	1	1	1	1	1	1	1	1	1	1	100	80	77
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		
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	77
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		
5561.3	1	1	1	1	1	1	1	1	1	1	100		
5562.1	1	1	1	1	1	1	1	1	1	1	100		
5563.3	1	1	1	1	1	1	1	1	1	1	100		
5564.1	1	1	1	1	1	1	1	1	1	1	100		
5565.3	1	1	1	1	1	1	1	1	1	1	100		
5566.1	1	1	1	1	1	1	1	1	1	1	100		
5566.5	1	1	1	1	1	1	1	1	1	1	100		
5566.5	1	1	1	1	1	1	1	1	1	1	100		
5566.5	1	1	1	1	1	1	1	1	1	1	100		
5566.5	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	77
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		
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	77
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

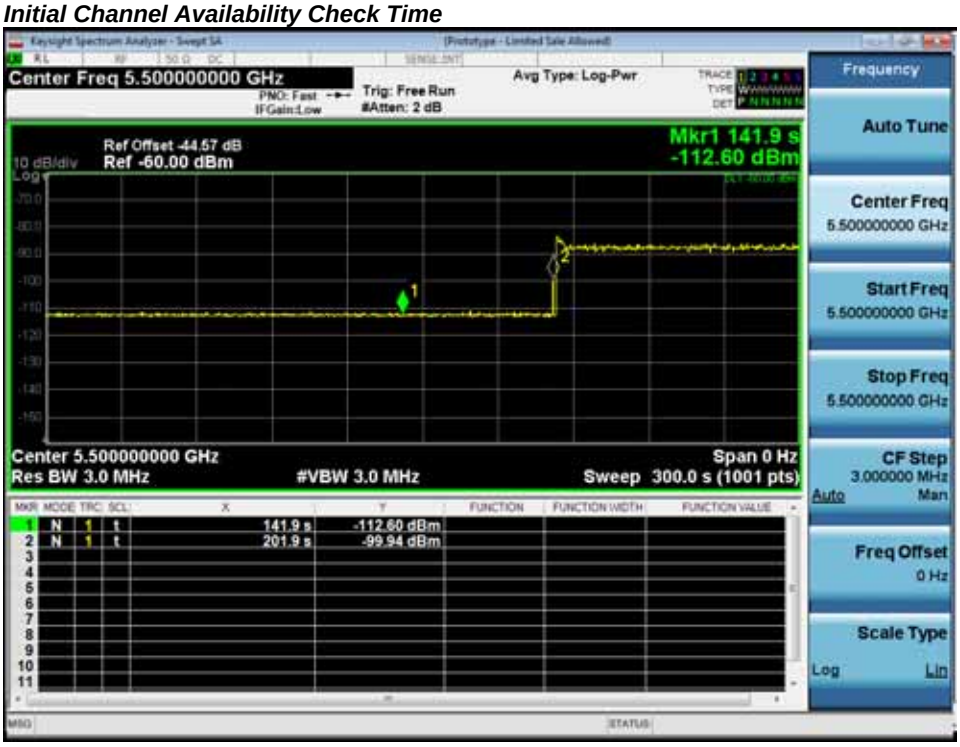
The tests that the UUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.

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 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 (-60dBm) occurs at the beginning of the Channel Availability Check Time.

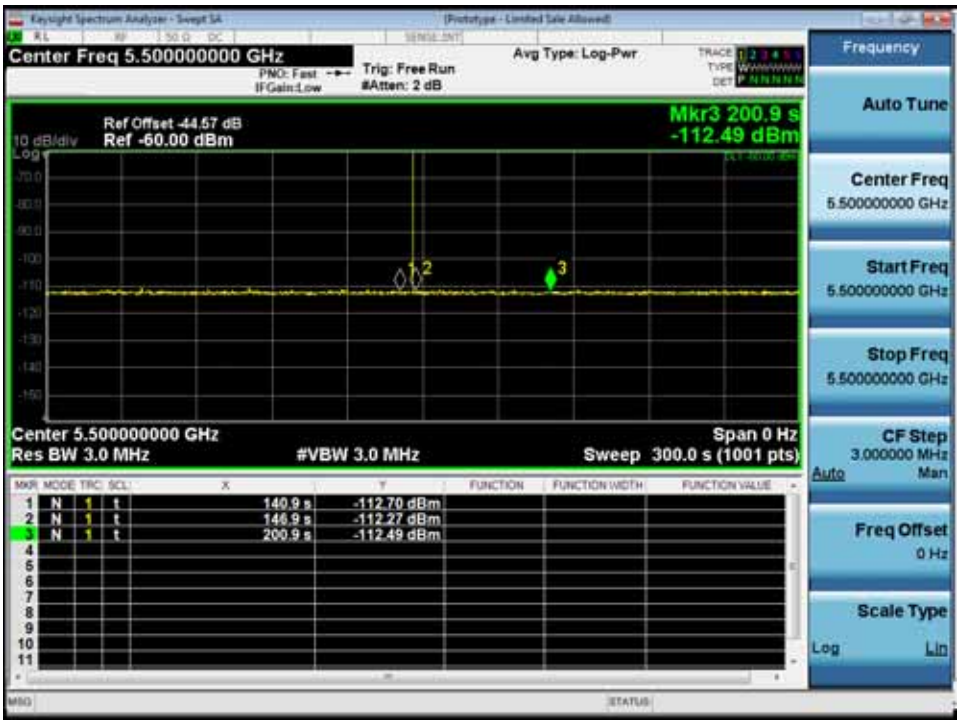
The UUT is powered on at T_0. T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T_1 and will end no sooner than T_1 + 60 seconds.

A single Burst of short pulse of radar type 0 at -60 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 5 minutes after the radar Burst has been generated.

Verify that during the 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 (-60dBm) occurs at the end of the Channel Availability Check Time.

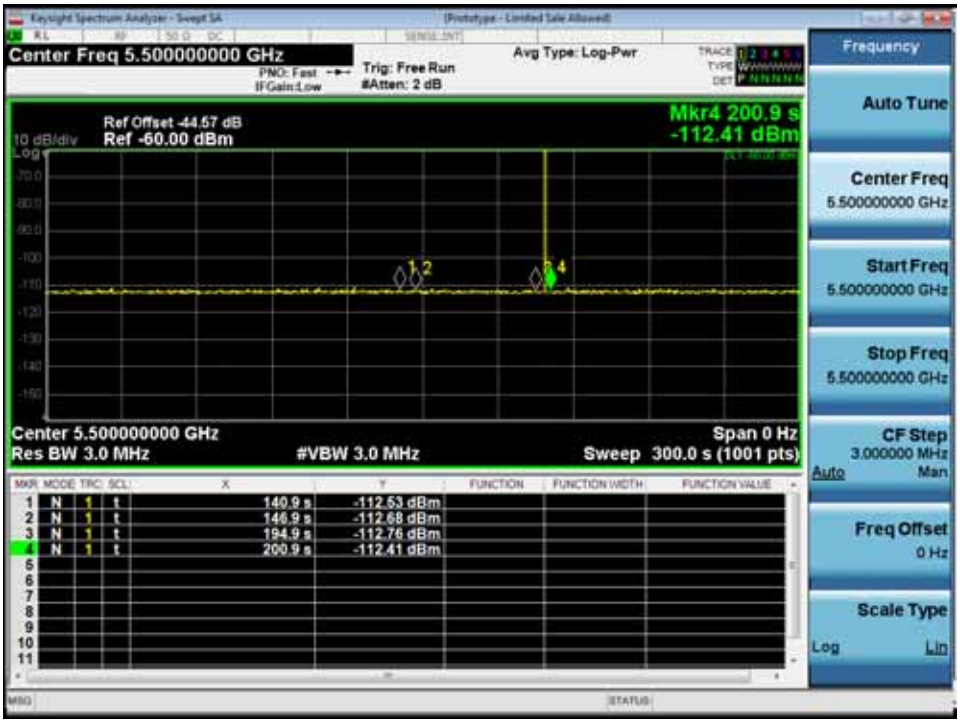
The UUT is powered on at T_0. T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T_1 and will end no sooner than T_1 + 60 seconds.

A single Burst of short pulse of radar type 0 at -60 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 5 minutes after the radar Burst has been generated.

Verify that during the 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 (-60dBm) is generated on the Operating Channel of the U-NII device.

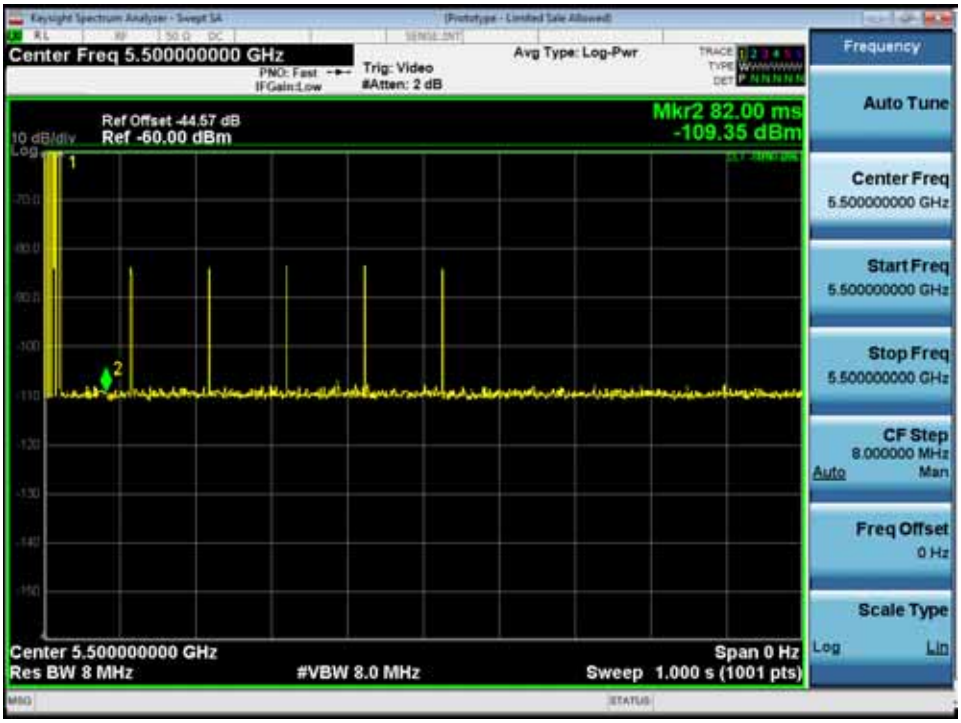
A U-NII device operating as a Client Device will associate with the UUT (Master) at 5500 MHz. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test.

At time T_0 the Radar Waveform generator sends a Burst of pulses for radar type 0 at -60dBm.

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***.**

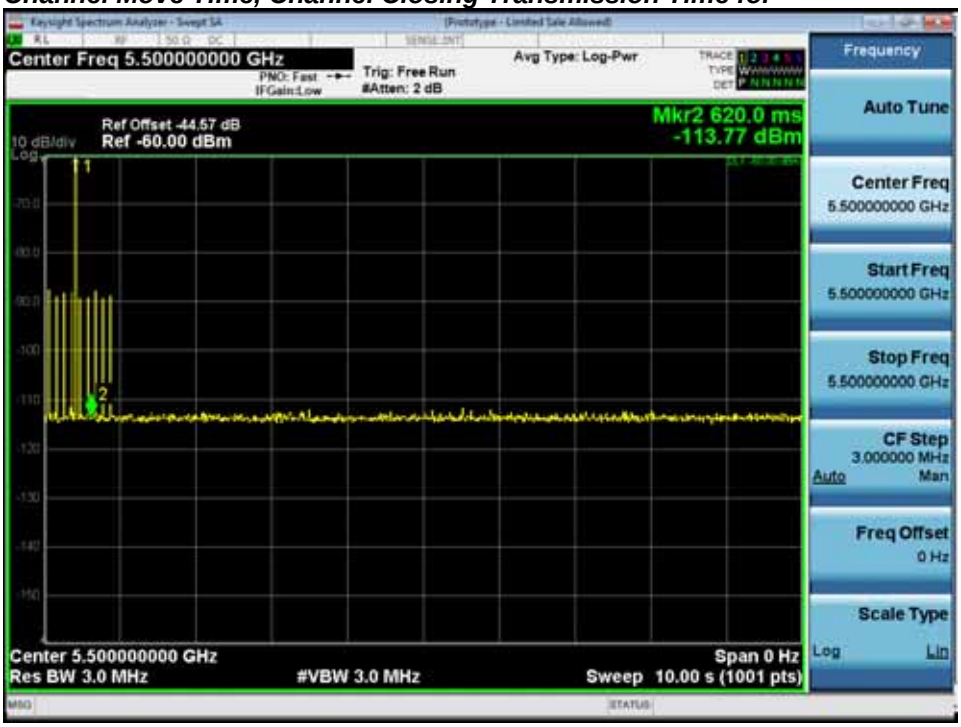
Marker 1 indicates the end of the radar pulse, Marker 2 is equal to marker 1 + 50ms. The plot demonstrates a closing time of 50ms or less. The aggregate beacons are visually verified less than 60ms. Type 0 radar was used for this data.

