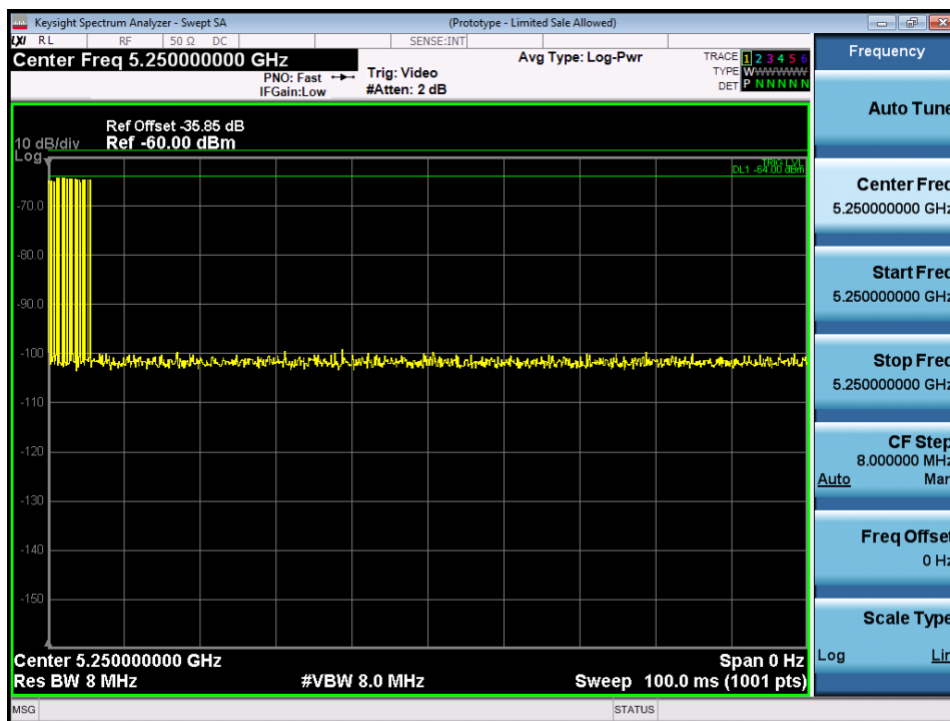
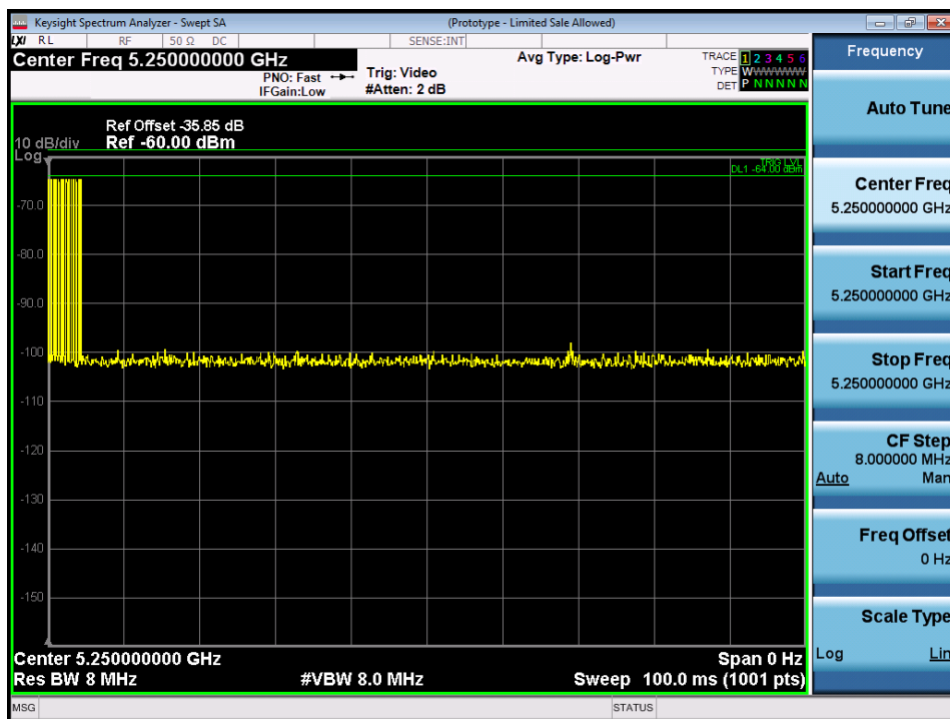
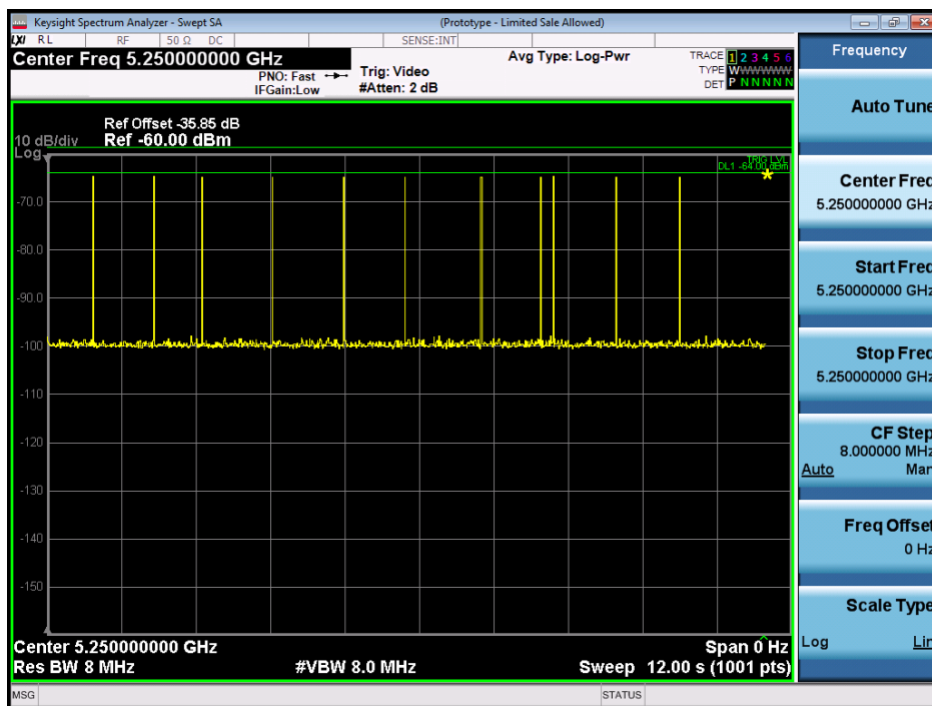
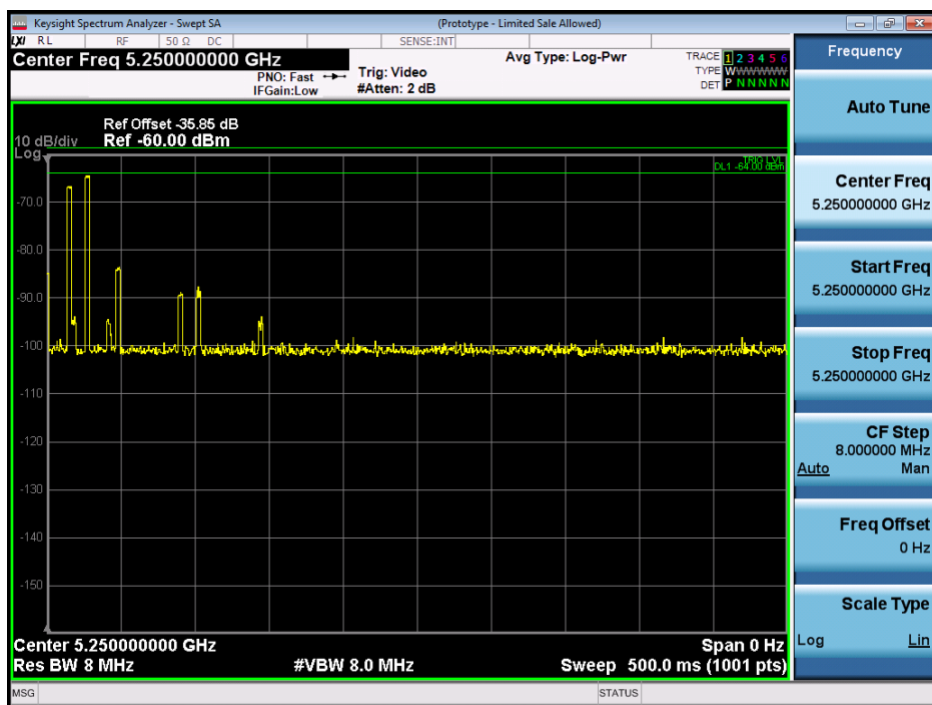




USA Bin 3 Radar Calibration BW160



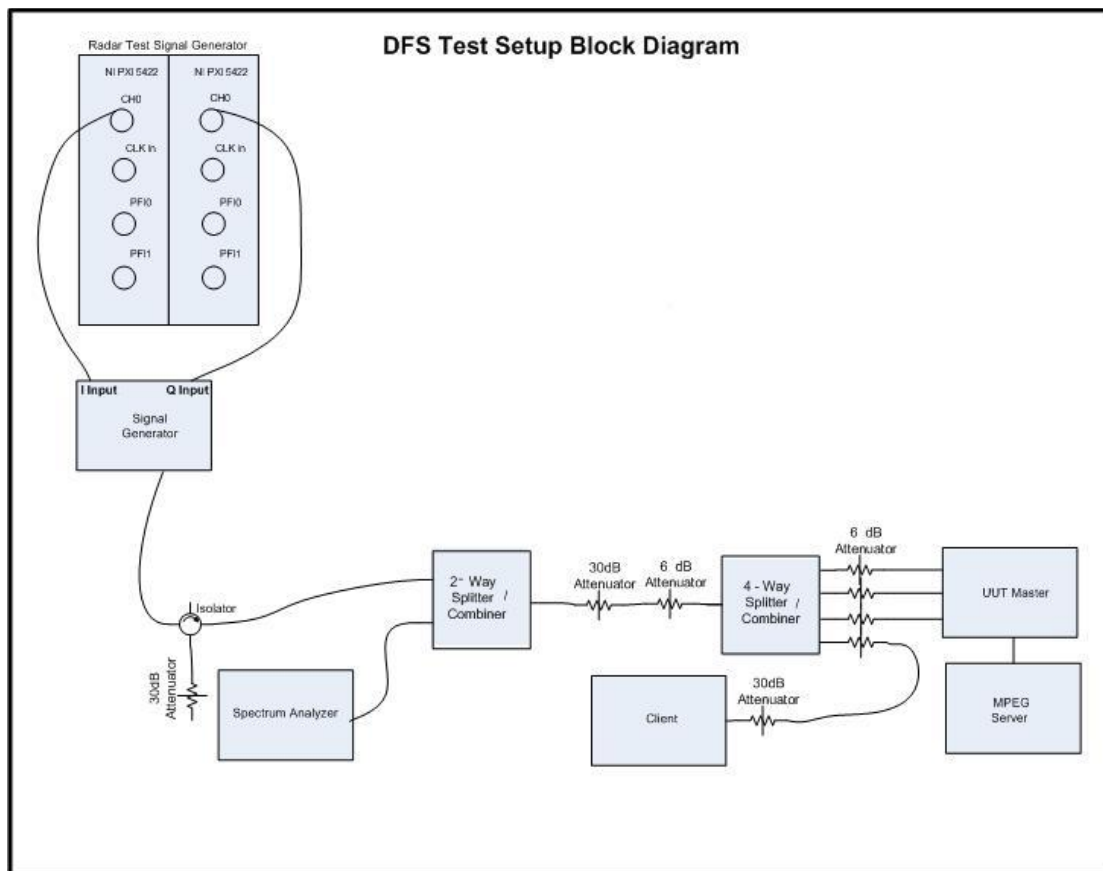
USA Bin 4 Radar Calibration BW160

**USA Bin 5 Radar Calibration BW160****USA Frequency Hopping Radar Calibration BW160**

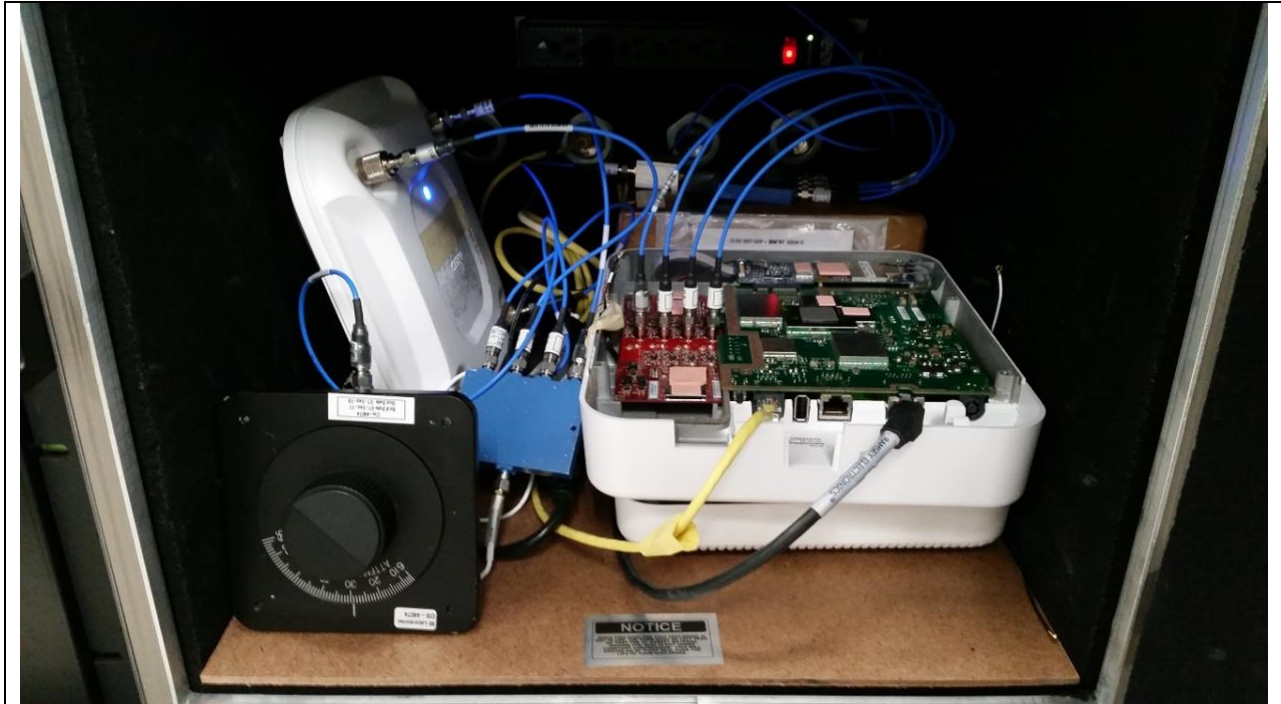
B.1 Test Procedure/Results

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

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



Conducted Setup: Radar Test Waveforms are injected into the Master



Title: DFS Setup - Tests with 20MHz, 40MHz, 80MHz BW



Title: DFS Setup - Tests with 160MHz

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 F_H .

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 F_L .

The U-NII Detection Bandwidth is calculated as follows:

$$\text{U-NII Detection Bandwidth} = F_H - F_L$$

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.

Radar Frequency	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)	Detection Bandwidth (MHz)	Limit (MHz)
	1	2	3	4	5	6	7	8	9	10			
5490	0	0	0	0	0	0	0	0	0	0	0	18	18
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	0	0	0	0	0	0	0	0	0	0	0		

USA Bin 0 Radar

Radar Frequency	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)	Detection Bandwidth (MHz)	Limit (MHz)
	1	2	3	4	5	6	7	8	9	10			
5490	0	0	0	0	0	0	0	0	0	0	0	38	36
5491	1	1	1	1	1	1	1	1	1	1	100		
5492	1	1	1	1	1	1	1	1	1	1	100		
5493	1	1	1	1	1	1	1	1	1	1	100		
5494	1	1	1	1	1	1	1	1	1	1	100		
5495	1	1	1	1	1	1	1	1	1	1	100		
5496	1	1	1	1	1	1	1	1	1	1	100		
5497	1	1	1	1	1	1	1	1	1	1	100		
5498	1	1	1	1	1	1	1	1	1	1	100		
5499	1	1	1	1	1	1	1	1	1	1	100		
5500	1	1	1	1	1	1	1	1	1	1	100		
5501	1	1	1	1	1	1	1	1	1	1	100		
5502	1	1	1	1	1	1	1	1	1	1	100		
5503	1	1	1	1	1	1	1	1	1	1	100		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	0	1	90		
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	0	0	0	0	0	0	0	0	0	0	0		

USA Bin 0 Radar

Radar Frequency	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)	Detection Bandwidth (MHz)	Limit (MHz)
	1	2	3	4	5	6	7	8	9	10			
5490	1	0	0	0	0	0	0	0	0	0	10	78	76
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	0	1	1	1	1	1	1	1	1	1	90		
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	0	1	1	1	90		
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	0	1	1	1	90		
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	0	0	1	1	1	1	1	1	1	1	93.3		
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

Radars Frequency	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)	Detection Bandwidth (MHz)	Limit (MHz)
	1	2	3	4	5	6	7	8	9	10			
5530	1	1	1	1	1	1	1	1	1	1	100	78	76
5531	0	1	1	1	1	1	1	1	1	1	90		
5532	1	1	1	1	0	1	1	1	1	1	90		
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	0	1	1	1	1	1	1	1	1	90		
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	0	90		
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	0	1	1	1	1	1	90		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	0	1	1	90		
5553	1	1	1	1	1	1	0	1	1	1	90		
5554	1	1	1	1	1	1	1	1	0	1	90		
5555	1	1	1	1	1	1	1	0	1	1	90		
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	0	1	1	1	90		
5563	1	1	0	1	1	1	1	1	1	1	90		
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	0	1	1	1	1	1	1	90		
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	0	0	0	0	0	0	0	0	0	0	0		

USA Bin 0 Radar (cont)

Radar Frequency	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)	Detection Bandwidth (MHz)	Limit (MHz)
	1	2	3	4	5	6	7	8	9	10			
5170	1	1	0	1	1	1	1	1	1	1	90	160	156
5171	1	1	1	1	1	1	1	1	1	1	100		
5172	1	1	1	1	1	1	1	1	1	1	100		
5173	1	1	1	1	1	1	1	1	1	1	100		
5174	1	1	1	1	1	1	1	1	1	1	100		
5175	1	1	1	1	1	1	1	1	1	1	100		
5176	1	1	1	1	1	1	1	1	1	1	100		
5177	1	1	1	1	1	1	1	1	1	1	100		
5178	1	1	1	1	1	1	1	1	1	1	100		
5179	1	1	1	1	0	1	1	0	0	1	90		
5180	1	1	1	1	1	1	1	1	1	1	100		
5181	1	1	1	1	1	1	1	1	1	1	100		
5182	1	1	1	1	1	1	1	1	1	1	100		
5183	1	1	1	1	1	1	1	1	1	1	100		
5184	1	1	1	1	1	1	1	1	1	1	100		
5185	1	1	1	1	1	1	1	1	1	1	100		
5186	1	1	1	1	1	1	1	1	1	1	100		
5187	1	1	1	1	1	1	1	1	1	1	100		
5188	1	1	1	1	0	1	1	1	1	1	90		
5189	1	1	1	1	1	1	1	1	1	1	100		
5190	1	1	1	1	1	1	1	1	1	1	100		
5191	1	1	0	1	1	1	1	1	1	1	90		
5192	1	1	1	1	1	1	1	1	1	1	100		
5193	1	1	1	1	1	1	1	1	1	1	100		
5194	1	1	1	1	1	1	1	1	1	1	100		
5195	1	1	1	1	1	1	1	1	1	1	100		
5196	1	1	1	1	1	1	1	1	1	1	100		
5197	1	1	1	1	1	1	1	1	1	1	100		
5198	1	1	1	1	1	1	1	0	1	1	90		
5199	1	1	1	1	1	1	1	1	1	1	100		
5200	1	1	1	1	1	1	1	1	1	1	100		
5201	1	1	1	1	1	1	1	1	1	1	100		
5202	1	1	1	1	1	1	1	1	1	1	100		
5203	1	1	1	1	1	1	1	1	1	1	100		
5204	1	1	1	1	1	1	1	1	1	1	100		
5205	1	1	1	1	1	1	1	1	1	1	100		
5206	1	1	1	1	1	1	1	1	1	1	100		
5207	1	1	1	1	1	1	1	1	1	1	100		
5208	1	1	1	1	1	1	1	1	1	1	100		
5209	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)
5210	1	1	1	1	1	1	1	1	1	1	100	160	156
5211	1	1	1	1	1	1	1	1	1	1	100		
5212	1	1	1	1	1	1	1	1	1	1	100		
5213	1	1	1	1	1	1	1	1	1	1	100		
5214	1	1	1	1	1	1	1	1	1	1	100		
5215	1	1	1	1	1	1	1	1	1	1	100		
5216	1	1	1	1	1	1	1	1	1	1	100		
5217	1	1	1	1	1	1	1	1	1	1	100		
5218	1	1	1	1	1	1	1	1	1	1	100		
5219	1	1	1	1	1	1	1	1	1	1	100		
5220	1	1	1	1	1	1	1	1	1	1	100		
5221	1	1	1	1	1	1	1	1	1	1	100		
5222	1	1	1	1	1	1	1	1	1	1	100		
5223	1	1	1	1	1	1	1	1	1	1	100		
5224	1	1	1	1	1	1	1	1	1	1	100		
5225	1	1	1	1	1	1	1	1	1	1	100		
5226	1	1	1	1	1	1	1	1	1	1	100		
5227	1	1	1	1	1	1	1	1	1	1	100		
5228	1	1	1	1	1	1	1	1	1	1	100		
5229	1	1	1	1	1	1	1	1	1	1	100		
5230	1	1	1	0	1	1	0	1	1	1	93.3		
5231	1	1	1	1	1	1	1	1	1	1	100		
5232	1	1	1	1	1	1	1	1	1	1	100		
5233	1	1	1	1	1	1	1	1	0	1	90		
5234	1	1	1	1	1	1	1	1	1	1	100		
5235	1	1	1	1	1	1	1	1	1	1	100		
5236	1	1	1	1	1	1	1	1	1	1	100		
5237	1	1	1	1	1	1	1	1	1	1	100		
5238	1	1	1	1	1	1	1	1	1	1	100		
5239	1	0	1	1	1	1	1	1	1	1	90		
5240	1	1	1	1	1	1	1	1	1	1	100		
5241	1	1	1	1	1	1	1	1	1	1	100		
5242	1	1	1	1	1	1	1	1	1	1	100		
5243	1	1	1	1	1	1	1	1	1	1	100		
5244	1	1	1	1	1	1	1	1	1	1	100		
5245	1	1	1	1	1	1	1	1	1	1	100		
5246	1	1	1	1	1	1	1	1	1	1	100		
5247	1	1	1	1	1	1	1	1	1	1	100		
5248	1	1	1	1	1	1	1	1	1	1	100		
5249	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 0 Radar (cont)

	DFS Detection Trials (1=Detection, Blank= No Detection)											
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Radar Frequency	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)	Detection Bandwidth (MHz)	Limit (MHz)
5250	1	1	1	1	1	1	1	1	1	0	90	160	156
5251	1	1	1	1	1	1	1	0	1	1	90		
5252	1	1	1	1	1	1	1	1	1	1	100		
5253	1	1	1	1	1	1	1	1	1	1	100		
5254	1	1	1	1	1	1	1	1	1	1	100		
5255	1	1	1	1	1	1	1	1	1	1	100		
5256	1	1	1	1	1	1	1	1	1	1	100		
5257	1	1	1	1	1	1	1	1	1	1	100		
5258	1	1	1	1	1	1	1	1	1	1	100		
5259	1	1	1	1	1	1	1	1	1	1	100		
5260	1	1	1	1	1	1	1	1	1	1	100		
5261	1	1	1	1	1	1	1	1	1	1	100		
5262	1	1	1	1	1	1	1	1	1	1	100		
5263	1	1	1	1	1	1	1	1	1	1	100		
5264	1	1	1	1	1	1	1	1	1	1	100		
5265	1	1	1	1	1	1	1	1	1	1	100		
5266	1	1	1	1	1	1	1	1	1	1	100		
5267	1	1	1	1	1	1	1	1	1	1	100		
5268	1	1	1	1	1	1	1	1	1	1	100		
5269	1	1	1	1	1	1	1	1	1	1	100		
5270	1	0	1	1	1	1	1	1	1	1	90		
5271	1	1	1	1	1	1	1	1	1	1	100		
5272	1	1	1	1	1	1	1	1	1	1	100		
5273	1	1	1	1	1	1	1	1	1	1	100		
5274	1	1	1	1	1	1	1	1	1	1	100		
5275	1	1	1	1	1	1	1	1	1	1	100		
5276	1	1	1	1	1	1	1	1	1	1	100		
5277	1	1	1	1	1	1	1	1	1	0	90		
5278	1	1	1	1	1	1	1	1	1	1	100		
5279	1	1	1	1	1	1	1	1	1	1	100		
5280	1	1	1	1	1	1	1	1	1	1	100		
5281	1	1	1	1	1	1	1	1	1	1	100		
5282	1	1	1	1	1	1	1	1	1	1	100		
5283	1	1	1	1	1	1	1	1	1	1	100		
5284	1	1	1	1	1	1	1	1	1	1	100		
5285	1	1	1	1	1	1	1	1	1	1	100		
5286	1	1	1	1	1	1	1	1	1	1	100		
5287	1	1	1	1	1	1	1	1	1	1	100		
5288	1	1	1	1	1	1	1	1	1	1	100		
5289	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 0 Radar (cont)

DFS Detection Trials (1=Detection, Blank= No Detection)												Detection Bandwidth (MHz)	Limit (MHz)
Radar Frequency	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)		

5290	1	1	1	1	1	1	1	1	1	1	100	160	156
5291	1	1	1	1	1	1	1	1	1	1	100		
5292	1	1	1	1	1	1	1	1	1	1	100		
5293	1	1	1	1	1	1	1	1	1	1	100		
5294	1	1	1	1	1	1	1	1	1	1	100		
5295	1	1	1	1	1	1	1	1	1	1	100		
5296	1	1	1	1	1	1	1	1	1	1	100		
5297	1	1	1	1	1	1	1	1	1	1	100		
5298	1	1	1	1	1	1	1	1	1	1	100		
5299	1	1	1	1	1	1	1	1	1	1	100		
5300	1	1	1	1	1	1	1	1	1	1	100		
5301	1	1	1	1	1	1	1	1	1	1	100		
5302	1	1	1	1	1	1	1	1	1	1	100		
5303	1	1	1	1	1	1	1	1	1	1	100		
5304	1	1	1	1	1	1	1	1	1	1	100		
5305	1	1	1	1	1	1	1	1	1	1	100		
5306	1	1	1	1	1	1	1	1	1	1	100		
5307	1	1	1	1	1	1	1	1	1	1	100		
5308	1	1	1	1	1	1	1	1	1	1	100		
5309	1	1	1	1	1	1	1	1	1	1	100		
5310	1	1	1	1	1	1	1	1	1	1	100		
5311	1	1	1	1	1	1	1	1	1	1	100		
5312	1	1	1	1	1	1	1	1	1	1	100		
5313	1	1	1	1	1	1	1	1	1	1	100		
5314	1	1	1	1	1	1	1	1	1	1	100		
5315	1	1	1	1	1	1	1	1	1	1	100		
5316	1	1	1	1	1	1	1	1	1	1	100		
5317	1	1	1	1	1	1	1	1	1	1	100		
5318	1	1	1	1	1	1	1	1	1	1	100		
5319	1	1	1	1	1	1	1	1	1	1	100		
5320	1	1	1	1	1	1	1	1	1	1	100		
5321	1	1	1	1	1	1	1	1	1	1	100		
5322	1	1	1	1	1	1	1	1	1	1	100		
5323	1	1	1	1	1	1	1	1	1	1	100		
5324	1	1	1	1	1	1	1	1	1	1	100		
5325	1	1	1	1	1	1	1	1	1	1	100		
5326	1	1	1	1	1	1	1	1	1	1	100		
5327	1	1	1	1	1	1	1	1	1	1	100		
5328	1	1	1	1	1	1	1	1	1	1	100		
5329	1	1	1	1	1	1	1	1	1	1	100		
5330	1	1	1	1	1	1	1	1	1	1	100		

USA Bin 0 Radar (cont)

B.3 Initial Channel Availability Check Time

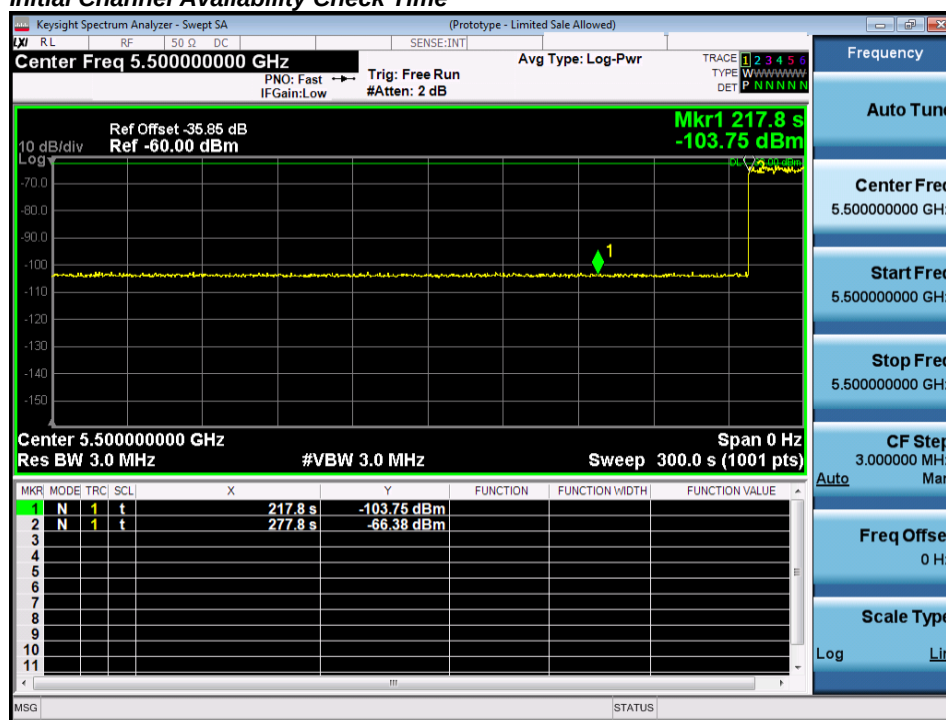
The tests that the UUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.

