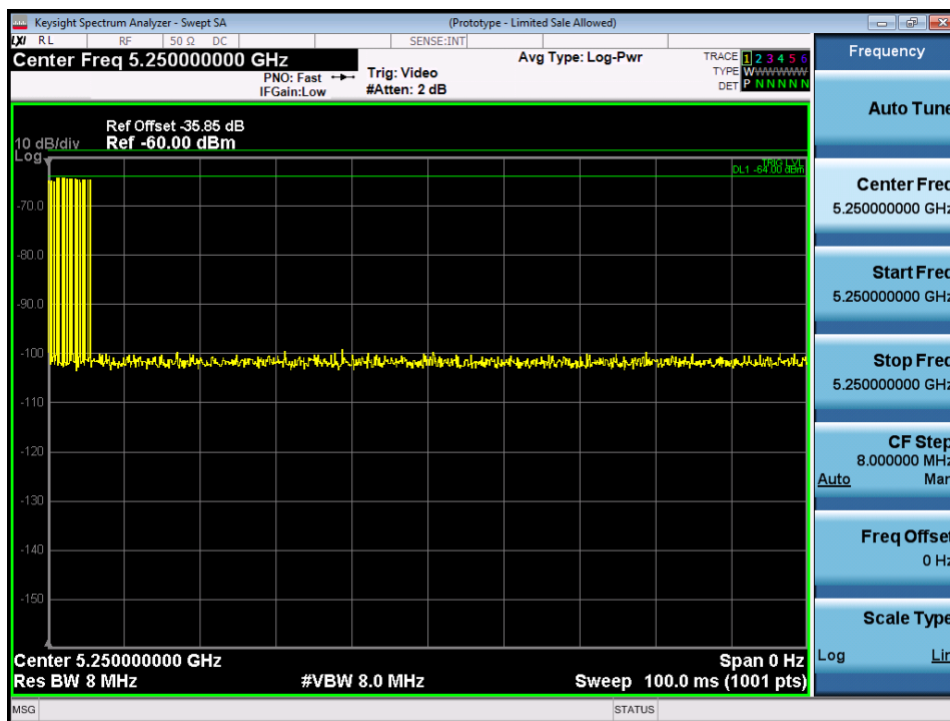
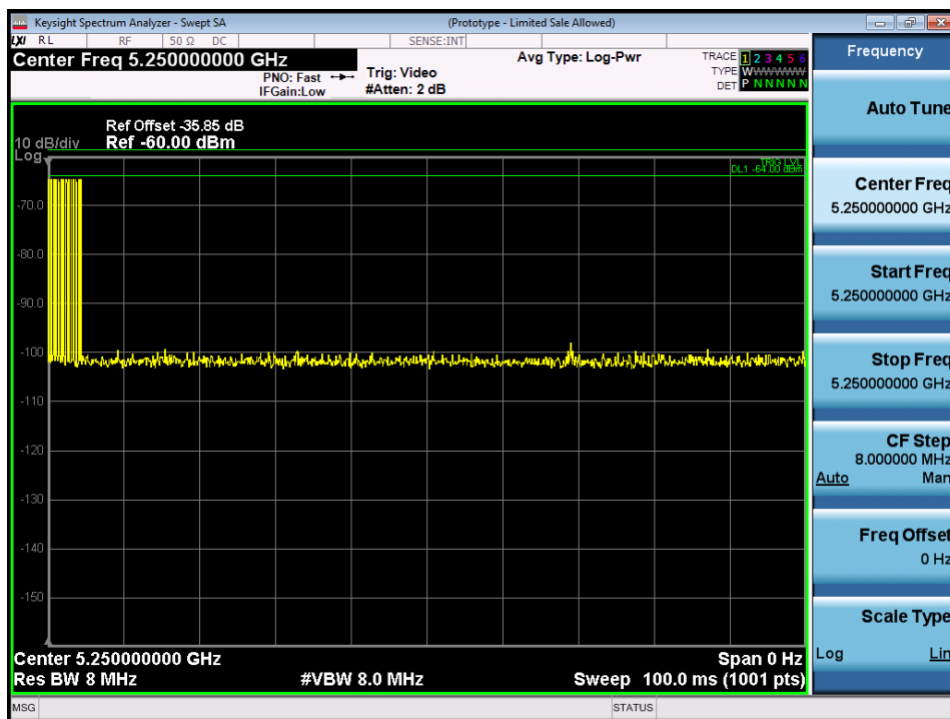
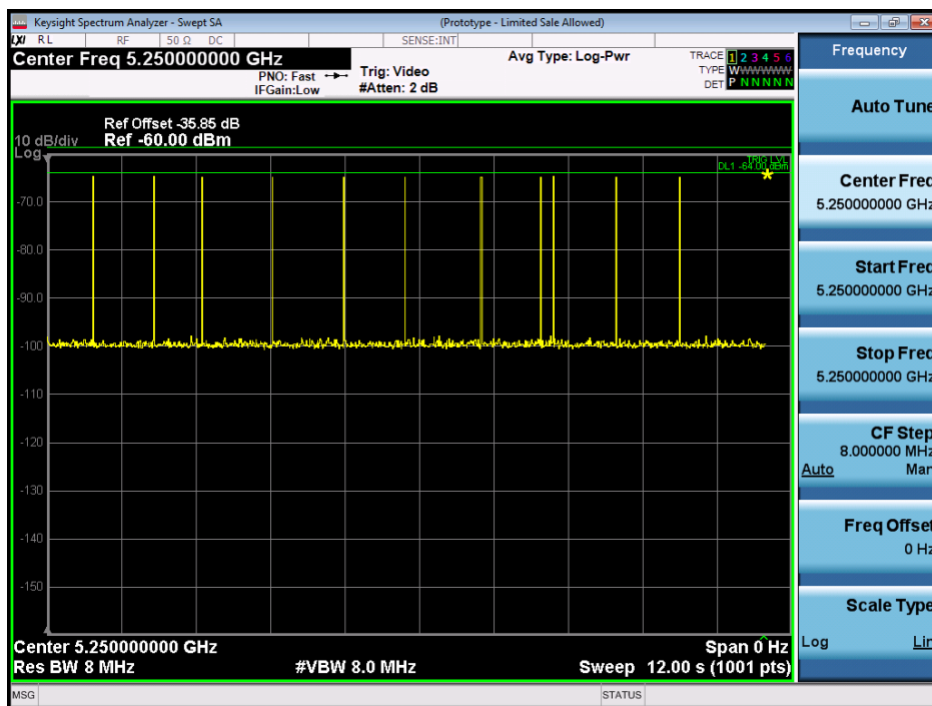
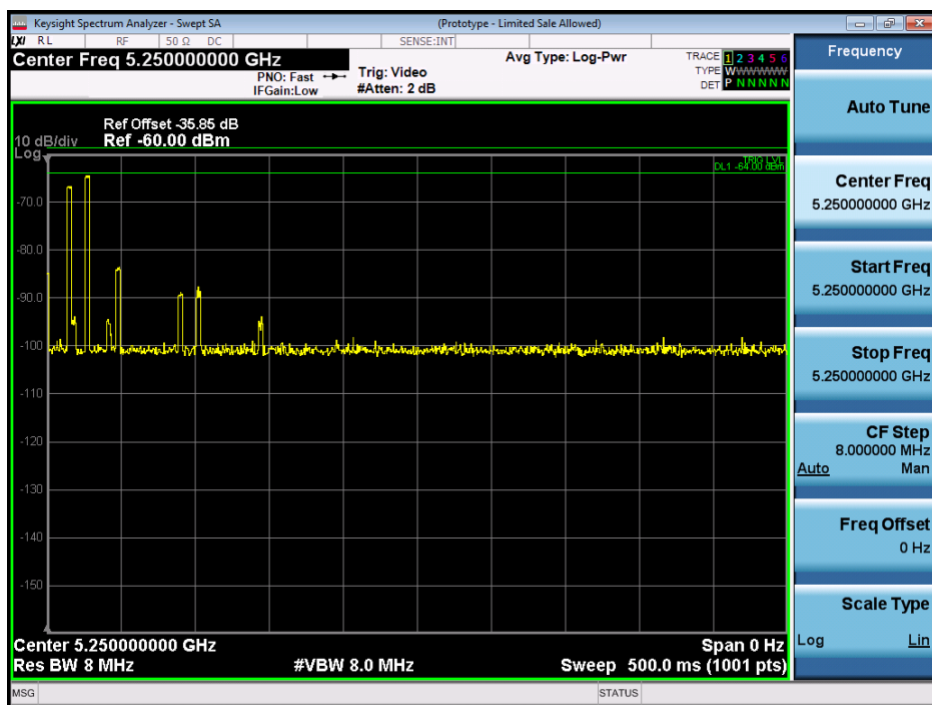