Channel Close time of 50ms



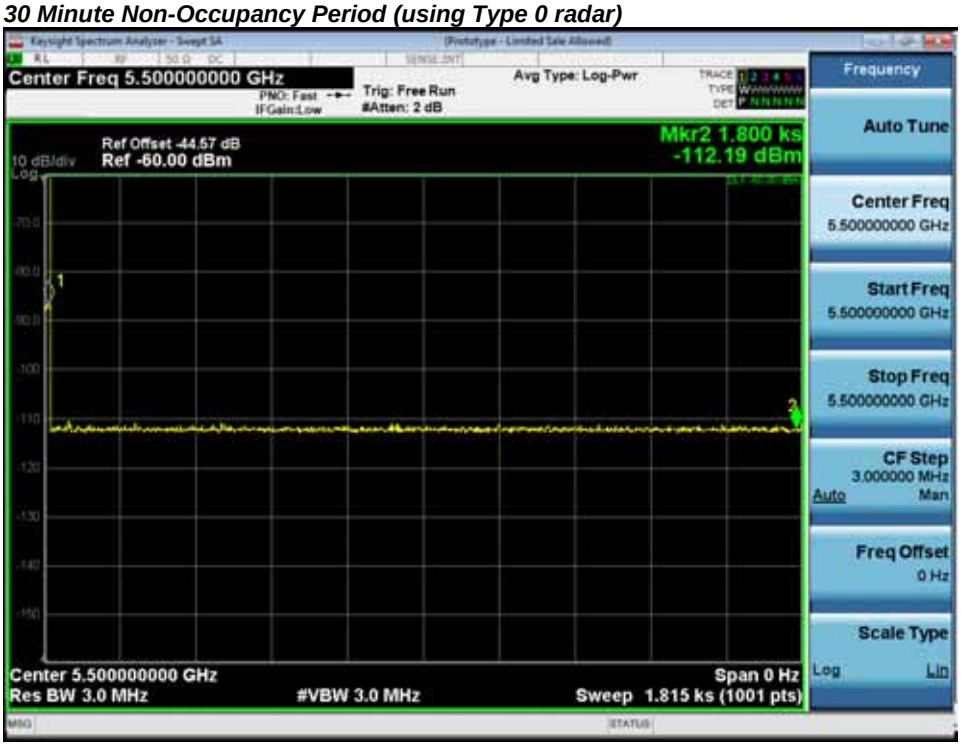
Channel close time of 50ms

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 (-60dBm) 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 -60dbm. 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:

$$\frac{TotalWaveformDetections}{TotalWaveformTrials} \times 100$$ = 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 5500MHz, 20MHz BW, USA Bin 1A/1B Radar Statistical Performance

Trial #	Pulses	PW	PRF (pps)	PRF (pps)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	65	1	818	1		
2	5494	102	1	518	1		
3	5494	74	1	718	1		
4	5494	68	1	778	1		
5	5494	67	1	798	1		
6	5494	81	1	658	1		
7	5495	67	1	798	1		
8	5495	18	1	3066	1		
9	5495	61	1	878	1		
10	5495	59	1	898	1		
11	5495	81	1	658	1		
12	5495	68	1	778	1		
13	5500	72	1	738	1		
14	5500	81	1	658	1		
15	5500	63	1	838	1		
16	5500	29	1	1868	1	100.0%	60.0%
17	5500	46	1	1154	1		
18	5500	19	1	2793	1		
19	5505	93	1	573	1		
20	5505	27	1	1955	1		
21	5505	53	1	1009	1		
22	5505	19	1	2825	1		
23	5505	43	1	1243	1		
24	5505	71	1	751	1		
25	5506	46	1	1164	1		
26	5506	22	1	2447	1		
27	5506	24	1	2261	1		
28	5506	34	1	1584	1		
29	5506	19	1	2923	1		
30	5506	26	1	2088	1		

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

Trial #	Pulses	PW	PRF (pps)	PRF (pps)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	29	4.7	157	1	73.3%	60.0%
2	5494	23	3.1	209	1		
3	5494	29	2.7	201	0		
4	5494	25	2.8	220	0		
5	5494	28	1.4	194	1		
6	5494	27	3.2	229	1		
7	5495	29	3.2	207	0		
8	5495	28	5	184	1		
9	5495	25	1.4	174	1		
10	5495	28	2.6	212	1		
11	5495	25	2.7	188	1		
12	5495	25	4.6	217	1		
13	5500	26	4.5	205	0		
14	5500	29	4.4	177	1		
15	5500	29	2	203	1		
16	5500	23	1.6	214	1		
17	5500	25	2.9	174	0		
18	5500	23	2.7	199	1		
19	5505	24	3.4	171	1		
20	5505	26	3.9	209	1		
21	5505	25	1.5	163	0		
22	5505	25	4.1	160	1		
23	5505	25	1.3	183	1		
24	5505	24	2.4	196	1		
25	5506	27	2.6	223	0		
26	5506	24	3.9	198	1		
27	5506	27	1.3	183	1		
28	5506	29	1.5	218	0		
29	5506	27	2.3	163	1		
30	5506	27	2.6	215	1		

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

Trial #	Pulses	PW	PRF (pps)	PRF (pps)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	17	8.2	363	1	80.0%	60.0%
2	5494	16	7.1	437	1		
3	5494	18	9.4	466	1		
4	5494	18	6.3	365	1		
5	5494	16	6.4	340	1		
6	5494	16	7.1	232	0		
7	5495	18	6.5	275	1		
8	5495	16	9.6	342	1		
9	5495	18	9.3	267	1		
10	5495	16	6.1	218	0		
11	5495	18	6.6	297	1		
12	5495	17	6.9	423	0		
13	5500	17	8.6	493	1		
14	5500	16	8.6	493	1		
15	5500	16	6.8	344	1		
16	5500	17	6.7	414	1		
17	5500	16	6.7	291	0		
18	5500	16	7.3	326	1		
19	5505	18	7.1	382	1		
20	5505	17	6.8	364	1		
21	5505	18	6.4	333	1		
22	5505	17	8.9	202	1		
23	5505	17	8.3	417	1		
24	5505	16	6.8	239	1		
25	5506	17	9.6	370	1		
26	5506	16	8.3	213	0		
27	5506	18	7	299	1		
28	5506	17	8.1	348	1		
29	5506	16	7.7	446	1		
30	5506	17	6.7	430	0		

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

Trial #	Pulses	PW	PRF (pps)	PRF (pps)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	12	15.3	381	0	80.0%	60.0%
2	5494	15	13.5	448	1		
3	5494	15	18	494	1		
4	5494	13	16.9	240	1		
5	5494	15	19.2	442	1		
6	5494	16	13.2	348	0		
7	5495	12	12	380	1		
8	5495	14	12.7	228	1		
9	5495	16	16.8	487	1		
10	5495	14	19.5	380	1		
11	5495	13	18.8	351	1		
12	5495	14	17.4	249	0		
13	5500	12	11.8	347	0		
14	5500	14	11.5	227	1		
15	5500	12	14.2	214	1		
16	5500	13	17.8	429	1		
17	5500	13	17.9	210	1		
18	5500	16	11.6	416	0		
19	5505	14	19.7	363	1		
20	5505	13	11.9	273	1		
21	5505	12	17.9	411	1		
22	5505	15	18.7	253	1		
23	5505	12	17.9	411	1		
24	5505	15	15.5	494	1		
25	5506	13	12.6	316	1		
26	5506	12	17.1	463	0		
27	5506	16	18.4	221	1		
28	5506	15	15.5	268	1		
29	5506	12	15.2	396	1		
30	5506	15	16.8	472	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%+73,3%+80.0%+80.0%)/4 = 83.3% (>80%)

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

Channel 5500 MHz, 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	3	5496.6	14	100	1246	1405	0.559259
2	1	5496.6	14	50			1.480936
3	1	5496.6	14	80			2.025041
4	3	5496.6	14	95	1540	1236	3.472023
5	1	5496.6	14	55			4.109933
6	3	5496.6	14	70	1091	1870	5.39222
7	2	5496.6	14	80	1573		5.884942
8	1	5496.6	14	85			7.240165
9	1	5496.6	14	50			7.909094
10	1	5496.6	14	60			8.440449
11	2	5496.6	14	90	1595		9.427272
12	1	5496.6	14	55			10.393142
13	3	5496.6	14	55	1941	1826	11.564652

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	5495.4	11	60			0.594891
2	3	5495.4	11	95	1884	1248	1.011541
3	3	5495.4	11	90	1845	1996	1.543029
4	2	5495.4	11	70	1772		2.319476
5	1	5495.4	11	85			3.217333
6	2	5495.4	11	100	1187		3.7773
7	3	5495.4	11	85	1815	1152	4.57069
8	2	5495.4	11	65	1159		4.831941
9	2	5495.4	11	70	1318		5.994347
10	3	5495.4	11	75	1121	1932	6.427989
11	1	5495.4	11	100			7.220465
12	3	5495.4	11	65	1629	1770	7.42481
13	1	5495.4	11	50			8.399168
14	1	5495.4	11	55			8.827063
15	3	5495.4	11	75	1098	1030	9.972132
16	2	5495.4	11	70	1453		10.589794
17	1	5495.4	11	60			10.758273
18	3	5495.4	11	95	1981	1743	11.753926

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	2	5496.6	14	65	1242		0.798325
2	2	5496.6	14	75	1046		1.593214
3	3	5496.6	14	60	1565	1549	2.138418
4	2	5496.6	14	60	1612		3.066135
5	2	5496.6	14	95	1425		4.98796
6	3	5496.6	14	65	1711	1337	5.113723
7	2	5496.6	14	80	1432		6.557558
8	3	5496.6	14	75	1792	1317	7.672115
9	3	5496.6	14	70	1121	1808	8.870119
10	3	5496.6	14	80	1354	1741	9.854818
11	1	5496.6	14	85			10.270633
12	2	5496.6	14	100	1700		11.374463

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	5498.6	19	75			0.262355
2	2	5498.6	19	75	1685		0.766713
3	2	5498.6	19	50	1037		1.679462
4	2	5498.6	19	75	1912		2.462333
5	3	5498.6	19	90	1119	1583	3.135944
6	1	5498.6	19	70			3.565921
7	1	5498.6	19	55			4.229024

8	3	5498.6	19	65	1785	1201	4.753431
9	2	5498.6	19	70	1457		5.656653
10	2	5498.6	19	100	1405		6.270202
11	1	5498.6	19	70			7.150806
12	2	5498.6	19	65	1638		7.923168
13	2	5498.6	19	55	1849		8.479738
14	3	5498.6	19	55	1572	1273	8.71073
15	1	5498.6	19	80			9.723885
16	2	5498.6	19	80	1107		10.642252
17	2	5498.6	19	60	1801		10.696106
18	3	5498.6	19	80	1507	1520	11.418643

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	3	5498.2	18	65	1245	1236	0.357298
2	2	5498.2	18	85	1722		1.084083
3	3	5498.2	18	70	1655	1385	1.340714
4	3	5498.2	18	55	1049	1154	2.423308
5	2	5498.2	18	50	1976		2.838633
6	3	5498.2	18	55	1769	1476	3.561873
7	2	5498.2	18	70	1249		4.399832
8	2	5498.2	18	85	1388		4.726519
9	3	5498.2	18	95	1409	1544	5.616858
10	3	5498.2	18	70	1959	1674	6.086027
11	3	5498.2	18	100	1303	1308	6.764754
12	3	5498.2	18	85	1205	1734	7.254554
13	2	5498.2	18	80	1825		7.865369
14	2	5498.2	18	70	1332		8.544246
15	2	5498.2	18	70	1423		9.234674
16	2	5498.2	18	70	1265		9.872701
17	1	5498.2	18	95			10.313873
18	1	5498.2	18	70			11.098363
19	2	5498.2	18	75	1177		11.73736

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	5495.4	11	100	1982		0.663998
2	3	5495.4	11	60	1006	1628	1.129627
3	1	5495.4	11	90			2.475678
4	2	5495.4	11	75	1405		3.375324
5	2	5495.4	11	65	1401		4.175674
6	3	5495.4	11	90	1708	1594	4.372894
7	1	5495.4	11	55			5.531903
8	1	5495.4	11	70			6.802618
9	2	5495.4	11	100	1908		7.213384
10	1	5495.4	11	55			8.474957
11	1	5495.4	11	65			9.3972
12	1	5495.4	11	60			10.019424
13	3	5495.4	11	100	1013	1771	11.107727
14	1	5495.4	11	85			11.259627

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	5497	15	50	1857	1022	0.457126
2	2	5497	15	95	1569		1.251507
3	3	5497	15	85	1947	1643	1.828521
4	1	5497	15	55			2.163685
5	3	5497	15	50	1199	1273	2.764742
6	3	5497	15	60	1740	1193	3.937643
7	2	5497	15	90	1603		4.025808
8	3	5497	15	85	1633	1059	5.029853
9	3	5497	15	60	1265	1763	5.644925

10	1	5497	15	80			6.580237
11	2	5497	15	55	1126		6.882221
12	3	5497	15	80	1798	1308	7.945003
13	2	5497	15	90	1954		8.016247
14	2	5497	15	50	1263		9.125644
15	2	5497	15	50	1240		9.951793
16	3	5497	15	50	1520	1960	10.001197
17	1	5497	15	85			10.992195
18	2	5497	15	90	1245		11.951727

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	5498.6	19	55			0.18295
2	3	5498.6	19	85	1277	1485	1.342673
3	1	5498.6	19	80			1.866178
4	2	5498.6	19	95	1241		2.494295
5	3	5498.6	19	70	1741	1071	3.0484
6	1	5498.6	19	70			3.954691
7	3	5498.6	19	55	1747	1542	4.293674
8	2	5498.6	19	55	1210		4.965962
9	2	5498.6	19	70	1135		5.779512
10	1	5498.6	19	65			6.366566
11	3	5498.6	19	90	1463	1909	7.624243
12	3	5498.6	19	75	1142	1857	8.307302
13	2	5498.6	19	80	1445		8.595541
14	2	5498.6	19	75	1564		9.694392
15	1	5498.6	19	80			10.092756
16	2	5498.6	19	100	1720		10.995975
17	2	5498.6	19	65	1530		11.877182

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	1	5494.2	8	85			0.009699
2	1	5494.2	8	50			0.903847
3	2	5494.2	8	50	1988		1.57455
4	2	5494.2	8	95	1650		2.10288
5	2	5494.2	8	80	1246		3.057615
6	3	5494.2	8	75	1032	1470	3.770818
7	2	5494.2	8	60	1850		4.158876
8	3	5494.2	8	65	1000	1642	5.29321
9	1	5494.2	8	80			5.891253
10	1	5494.2	8	90			6.411584
11	1	5494.2	8	80			6.675639
12	1	5494.2	8	60			7.597529
13	3	5494.2	8	90	1718	1849	8.349252
14	1	5494.2	8	85			9.053286
15	1	5494.2	8	70			9.989707
16	2	5494.2	8	50	1391		10.041096
17	2	5494.2	8	95	1640		11.13881
18	3	5494.2	8	70	1369	1056	11.721647