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

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

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

Initial Channel Availability Check Time



BW20

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

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

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

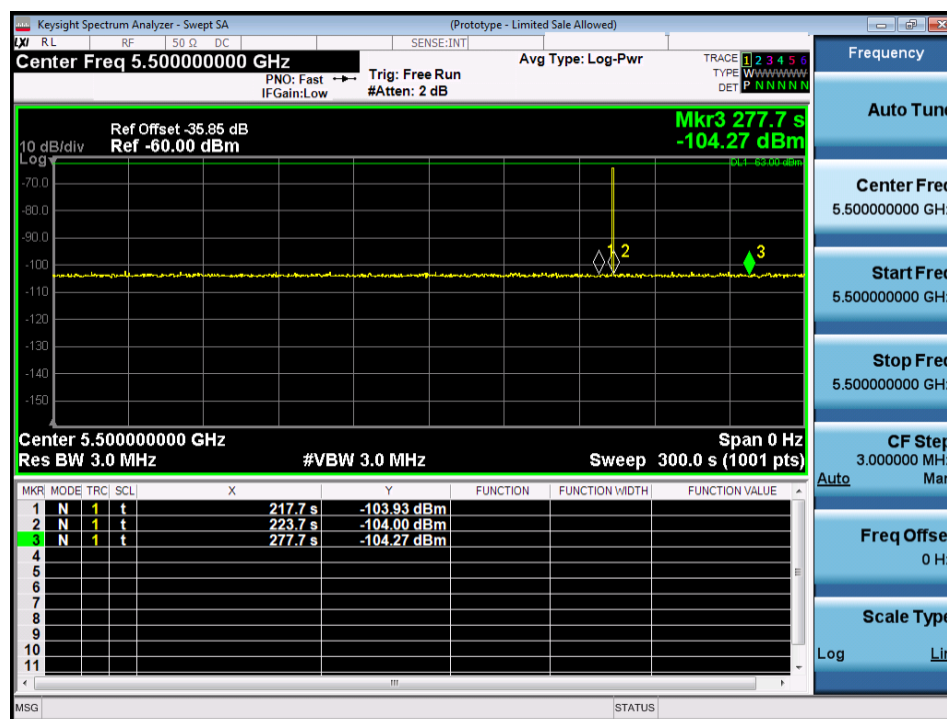
A single Burst of short pulse of radar type 0 at -63 dBm will commence within a 6 second window starting at T_1 .

Visual indication on the UUT of successful detection of the radar Burst will be recorded and reported.

Observation of emissions at 5500MHz will continue for 2.5 minutes after the radar Burst has been generated.

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

Radar Burst at the Beginning of the Channel Availability Check Time



BW20

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

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

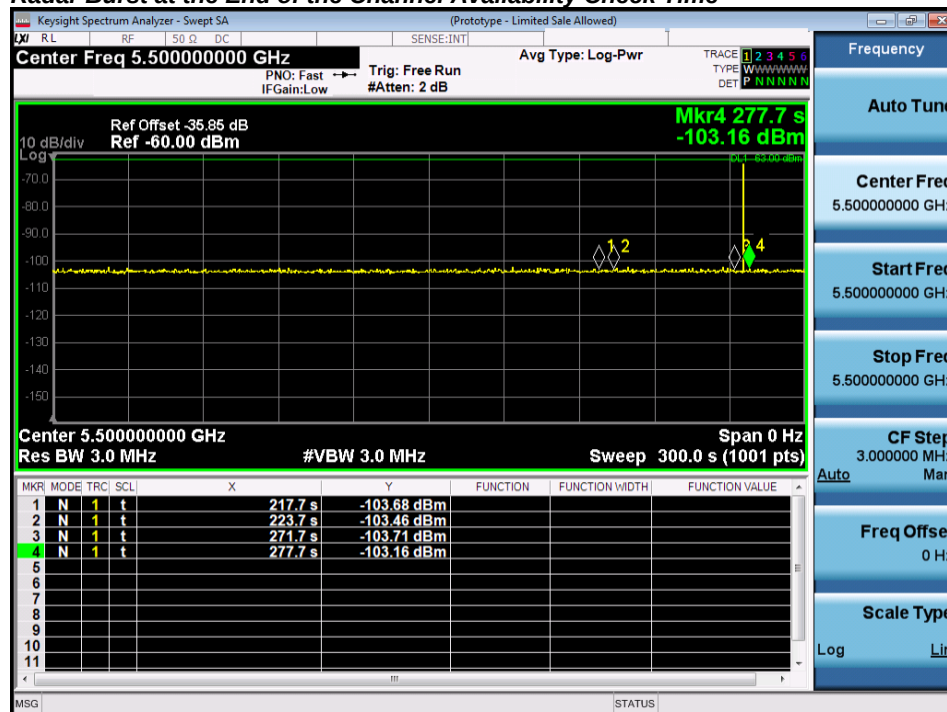
The UUT is powered on at T_0 . T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T_1 and will end no sooner than $T_1 + 60$ seconds.

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

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

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

Radar Burst at the End of the Channel Availability Check Time



BW20

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

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

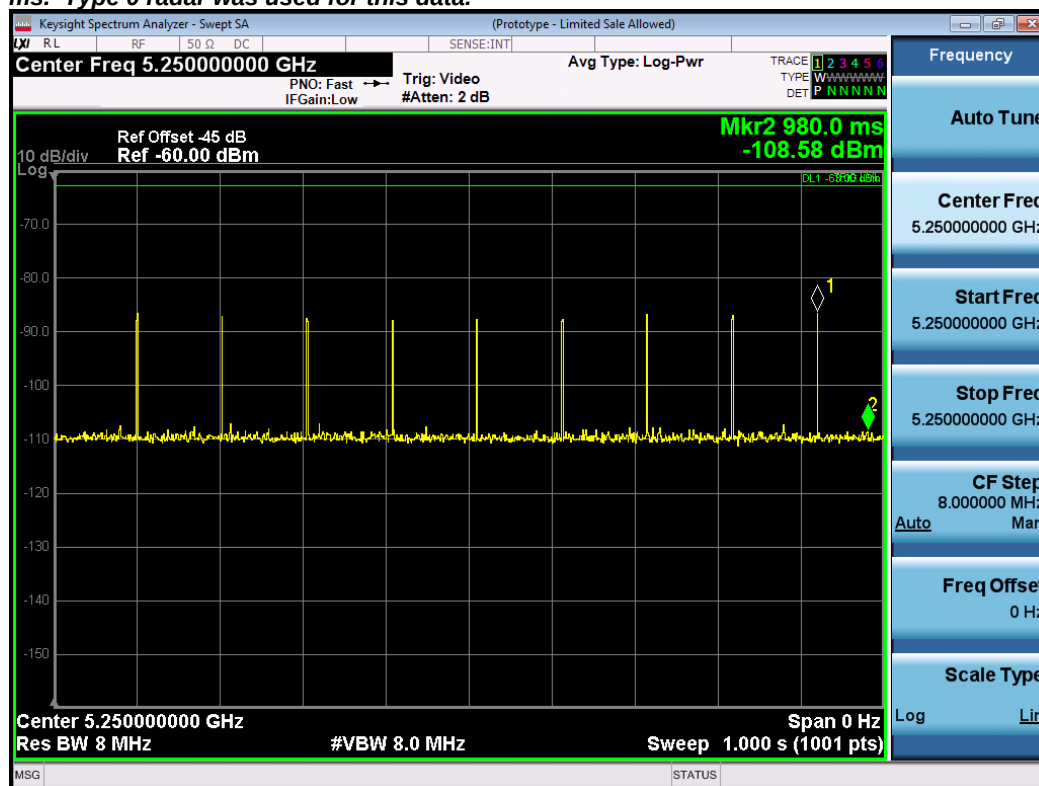
The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB (-63dBm) is generated on the Operating Channel of the U-NII device.

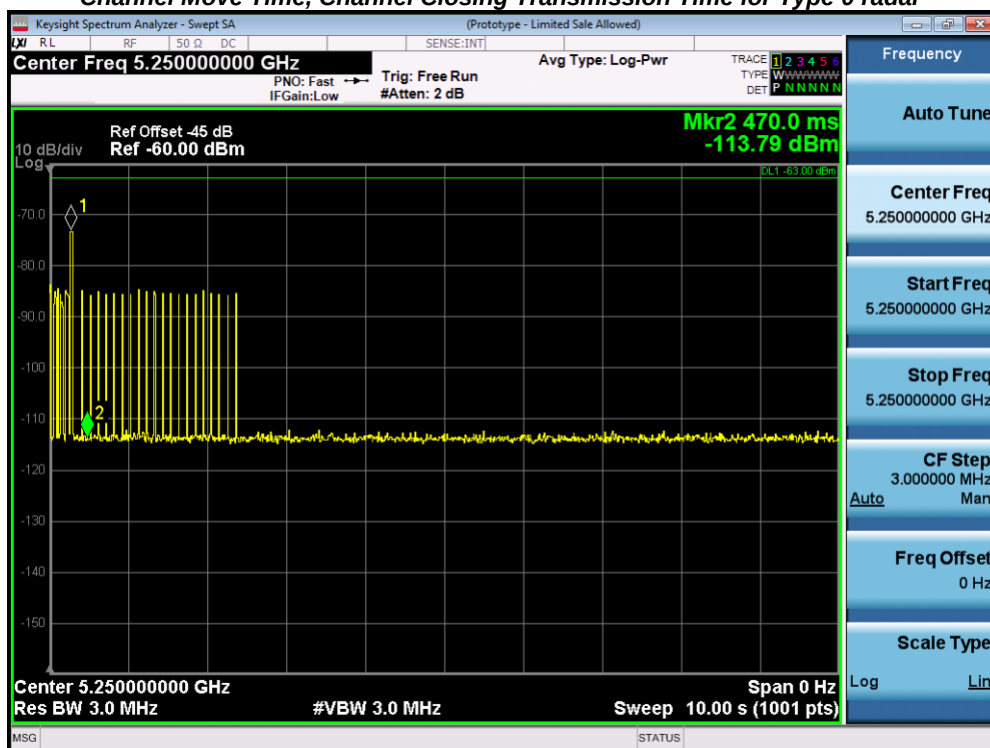
A U-NII device operating as a Client Device will associate with the UUT (Master) at 5500 MHz. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test.

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

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

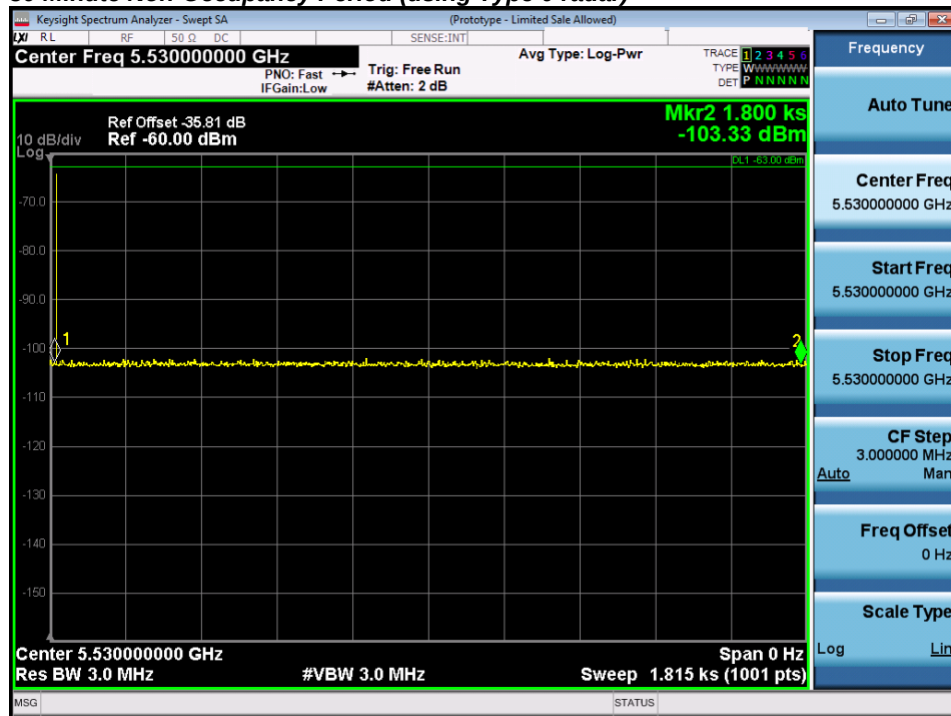
The following plot demonstrates a channel close time of 50ms, with an aggregate of no more than 60 ms. Type 0 radar was used for this data.



Channel Move Time, Channel Closing Transmission Time for Type 0 radar

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)



BW80

B.7 Statistical Performance Check

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

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

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

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

The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in the *Radar Test Waveforms* section. The data represents the worst case detection for 20 MHz, 40 MHz, and 80 MHz signal bandwidths.


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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	83	1	638	1	100.0%	60.0%
2	5494	18	1	3066	1		
3	5494	102	1	518	1		
4	5494	70	1	758	1		
5	5494	58	1	918	1		
6	5494	59	1	898	1		
7	5494	102	1	518	1		
8	5494	57	1	938	1		
9	5495	76	1	698	1		
10	5495	18	1	3066	1		
11	5495	18	1	3066	1		
12	5495	89	1	598	1		
13	5495	95	1	558	1		
14	5495	95	1	558	1		
15	5495	78	1	678	1		
16	5500	20	1	2718	1		
17	5500	40	1	1333	1		
18	5500	24	1	2236	1		
19	5500	65	1	819	1		
20	5500	20	1	2666	1		
21	5500	18	1	2938	1		
22	5500	80	1	667	1		
23	5500	54	1	995	1		
24	5505	26	1	2104	1		
25	5505	39	1	1380	1		
26	5505	22	1	2417	1		
27	5505	34	1	1576	1		
28	5505	24	1	2216	1		
29	5505	24	1	2271	1		
30	5505	27	1	1981	1		


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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	74	1	718	1	100.0%	60.0%
2	5494	59	1	898	1		
3	5494	72	1	738	1		
4	5494	70	1	758	1		
5	5494	102	1	518	1		
6	5494	83	1	638	1		
7	5494	59	1	898	1		
8	5494	86	1	618	1		
9	5495	67	1	798	1		
10	5495	18	1	3066	1		
11	5495	68	1	778	1		
12	5495	72	1	738	1		
13	5495	67	1	798	1		
14	5495	102	1	518	1		
15	5495	18	1	3066	1		
16	5500	41	1	1288	1		
17	5500	20	1	2741	1		
18	5500	34	1	1569	1		
19	5500	27	1	1969	1		
20	5500	41	1	1309	1		
21	5500	23	1	2349	1		
22	5500	21	1	2593	1		
23	5500	24	1	2254	1		
24	5505	21	1	2566	1		
25	5505	72	1	734	1		
26	5505	19	1	2873	1		
27	5505	31	1	1735	1		
28	5505	30	1	1792	1		
29	5505	86	1	614	1		
30	5505	42	1	1284	1		


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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	25	1.1	184	1	100.0%	60.0%
2	5494	25	4.6	187	1		
3	5494	26	4.6	174	1		
4	5494	26	4.7	228	1		
5	5494	24	3.9	175	1		
6	5494	27	2.6	159	1		
7	5494	29	2.5	225	1		
8	5494	28	1.6	217	1		
9	5495	28	2.3	204	1		
10	5495	25	4	158	1		
11	5495	23	3	202	1		
12	5495	28	3.8	191	1		
13	5495	28	3.4	200	1		
14	5495	28	1.9	179	1		
15	5495	24	5	168	1		
16	5500	25	2.3	162	1		
17	5500	28	2	227	1		
18	5500	29	1.5	166	1		
19	5500	24	4.7	200	1		
20	5500	26	2	182	1		
21	5500	24	3.1	224	1		
22	5500	29	4.6	224	1		
23	5500	27	4.1	191	1		
24	5505	27	2.6	169	1		
25	5505	27	1.8	188	1		
26	5505	28	1.9	192	1		
27	5505	29	3.3	180	1		
28	5505	26	3.5	160	1		
29	5505	23	3.9	151	1		
30	5505	25	3.6	204	1		


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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	18	6.8	234	0	96.7%	60.0%
2	5494	17	6.8	458	1		
3	5494	18	8.1	267	1		
4	5494	17	9.2	200	1		
5	5494	18	6.7	202	1		
6	5494	16	6.1	471	1		
7	5494	16	8.4	488	1		
8	5494	16	7.1	238	1		
9	5495	16	7.2	397	1		
10	5495	18	9.4	443	1		
11	5495	18	7.2	244	1		
12	5495	18	8.6	205	1		
13	5495	16	6.4	455	1		
14	5495	18	8.2	483	1		
15	5495	18	7	429	1		
16	5500	16	6	200	1		
17	5500	17	6.4	266	1		
18	5500	18	6.8	442	1		
19	5500	17	6.8	368	1		
20	5500	17	9.9	387	1		
21	5500	17	8.6	458	1		
22	5500	18	8.4	234	1		
23	5500	18	9.2	319	1		
24	5505	16	7.5	400	1		
25	5505	18	8.9	325	1		
26	5505	18	6.7	284	1		
27	5505	16	9.4	357	1		
28	5505	18	8.1	417	1		
29	5505	18	9.6	384	1		
30	5505	16	9.2	402	1		

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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5494	13	18.9	303	1	93.3%	60.0%
2	5494	13	18	316	1		
3	5494	13	19.7	356	1		
4	5494	15	13.3	232	1		
5	5494	15	14.8	385	0		
6	5494	13	12.4	405	0		
7	5494	13	17.5	251	1		
8	5494	12	17.2	321	1		
9	5495	14	11.8	299	1		
10	5495	15	18.7	202	1		
11	5495	16	17.4	424	1		
12	5495	12	19.1	359	1		
13	5495	15	18.1	340	1		
14	5495	13	18.7	206	1		
15	5495	13	17.3	282	1		
16	5500	13	12.8	370	1		
17	5500	13	16.9	347	1		
18	5500	14	18.3	469	1		
19	5500	16	19.5	240	1		
20	5500	16	16.9	242	1		
21	5500	15	18.2	325	1		
22	5500	13	14.5	269	1		
23	5500	15	13.6	396	1		
24	5505	15	15.6	490	1		
25	5505	12	12.5	391	1		
26	5505	13	13.1	484	1		
27	5505	14	19.8	402	1		
28	5505	14	11.5	242	1		
29	5505	13	18.3	338	1		
30	5505	13	14.2	400	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:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100.0\% + 100.0\% + 100.0\% + 96.7\% + 93.3\%) / 5 = 98.0\% (>80\%)$$

*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	2	5497.8	17	55	1978	0.599783
2	1	5497.8	17	50		1.254125
3	1	5497.8	17	65		2.038205
4	3	5497.8	17	100	1342	2.469253
5	3	5497.8	17	100	1227	2.832293
6	2	5497.8	17	65	1174	3.638246
7	3	5497.8	17	75	1951	4.627001
8	3	5497.8	17	85	1156	5.012787
9	1	5497.8	17	90		6.090019
10	2	5497.8	17	55	1415	6.722443
11	2	5497.8	17	100	1620	7.124286
12	1	5497.8	17	95		8.140568
13	3	5497.8	17	70	1811	9.033167
14	2	5497.8	17	85	1050	9.442822
15	2	5497.8	17	95	1562	10.102061
16	2	5497.8	17	75	1159	11.085206
17	1	5497.8	17	100		11.673208

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5497.4	16	80	1924	0.371407
2	3	5497.4	16	80	1670	2.041851
3	2	5497.4	16	80	1117	2.969437
4	2	5497.4	16	80	1484	4.290097
5	3	5497.4	16	85	1513	5.245865
6	1	5497.4	16	70		6.267016
7	1	5497.4	16	95		7.268174
8	2	5497.4	16	100	1283	7.693404
9	2	5497.4	16	95	1075	9.743173
10	2	5497.4	16	90	1018	9.869648
11	2	5497.4	16	75	1906	11.441609

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	15	90	1724	1.297234
2	3	5497	15	60	1490	1.425858
3	1	5497	15	50		3.388101
4	1	5497	15	60		5.32324
5	2	5497	15	70	1061	6.322197
6	3	5497	15	90	1964	7.042299
7	1	5497	15	65		8.468255
8	1	5497	15	65		9.492149
9	2	5497	15	60	1572	10.8058

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	5494.6	9	70	1060	0.81871
2	3	5494.6	9	65	1287	1.695984
3	2	5494.6	9	65	1661	2.845987
4	1	5494.6	9	85		3.850485
5	1	5494.6	9	80		5.080482
6	1	5494.6	9	55		7.137195
7	3	5494.6	9	100	1591	7.746672
8	2	5494.6	9	85	1820	8.654336
9	2	5494.6	9	55	1356	9.885691
10	1	5494.6	9	95		11.253276

USA Bin 5 Trial #5

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				



1	2	5499	20	70	1204		1.488286
2	3	5499	20	65	1655	1613	2.46383
3	3	5499	20	60	1074	1979	4.332615
4	2	5499	20	85	1339		5.593328
5	2	5499	20	65	1198		6.506345
6	3	5499	20	55	1663	1951	7.715928
7	2	5499	20	95	1866		10.118033
8	3	5499	20	50	1146	1761	10.986217

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	5498.6	19	95		0.585172
2	1	5498.6	19	100		1.029569
3	1	5498.6	19	100		1.817588
4	3	5498.6	19	95	1870	2.680644
5	3	5498.6	19	60	1719	3.326949
6	2	5498.6	19	95	1113	3.869014
7	1	5498.6	19	95		4.816774
8	1	5498.6	19	60		5.350196
9	2	5498.6	19	65	1690	6.019618
10	2	5498.6	19	50	1802	6.358756
11	3	5498.6	19	80	1445	7.287256
12	3	5498.6	19	90	1064	8.269342
13	1	5498.6	19	95		8.898051
14	1	5498.6	19	60		9.360643
15	1	5498.6	19	65		10.281104
16	2	5498.6	19	100	1066	11.094746
17	2	5498.6	19	100	1128	11.953247

USA Bin 5 Trial #7

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5497.4	16	55		0.104926
2	2	5497.4	16	85	1133	0.996267
3	1	5497.4	16	70		1.868856
4	1	5497.4	16	90		2.305703
5	2	5497.4	16	80	1523	2.8387
6	3	5497.4	16	75	1401	3.548956
7	3	5497.4	16	80	1416	4.802755
8	2	5497.4	16	50	1486	4.992048
9	1	5497.4	16	100		6.205333
10	2	5497.4	16	80	1615	6.661099
11	3	5497.4	16	55	1527	7.404175
12	2	5497.4	16	60	1713	7.930009
13	3	5497.4	16	80	1720	9.003512
14	2	5497.4	16	65	1777	9.268906
15	2	5497.4	16	65	1471	10.436941
16	1	5497.4	16	100		10.653506
17	1	5497.4	16	60		11.778735

USA Bin 5 Trial #8

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5495	10	60	2000	0.043433
2	1	5495	10	90		1.094583
3	1	5495	10	90		1.76168
4	3	5495	10	80	1985	2.362853
5	1	5495	10	70		3.459035
6	1	5495	10	100		4.005441
7	2	5495	10	75	1442	4.582442
8	2	5495	10	60	1195	5.417734
9	3	5495	10	80	1684	5.942318
10	1	5495	10	95		6.74126
11	3	5495	10	50	1157	7.080046



12	1	5495	10	70			8.217608
13	1	5495	10	60			8.624286
14	2	5495	10	65	1322		9.45013
15	1	5495	10	85			10.396886
16	3	5495	10	60	1699	1209	10.955292
17	3	5495	10	90	1696	1135	11.65338