USA Bin 3 Radar Calibration BW160



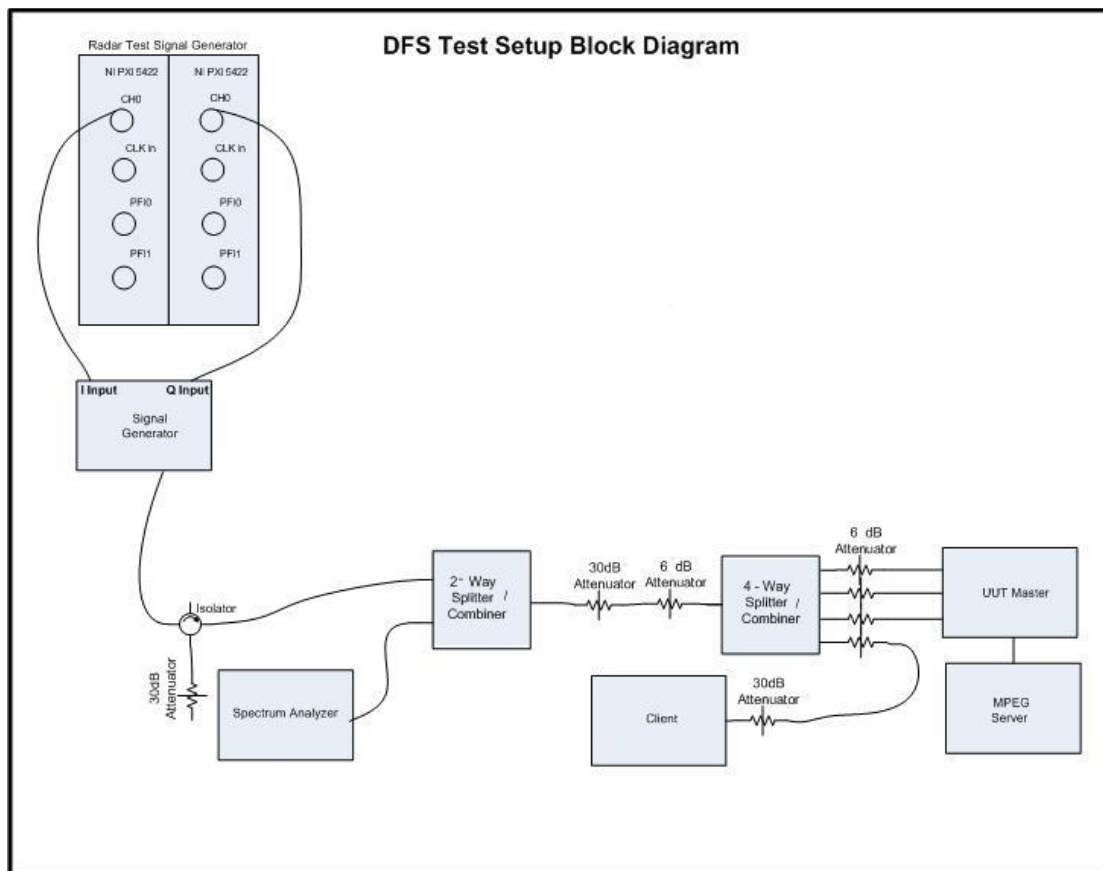
USA Bin 4 Radar Calibration BW160

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

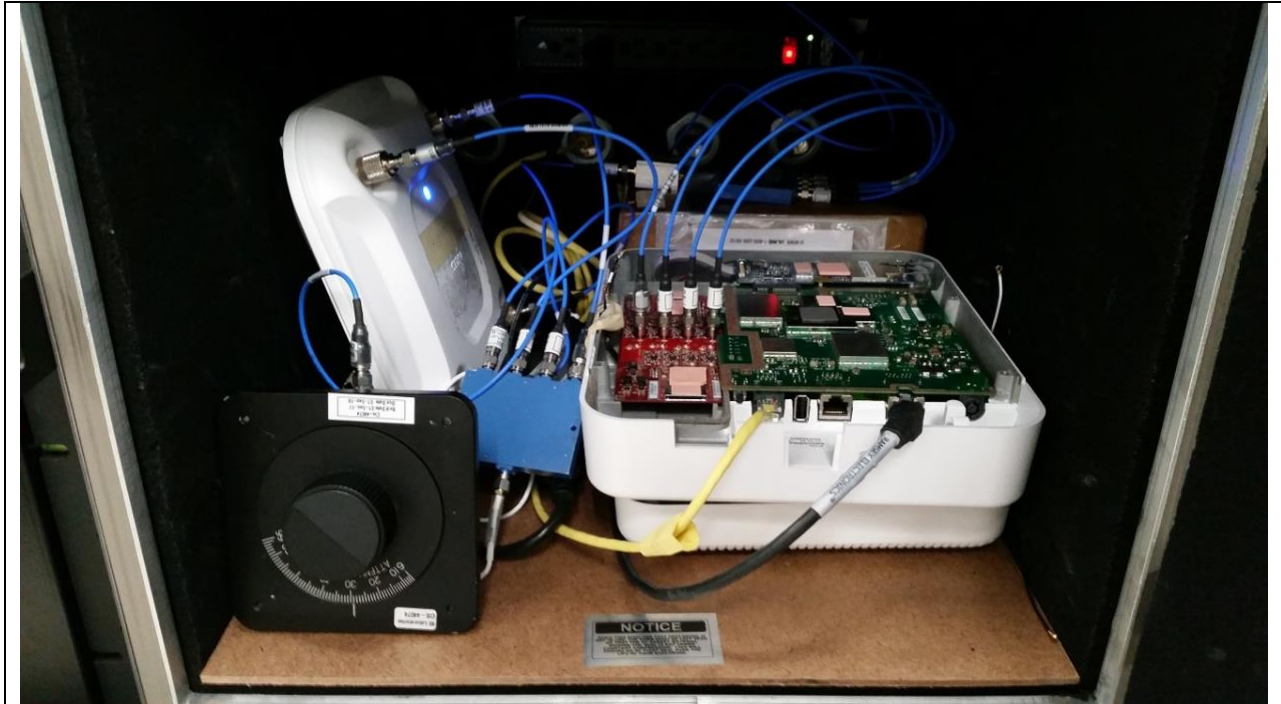
B.1 Test Procedure/Results

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



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	0	1	1	1	1	1	1	90		
5509	1	1	1	1	0	1	1	1	1	1	90		
5510	0	0	0	0	0	0	0	0	0	0	0		

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			
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	0	1	1	1	1	90		
5504	1	1	1	1	1	1	1	1	1	1	100		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	1	100		
5512	1	1	1	1	1	1	1	1	1	1	100		
5513	1	1	1	1	1	1	1	1	1	1	100		
5514	1	1	1	1	1	1	1	1	1	1	100		
5515	1	1	1	1	1	1	1	1	1	1	100		
5516	1	1	1	1	1	1	1	1	1	1	100		
5517	1	1	1	1	1	1	1	1	1	1	100		
5518	1	1	1	1	1	1	1	1	1	1	100		
5519	1	1	1	1	1	1	1	1	1	1	100		
5520	1	1	1	1	1	1	1	1	1	1	100		
5521	1	1	1	1	1	1	1	1	1	1	100		
5522	1	1	1	1	1	1	1	1	1	1	100		
5523	1	1	1	1	1	0	1	1	1	1	90		
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	0	0	0	1	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	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	0	1	1	1	1	1	90		
5505	1	1	1	1	1	1	1	1	1	1	100		
5506	1	1	1	1	1	1	1	1	1	1	100		
5507	1	1	1	1	1	1	1	1	1	1	100		
5508	1	1	1	1	1	1	1	1	1	1	100		
5509	1	1	1	1	1	1	1	1	1	1	100		
5510	1	1	1	1	1	1	1	1	1	1	100		
5511	1	1	1	1	1	1	1	1	1	0	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	0	1	1	1	1	1	1	1	1	90		
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	1	1	1	1	1	1	1	1	1	1	100		
5532	1	1	1	1	1	1	1	1	1	1	100		
5533	1	1	1	1	1	1	1	1	1	1	100		
5534	1	1	1	1	1	1	1	1	1	1	100		
5535	1	1	1	1	1	1	1	1	1	1	100		
5536	1	1	1	1	1	1	1	1	1	1	100		
5537	1	1	1	1	1	1	1	1	1	1	100		
5538	1	1	1	1	1	1	1	1	1	1	100		
5539	1	1	1	1	1	1	1	1	1	1	100		
5540	1	1	1	1	1	1	1	1	1	1	100		
5541	1	1	1	1	1	1	1	1	1	1	100		
5542	1	1	1	1	1	1	1	1	1	1	100		