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	1	5497.8	17	100			0.909043
2	1	5497.8	17	55			1.147997
3	1	5497.8	17	75			2.990572
4	1	5497.8	17	75			3.148473
5	1	5497.8	17	85			4.055243
6	2	5497.8	17	80	1946		5.502938
7	2	5497.8	17	90	1536		6.236434
8	1	5497.8	17	100			7.357857
9	3	5497.8	17	65	1089	1477	8.287116

10	1	5497.8	17	70			9.780115
11	1	5497.8	17	100			10.964898
12	1	5497.8	17	70			11.669722

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	1	5500	5	100			0.700891
2	3	5500	5	65	1894	1520	1.375428
3	1	5500	5	80			1.839411
4	2	5500	5	55	1285		2.333506
5	2	5500	5	55	1237		3.312323
6	2	5500	5	55	1930		3.974066
7	1	5500	5	90			4.236278
8	2	5500	5	65	1521		5.179897
9	1	5500	5	65			6.347295
10	2	5500	5	100	1721		6.90701
11	3	5500	5	50	1752	1036	7.530801
12	2	5500	5	50	1537		7.921569
13	2	5500	5	95	1429		8.764444
14	2	5500	5	80	1627		9.384358
15	2	5500	5	65	1885		10.041899
16	1	5500	5	80			10.738532
17	3	5500	5	100	1168	1215	11.896538

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	1	5500	15	100			0.110031
2	1	5500	15	80			0.728381
3	1	5500	15	60			1.471646
4	2	5500	15	90	1405		2.119819
5	3	5500	15	60	1747	1573	2.858417
6	2	5500	15	80	1367		3.647929
7	1	5500	15	55			4.846578
8	3	5500	15	60	1971	1787	5.385785
9	2	5500	15	75	1228		5.769874
10	2	5500	15	80	1393		6.979979
11	1	5500	15	65			7.469285
12	2	5500	15	65	1690		7.783451
13	1	5500	15	50			8.763904
14	1	5500	15	85			9.481245
15	3	5500	15	75	1790	1360	10.413172
16	1	5500	15	95			10.819847
17	2	5500	15	85	1566		11.827327

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	5500	16	85	1216	1705	0.439321
2	1	5500	16	60			1.564802
3	3	5500	16	85	1826	1203	2.129747
4	1	5500	16	60			3.691158
5	3	5500	16	80	1974	1475	3.961724
6	1	5500	16	70			5.237244
7	1	5500	16	90			6.12098
8	3	5500	16	85	1212	1968	7.265408
9	2	5500	16	70	1281		8.067785
10	1	5500	16	95			8.922994
11	1	5500	16	65			9.956879
12	2	5500	16	85	1091		10.176479
13	3	5500	16	70	1324	1076	11.277777

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	3	5500	8	65	1193	1984	0.405108
2	1	5500	8	80			1.901578
3	2	5500	8	85	1921		2.655256
4	1	5500	8	80			3.481652
5	1	5500	8	80			4.76545
6	1	5500	8	60			5.612942
7	1	5500	8	95			7.612708
8	1	5500	8	65			8.267967
9	2	5500	8	55	1815		9.772648
10	1	5500	8	95			9.969831
11	3	5500	8	70	1125	1885	11.062965

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	13	70			0.500083
2	3	5500	13	70	1256	1467	1.144017
3	3	5500	13	50	1730	1631	1.732414
4	2	5500	13	60	1383		2.765047
5	3	5500	13	55	1988	1205	3.757722
6	3	5500	13	50	1783	1481	4.529293
7	2	5500	13	75	1187		5.51587
8	1	5500	13	65			6.063174
9	3	5500	13	70	1012	1354	6.874033
10	2	5500	13	75	1123		7.419012
11	2	5500	13	50	1617		8.714425
12	3	5500	13	60	1795	1251	8.933808
13	3	5500	13	70	1244	1625	9.964651
14	3	5500	13	90	1753	1349	10.487673
15	2	5500	13	80	1932		11.554066

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	1	5500	13	75			0.566501
2	1	5500	13	65			2.522168
3	1	5500	13	50			3.59606
4	1	5500	13	95			5.148305
5	2	5500	13	55	1195		6.859866
6	2	5500	13	70	1485		8.824298
7	1	5500	13	95			9.166255
8	2	5500	13	60	1291		10.917096

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	5	75	1742		0.701538
2	2	5500	5	55	1231		0.886134
3	1	5500	5	60			1.775586
4	3	5500	5	85	1816	1863	2.602218
5	1	5500	5	60			3.624846
6	3	5500	5	50	1859	1920	4.911322
7	2	5500	5	90	1635		5.334106
8	3	5500	5	90	1609	1166	6.614082
9	2	5500	5	100	1300		7.184084
10	3	5500	5	100	1149	1055	8.225713
11	1	5500	5	85			9.198477
12	1	5500	5	60			9.590215
13	1	5500	5	85			10.287693
14	3	5500	5	75	1554	1998	11.80739

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	3	5500	5	55	1220	1014	0.065014
2	1	5500	5	95			1.978045

3	1	5500	5	80			2.947263
4	3	5500	5	65	1932	1339	3.759505
5	1	5500	5	100			4.070761
6	2	5500	5	75	1551		5.714702
7	3	5500	5	85	1285	1178	6.062978
8	2	5500	5	100	1678		7.082014
9	2	5500	5	80	1540		8.796217
10	3	5500	5	90	1594	1358	9.196376
11	2	5500	5	70	1329		10.358235
12	2	5500	5	80	1263		11.06079

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	3	5500	12	95	1359	1264	0.386614
2	1	5500	12	70			0.798556
3	1	5500	12	75			1.788248
4	3	5500	12	50	1560	1518	2.79186
5	2	5500	12	75	1867		3.680684
6	1	5500	12	55			4.383155
7	2	5500	12	75	1580		4.506209
8	3	5500	12	80	1853	1339	5.360568
9	3	5500	12	60	1321	1723	6.081089
10	2	5500	12	85	1289		6.826882
11	2	5500	12	100	1176		8.158149
12	3	5500	12	95	1800	1902	8.992726
13	3	5500	12	80	1876	1121	9.230815
14	1	5500	12	95			10.343445
15	3	5500	12	65	1542	1177	10.596587
16	1	5500	12	80			11.921662

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	1	5500	20	85			1.013284
2	1	5500	20	65			1.61987
3	3	5500	20	75	1742	1282	4.496718
4	3	5500	20	75	1952	1828	4.987871
5	3	5500	20	90	1935	1844	6.106101
6	3	5500	20	55	1227	1893	8.439342
7	3	5500	20	75	1920	1075	9.038009
8	2	5500	20	65	1170		11.883707

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	3	5503.4	14	55	1856	1370	0.030644
2	1	5503.4	14	55			0.989192
3	1	5503.4	14	90			1.495586
4	3	5503.4	14	60	1806	1553	2.004493
5	1	5503.4	14	100			3.105286
6	1	5503.4	14	65			3.31247
7	1	5503.4	14	65			4.261867
8	2	5503.4	14	95	1419		5.046123
9	2	5503.4	14	80	1973		5.313497
10	2	5503.4	14	100	1319		6.248898
11	3	5503.4	14	80	1697	1107	6.672705
12	2	5503.4	14	55	1094		7.458354
13	3	5503.4	14	85	1052	1404	8.103893
14	2	5503.4	14	85	1745		8.275939
15	1	5503.4	14	50			9.469566
16	2	5503.4	14	50	1580		10.04452
17	3	5503.4	14	75	1755	1876	10.147988
18	1	5503.4	14	65			10.866365
19	1	5503.4	14	80			11.919294

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	1	5504.6	11	70			0.247859
2	1	5504.6	11	55			0.976896
3	1	5504.6	11	60			1.659623
4	3	5504.6	11	65	1105	1281	1.985131
5	2	5504.6	11	100	1106		2.695963
6	1	5504.6	11	60			3.045122
7	3	5504.6	11	100	1848	1926	3.615942
8	3	5504.6	11	95	1515	1897	4.670709
9	1	5504.6	11	100			5.082
10	3	5504.6	11	80	1361	1592	5.614571
11	2	5504.6	11	80	1819		6.044347
12	3	5504.6	11	55	1284	1749	6.831354
13	2	5504.6	11	55	1773		7.773985
14	1	5504.6	11	90			7.872239
15	1	5504.6	11	60			8.847596
16	2	5504.6	11	80	1705		9.044724
17	3	5504.6	11	85	1641	1185	9.621636
18	3	5504.6	11	90	1626	1766	10.385025
19	2	5504.6	11	90	1593		10.89007
20	2	5504.6	11	50	1434		11.745954

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	5507	5	95	1245		0.188453
2	1	5507	5	75			0.905936
3	1	5507	5	100			1.980852
4	2	5507	5	65	1792		2.02298
5	1	5507	5	90			2.860213
6	1	5507	5	75			3.667577
7	2	5507	5	65	1269		4.135241
8	1	5507	5	50			4.819226
9	1	5507	5	95			5.820727
10	2	5507	5	55	1504		6.372316
11	2	5507	5	80	1922		6.906647
12	3	5507	5	90	1674	1168	7.887304
13	1	5507	5	60			8.536557
14	3	5507	5	75	1017	1478	9.033737
15	2	5507	5	60	1096		9.342659
16	2	5507	5	85	1664		10.478285
17	2	5507	5	100	1568		10.947551
18	2	5507	5	100	1467		11.493428

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	5504.2	12	55			0.740483
2	1	5504.2	12	70			1.484587
3	1	5504.2	12	70			2.132345
4	1	5504.2	12	60			2.834164
5	3	5504.2	12	60	1681	1640	3.353475
6	1	5504.2	12	95			3.989028
7	1	5504.2	12	90			4.684636
8	1	5504.2	12	75			5.487355
9	1	5504.2	12	55			6.122059
10	2	5504.2	12	65	1395		6.772946
11	3	5504.2	12	80	1636	1044	8.113733
12	1	5504.2	12	60			8.810737
13	2	5504.2	12	65	1386		9.428244
14	2	5504.2	12	70	1765		10.041868
15	1	5504.2	12	70			10.61527

16	1	5504.2	12	55			11.720022

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	5507	5	100			0.19696
2	1	5507	5	85			1.794708
3	3	5507	5	100	1905	1802	2.710457
4	3	5507	5	80	1730	1523	3.26401
5	2	5507	5	55	1418		4.018
6	3	5507	5	65	1595	1151	4.929421
7	3	5507	5	80	1919	1044	6.26031
8	3	5507	5	70	1752	1315	6.778273
9	2	5507	5	85	1655		8.047207
10	3	5507	5	55	1363	1717	8.542839
11	1	5507	5	85			9.501267
12	1	5507	5	80			10.272584
13	2	5507	5	100	1191		11.154197

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	5506.6	6	60	1474	1786	0.128914
2	2	5506.6	6	70	1845		0.866901
3	1	5506.6	6	50			1.982339
4	3	5506.6	6	55	1221	1681	3.417974
5	2	5506.6	6	70	1815		3.747339
6	1	5506.6	6	70			5.062128
7	1	5506.6	6	85			5.833737
8	3	5506.6	6	80	1223	1868	6.250889
9	2	5506.6	6	65	1041		6.861791
10	1	5506.6	6	60			8.092583
11	2	5506.6	6	65	1400		9.400464
12	1	5506.6	6	85			9.778375
13	2	5506.6	6	80	1441		10.486889
14	2	5506.6	6	50	1468		11.801621

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	5501	20	60	1214		0.590537
2	2	5501	20	55	1437		1.767538
3	2	5501	20	55	1846		3.724478
4	1	5501	20	100			4.882073
5	3	5501	20	75	1464	1438	7.392611
6	3	5501	20	70	1856	1659	7.74014
7	3	5501	20	75	1600	1045	9.218551
8	3	5501	20	65	1882	1357	11.756078

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	2	5506.6	6	70	1081		0.586986
2	3	5506.6	6	50	1374	1570	0.851214
3	1	5506.6	6	60			1.757941
4	3	5506.6	6	95	1136	1207	2.635753
5	3	5506.6	6	55	1959	1547	3.042023
6	2	5506.6	6	90	1710		3.529633
7	1	5506.6	6	90			4.505131
8	2	5506.6	6	75	1608		4.980791
9	1	5506.6	6	60			6.311411
10	1	5506.6	6	80			7.055902
11	2	5506.6	6	60	1966		7.060417
12	3	5506.6	6	65	1602	1223	8.325487
13	3	5506.6	6	50	1998	1389	8.650135
14	2	5506.6	6	55	1312		9.318963

15	1	5506.6	6	60			9.977494
16	3	5506.6	6	80	1491	1059	10.800328
17	2	5506.6	6	60	1201		11.381239

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	5503.4	14	70	1751	1900	1.075899
2	2	5503.4	14	80	1900		1.700261
3	1	5503.4	14	90			3.275772
4	3	5503.4	14	90	1879	1700	4.057427
5	2	5503.4	14	95	1158		6.291966
6	3	5503.4	14	85	1709	1784	7.126
7	3	5503.4	14	85	1026	1999	8.498063
8	2	5503.4	14	100	1849		10.13006
9	1	5503.4	14	95			11.352441

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	5505.4	9	80	1102		0.277819
2	3	5505.4	9	55	1402	1019	1.163027
3	3	5505.4	9	85	1861	1922	1.34127
4	3	5505.4	9	60	1439	1256	2.049405
5	2	5505.4	9	100	1164		2.62149
6	1	5505.4	9	90			3.02928
7	2	5505.4	9	70	1126		3.63723
8	2	5505.4	9	50	1464		4.36662
9	2	5505.4	9	95	1022		5.130941
10	2	5505.4	9	60	1340		5.864308
11	3	5505.4	9	60	1361	1843	6.342703
12	2	5505.4	9	75	1688		6.801366
13	3	5505.4	9	95	1100	1454	7.311414
14	3	5505.4	9	85	1519	1217	8.032309
15	3	5505.4	9	95	1724	1815	8.550937
16	1	5505.4	9	95			9.410494
17	2	5505.4	9	75	1708		9.693376
18	3	5505.4	9	80	1841	1420	10.780321
19	1	5505.4	9	75			11.310308
20	1	5505.4	9	90			11.520798

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

Channel 5500MHz, 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	93.3%	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	0		
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	0		
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)
14	5493	42
27	5504	81
32	5491	96
34	5503	102
39	5496	117
84	5497	252
88	5508	264
98	5505	294