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	5498.2	18	85		0.442979	
2	2	5498.2	18	55	1990	0.940897	
3	1	5498.2	18	50		2.028365	
4	1	5498.2	18	60		3.021139	
5	3	5498.2	18	90	1658	1750	4.141496
6	2	5498.2	18	100	1667		4.463471
7	3	5498.2	18	70	1246	1441	5.305012
8	3	5498.2	18	80	1760	1500	6.361649
9	3	5498.2	18	70	1776	1381	7.068828
10	2	5498.2	18	95	1019		8.258936
11	3	5498.2	18	100	1177	1093	8.626232
12	3	5498.2	18	70	1682	1664	9.712078
13	1	5498.2	18	85			10.70843
14	3	5498.2	18	90	1239	1382	11.152436

USA Bin 5 Trial #10

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	3	5495.8	12	55	1506	1341	0.716537
2	2	5495.8	12	85	1853		1.567298
3	2	5495.8	12	50	1963		3.740145
4	1	5495.8	12	100			5.04093
5	2	5495.8	12	95	1397		6.248519
6	3	5495.8	12	90	1112	1326	7.485733
7	2	5495.8	12	65	1247		8.755059
8	2	5495.8	12	60	1892		9.348355
9	2	5495.8	12	100	1627		11.505733

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	5500	19	70	1437	0.364213	
2	3	5500	19	75	1612	1888	2.578499
3	3	5500	19	80	1442	1502	4.146535
4	1	5500	19	100			5.410044
5	2	5500	19	70	1726		6.06212
6	1	5500	19	70			8.43222
7	2	5500	19	75	1814		10.161509
8	1	5500	19	95			11.565399

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5500	8	75	1315	0.206747	
2	1	5500	8	60		1.598649	
3	1	5500	8	75		2.504545	
4	1	5500	8	90		3.997185	
5	1	5500	8	85		5.943872	
6	3	5500	8	100	1352	1864	6.488837
7	3	5500	8	95	1275	1715	7.838198
8	2	5500	8	75	1392		8.603552
9	2	5500	8	50	1955		10.626083
10	1	5500	8	65			11.690032

USA Bin 5 Trial #13

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				



1	2	5500	6	95	1556		0.439964
2	2	5500	6	55	1822		1.220745
3	2	5500	6	80	1729		2.88233
4	2	5500	6	85	1848		3.614626
5	3	5500	6	65	1373	1025	5.067156
6	2	5500	6	100	1380		5.525258
7	3	5500	6	50	1382	1993	7.284401
8	3	5500	6	80	1120	1046	7.85286
9	2	5500	6	90	1849		9.456754
10	3	5500	6	55	1277	1434	9.896051
11	2	5500	6	50	1273		11.637442

USA Bin 5 Trial #14

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	2	5500	10	85	1169	0.358397
2	2	5500	10	90	1269	0.876406
3	2	5500	10	100	1417	1.514533
4	1	5500	10	90		2.493451
5	1	5500	10	85		2.67306
6	3	5500	10	95	1472	3.394152
7	3	5500	10	50	1624	4.629867
8	3	5500	10	70	1296	5.274078
9	3	5500	10	75	1062	5.874116
10	2	5500	10	85	1821	6.327072
11	1	5500	10	75		6.728287
12	3	5500	10	70	1159	7.830973
13	3	5500	10	55	1079	8.043838
14	3	5500	10	50	1393	8.722587
15	1	5500	10	100		9.762806
16	2	5500	10	85	1202	10.478659
17	1	5500	10	50		11.219415
18	3	5500	10	70	1812	11.942434

USA Bin 5 Trial #15

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	2	5500	20	65	1089	0.841734
2	2	5500	20	70	1610	1.154676
3	3	5500	20	100	1926	2.484497
4	1	5500	20	50		3.116001
5	2	5500	20	60	1383	4.705788
6	1	5500	20	70		5.561279
7	3	5500	20	65	1763	6.391469
8	1	5500	20	85		7.340064
9	3	5500	20	55	1880	8.18711
10	2	5500	20	50	1068	9.536352
11	3	5500	20	80	1490	10.449734
12	3	5500	20	70	1247	11.669303

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	20	75		0.190846
2	3	5500	20	50	1484	1.876726
3	3	5500	20	50	1421	2.852735
4	3	5500	20	65	1217	3.503876
5	2	5500	20	70	1060	4.314613
6	2	5500	20	65	1916	5.943621
7	1	5500	20	60		6.683883
8	3	5500	20	70	1018	7.153894
9	3	5500	20	75	1466	8.716344
10	1	5500	20	60		9.677711
11	1	5500	20	95		10.395275
12	1	5500	20	100		11.077878



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	19	50	1459	0.477942
2	2	5500	19	100	1534	0.907287
3	1	5500	19	90		1.615984
4	1	5500	19	70		2.46034
5	3	5500	19	55	1497	3.048748
6	3	5500	19	85	1720	3.901138
7	2	5500	19	50	1221	4.868116
8	1	5500	19	60		5.560627
9	2	5500	19	70	1030	5.861266
10	2	5500	19	80	1719	6.455163
11	1	5500	19	95		7.571048
12	3	5500	19	95	1820	8.080717
13	1	5500	19	100		9.091604
14	3	5500	19	95	1201	9.36281
15	1	5500	19	80		10.105161
16	1	5500	19	65		10.961602
17	3	5500	19	100	1787	11.59708

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	5500	10	95	1178	0.316636
2	1	5500	10	95		2.690377
3	1	5500	10	80		4.250713
4	2	5500	10	75	1180	5.472582
5	2	5500	10	60	1865	6.511188
6	3	5500	10	90	1721	8.568913
7	3	5500	10	65	1237	9.623952
8	2	5500	10	70	1315	11.451957

USA Bin 5 Trial #19

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5500	9	55	1822	0.480512
2	1	5500	9	55		1.03094
3	3	5500	9	55	1623	1.389635
4	1	5500	9	100		1.931463
5	1	5500	9	50		2.961007
6	1	5500	9	50		3.562964
7	3	5500	9	80	1302	3.715169
8	1	5500	9	70		4.753996
9	1	5500	9	85		5.068096
10	2	5500	9	70	1052	5.494465
11	1	5500	9	90		6.400294
12	2	5500	9	80	1432	6.801752
13	1	5500	9	80		7.598416
14	1	5500	9	70		7.963565
15	2	5500	9	65	1230	8.980984
16	3	5500	9	95	1582	9.399835
17	3	5500	9	55	1355	9.617721
18	1	5500	9	65		10.214155
19	2	5500	9	100	1386	11.107085
20	2	5500	9	90	1784	11.986199

USA Bin 5 Trial #20

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5500	14	65	1341	0.545786
2	2	5500	14	95	1091	1.175908
3	3	5500	14	50	1231	1.440664
4	1	5500	14	95		2.463788
5	2	5500	14	95	1757	3.166195



6	3	5500	14	85	1382	1648	3.431604
7	2	5500	14	95	1562		4.32483
8	2	5500	14	95	1317		5.206933
9	2	5500	14	60	1499		5.436945
10	2	5500	14	70	1069		6.653452
11	2	5500	14	70	1103		7.033105
12	1	5500	14	55			7.972697
13	3	5500	14	65	1323	1549	8.075053
14	3	5500	14	80	1676	1996	9.166656
15	3	5500	14	75	1142	1413	9.774338
16	3	5500	14	90	1988	1773	10.507963
17	2	5500	14	50	1920		10.882436
18	1	5500	14	65			11.81818

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	5503.8	13	50		0.472818
2	2	5503.8	13	85	1320	0.745249
3	3	5503.8	13	65	1911	1.77928
4	2	5503.8	13	80	1703	2.513858
5	1	5503.8	13	85		3.03759
6	2	5503.8	13	65	1845	3.238519
7	2	5503.8	13	55	1893	3.932794
8	2	5503.8	13	75	1524	4.946261
9	3	5503.8	13	80	1045	5.165494
10	3	5503.8	13	70	1863	6.093996
11	1	5503.8	13	95		6.887111
12	1	5503.8	13	50		7.575728
13	3	5503.8	13	75	1693	7.592361
14	1	5503.8	13	75		8.364349
15	1	5503.8	13	100		9.176984
16	3	5503.8	13	100	1886	9.775165
17	1	5503.8	13	90		10.730652
18	1	5503.8	13	65		11.212723
19	1	5503.8	13	55		11.494234

USA Bin 5 Trial #22

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5502.2	17	90	1755	0.422697
2	1	5502.2	17	75		0.749974
3	1	5502.2	17	75		1.640714
4	1	5502.2	17	100		2.232073
5	2	5502.2	17	85	1229	2.713476
6	2	5502.2	17	80	1785	3.581753
7	2	5502.2	17	65	1848	3.88357
8	1	5502.2	17	85		4.841984
9	2	5502.2	17	75	1623	5.604427
10	1	5502.2	17	75		6.226151
11	1	5502.2	17	50		6.535963
12	3	5502.2	17	100	1989	7.26191
13	2	5502.2	17	70	1926	7.627941
14	2	5502.2	17	75	1692	8.556462
15	1	5502.2	17	85		8.977153
16	3	5502.2	17	65	1388	9.845106
17	2	5502.2	17	55	1960	10.678731
18	1	5502.2	17	65		10.757915
19	2	5502.2	17	85	1666	11.830579

USA Bin 5 Trial #23

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5503.8	13	70	1655	0.562862
2	3	5503.8	13	60	1806	0.942964

3	3	5503.8	13	70	1512	1535	1.599702
4	2	5503.8	13	50	1517		2.327287
5	3	5503.8	13	65	1350	1686	2.666077
6	3	5503.8	13	80	1076	1744	3.4096
7	2	5503.8	13	90	1895		3.804738
8	3	5503.8	13	90	1695	1021	4.308032
9	2	5503.8	13	75	1031		5.064358
10	1	5503.8	13	95			5.614323
11	1	5503.8	13	50			6.219365
12	2	5503.8	13	90	1890		6.671058
13	1	5503.8	13	60			7.789715
14	2	5503.8	13	85	1487		7.937808
15	3	5503.8	13	95	1380	1594	8.89453
16	1	5503.8	13	80			9.480935
17	3	5503.8	13	95	1379	1877	9.951455
18	1	5503.8	13	95			10.448814
19	3	5503.8	13	65	1528	1389	10.922404
20	2	5503.8	13	75	1564		11.689557

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	5502.2	17	100	1973	1894	0.504284
2	1	5502.2	17	55			1.227774
3	1	5502.2	17	100			2.797655
4	1	5502.2	17	100			3.34943
5	3	5502.2	17	75	1068	1776	5.11174
6	2	5502.2	17	65	1281		5.96656
7	3	5502.2	17	70	1257	1632	7.123748
8	3	5502.2	17	80	1495	1934	8.326973
9	3	5502.2	17	60	1994	1982	8.941372
10	2	5502.2	17	90	1754		10.244242
11	3	5502.2	17	50	1947	1698	11.732283

USA Bin 5 Trial #25

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5506.2	7	65	1774	0.157987	
2	3	5506.2	7	100	1650	1594	1.191855
3	2	5506.2	7	85	1038		1.706878
4	3	5506.2	7	60	1128	1161	2.479812
5	3	5506.2	7	90	1502	1529	3.165709
6	1	5506.2	7	90			4.149546
7	1	5506.2	7	50			4.589969
8	2	5506.2	7	100	1284		5.068234
9	1	5506.2	7	55			5.854431
10	2	5506.2	7	100	1382		6.552153
11	2	5506.2	7	85	1864		7.558619
12	1	5506.2	7	95			8.051327
13	1	5506.2	7	90			8.672008
14	1	5506.2	7	100			9.56333
15	3	5506.2	7	65	1220	1529	10.136853
16	2	5506.2	7	60	1479		11.275612
17	3	5506.2	7	65	1658	1076	11.890858

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	5502.6	16	95	1237	1706	0.111623
2	3	5502.6	16	60	1958	1871	0.960344
3	3	5502.6	16	70	1057	1485	2.159784
4	1	5502.6	16	60			3.021608
5	3	5502.6	16	70	1640	1761	3.988374
6	1	5502.6	16	95			5.078368
7	1	5502.6	16	100			5.629817



8	2	5502.6	16	100	1252		6.73599
9	2	5502.6	16	55	1147		6.861206
10	1	5502.6	16	90			8.413557
11	2	5502.6	16	65	1569		8.76967
12	3	5502.6	16	95	1005	1720	10.194178
13	3	5502.6	16	90	1774	1810	10.551849
14	2	5502.6	16	100	1413		11.338271

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	5504.2	12	60	1991	0.583351
2	2	5504.2	12	80	1306	1.463795
3	2	5504.2	12	75	1166	1.632471
4	3	5504.2	12	70	1570	3.137385
5	3	5504.2	12	90	1497	3.734628
6	3	5504.2	12	60	1303	4.643316
7	1	5504.2	12	60		5.464335
8	2	5504.2	12	60	1328	6.343698
9	3	5504.2	12	50	1987	6.890102
10	2	5504.2	12	65	1860	7.793406
11	1	5504.2	12	50		8.650681
12	1	5504.2	12	85		8.927292
13	3	5504.2	12	75	1898	10.270634
14	1	5504.2	12	70		10.465358
15	3	5504.2	12	90	1470	11.748378

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	100	1804	0.740147
2	2	5506.6	6	65	1183	1.339273
3	3	5506.6	6	80	1440	1.966871
4	3	5506.6	6	65	1711	2.935112
5	3	5506.6	6	75	1207	3.489197
6	3	5506.6	6	55	1315	4.178798
7	3	5506.6	6	75	1123	4.991287
8	3	5506.6	6	55	1402	6.210641
9	3	5506.6	6	75	1640	6.775433
10	1	5506.6	6	100		7.938209
11	1	5506.6	6	85		8.70521
12	2	5506.6	6	60	1305	9.539392
13	3	5506.6	6	85	1705	10.080325
14	1	5506.6	6	80		10.911239
15	2	5506.6	6	70	1154	11.736903

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	1	5504.6	11	95		0.264874
2	3	5504.6	11	50	1705	1.09626
3	3	5504.6	11	80	1405	2.160242
4	1	5504.6	11	80		3.006278
5	3	5504.6	11	90	1740	3.337026
6	1	5504.6	11	70		4.066066
7	2	5504.6	11	65	1993	5.339458
8	3	5504.6	11	65	1619	6.24186
9	2	5504.6	11	70	1378	7.155702
10	3	5504.6	11	55	1399	7.538349
11	1	5504.6	11	90		8.097297
12	2	5504.6	11	55	1948	8.837118
13	1	5504.6	11	100		10.156144
14	1	5504.6	11	85		11.152219
15	1	5504.6	11	70		11.763494

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	5502.6	16	75	1146	0.401158
2	1	5502.6	16	80		1.623081
3	3	5502.6	16	65	1396	1207
4	1	5502.6	16	85		2.318894
5	1	5502.6	16	50		3.943505
6	3	5502.6	16	65	1638	1056
7	2	5502.6	16	85	1202	
8	1	5502.6	16	95		6.570743
9	2	5502.6	16	55	1127	
10	3	5502.6	16	50	1953	1328
11	1	5502.6	16	95		7.797701
12	1	5502.6	16	75		8.556441
						9.219945
						10.233789
						11.121033

USA Bin 5 Trial #1

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5497.8	17	55	1978	0.599783
2	1	5497.8	17	50		1.254125
3	1	5497.8	17	65		2.038205
4	3	5497.8	17	100	1342	1874
5	3	5497.8	17	100	1227	1656
6	2	5497.8	17	65	1174	
7	3	5497.8	17	75	1951	1841
8	3	5497.8	17	85	1156	1527
9	1	5497.8	17	90		5.012787
10	2	5497.8	17	55	1415	
11	2	5497.8	17	100	1620	
12	1	5497.8	17	95		6.722443
13	3	5497.8	17	70	1811	1381
14	2	5497.8	17	85	1050	
15	2	5497.8	17	95	1562	
16	2	5497.8	17	75	1159	
17	1	5497.8	17	100		7.124286
						8.140568
						9.033167
						9.442822
						10.102061
						11.085206
						11.673208

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5497.4	16	80	1924	1363
2	3	5497.4	16	80	1670	1621
3	2	5497.4	16	80	1117	
4	2	5497.4	16	80	1484	
5	3	5497.4	16	85	1513	1983
6	1	5497.4	16	70		5.245865
7	1	5497.4	16	95		6.267016
8	2	5497.4	16	100	1283	
9	2	5497.4	16	95	1075	
10	2	5497.4	16	90	1018	
11	2	5497.4	16	75	1906	
						7.268174
						7.693404
						9.743173
						9.869648
						11.441609

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	15	90	1724	1611
2	3	5497	15	60	1490	1225
3	1	5497	15	50		
4	1	5497	15	60		
5	2	5497	15	70	1061	
6	3	5497	15	90	1964	1531
7	1	5497	15	65		
8	1	5497	15	65		
9	2	5497	15	60	1572	
						1.297234
						1.425858
						3.388101
						5.32324
						6.322197
						7.042299
						8.468255
						9.492149
						10.8058

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	5494.6	9	70	1060	0.81871
2	3	5494.6	9	65	1287	1.695984
3	2	5494.6	9	65	1661	2.845987
4	1	5494.6	9	85		3.850485
5	1	5494.6	9	80		5.080482
6	1	5494.6	9	55		7.137195
7	3	5494.6	9	100	1591	7.746672
8	2	5494.6	9	85	1820	8.654336
9	2	5494.6	9	55	1356	9.885691
10	1	5494.6	9	95		11.253276

USA Bin 5 Trial #5

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5499	20	70	1204	1.488286
2	3	5499	20	65	1655	2.46383
3	3	5499	20	60	1074	4.332615
4	2	5499	20	85	1339	5.593328
5	2	5499	20	65	1198	6.506345
6	3	5499	20	55	1663	7.715928
7	2	5499	20	95	1866	10.118033
8	3	5499	20	50	1146	10.986217

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	5498.6	19	95		0.585172
2	1	5498.6	19	100		1.029569
3	1	5498.6	19	100		1.817588
4	3	5498.6	19	95	1870	2.680644
5	3	5498.6	19	60	1719	3.326949
6	2	5498.6	19	95	1113	3.869014
7	1	5498.6	19	95		4.816774
8	1	5498.6	19	60		5.350196
9	2	5498.6	19	65	1690	6.019618
10	2	5498.6	19	50	1802	6.358756
11	3	5498.6	19	80	1445	7.287256
12	3	5498.6	19	90	1064	8.269342
13	1	5498.6	19	95		8.898051
14	1	5498.6	19	60		9.360643
15	1	5498.6	19	65		10.281104
16	2	5498.6	19	100	1066	11.094746
17	2	5498.6	19	100	1128	11.953247

USA Bin 5 Trial #7

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5497.4	16	55		0.104926
2	2	5497.4	16	85	1133	0.996267
3	1	5497.4	16	70		1.868856
4	1	5497.4	16	90		2.305703
5	2	5497.4	16	80	1523	2.8387
6	3	5497.4	16	75	1401	3.548956
7	3	5497.4	16	80	1416	4.802755
8	2	5497.4	16	50	1486	4.992048
9	1	5497.4	16	100		6.205333
10	2	5497.4	16	80	1615	6.661099
11	3	5497.4	16	55	1527	7.404175
12	2	5497.4	16	60	1713	7.930009
13	3	5497.4	16	80	1720	9.003512
14	2	5497.4	16	65	1777	9.268906
15	2	5497.4	16	65	1471	10.436941
16	1	5497.4	16	100		10.653506

17	1	5497.4	16	60		11.778735
USA Bin 5 Trial #8						
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5495	10	60	2000	0.043433
2	1	5495	10	90		1.094583
3	1	5495	10	90		1.76168
4	3	5495	10	80	1985	2.362853
5	1	5495	10	70		3.459035
6	1	5495	10	100		4.005441
7	2	5495	10	75	1442	4.582442
8	2	5495	10	60	1195	5.417734
9	3	5495	10	80	1684	5.942318
10	1	5495	10	95		6.74126
11	3	5495	10	50	1157	7.080046
12	1	5495	10	70		8.217608
13	1	5495	10	60		8.624286
14	2	5495	10	65	1322	9.45013
15	1	5495	10	85		10.396886
16	3	5495	10	60	1699	10.955292
17	3	5495	10	90	1696	11.65338
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	5498.2	18	85		0.442979
2	2	5498.2	18	55	1990	0.940897
3	1	5498.2	18	50		2.028365
4	1	5498.2	18	60		3.021139
5	3	5498.2	18	90	1658	4.141496
6	2	5498.2	18	100	1667	4.463471
7	3	5498.2	18	70	1246	5.305012
8	3	5498.2	18	80	1760	6.361649
9	3	5498.2	18	70	1776	7.068828
10	2	5498.2	18	95	1019	8.258936
11	3	5498.2	18	100	1177	8.626232
12	3	5498.2	18	70	1682	9.712078
13	1	5498.2	18	85		10.70843
14	3	5498.2	18	90	1239	11.152436
USA Bin 5 Trial #10						
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5495.8	12	55	1506	0.716537
2	2	5495.8	12	85	1853	1.567298
3	2	5495.8	12	50	1963	3.740145
4	1	5495.8	12	100		5.04093
5	2	5495.8	12	95	1397	6.248519
6	3	5495.8	12	90	1112	7.485733
7	2	5495.8	12	65	1247	8.755059
8	2	5495.8	12	60	1892	9.348355
9	2	5495.8	12	100	1627	11.505733
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	5500	19	70	1437	0.364213
2	3	5500	19	75	1612	2.578499
3	3	5500	19	80	1442	4.146535
4	1	5500	19	100		5.410044
5	2	5500	19	70	1726	6.06212
6	1	5500	19	70		8.43222
7	2	5500	19	75	1814	10.161509
8	1	5500	19	95		11.565399
USA Bin 5 Trial #12						

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	2	5500	8	75	1315	0.206747
2	1	5500	8	60		1.598649
3	1	5500	8	75		2.504545
4	1	5500	8	90		3.997185
5	1	5500	8	85		5.943872
6	3	5500	8	100	1352	6.488837
7	3	5500	8	95	1275	7.838198
8	2	5500	8	75	1392	8.603552
9	2	5500	8	50	1955	10.626083
10	1	5500	8	65		11.690032

USA Bin 5 Trial #13

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	2	5500	6	95	1556	0.439964
2	2	5500	6	55	1822	1.220745
3	2	5500	6	80	1729	2.88233
4	2	5500	6	85	1848	3.614626
5	3	5500	6	65	1373	5.067156
6	2	5500	6	100	1380	5.525258
7	3	5500	6	50	1382	7.284401
8	3	5500	6	80	1120	7.85286
9	2	5500	6	90	1849	9.456754
10	3	5500	6	55	1277	9.896051
11	2	5500	6	50	1273	11.637442

USA Bin 5 Trial #14

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	2	5500	10	85	1169	0.358397
2	2	5500	10	90	1269	0.876406
3	2	5500	10	100	1417	1.514533
4	1	5500	10	90		2.493451
5	1	5500	10	85		2.67306
6	3	5500	10	95	1472	3.394152
7	3	5500	10	50	1624	4.629867
8	3	5500	10	70	1296	5.274078
9	3	5500	10	75	1062	5.874116
10	2	5500	10	85	1821	6.327072
11	1	5500	10	75		6.728287
12	3	5500	10	70	1159	7.830973
13	3	5500	10	55	1079	8.043838
14	3	5500	10	50	1393	8.722587
15	1	5500	10	100		9.762806
16	2	5500	10	85	1202	10.478659
17	1	5500	10	50		11.219415
18	3	5500	10	70	1812	11.942434

USA Bin 5 Trial #15

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	2	5500	20	65	1089	0.841734
2	2	5500	20	70	1610	1.154676
3	3	5500	20	100	1926	2.484497
4	1	5500	20	50		3.116001
5	2	5500	20	60	1383	4.705788
6	1	5500	20	70		5.561279
7	3	5500	20	65	1763	6.391469
8	1	5500	20	85		7.340064
9	3	5500	20	55	1880	8.18711
10	2	5500	20	50	1068	9.536352
11	3	5500	20	80	1490	10.449734
12	3	5500	20	70	1247	11.669303



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	20	75		0.190846
2	3	5500	20	50	1484	1.876726
3	3	5500	20	50	1421	2.852735
4	3	5500	20	65	1217	3.503876
5	2	5500	20	70	1060	4.314613
6	2	5500	20	65	1916	5.943621
7	1	5500	20	60		6.683883
8	3	5500	20	70	1018	7.153894
9	3	5500	20	75	1466	8.716344
10	1	5500	20	60		9.677711
11	1	5500	20	95		10.395275
12	1	5500	20	100		11.077878

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	19	50	1459	0.477942
2	2	5500	19	100	1534	0.907287
3	1	5500	19	90		1.615984
4	1	5500	19	70		2.46034
5	3	5500	19	55	1497	3.048748
6	3	5500	19	85	1720	3.901138
7	2	5500	19	50	1221	4.868116
8	1	5500	19	60		5.560627
9	2	5500	19	70	1030	5.861266
10	2	5500	19	80	1719	6.455163
11	1	5500	19	95		7.571048
12	3	5500	19	95	1820	8.080717
13	1	5500	19	100		9.091604
14	3	5500	19	95	1201	9.36281
15	1	5500	19	80		10.105161
16	1	5500	19	65		10.961602
17	3	5500	19	100	1787	11.59708

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	5500	10	95	1178	0.316636
2	1	5500	10	95		2.690377
3	1	5500	10	80		4.250713
4	2	5500	10	75	1180	5.472582
5	2	5500	10	60	1865	6.511188
6	3	5500	10	90	1721	8.568913
7	3	5500	10	65	1237	9.623952
8	2	5500	10	70	1315	11.451957

USA Bin 5 Trial #19

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5500	9	55	1822	0.480512
2	1	5500	9	55		1.03094
3	3	5500	9	55	1623	1.389635
4	1	5500	9	100		1.931463
5	1	5500	9	50		2.961007
6	1	5500	9	50		3.562964
7	3	5500	9	80	1302	3.715169
8	1	5500	9	70		4.753996
9	1	5500	9	85		5.068096
10	2	5500	9	70	1052	5.494465
11	1	5500	9	90		6.400294
12	2	5500	9	80	1432	6.801752
13	1	5500	9	80		7.598416



14	1	5500	9	70			7.963565
15	2	5500	9	65	1230		8.980984
16	3	5500	9	95	1582	1113	9.399835
17	3	5500	9	55	1355	1963	9.617721
18	1	5500	9	65			10.214155
19	2	5500	9	100	1386		11.107085
20	2	5500	9	90	1784		11.986199

USA Bin 5 Trial #20

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5500	14	65	1341	0.545786
2	2	5500	14	95	1091	1.175908
3	3	5500	14	50	1231	1.440664
4	1	5500	14	95		2.463788
5	2	5500	14	95	1757	3.166195
6	3	5500	14	85	1382	3.431604
7	2	5500	14	95	1562	4.32483
8	2	5500	14	95	1317	5.206933
9	2	5500	14	60	1499	5.436945
10	2	5500	14	70	1069	6.653452
11	2	5500	14	70	1103	7.033105
12	1	5500	14	55		7.972697
13	3	5500	14	65	1323	8.075053
14	3	5500	14	80	1676	9.166656
15	3	5500	14	75	1142	9.774338
16	3	5500	14	90	1988	10.507963
17	2	5500	14	50	1920	10.882436
18	1	5500	14	65		11.81818