5543	1	1	1	1	1	1	1	1	1	1	100		
5544	1	1	1	1	1	1	1	1	1	1	100		
5545	1	1	1	1	1	1	1	1	1	1	100		
5546	1	1	1	1	1	1	1	1	1	1	100		
5547	1	1	1	1	1	1	1	1	1	1	100		
5548	1	1	1	1	1	1	1	1	1	1	100		
5549	1	1	1	1	1	1	1	1	1	1	100		
5550	1	1	1	1	1	1	1	1	1	1	100		
5551	1	1	1	1	1	1	1	1	1	1	100		
5552	1	1	1	1	1	1	1	1	1	1	100		
5553	1	1	1	1	1	1	1	1	1	1	100		
5554	1	1	1	1	1	1	1	1	1	1	100		
5555	1	1	1	1	1	1	1	1	1	1	100		
5556	1	1	1	1	1	1	1	1	1	1	100		
5557	1	1	1	1	1	1	1	1	1	1	100		
5558	1	1	1	1	1	1	1	1	1	1	100		
5559	1	1	1	1	1	1	1	1	1	1	100		
5560	1	1	1	1	1	1	1	1	1	1	100		
5561	1	1	1	1	1	1	1	1	1	1	100		
5562	1	1	1	1	1	1	1	1	1	1	100		
5563	1	1	1	1	1	1	1	1	1	1	100		
5564	1	1	1	1	1	1	1	1	1	1	100		
5565	1	1	1	1	1	1	1	1	1	1	100		
5566	1	1	1	1	1	1	1	1	1	1	100		
5567	1	1	1	1	1	1	1	1	1	1	100		
5568	1	1	1	1	1	1	1	1	1	1	100		
5569	1	1	1	1	1	1	1	1	1	1	100		
5570	0	0	0	0	0	0	0	0	0	0	0		

USA Bin 0 Radar (cont)

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			
5170	1	1	1	1	1	1	1	1	1	1	100	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	1	1	1	1	1	1	100		
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	1	1	1	1	1	1	100		
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	1	1	1	1	1	1	1	1	100		
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	1	1	1	100		
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	1	1	1	1	1	1	1	100		
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	1	1	100		
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	1	1	1	1	1	1	1	1	1	100		
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	1	100	160	156
5251	1	1	1	1	1	1	1	1	1	1	100		
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	1	1	1	1	1	1	1	1	1	100		
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	1	100		
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)													
Radar Frequency	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)	Detection Bandwidth (MHz)	Limit (MHz)