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
3	5493	9
35	5503	105
38	5509	114
50	5500	150
76	5494	228
99	5498	297

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
2	5501	6
14	5507	42
15	5492	45
25	5504	75
27	5496	81

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
1	5495	3
7	5491	21
35	5501	105

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
35	5491	105
40	5509	120
49	5503	147
96	5493	288

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
15	5500	45
21	5502	63
23	5499	69
54	5496	162
62	5506	186
63	5493	189

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
0	5509	0
2	5499	6
10	5497	30
21	5501	63
53	5496	159
56	5504	168
67	5505	201
73	5503	219
85	5507	255

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
15	5498	45
42	5494	126
98	5507	294

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
15	5492	45
27	5507	81
30	5496	90

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
10	5494	30

89	5503	267
99	5492	297

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
23	5500	69
30	5509	90
61	5497	183
66	5503	198
67	5496	201
80	5499	240
89	5508	267
94	5493	282

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
25	5494	75
50	5493	150
56	5496	168
60	5495	180
77	5499	231

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
22	5493	66

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
12	5506	36

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
55	5493	165

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
2	5506	6
45	5500	135
80	5505	240
87	5495	261
92	5492	276

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
4	5496	12
29	5506	87
81	5508	243
84	5493	252

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
66	5492	198
72	5491	216
76	5504	228

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
18	5501	54
53	5497	159
90	5493	270

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
9	5507	27
11	5496	33
44	5494	132
86	5509	258

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
23	5508	69
35	5496	105
48	5491	144
64	5500	192
67	5501	201

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
20	5496	60
40	5494	120

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
26	5504	78
43	5493	129
82	5497	246

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
1	5501	3
21	5502	63
28	5507	84
36	5509	108
51	5505	153
58	5495	174
76	5493	228

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
15	5491	45
42	5497	126

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
11	5498	33
42	5508	126
44	5494	132

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
70	5504	210
85	5499	255
92	5502	276
96	5500	288

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
2	5496	6
41	5497	123
74	5493	222
79	5505	237
80	5491	240
89	5498	267

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
4	5494	12
45	5503	135
48	5506	144
50	5497	150
73	5499	219
74	5504	222

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
1	5493	3
74	5499	222
78	5507	234
84	5503	252

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

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	18	1	3066	1	93.3%	60.0%
2	5494	58	1	918	1		
3	5494	92	1	578	1		
4	5494	61	1	878	0		
5	5494	89	1	598	1		
6	5494	95	1	558	1		
7	5500	76	1	698	1		
8	5500	76	1	698	1		
9	5500	81	1	658	1		
10	5500	99	1	538	1		
11	5500	99	1	538	1		
12	5500	83	1	638	1		
13	5510	72	1	738	1		
14	5510	81	1	658	1		
15	5510	89	1	598	1		
16	5510	34	1	1589	1		
17	5510	49	1	1097	1		
18	5510	51	1	1053	1		
19	5520	22	1	2428	1		
20	5520	18	1	2968	1		
21	5520	20	1	2680	1		
22	5520	34	1	1582	1		
23	5520	100	1	533	1		
24	5520	25	1	2183	1		
25	5526	25	1	2124	0		
26	5526	55	1	971	1		
27	5526	34	1	1586	1		
28	5526	32	1	1691	1		
29	5526	24	1	2278	1		
30	5526	27	1	2015	1		

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

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	27	4.2	221	1	83.3%	60.0%
2	5494	27	2.9	177	1		
3	5494	28	3.4	181	1		
4	5494	25	4.5	184	0		
5	5494	26	4	185	1		
6	5494	26	2.9	210	1		
7	5500	27	2.2	185	1		
8	5500	29	3	171	1		
9	5500	24	3.9	229	1		
10	5500	25	4.4	226	1		
11	5500	29	2.4	205	0		
12	5500	24	2.8	184	1		
13	5510	25	3.1	167	1		
14	5510	28	1.5	164	1		
15	5510	24	4.8	171	0		
16	5510	25	4.3	208	1		
17	5510	25	4.9	209	1		
18	5510	28	2.8	165	1		
19	5520	28	2.6	200	1		
20	5520	23	2.4	193	1		
21	5520	27	1.6	219	0		
22	5520	28	2.2	185	1		
23	5520	28	1.9	179	1		
24	5520	25	4.5	199	1		
25	5526	27	4.9	207	0		
26	5526	24	3.1	224	1		
27	5526	28	1.1	193	1		
28	5526	25	4.3	189	1		
29	5526	28	4.8	158	1		
30	5526	23	1.3	157	1		

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

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	16	7.3	273	1	93.3%	60.0%
2	5494	17	9.4	447	1		
3	5494	16	7.6	309	1		
4	5494	18	6.5	352	1		
5	5494	17	8.5	474	1		
6	5494	17	7.5	355	1		
7	5500	16	7.9	486	0		
8	5500	17	9.6	248	1		
9	5500	18	9.8	209	1		
10	5500	16	9	273	1		
11	5500	16	6.5	465	1		
12	5500	17	7.8	311	1		
13	5510	18	7.4	232	1		
14	5510	17	8.8	214	1		
15	5510	18	8.9	472	1		
16	5510	18	8.8	259	1		
17	5510	17	8.2	355	1		
18	5510	17	8.9	276	1		
19	5520	18	9.1	356	1		
20	5520	17	6.2	467	1		
21	5520	17	8.7	254	1		
22	5520	16	6.6	472	1		
23	5520	18	9.8	421	1		
24	5520	17	7.8	477	0		
25	5526	16	9.7	488	1		
26	5526	16	7.4	403	1		
27	5526	18	9.6	283	1		
28	5526	17	8	478	1		
29	5526	17	8.2	396	1		
30	5526	17	7.4	222	1		

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

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	15	16.8	230	1	70.0%	60.0%
2	5494	13	18.4	415	0		
3	5494	16	18.9	380	0		
4	5494	12	12.4	449	1		
5	5494	13	11.1	351	1		
6	5494	12	18.3	354	0		
7	5500	13	19	398	1		
8	5500	12	15.4	491	0		
9	5500	16	13.7	325	1		
10	5500	14	15	419	1		
11	5500	13	12.2	343	1		
12	5500	14	18.8	395	1		
13	5510	15	13.3	338	1		
14	5510	13	12.3	280	1		
15	5510	15	19.7	457	1		
16	5510	13	15.5	228	1		
17	5510	15	12.6	248	0		
18	5510	13	12.7	435	1		
19	5520	16	11.6	447	1		
20	5520	16	17.3	443	1		
21	5520	16	14.8	352	0		
22	5520	14	18.3	480	1		
23	5520	16	11.1	336	1		
24	5520	14	16.2	481	0		
25	5526	16	19.3	467	1		
26	5526	12	18.3	407	0		
27	5526	14	14.2	340	1		
28	5526	15	14.2	435	1		
29	5526	16	11.5	309	0		
30	5526	12	13.1	421	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:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4}$$ = (93.3%+83.3%+93.3%+70.0%)/4 = 84.9% (>80%)

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

Channel 5510 MHz, 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	5492	5	100			0.44474
2	3	5492	5	65	1209	1279	0.672585
3	2	5492	5	55	1110		1.832808
4	3	5492	5	70	1122	1739	2.338736
5	1	5492	5	70			2.769492
6	3	5492	5	95	1569	1015	3.747353
7	1	5492	5	50			4.417816
8	3	5492	5	70	1776	1536	4.543728
9	1	5492	5	85			5.179142
10	3	5492	5	90	1652	1273	5.994922
11	1	5492	5	85			6.772179
12	3	5492	5	70	1652	1408	7.5371
13	3	5492	5	70	1910	1290	8.083579
14	2	5492	5	90	1260		8.235532
15	1	5492	5	90			9.392686
16	1	5492	5	80			9.937941
17	2	5492	5	95	1609		10.260645
18	1	5492	5	90			10.747039
19	3	5492	5	50	1058	1200	11.507095

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	5492.4	6	90			0.378408
2	3	5492.4	6	60	1655	1687	1.061778
3	2	5492.4	6	90	1649		1.948075
4	2	5492.4	6	50	1653		2.130639
5	3	5492.4	6	75	1975	1692	2.685688
6	3	5492.4	6	80	1581	1226	3.991974
7	3	5492.4	6	80	1988	1908	4.405232
8	2	5492.4	6	85	1892		5.097627
9	2	5492.4	6	70	1983		5.426919
10	3	5492.4	6	75	1601	1701	6.127897
11	2	5492.4	6	55	1453		6.900696
12	3	5492.4	6	95	1164	1506	7.372917
13	2	5492.4	6	100	1510		8.643047
14	2	5492.4	6	85	1140		8.740701
15	3	5492.4	6	70	1790	1021	9.792061
16	3	5492.4	6	50	1416	1124	10.423046
17	1	5492.4	6	50			11.014101
18	1	5492.4	6	70			11.868148

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	5496.8	17	80	1095	1009	0.00388
2	2	5496.8	17	65	1025		0.632386
3	3	5496.8	17	60	1670	1194	1.799407
4	2	5496.8	17	65	1531		1.99471
5	1	5496.8	17	65			2.540603
6	3	5496.8	17	55	1782	1333	3.40566
7	2	5496.8	17	75	1735		4.360459
8	1	5496.8	17	90			4.882914
9	3	5496.8	17	55	1282	1292	5.138572
10	2	5496.8	17	70	1754		5.719893
11	1	5496.8	17	65			6.791111
12	3	5496.8	17	90	1845	1754	7.070116
13	3	5496.8	17	55	1993	1431	8.199227
14	2	5496.8	17	100	1808		8.787189
15	2	5496.8	17	75	1108		9.181985
16	3	5496.8	17	65	1946	1923	9.624189

17	1	5496.8	17	55			10.11978
18	3	5496.8	17	75	1389	1945	11.137814
19	2	5496.8	17	90	1644		11.504016

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	5496	15	95			1.205284
2	1	5496	15	80			1.500159
3	3	5496	15	100	1716	1066	3.100042
4	2	5496	15	75	1213		4.320805
5	2	5496	15	75	1996		6.180884
6	2	5496	15	95	1326		7.968987
7	1	5496	15	75			8.633354
8	2	5496	15	85	1072		9.64371
9	2	5496	15	55	1229		11.883456

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	1	5496.8	17	85			0.162273
2	3	5496.8	17	55	1011	1933	0.815033
3	3	5496.8	17	65	1979	1960	1.347903
4	2	5496.8	17	50	1965		2.240559
5	2	5496.8	17	95	1548		2.943123
6	1	5496.8	17	90			3.93534
7	2	5496.8	17	85	1791		4.351533
8	2	5496.8	17	55	1074		5.131257
9	3	5496.8	17	50	1787	1646	5.616062
10	1	5496.8	17	60			6.632017
11	3	5496.8	17	70	1297	1905	6.708136
12	3	5496.8	17	60	1814	1555	7.622957
13	1	5496.8	17	95			8.340452
14	1	5496.8	17	75			9.212524
15	2	5496.8	17	60	1148		9.357323
16	1	5496.8	17	75			10.04569
17	1	5496.8	17	60			10.692068
18	2	5496.8	17	95	1970		11.680839

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	5492.8	7	85			0.05932
2	2	5492.8	7	60	1853		1.170758
3	2	5492.8	7	55	1509		1.248183
4	2	5492.8	7	75	1403		2.315344
5	2	5492.8	7	50	1675		2.623549
6	3	5492.8	7	100	1398	1908	3.274321
7	3	5492.8	7	90	1931	1489	4.120465
8	1	5492.8	7	90			4.63127
9	3	5492.8	7	60	1892	1943	5.019183
10	3	5492.8	7	90	1351	1521	5.847211
11	2	5492.8	7	100	1304		6.302516
12	3	5492.8	7	60	1757	1278	7.052899
13	1	5492.8	7	55			7.658567
14	1	5492.8	7	75			7.886729
15	1	5492.8	7	75			8.451305
16	2	5492.8	7	85	1173		9.327432
17	3	5492.8	7	50	1195	1072	9.991693
18	1	5492.8	7	55			10.240478
19	1	5492.8	7	65			11.137213
20	1	5492.8	7	75			11.520366

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	5498	20	50	1565		0.047122
2	2	5498	20	90	1832		1.993364
3	3	5498	20	95	1981	1483	2.968258
4	3	5498	20	85	1097	1070	3.942633
5	3	5498	20	90	1824	1629	5.441359
6	3	5498	20	50	1064	1173	6.882053
7	1	5498	20	85			7.318889
8	3	5498	20	80	1175	1919	8.520678
9	1	5498	20	65			10.287815
10	1	5498	20	100			11.363269

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	5495.2	13	65			0.577408
2	3	5495.2	13	75	1930	1209	1.059121
3	1	5495.2	13	60			2.355944
4	1	5495.2	13	50			3.216031
5	3	5495.2	13	100	1372	1150	4.163354
6	3	5495.2	13	90	1854	1340	4.60461
7	3	5495.2	13	90	1900	1749	5.157093
8	2	5495.2	13	90	1640		6.012374
9	1	5495.2	13	80			7.222191
10	2	5495.2	13	80	1295		8.272236
11	3	5495.2	13	80	1060	1452	8.876048
12	2	5495.2	13	65	1884		9.589999
13	3	5495.2	13	55	1761	1386	11.043963
14	3	5495.2	13	50	1310	1978	11.810583

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	5494.8	12	95	1718		0.06641
2	2	5494.8	12	85	1666		1.060777
3	1	5494.8	12	95			2.800824
4	2	5494.8	12	100	1751		3.725592
5	3	5494.8	12	100	1415	1068	4.517601
6	2	5494.8	12	80	1956		5.113695
7	2	5494.8	12	65	1464		6.586173
8	2	5494.8	12	70	1497		7.784746
9	1	5494.8	12	90			8.111685
10	2	5494.8	12	80	1094		9.648256
11	1	5494.8	12	65			10.777119
12	3	5494.8	12	80	1474	1238	11.293096