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	5503.8	13	50		0.472818
2	2	5503.8	13	85	1320	0.745249
3	3	5503.8	13	65	1911	1.77928
4	2	5503.8	13	80	1703	2.513858
5	1	5503.8	13	85		3.03759
6	2	5503.8	13	65	1845	3.238519
7	2	5503.8	13	55	1893	3.932794
8	2	5503.8	13	75	1524	4.946261
9	3	5503.8	13	80	1045	5.165494
10	3	5503.8	13	70	1863	6.093996
11	1	5503.8	13	95		6.887111
12	1	5503.8	13	50		7.575728
13	3	5503.8	13	75	1693	7.592361
14	1	5503.8	13	75		8.364349
15	1	5503.8	13	100		9.176984
16	3	5503.8	13	100	1886	9.775165
17	1	5503.8	13	90		10.730652
18	1	5503.8	13	65		11.212723
19	1	5503.8	13	55		11.494234

USA Bin 5 Trial #22

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5502.2	17	90	1755	0.422697
2	1	5502.2	17	75		0.749974
3	1	5502.2	17	75		1.640714
4	1	5502.2	17	100		2.232073
5	2	5502.2	17	85	1229	2.713476
6	2	5502.2	17	80	1785	3.581753
7	2	5502.2	17	65	1848	3.88357
8	1	5502.2	17	85		4.841984
9	2	5502.2	17	75	1623	5.604427



10	1	5502.2	17	75			6.226151
11	1	5502.2	17	50			6.535963
12	3	5502.2	17	100	1989	1423	7.26191
13	2	5502.2	17	70	1926		7.627941
14	2	5502.2	17	75	1692		8.556462
15	1	5502.2	17	85			8.977153
16	3	5502.2	17	65	1388	1030	9.845106
17	2	5502.2	17	55	1960		10.678731
18	1	5502.2	17	65			10.757915
19	2	5502.2	17	85	1666		11.830579

USA Bin 5 Trial #23

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5503.8	13	70	1655	0.562862
2	3	5503.8	13	60	1806	0.942964
3	3	5503.8	13	70	1512	1.599702
4	2	5503.8	13	50	1517	2.327287
5	3	5503.8	13	65	1350	2.666077
6	3	5503.8	13	80	1076	3.4096
7	2	5503.8	13	90	1895	3.804738
8	3	5503.8	13	90	1695	4.308032
9	2	5503.8	13	75	1031	5.064358
10	1	5503.8	13	95		5.614323
11	1	5503.8	13	50		6.219365
12	2	5503.8	13	90	1890	6.671058
13	1	5503.8	13	60		7.789715
14	2	5503.8	13	85	1487	7.937808
15	3	5503.8	13	95	1380	8.89453
16	1	5503.8	13	80		9.480935
17	3	5503.8	13	95	1379	9.951455
18	1	5503.8	13	95		10.448814
19	3	5503.8	13	65	1528	10.922404
20	2	5503.8	13	75	1564	11.689557

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	5502.2	17	100	1973	0.504284
2	1	5502.2	17	55		1.227774
3	1	5502.2	17	100		2.797655
4	1	5502.2	17	100		3.34943
5	3	5502.2	17	75	1068	5.11174
6	2	5502.2	17	65	1281	5.96656
7	3	5502.2	17	70	1257	7.123748
8	3	5502.2	17	80	1495	8.326973
9	3	5502.2	17	60	1994	8.941372
10	2	5502.2	17	90	1754	10.244242
11	3	5502.2	17	50	1947	11.732283

USA Bin 5 Trial #25

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5506.2	7	65	1774	0.157987
2	3	5506.2	7	100	1650	1.191855
3	2	5506.2	7	85	1038	1.706878
4	3	5506.2	7	60	1128	2.479812
5	3	5506.2	7	90	1502	3.165709
6	1	5506.2	7	90		4.149546
7	1	5506.2	7	50		4.589969
8	2	5506.2	7	100	1284	5.068234
9	1	5506.2	7	55		5.854431
10	2	5506.2	7	100	1382	6.552153
11	2	5506.2	7	85	1864	7.558619
12	1	5506.2	7	95		8.051327



13	1	5506.2	7	90			8.672008
14	1	5506.2	7	100			9.56333
15	3	5506.2	7	65	1220	1529	10.136853
16	2	5506.2	7	60	1479		11.275612
17	3	5506.2	7	65	1658	1076	11.890858

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	5502.6	16	95	1237	1706	0.111623
2	3	5502.6	16	60	1958	1871	0.960344
3	3	5502.6	16	70	1057	1485	2.159784
4	1	5502.6	16	60			3.021608
5	3	5502.6	16	70	1640	1761	3.988374
6	1	5502.6	16	95			5.078368
7	1	5502.6	16	100			5.629817
8	2	5502.6	16	100	1252		6.73599
9	2	5502.6	16	55	1147		6.861206
10	1	5502.6	16	90			8.413557
11	2	5502.6	16	65	1569		8.76967
12	3	5502.6	16	95	1005	1720	10.194178
13	3	5502.6	16	90	1774	1810	10.551849
14	2	5502.6	16	100	1413		11.338271

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	5504.2	12	60	1991	0.583351	
2	2	5504.2	12	80	1306	1.463795	
3	2	5504.2	12	75	1166	1.632471	
4	3	5504.2	12	70	1570	1685	3.137385
5	3	5504.2	12	90	1497	1926	3.734628
6	3	5504.2	12	60	1303	1715	4.643316
7	1	5504.2	12	60			5.464335
8	2	5504.2	12	60	1328		6.343698
9	3	5504.2	12	50	1987	1565	6.890102
10	2	5504.2	12	65	1860		7.793406
11	1	5504.2	12	50			8.650681
12	1	5504.2	12	85			8.927292
13	3	5504.2	12	75	1898	1220	10.270634
14	1	5504.2	12	70			10.465358
15	3	5504.2	12	90	1470	1974	11.748378

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	100	1804	0.740147	
2	2	5506.6	6	65	1183	1.339273	
3	3	5506.6	6	80	1440	1277	1.966871
4	3	5506.6	6	65	1711	1980	2.935112
5	3	5506.6	6	75	1207	1002	3.489197
6	3	5506.6	6	55	1315	1312	4.178798
7	3	5506.6	6	75	1123	1933	4.991287
8	3	5506.6	6	55	1402	1443	6.210641
9	3	5506.6	6	75	1640	1165	6.775433
10	1	5506.6	6	100			7.938209
11	1	5506.6	6	85			8.70521
12	2	5506.6	6	60	1305		9.539392
13	3	5506.6	6	85	1705	1290	10.080325
14	1	5506.6	6	80			10.911239
15	2	5506.6	6	70	1154		11.736903

USA Bin 5 Trial #29

SAR Data Parameters						
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5504.6	11	95		0.264874



2	3	5504.6	11	50	1705	1780	1.09626
3	3	5504.6	11	80	1405	1748	2.160242
4	1	5504.6	11	80			3.006278
5	3	5504.6	11	90	1740	1053	3.337026
6	1	5504.6	11	70			4.066066
7	2	5504.6	11	65	1993		5.339458
8	3	5504.6	11	65	1619	1922	6.24186
9	2	5504.6	11	70	1378		7.155702
10	3	5504.6	11	55	1399	1428	7.538349
11	1	5504.6	11	90			8.097297
12	2	5504.6	11	55	1948		8.837118
13	1	5504.6	11	100			10.156144
14	1	5504.6	11	85			11.152219
15	1	5504.6	11	70			11.763494

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	5502.6	16	75	1146	0.401158
2	1	5502.6	16	80		1.623081
3	3	5502.6	16	65	1396	1207
4	1	5502.6	16	85		2.318894
5	1	5502.6	16	50		3.943505
6	3	5502.6	16	65	1638	1056
7	2	5502.6	16	85	1202	
8	1	5502.6	16	95		5.635662
9	2	5502.6	16	55	1127	
10	3	5502.6	16	50	1953	1328
11	1	5502.6	16	95		6.570743
12	1	5502.6	16	75		7.797701
						8.556441
						9.219945
						10.233789
						11.121033

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

Channel 5500 MHz, 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	96.7%	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	0		
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)
21	5497	63
61	5498	183
78	5492	234

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
15	5493	45
39	5494	117
40	5503	120
71	5491	213

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
18	5505	54
34	5501	102
43	5496	129
69	5499	207
83	5494	249
99	5508	297

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
51	5502	153
66	5500	198
68	5496	204
72	5495	216
78	5499	234
82	5491	246
98	5492	294

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
17	5509	51
38	5505	114
43	5507	129
44	5502	132
62	5491	186

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
9	5499	27
24	5506	72
33	5507	99
98	5497	294

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
37	5496	111
97	5503	291

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
36	5492	108
41	5496	123
89	5502	267

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
11	5495	33
48	5498	144
93	5499	279
99	5509	297

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
14	5502	42
16	5497	48
62	5495	186

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
59	5496	177
64	5508	192

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
73	5500	219

82	5501	246
92	5494	276
97	5495	291

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
5	5495	15
31	5503	93
79	5505	237
81	5492	243
93	5506	279

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
17	5496	51
28	5507	84
29	5499	87
93	5497	279
96	5502	288
98	5494	294

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
4	5508	12
22	5507	66
24	5492	72
45	5505	135
48	5502	144
54	5501	162
58	5497	174
75	5494	225
93	5509	279

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
14	5498	42
42	5502	126
43	5507	129
47	5495	141
63	5496	189
80	5508	240
83	5491	249
87	5493	261

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
8	5501	24
9	5492	27
60	5499	180
94	5502	282

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
9	5498	27
28	5491	84
33	5495	99
40	5506	120
54	5499	162

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
20	5493	60
32	5502	96
84	5508	252
95	5499	285

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
16	5500	48
73	5493	219
85	5494	255

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
39	5497	117
44	5491	132
46	5507	138
64	5508	192

73	5505	219
86	5493	258
USA Frequency Hopping Trial #22		
Hop #	Freq (GHz)	Pulse Start (mS)
47	5496	141
55	5500	165
63	5505	189
78	5499	234
81	5509	243
USA Frequency Hopping Trial #23		
Hop #	Freq (GHz)	Pulse Start (mS)
6	5493	18
13	5507	39
41	5499	123
84	5500	252
USA Frequency Hopping Trial #24		
Hop #	Freq (GHz)	Pulse Start (mS)
26	5503	78
35	5505	105
65	5492	195
USA Frequency Hopping Trial #25		
Hop #	Freq (GHz)	Pulse Start (mS)
46	5498	138
74	5500	222
84	5501	252
USA Frequency Hopping Trial #26		
Hop #	Freq (GHz)	Pulse Start (mS)
25	5491	75
38	5499	114
40	5506	120
48	5507	144
49	5493	147
71	5496	213
82	5495	246
93	5498	279
USA Frequency Hopping Trial #27		
Hop #	Freq (GHz)	Pulse Start (mS)
34	5506	102
63	5508	189
67	5503	201
86	5493	258
USA Frequency Hopping Trial #28		
Hop #	Freq (GHz)	Pulse Start (mS)
40	5501	120
48	5502	144
60	5506	180
USA Frequency Hopping Trial #29		
Hop #	Freq (GHz)	Pulse Start (mS)
3	5495	9
44	5506	132
81	5508	243
96	5492	288
USA Frequency Hopping Trial #30		
Hop #	Freq (GHz)	Pulse Start (mS)
11	5503	33
30	5502	90
68	5506	204
72	5491	216
99	5497	297
USA Frequency Hopping Trial #1		
Hop #	Freq (GHz)	Pulse Start (mS)
21	5497	63
61	5498	183
78	5492	234
USA Frequency Hopping Trial #2		
Hop #	Freq (GHz)	Pulse Start (mS)
15	5493	45
39	5494	117
40	5503	120

71	5491	213
USA Frequency Hopping Trial #3		
Hop #	Freq (GHz)	Pulse Start (mS)
18	5505	54
34	5501	102
43	5496	129
69	5499	207
83	5494	249
99	5508	297
USA Frequency Hopping Trial #4		
Hop #	Freq (GHz)	Pulse Start (mS)
51	5502	153
66	5500	198
68	5496	204
72	5495	216
78	5499	234
82	5491	246
98	5492	294
USA Frequency Hopping Trial #5		
Hop #	Freq (GHz)	Pulse Start (mS)
17	5509	51
38	5505	114
43	5507	129
44	5502	132
62	5491	186
USA Frequency Hopping Trial #6		
Hop #	Freq (GHz)	Pulse Start (mS)
9	5499	27
24	5506	72
33	5507	99
98	5497	294
USA Frequency Hopping Trial #7		
Hop #	Freq (GHz)	Pulse Start (mS)
37	5496	111
97	5503	291
USA Frequency Hopping Trial #8		
Hop #	Freq (GHz)	Pulse Start (mS)
36	5492	108
41	5496	123
89	5502	267
USA Frequency Hopping Trial #9		
Hop #	Freq (GHz)	Pulse Start (mS)
11	5495	33
48	5498	144
93	5499	279
99	5509	297
USA Frequency Hopping Trial #10		
Hop #	Freq (GHz)	Pulse Start (mS)
14	5502	42
16	5497	48
62	5495	186
USA Frequency Hopping Trial #11		
Hop #	Freq (GHz)	Pulse Start (mS)
59	5496	177
64	5508	192
USA Frequency Hopping Trial #12		
Hop #	Freq (GHz)	Pulse Start (mS)
73	5500	219
82	5501	246
92	5494	276
97	5495	291
USA Frequency Hopping Trial #13		
Hop #	Freq (GHz)	Pulse Start (mS)
5	5495	15
31	5503	93
79	5505	237
81	5492	243
93	5506	279
USA Frequency Hopping Trial #14		

Hop #	Freq (GHz)	Pulse Start (mS)
17	5496	51
28	5507	84
29	5499	87
93	5497	279
96	5502	288
98	5494	294

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
4	5508	12
22	5507	66
24	5492	72
45	5505	135
48	5502	144
54	5501	162
58	5497	174
75	5494	225
93	5509	279

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
14	5498	42
42	5502	126
43	5507	129
47	5495	141
63	5496	189
80	5508	240
83	5491	249
87	5493	261

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
8	5501	24
9	5492	27
60	5499	180
94	5502	282

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
9	5498	27
28	5491	84
33	5495	99
40	5506	120
54	5499	162

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
20	5493	60
32	5502	96
84	5508	252
95	5499	285

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
16	5500	48
73	5493	219
85	5494	255

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
39	5497	117
44	5491	132
46	5507	138
64	5508	192
73	5505	219
86	5493	258

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
47	5496	141
55	5500	165
63	5505	189
78	5499	234
81	5509	243

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
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6	5493	18
13	5507	39
41	5499	123
84	5500	252
USA Frequency Hopping Trial #24		
Hop #	Freq (GHz)	Pulse Start (mS)
26	5503	78
35	5505	105
65	5492	195
USA Frequency Hopping Trial #25		
Hop #	Freq (GHz)	Pulse Start (mS)
46	5498	138
74	5500	222
84	5501	252
USA Frequency Hopping Trial #26		
Hop #	Freq (GHz)	Pulse Start (mS)
25	5491	75
38	5499	114
40	5506	120
48	5507	144
49	5493	147
71	5496	213
82	5495	246
93	5498	279
USA Frequency Hopping Trial #27		
Hop #	Freq (GHz)	Pulse Start (mS)
34	5506	102
63	5508	189
67	5503	201
86	5493	258
USA Frequency Hopping Trial #28		
Hop #	Freq (GHz)	Pulse Start (mS)
40	5501	120
48	5502	144
60	5506	180
USA Frequency Hopping Trial #29		
Hop #	Freq (GHz)	Pulse Start (mS)
3	5495	9
44	5506	132
81	5508	243
96	5492	288
USA Frequency Hopping Trial #30		
Hop #	Freq (GHz)	Pulse Start (mS)
11	5503	33
30	5502	90
68	5506	204
72	5491	216
99	5497	297


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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5510	62	1	858	1	100.0%	60.0%
2	5510	81	1	658	1		
3	5510	62	1	858	1		
4	5510	57	1	938	1		
5	5510	57	1	938	1		
6	5510	74	1	718	1		
7	5510	72	1	738	1		
8	5510	74	1	718	1		
9	5510	72	1	738	1		
10	5510	18	1	3066	1		
11	5510	58	1	918	1		
12	5510	74	1	718	1		
13	5510	62	1	858	1		
14	5510	78	1	678	1		
15	5510	89	1	598	1		
16	5510	18	1	3053	1		
17	5510	23	1	2344	1		
18	5510	26	1	2066	1		
19	5510	33	1	1638	1		
20	5510	29	1	1884	1		
21	5510	21	1	2616	1		
22	5510	21	1	2589	1		
23	5510	41	1	1299	1		
24	5510	47	1	1134	1		
25	5510	29	1	1854	1		
26	5510	19	1	2921	1		
27	5510	20	1	2671	1		
28	5510	22	1	2468	1		
29	5510	26	1	2035	1		
30	5510	33	1	1623	1		


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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5510	65	1	818	1	100.0%	60.0%
2	5510	99	1	538	1		
3	5510	59	1	898	1		
4	5510	70	1	758	1		
5	5510	68	1	778	1		
6	5510	62	1	858	1		
7	5510	67	1	798	1		
8	5510	83	1	638	1		
9	5510	95	1	558	1		
10	5510	57	1	938	1		
11	5510	95	1	558	1		
12	5510	99	1	538	1		
13	5510	63	1	838	1		
14	5510	65	1	818	1		
15	5510	83	1	638	1		
16	5510	81	1	654	1		
17	5510	25	1	2133	1		
18	5510	41	1	1316	1		
19	5510	59	1	897	1		
20	5510	102	1	521	1		
21	5510	36	1	1475	1		
22	5510	31	1	1757	1		
23	5510	93	1	568	1		
24	5510	38	1	1395	1		
25	5510	22	1	2509	1		
26	5510	49	1	1095	1		
27	5510	31	1	1721	1		
28	5510	77	1	689	1		
29	5510	34	1	1589	1		
30	5510	20	1	2685	1		

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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5510	28	5	222	1	100.0%	60.0%
2	5510	27	4.8	158	1		
3	5510	23	1.3	155	1		
4	5510	26	2.7	199	1		
5	5510	29	4.1	192	1		
6	5510	27	4.6	157	1		
7	5510	27	3.5	196	1		
8	5510	24	1.5	212	1		
9	5510	26	3.6	179	1		
10	5510	24	1.1	206	1		
11	5510	25	3.3	222	1		
12	5510	28	4.2	229	1		
13	5510	29	4.7	214	1		
14	5510	27	3.7	217	1		
15	5510	23	1.9	166	1		
16	5510	25	4.2	202	1		
17	5510	29	3.6	192	1		
18	5510	24	2.2	213	1		
19	5510	24	1.8	206	1		
20	5510	23	3.4	181	1		
21	5510	23	1.1	199	1		
22	5510	28	2	150	1		
23	5510	27	2	222	1		
24	5510	24	3	216	1		
25	5510	26	4.4	152	1		
26	5510	26	3	209	1		
27	5510	28	2.9	172	1		
28	5510	28	2.3	180	1		
29	5510	28	4.7	198	1		
30	5510	27	4.7	225	1		

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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5510	16	8.7	497	1	90.0%	60.0%
2	5510	16	8.5	399	1		
3	5510	16	6.4	376	1		
4	5510	17	6.4	292	1		
5	5510	18	8.5	287	1		
6	5510	18	7.7	452	1		
7	5510	16	6.5	321	1		
8	5510	18	8	459	1		
9	5510	17	6.7	397	1		
10	5510	17	8.7	209	0		
11	5510	16	8.7	463	1		
12	5510	16	6.7	499	1		
13	5510	16	9.3	495	1		
14	5510	16	6.4	344	1		
15	5510	17	7.8	443	1		
16	5510	18	8.9	473	1		
17	5510	17	9.5	497	1		
18	5510	16	6.8	369	1		
19	5510	18	6.7	256	1		
20	5510	16	6.1	273	1		
21	5510	17	6.2	215	0		
22	5510	18	9.6	244	1		
23	5510	18	10	287	1		
24	5510	16	7.9	221	1		
25	5510	17	6.2	344	1		
26	5510	18	9.9	268	1		
27	5510	16	8.3	496	0		
28	5510	17	9.9	495	1		
29	5510	18	7.2	450	1		
30	5510	18	6.5	472	1		

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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5510	16	18.1	374	1	100.0%	60.0%
2	5510	15	19.5	498	1		
3	5510	15	17.4	402	1		
4	5510	12	14.8	234	1		
5	5510	16	15.6	416	1		
6	5510	14	17.7	381	1		
7	5510	16	14.8	322	1		
8	5510	13	12.6	335	1		
9	5510	16	14.2	417	1		
10	5510	12	19	295	1		
11	5510	16	14.6	220	1		
12	5510	16	15.3	334	1		
13	5510	12	16.4	284	1		
14	5510	13	12	378	1		
15	5510	12	12.2	212	1		
16	5510	14	19.6	343	1		
17	5510	16	18.7	390	1		
18	5510	15	11.4	445	1		
19	5510	13	18.2	296	1		
20	5510	13	19.2	289	1		
21	5510	12	15.4	389	1		
22	5510	16	19.5	352	1		
23	5510	13	17.3	309	1		
24	5510	12	18.5	244	1		
25	5510	16	16.5	220	1		
26	5510	16	12.2	482	1		
27	5510	13	15.3	441	1		
28	5510	14	15	485	1		
29	5510	12	17.3	395	1		
30	5510	12	13.1	403	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:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100.0\% + 100.0\% + 100.0\% + 96.7\% + 93.3\%) / 5 = 98.0\% (>80\%)$$

*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	2	5498.8	17	55	1423	0.011026
2	2	5498.8	17	55	1121	0.931803
3	2	5498.8	17	75	1542	1.530229
4	3	5498.8	17	80	1510	1.907851
5	3	5498.8	17	80	1077	2.790739
6	2	5498.8	17	80	1175	3.503327
7	1	5498.8	17	50		3.728341
8	3	5498.8	17	65	1817	4.40193
9	3	5498.8	17	90	1901	5.161661
10	3	5498.8	17	75	1186	5.905834
11	2	5498.8	17	50	1961	6.309993
12	1	5498.8	17	100		6.992445
13	3	5498.8	17	60	1228	7.706768
14	3	5498.8	17	65	1613	8.127621
15	3	5498.8	17	95	1270	8.732683
16	2	5498.8	17	50	1981	9.439257
17	1	5498.8	17	75		9.704233
18	3	5498.8	17	80	1331	10.612742
19	1	5498.8	17	90		10.977683
20	1	5498.8	17	75		11.678208

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5499.2	18	70	1654	0.649582
2	1	5499.2	18	70		0.877797
3	1	5499.2	18	55		1.64918
4	3	5499.2	18	65	1468	2.27374
5	1	5499.2	18	90		3.454166
6	1	5499.2	18	90		3.960036
7	3	5499.2	18	90	1499	4.292474
8	3	5499.2	18	70	1434	5.036051
9	1	5499.2	18	70		5.731129
10	2	5499.2	18	90	1023	6.981191
11	2	5499.2	18	50	1464	7.567912
12	2	5499.2	18	60	1753	8.462189
13	3	5499.2	18	95	1444	8.936094
14	3	5499.2	18	80	1252	9.804482
15	3	5499.2	18	80	1920	10.104431
16	1	5499.2	18	85		10.857494
17	3	5499.2	18	80	1274	11.911284

USA Bin 5 Trial #3

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5498.8	17	60		0.204948
2	2	5498.8	17	75	1568	1.332977
3	1	5498.8	17	60		1.519358
4	1	5498.8	17	80		2.658837
5	3	5498.8	17	95	1431	3.057533
6	1	5498.8	17	95		3.75788
7	2	5498.8	17	70	1757	4.577173
8	1	5498.8	17	50		5.554398
9	1	5498.8	17	95		6.163085
10	1	5498.8	17	80		6.681078
11	2	5498.8	17	55	1837	7.675429
12	3	5498.8	17	75	1850	8.253071
13	1	5498.8	17	85		8.980494
14	1	5498.8	17	50		9.803835
15	1	5498.8	17	80		9.92975
16	2	5498.8	17	95	1338	10.594586



17	2	5498.8	17	85	1147		11.815154
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	5498.4	16	50			0.100508
2	3	5498.4	16	50	1997	1221	0.672283
3	3	5498.4	16	70	1650	1923	1.718001
4	1	5498.4	16	60			2.49342
5	2	5498.4	16	70	1089		2.972714
6	2	5498.4	16	55	1053		3.536384
7	1	5498.4	16	90			4.113085
8	3	5498.4	16	100	1604	1641	4.500967
9	2	5498.4	16	95	1613		5.681505
10	2	5498.4	16	65	1215		6.190413
11	1	5498.4	16	90			6.438338
12	2	5498.4	16	65	1439		7.577148
13	1	5498.4	16	50			7.922244
14	2	5498.4	16	60	1618		8.502605
15	1	5498.4	16	85			9.041741
16	2	5498.4	16	100	1719		9.972622
17	3	5498.4	16	50	1329	1387	10.262095
18	1	5498.4	16	95			10.879298
19	2	5498.4	16	55	1567		11.884896
USA Bin 5 Trial #5							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5495.6	9	65	1319		0.466828
2	3	5495.6	9	85	1688	1867	1.03261
3	3	5495.6	9	95	1680	1582	1.789189
4	2	5495.6	9	80	1257		2.65653
5	2	5495.6	9	100	1801		2.863774
6	3	5495.6	9	60	1713	1238	3.970338
7	1	5495.6	9	90			4.586618
8	3	5495.6	9	60	1577	1569	4.763099
9	1	5495.6	9	65			5.578092
10	3	5495.6	9	75	1093	1316	6.190121
11	2	5495.6	9	95	1964		7.231714
12	3	5495.6	9	65	1617	1447	7.909702
13	2	5495.6	9	70	1730		8.419488
14	3	5495.6	9	75	1319	1775	8.689466
15	2	5495.6	9	90	1000		9.61244
16	1	5495.6	9	75			10.047926
17	2	5495.6	9	80	1027		11.10262
18	1	5495.6	9	85			11.33952
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	5498.4	16	60	1425		0.280019
2	1	5498.4	16	55			2.06373
3	3	5498.4	16	55	1981	1271	2.863861
4	3	5498.4	16	60	1527	1990	4.424083
5	1	5498.4	16	50			6.350924
6	2	5498.4	16	55	1609		7.255726
7	3	5498.4	16	80	1782	1150	8.884096
8	1	5498.4	16	55			9.771399
9	1	5498.4	16	55			11.344608
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	5497.6	14	65	1243	1611	0.43373
2	2	5497.6	14	70	1970		1.426604
3	2	5497.6	14	70	1229		1.514546