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

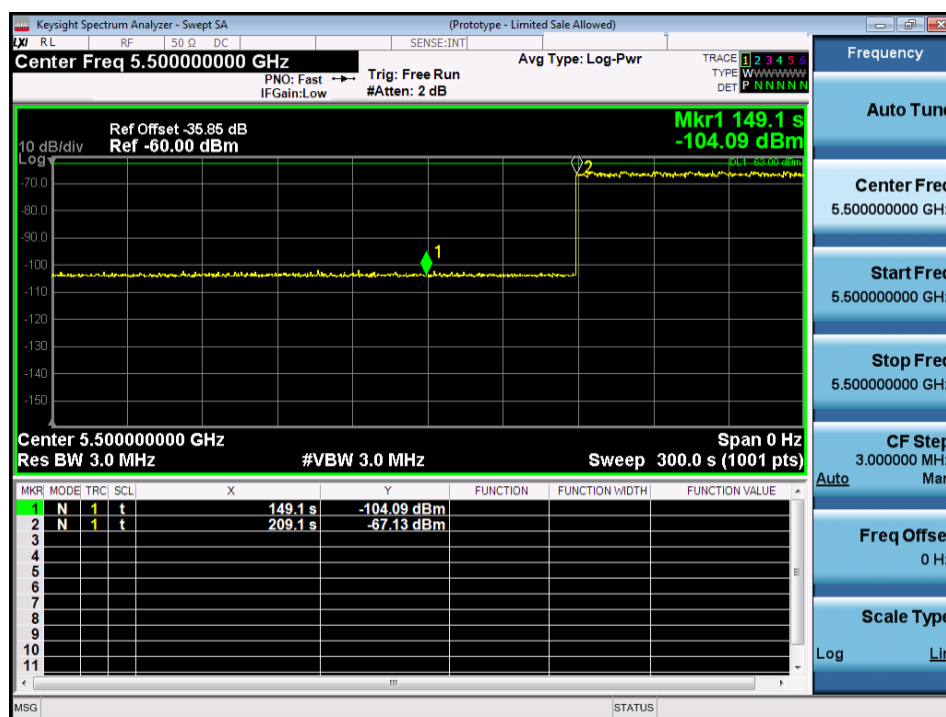
The tests that the UUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.

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.

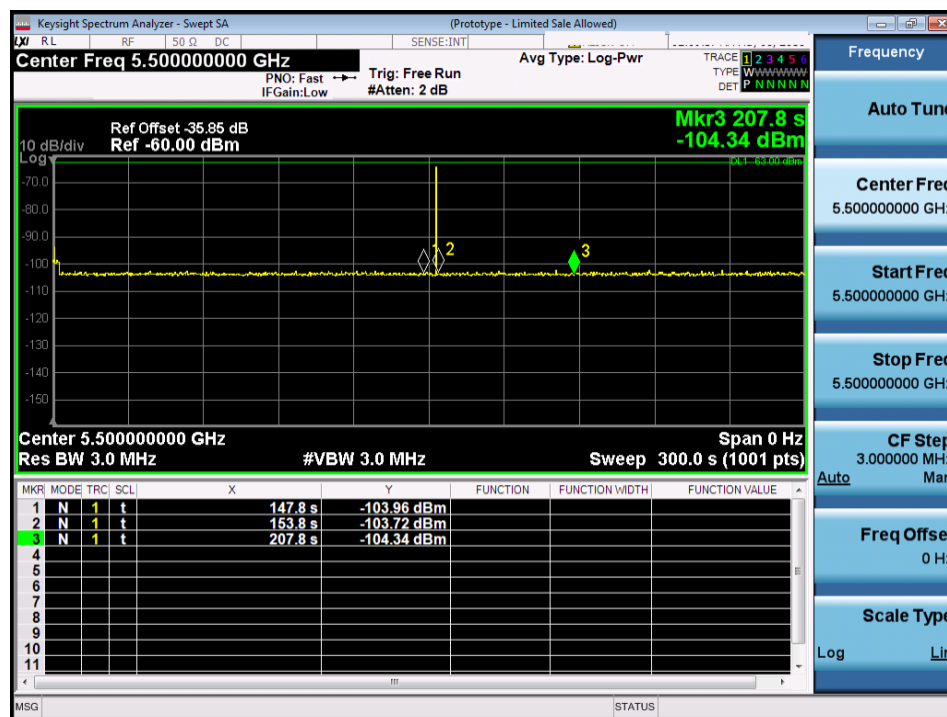
A single Burst of short pulse of radar type 0 at -63 dBm will commence within a 6 second window starting at T_1 .

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.

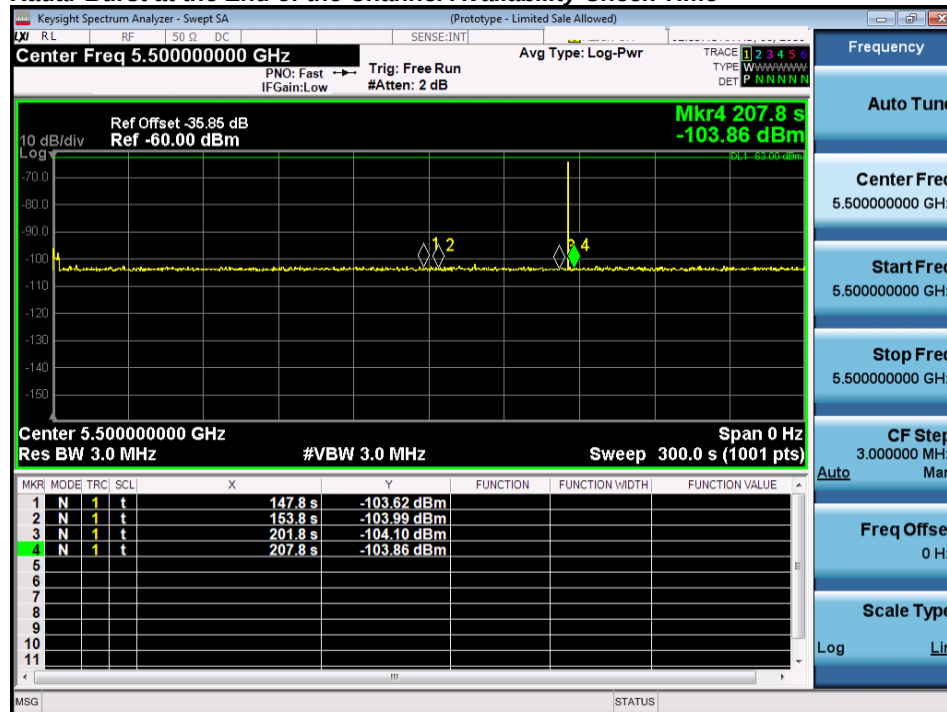
The UUT is powered on at T_0 . T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T_1 and will end no sooner than $T_1 + 60$ seconds.