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	1	5495.6	14	85			0.577421
2	1	5495.6	14	50			0.787842
3	3	5495.6	14	55	1393	1164	1.68039
4	1	5495.6	14	65			2.18565
5	2	5495.6	14	90	1979		2.645831
6	2	5495.6	14	95	1806		3.308145
7	3	5495.6	14	100	1769	1679	3.970402
8	2	5495.6	14	75	1826		4.976647
9	1	5495.6	14	95			5.398932
10	3	5495.6	14	75	1441	1291	6.290176
11	1	5495.6	14	85			6.759355
12	1	5495.6	14	95			7.496217
13	1	5495.6	14	85			8.045114
14	2	5495.6	14	55	1944		8.555201
15	1	5495.6	14	55			9.085322
16	2	5495.6	14	60	1843		9.700399
17	3	5495.6	14	65	1601	1085	10.317302

18	1	5495.6	14	95			11.067036
19	3	5495.6	14	50	1445	1012	11.578485

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	16	80	1468	1336	0.735423
2	1	5510	16	80			2.040876
3	2	5510	16	85	1424		4.145581
4	2	5510	16	75	1591		5.815803
5	1	5510	16	100			6.754093
6	1	5510	16	75			7.848968
7	1	5510	16	75			10.188345
8	1	5510	16	75			10.951377

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	15	55	1545		1.305002
2	1	5510	15	50			2.115815
3	3	5510	15	70	1720	1144	2.702071
4	2	5510	15	60	1012		4.996834
5	3	5510	15	55	1294	1510	6.293464
6	3	5510	15	95	1219	1991	7.662575
7	1	5510	15	60			8.38121
8	1	5510	15	90			10.050795
9	1	5510	15	70			10.796797

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	5510	12	65	1921		0.49039
2	1	5510	12	65			0.90081
3	1	5510	12	95			1.775027
4	1	5510	12	85			2.281754
5	3	5510	12	80	1660	1347	3.712458
6	2	5510	12	70	1705		3.935801
7	2	5510	12	60	1050		4.933314
8	3	5510	12	55	1307	1970	5.424956
9	3	5510	12	90	1951	1697	6.293936
10	2	5510	12	100	1344		7.401721
11	2	5510	12	50	1704		7.739325
12	2	5510	12	100	1702		8.985147
13	3	5510	12	80	1983	1123	9.666409
14	1	5510	12	50			10.236863
15	3	5510	12	95	1701	1119	10.716624
16	2	5510	12	55	1638		11.443785

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	3	5510	10	85	1750	1468	0.876457
2	3	5510	10	75	1340	1654	1.322935
3	2	5510	10	95	1020		3.037115
4	3	5510	10	55	1962	1455	3.790231
5	3	5510	10	80	1401	1035	5.278538
6	3	5510	10	90	1116	1305	6.896689
7	2	5510	10	70	1636		7.856042
8	2	5510	10	90	1552		9.443433
9	1	5510	10	100			10.463091
10	3	5510	10	75	1633	1716	11.075315

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	5510	16	60			0.003267
2	2	5510	16	85	1880		1.424148

3	1	5510	16	75			2.207555
4	1	5510	16	50			2.508997
5	3	5510	16	95	1675	1078	3.190403
6	2	5510	16	50	1483		3.798595
7	2	5510	16	75	1939		5.038491
8	1	5510	16	80			5.761711
9	3	5510	16	100	1268	1315	6.655063
10	1	5510	16	60			6.841268
11	2	5510	16	50	1110		7.979738
12	2	5510	16	70	1530		8.973013
13	1	5510	16	70			9.078034
14	3	5510	16	95	1219	1864	10.227394
15	2	5510	16	50	1580		11.154283
16	2	5510	16	55	1262		11.627181

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	1	5510	20	50			0.077969
2	2	5510	20	80	1567		1.998208
3	3	5510	20	60	1346	1306	2.799166
4	1	5510	20	100			4.050475
5	2	5510	20	85	1687		5.270578
6	1	5510	20	75			6.547137
7	2	5510	20	100	1737		7.69603
8	1	5510	20	60			9.161884
9	2	5510	20	90	1096		10.782205
10	1	5510	20	95			11.139151

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	5510	12	50			0.106519
2	1	5510	12	85			1.096636
3	2	5510	12	85	1246		1.672728
4	1	5510	12	75			2.58248
5	2	5510	12	60	1333		3.076872
6	1	5510	12	100			3.646689
7	2	5510	12	85	1821		4.633744
8	3	5510	12	75	1505	1332	5.237053
9	3	5510	12	100	1869	1272	5.66404
10	2	5510	12	70	1792		6.573227
11	3	5510	12	50	1958	1907	7.271868
12	1	5510	12	95			7.481486
13	1	5510	12	90			8.403426
14	1	5510	12	80			9.228872
15	2	5510	12	75	1016		9.757137
16	2	5510	12	75	1650		10.478069
17	2	5510	12	90	1268		10.816064
18	2	5510	12	70	1833		11.414149

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	11	75			0.977254
2	3	5510	11	75	1768	1155	1.940698
3	1	5510	11	50			3.195598
4	2	5510	11	75	1632		4.029737
5	3	5510	11	60	1045	1990	5.143991
6	2	5510	11	60	1420		6.476749
7	3	5510	11	80	1004	1045	7.074611
8	2	5510	11	55	1085		8.378055
9	1	5510	11	75			9.383535
10	2	5510	11	65	1200		10.258721
11	2	5510	11	50	1738		11.091063

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	3	5510	19	80	1970	1582	0.896939
2	2	5510	19	75	1618		1.655671
3	2	5510	19	100	1239		2.810903
4	2	5510	19	90	1271		4.894538
5	3	5510	19	55	1891	1699	5.347543
6	3	5510	19	95	1474	1243	7.080033
7	3	5510	19	55	1449	1765	9.170919
8	1	5510	19	85			10.423845
9	1	5510	19	90			11.279393

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	1	5510	5	95			0.275554
2	1	5510	5	50			0.921991
3	1	5510	5	80			1.695467
4	3	5510	5	55	1335	1722	2.322422
5	2	5510	5	60	1248		3.160011
6	1	5510	5	90			3.57686
7	3	5510	5	60	1977	1168	4.023399
8	3	5510	5	85	1432	1043	4.9381
9	2	5510	5	60	1978		5.538599
10	2	5510	5	55	1178		6.490808
11	2	5510	5	50	1915		6.876113
12	1	5510	5	55			7.514739
13	2	5510	5	80	1137		8.308943
14	2	5510	5	95	1687		8.827777
15	3	5510	5	75	1978	1650	9.976708
16	3	5510	5	95	1083	1908	10.543424
17	3	5510	5	90	1773	1102	11.21552
18	2	5510	5	75	1647		11.963266

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	5524	15	90			0.55325
2	2	5524	15	80	1427		1.185509
3	1	5524	15	60			1.825641
4	1	5524	15	60			2.567633
5	3	5524	15	55	1498	1456	3.70261
6	3	5524	15	85	1367	1680	3.762568
7	1	5524	15	65			4.680465
8	3	5524	15	80	1742	1842	5.655771
9	3	5524	15	90	1062	1427	6.543653
10	1	5524	15	95			6.814283
11	3	5524	15	50	1266	1550	7.526357
12	3	5524	15	90	1662	1782	8.430361
13	2	5524	15	50	1702		9.298565
14	2	5524	15	65	1361		9.941082
15	3	5524	15	60	1923	1929	11.150639
16	1	5524	15	65			11.631701

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	1	5522.4	19	80			0.509432
2	3	5522.4	19	100	1511	1268	1.494864
3	2	5522.4	19	90	1440		1.616542
4	2	5522.4	19	50	1171		2.964695
5	1	5522.4	19	60			3.381733
6	3	5522.4	19	95	1485	1908	4.28046
7	2	5522.4	19	95	1420		4.576976

8	3	5522.4	19	95	1775	1290	5.709243
9	2	5522.4	19	95	1293		6.340935
10	3	5522.4	19	75	1415	1390	7.240622
11	1	5522.4	19	55			8.220654
12	2	5522.4	19	75	1426		8.313682
13	2	5522.4	19	70	1966		9.629765
14	1	5522.4	19	90			9.883891
15	1	5522.4	19	80			11.196479
16	3	5522.4	19	70	1618	1946	11.405402

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	1	5526.8	8	95			0.651115
2	1	5526.8	8	55			0.79185
3	2	5526.8	8	100	1593		1.67469
4	2	5526.8	8	50	1276		2.144395
5	2	5526.8	8	70	1270		3.212738
6	3	5526.8	8	100	1352	1658	3.800937
7	2	5526.8	8	70	1931		4.008769
8	3	5526.8	8	65	1133	1124	5.085085
9	1	5526.8	8	95			5.644703
10	1	5526.8	8	70			6.037143
11	2	5526.8	8	85	1845		7.2149
12	1	5526.8	8	65			7.823814
13	1	5526.8	8	80			8.169489
14	2	5526.8	8	90	1768		8.809527
15	1	5526.8	8	85			9.708393
16	2	5526.8	8	100	1592		10.507522
17	1	5526.8	8	85			11.026274
18	2	5526.8	8	95	1833		11.507174

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	5524.8	13	85			0.36418
2	1	5524.8	13	80			0.932338
3	3	5524.8	13	100	1130	1860	2.4133
4	3	5524.8	13	80	1679	1163	3.136739
5	2	5524.8	13	75	1571		4.23553
6	3	5524.8	13	60	1712	1882	4.882176
7	3	5524.8	13	90	1692	1131	5.721083
8	3	5524.8	13	65	1332	1957	6.226613
9	1	5524.8	13	75			7.707496
10	3	5524.8	13	65	1704	1881	8.197751
11	1	5524.8	13	95			8.918648
12	1	5524.8	13	90			9.80472
13	1	5524.8	13	100			10.64918
14	3	5524.8	13	85	1164	1433	11.771663

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	5526.4	9	65	1968	1388	0.049852
2	1	5526.4	9	80			0.830376
3	3	5526.4	9	85	1039	1752	1.668219
4	3	5526.4	9	50	1580	1871	2.366279
5	1	5526.4	9	60			3.091116
6	3	5526.4	9	95	1006	1331	3.98196
7	3	5526.4	9	95	1073	1102	4.625979
8	2	5526.4	9	70	1541		4.712114
9	2	5526.4	9	70	1593		5.509268
10	2	5526.4	9	70	1736		6.360194
11	1	5526.4	9	100			7.141835
12	3	5526.4	9	75	1798	1480	7.444264

13	2	5526.4	9	85	1585		8.637126
14	1	5526.4	9	95			9.118642
15	1	5526.4	9	95			9.659035
16	1	5526.4	9	50			10.153852
17	3	5526.4	9	55	1110	1151	10.870242
18	2	5526.4	9	60	1273		11.827665

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	1	5522.4	19	100			0.286756
2	1	5522.4	19	65			1.614814
3	3	5522.4	19	60	1940	1202	2.777536
4	1	5522.4	19	55			4.094877
5	3	5522.4	19	85	1548	1988	5.375647
6	1	5522.4	19	90			6.479708
7	3	5522.4	19	100	1622	1028	6.762879
8	1	5522.4	19	100			7.771776
9	3	5522.4	19	75	1325	1051	9.120088
10	3	5522.4	19	90	1801	1273	10.867029
11	2	5522.4	19	85	1063		11.619106

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	5524	15	55	1872		0.02761
2	2	5524	15	100	1243		0.725204
3	2	5524	15	85	1981		1.820349
4	3	5524	15	80	1027	1640	2.466919
5	2	5524	15	65	1706		3.098855
6	3	5524	15	85	1262	1592	3.701066
7	1	5524	15	75			3.790754
8	1	5524	15	55			4.841665
9	2	5524	15	100	1404		5.570959
10	3	5524	15	70	1229	1244	5.865527
11	1	5524	15	70			6.828417
12	3	5524	15	55	1928	1774	7.064977
13	3	5524	15	90	1103	1466	7.884972
14	1	5524	15	65			8.816988
15	1	5524	15	75			8.876613
16	2	5524	15	85	1185		9.90624
17	1	5524	15	65			10.716955
18	2	5524	15	70	1360		11.128438
19	3	5524	15	70	1670	1188	11.372941

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	2	5523.6	16	90	1484		0.931549
2	2	5523.6	16	50	1015		2.559135
3	2	5523.6	16	90	1098		3.590596
4	3	5523.6	16	80	1662	1049	4.232296
5	2	5523.6	16	55	1237		5.912536
6	2	5523.6	16	100	1611		7.70197
7	3	5523.6	16	90	1332	1396	8.217754
8	3	5523.6	16	75	1103	1180	9.487844
9	2	5523.6	16	60	1187		11.95458

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	5524	15	60	1620		0.33517
2	1	5524	15	100			1.146768
3	2	5524	15	65	1791		1.767802
4	1	5524	15	80			2.605696
5	1	5524	15	85			3.133869

6	1	5524	15	95			4.490781
7	2	5524	15	55	1090		5.029
8	3	5524	15	55	1543	1616	5.71975
9	3	5524	15	95	1172	1758	6.494821
10	3	5524	15	70	1613	1061	7.283697
11	3	5524	15	80	1247	1266	7.909875
12	1	5524	15	95			8.813961
13	2	5524	15	95	1054		9.700132
14	2	5524	15	85	1450		10.048572
15	2	5524	15	100	1788		11.192557
16	1	5524	15	100			11.991384

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	5524.8	13	60	1174		0.572222
2	2	5524.8	13	65	1248		1.649237
3	3	5524.8	13	85	1917	1075	3.06422
4	2	5524.8	13	65	1953		3.73419
5	3	5524.8	13	100	1610	1757	5.285234
6	1	5524.8	13	70			6.146076
7	2	5524.8	13	90	1730		7.095574
8	1	5524.8	13	70			7.850845
9	2	5524.8	13	60	1272		9.719085
10	1	5524.8	13	75			10.351831
11	2	5524.8	13	75	1595		11.798234

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

Channel 5510MHz, 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)
22	5522	66
28	5504	84
31	5516	93
36	5529	108
46	5509	138
59	5502	177
84	5505	252
86	5500	258
87	5491	261

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
10	5504	30
26	5513	78
31	5519	93
88	5503	264
93	5496	279
98	5499	294
99	5527	297

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
0	5511	0
8	5516	24
28	5526	84
59	5493	177
66	5498	198
69	5507	207

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
9	5507	27
67	5509	201
79	5517	237
98	5522	294