4	3	5497.6	14	70	1271	1414	2.313093
5	2	5497.6	14	50	1058		3.128822
6	3	5497.6	14	95	1506	1447	3.960348
7	2	5497.6	14	95	1135		4.590923
8	3	5497.6	14	55	1540	1853	5.801886
9	2	5497.6	14	95	1286		6.736856
10	3	5497.6	14	55	1498	1199	7.172808
11	3	5497.6	14	60	1106	1017	7.692671
12	3	5497.6	14	55	1776	1599	8.601294
13	2	5497.6	14	85	1464		9.700093
14	1	5497.6	14	60			9.76283
15	1	5497.6	14	70			11.088911
16	3	5497.6	14	85	1051	1170	11.373105

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	3	5497.2	13	95	1206	1189	0.359927
2	2	5497.2	13	60	1621		1.362153
3	2	5497.2	13	75	1649		2.568505
4	3	5497.2	13	85	1328	1395	3.690012
5	2	5497.2	13	65	1913		5.032275
6	2	5497.2	13	85	1149		6.780486
7	3	5497.2	13	80	1371	1334	7.244473
8	3	5497.2	13	95	1302	1532	9.268974
9	1	5497.2	13	80			9.616814
10	1	5497.2	13	80			10.833105

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	5496.4	11	50		0.212821	
2	1	5496.4	11	55		2.295114	
3	3	5496.4	11	50	1114	1779	2.434234
4	2	5496.4	11	60	1601		4.021023
5	3	5496.4	11	95	1271	1376	5.42935
6	2	5496.4	11	95	1627		6.205616
7	3	5496.4	11	100	1199	1965	7.228153
8	2	5496.4	11	70	1231		8.934656
9	3	5496.4	11	70	1305	1700	10.346829
10	3	5496.4	11	95	1447	1111	11.642681

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	5497.2	13	85	1774	0.043767
2	1	5497.2	13	80		1.160795
3	3	5497.2	13	70	1581	1785
4	2	5497.2	13	55	1920	1.619968
5	1	5497.2	13	100		2.694018
6	1	5497.2	13	50		3.363563
7	1	5497.2	13	100		4.408129
8	3	5497.2	13	55	1067	1038
9	3	5497.2	13	90	1632	1292
10	2	5497.2	13	100	1803	6.792747
11	1	5497.2	13	80		7.377722
12	1	5497.2	13	55		8.172275
13	1	5497.2	13	60		9.367664
14	3	5497.2	13	100	1748	1848
15	1	5497.2	13	85		10.881395
						11.61161

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	5510	19	95	1786	0.643385
2	3	5510	19	80	1193	1180 0.879799



3	2	5510	19	100	1631		1.893238
4	3	5510	19	80	1545	1788	3.077206
5	2	5510	19	55	1461		4.086382
6	2	5510	19	85	1843		4.587448
7	3	5510	19	95	1596	1346	5.452448
8	3	5510	19	85	1176	1514	6.283231
9	2	5510	19	65	1661		7.402982
10	1	5510	19	95			8.240915
11	2	5510	19	80	1031		8.923234
12	2	5510	19	55	1010		9.579122
13	1	5510	19	85			10.351684
14	1	5510	19	55			11.484893

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	5510	5	85		0.013847	
2	2	5510	5	90	1869	1.083296	
3	1	5510	5	70		1.912275	
4	2	5510	5	95	1856	3.027303	
5	1	5510	5	65		3.610056	
6	1	5510	5	85		4.253709	
7	1	5510	5	75		5.287663	
8	2	5510	5	60	1644	6.276139	
9	1	5510	5	95		7.196141	
10	3	5510	5	85	1332	1940	7.476102
11	2	5510	5	50	1318		8.171943
12	3	5510	5	70	1859	1679	9.472404
13	2	5510	5	85	1108		10.189329
14	3	5510	5	85	1139	1125	10.95194
15	1	5510	5	65			11.93702

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	5510	7	80		0.444006	
2	1	5510	7	85		0.771634	
3	1	5510	7	100		1.243355	
4	3	5510	7	90	1132	1715	1.851083
5	3	5510	7	55	1431	1624	2.40397
6	3	5510	7	100	1771	1442	3.195747
7	3	5510	7	90	1187	1424	3.720984
8	1	5510	7	80			4.734334
9	1	5510	7	100			5.074471
10	1	5510	7	95			5.766927
11	3	5510	7	95	1236	1126	6.399383
12	3	5510	7	85	1704	1212	6.690432
13	3	5510	7	85	1185	1641	7.716593
14	3	5510	7	80	1849	1562	8.132087
15	2	5510	7	90	1219		8.446644
16	3	5510	7	80	1888	1495	9.033963
17	3	5510	7	95	1836	1414	9.819625
18	3	5510	7	75	1853	1945	10.661245
19	2	5510	7	80	1070		11.211339
20	2	5510	7	95	1184		11.880433

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	16	75	1341	1167	0.697932
2	3	5510	16	65	1924	1532	1.020816
3	1	5510	16	90			2.322687
4	3	5510	16	95	1643	1540	2.543892
5	1	5510	16	60			3.39521
6	3	5510	16	95	1242	1136	4.62072



7	2	5510	16	100	1188		5.377002
8	2	5510	16	90	1301		5.799943
9	1	5510	16	90			6.934565
10	2	5510	16	95	1834		7.992254
11	3	5510	16	95	1438	1675	8.144954
12	1	5510	16	60			9.252852
13	3	5510	16	85	1733	1790	9.864956
14	1	5510	16	95			10.922362
15	2	5510	16	75	1003		11.221674

USA Bin 5 Trial #15

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
	Pulse Start (S)						
1	3	5510	14	90	1765	1855	0.146163
2	1	5510	14	80			0.921093
3	3	5510	14	100	1257	1258	1.742719
4	1	5510	14	65			2.076783
5	1	5510	14	75			2.739657
6	3	5510	14	85	1479	1658	3.282281
7	3	5510	14	65	1494	1030	4.042282
8	2	5510	14	80	1924		4.660172
9	3	5510	14	65	1677	1441	5.32702
10	1	5510	14	70			5.529826
11	1	5510	14	100			6.478445
12	3	5510	14	75	1910	1495	7.045185
13	3	5510	14	85	1713	1600	7.249439
14	2	5510	14	85	1006		8.085495
15	1	5510	14	50			8.527073
16	3	5510	14	95	1956	1733	9.545418
17	2	5510	14	100	1109		9.919835
18	2	5510	14	95	1964		10.456241
19	2	5510	14	75	1539		11.008906
20	2	5510	14	50	1517		11.621842

USA Bin 5 Trial #16

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5510	9	65	1775	0.646393	
2	1	5510	9	75		1.578983	
3	3	5510	9	50	1766	1440	2.899761
4	1	5510	9	85			4.556108
5	2	5510	9	80	1314		5.668653
6	1	5510	9	90			7.912311
7	3	5510	9	95	1461	1599	8.584075
8	1	5510	9	75			9.911261
9	1	5510	9	80			10.875154

USA Bin 5 Trial #17

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
	Pulse Start (S)						
1	3	5510	7	85	1680	1513	0.984717
2	1	5510	7	70			1.690572
3	1	5510	7	65			2.489099
4	2	5510	7	80	1047		4.355624
5	2	5510	7	80	1592		4.948502
6	3	5510	7	100	1938	1997	6.185136
7	2	5510	7	95	1781		7.148079
8	1	5510	7	50			8.372425
9	2	5510	7	75	1807		9.64754
10	1	5510	7	55			10.088683
11	1	5510	7	75			11.113854

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	5	75		0.878224



2	1	5510	5	80			1.303858
3	1	5510	5	80			2.808322
4	2	5510	5	50	1311		3.770019
5	2	5510	5	80	1833		4.647599
6	1	5510	5	50			5.943577
7	2	5510	5	60	1139		6.624049
8	2	5510	5	70	1158		7.662418
9	1	5510	5	80			9.480274
10	3	5510	5	50	1161	1422	10.283615
11	2	5510	5	85	1200		11.58118

USA Bin 5 Trial #19

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
	Pulse Start (S)						
1	2	5510	5	75	1164	0.699166	
2	3	5510	5	90	1996	0.983676	
3	2	5510	5	60	1962	1.63093	
4	1	5510	5	70		2.443376	
5	1	5510	5	55		3.354294	
6	1	5510	5	80		4.732201	
7	2	5510	5	75	1737	5.437999	
8	1	5510	5	100		6.222612	
9	2	5510	5	100	1848	6.41505	
10	1	5510	5	70		7.975808	
11	3	5510	5	70	1290	8.683035	
12	1	5510	5	100		9.418343	
13	1	5510	5	90		9.860044	
14	1	5510	5	95		11.03603	
15	3	5510	5	50	1038	1382	11.902982

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	19	55		0.423968	
2	1	5510	19	60		1.004566	
3	3	5510	19	60	1903	1875	1.974867
4	3	5510	19	85	1960	1993	2.594296
5	2	5510	19	80	1134		3.309957
6	3	5510	19	80	1036	1511	3.693798
7	1	5510	19	80			4.178818
8	2	5510	19	65	1918		4.697833
9	1	5510	19	85			5.438598
10	1	5510	19	80			6.027552
11	3	5510	19	90	1829	1687	7.069693
12	2	5510	19	90	1300		7.588698
13	2	5510	19	80	1520		8.181884
14	1	5510	19	60			9.11904
15	1	5510	19	70			9.33735
16	1	5510	19	50			10.068837
17	2	5510	19	55	1182		11.138493
18	1	5510	19	50			11.47389

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	5521.6	16	95		0.285774	
2	2	5521.6	16	75	1090	1.237036	
3	3	5521.6	16	95	1996	1.685052	
4	1	5521.6	16	95		2.310926	
5	3	5521.6	16	65	1886	1400	3.063855
6	1	5521.6	16	75			3.287473
7	3	5521.6	16	80	1707	1163	4.354188
8	2	5521.6	16	50	1303		4.504184
9	3	5521.6	16	85	1873	1728	5.428691
10	1	5521.6	16	65			6.042796



11	1	5521.6	16	95			6.946973
12	1	5521.6	16	75			7.538695
13	1	5521.6	16	60			8.157565
14	2	5521.6	16	60	1529		8.382448
15	2	5521.6	16	100	1846		9.215798
16	2	5521.6	16	100	1002		9.85855
17	3	5521.6	16	55	1405	1340	10.456113
18	2	5521.6	16	80	1563		10.829111
19	2	5521.6	16	85	1016		11.642568

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	5524.4	9	95	1624	1682	0.55188
2	2	5524.4	9	65	1787		2.769376
3	2	5524.4	9	70	1721		3.034208
4	2	5524.4	9	70	1065		5.175799
5	1	5524.4	9	100			6.278559
6	2	5524.4	9	90	1358		8.770595
7	3	5524.4	9	90	1014	1493	9.104146
8	3	5524.4	9	70	1814	1851	11.555457

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	5524.8	8	50			0.373614
2	3	5524.8	8	85	1203	1254	1.554689
3	3	5524.8	8	60	1387	1492	2.299918
4	1	5524.8	8	70			2.7359
5	2	5524.8	8	90	1420		3.464523
6	2	5524.8	8	90	1022		4.405695
7	3	5524.8	8	60	1066	1786	4.891734
8	1	5524.8	8	80			5.799348
9	3	5524.8	8	55	1523	1061	6.553666
10	2	5524.8	8	60	1875		7.328563
11	3	5524.8	8	80	1602	1397	8.191313
12	2	5524.8	8	85	1000		9.112229
13	3	5524.8	8	85	1976	1926	10.346787
14	2	5524.8	8	65	1002		10.603227
15	1	5524.8	8	90			11.799077

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	5523.6	11	75		0.124464	
2	3	5523.6	11	90	1909	1561	1.164733
3	2	5523.6	11	60	1306		2.043038
4	1	5523.6	11	55			2.647453
5	2	5523.6	11	50	1921		3.52192
6	2	5523.6	11	85	1173		4.693667
7	2	5523.6	11	90	1673		4.942945
8	2	5523.6	11	70	1580		5.662858
9	3	5523.6	11	95	1432	1734	7.044521
10	3	5523.6	11	55	1067	1064	7.94026
11	3	5523.6	11	50	1810	1737	8.658458
12	3	5523.6	11	75	1099	1410	9.271563
13	1	5523.6	11	70			9.883191
14	1	5523.6	11	90			11.172684
15	1	5523.6	11	90			11.936171

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	5520	20	75	1805	1997	0.006929
2	3	5520	20	75	1857	1125	1.015047
3	1	5520	20	55			1.620123



4	1	5520	20	55			2.659245
5	3	5520	20	80	1122	1097	3.623035
6	1	5520	20	95			4.109634
7	3	5520	20	100	1049	1352	4.962724
8	2	5520	20	75	1338		5.826129
9	1	5520	20	95			6.216641
10	1	5520	20	100			6.821416
11	2	5520	20	95	1511		7.979591
12	1	5520	20	80			8.947733
13	2	5520	20	100	1857		9.078332
14	1	5520	20	100			9.848364
15	1	5520	20	70			10.690196
16	1	5520	20	75			11.805518

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	5521.2	17	85		0.600005
2	2	5521.2	17	70	1857	1.038946
3	3	5521.2	17	100	1002	1.71341
4	2	5521.2	17	85	1713	3.124129
5	3	5521.2	17	85	1422	3.394029
6	1	5521.2	17	70		4.310081
7	2	5521.2	17	70	1100	5.187065
8	1	5521.2	17	100		6.056156
9	3	5521.2	17	65	1082	6.741448
10	1	5521.2	17	100		7.720516
11	1	5521.2	17	95		8.450047
12	2	5521.2	17	100	1683	9.528684
13	1	5521.2	17	50		10.117988
14	2	5521.2	17	50	1548	11.078941
15	3	5521.2	17	100	1186	11.710671

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	5522	15	60	1035	0.45185
2	3	5522	15	70	1499	1.487992
3	3	5522	15	100	1465	1.898248
4	2	5522	15	85	1228	2.959277
5	1	5522	15	100		3.067794
6	2	5522	15	80	1132	4.098351
7	1	5522	15	65		4.98321
8	1	5522	15	75		5.808768
9	1	5522	15	75		6.730953
10	2	5522	15	95	1235	6.909214
11	2	5522	15	100	1330	8.205173
12	2	5522	15	95	1695	8.735963
13	1	5522	15	60		9.165435
14	1	5522	15	85		10.216772
15	2	5522	15	60	1132	10.572262
16	2	5522	15	80	1215	11.929218

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	5520.8	18	70	1575	1.201379
2	3	5520.8	18	80	1339	2.302263
3	1	5520.8	18	65		3.717706
4	2	5520.8	18	70	1546	5.031276
5	2	5520.8	18	70	1735	6.543005
6	2	5520.8	18	90	1953	6.993976
7	2	5520.8	18	70	1569	8.605891
8	2	5520.8	18	75	1499	9.877358
9	3	5520.8	18	80	1287	11.862049



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	5526	5	90	1477	1858
2	3	5526	5	95	1549	1470
3	2	5526	5	85	1078	
4	1	5526	5	85		
5	2	5526	5	70	1776	
6	3	5526	5	90	1302	1919
7	1	5526	5	80		
8	1	5526	5	80		
9	3	5526	5	75	1534	1917
10	3	5526	5	70	1706	1960
11	1	5526	5	50		
12	3	5526	5	85	1035	1015
13	2	5526	5	70	1068	
14	3	5526	5	90	1181	1069
15	3	5526	5	75	1868	1316

USA Bin 5 Trial #30

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5520.4	19	90		
2	2	5520.4	19	100	1930	
3	1	5520.4	19	90		
4	1	5520.4	19	50		
5	2	5520.4	19	95	1889	
6	2	5520.4	19	75	1222	
7	1	5520.4	19	65		
8	2	5520.4	19	55	1564	
9	2	5520.4	19	75	1065	
10	1	5520.4	19	90		
11	2	5520.4	19	60	1494	
12	3	5520.4	19	55	1746	1382
13	2	5520.4	19	85	1402	

USA Bin 5 Trial #1

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5498.8	17	55	1423	
2	2	5498.8	17	55	1121	
3	2	5498.8	17	75	1542	
4	3	5498.8	17	80	1510	1114
5	3	5498.8	17	80	1077	1553
6	2	5498.8	17	80	1175	
7	1	5498.8	17	50		
8	3	5498.8	17	65	1817	1551
9	3	5498.8	17	90	1901	1915
10	3	5498.8	17	75	1186	1536
11	2	5498.8	17	50	1961	
12	1	5498.8	17	100		
13	3	5498.8	17	60	1228	1149
14	3	5498.8	17	65	1613	1959
15	3	5498.8	17	95	1270	1988
16	2	5498.8	17	50	1981	
17	1	5498.8	17	75		
18	3	5498.8	17	80	1331	1649
19	1	5498.8	17	90		
20	1	5498.8	17	75		

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5499.2	18	70	1654	1841
2	1	5499.2	18	70		



3	1	5499.2	18	55			1.64918
4	3	5499.2	18	65	1468	1271	2.27374
5	1	5499.2	18	90			3.454166
6	1	5499.2	18	90			3.960036
7	3	5499.2	18	90	1499	1221	4.292474
8	3	5499.2	18	70	1434	1968	5.036051
9	1	5499.2	18	70			5.731129
10	2	5499.2	18	90	1023		6.981191
11	2	5499.2	18	50	1464		7.567912
12	2	5499.2	18	60	1753		8.462189
13	3	5499.2	18	95	1444	1438	8.936094
14	3	5499.2	18	80	1252	1456	9.804482
15	3	5499.2	18	80	1920	1848	10.104431
16	1	5499.2	18	85			10.857494
17	3	5499.2	18	80	1274	1934	11.911284

USA Bin 5 Trial #3

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5498.8	17	60		0.204948
2	2	5498.8	17	75	1568	1.332977
3	1	5498.8	17	60		1.519358
4	1	5498.8	17	80		2.658837
5	3	5498.8	17	95	1431	1623
6	1	5498.8	17	95		3.75788
7	2	5498.8	17	70	1757	4.577173
8	1	5498.8	17	50		5.554398
9	1	5498.8	17	95		6.163085
10	1	5498.8	17	80		6.681078
11	2	5498.8	17	55	1837	7.675429
12	3	5498.8	17	75	1850	1366
13	1	5498.8	17	85		8.980494
14	1	5498.8	17	50		9.803835
15	1	5498.8	17	80		9.92975
16	2	5498.8	17	95	1338	10.594586
17	2	5498.8	17	85	1147	11.815154

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	5498.4	16	50		0.100508
2	3	5498.4	16	50	1997	1221
3	3	5498.4	16	70	1650	1923
4	1	5498.4	16	60		2.49342
5	2	5498.4	16	70	1089	2.972714
6	2	5498.4	16	55	1053	3.536384
7	1	5498.4	16	90		4.113085
8	3	5498.4	16	100	1604	1641
9	2	5498.4	16	95	1613	5.681505
10	2	5498.4	16	65	1215	6.190413
11	1	5498.4	16	90		6.438338
12	2	5498.4	16	65	1439	7.577148
13	1	5498.4	16	50		7.922244
14	2	5498.4	16	60	1618	8.502605
15	1	5498.4	16	85		9.041741
16	2	5498.4	16	100	1719	9.972622
17	3	5498.4	16	50	1329	1387
18	1	5498.4	16	95		10.879298
19	2	5498.4	16	55	1567	11.884896

USA Bin 5 Trial #5

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5495.6	9	65	1319	0.466828
2	3	5495.6	9	85	1688	1867



3	3	5495.6	9	95	1680	1582	1.789189
4	2	5495.6	9	80	1257		2.65653
5	2	5495.6	9	100	1801		2.863774
6	3	5495.6	9	60	1713	1238	3.970338
7	1	5495.6	9	90			4.586618
8	3	5495.6	9	60	1577	1569	4.763099
9	1	5495.6	9	65			5.578092
10	3	5495.6	9	75	1093	1316	6.190121
11	2	5495.6	9	95	1964		7.231714
12	3	5495.6	9	65	1617	1447	7.909702
13	2	5495.6	9	70	1730		8.419488
14	3	5495.6	9	75	1319	1775	8.689466
15	2	5495.6	9	90	1000		9.61244
16	1	5495.6	9	75			10.047926
17	2	5495.6	9	80	1027		11.10262
18	1	5495.6	9	85			11.33952

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	5498.4	16	60	1425	0.280019
2	1	5498.4	16	55		2.06373
3	3	5498.4	16	55	1981	2.863861
4	3	5498.4	16	60	1527	4.424083
5	1	5498.4	16	50		6.350924
6	2	5498.4	16	55	1609	7.255726
7	3	5498.4	16	80	1782	8.884096
8	1	5498.4	16	55		9.771399
9	1	5498.4	16	55		11.344608

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	5497.6	14	65	1243	0.43373
2	2	5497.6	14	70	1970	1.426604
3	2	5497.6	14	70	1229	1.514546
4	3	5497.6	14	70	1271	2.313093
5	2	5497.6	14	50	1058	3.128822
6	3	5497.6	14	95	1506	3.960348
7	2	5497.6	14	95	1135	4.590923
8	3	5497.6	14	55	1540	5.801886
9	2	5497.6	14	95	1286	6.736856
10	3	5497.6	14	55	1498	7.172808
11	3	5497.6	14	60	1106	7.692671
12	3	5497.6	14	55	1776	8.601294
13	2	5497.6	14	85	1464	9.700093
14	1	5497.6	14	60		9.76283
15	1	5497.6	14	70		11.088911
16	3	5497.6	14	85	1051	11.373105

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	3	5497.2	13	95	1206	0.359927
2	2	5497.2	13	60	1621	1.362153
3	2	5497.2	13	75	1649	2.568505
4	3	5497.2	13	85	1328	3.690012
5	2	5497.2	13	65	1913	5.032275
6	2	5497.2	13	85	1149	6.780486
7	3	5497.2	13	80	1371	7.244473
8	3	5497.2	13	95	1302	9.268974
9	1	5497.2	13	80		9.616814
10	1	5497.2	13	80		10.833105

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	5496.4	11	50		0.212821
2	1	5496.4	11	55		2.295114
3	3	5496.4	11	50	1114	2.434234
4	2	5496.4	11	60	1601	4.021023
5	3	5496.4	11	95	1271	5.42935
6	2	5496.4	11	95	1627	6.205616
7	3	5496.4	11	100	1199	7.228153
8	2	5496.4	11	70	1231	8.934656
9	3	5496.4	11	70	1305	10.346829
10	3	5496.4	11	95	1447	11.642681

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	5497.2	13	85	1774	0.043767
2	1	5497.2	13	80		1.160795
3	3	5497.2	13	70	1581	1.619968
4	2	5497.2	13	55	1920	2.694018
5	1	5497.2	13	100		3.363563
6	1	5497.2	13	50		4.408129
7	1	5497.2	13	100		4.914251
8	3	5497.2	13	55	1067	6.271629
9	3	5497.2	13	90	1632	6.792747
10	2	5497.2	13	100	1803	7.377722
11	1	5497.2	13	80		8.172275
12	1	5497.2	13	55		9.367664
13	1	5497.2	13	60		9.736459
14	3	5497.2	13	100	1748	10.881395
15	1	5497.2	13	85		11.61161

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	5510	19	95	1786	0.643385
2	3	5510	19	80	1193	0.879799
3	2	5510	19	100	1631	1.893238
4	3	5510	19	80	1545	3.077206
5	2	5510	19	55	1461	4.086382
6	2	5510	19	85	1843	4.587448
7	3	5510	19	95	1596	5.452448
8	3	5510	19	85	1176	6.283231
9	2	5510	19	65	1661	7.402982
10	1	5510	19	95		8.240915
11	2	5510	19	80	1031	8.923234
12	2	5510	19	55	1010	9.579122
13	1	5510	19	85		10.351684
14	1	5510	19	55		11.484893

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	5510	5	85		0.013847
2	2	5510	5	90	1869	1.083296
3	1	5510	5	70		1.912275
4	2	5510	5	95	1856	3.027303
5	1	5510	5	65		3.610056
6	1	5510	5	85		4.253709
7	1	5510	5	75		5.287663
8	2	5510	5	60	1644	6.276139
9	1	5510	5	95		7.196141
10	3	5510	5	85	1332	7.476102
11	2	5510	5	50	1318	8.171943
12	3	5510	5	70	1859	9.472404



13	2	5510	5	85	1108		10.189329
14	3	5510	5	85	1139	1125	10.95194
15	1	5510	5	65			11.93702

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	5510	7	80		0.444006
2	1	5510	7	85		0.771634
3	1	5510	7	100		1.243355
4	3	5510	7	90	1132	1715
5	3	5510	7	55	1431	1624
6	3	5510	7	100	1771	1442
7	3	5510	7	90	1187	1424
8	1	5510	7	80		4.734334
9	1	5510	7	100		5.074471
10	1	5510	7	95		5.766927
11	3	5510	7	95	1236	1126
12	3	5510	7	85	1704	1212
13	3	5510	7	85	1185	1641
14	3	5510	7	80	1849	1562
15	2	5510	7	90	1219	
16	3	5510	7	80	1888	1495
17	3	5510	7	95	1836	1414
18	3	5510	7	75	1853	1945
19	2	5510	7	80	1070	
20	2	5510	7	95	1184	

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	16	75	1341	1167
2	3	5510	16	65	1924	1532
3	1	5510	16	90		
4	3	5510	16	95	1643	1540
5	1	5510	16	60		
6	3	5510	16	95	1242	1136
7	2	5510	16	100	1188	
8	2	5510	16	90	1301	
9	1	5510	16	90		
10	2	5510	16	95	1834	
11	3	5510	16	95	1438	1675
12	1	5510	16	60		
13	3	5510	16	85	1733	1790
14	1	5510	16	95		
15	2	5510	16	75	1003	

USA Bin 5 Trial #15

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5510	14	90	1765	1855
2	1	5510	14	80		
3	3	5510	14	100	1257	1258
4	1	5510	14	65		
5	1	5510	14	75		
6	3	5510	14	85	1479	1658
7	3	5510	14	65	1494	1030
8	2	5510	14	80	1924	
9	3	5510	14	65	1677	1441
10	1	5510	14	70		
11	1	5510	14	100		
12	3	5510	14	75	1910	1495
13	3	5510	14	85	1713	1600
14	2	5510	14	85	1006	
15	1	5510	14	50		



16	3	5510	14	95	1956	1733	9.545418
17	2	5510	14	100	1109		9.919835
18	2	5510	14	95	1964		10.456241
19	2	5510	14	75	1539		11.008906
20	2	5510	14	50	1517		11.621842

USA Bin 5 Trial #16

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5510	9	65	1775	0.646393
2	1	5510	9	75		1.578983
3	3	5510	9	50	1766	1440
4	1	5510	9	85		4.556108
5	2	5510	9	80	1314	5.668653
6	1	5510	9	90		7.912311
7	3	5510	9	95	1461	1599
8	1	5510	9	75		9.911261
9	1	5510	9	80		10.875154

USA Bin 5 Trial #17

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5510	7	85	1680	1513
2	1	5510	7	70		0.984717
3	1	5510	7	65		1.690572
4	2	5510	7	80	1047	2.489099
5	2	5510	7	80	1592	4.355624
6	3	5510	7	100	1938	1997
7	2	5510	7	95	1781	4.948502
8	1	5510	7	50		6.185136
9	2	5510	7	75	1807	7.148079
10	1	5510	7	55		8.372425
11	1	5510	7	75		9.64754
						10.088683
						11.113854