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.

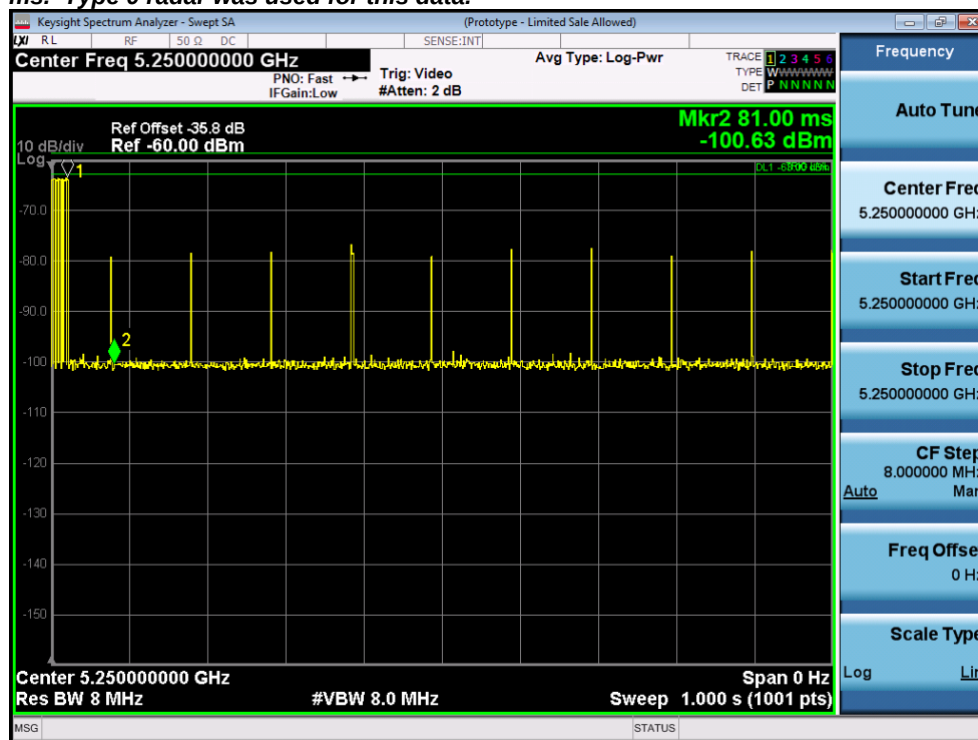
The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB (-63dBm) is generated on the Operating Channel of the U-NII device.

A U-NII device operating as a Client Device will associate with the UUT (Master) at 5250 MHz. Stream IPERF traffic continuously at a loading of 17% from the Master to the Client IP based system on the selected Channel for the entire period of the test.

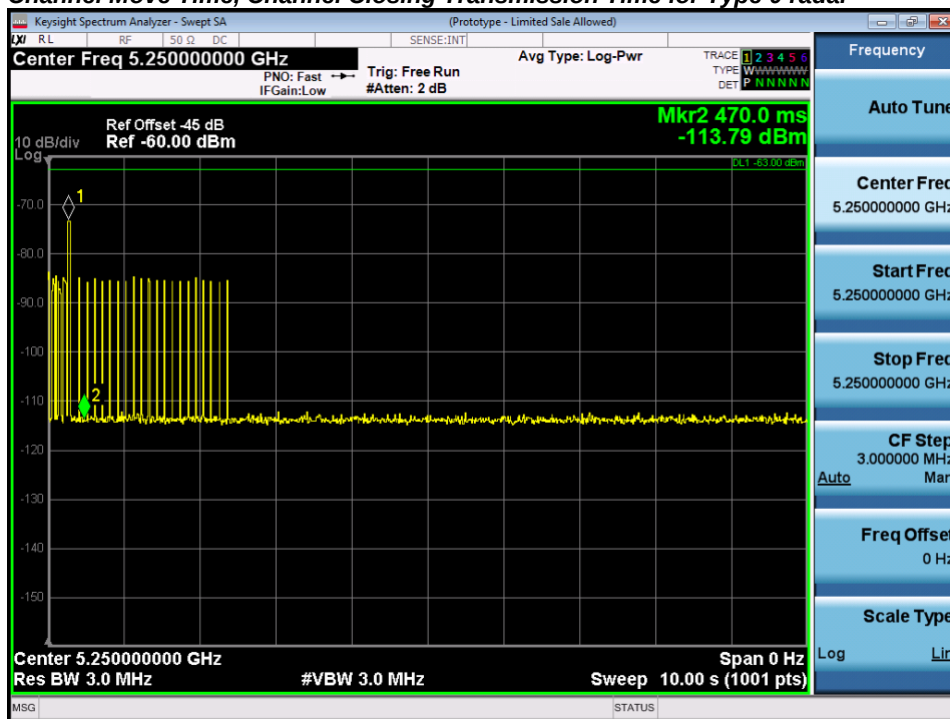
At time T_0 the Radar Waveform generator sends a Burst of pulses for radar type 0 at -63dBm.

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.

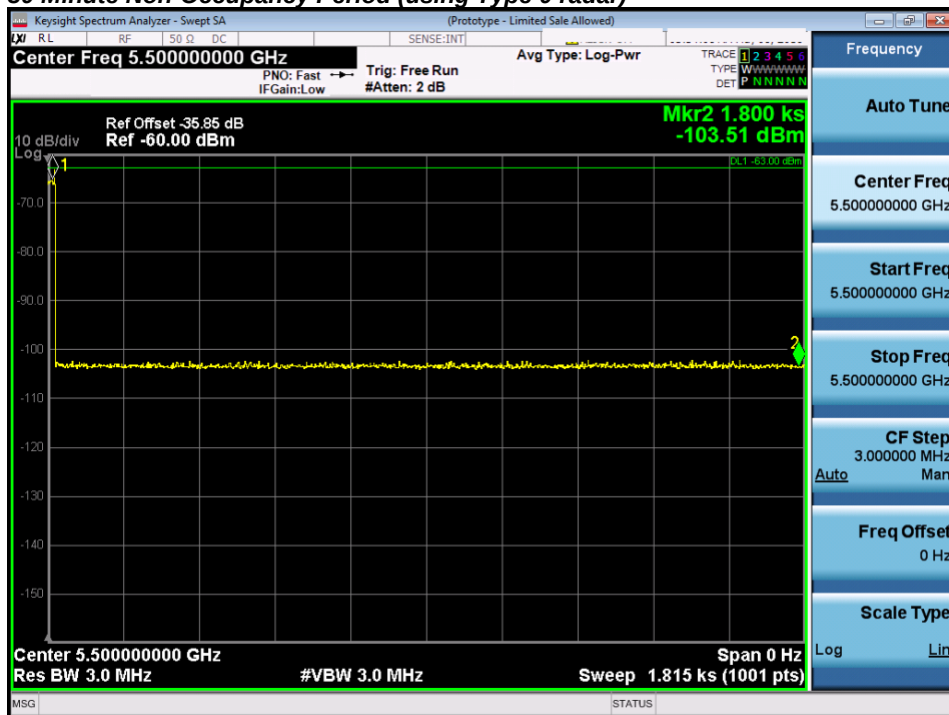


Channel Move Time, Channel Closing Transmission Time for Type 0 radar



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)