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
0	5494	0
15	5517	45
21	5502	63
28	5521	84
47	5500	141
60	5525	180
66	5522	198
67	5515	201
68	5507	204
82	5512	246

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
17	5493	51
37	5503	111
42	5512	126
46	5514	138
47	5517	141
64	5491	192
70	5519	210
79	5522	237
93	5527	279

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
4	5509	12
22	5526	66
30	5514	90

65	5518	195
71	5525	213
87	5512	261
95	5519	285
98	5505	294

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
6	5491	18
7	5519	21
13	5517	39
25	5492	75
30	5515	90
32	5509	96
38	5522	114
50	5527	150
62	5510	186
84	5501	252
86	5524	258
92	5502	276
99	5511	297

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
2	5521	6
27	5504	81
34	5525	102
44	5508	132
65	5528	195
80	5524	240
88	5495	264
92	5501	276

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
17	5526	51
39	5507	117
42	5518	126
46	5503	138
53	5508	159
91	5504	273
97	5529	291

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
12	5494	36
30	5499	90
65	5515	195
70	5527	210

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
20	5518	60
30	5494	90
41	5492	123
56	5511	168
92	5502	276
98	5512	294

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
5	5501	15
10	5497	30
11	5493	33
26	5527	78
46	5513	138
52	5500	156
55	5498	165
57	5529	171

74	5507	222
75	5517	225

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
19	5521	57
21	5524	63
27	5502	81
32	5512	96
41	5509	123
71	5493	213
81	5503	243
86	5514	258
91	5500	273

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
10	5527	30
25	5501	75
36	5491	108
41	5525	123
61	5519	183
62	5504	186
67	5528	201
69	5518	207
75	5523	225

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
14	5523	42
17	5522	51
36	5518	108
50	5527	150
67	5512	201
85	5507	255
95	5525	285

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
0	5495	0
2	5500	6
8	5518	24
24	5497	72
56	5515	168
90	5528	270
98	5526	294

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
3	5527	9
8	5505	24
13	5506	39
16	5514	48
18	5498	54
31	5516	93
36	5497	108
64	5509	192

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
14	5498	42
15	5505	45
22	5496	66
32	5497	96
43	5509	129
52	5500	156
59	5493	177
62	5518	186
76	5526	228

77	5523	231

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
15	5514	45
29	5508	87
31	5519	93
57	5502	171
74	5518	222
90	5496	270
92	5506	276

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
11	5502	33
19	5514	57
35	5496	105
59	5500	177
64	5513	192
65	5528	195
77	5510	231
82	5508	246
93	5521	279

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
20	5500	60
44	5502	132
66	5498	198
67	5499	201
72	5503	216
88	5507	264

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
18	5497	54
29	5498	87
34	5503	102
51	5516	153
69	5517	207
75	5528	225
84	5495	252
90	5501	270
91	5520	273
94	5511	282

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
1	5495	3
20	5509	60
32	5518	96
45	5513	135
58	5508	174
59	5514	177
62	5493	186
76	5507	228
81	5524	243
88	5517	264
91	5521	273
92	5500	276

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
13	5520	39
16	5518	48
36	5493	108
46	5501	138
63	5500	189
65	5529	195

75	5525	225
85	5499	255
96	5519	288

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
3	5495	9
4	5497	12
9	5520	27
12	5517	36
16	5502	48
42	5504	126
49	5522	147
70	5524	210
83	5527	249
96	5523	288

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
1	5528	3
7	5511	21
9	5501	27
36	5499	108
50	5494	150
52	5503	156
60	5505	180
86	5502	258
91	5517	273
95	5519	285

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
9	5516	27
24	5509	72
32	5517	96
56	5525	168
80	5505	240
85	5527	255

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
26	5519	78
49	5527	147
56	5524	168
79	5503	237
88	5492	264
93	5523	279

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
40	5497	120
41	5521	123
47	5510	141
71	5515	213
72	5524	216

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

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	86	1	618	1	96.7%	60.0%
2	5494	86	1	618	1		
3	5494	92	1	578	1		
4	5494	70	1	758	1		
5	5494	92	1	578	1		
6	5500	83	1	638	1		
7	5500	62	1	858	1		
8	5500	62	1	858	1		
9	5500	99	1	538	1		
10	5520	86	1	618	1		
11	5520	81	1	658	1		
12	5520	81	1	658	1		
13	5520	61	1	878	1		
14	5530	78	1	678	1		
15	5530	63	1	838	1		
16	5530	26	1	2074	1		
17	5530	22	1	2484	1		
18	5530	19	1	2829	1		
19	5540	101	1	526	1		
20	5540	35	1	1513	1		
21	5540	98	1	543	1		
22	5540	29	1	1845	1		
23	5560	22	1	2421	1		
24	5560	100	1	530	1		
25	5560	54	1	985	1		
26	5560	18	1	3010	0		
27	5566	82	1	645	1		
28	5566	21	1	2608	1		
29	5566	22	1	2448	1		
30	5566	19	1	2918	1		

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

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	27	3.4	204	1	63.3%	60.0%
2	5494	26	3.2	218	0		
3	5494	24	3.2	182	0		
4	5494	24	1.4	218	1		
5	5494	29	3.6	179	1		
6	5500	28	2.2	165	0		
7	5500	23	4.9	224	0		
8	5500	24	3.7	182	1		
9	5500	26	1	227	1		
10	5520	25	2.5	193	0		
11	5520	26	1.1	230	0		
12	5520	29	2.3	180	1		
13	5520	26	1.5	180	1		
14	5530	26	1.9	163	1		
15	5530	25	2.9	220	0		
16	5530	27	1.6	189	1		
17	5530	26	2.6	200	1		
18	5530	25	3.9	161	1		
19	5540	26	4.5	172	0		
20	5540	29	4.7	192	1		
21	5540	25	4.1	160	0		
22	5540	24	2.2	153	1		
23	5560	26	3.4	203	1		
24	5560	28	3	220	1		
25	5560	27	1	215	1		
26	5560	24	3.5	225	0		
27	5566	24	1.1	187	1		
28	5566	25	4.3	217	1		
29	5566	28	4.7	230	1		
30	5566	23	1.8	190	0		

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

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	18	7.2	223	1	80.0%	60.0%
2	5494	18	6.7	420	1		
3	5494	16	6.6	280	1		
4	5494	18	7.8	395	1		
5	5494	18	8.9	371	1		
6	5500	18	6.5	383	1		
7	5500	16	9.1	460	1		
8	5500	17	7.4	334	0		
9	5500	16	8.7	462	1		
10	5520	18	7.7	412	1		
11	5520	16	6.9	446	0		
12	5520	16	6.4	440	0		
13	5520	18	7	456	1		
14	5530	18	7	373	1		
15	5530	18	9.6	497	1		
16	5530	16	9.7	206	1		
17	5530	17	7.3	368	1		
18	5530	16	6.1	251	1		
19	5540	18	6.7	233	0		
20	5540	16	6	336	0		
21	5540	18	7.7	479	1		
22	5540	16	7.2	344	1		
23	5560	17	10	345	1		
24	5560	17	6.3	292	1		
25	5560	16	8	363	0		
26	5560	16	8.4	481	1		
27	5566	18	9.5	247	1		
28	5566	16	8	496	1		
29	5566	18	9.5	232	1		
30	5566	16	7	322	1		

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

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	12	19.1	227	0		
2	5494	14	19.6	484	0		
3	5494	15	11.4	227	1		
4	5494	12	18.2	358	1		
5	5494	15	16.8	463	1		
6	5500	12	11.6	373	1		
7	5500	15	18.4	455	1		
8	5500	15	14.8	223	1		
9	5500	12	17.2	281	1		
10	5520	15	15.4	436	1		
11	5520	13	13	201	1		
12	5520	14	13.3	395	1		
13	5520	13	12.8	346	1		
14	5530	14	19.5	334	1		
15	5530	16	16.1	390	1		
16	5530	15	17.7	344	1	90.0%	60.0%
17	5530	16	12.6	276	1		
18	5530	16	16.1	454	1		
19	5540	13	14.4	396	1		
20	5540	15	13.6	347	1		
21	5540	12	17.2	314	0		
22	5540	14	12.5	208	1		
23	5560	12	13.3	382	1		
24	5560	12	14.8	309	1		
25	5560	15	18.3	437	1		
26	5560	12	17.9	446	1		
27	5566	13	13.6	491	1		
28	5566	14	19.2	343	1		
29	5566	14	16.8	340	1		
30	5566	12	12.8	226	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:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4}$$ = (96.7%+63.0%+80%+90.0%)/4 = 82.4% (>80%)

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

Channel 5530 MHz, 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	83.3%	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	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	0		
23	USA Bin 5 Radar Test 23	0		
24	USA Bin 5 Radar Test 24	0		
25	USA Bin 5 Radar Test 25	0		
26	USA Bin 5 Radar Test 26	1		
27	USA Bin 5 Radar Test 27	1		
28	USA Bin 5 Radar Test 28	0		
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	3	5497.6	19	100	1070	1101	0.594063
2	1	5497.6	19	60			0.981502
3	2	5497.6	19	65	1621		1.894752
4	1	5497.6	19	100			2.971615
5	1	5497.6	19	75			3.213842
6	3	5497.6	19	65	1960	1329	4.586402
7	3	5497.6	19	50	1807	1636	4.881845
8	1	5497.6	19	70			6.114108
9	2	5497.6	19	50	1065		6.559424
10	2	5497.6	19	50	1412		7.468753
11	1	5497.6	19	60			8.185817
12	1	5497.6	19	75			8.864022
13	2	5497.6	19	80	1997		10.174604
14	2	5497.6	19	55	1541		10.562281
15	3	5497.6	19	65	1820	1893	11.874159

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	5495.6	14	85			0.322137
2	1	5495.6	14	55			0.760903
3	1	5495.6	14	75			1.474868
4	3	5495.6	14	60	1705	1910	2.150628
5	1	5495.6	14	55			2.849775
6	1	5495.6	14	70			3.860163
7	1	5495.6	14	50			4.76173
8	2	5495.6	14	75	1256		4.94211
9	2	5495.6	14	50	1882		5.712646
10	2	5495.6	14	90	1296		6.409506
11	3	5495.6	14	55	1621	1356	7.116157
12	2	5495.6	14	70	1660		7.887304
13	2	5495.6	14	90	1536		8.823484
14	3	5495.6	14	50	2000	1670	9.314275
15	2	5495.6	14	85	1784		10.006354
16	1	5495.6	14	95			11.042831
17	3	5495.6	14	90	1920	1747	11.71954

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	5497.6	19	60	1853	1166	0.031418
2	1	5497.6	19	100			1.349474
3	3	5497.6	19	60	1654	1053	1.635687
4	1	5497.6	19	60			2.800388
5	2	5497.6	19	75	1993		3.458295
6	2	5497.6	19	95	1093		4.753859
7	3	5497.6	19	65	1683	1077	4.938688
8	2	5497.6	19	70	1917		5.678537
9	2	5497.6	19	70	1947		6.585449
10	2	5497.6	19	70	1804		7.734992
11	2	5497.6	19	60	1279		8.421891
12	2	5497.6	19	55	2000		9.294738
13	3	5497.6	19	50	1507	1826	10.194327
14	3	5497.6	19	100	1860	1111	10.563031
15	1	5497.6	19	85			11.549254

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	5497.6	19	90	1552	0.356583
2	1	5497.6	19	65		0.946428
3	1	5497.6	19	55		1.716332

4	3	5497.6	19	85	1303	1216	2.294709
5	2	5497.6	19	80	1936		2.678043
6	2	5497.6	19	60	1929		3.430856
7	1	5497.6	19	80			3.776045
8	1	5497.6	19	90			4.383939
9	1	5497.6	19	65			5.120075
10	1	5497.6	19	90			5.959642
11	2	5497.6	19	50	1973		6.565843
12	3	5497.6	19	65	1925	1122	6.699413
13	2	5497.6	19	95	1930		7.675962
14	2	5497.6	19	55	1536		7.970794
15	2	5497.6	19	90	1878		8.655649
16	2	5497.6	19	60	1921		9.051007
17	3	5497.6	19	65	1628	1713	9.932149
18	1	5497.6	19	60			10.739866
19	3	5497.6	19	75	1585	1867	11.106606
20	3	5497.6	19	95	1719	1114	11.415741

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	1	5494.4	11	65			0.92212
2	1	5494.4	11	75			1.537855
3	2	5494.4	11	75	1142		2.87018
4	1	5494.4	11	85			3.914226
5	2	5494.4	11	50	1635		4.205955
6	3	5494.4	11	70	1650	1279	5.561911
7	2	5494.4	11	80	1497		6.682971
8	3	5494.4	11	85	1531	1813	7.784609
9	3	5494.4	11	90	1407	1228	8.933882
10	2	5494.4	11	55	1493		9.292721
11	1	5494.4	11	80			10.90093
12	3	5494.4	11	75	1487	1004	11.650747

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	3	5498	20	60	1189	1262	0.516378
2	3	5498	20	60	1858	1932	1.443728
3	3	5498	20	85	1516	1419	2.486978
4	3	5498	20	70	1362	1810	4.35361
5	2	5498	20	80	1318		5.836495
6	1	5498	20	55			6.416938
7	3	5498	20	70	1826	1766	8.323468
8	3	5498	20	100	1117	1301	9.457206
9	1	5498	20	65			10.384821
10	2	5498	20	75	1858		11.062923

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	5497.2	18	85	1175		0.486572
2	2	5497.2	18	70	1184		0.765977
3	3	5497.2	18	90	1473	1125	1.59146
4	3	5497.2	18	90	1277	1059	2.285863
5	1	5497.2	18	100			2.855624
6	2	5497.2	18	80	1039		3.670369
7	2	5497.2	18	60	1081		4.258917
8	2	5497.2	18	60	1378		5.244463
9	3	5497.2	18	60	1706	1959	5.804973
10	2	5497.2	18	80	1228		6.893746
11	1	5497.2	18	65			7.76388
12	1	5497.2	18	100			8.273096
13	3	5497.2	18	65	1550	1568	8.940337
14	2	5497.2	18	80	1091		9.715396