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	5	75		0.878224
2	1	5510	5	80		1.303858
3	1	5510	5	80		2.808322
4	2	5510	5	50	1311	3.770019
5	2	5510	5	80	1833	4.647599
6	1	5510	5	50		5.943577
7	2	5510	5	60	1139	6.624049
8	2	5510	5	70	1158	7.662418
9	1	5510	5	80		9.480274
10	3	5510	5	50	1161	1422
11	2	5510	5	85	1200	10.283615
						11.58118

USA Bin 5 Trial #19

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5510	5	75	1164	0.699166
2	3	5510	5	90	1996	1911
3	2	5510	5	60	1962	0.983676
4	1	5510	5	70		1.63093
5	1	5510	5	55		2.443376
6	1	5510	5	80		3.354294
7	2	5510	5	75	1737	4.732201
8	1	5510	5	100		5.437999
9	2	5510	5	100	1848	6.222612
10	1	5510	5	70		6.41505
11	3	5510	5	70	1290	1186
12	1	5510	5	100		7.975808
13	1	5510	5	90		8.683035
14	1	5510	5	95		9.418343
						9.860044
						11.03603



15	3	5510	5	50	1038	1382	11.902982
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	19	55			0.423968
2	1	5510	19	60			1.004566
3	3	5510	19	60	1903	1875	1.974867
4	3	5510	19	85	1960	1993	2.594296
5	2	5510	19	80	1134		3.309957
6	3	5510	19	80	1036	1511	3.693798
7	1	5510	19	80			4.178818
8	2	5510	19	65	1918		4.697833
9	1	5510	19	85			5.438598
10	1	5510	19	80			6.027552
11	3	5510	19	90	1829	1687	7.069693
12	2	5510	19	90	1300		7.588698
13	2	5510	19	80	1520		8.181884
14	1	5510	19	60			9.11904
15	1	5510	19	70			9.33735
16	1	5510	19	50			10.068837
17	2	5510	19	55	1182		11.138493
18	1	5510	19	50			11.47389
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	5521.6	16	95			0.285774
2	2	5521.6	16	75	1090		1.237036
3	3	5521.6	16	95	1996	1820	1.685052
4	1	5521.6	16	95			2.310926
5	3	5521.6	16	65	1886	1400	3.063855
6	1	5521.6	16	75			3.287473
7	3	5521.6	16	80	1707	1163	4.354188
8	2	5521.6	16	50	1303		4.504184
9	3	5521.6	16	85	1873	1728	5.428691
10	1	5521.6	16	65			6.042796
11	1	5521.6	16	95			6.946973
12	1	5521.6	16	75			7.538695
13	1	5521.6	16	60			8.157565
14	2	5521.6	16	60	1529		8.382448
15	2	5521.6	16	100	1846		9.215798
16	2	5521.6	16	100	1002		9.85855
17	3	5521.6	16	55	1405	1340	10.456113
18	2	5521.6	16	80	1563		10.829111
19	2	5521.6	16	85	1016		11.642568
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	5524.4	9	95	1624	1682	0.55188
2	2	5524.4	9	65	1787		2.769376
3	2	5524.4	9	70	1721		3.034208
4	2	5524.4	9	70	1065		5.175799
5	1	5524.4	9	100			6.278559
6	2	5524.4	9	90	1358		8.770595
7	3	5524.4	9	90	1014	1493	9.104146
8	3	5524.4	9	70	1814	1851	11.555457
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	5524.8	8	50			0.373614
2	3	5524.8	8	85	1203	1254	1.554689
3	3	5524.8	8	60	1387	1492	2.299918
4	1	5524.8	8	70			2.7359



5	2	5524.8	8	90	1420		3.464523
6	2	5524.8	8	90	1022		4.405695
7	3	5524.8	8	60	1066	1786	4.891734
8	1	5524.8	8	80			5.799348
9	3	5524.8	8	55	1523	1061	6.553666
10	2	5524.8	8	60	1875		7.328563
11	3	5524.8	8	80	1602	1397	8.191313
12	2	5524.8	8	85	1000		9.112229
13	3	5524.8	8	85	1976	1926	10.346787
14	2	5524.8	8	65	1002		10.603227
15	1	5524.8	8	90			11.799077

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	5523.6	11	75		0.124464
2	3	5523.6	11	90	1909	1561
3	2	5523.6	11	60	1306	
4	1	5523.6	11	55		2.647453
5	2	5523.6	11	50	1921	
6	2	5523.6	11	85	1173	
7	2	5523.6	11	90	1673	
8	2	5523.6	11	70	1580	
9	3	5523.6	11	95	1432	1734
10	3	5523.6	11	55	1067	1064
11	3	5523.6	11	50	1810	1737
12	3	5523.6	11	75	1099	1410
13	1	5523.6	11	70		
14	1	5523.6	11	90		
15	1	5523.6	11	90		

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	5520	20	75	1805	1997
2	3	5520	20	75	1857	1125
3	1	5520	20	55		
4	1	5520	20	55		
5	3	5520	20	80	1122	1097
6	1	5520	20	95		
7	3	5520	20	100	1049	1352
8	2	5520	20	75	1338	
9	1	5520	20	95		
10	1	5520	20	100		
11	2	5520	20	95	1511	
12	1	5520	20	80		
13	2	5520	20	100	1857	
14	1	5520	20	100		
15	1	5520	20	70		
16	1	5520	20	75		

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	5521.2	17	85		0.600005
2	2	5521.2	17	70	1857	
3	3	5521.2	17	100	1002	1217
4	2	5521.2	17	85	1713	
5	3	5521.2	17	85	1422	1551
6	1	5521.2	17	70		
7	2	5521.2	17	70	1100	
8	1	5521.2	17	100		
9	3	5521.2	17	65	1082	1764
10	1	5521.2	17	100		
11	1	5521.2	17	95		



12	2	5521.2	17	100	1683		9.528684
13	1	5521.2	17	50			10.117988
14	2	5521.2	17	50	1548		11.078941
15	3	5521.2	17	100	1186	1816	11.710671

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	5522	15	60	1035	0.45185
2	3	5522	15	70	1499	1.487992
3	3	5522	15	100	1465	1.898248
4	2	5522	15	85	1228	2.959277
5	1	5522	15	100		3.067794
6	2	5522	15	80	1132	4.098351
7	1	5522	15	65		4.98321
8	1	5522	15	75		5.808768
9	1	5522	15	75		6.730953
10	2	5522	15	95	1235	6.909214
11	2	5522	15	100	1330	8.205173
12	2	5522	15	95	1695	8.735963
13	1	5522	15	60		9.165435
14	1	5522	15	85		10.216772
15	2	5522	15	60	1132	10.572262
16	2	5522	15	80	1215	11.929218

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	5520.8	18	70	1575	1.201379
2	3	5520.8	18	80	1339	2.302263
3	1	5520.8	18	65		3.717706
4	2	5520.8	18	70	1546	5.031276
5	2	5520.8	18	70	1735	6.543005
6	2	5520.8	18	90	1953	6.993976
7	2	5520.8	18	70	1569	8.605891
8	2	5520.8	18	75	1499	9.877358
9	3	5520.8	18	80	1287	11.862049

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	5526	5	90	1477	0.252461
2	3	5526	5	95	1549	1.158764
3	2	5526	5	85	1078	2.133319
4	1	5526	5	85		2.795653
5	2	5526	5	70	1776	3.353965
6	3	5526	5	90	1302	4.185491
7	1	5526	5	80		5.559307
8	1	5526	5	80		6.376825
9	3	5526	5	75	1534	6.431313
10	3	5526	5	70	1706	7.571005
11	1	5526	5	50		8.321939
12	3	5526	5	85	1035	9.139125
13	2	5526	5	70	1068	10.26752
14	3	5526	5	90	1181	10.634234
15	3	5526	5	75	1868	11.930306

USA Bin 5 Trial #30

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5520.4	19	90		0.731832
2	2	5520.4	19	100	1930	1.092282
3	1	5520.4	19	90		2.451071
4	1	5520.4	19	50		2.81119
5	2	5520.4	19	95	1889	3.739726
6	2	5520.4	19	75	1222	4.714372



7	1	5520.4	19	65			5.844714
8	2	5520.4	19	55	1564		6.753762
9	2	5520.4	19	75	1065		8.300068
10	1	5520.4	19	90			9.041538
11	2	5520.4	19	60	1494		9.859476
12	3	5520.4	19	55	1746	1382	10.571516
13	2	5520.4	19	85	1402		11.569522

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

Channel 5510 MHz, 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	0	86.7%	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	0		
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	0		
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	0		
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)
1	5505	3
10	5514	30
11	5524	33
35	5528	105
36	5512	108
47	5503	141
72	5521	216
82	5510	246
86	5520	258
95	5501	285

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
15	5525	45
29	5523	87
31	5495	93
47	5494	141
63	5507	189
73	5515	219
83	5512	249
95	5521	285

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
2	5492	6
12	5510	36
38	5524	114
41	5515	123
61	5520	183
70	5525	210
74	5496	222
79	5514	237
85	5509	255

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
7	5509	21
9	5507	27
16	5499	48
22	5513	66
35	5493	105
61	5512	183
65	5517	195
70	5522	210
73	5506	219
74	5524	222
81	5501	243
89	5492	267
99	5521	297

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
3	5501	9
4	5524	12
8	5528	24
10	5522	30
34	5511	102
52	5499	156
72	5512	216
73	5498	219
91	5520	273

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
6	5499	18
19	5507	57
25	5503	75
29	5518	87
47	5505	141
64	5497	192

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
4	5501	12
8	5493	24
32	5518	96
35	5492	105
43	5499	129
45	5503	135
72	5527	216
98	5494	294

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
6	5526	18
21	5509	63
37	5513	111
39	5508	117
45	5520	135
47	5507	141
54	5504	162
71	5527	213
81	5517	243

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
6	5524	18
27	5518	81
31	5504	93
39	5509	117
78	5496	234
81	5500	243
82	5521	246
88	5497	264

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
11	5501	33
36	5517	108
42	5510	126
48	5522	144
54	5494	162
58	5526	174
64	5492	192
81	5527	243
87	5525	261
94	5504	282

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
21	5516	63
26	5524	78
32	5507	96
52	5499	156
69	5528	207
82	5515	246
92	5495	276
93	5493	279

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
11	5500	33
24	5515	72
58	5523	174
95	5514	285

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
7	5500	21
24	5528	72
45	5521	135
46	5512	138
53	5517	159
62	5495	186
77	5523	231
79	5525	237
84	5505	252

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
24	5528	72
36	5514	108
69	5499	207
82	5496	246

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
5	5516	15
9	5505	27

18	5521	54
22	5525	66
48	5498	144
53	5503	159
61	5520	183
95	5502	285

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
5	5521	15
11	5506	33
39	5493	117
41	5508	123
49	5511	147
57	5510	171
61	5522	183
70	5497	210
73	5492	219
98	5500	294

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
7	5526	21
17	5496	51
20	5494	60
24	5524	72
36	5508	108
44	5499	132
54	5521	162
61	5515	183
83	5509	249
89	5510	267

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
1	5522	3
23	5528	69
41	5513	123
69	5523	207
83	5495	249
94	5519	282
96	5499	288

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
16	5504	48
26	5510	78
27	5517	81
30	5509	90
36	5514	108
38	5526	114
40	5524	120
59	5500	177

67	5502	201
73	5498	219
76	5525	228
82	5508	246

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
9	5500	27
23	5511	69
49	5525	147
59	5499	177
60	5523	180
74	5513	222
88	5527	264
90	5497	270

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
14	5493	42
18	5526	54
32	5516	96
36	5506	108
52	5515	156
85	5527	255

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
11	5518	33
40	5528	120
55	5499	165
65	5496	195
81	5506	243
90	5527	270
93	5501	279
98	5524	294

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
3	5515	9
24	5521	72
87	5519	261
88	5514	264

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
21	5516	63
22	5515	66
31	5500	93
62	5493	186
69	5502	207
77	5508	231

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
0	5520	0

7	5506	21
46	5508	138
56	5523	168
68	5497	204
76	5498	228
79	5513	237
91	5499	273

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
4	5493	12
7	5499	21
8	5514	24
28	5524	84
52	5523	156
60	5513	180
61	5492	183
70	5501	210

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
8	5498	24
9	5509	27
16	5521	48
19	5492	57
20	5516	60
22	5499	66
33	5512	99
42	5523	126
44	5506	132
59	5493	177
77	5513	231
80	5519	240

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
3	5526	9
6	5515	18
12	5521	36
21	5509	63
31	5504	93
37	5494	111
47	5511	141
82	5505	246

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
7	5504	21
40	5511	120
41	5527	123
60	5523	180
74	5516	222
91	5514	273

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
3	5517	9
20	5510	60
29	5518	87
35	5523	105
68	5511	204
79	5504	237
98	5512	294
99	5513	297

USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
1	5505	3
10	5514	30
11	5524	33
35	5528	105
36	5512	108
47	5503	141
72	5521	216
82	5510	246
86	5520	258
95	5501	285

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
15	5525	45
29	5523	87
31	5495	93
47	5494	141
63	5507	189
73	5515	219
83	5512	249
95	5521	285

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
2	5492	6
12	5510	36
38	5524	114
41	5515	123
61	5520	183
70	5525	210
74	5496	222
79	5514	237
85	5509	255

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
7	5509	21
9	5507	27
16	5499	48
22	5513	66

35	5493	105
61	5512	183
65	5517	195
70	5522	210
73	5506	219
74	5524	222
81	5501	243
89	5492	267
99	5521	297

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
3	5501	9
4	5524	12
8	5528	24
10	5522	30
34	5511	102
52	5499	156
72	5512	216
73	5498	219
91	5520	273

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
6	5499	18
19	5507	57
25	5503	75
29	5518	87
47	5505	141
64	5497	192

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
4	5501	12
8	5493	24
32	5518	96
35	5492	105
43	5499	129
45	5503	135
72	5527	216
98	5494	294

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
6	5526	18
21	5509	63
37	5513	111
39	5508	117
45	5520	135
47	5507	141
54	5504	162
71	5527	213
81	5517	243

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
6	5524	18
27	5518	81
31	5504	93
39	5509	117
78	5496	234
81	5500	243
82	5521	246
88	5497	264

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
11	5501	33
36	5517	108
42	5510	126
48	5522	144
54	5494	162
58	5526	174
64	5492	192
81	5527	243
87	5525	261
94	5504	282

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
21	5516	63
26	5524	78
32	5507	96
52	5499	156
69	5528	207
82	5515	246
92	5495	276
93	5493	279

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
11	5500	33
24	5515	72
58	5523	174
95	5514	285

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
7	5500	21
24	5528	72
45	5521	135
46	5512	138
53	5517	159
62	5495	186
77	5523	231
79	5525	237
84	5505	252

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
24	5528	72
36	5514	108
69	5499	207
82	5496	246

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
5	5516	15
9	5505	27
18	5521	54
22	5525	66
48	5498	144
53	5503	159
61	5520	183
95	5502	285

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
5	5521	15
11	5506	33
39	5493	117
41	5508	123
49	5511	147
57	5510	171
61	5522	183
70	5497	210
73	5492	219
98	5500	294

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
7	5526	21
17	5496	51
20	5494	60
24	5524	72
36	5508	108
44	5499	132
54	5521	162
61	5515	183
83	5509	249
89	5510	267

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
1	5522	3
23	5528	69
41	5513	123
69	5523	207
83	5495	249
94	5519	282
96	5499	288

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
16	5504	48
26	5510	78
27	5517	81
30	5509	90
36	5514	108
38	5526	114
40	5524	120
59	5500	177
67	5502	201
73	5498	219
76	5525	228
82	5508	246

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
9	5500	27
23	5511	69
49	5525	147
59	5499	177
60	5523	180
74	5513	222
88	5527	264
90	5497	270

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
14	5493	42
18	5526	54
32	5516	96
36	5506	108
52	5515	156
85	5527	255

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
11	5518	33
40	5528	120
55	5499	165
65	5496	195
81	5506	243
90	5527	270
93	5501	279
98	5524	294

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
3	5515	9
24	5521	72
87	5519	261
88	5514	264

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
21	5516	63
22	5515	66
31	5500	93
62	5493	186
69	5502	207
77	5508	231

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
0	5520 0	
7	5506	21
46	5508	138
56	5523	168
68	5497	204
76	5498	228
79	5513	237
91	5499	273

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
4	5493	12
7	5499	21
8	5514	24
28	5524	84
52	5523	156
60	5513	180
61	5492	183
70	5501	210

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
8	5498	24
9	5509	27
16	5521	48
19	5492	57
20	5516	60
22	5499	66
33	5512	99
42	5523	126
44	5506	132
59	5493	177
77	5513	231
80	5519	240

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
3	5526	9
6	5515	18
12	5521	36
21	5509	63
31	5504	93
37	5494	111



47	5511	141
82	5505	246

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
7	5504	21
40	5511	120
41	5527	123
60	5523	180
74	5516	222
91	5514	273

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
3	5517	9
20	5510	60
29	5518	87
35	5523	105
68	5511	204
79	5504	237
98	5512	294
99	5513	297

Channel 5530 MHz, 80MHz BW, USA Bin 0 Radar Statistical Performance

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5530	18	1	1428	1	100.0%	60.0%
2	5530	18	1	1428	1		
3	5530	18	1	1428	1		
4	5530	18	1	1428	1		
5	5530	18	1	1428	1		
6	5530	18	1	1428	1		
7	5530	18	1	1428	1		
8	5530	18	1	1428	1		
9	5530	18	1	1428	1		
10	5530	18	1	1428	1		
11	5530	18	1	1428	1		
12	5530	18	1	1428	1		
13	5530	18	1	1428	1		
14	5530	18	1	1428	1		
15	5530	18	1	1428	1		
16	5530	18	1	1428	1		
17	5530	18	1	1428	1		
18	5530	18	1	1428	1		
19	5530	18	1	1428	1		
20	5530	18	1	1428	1		
21	5530	18	1	1428	1		
22	5530	18	1	1428	1		
23	5530	18	1	1428	1		
24	5530	18	1	1428	1		
25	5530	18	1	1428	1		
26	5530	18	1	1428	1		
27	5530	18	1	1428	1		
28	5530	18	1	1428	1		
29	5530	18	1	1428	1		
30	5530	18	1	1428	1		


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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5530	61	1	878	1	100.0%	60.0%
2	5530	89	1	598	1		
3	5530	102	1	518	1		
4	5530	78	1	678	1		
5	5530	58	1	918	1		
6	5530	62	1	858	1		
7	5530	89	1	598	1		
8	5530	62	1	858	1		
9	5530	102	1	518	1		
10	5530	86	1	618	1		
11	5530	102	1	518	1		
12	5530	58	1	918	1		
13	5530	95	1	558	1		
14	5530	81	1	658	1		
15	5530	61	1	878	1		
16	5530	19	1	2802	1		
17	5530	41	1	1298	1		
18	5530	28	1	1891	1		
19	5530	24	1	2282	1		
20	5530	21	1	2548	1		
21	5530	73	1	724	1		
22	5530	83	1	640	1		
23	5530	24	1	2213	1		
24	5530	62	1	860	1		
25	5530	48	1	1101	1		
26	5530	25	1	2136	1		
27	5530	64	1	837	1		
28	5530	18	1	3030	1		
29	5530	27	1	2010	1		
30	5530	34	1	1571	1		


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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5530	99	1	538	1	100.0%	60.0%
2	5530	102	1	518	1		
3	5530	89	1	598	1		
4	5530	18	1	3066	1		
5	5530	68	1	778	1		
6	5530	59	1	898	1		
7	5530	83	1	638	1		
8	5530	76	1	698	1		
9	5530	74	1	718	1		
10	5530	58	1	918	1		
11	5530	81	1	658	1		
12	5530	61	1	878	1		
13	5530	63	1	838	1		
14	5530	59	1	898	1		
15	5530	74	1	718	1		
16	5530	20	1	2671	1		
17	5530	25	1	2132	1		
18	5530	73	1	730	1		
19	5530	39	1	1360	1		
20	5530	40	1	1341	1		
21	5530	20	1	2756	1		
22	5530	39	1	1365	1		
23	5530	46	1	1164	1		
24	5530	45	1	1180	1		
25	5530	28	1	1943	1		
26	5530	43	1	1243	1		
27	5530	86	1	615	1		
28	5530	23	1	2311	1		
29	5530	27	1	1993	1		
30	5530	22	1	2451	1		

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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5530	23	1.4	199	1	93.3%	60.0%
2	5530	27	3.7	182	1		
3	5530	26	1.4	175	0		
4	5530	26	4.7	207	1		
5	5530	26	3.2	210	1		
6	5530	27	1.9	219	1		
7	5530	27	2.2	158	1		
8	5530	26	5	211	1		
9	5530	27	4	156	1		
10	5530	29	1.6	198	1		
11	5530	29	2.5	167	1		
12	5530	28	3.7	183	1		
13	5530	26	4.7	225	1		
14	5530	28	1.8	211	1		
15	5530	26	4.4	230	1		
16	5530	24	2	151	1		
17	5530	26	4.2	195	1		
18	5530	27	3.3	157	1		
19	5530	23	1.5	175	0		
20	5530	26	2.5	212	1		
21	5530	24	1.8	176	1		
22	5530	28	1.5	161	1		
23	5530	29	2.7	166	1		
24	5530	24	4.5	156	1		
25	5530	28	2.5	172	1		
26	5530	25	2.2	199	1		
27	5530	26	2.6	199	1		
28	5530	25	2.8	208	1		
29	5530	28	4.9	191	1		
30	5530	24	1.5	167	1		

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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5530	17	7.5	369	1	90.0%	60.0%
2	5530	16	7.1	354	1		
3	5530	17	6.9	314	1		
4	5530	17	7.2	405	1		
5	5530	17	6.6	262	1		
6	5530	17	6.9	440	1		
7	5530	18	9.7	205	0		
8	5530	18	7.7	486	1		
9	5530	17	6.7	285	1		
10	5530	17	6.7	301	1		
11	5530	18	8.2	492	1		
12	5530	17	9.8	244	1		
13	5530	16	6.3	438	1		
14	5530	18	6.9	267	1		
15	5530	17	8.1	256	1		
16	5530	17	6.1	309	1		
17	5530	16	7.3	260	0		
18	5530	16	8	321	1		
19	5530	16	7	432	1		
20	5530	17	7.6	270	1		
21	5530	18	7.7	492	1		
22	5530	18	9.6	461	1		
23	5530	18	7.6	422	1		
24	5530	18	9.2	382	1		
25	5530	18	7.6	216	1		
26	5530	17	7	497	1		
27	5530	18	9	417	0		
28	5530	17	9	343	1		
29	5530	18	7.4	285	1		
30	5530	18	9.6	227	1		

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

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5530	13	13.3	377	1	93.3%	60.0%
2	5530	16	18	379	1		
3	5530	16	19.3	439	0		
4	5530	12	14.9	308	1		
5	5530	13	14.2	482	1		
6	5530	13	17.8	390	1		
7	5530	12	15.2	477	1		
8	5530	16	16	385	1		
9	5530	13	13	370	1		
10	5530	14	18.2	491	1		
11	5530	16	11.8	204	1		
12	5530	12	17.9	330	1		
13	5530	14	12.4	405	1		
14	5530	15	18.8	473	1		
15	5530	16	14.2	306	1		
16	5530	16	19.2	436	1		
17	5530	15	19.1	345	1		
18	5530	14	19	461	1		
19	5530	13	17.6	280	0		
20	5530	16	11.7	216	1		
21	5530	14	19.1	223	1		
22	5530	16	17.9	226	1		
23	5530	13	15.1	221	1		
24	5530	14	11.2	382	1		
25	5530	13	12.2	202	1		
26	5530	14	15.5	365	1		
27	5530	15	14.2	390	1		
28	5530	13	16.9	296	1		
29	5530	12	17.4	428	1		
30	5530	14	18.3	414	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:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100.0\% + 100.0\% + 100.0\% + 96.7\% + 93.3\%) / 5 = 98.0\% (>80\%)$$

*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	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	2	5498	15	95	1698	0.134619
2	1	5498	15	80		1.780451
3	3	5498	15	65	1784	2.919694
4	1	5498	15	90		3.717136
5	3	5498	15	55	1703	4.958994
6	1	5498	15	65		5.461429
7	1	5498	15	65		6.597391
8	3	5498	15	70	1763	8.23193
9	1	5498	15	55		8.919126
10	2	5498	15	75	1904	10.721511
11	1	5498	15	70		11.339667

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5496	10	100		0.070058
2	3	5496	10	75	1001	0.710364
3	2	5496	10	60	1928	1.762555
4	2	5496	10	85	1786	2.435711
5	3	5496	10	75	1492	2.893027
6	2	5496	10	95	1835	3.531392
7	1	5496	10	60		4.104728
8	1	5496	10	65		4.947991
9	1	5496	10	65		5.074015
10	1	5496	10	80		6.31547
11	2	5496	10	65	1091	6.341451
12	2	5496	10	60	1382	7.490255
13	3	5496	10	50	1329	7.769259
14	2	5496	10	75	1289	8.783342
15	3	5496	10	95	1454	8.97574
16	1	5496	10	60		9.926354
17	3	5496	10	85	1825	10.182781
18	3	5496	10	100	1662	10.760067
19	1	5496	10	75		11.840768

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	14	80	1643	0.368955
2	1	5497.6	14	90		1.157586
3	3	5497.6	14	55	1668	2.213999
4	1	5497.6	14	65		2.813493
5	3	5497.6	14	100	1233	3.082822
6	3	5497.6	14	60	1680	4.180703
7	1	5497.6	14	80		4.539422
8	2	5497.6	14	80	1426	5.677222
9	3	5497.6	14	95	1393	6.430008
10	2	5497.6	14	60	1782	6.788832
11	1	5497.6	14	100		8.233671
12	2	5497.6	14	80	1767	8.472312
13	2	5497.6	14	75	1866	9.735351
14	1	5497.6	14	60		10.344255
15	1	5497.6	14	50		10.70271
16	1	5497.6	14	95		11.584813

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	5495.2	8	90	1065	0.937111
2	1	5495.2	8	55		1.234926
3	2	5495.2	8	75	1766	2.230716
4	1	5495.2	8	70		3.631233

5	2	5495.2	8	75	1255		4.680086
6	1	5495.2	8	80			5.391008
7	2	5495.2	8	90	1661		6.637348
8	1	5495.2	8	60			7.330933
9	2	5495.2	8	100	1770		8.367229
10	1	5495.2	8	55			9.632683
11	3	5495.2	8	75	1556	1699	10.081168
12	3	5495.2	8	60	1138	1531	11.19032

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	5495.2	8	60	1411	1625	0.497783
2	3	5495.2	8	70	1851	1193	1.7781
3	3	5495.2	8	75	1504	1312	2.76303
4	2	5495.2	8	55	1816		2.835229
5	3	5495.2	8	90	1888	1717	4.233308
6	1	5495.2	8	100			4.946621
7	1	5495.2	8	55			5.968518
8	3	5495.2	8	55	1702	1142	6.551518
9	3	5495.2	8	85	1374	1124	7.706239
10	3	5495.2	8	75	1792	1215	8.628391
11	2	5495.2	8	50	1128		9.545187
12	2	5495.2	8	100	1752		10.228485
13	3	5495.2	8	50	1642	1252	11.146769