BW20



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 IPERF traffic continuously at a loading of 17% from the Master to the Client IP based system 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	67	1	798	1	100.0%	60.0%
2	5494	57	1	938	1		
3	5494	68	1	778	1		
4	5494	68	1	778	1		
5	5494	63	1	838	1		
6	5494	67	1	798	1		
7	5494	61	1	878	1		
8	5494	92	1	578	1		
9	5495	70	1	758	1		
10	5495	89	1	598	1		
11	5495	18	1	3066	1		
12	5495	89	1	598	1		
13	5495	89	1	598	1		
14	5495	63	1	838	1		
15	5495	67	1	798	1		
16	5500	21	1	2521	1		
17	5500	56	1	951	1		
18	5500	61	1	875	1		
19	5500	19	1	2856	1		
20	5500	19	1	2859	1		
21	5500	21	1	2575	1		
22	5500	44	1	1226	1		
23	5500	38	1	1405	1		
24	5505	34	1	1562	1		
25	5505	25	1	2156	1		
26	5505	36	1	1494	1		
27	5505	82	1	651	1		
28	5505	29	1	1845	1		
29	5505	82	1	646	1		
30	5505	28	1	1918	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	70	1	758	1	100.0%	60.0%
2	5494	58	1	918	1		
3	5494	86	1	618	1		
4	5494	68	1	778	1		
5	5494	58	1	918	1		
6	5494	78	1	678	1		
7	5494	62	1	858	1		
8	5494	67	1	798	1		
9	5495	58	1	918	1		
10	5495	86	1	618	1		
11	5495	70	1	758	1		
12	5495	62	1	858	1		
13	5495	70	1	758	1		
14	5495	68	1	778	1		
15	5495	61	1	878	1		
16	5500	46	1	1158	1		
17	5500	22	1	2471	1		
18	5500	24	1	2233	1		
19	5500	19	1	2805	1		
20	5500	24	1	2272	1		
21	5500	80	1	665	1		
22	5500	87	1	613	1		
23	5500	43	1	1241	1		
24	5505	37	1	1435	1		
25	5505	19	1	2911	1		
26	5505	18	1	3036	1		
27	5505	40	1	1335	1		
28	5505	38	1	1424	1		
29	5505	51	1	1035	1		
30	5505	36	1	1489	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	23	4.9	168	1	96.7%	60.0%
2	5494	25	2.9	188	1		
3	5494	25	3.5	226	1		
4	5494	29	3.7	208	1		
5	5494	26	3.2	230	1		
6	5494	27	2	177	1		
7	5494	26	3.9	207	1		
8	5494	23	1.1	184	1		
9	5495	24	1.1	200	1		
10	5495	28	4.4	199	1		
11	5495	24	2	177	1		
12	5495	23	2.7	165	1		
13	5495	23	1.7	212	0		
14	5495	29	4.8	229	1		
15	5495	28	3.5	178	1		
16	5500	27	4.7	201	1		
17	5500	24	1.9	210	1		
18	5500	23	5	177	1		
19	5500	27	4.4	179	1		
20	5500	23	2.8	181	1		
21	5500	26	1.9	206	1		
22	5500	25	2.3	183	1		
23	5500	26	1.4	185	1		
24	5505	24	1.6	215	1		
25	5505	29	4	224	1		
26	5505	25	2	204	1		
27	5505	24	4.7	212	1		
28	5505	24	4.9	190	1		
29	5505	29	4	199	1		
30	5505	27	3.6	155	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	16	9.2	363	1	100.0%	60.0%
2	5494	18	9.1	478	1		
3	5494	17	7.6	467	1		
4	5494	16	6.2	219	1		
5	5494	17	6.1	214	1		
6	5494	18	6.1	351	1		
7	5494	17	9.5	375	1		
8	5494	18	9.2	333	1		
9	5495	18	6.7	496	1		
10	5495	17	7.2	296	1		
11	5495	16	6.2	388	1		
12	5495	17	6.3	335	1		
13	5495	18	9.4	237	1		
14	5495	16	6.6	224	1		
15	5495	17	8.4	454	1		
16	5500	18	7.1	228	1		
17	5500	17	9.8	450	1		
18	5500	17	9.3	321	1		
19	5500	17	8.1	269	1		
20	5500	18	8.7	407	1		
21	5500	16	8.5	353	1		
22	5500	18	6.3	243	1		
23	5500	16	6	454	1		
24	5505	16	9.6	306	1		
25	5505	18	9	338	1		
26	5505	18	7.6	337	1		
27	5505	18	7.8	292	1		
28	5505	18	8	418	1		
29	5505	16	6.7	241	1		
30	5505	18	6.6	437	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	12	12.6	412	1	93.3%	60.0%
2	5494	15	12.4	448	1		
3	5494	13	15.8	473	0		
4	5494	15	17.4	316	1		
5	5494	15	15.7	311	1		
6	5494	14	19.7	256	1		
7	5494	16	14.8	296	1		
8	5494	12	12.3	342	1		
9	5495	12	18.1	434	1		
10	5495	14	17	272	1		
11	5495	14	18.4	476	1		
12	5495	13	17.1	263	1		
13	5495	12	15.2	206	1		
14	5495	12	18.8	432	1		
15	5495	16	14.2	480	1		
16	5500	15	14.9	472	1		
17	5500	14	12.1	256	1		
18	5500	15	18.5	221	1		
19	5500	13	19.7	319	1		
20	5500	15	16.4	308	1		
21	5500	16	16.4	326	1		
22	5500	16	12.1	430	1		
23	5500	14	14.2	330	1		
24	5505	12	16.3	444	1		
25	5505	16	15.3	226	1		
26	5505	12	13.1	499	1		
27	5505	14	11.6	248	1		
28	5505	12	12.2	283	1		
29	5505	15	12.6	314	0		
30	5505	12	12.3	358	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:

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

*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	15	55	1435	0.718804
2	3	5497	15	75	1080	1.002295
3	3	5497	15	85	1473	2.007905
4	3	5497	15	60	1754	3.542472
5	1	5497	15	60		4.5526
6	3	5497	15	95	1465	5.327371
7	2	5497	15	75	1230	6.387583
8	1	5497	15	95		7.590268
9	2	5497	15	80	1791	8.577183
10	3	5497	15	75	1199	9.803328
11	2	5497	15	90	1488	10.580703
12	3	5497	15	60	1643	11.605557

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	5496.2	13	50		0.616736
2	2	5496.2	13	55	1107	1.227103
3	1	5496.2	13	100		1.704825
4	2	5496.2	13	60	1396	2.316507
5	3	5496.2	13	50	1746	3.461282
6	3	5496.2	13	75	1376	3.933766
7	3	5496.2	13	75	1576	4.760911
8	1	5496.2	13	65		5.359146
9	2	5496.2	13	80	1936	5.852204
10	2	5496.2	13	60	1201	6.787304
11	2	5496.2	13	50	1217	7.475162
12	2	5496.2	13	90	1996	8.293221
13	1	5496.2	13	100		8.948054
14	1	5496.2	13	80		9.838285
15	2	5496.2	13	95	1584	10.431541
16	1	5496.2	13	55		10.942208
17	2	5496.2	13	90	1899	11.945262

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	5497.4	16	65	1735	0.693624
2	2	5497.4	16	100	1449	2.052078
3	2	5497.4	16	80	1028	2.754854
4	1	5497.4	16	95		3.793338
5	2	5497.4	16	75	1450	5.655339
6	1	5497.4	16	95		7.0473
7	3	5497.4	16	75	1608	7.936574
8	2	5497.4	16	95	1523	8.560828
9	2	5497.4	16	95	1446	9.605815
10	2	5497.4	16	60	1146	11.932833

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	5499	20	55		0.239728
2	2	5499	20	90	1123	0.9099
3	1	5499	20	60		1.431278
4	1	5499	20	95		1.819151
5	2	5499	20	90	1521	2.46428
6	2	5499	20	65	1250	3.264359
7	1	5499	20	70		4.029502
8	2	5499	20	60	1711	4.676815
9	3	5499	20	70	1909	5.163581
10	2	5499	20	95	1575	5.758383
11	1	5499	20	90		6.124255



12	1	5499	20	70			7.063389
13	1	5499	20	100			7.274475
14	2	5499	20	80	1890		7.814446
15	2	5499	20	50	1563		8.850809
16	1	5499	20	60			9.05012
17	3	5499	20	55	1688	1028	10.045707
18	1	5499	20	75			10.475916
19	1	5499	20	75			11.019208
20	1	5499	20	85			11.668968

USA Bin 5 Trial #5

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5497.8	17	95		0.597104
2	3	5497.8	17	85	1518	0.654381
3	3	5497.8	17	65	1191	1.640873
4	1	5497.8	17	85		2.324622
5	2	5497.8	17	65	1379	3.021976
6	3	5497.8	17	75	1758	3.311256
7	2	5497.8	17	50	1380	4.334175
8	1	5497.8	17	50		4.627042
9	2	5497.8	17	80	1374	5.259782
10	1	5497.8	17	65		5.791202
11	3	5497.8	17	90	1551	6.558416
12	1	5497.8	17	85		7.218833
13	1	5497.8	17	85		8.138542
14	2	5497.8	17	100	1683	8.465691
15	2	5497.8	17	60	1495	8.940221
16	3	5497.8	17	80	1448	9.944129
17	1	5497.8	17	75		10.216982
18	3	5497.8	17	60	1196	11.236405
19	2	5497.8	17	65	1022	11.426583

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	5493.8	7	60		0.468675
2	1	5493.8	7	70		1.293161
3	1	5493.8	7	90		1.491742
4	2	5493.8	7	100	1190	2.354114
5	1	5493.8	7	75		3.145157
6	3	5493.8	7	95	1265	3.465582
7	2	5493.8	7	90	1630	4.57003
8	2	5493.8	7	55	1115	4.774492
9	2	5493.8	7	95	1842	5.786984
10	2	5493.8	7	50	1189	6.169043
11	3	5493.8	7	60	1558	7.010998
12	2	5493.8	7	90	1528	7.349563
13	2	5493.8	7	75	1925	8.116423
14	1	5493.8	7	85		9.181603
15	1	5493.8	7	75		9.503082
16	1	5493.8	7	95		10.056349
17	2	5493.8	7	100	1244	11.230407
18	2	5493.8	7	50	1079	11.421832

USA Bin 5 Trial #7

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5496.2	13	100	1689	0.014679
2	3	5496.2	13	55	1983	1.166869
3	1	5496.2	13	95		1.26852
4	1	5496.2	13	60		2.385532
5	2	5496.2	13	80	1940	2.980555
6	3	5496.2	13	95	1267	3.248897
7	2	5496.2	13	75	1871	3.671018



8	2	5496.2	13	75	1748		4.465084
9	2	5496.2	13	60	1236		5.002442
10	3	5496.2	13	90	1326	1970	5.980446
11	2	5496.2	13	80	1092		6.073071
12	3	5496.2	13	65	1850	1375	6.928888
13	3	5496.2	13	85	1293	1414	7.694963
14	2	5496.2	13	55	2000		7.877502
15	1	5496.2	13	70			8.697262
16	1	5496.2	13	60			9.340228
17	3	5496.2	13	85	1420	1526	10.056561
18	3	5496.2	13	70	1256	1720	10.549159
19	1	5496.2	13	60			11.293133
20	2	5496.2	13	95	1338		11.5714

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	5498.2	18	55	1628	1691	0.15988
2	1	5498.2	18	80			0.840968
3	1	5498.2	18	85			1.884267
4	1	5498.2	18	65			2.655103
5	2	5498.2	18	70	1364		2.891128
6	2	5498.2	18	80	1257		3.823854
7	2	5498.2	18	90	1700		4.657806
8	2	5498.2	18	70	1992		5.101844
9	2	5498.2	18	65	1249		5.896426
10	2	5498.2	18	60	1078		6.820195
11	2	5498.2	18	75	1284		7.160302
12	1	5498.2	18	55			8.006875
13	1	5498.2	18	85			8.977283
14	1	5498.2	18	90			9.556985
15	3	5498.2	18	80	1814	1480	9.917282
16	3	5498.2	18	50	1284	1145	11.085792
17	3	5498.2	18	85	1350	1561	11.746408