15	1	5497.2	18	50			10.267432
16	3	5497.2	18	60	1765	1096	10.626647
17	2	5497.2	18	80	1111		11.368355

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	5492.4	6	65			0.031968
2	3	5492.4	6	95	1870	1841	1.294859
3	1	5492.4	6	75			2.445609
4	2	5492.4	6	95	1516		3.491283
5	1	5492.4	6	85			3.798597
6	1	5492.4	6	100			5.459134
7	1	5492.4	6	95			5.688885
8	3	5492.4	6	60	1969	1634	6.979657
9	3	5492.4	6	80	1167	1442	7.730735
10	2	5492.4	6	95	1049		8.480671
11	2	5492.4	6	65	1519		9.476569
12	1	5492.4	6	60			10.262575
13	1	5492.4	6	65			11.523842

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	5496.4	16	100	1101	1573	1.044026
2	1	5496.4	16	80			1.909366
3	1	5496.4	16	90			2.801517
4	2	5496.4	16	60	1013		4.196355
5	1	5496.4	16	75			5.037005
6	2	5496.4	16	55	1382		5.845544
7	2	5496.4	16	75	1708		6.693151
8	3	5496.4	16	85	1686	1560	7.876058
9	3	5496.4	16	70	1047	1227	9.242179
10	1	5496.4	16	80			9.831914
11	2	5496.4	16	55	1544		11.639633

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	5496.8	17	55	1962		0.733771
2	3	5496.8	17	50	1424	1131	1.495247
3	3	5496.8	17	70	1653	1850	2.745642
4	1	5496.8	17	70			3.770388
5	2	5496.8	17	60	1979		4.632537
6	3	5496.8	17	100	1266	1153	5.787547
7	3	5496.8	17	70	1410	1399	7.234122
8	2	5496.8	17	75	1247		7.813062
9	3	5496.8	17	70	1247	1166	8.850478
10	3	5496.8	17	60	1128	1637	9.989684
11	3	5496.8	17	55	1531	1375	11.008729

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	12	70	1415		0.771847
2	2	5530	12	85	1523		1.123608
3	3	5530	12	100	1850	1957	2.399087
4	1	5530	12	75			2.967938
5	1	5530	12	95			4.138875
6	3	5530	12	65	1520	1248	4.72258
7	3	5530	12	100	1341	1622	6.122883
8	2	5530	12	85	1824		7.096
9	2	5530	12	75	1656		7.96633
10	2	5530	12	50	1111		8.343556
11	3	5530	12	55	1137	1223	9.829075
12	2	5530	12	100	1307		10.79932

13	3	5530	12	80	1997	1559	11.84557

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	3	5530	14	100	1795	1903	0.174775
2	3	5530	14	70	1818	1568	1.590959
3	1	5530	14	90			3.143032
4	2	5530	14	60	1259		3.810727
5	2	5530	14	75	1907		5.614373
6	2	5530	14	55	1917		6.913489
7	3	5530	14	80	1597	1001	8.297668
8	1	5530	14	60			9.077063
9	1	5530	14	70			9.745567
10	1	5530	14	70			11.515771

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	17	80			0.347877
2	2	5530	17	95	1829		1.323345
3	2	5530	17	60	1031		1.986192
4	2	5530	17	65	1052		2.953053
5	3	5530	17	80	1820	1364	3.868326
6	1	5530	17	60			4.854158
7	2	5530	17	55	1010		5.691575
8	2	5530	17	55	1679		7.073415
9	1	5530	17	100			8.117706
10	1	5530	17	70			8.488867
11	1	5530	17	95			9.291505
12	3	5530	17	70	1948	1426	10.62461
13	2	5530	17	95	1225		11.949082

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	3	5530	16	55	1176	1692	1.037741
2	2	5530	16	75	1878		2.535487
3	2	5530	16	65	1976		3.297333
4	2	5530	16	85	1154		4.757457
5	2	5530	16	70	1541		6.02121
6	2	5530	16	75	1215		7.914366
7	2	5530	16	100	1012		9.993968
8	1	5530	16	75			10.806959

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	5530	5	85			0.091783
2	1	5530	5	80			1.997675
3	2	5530	5	90	1102		2.114538
4	2	5530	5	100	1537		3.493048
5	2	5530	5	70	1864		4.148194
6	2	5530	5	50	1785		5.656058
7	3	5530	5	50	1626	1418	6.740235
8	1	5530	5	50			7.39087
9	3	5530	5	75	1548	1263	8.017138
10	3	5530	5	70	1642	1357	9.216314
11	1	5530	5	90			10.690188
12	3	5530	5	100	1117	1690	11.812606

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	5530	18	55	1739		0.219311
2	2	5530	18	70	1974		1.013868
3	3	5530	18	80	1037	1507	1.448284

4	3	5530	18	80	1641	1030	2.224757
5	1	5530	18	90			2.775162
6	1	5530	18	80			3.220852
7	3	5530	18	55	1212	1928	4.132135
8	1	5530	18	55			5.025362
9	3	5530	18	95	1836	1947	5.614641
10	3	5530	18	100	1678	1368	5.686899
11	1	5530	18	95			6.38912
12	3	5530	18	75	1496	1004	7.36148
13	2	5530	18	65	1035		7.868694
14	2	5530	18	55	1112		8.369009
15	1	5530	18	65			9.16083
16	1	5530	18	65			9.857393
17	1	5530	18	75			10.702611
18	3	5530	18	50	1402	1001	11.141871
19	3	5530	18	85	1616	1799	11.606471

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	5530	5	55	1474	1678	0.493253
2	1	5530	5	80			1.561483
3	2	5530	5	65	1032		2.047864
4	3	5530	5	75	1994	1571	3.494065
5	1	5530	5	100			4.180342
6	2	5530	5	90	1002		4.978035
7	3	5530	5	100	1733	1538	6.108464
8	1	5530	5	55			6.659661
9	1	5530	5	95			8.015003
10	3	5530	5	55	1910	1392	8.753739
11	3	5530	5	90	1852	1992	10.046684
12	2	5530	5	50	1438		10.855049
13	1	5530	5	50			11.937724

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	2	5530	5	55	1895		0.554907
2	3	5530	5	85	1028	1298	0.802224
3	2	5530	5	85	1790		1.673884
4	2	5530	5	50	1860		1.87048
5	3	5530	5	70	1689	1234	2.569407
6	1	5530	5	50			3.550729
7	1	5530	5	50			3.600729
8	2	5530	5	90	1756		4.590539
9	1	5530	5	80			5.399165
10	2	5530	5	65	1899		5.454219
11	2	5530	5	80	1373		6.410904
12	3	5530	5	90	1475	1288	7.127977
13	3	5530	5	100	1549	1983	7.20173
14	1	5530	5	100			7.909014
15	2	5530	5	50	1781		8.892273
16	3	5530	5	90	1609	1307	9.486012
17	1	5530	5	90			10.003072
18	2	5530	5	85	1245		10.423966
19	2	5530	5	90	1858		11.06744
20	3	5530	5	80	1037	1941	11.804285

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	10	85	1237		0.576558
2	1	5530	10	100			0.847887
3	1	5530	10	100			1.82512
4	3	5530	10	65	1169	1003	2.481683

5	1	5530	10	60			2.821873
6	3	5530	10	95	1009	1997	3.550708
7	2	5530	10	50	1330		4.270497
8	2	5530	10	100	1403		5.196823
9	3	5530	10	100	1861	1054	5.753011
10	1	5530	10	90			6.355798
11	3	5530	10	100	1318	1757	7.101387
12	3	5530	10	90	1331	1942	7.50205
13	1	5530	10	60			8.42679
14	1	5530	10	90			8.970678
15	3	5530	10	50	1609	1575	9.923743
16	1	5530	10	65			10.051029
17	3	5530	10	95	1071	1287	11.172094
18	2	5530	10	60	1509		11.664761

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	3	5530	8	60	1019	1756	0.019929
2	3	5530	8	70	1381	1417	1.435102
3	3	5530	8	70	1159	1432	1.737249
4	3	5530	8	55	1855	1842	2.832015
5	3	5530	8	65	1972	1509	3.527029
6	2	5530	8	60	1403		3.813113
7	2	5530	8	90	1389		4.911371
8	3	5530	8	90	1352	1775	5.510607
9	2	5530	8	95	1320		6.007902
10	1	5530	8	100			7.491206
11	3	5530	8	80	1180	1418	7.579857
12	2	5530	8	100	1844		8.331602
13	1	5530	8	95			9.54076
14	2	5530	8	95	1023		10.497696
15	3	5530	8	90	1453	1087	11.125744
16	3	5530	8	70	1367	1122	11.719754

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	5562	20	100	1538		0.259009
2	1	5562	20	100			0.780231
3	2	5562	20	75	1716		1.496162
4	1	5562	20	60			2.391537
5	1	5562	20	65			2.670705
6	2	5562	20	55	1550		3.315589
7	3	5562	20	80	1615	1964	4.380863
8	2	5562	20	85	1103		4.644888
9	1	5562	20	80			5.430163
10	1	5562	20	95			6.190157
11	2	5562	20	95	1354		6.441044
12	1	5562	20	90			7.526901
13	2	5562	20	55	1957		7.743879
14	2	5562	20	90	1749		8.236224
15	2	5562	20	75	1184		9.44533
16	2	5562	20	90	1661		9.88089
17	1	5562	20	90			10.720279
18	1	5562	20	100			10.804269
19	3	5562	20	100	1252	1746	11.838118

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	5564.4	14	75	1884	1919	0.556023
2	2	5564.4	14	100	1812		1.001975
3	2	5564.4	14	75	1669		2.237658
4	2	5564.4	14	65	1006		2.811725

5	2	5564.4	14	100	1160		3.929883
6	2	5564.4	14	55	1227		4.504404
7	3	5564.4	14	80	1094	1150	5.311744
8	1	5564.4	14	65			5.74749
9	3	5564.4	14	60	1662	1006	7.094916
10	3	5564.4	14	100	1009	1670	7.996269
11	1	5564.4	14	80			8.6328
12	1	5564.4	14	75			9.033086
13	1	5564.4	14	60			9.762348
14	2	5564.4	14	80	1436		10.494481
15	3	5564.4	14	65	1333	1853	11.78373

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	5566.8	8	50	1049		0.551523
2	1	5566.8	8	55			0.937079
3	2	5566.8	8	90	1909		1.575539
4	2	5566.8	8	80	1881		2.360127
5	3	5566.8	8	50	1425	1325	2.810446
6	2	5566.8	8	70	1597		3.369919
7	3	5566.8	8	55	1851	1401	4.01348
8	2	5566.8	8	85	1470		4.767677
9	1	5566.8	8	90			5.086851
10	1	5566.8	8	50			5.70852
11	3	5566.8	8	80	1076	1779	6.410386
12	2	5566.8	8	90	1960		7.143232
13	1	5566.8	8	60			7.783055
14	1	5566.8	8	95			8.753085
15	2	5566.8	8	80	1372		8.958657
16	2	5566.8	8	60	1411		9.576082
17	3	5566.8	8	55	1873	1657	10.372274
18	2	5566.8	8	70	1554		11.282641
19	3	5566.8	8	85	1383	1255	11.631774

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	3	5565.2	12	70	1412	1855	0.054065
2	1	5565.2	12	55			1.046848
3	2	5565.2	12	50	1726		1.377721
4	3	5565.2	12	95	1545	1561	2.321585
5	3	5565.2	12	85	1128	1676	2.639581
6	1	5565.2	12	65			3.226934
7	2	5565.2	12	70	1607		3.938759
8	2	5565.2	12	55	1677		4.322597
9	1	5565.2	12	55			5.108647
10	3	5565.2	12	65	1497	1658	5.884856
11	3	5565.2	12	50	1152	1454	6.099096
12	2	5565.2	12	80	1323		6.816056
13	3	5565.2	12	60	1502	1093	7.479752
14	1	5565.2	12	90			8.173966
15	1	5565.2	12	60			8.801817
16	2	5565.2	12	75	1920		9.044181
17	2	5565.2	12	90	1197		9.972241
18	1	5565.2	12	90			10.620682
19	2	5565.2	12	75	1606		10.806098
20	2	5565.2	12	100	1394		11.544521

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	5563.2	17	70			0.843574
2	3	5563.2	17	85	1204	1510	1.140901
3	3	5563.2	17	70	1821	1608	3.055297

4	2	5563.2	17	65	1359		4.225886
5	1	5563.2	17	95			4.631732
6	3	5563.2	17	75	1154	1730	5.987435
7	3	5563.2	17	50	1051	1627	6.657229
8	1	5563.2	17	85			8.259695
9	3	5563.2	17	95	1229	1456	9.057405
10	1	5563.2	17	50			10.219705
11	1	5563.2	17	75			11.273679

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	1	5568	5	100			0.139507
2	2	5568	5	65	1331		1.061648
3	1	5568	5	85			1.563996
4	1	5568	5	65			2.027227
5	1	5568	5	75			2.543751
6	1	5568	5	55			3.393754
7	3	5568	5	65	1215	1949	4.381487
8	2	5568	5	50	1216		4.517486
9	3	5568	5	50	1127	1972	5.088747
10	1	5568	5	80			6.085624
11	1	5568	5	100			6.366045
12	2	5568	5	80	1368		7.466213
13	1	5568	5	65			7.93169
14	2	5568	5	95	1320		8.820214
15	1	5568	5	55			9.446675
16	3	5568	5	75	1144	1430	9.704062
17	2	5568	5	50	1969		10.469544
18	3	5568	5	85	1994	1733	11.286109
19	3	5568	5	60	1746	1222	11.735544

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	5564.4	14	50	1435		0.60566
2	3	5564.4	14	95	1128	1500	1.523816
3	2	5564.4	14	95	1505		2.31325
4	2	5564.4	14	95	1242		2.883232
5	3	5564.4	14	90	1540	1300	3.726543
6	1	5564.4	14	85			4.778901
7	3	5564.4	14	80	1928	1603	5.202948
8	3	5564.4	14	75	1936	1007	5.721758
9	3	5564.4	14	75	1366	1318	6.89366
10	3	5564.4	14	90	1686	1873	7.955263
11	3	5564.4	14	85	1654	1442	8.409491
12	3	5564.4	14	50	1766	1431	9.511308
13	1	5564.4	14	50			10.126078
14	1	5564.4	14	70			11.174349
15	1	5564.4	14	90			11.54218