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	15	60	1356	1359	0.630363
2	2	5498	15	75	1527		1.839762
3	2	5498	15	100	1294		2.664305
4	3	5498	15	65	1306	1114	3.563124
5	3	5498	15	100	1480	1933	3.834625
6	3	5498	15	55	1448	1342	5.463927
7	1	5498	15	80			5.840858
8	3	5498	15	75	1806	1003	7.326578
9	3	5498	15	90	1506	1465	7.532777
10	2	5498	15	100	1220		9.211903
11	3	5498	15	60	1981	1420	9.49189
12	1	5498	15	90			10.564894
13	2	5498	15	75	1357		11.70139

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	5494.4	6	50	1934	1576	0.454939
2	1	5494.4	6	60			1.204
3	1	5494.4	6	60			2.20396
4	2	5494.4	6	55	1868		3.421673
5	3	5494.4	6	70	1220	1978	3.510208
6	1	5494.4	6	85			4.846167
7	1	5494.4	6	50			5.674616
8	2	5494.4	6	80	1296		6.646008
9	2	5494.4	6	50	1703		6.893831
10	2	5494.4	6	95	1987		8.232543
11	3	5494.4	6	90	1572	1410	8.646156
12	1	5494.4	6	70			9.460073
13	2	5494.4	6	90	1878		10.648103
14	3	5494.4	6	90	1955	1202	11.543121

USA Bin 5 Trial #8

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5497.6	14	70	1058	0.702712
2	2	5497.6	14	80	1693	2.38991



3	2	5497.6	14	90	1355		3.42363
4	2	5497.6	14	85	1694		4.008688
5	3	5497.6	14	50	1027	1430	5.290647
6	1	5497.6	14	95			7.194208
7	2	5497.6	14	100	1517		7.241474
8	2	5497.6	14	55	1354		8.861946
9	3	5497.6	14	55	1755	1440	10.783439
10	3	5497.6	14	65	1329	1899	11.182173

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	5497.6	14	100		0.164416
2	3	5497.6	14	85	1566	1160
3	1	5497.6	14	50		1.718802
4	3	5497.6	14	50	1849	1782
5	1	5497.6	14	70		3.157414
6	1	5497.6	14	80		3.767331
7	2	5497.6	14	80	1199	
8	2	5497.6	14	75	1036	
9	3	5497.6	14	75	1502	1142
10	3	5497.6	14	100	1214	1772
11	1	5497.6	14	65		7.608554
12	2	5497.6	14	90	1876	
13	1	5497.6	14	80		9.01029
14	2	5497.6	14	85	1272	
15	3	5497.6	14	60	1565	1559
16	2	5497.6	14	65	1431	

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	5499.2	18	95	1254	
2	2	5499.2	18	60	1002	
3	1	5499.2	18	60		0.403763
4	1	5499.2	18	85		1.930583
5	1	5499.2	18	100		2.984122
6	3	5499.2	18	70	1141	1651
7	1	5499.2	18	75		3.418507
8	3	5499.2	18	80	1359	1153
9	3	5499.2	18	55	1294	1101
10	2	5499.2	18	80	1522	
11	2	5499.2	18	75	1635	

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	14	50	1280	
2	3	5530	14	80	1136	1771
3	2	5530	14	80	1532	
4	1	5530	14	85		0.219995
5	1	5530	14	50		2.017612
6	3	5530	14	95	1012	1114
7	3	5530	14	100	1198	1794
8	2	5530	14	75	1592	
9	2	5530	14	95	1219	
10	3	5530	14	70	1295	1182

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5530	11	85	1599	
2	1	5530	11	55		0.384441
3	2	5530	11	80	1203	
4	1	5530	11	60		1.674594
5	2	5530	11	100	1158	



6	1	5530	11	70			6.257709
7	2	5530	11	55	1584		7.516918
8	2	5530	11	55	1931		8.367561
9	1	5530	11	100			9.147943
10	3	5530	11	90	1480	1066	10.104885
11	2	5530	11	90	1807		11.642742
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	14	65			0.593564
2	2	5530	14	85	1322		1.511741
3	2	5530	14	60	1315		3.298555
4	1	5530	14	80			4.214068
5	2	5530	14	50	1112		5.257631
6	3	5530	14	70	1379	1827	7.172289
7	3	5530	14	90	1326	1760	7.24348
8	3	5530	14	100	1747	1980	8.418929
9	3	5530	14	85	1319	1096	10.771398
10	2	5530	14	100	1608		11.114541
USA Bin 5 Trial #14							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5530	12	60	1769		0.648199
2	2	5530	12	65	1576		0.772558
3	2	5530	12	75	1490		1.712081
4	3	5530	12	55	1338	1797	2.486795
5	3	5530	12	90	1615	1073	3.309244
6	2	5530	12	90	1844		4.050446
7	2	5530	12	55	1385		4.427501
8	1	5530	12	100			5.597063
9	1	5530	12	90			5.824918
10	1	5530	12	100			6.922053
11	3	5530	12	75	1534	1005	7.258528
12	3	5530	12	55	1616	1532	8.25036
13	1	5530	12	80			9.045801
14	3	5530	12	90	1479	1306	9.61338
15	2	5530	12	55	1320		10.298336
16	3	5530	12	75	1020	1649	10.91466
17	1	5530	12	100			11.904883
USA Bin 5 Trial #15							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	3	5530	16	95	1858	1799	0.288045
2	1	5530	16	65			1.949755
3	2	5530	16	75	1222		3.988022
4	2	5530	16	95	1430		5.607831
5	1	5530	16	90			6.541491
6	3	5530	16	95	1567	1075	8.358772
7	3	5530	16	50	1920	1146	9.522219
8	3	5530	16	70	1266	1126	11.925195
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	7	80	1969		0.038526
2	1	5530	7	75			2.366849
3	3	5530	7	90	1873	1069	2.883938
4	3	5530	7	80	1529	1439	4.944824
5	1	5530	7	60			6.286735
6	1	5530	7	100			7.959222
7	3	5530	7	50	1088	1885	8.847272
8	2	5530	7	85	1700		9.6006
9	2	5530	7	95	1938		11.860712



USA Bin 5 Trial #17

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5530	19	70		0.005887
2	3	5530	19	75	1111	0.978151
3	1	5530	19	60		1.509112
4	3	5530	19	100	1141	2.387468
5	1	5530	19	90		2.900937
6	2	5530	19	95	1950	3.334052
7	1	5530	19	95		4.007479
8	2	5530	19	100	1126	4.680105
9	2	5530	19	100	1588	4.985464
10	2	5530	19	50	1536	5.821166
11	3	5530	19	85	1152	6.578844
12	3	5530	19	85	1848	6.732095
13	1	5530	19	75		7.296426
14	1	5530	19	70		8.276487
15	2	5530	19	75	1983	8.774461
16	3	5530	19	80	1075	9.584236
17	3	5530	19	70	1629	9.994973
18	2	5530	19	85	1919	10.248345
19	1	5530	19	55		11.120637
20	1	5530	19	100		11.53028

USA Bin 5 Trial #18

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5530	17	70		0.484924
2	1	5530	17	95		2.12927
3	1	5530	17	85		2.411668
4	3	5530	17	55	2000	4.206578
5	3	5530	17	100	1751	5.503459
6	3	5530	17	65	1460	6.166394
7	3	5530	17	80	1022	7.291375
8	2	5530	17	65	1596	8.781688
9	3	5530	17	50	1737	10.559472
10	3	5530	17	100	1072	11.975277

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	5530	8	60	1442	0.872485
2	3	5530	8	75	1701	1.758588
3	2	5530	8	70	1153	3.411223
4	3	5530	8	80	1956	4.381086
5	3	5530	8	85	1961	6.114584
6	1	5530	8	90		7.523577
7	3	5530	8	55	1896	8.731752
8	3	5530	8	100	1209	9.900888
9	1	5530	8	90		10.724889

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	5530	10	95		1.098385
2	1	5530	10	55		1.409394
3	2	5530	10	80	1164	3.817195
4	2	5530	10	70	1755	4.817399
5	3	5530	10	85	1528	5.719102
6	3	5530	10	70	1862	6.70008
7	1	5530	10	70		9.101696
8	1	5530	10	55		9.900681
9	1	5530	10	55		10.907307

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	5563.2	12	80	1281	1432
2	3	5563.2	12	65	1357	1837
3	1	5563.2	12	90		
4	2	5563.2	12	70	1945	
5	1	5563.2	12	85		
6	2	5563.2	12	50	1916	
7	1	5563.2	12	50		
8	3	5563.2	12	60	1150	1203
9	2	5563.2	12	80	1143	
10	3	5563.2	12	60	1095	1838
11	2	5563.2	12	85	1062	
12	3	5563.2	12	85	1083	1507
13	1	5563.2	12	75		
14	1	5563.2	12	80		
15	2	5563.2	12	80	1281	
16	3	5563.2	12	95	1836	1188

USA Bin 5 Trial #22

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	2	5562.8	13	95	1460	
2	2	5562.8	13	85	2000	
3	2	5562.8	13	80	1604	
4	3	5562.8	13	60	1850	1996
5	3	5562.8	13	90	1923	1754
6	2	5562.8	13	60	1577	
7	1	5562.8	13	70		
8	3	5562.8	13	55	1549	1601
9	1	5562.8	13	65		
10	2	5562.8	13	95	1888	
11	1	5562.8	13	75		
12	3	5562.8	13	90	1229	1032
13	2	5562.8	13	70	1051	
14	2	5562.8	13	95	1521	
15	1	5562.8	13	75		
16	2	5562.8	13	50	1715	
17	2	5562.8	13	50	1853	
18	3	5562.8	13	85	1459	1125

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	5560	20	85		
2	1	5560	20	55		
3	3	5560	20	90	1687	1685
4	1	5560	20	55		
5	2	5560	20	95	1896	
6	3	5560	20	50	1611	1220
7	2	5560	20	55	1696	
8	1	5560	20	65		
9	3	5560	20	65	1697	1809
10	2	5560	20	55	1930	
11	1	5560	20	55		
12	3	5560	20	100	1615	1799

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	5561.2	17	65		
2	3	5561.2	17	55	1280	1059
3	3	5561.2	17	70	1497	1146
4	2	5561.2	17	95	1765	
5	3	5561.2	17	95	1297	1834



6	1	5561.2	17	80			4.363173
7	1	5561.2	17	65			4.881124
8	1	5561.2	17	60			5.602773
9	3	5561.2	17	85	1041	1246	6.436531
10	1	5561.2	17	65			7.356974
11	3	5561.2	17	70	1306	1951	7.843001
12	1	5561.2	17	70			8.673677
13	1	5561.2	17	95			9.009443
14	1	5561.2	17	80			9.831351
15	2	5561.2	17	70	1238		10.729386
16	3	5561.2	17	70	1491	1808	11.499083

USA Bin 5 Trial #25

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5560	20	95	1568	0.362746
2	3	5560	20	50	1213	1221
3	3	5560	20	90	1073	1493
4	3	5560	20	65	1390	1974
5	1	5560	20	80		
6	1	5560	20	90		
7	1	5560	20	60		
8	2	5560	20	100	1666	

USA Bin 5 Trial #26

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5564	10	50	1457	1.437932
2	3	5564	10	85	1554	1967
3	2	5564	10	70	1148	
4	1	5564	10	70		
5	3	5564	10	50	1517	1126
6	3	5564	10	90	1160	1144
7	2	5564	10	75	1009	
8	2	5564	10	50	1082	

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	5560.8	18	60	1959	0.831423
2	2	5560.8	18	50	1705	
3	1	5560.8	18	50		
4	1	5560.8	18	80		
5	1	5560.8	18	80		
6	1	5560.8	18	90		
7	3	5560.8	18	70	1465	1463
8	1	5560.8	18	80		
9	3	5560.8	18	75	1436	1711
10	3	5560.8	18	85	1934	1729

USA Bin 5 Trial #28

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5562	15	90		0.929442
2	1	5562	15	55		1.93825
3	3	5562	15	95	1888	1307
4	3	5562	15	85	1391	1686
5	2	5562	15	70	1485	
6	1	5562	15	50		
7	2	5562	15	50	1559	
8	3	5562	15	60	1344	1727

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	5565.2	7	50	1637	1059
2	3	5565.2	7	70	1222	1995

3	2	5565.2	7	95	1977		3.022862
4	3	5565.2	7	80	1599	1601	4.594155
5	2	5565.2	7	65	1061		5.641329
6	3	5565.2	7	65	1529	1186	6.640586
7	1	5565.2	7	95			7.347164
8	1	5565.2	7	100			8.510185
9	3	5565.2	7	75	1535	1801	9.677294
10	1	5565.2	7	65			11.558299

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	5562.4	14	70	1484	0.086504
2	1	5562.4	14	55		1.762299
3	3	5562.4	14	85	1208	1880
4	1	5562.4	14	55		2.236946
5	1	5562.4	14	80		2.880255
6	2	5562.4	14	70	1892	3.737918
7	2	5562.4	14	100	1566	4.819498
8	2	5562.4	14	50	1042	5.568524
9	1	5562.4	14	80		6.589578
10	1	5562.4	14	95		7.465579
11	2	5562.4	14	100	1853	8.804188
12	3	5562.4	14	70	1073	1757
13	1	5562.4	14	80		9.654035
						10.775506
						11.390045

USA Bin 5 Trial #1

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5498	15	95	1698	0.134619
2	1	5498	15	80		1.780451
3	3	5498	15	65	1784	1733
4	1	5498	15	90		2.919694
5	3	5498	15	55	1703	1382
6	1	5498	15	65		3.717136
7	1	5498	15	65		4.958994
8	3	5498	15	70	1763	1644
9	1	5498	15	55		5.461429
10	2	5498	15	75	1904	6.597391
11	1	5498	15	70		8.23193
						8.919126
						10.721511
						11.339667

USA Bin 5 Trial #2

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5496	10	100		0.070058
2	3	5496	10	75	1001	1928
3	2	5496	10	60	1928	
4	2	5496	10	85	1786	
5	3	5496	10	75	1492	1080
6	2	5496	10	95	1835	
7	1	5496	10	60		3.531392
8	1	5496	10	65		4.104728
9	1	5496	10	65		4.947991
10	1	5496	10	80		5.074015
11	2	5496	10	65	1091	
12	2	5496	10	60	1382	
13	3	5496	10	50	1329	1699
14	2	5496	10	75	1289	
15	3	5496	10	95	1454	1261
16	1	5496	10	60		8.97574
17	3	5496	10	85	1825	1974
18	3	5496	10	100	1662	1404
19	1	5496	10	75		10.760067
						11.840768

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	14	80	1643	1578
2	1	5497.6	14	90		
3	3	5497.6	14	55	1668	1203
4	1	5497.6	14	65		
5	3	5497.6	14	100	1233	1506
6	3	5497.6	14	60	1680	1911
7	1	5497.6	14	80		
8	2	5497.6	14	80	1426	
9	3	5497.6	14	95	1393	1768
10	2	5497.6	14	60	1782	
11	1	5497.6	14	100		
12	2	5497.6	14	80	1767	
13	2	5497.6	14	75	1866	
14	1	5497.6	14	60		
15	1	5497.6	14	50		
16	1	5497.6	14	95		

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	5495.2	8	90	1065	
2	1	5495.2	8	55		
3	2	5495.2	8	75	1766	
4	1	5495.2	8	70		
5	2	5495.2	8	75	1255	
6	1	5495.2	8	80		
7	2	5495.2	8	90	1661	
8	1	5495.2	8	60		
9	2	5495.2	8	100	1770	
10	1	5495.2	8	55		
11	3	5495.2	8	75	1556	1699
12	3	5495.2	8	60	1138	1531

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	5495.2	8	60	1411	1625
2	3	5495.2	8	70	1851	1193
3	3	5495.2	8	75	1504	1312
4	2	5495.2	8	55	1816	
5	3	5495.2	8	90	1888	1717
6	1	5495.2	8	100		
7	1	5495.2	8	55		
8	3	5495.2	8	55	1702	1142
9	3	5495.2	8	85	1374	1124
10	3	5495.2	8	75	1792	1215
11	2	5495.2	8	50	1128	
12	2	5495.2	8	100	1752	
13	3	5495.2	8	50	1642	1252

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	15	60	1356	1359
2	2	5498	15	75	1527	
3	2	5498	15	100	1294	
4	3	5498	15	65	1306	1114
5	3	5498	15	100	1480	1933
6	3	5498	15	55	1448	1342
7	1	5498	15	80		
8	3	5498	15	75	1806	1003
9	3	5498	15	90	1506	1465
10	2	5498	15	100	1220	



11	3	5498	15	60	1981	1420	9.49189
12	1	5498	15	90			10.564894
13	2	5498	15	75	1357		11.70139
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	5494.4	6	50	1934	1576	0.454939
2	1	5494.4	6	60			1.204
3	1	5494.4	6	60			2.20396
4	2	5494.4	6	55	1868		3.421673
5	3	5494.4	6	70	1220	1978	3.510208
6	1	5494.4	6	85			4.846167
7	1	5494.4	6	50			5.674616
8	2	5494.4	6	80	1296		6.646008
9	2	5494.4	6	50	1703		6.893831
10	2	5494.4	6	95	1987		8.232543
11	3	5494.4	6	90	1572	1410	8.646156
12	1	5494.4	6	70			9.460073
13	2	5494.4	6	90	1878		10.648103
14	3	5494.4	6	90	1955	1202	11.543121
USA Bin 5 Trial #8							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5497.6	14	70	1058		0.702712
2	2	5497.6	14	80	1693		2.38991
3	2	5497.6	14	90	1355		3.42363
4	2	5497.6	14	85	1694		4.008688
5	3	5497.6	14	50	1027	1430	5.290647
6	1	5497.6	14	95			7.194208
7	2	5497.6	14	100	1517		7.241474
8	2	5497.6	14	55	1354		8.861946
9	3	5497.6	14	55	1755	1440	10.783439
10	3	5497.6	14	65	1329	1899	11.182173
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	5497.6	14	100			0.164416
2	3	5497.6	14	85	1566	1160	1.329756
3	1	5497.6	14	50			1.718802
4	3	5497.6	14	50	1849	1782	2.880879
5	1	5497.6	14	70			3.157414
6	1	5497.6	14	80			3.767331
7	2	5497.6	14	80	1199		4.972557
8	2	5497.6	14	75	1036		5.827178
9	3	5497.6	14	75	1502	1142	6.696722
10	3	5497.6	14	100	1214	1772	7.335685
11	1	5497.6	14	65			7.608554
12	2	5497.6	14	90	1876		8.405334
13	1	5497.6	14	80			9.01029
14	2	5497.6	14	85	1272		9.771764
15	3	5497.6	14	60	1565	1559	10.947009
16	2	5497.6	14	65	1431		11.555599
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	5499.2	18	95	1254		0.403763
2	2	5499.2	18	60	1002		1.930583
3	1	5499.2	18	60			2.984122
4	1	5499.2	18	85			3.418507
5	1	5499.2	18	100			4.792451
6	3	5499.2	18	70	1141	1651	6.033781
7	1	5499.2	18	75			7.068549



8	3	5499.2	18	80	1359	1153	7.91159
9	3	5499.2	18	55	1294	1101	8.810526
10	2	5499.2	18	80	1522		9.866605
11	2	5499.2	18	75	1635		11.126262

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	14	50	1280	0.219995
2	3	5530	14	80	1136	1771
3	2	5530	14	80	1532	2.578623
4	1	5530	14	85		3.945796
5	1	5530	14	50		5.670541
6	3	5530	14	95	1012	1114
7	3	5530	14	100	1198	1794
8	2	5530	14	75	1592	
9	2	5530	14	95	1219	
10	3	5530	14	70	1295	1182

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5530	11	85	1599	0.384441
2	1	5530	11	55		1.674594
3	2	5530	11	80	1203	2.553001
4	1	5530	11	60		3.355563
5	2	5530	11	100	1158	4.918502
6	1	5530	11	70		6.257709
7	2	5530	11	55	1584	7.516918
8	2	5530	11	55	1931	8.367561
9	1	5530	11	100		9.147943
10	3	5530	11	90	1480	1066
11	2	5530	11	90	1807	

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	14	65		0.593564
2	2	5530	14	85	1322	1.511741
3	2	5530	14	60	1315	3.298555
4	1	5530	14	80		4.214068
5	2	5530	14	50	1112	5.257631
6	3	5530	14	70	1379	1827
7	3	5530	14	90	1326	1760
8	3	5530	14	100	1747	1980
9	3	5530	14	85	1319	1096
10	2	5530	14	100	1608	

USA Bin 5 Trial #14

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5530	12	60	1769	0.648199
2	2	5530	12	65	1576	0.772558
3	2	5530	12	75	1490	1.712081
4	3	5530	12	55	1338	1797
5	3	5530	12	90	1615	1073
6	2	5530	12	90	1844	
7	2	5530	12	55	1385	
8	1	5530	12	100		
9	1	5530	12	90		
10	1	5530	12	100		
11	3	5530	12	75	1534	1005
12	3	5530	12	55	1616	1532
13	1	5530	12	80		
14	3	5530	12	90	1479	1306
15	2	5530	12	55	1320	



16	3	5530	12	75	1020	1649	10.91466
17	1	5530	12	100			11.904883
USA Bin 5 Trial #15							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	3	5530	16	95	1858	1799	0.288045
2	1	5530	16	65			1.949755
3	2	5530	16	75	1222		3.988022
4	2	5530	16	95	1430		5.607831
5	1	5530	16	90			6.541491
6	3	5530	16	95	1567	1075	8.358772
7	3	5530	16	50	1920	1146	9.522219
8	3	5530	16	70	1266	1126	11.925195
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	7	80	1969		0.038526
2	1	5530	7	75			2.366849
3	3	5530	7	90	1873	1069	2.883938
4	3	5530	7	80	1529	1439	4.944824
5	1	5530	7	60			6.286735
6	1	5530	7	100			7.959222
7	3	5530	7	50	1088	1885	8.847272
8	2	5530	7	85	1700		9.6006
9	2	5530	7	95	1938		11.860712
USA Bin 5 Trial #17							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	1	5530	19	70			0.005887
2	3	5530	19	75	1111	1468	0.978151
3	1	5530	19	60			1.509112
4	3	5530	19	100	1141	1912	2.387468
5	1	5530	19	90			2.900937
6	2	5530	19	95	1950		3.334052
7	1	5530	19	95			4.007479
8	2	5530	19	100	1126		4.680105
9	2	5530	19	100	1588		4.985464
10	2	5530	19	50	1536		5.821166
11	3	5530	19	85	1152	1275	6.578844
12	3	5530	19	85	1848	1653	6.732095
13	1	5530	19	75			7.296426
14	1	5530	19	70			8.276487
15	2	5530	19	75	1983		8.774461
16	3	5530	19	80	1075	1406	9.584236
17	3	5530	19	70	1629	1918	9.994973
18	2	5530	19	85	1919		10.248345
19	1	5530	19	55			11.120637
20	1	5530	19	100			11.53028
USA Bin 5 Trial #18							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	1	5530	17	70			0.484924
2	1	5530	17	95			2.12927
3	1	5530	17	85			2.411668
4	3	5530	17	55	2000	1668	4.206578
5	3	5530	17	100	1751	1498	5.503459
6	3	5530	17	65	1460	1918	6.166394
7	3	5530	17	80	1022	1313	7.291375
8	2	5530	17	65	1596		8.781688
9	3	5530	17	50	1737	1143	10.559472
10	3	5530	17	100	1072	1131	11.975277
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	5530	8	60	1442	1654
2	3	5530	8	75	1701	1450
3	2	5530	8	70	1153	
4	3	5530	8	80	1956	1444
5	3	5530	8	85	1961	1114
6	1	5530	8	90		
7	3	5530	8	55	1896	1999
8	3	5530	8	100	1209	1581
9	1	5530	8	90		

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	5530	10	95		
2	1	5530	10	55		
3	2	5530	10	80	1164	
4	2	5530	10	70	1755	
5	3	5530	10	85	1528	1062
6	3	5530	10	70	1862	1180
7	1	5530	10	70		
8	1	5530	10	55		
9	1	5530	10	55		

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	5563.2	12	80	1281	1432
2	3	5563.2	12	65	1357	1837
3	1	5563.2	12	90		
4	2	5563.2	12	70	1945	
5	1	5563.2	12	85		
6	2	5563.2	12	50	1916	
7	1	5563.2	12	50		
8	3	5563.2	12	60	1150	1203
9	2	5563.2	12	80	1143	
10	3	5563.2	12	60	1095	1838
11	2	5563.2	12	85	1062	
12	3	5563.2	12	85	1083	1507
13	1	5563.2	12	75		
14	1	5563.2	12	80		
15	2	5563.2	12	80	1281	
16	3	5563.2	12	95	1836	1188

USA Bin 5 Trial #22

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5562.8	13	95	1460	
2	2	5562.8	13	85	2000	
3	2	5562.8	13	80	1604	
4	3	5562.8	13	60	1850	1996
5	3	5562.8	13	90	1923	1754
6	2	5562.8	13	60	1577	
7	1	5562.8	13	70		
8	3	5562.8	13	55	1549	1601
9	1	5562.8	13	65		
10	2	5562.8	13	95	1888	
11	1	5562.8	13	75		
12	3	5562.8	13	90	1229	1032
13	2	5562.8	13	70	1051	
14	2	5562.8	13	95	1521	
15	1	5562.8	13	75		
16	2	5562.8	13	50	1715	
17	2	5562.8	13	50	1853	



18	3	5562.8	13	85	1459	1125	11.819897
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	5560	20	85			0.68125
2	1	5560	20	55			1.126997
3	3	5560	20	90	1687	1685	2.884928
4	1	5560	20	55			3.007987
5	2	5560	20	95	1896		4.111739
6	3	5560	20	50	1611	1220	5.405335
7	2	5560	20	55	1696		6.12038
8	1	5560	20	65			7.437209
9	3	5560	20	65	1697	1809	8.792129
10	2	5560	20	55	1930		9.241356
11	1	5560	20	55			10.004942
12	3	5560	20	100	1615	1799	11.229896
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	5561.2	17	65			0.337047
2	3	5561.2	17	55	1280	1059	0.990791
3	3	5561.2	17	70	1497	1146	2.009287
4	2	5561.2	17	95	1765		2.563666
5	3	5561.2	17	95	1297	1834	3.476165
6	1	5561.2	17	80			4.363173
7	1	5561.2	17	65			4.881124
8	1	5561.2	17	60			5.602773
9	3	5561.2	17	85	1041	1246	6.436531
10	1	5561.2	17	65			7.356974
11	3	5561.2	17	70	1306	1951	7.843001
12	1	5561.2	17	70			8.673677
13	1	5561.2	17	95			9.009443
14	1	5561.2	17	80			9.831351
15	2	5561.2	17	70	1238		10.729386
16	3	5561.2	17	70	1491	1808	11.499083
USA Bin 5 Trial #25							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5560	20	95	1568		0.362746
2	3	5560	20	50	1213	1221	2.007118
3	3	5560	20	90	1073	1493	4.128956
4	3	5560	20	65	1390	1974	5.830794
5	1	5560	20	80			6.288217
6	1	5560	20	90			8.556442
7	1	5560	20	60			9.245966
8	2	5560	20	100	1666		11.717703
USA Bin 5 Trial #26							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5564	10	50	1457		1.437932
2	3	5564	10	85	1554	1967	2.086367
3	2	5564	10	70	1148		4.022317
4	1	5564	10	70			5.415173
5	3	5564	10	50	1517	1126	6.782265
6	3	5564	10	90	1160	1144	7.588
7	2	5564	10	75	1009		10.056304
8	2	5564	10	50	1082		11.504852
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	5560.8	18	60	1959		0.831423
2	2	5560.8	18	50	1705		1.550935