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	3	5565.6	11	95	1795	1166	0.123747
2	3	5565.6	11	70	1183	1718	0.809712
3	3	5565.6	11	80	1563	1441	1.858096
4	1	5565.6	11	100			2.385767
5	3	5565.6	11	60	1071	1594	3.09473
6	2	5565.6	11	80	1736		3.584974
7	3	5565.6	11	50	1023	1159	4.568629
8	1	5565.6	11	65			4.744732
9	2	5565.6	11	80	1580		5.578774
10	1	5565.6	11	100			6.00018
11	2	5565.6	11	50	1273		6.928458

12	3	5565.6	11	50	1138	1834	7.994787
13	2	5565.6	11	80	1375		8.078943
14	2	5565.6	11	85	1147		9.070555
15	3	5565.6	11	80	1150	1179	9.512963
16	3	5565.6	11	55	1021	1087	10.443901
17	2	5565.6	11	100	1778		10.995833
18	3	5565.6	11	90	1956	1268	11.926813

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	5568	5	85	1281		0.131492
2	1	5568	5	55			0.842814
3	3	5568	5	60	1968	1200	1.564171
4	2	5568	5	90	1145		2.111297
5	1	5568	5	90			2.482812
6	2	5568	5	70	1298		3.372212
7	2	5568	5	65	1193		3.656968
8	2	5568	5	65	1460		4.480937
9	3	5568	5	55	1954	1579	5.015736
10	1	5568	5	55			5.470851
11	2	5568	5	95	1933		6.398424
12	3	5568	5	70	1622	1632	6.815328
13	1	5568	5	50			7.709084
14	3	5568	5	60	1343	1544	8.050357
15	1	5568	5	85			8.543186
16	2	5568	5	75	1986		9.59032
17	3	5568	5	70	1920	1801	10.059638
18	2	5568	5	70	1517		10.364975
19	2	5568	5	90	1928		10.93051
20	1	5568	5	85			11.962971

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	5566.8	8	100	1704		0.539644
2	2	5566.8	8	50	1626		1.126522
3	3	5566.8	8	70	1722	1202	2.471205
4	1	5566.8	8	50			3.991079
5	3	5566.8	8	75	1495	1169	4.366725
6	3	5566.8	8	65	1805	1005	5.355547
7	3	5566.8	8	70	1073	1622	6.047192
8	1	5566.8	8	55			7.084495
9	3	5566.8	8	65	1805	1371	8.429333
10	1	5566.8	8	70			9.838792
11	3	5566.8	8	65	1441	1821	10.862029
12	1	5566.8	8	95			11.023516

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

Channel 5530MHz, 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)
5	5508	15
9	5523	27
10	5542	30
13	5559	39
15	5564	45
53	5561	159
68	5539	204
72	5562	216
75	5555	225
76	5526	228
83	5491	249
84	5497	252
93	5553	279
95	5566	285

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
9	5566	27
14	5491	42
18	5562	54
21	5541	63
22	5563	66
30	5552	90
37	5522	111
38	5530	114
46	5512	138
52	5549	156
56	5554	168
70	5534	210
71	5494	213
73	5511	219
77	5508	231
78	5545	234
85	5537	255
90	5560	270
95	5564	285

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
20	5509	60
30	5549	90
36	5499	108
50	5539	150

63	5561	189
67	5505	201
74	5538	222
82	5494	246
89	5497	267
90	5554	270
96	5547	288

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
0	5537	0
9	5561	27
15	5521	45
19	5507	57
33	5541	99
34	5567	102
50	5563	150
70	5538	210
76	5557	228
77	5501	231
89	5530	267
99	5536	297

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
1	5509	3
9	5514	27
10	5503	30
13	5517	39
15	5532	45
26	5542	78
37	5562	111
46	5508	138
48	5551	144
87	5559	261
88	5565	264
90	5558	270
99	5502	297

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
0	5540	0
4	5565	12
17	5531	51
21	5496	63
29	5516	87

33	5559	99
37	5505	111
46	5511	138
57	5508	171
65	5528	195
69	5493	207
70	5562	210
78	5499	234
81	5542	243
99	5543	297

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
8	5514	24
11	5506	33
16	5509	48
19	5566	57
37	5498	111
42	5535	126
64	5549	192
88	5523	264
90	5495	270

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
5	5569	15
18	5504	54
25	5519	75
26	5547	78
28	5544	84
45	5551	135
50	5557	150
54	5534	162
55	5495	165
61	5540	183
64	5528	192
67	5517	201
90	5537	270
92	5521	276

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
5	5529	15
19	5497	57
39	5558	117
41	5508	123

43	5556	129
49	5496	147
51	5498	153
54	5568	162
60	5516	180
61	5535	183
62	5543	186
75	5532	225
78	5518	234
80	5500	240
83	5541	249
91	5499	273

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
1	5499	3
4	5541	12
7	5507	21
8	5513	24
13	5529	39
14	5505	42
16	5504	48
33	5564	99
45	5524	135
68	5534	204
73	5523	219
77	5551	231
79	5500	237
80	5510	240
84	5509	252
90	5532	270
92	5530	276
97	5548	291

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
9	5520	27
18	5534	54
29	5546	87
40	5497	120
42	5544	126
51	5527	153
53	5553	159
57	5526	171
59	5500	177
73	5495	219

86	5507	258
88	5525	264
96	5508	288
97	5537	291
99	5549	297

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
1	5518	3
23	5526	69
26	5554	78
31	5525	93
37	5517	111
38	5560	114
41	5499	123
55	5514	165
63	5553	189
97	5520	291

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
0	5560	0
5	5497	15
7	5532	21
16	5541	48
19	5512	57
28	5531	84
35	5556	105
42	5537	126
44	5516	132
51	5500	153
58	5543	174
74	5506	222
80	5547	240
85	5546	255
89	5509	267
91	5518	273
94	5502	282
99	5562	297

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
1	5511	3
2	5566	6
9	5510	27
10	5565	30

24	5542	72
32	5505	96
37	5494	111
38	5531	114
39	5558	117
45	5516	135
53	5519	159
56	5503	168
63	5496	189
69	5491	207
70	5561	210
77	5508	231
78	5532	234
94	5548	282
95	5517	285
96	5520	288

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
5	5509	15
6	5501	18
7	5512	21
10	5548	30
19	5562	57
26	5528	78
40	5569	120
50	5519	150
58	5538	174
63	5563	189
65	5517	195
79	5503	237
85	5549	255
98	5525	294

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
0	5568	0
5	5554	15
6	5550	18
8	5503	24
34	5523	102
48	5530	144
52	5520	156
61	5563	183
62	5542	186
69	5560	207

72	5517	216
78	5501	234
84	5505	252
99	5555	297

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
0	5508	0
12	5543	36
20	5518	60
25	5520	75
28	5497	84
31	5506	93
37	5564	111
63	5505	189
77	5493	231
91	5521	273

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
13	5515	39
16	5530	48
18	5548	54
21	5510	63
27	5503	81
35	5502	105
46	5522	138
50	5546	150
54	5505	162
65	5539	195
75	5518	225
91	5500	273
93	5531	279

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
0	5554	0
8	5551	24
14	5493	42
19	5561	57
23	5517	69
50	5524	150
52	5527	156
54	5528	162
77	5519	231
82	5500	246

84	5497	252
86	5503	258
88	5555	264
94	5522	282
99	5568	297

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
15	5544	45
33	5520	99
35	5512	105
36	5542	108
43	5568	129
51	5511	153
60	5565	180
65	5523	195
73	5507	219
79	5562	237
80	5559	240
87	5551	261

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
1	5503	3
4	5530	12
8	5499	24
11	5549	33
20	5567	60
27	5555	81
29	5533	87
39	5520	117
42	5492	126
45	5546	135
50	5512	150
51	5541	153
53	5538	159
62	5511	186
63	5524	189
70	5551	210
75	5561	225
79	5568	237
87	5552	261
88	5536	264

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)

1	5521	3
6	5538	18
12	5491	36
21	5556	63
32	5496	96
33	5558	99
38	5517	114
48	5562	144
60	5545	180
64	5507	192
74	5561	222
92	5494	276
96	5527	288
99	5509	297

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
8	5550	24
12	5558	36
20	5566	60
23	5518	69
37	5499	111
47	5515	141
66	5491	198
69	5531	207
77	5510	231
81	5526	243
87	5521	261
88	5548	264

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
3	5556	9
6	5549	18
18	5526	54
25	5507	75
32	5563	96
35	5514	105
42	5562	126
51	5500	153
55	5508	165
57	5498	171
63	5565	189
72	5538	216
89	5545	267

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
3	5501	9
14	5516	42
15	5529	45
23	5503	69
28	5556	84
39	5525	117
42	5527	126
59	5559	177
60	5523	180
61	5552	183
65	5499	195
72	5543	216
81	5555	243
96	5505	288
98	5532	294

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
13	5497	39
18	5550	54
45	5522	135
47	5546	141
53	5512	159
60	5496	180
65	5516	195
71	5500	213
74	5562	222
84	5533	252
86	5532	258
89	5502	267
92	5559	276
94	5528	282
95	5552	285

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
2	5492	6
6	5527	18
9	5553	27
10	5507	30
14	5506	42
15	5550	45
17	5529	51
20	5551	60

24	5498	72
31	5520	93
40	5494	120
43	5517	129
49	5543	147
70	5560	210
80	5535	240
82	5568	246
84	5564	252
90	5512	270

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
7	5512	21
8	5524	24
10	5535	30
12	5508	36
28	5502	84
44	5549	132
47	5516	141
51	5553	153
53	5523	159
58	5515	174
59	5530	177
60	5563	180
65	5505	195
93	5527	279

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
7	5542	21
8	5510	24
21	5551	63
23	5553	69
24	5506	72
26	5516	78
29	5537	87
31	5518	93
33	5499	99
48	5531	144
50	5507	150
61	5564	183
68	5513	204
86	5523	258
87	5529	261
88	5491	264

94	5545	282
98	5544	294

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
6	5498	18
10	5549	30
11	5534	33
26	5501	78
29	5512	87
31	5541	93
47	5562	141
53	5496	159
59	5524	177
63	5544	189
68	5505	204
71	5495	213
83	5507	249
85	5525	255
92	5560	276
94	5530	282

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

Equip#	Manufacturer/ Model	Description	Last Cal	Next Due
CIS-55096	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
CIS041993	ZFSC-2-9G+ Mini-Circuits	Splitter	17-Aug-17	17-Aug-18
CIS054622	RA08-S1S1-18 Megaphase	SMA cable 18"	27-Jul-17	27-Jul-18
CIS054623	RA08-S1S1-18 Megaphase	SMA cable 18"	27-Jul-17	27-Jul-18
CIS054624	RA08-S1S1-18 Megaphase	SMA cable 18"	27-Jul-17	27-Jul-18
CIS054635	F120-S1S1-48 Megaphase	SMA cable 48"	17-Aug-17	17-Aug-18
CIS054668	RA08-S1S1-18 MegaPhase	SMA 18" Cable	3-Aug-17	3-Aug-18
CIS054695	D3C2060 Ditom	Circulator	14-Nov-16	14-Nov-17
CIS055107	N5182B Keysight	MXG-B RF Vector Signal Generator	7-Sep-17	7-Sep-18
CIS055109	N9030A-550 Keysight	Spectrum Analyzer	29-Sep-17	29-Sep-18
CIS055561	F120-S1S1-48 MegaPhase	SMA Cable 48"	17-Aug-17	17-Aug-18
CIS055578	BWS20-W2 Aeroflex	SMA 20dB Attenuator	17-Aug-17	17-Aug-18
CIS055582	BWS30-W2 Aeroflex	SMA 30dB Attenuator	17-Aug-17	17-Aug-18
CIS055847	SMSM-A2PH-012 Dynawave	12" SMA Cable	17-Aug-17	17-Aug-18
CIS056062	PS4-09-452/4S Pulsar	4 Way Power Splitter 2 - 8GHz	12-Apr-17	12-Apr-18

Type 5 Statistics performed April 27th, 2018

Equip#	Manufacturer/ Model	Description	Last Cal	Next Due
CIS-55095	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
CIS049428	ZFSC-2-9G+ Mini-Circuits	Splitter	16 Nov 2017	16 Nov 2018

CIS055901	DYNAWAVE / SMSM-A2PH-018	SMA Cable, 18 IN	23 Oct 2017	23 Oct 2018
CIS055899	DYNAWAVE / SMSM-A2PH-018	SMA Cable, 18 IN	23 Oct 2017	23 Oct 2018
CIS055902	DYNAWAVE / SMSM-A2PH-018	SMA Cable, 18 IN	23 Oct 2017	23 Oct 2018
CIS055897	DYNAWAVE / SMSM-A2PH-018	SMA Cable, 18 IN	23 Oct 2017	23 Oct 2018
CIS054695	Ditom / D3C2060	Circulator	16 Nov 17	16 Nov 2018
CIS054346	Keysight / N5182B	MXG-B RF Vector Signal Generator	21 Mar 2018	21 Mar 2019
CIS050721	Keysight / N9030A-550	Spectrum Analyzer	10 Apr 2018	10 Apr 2019
CIS042623	Pasternack / PE6072	SMA 50 Ohm Termination	08 Mar 2018	08 Mar 2019
CIS054634	Megaphase / F120-S1S1-48	SMA Cable	29 Sep 2017	29 Sep 2018
CIS055564	Megaphase / F120-S1S1-36	SMA Cable	29 Sep 2017	29 Sep 2018
CIS055864	Dynawave / SMSM-A2PH-012	SMA Cable, 12 IN	29 Sep 2017	29 Sep 2018
CIS054607	Pulsar / PS4-09-452/4S	4 Way Power Splitter 2 - 8GHz	16 Nov 2017	16 Nov 2018
CIS056330	Pasternack / PE5019-1	Torque Wrench	28 Feb 2018	28 Feb 2019
CIS042634	Pasternack / PE6072	SMA 50 Ohm Termination	16 Mar 2018	16 Mar 2019
CIS042638	Pasternack PE6072	SMA 50 Ohm Termination	08 Mar 2018	08 Mar 2019

End