3	1	5560.8	18	50			2.640494
4	1	5560.8	18	80			4.672337
5	1	5560.8	18	80			4.815733
6	1	5560.8	18	90			6.781643
7	3	5560.8	18	70	1465	1463	7.633569
8	1	5560.8	18	80			9.533086
9	3	5560.8	18	75	1436	1711	10.594232
10	3	5560.8	18	85	1934	1729	11.105089

USA Bin 5 Trial #28

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5562	15	90		0.929442
2	1	5562	15	55		1.93825
3	3	5562	15	95	1888	3.250215
4	3	5562	15	85	1391	5.038369
5	2	5562	15	70	1485	7.416374
6	1	5562	15	50		8.725955
7	2	5562	15	50	1559	9.053712
8	3	5562	15	60	1344	11.307263

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	5565.2	7	50	1637	1.174841
2	3	5565.2	7	70	1222	2.253956
3	2	5565.2	7	95	1977	3.022862
4	3	5565.2	7	80	1599	4.594155
5	2	5565.2	7	65	1061	5.641329
6	3	5565.2	7	65	1529	6.640586
7	1	5565.2	7	95		7.347164
8	1	5565.2	7	100		8.510185
9	3	5565.2	7	75	1535	9.677294
10	1	5565.2	7	65		11.558299

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	5562.4	14	70	1484	0.086504
2	1	5562.4	14	55		1.762299
3	3	5562.4	14	85	1208	2.236946
4	1	5562.4	14	55		2.880255
5	1	5562.4	14	80		3.737918
6	2	5562.4	14	70	1892	4.819498
7	2	5562.4	14	100	1566	5.568524
8	2	5562.4	14	50	1042	6.589578
9	1	5562.4	14	80		7.465579
10	1	5562.4	14	95		8.804188
11	2	5562.4	14	100	1853	9.654035
12	3	5562.4	14	70	1073	10.775506
13	1	5562.4	14	80		11.390045

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

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

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

USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
3	5507	9
4	5566	12
13	5550	39
16	5519	48
26	5543	78
38	5536	114
44	5495	132
50	5520	150
53	5513	159
58	5538	174
63	5523	189
70	5529	210
78	5493	234
83	5537	249
90	5567	270
94	5565	282

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
5	5526	15
6	5539	18
7	5495	21
9	5523	27
20	5551	60
22	5547	66
27	5498	81
29	5493	87
33	5555	99
43	5554	129
44	5503	132
65	5557	195
80	5504	240
81	5538	243
93	5560	279

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
10	5511	30
15	5543	45
19	5562	57
28	5522	84
40	5526	120
41	5529	123
48	5494	144
49	5544	147
63	5540	189
66	5517	198
68	5534	204
73	5493	219
80	5559	240
82	5533	246
91	5514	273
92	5535	276
96	5506	288

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
0	5523	0
3	5558	9
8	5505	24
10	5518	30
19	5543	57
20	5530	60
40	5520	120
42	5519	126
54	5493	162
62	5546	186
63	5506	189
73	5568	219

75	5556	225
78	5509	234
79	5527	237
80	5521	240
94	5548	282

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
12	5505	36
14	5519	42
20	5522	60
23	5542	69
26	5526	78
29	5504	87
53	5516	159
55	5547	165
86	5538	258
91	5554	273
97	5512	291
99	5561	297

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
15	5519	45
25	5541	75
28	5547	84
40	5568	120
52	5509	156
56	5566	168
59	5521	177
63	5555	189
64	5505	192
75	5564	225
80	5518	240
83	5525	249
93	5549	279
95	5557	285

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
5	5517	15
11	5498	33
13	5505	39
21	5520	63
22	5494	66
45	5501	135
49	5513	147
56	5568	168
58	5547	174
71	5545	213
74	5509	222
79	5536	237
89	5546	267
97	5511	291
99	5553	297

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
5	5512	15
7	5508	21
10	5554	30
12	5529	36
17	5550	51
22	5517	66
27	5553	81
41	5543	123
48	5525	144
54	5549	162
67	5533	201
71	5522	213
72	5527	216
74	5492	222
86	5536	258



87	5526	261
90	5531	270
93	5506	279
94	5524	282

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
6	5540	18
7	5530	21
12	5541	36
15	5500	45
16	5498	48
21	5497	63
31	5566	93
39	5564	117
42	5493	126
48	5547	144
49	5499	147
50	5553	150
77	5568	231
79	5563	237
80	5501	240
82	5560	246
85	5517	255
90	5546	270
93	5533	279
94	5512	282
95	5529	285
99	5520	297

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
10	5507	30
15	5530	45
16	5511	48
38	5560	114
44	5516	132
51	5499	153
54	5563	162
61	5541	183
72	5528	216
82	5558	246
86	5538	258
87	5520	261
92	5559	276
98	5502	294

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
5	5509	15
11	5554	33
14	5568	42
15	5517	45
25	5526	75
27	5541	81
40	5566	120
54	5542	162
55	5529	165
65	5527	195
69	5563	207
72	5506	216
75	5493	225
78	5564	234
81	5523	243
82	5545	246
91	5557	273

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
4	5493	12
14	5535	42
22	5509	66
28	5566	84



37	5518	111
45	5507	135
47	5552	141
72	5500	216
73	5522	219
78	5529	234
79	5505	237
85	5550	255
86	5498	258
87	5536	261
98	5501	294

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
13	5524	39
21	5539	63
23	5543	69
33	5507	99
38	5496	114
49	5558	147
50	5534	150
59	5551	177
71	5498	213
72	5495	216
73	5565	219
80	5523	240
87	5528	261
96	5508	288

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
8	5505	24
14	5553	42
23	5502	69
29	5500	87
38	5537	114
58	5509	174
59	5536	177
63	5504	189
68	5540	204
69	5525	207
79	5499	237
82	5542	246
88	5495	264

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
0	5561 0	
1	5526	3
32	5565	96
52	5509	156
57	5563	171
59	5536	177
63	5492	189
69	5559	207
70	5549	210
72	5547	216
79	5514	237
80	5533	240
89	5535	267
92	5531	276
98	5528	294

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
0	5568 0	
3	5549	9
12	5564	36
13	5511	39
20	5558	60
22	5566	66
38	5498	114
39	5529	117



42	5516	126
50	5538	150
55	5544	165
56	5494	168
60	5557	180
81	5515	243
82	5520	246

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
4	5560	12
9	5504	27
15	5492	45
18	5519	54
19	5503	57
21	5494	63
22	5562	66
28	5550	84
32	5502	96
38	5563	114
51	5516	153
56	5555	168
59	5542	177
62	5545	186
74	5537	222
80	5514	240
86	5511	258
88	5549	264
93	5558	279

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
2	5498	6
4	5552	12
8	5536	24
11	5546	33
12	5533	36
13	5515	39
17	5508	51
25	5567	75
35	5526	105
38	5507	114
44	5568	132
52	5497	156
53	5504	159
67	5501	201
68	5524	204
71	5530	213
78	5527	234
84	5529	252
91	5531	273
96	5562	288

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
1	5532	3
15	5509	45
20	5494	60
30	5560	90
49	5524	147
64	5562	192
66	5508	198
68	5507	204
70	5555	210
76	5540	228
82	5561	246
89	5511	267

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
0	5534	0
8	5507	24
26	5512	78

29	5558	87
30	5529	90
45	5495	135
46	5547	138
70	5545	210
91	5553	273
94	5511	282
96	5506	288
97	5504	291

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
5	5561	15
8	5532	24
11	5503	33
29	5507	87
38	5566	114
46	5557	138
47	5520	141
48	5492	144
56	5526	168
57	5558	171
67	5521	201
68	5501	204
69	5552	207
74	5551	222
78	5508	234
80	5493	240
83	5536	249
95	5565	285

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
0	5539 0	
1	5554	3
4	5559	12
14	5533	42
23	5529	69
36	5550	108
47	5544	141
49	5508	147
50	5556	150
54	5498	162
57	5494	171
65	5524	195
67	5503	201
68	5535	204
74	5553	222
77	5534	231
87	5525	261
91	5530	273

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
0	5495 0	
1	5524	3
3	5498	9
7	5513	21
16	5492	48
19	5556	57
23	5545	69
24	5504	72
27	5552	81
30	5523	90
34	5517	102
35	5559	105
52	5536	156
53	5507	159
58	5544	174
60	5543	180
66	5546	198
76	5557	228

79	5531	237
81	5502	243
85	5555	255
87	5553	261
96	5500	288

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
4	5546	12
9	5520	27
17	5547	51
28	5568	84
36	5533	108
44	5519	132
46	5567	138
49	5539	147
69	5550	207
79	5537	237
83	5560	249
89	5523	267
90	5536	270
93	5534	279
94	5522	282

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
10	5515	30
16	5529	48
21	5526	63
24	5500	72
26	5493	78
32	5533	96
44	5532	132
48	5564	144
54	5522	162
58	5565	174
65	5567	195
67	5517	201
76	5501	228
83	5492	249
84	5499	252

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
18	5563	54
21	5565	63
30	5555	90
36	5522	108
39	5553	117
40	5566	120
44	5510	132
62	5515	186
64	5542	192
66	5531	198
72	5536	216

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
2	5566	6
13	5539	39
15	5540	45
16	5554	48
19	5497	57
23	5528	69
26	5496	78
37	5567	111
44	5537	132
45	5534	135
48	5507	144
56	5506	168
65	5511	195
69	5512	207
72	5520	216



73	5492	219
77	5553	231
79	5542	237
84	5505	252
96	5538	288
97	5563	291

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
4	5503	12
5	5519	15
20	5504	60
23	5523	69
35	5516	105
54	5539	162
58	5566	174
61	5551	183
65	5535	195
71	5549	213
75	5550	225
76	5500	228
95	5564	285
97	5536	291
99	5520	297

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
7	5499	21
10	5545	30
13	5549	39
16	5558	48
18	5504	54
22	5540	66
28	5562	84
41	5555	123
43	5539	129
48	5501	144
56	5492	168
64	5519	192
66	5500	198
74	5496	222
78	5506	234
83	5512	249
86	5535	258
96	5530	288
98	5567	294

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
2	5531	6
6	5561	18
12	5503	36
20	5506	60
30	5563	90
33	5532	99
35	5540	105
41	5553	123
61	5555	183
77	5558	231
79	5510	237
81	5497	243
82	5541	246
89	5527	267
91	5517	273
93	5494	279

USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
3	5507	9
4	5566	12
13	5550	39
16	5519	48
26	5543	78



38	5536	114
44	5495	132
50	5520	150
53	5513	159
58	5538	174
63	5523	189
70	5529	210
78	5493	234
83	5537	249
90	5567	270
94	5565	282

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
5	5526	15
6	5539	18
7	5495	21
9	5523	27
20	5551	60
22	5547	66
27	5498	81
29	5493	87
33	5555	99
43	5554	129
44	5503	132
65	5557	195
80	5504	240
81	5538	243
93	5560	279

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
10	5511	30
15	5543	45
19	5562	57
28	5522	84
40	5526	120
41	5529	123
48	5494	144
49	5544	147
63	5540	189
66	5517	198
68	5534	204
73	5493	219
80	5559	240
82	5533	246
91	5514	273
92	5535	276
96	5506	288

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
0	5523	0
3	5558	9
8	5505	24
10	5518	30
19	5543	57
20	5530	60
40	5520	120
42	5519	126
54	5493	162
62	5546	186
63	5506	189
73	5568	219
75	5556	225
78	5509	234
79	5527	237
80	5521	240
94	5548	282

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
12	5505	36

14	5519	42
20	5522	60
23	5542	69
26	5526	78
29	5504	87
53	5516	159
55	5547	165
86	5538	258
91	5554	273
97	5512	291
99	5561	297

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
15	5519	45
25	5541	75
28	5547	84
40	5568	120
52	5509	156
56	5566	168
59	5521	177
63	5555	189
64	5505	192
75	5564	225
80	5518	240
83	5525	249
93	5549	279
95	5557	285

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
5	5517	15
11	5498	33
13	5505	39
21	5520	63
22	5494	66
45	5501	135
49	5513	147
56	5568	168
58	5547	174
71	5545	213
74	5509	222
79	5536	237
89	5546	267
97	5511	291
99	5553	297

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
5	5512	15
7	5508	21
10	5554	30
12	5529	36
17	5550	51
22	5517	66
27	5553	81
41	5543	123
48	5525	144
54	5549	162
67	5533	201
71	5522	213
72	5527	216
74	5492	222
86	5536	258
87	5526	261
90	5531	270
93	5506	279
94	5524	282

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
6	5540	18
7	5530	21

12	5541	36
15	5500	45
16	5498	48
21	5497	63
31	5566	93
39	5564	117
42	5493	126
48	5547	144
49	5499	147
50	5553	150
77	5568	231
79	5563	237
80	5501	240
82	5560	246
85	5517	255
90	5546	270
93	5533	279
94	5512	282
95	5529	285
99	5520	297

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
10	5507	30
15	5530	45
16	5511	48
38	5560	114
44	5516	132
51	5499	153
54	5563	162
61	5541	183
72	5528	216
82	5558	246
86	5538	258
87	5520	261
92	5559	276
98	5502	294

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
5	5509	15
11	5554	33
14	5568	42
15	5517	45
25	5526	75
27	5541	81
40	5566	120
54	5542	162
55	5529	165
65	5527	195
69	5563	207
72	5506	216
75	5493	225
78	5564	234
81	5523	243
82	5545	246
91	5557	273

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
4	5493	12
14	5535	42
22	5509	66
28	5566	84
37	5518	111
45	5507	135
47	5552	141
72	5500	216
73	5522	219
78	5529	234
79	5505	237
85	5550	255

86	5498	258
87	5536	261
98	5501	294

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
13	5524	39
21	5539	63
23	5543	69
33	5507	99
38	5496	114
49	5558	147
50	5534	150
59	5551	177
71	5498	213
72	5495	216
73	5565	219
80	5523	240
87	5528	261
96	5508	288

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
8	5505	24
14	5553	42
23	5502	69
29	5500	87
38	5537	114
58	5509	174
59	5536	177
63	5504	189
68	5540	204
69	5525	207
79	5499	237
82	5542	246
88	5495	264

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
0	5561	0
1	5526	3
32	5565	96
52	5509	156
57	5563	171
59	5536	177
63	5492	189
69	5559	207
70	5549	210
72	5547	216
79	5514	237
80	5533	240
89	5535	267
92	5531	276
98	5528	294

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
0	5568	0
3	5549	9
12	5564	36
13	5511	39
20	5558	60
22	5566	66
38	5498	114
39	5529	117
42	5516	126
50	5538	150
55	5544	165
56	5494	168
60	5557	180
81	5515	243
82	5520	246

USA Frequency Hopping Trial #17



Hop #	Freq (GHz)	Pulse Start (mS)
4	5560	12
9	5504	27
15	5492	45
18	5519	54
19	5503	57
21	5494	63
22	5562	66
28	5550	84
32	5502	96
38	5563	114
51	5516	153
56	5555	168
59	5542	177
62	5545	186
74	5537	222
80	5514	240
86	5511	258
88	5549	264
93	5558	279

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
2	5498	6
4	5552	12
8	5536	24
11	5546	33
12	5533	36
13	5515	39
17	5508	51
25	5567	75
35	5526	105
38	5507	114
44	5568	132
52	5497	156
53	5504	159
67	5501	201
68	5524	204
71	5530	213
78	5527	234
84	5529	252
91	5531	273
96	5562	288

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
1	5532	3
15	5509	45
20	5494	60
30	5560	90
49	5524	147
64	5562	192
66	5508	198
68	5507	204
70	5555	210
76	5540	228
82	5561	246
89	5511	267

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
0	5534	0
8	5507	24
26	5512	78
29	5558	87
30	5529	90
45	5495	135
46	5547	138
70	5545	210
91	5553	273
94	5511	282
96	5506	288



97	5504	291
USA Frequency Hopping Trial #21		
Hop #	Freq (GHz)	Pulse Start (mS)
5	5561	15
8	5532	24
11	5503	33
29	5507	87
38	5566	114
46	5557	138
47	5520	141
48	5492	144
56	5526	168
57	5558	171
67	5521	201
68	5501	204
69	5552	207
74	5551	222
78	5508	234
80	5493	240
83	5536	249
95	5565	285

USA Frequency Hopping Trial #22		
Hop #	Freq (GHz)	Pulse Start (mS)
0	5539	0
1	5554	3
4	5559	12
14	5533	42
23	5529	69
36	5550	108
47	5544	141
49	5508	147
50	5556	150
54	5498	162
57	5494	171
65	5524	195
67	5503	201
68	5535	204
74	5553	222
77	5534	231
87	5525	261
91	5530	273

USA Frequency Hopping Trial #23		
Hop #	Freq (GHz)	Pulse Start (mS)
0	5495	0
1	5524	3
3	5498	9
7	5513	21
16	5492	48
19	5556	57
23	5545	69
24	5504	72
27	5552	81
30	5523	90
34	5517	102
35	5559	105
52	5536	156
53	5507	159
58	5544	174
60	5543	180
66	5546	198
76	5557	228
79	5531	237
81	5502	243
85	5555	255
87	5553	261
96	5500	288

USA Frequency Hopping Trial #24		
Hop #	Freq (GHz)	Pulse Start (mS)
4	5546	12

9	5520	27
17	5547	51
28	5568	84
36	5533	108
44	5519	132
46	5567	138
49	5539	147
69	5550	207
79	5537	237
83	5560	249
89	5523	267
90	5536	270
93	5534	279
94	5522	282

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
10	5515	30
16	5529	48
21	5526	63
24	5500	72
26	5493	78
32	5533	96
44	5532	132
48	5564	144
54	5522	162
58	5565	174
65	5567	195
67	5517	201
76	5501	228
83	5492	249
84	5499	252

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
18	5563	54
21	5565	63
30	5555	90
36	5522	108
39	5553	117
40	5566	120
44	5510	132
62	5515	186
64	5542	192
66	5531	198
72	5536	216

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
2	5566	6
13	5539	39
15	5540	45
16	5554	48
19	5497	57
23	5528	69
26	5496	78
37	5567	111
44	5537	132
45	5534	135
48	5507	144
56	5506	168
65	5511	195
69	5512	207
72	5520	216
73	5492	219
77	5553	231
79	5542	237
84	5505	252
96	5538	288
97	5563	291

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
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4	5503	12
5	5519	15
20	5504	60
23	5523	69
35	5516	105
54	5539	162
58	5566	174
61	5551	183
65	5535	195
71	5549	213
75	5550	225
76	5500	228
95	5564	285
97	5536	291
99	5520	297

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
7	5499	21
10	5545	30
13	5549	39
16	5558	48
18	5504	54
22	5540	66
28	5562	84
41	5555	123
43	5539	129
48	5501	144
56	5492	168
64	5519	192
66	5500	198
74	5496	222
78	5506	234
83	5512	249
86	5535	258
96	5530	288
98	5567	294

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
2	5531	6
6	5561	18
12	5503	36
20	5506	60
30	5563	90
33	5532	99
35	5540	105
41	5553	123
61	5555	183
77	5558	231
79	5510	237
81	5497	243
82	5541	246
89	5527	267
91	5517	273
93	5494	279

Channel 5530 MHz, 160MHz BW, USA Bin 0 Radar Statistical Performance

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5175	18	1	1428	1	90.0%	60.0%
2	5175	18	1	1428	1		
3	5175	18	1	1428	1		
4	5175	18	1	1428	1		
5	5175	18	1	1428	1		
6	5180	18	1	1428	1		
7	5180	18	1	1428	0		
8	5180	18	1	1428	1		
9	5180	18	1	1428	1		
10	5180	18	1	1428	1		
11	5200	18	1	1428	1		
12	5200	18	1	1428	1		
13	5200	18	1	1428	1		
14	5200	18	1	1428	1		
15	5200	18	1	1428	1		
16	5220	18	1	1428	1		
17	5220	18	1	1428	1		
18	5220	18	1	1428	0		
19	5220	18	1	1428	1		
20	5220	18	1	1428	1		
21	5240	18	1	1428	0		
22	5240	18	1	1428	1		
23	5240	18	1	1428	1		
24	5240	18	1	1428	1		
25	5240	18	1	1428	1		
26	5250	18	1	1428	1		
27	5250	18	1	1428	1		
28	5250	18	1	1428	1		
29	5250	18	1	1428	1		
30	5250	18	1	1428	1		

Channel 5530 MHz, 160MHz BW, USA Bin 1A/1B Radar Statistical Performance

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5175	63	1	838	1	90.0%	60.0%
2	5175	76	1	698	1		
3	5175	81	1	658	1		
4	5175	83	1	638	1		

5	5175	18	1	3066	1
6	5180	68	1	778	1
7	5180	65	1	818	1
8	5180	89	1	598	1
9	5180	76	1	698	1
10	5180	76	1	698	1
11	5200	18	1	3066	1
12	5200	89	1	598	1
13	5200	59	1	898	1
14	5200	57	1	938	1
15	5200	59	1	898	1
16	5220	39	1	1364	1
17	5220	24	1	2286	1
18	5220	20	1	2693	1
19	5220	58	1	911	1
20	5220	20	1	2698	0
21	5240	76	1	701	1
22	5240	60	1	888	1
23	5240	20	1	2681	1
24	5240	18	1	2993	1
25	5240	18	1	2977	1
26	5250	29	1	1837	1
27	5250	97	1	547	0
28	5250	86	1	614	1
29	5250	27	1	2022	1
30	5250	35	1	1530	0

Channel 5530 MHz, 160MHz BW, USA Bin 1A/1B Radar Statistical Performance

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5175	61	1	878	1	76.7%	60.0%
2	5175	70	1	758	0		
3	5175	62	1	858	0		
4	5175	65	1	818	1		
5	5175	63	1	838	1		
6	5180	68	1	778	0		
7	5180	58	1	918	1		
8	5180	18	1	3066	1		
9	5180	92	1	578	1		
10	5180	57	1	938	1		
11	5200	95	1	558	0		
12	5200	74	1	718	1		
13	5200	63	1	838	1		
14	5200	67	1	798	1		
15	5200	102	1	518	0		
16	5220	34	1	1555	1		
17	5220	20	1	2698	0		
18	5220	31	1	1704	0		
19	5220	55	1	965	1		
20	5220	57	1	932	1		
21	5240	51	1	1035	1		
22	5240	35	1	1540	1		
23	5240	24	1	2208	1		
24	5240	18	1	2940	1		
25	5240	43	1	1231	1		
26	5250	40	1	1338	1		
27	5250	25	1	2132	1		
28	5250	49	1	1089	1		
29	5250	20	1	2775	1		
30	5250	24	1	2291	1		

Channel 5250 MHz, 160MHz BW, USA Bin 2 Radar Statistical Performance

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5175	25	3.2	174	1	73.3%	60.0%
2	5175	27	4.7	167	0		
3	5175	23	4.7	161	1		
4	5175	25	2.5	230	1		
5	5175	23	3.7	202	1		
6	5180	28	4.8	201	1		
7	5180	29	1.8	200	1		
8	5180	27	2.3	211	0		
9	5180	23	1.5	155	1		
10	5180	26	1	182	0		
11	5200	28	3.7	187	0		
12	5200	24	4.7	199	0		
13	5200	26	1.1	207	1		
14	5200	27	1.3	204	1		
15	5200	28	2.2	205	1		
16	5220	23	2.3	161	0		
17	5220	27	2.4	202	1		
18	5220	26	2.5	156	1		
19	5220	29	3.1	192	1		
20	5220	25	1.7	222	1		
21	5240	24	2.4	182	1		
22	5240	26	3.5	163	1		
23	5240	25	2.3	180	0		
24	5240	29	1.8	200	0		
25	5240	23	1.2	192	1		
26	5250	27	1.2	185	1		
27	5250	24	3.2	195	1		
28	5250	28	2.2	182	1		
29	5250	23	4.2	181	1		
30	5250	28	4	164	1		

Channel 5250 MHz, 160MHz BW, USA Bin 3 Radar Statistical Performance

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5175	16	8.6	446	1	80.0%	60.0%
2	5175	18	7.5	432	0		
3	5175	16	6.5	220	1		
4	5175	17	8.8	234	1		
5	5175	17	9.1	256	1		
6	5180	16	10	202	1		
7	5180	18	9	279	0		
8	5180	17	7.2	313	0		
9	5180	17	9	373	1		
10	5180	16	8.1	332	1		
11	5200	18	6.9	425	1		
12	5200	18	8.5	480	1		
13	5200	16	9.1	438	1		
14	5200	17	7.2	325	0		
15	5200	18	8.1	349	1		
16	5220	16	8	287	1		
17	5220	18	8.1	319	1		
18	5220	18	6.1	425	1		
19	5220	18	7	243	1		
20	5220	17	8	220	1		
21	5240	17	9.8	330	1		
22	5240	18	7.9	343	0		
23	5240	18	8.3	353	1		
24	5240	16	9.5	214	1		
25	5240	16	6.7	302	1		
26	5250	16	6.7	335	1		
27	5250	18	8.4	275	1		
28	5250	18	7.4	246	1		
29	5250	17	8.7	494	0		
30	5250	18	9.9	304	1		

Channel 5250 MHz, 160MHz BW, USA Bin 4 Radar Statistical Performance

Trial	Frequency	Pulses	PW (uS)	PRI (uS)	1=Detection 0=No Detection	Detection Percentage	Limit
1	5175	12	12.8	344	1	66.7%	60.0%
2	5175	12	16.9	265	0		
3	5175	16	17.1	283	1		
4	5175	14	17.7	207	1		
5	5175	12	13.1	416	0		
6	5180	12	12.2	308	1		
7	5180	12	11.7	472	1		
8	5180	16	18.8	250	1		
9	5180	15	12.4	428	1		
10	5180	13	14	448	1		
11	5200	12	13.9	386	1		
12	5200	14	11.3	431	1		
13	5200	13	19	397	1		
14	5200	12	11.5	499	1		
15	5200	12	16.7	367	0		
16	5220	12	18.8	226	0		
17	5220	13	16.6	498	1		
18	5220	13	12	498	1		
19	5220	15	14.2	290	0		
20	5220	15	16.9	255	1		
21	5240	14	19.7	416	1		
22	5240	15	17	256	0		
23	5240	14	12.9	215	0		
24	5240	16	11.2	449	0		
25	5240	13	17	220	0		
26	5250	13	15.8	303	0		
27	5250	15	12.8	353	1		
28	5250	15	19.8	442	1		
29	5250	15	17.6	222	1		
30	5250	13	11.7	445	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:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100.0\% + 100.0\% + 100.0\% + 96.7\% + 93.3\%) / 5 = 98.0\% (>80\%)$$

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

Channel 5250 MHz, 160MHz 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		