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	5497.8	17	80		0.592612
2	2	5497.8	17	100	1091	1.089293
3	2	5497.8	17	100	1689	1.666371
4	3	5497.8	17	85	1865	2.747289
5	2	5497.8	17	80	1797	3.092788
6	1	5497.8	17	85		3.82267
7	1	5497.8	17	50		4.954208
8	3	5497.8	17	55	1284	5.715321
9	2	5497.8	17	90	1069	6.284781
10	1	5497.8	17	85		7.359583
11	1	5497.8	17	75		7.859036
12	3	5497.8	17	95	1112	8.516805
13	2	5497.8	17	95	1764	9.723605
14	3	5497.8	17	85	1256	9.790803
15	1	5497.8	17	100		10.865852
16	3	5497.8	17	85	1156	11.539121

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	5499	20	95	1348	1014	0.457916
2	1	5499	20	75			1.763485
3	3	5499	20	70	1242	1354	2.403496
4	3	5499	20	60	1261	1454	3.758801
5	3	5499	20	80	1170	1091	4.941589
6	2	5499	20	55	1072		6.224312
7	1	5499	20	65			7.265574

8	3	5499	20	55	1403	1223	8.203134
9	2	5499	20	55	1077		9.319315
10	2	5499	20	75	1169		10.574208
11	2	5499	20	85	1293		11.637694

USA Bin 5 Trial #11

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5500	8	70	1499	1922
2	2	5500	8	95	1775	
3	3	5500	8	70	1815	1206
4	3	5500	8	50	1143	1373
5	1	5500	8	60		
6	1	5500	8	65		
7	3	5500	8	90	1588	1254
8	2	5500	8	50	1063	

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5500	18	70	1904	1275
2	1	5500	18	75		
3	3	5500	18	60	1523	1114
4	2	5500	18	50	1450	
5	2	5500	18	95	1535	
6	3	5500	18	55	1205	1268
7	2	5500	18	75	1107	
8	2	5500	18	60	1743	
9	3	5500	18	100	1100	1171
10	3	5500	18	65	1156	1570
11	1	5500	18	85		
12	3	5500	18	55	1550	1826
13	2	5500	18	75	1975	
14	1	5500	18	60		
15	2	5500	18	90	1415	
16	2	5500	18	95	1921	
17	2	5500	18	80	1999	
18	3	5500	18	50	1015	1100
19	3	5500	18	75	1541	1432
20	1	5500	18	70		

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	5500	8	70		
2	3	5500	8	70	1610	1498
3	2	5500	8	55	1037	
4	2	5500	8	95	1728	
5	2	5500	8	70	1521	
6	1	5500	8	50		
7	1	5500	8	85		
8	1	5500	8	55		
9	1	5500	8	95		
10	2	5500	8	80	1581	
11	1	5500	8	65		
12	1	5500	8	55		
13	3	5500	8	80	1219	1639
14	2	5500	8	95	1068	
15	2	5500	8	70	1771	
16	1	5500	8	50		
17	1	5500	8	50		
18	2	5500	8	65	1578	
19	3	5500	8	95	1815	1692

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	9	95	1665	0.5652
2	2	5500	9	50	1869	0.673627
3	1	5500	9	80		1.351778
4	3	5500	9	75	1623	1.876063
5	2	5500	9	100	1228	2.727113
6	2	5500	9	85	1782	3.04432
7	3	5500	9	85	1546	3.68104
8	2	5500	9	50	1347	4.39836
9	2	5500	9	95	1281	5.343096
10	1	5500	9	55		5.581468
11	2	5500	9	80	1107	6.113534
12	1	5500	9	70		7.192794
13	2	5500	9	75	1530	7.336388
14	2	5500	9	85	1675	8.122543
15	2	5500	9	95	1681	8.605923
16	1	5500	9	65		9.149848
17	3	5500	9	80	1869	9.978089
18	2	5500	9	90	1010	10.672043
19	1	5500	9	90		11.229081
20	1	5500	9	70		11.447896

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	18	80	1263	0.379259
2	3	5500	18	85	1420	1.613396
3	3	5500	18	90	1353	3.598596
4	1	5500	18	70		4.559296
5	1	5500	18	75		6.629736
6	1	5500	18	90		6.786
7	1	5500	18	100		8.737974
8	2	5500	18	85	1450	10.278613
9	3	5500	18	95	1576	10.782517

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	17	100		1.065853
2	1	5500	17	60		2.440358
3	1	5500	17	75		2.858306
4	2	5500	17	100	1759	4.420146
5	2	5500	17	55	1906	6.62101
6	3	5500	17	50	1929	7.428083
7	1	5500	17	60		8.835536
8	1	5500	17	55		9.671197
9	3	5500	17	60	1943	11.353226

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	5500	12	65	1532	0.349317
2	3	5500	12	75	1746	0.992054
3	2	5500	12	50	1451	1.776397
4	1	5500	12	100		2.085129
5	3	5500	12	80	1468	3.082224
6	3	5500	12	85	1229	3.603641
7	3	5500	12	95	1538	4.520199
8	2	5500	12	70	1255	5.030121
9	3	5500	12	60	1014	5.61664
10	1	5500	12	95		6.331897
11	1	5500	12	100		6.761939
12	2	5500	12	80	1732	7.930726
13	3	5500	12	90	1477	8.20095



14	2	5500	12	70	1046		9.014201
15	2	5500	12	65	1788		9.949355
16	3	5500	12	55	1060	1963	10.241505
17	3	5500	12	90	1716	1615	10.971331
18	1	5500	12	90			11.423546

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	8	60	1340	0.260387
2	3	5500	8	60	1332	0.808376
3	2	5500	8	85	1638	1.416693
4	3	5500	8	85	1572	2.182543
5	2	5500	8	70	1513	2.75205
6	1	5500	8	65		3.235458
7	3	5500	8	50	1226	3.812592
8	3	5500	8	95	1195	4.509829
9	2	5500	8	60	1280	4.887075
10	3	5500	8	50	1284	5.785852
11	3	5500	8	100	1357	6.53293
12	1	5500	8	75		6.934244
13	2	5500	8	55	1113	7.532143
14	3	5500	8	95	1150	8.204062
15	1	5500	8	100		8.713727
16	1	5500	8	60		9.355321
17	1	5500	8	50		9.997594
18	1	5500	8	90		10.329067
19	2	5500	8	85	1507	11.050501
20	1	5500	8	85		11.456292

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	14	65	1471	0.122841
2	2	5500	14	80	1024	1.233827
3	1	5500	14	90		2.424747
4	3	5500	14	90	1919	2.718232
5	3	5500	14	90	1057	4.270472
6	3	5500	14	70	1605	4.71445
7	2	5500	14	65	1945	5.877518
8	1	5500	14	60		6.287013
9	1	5500	14	55		7.653579
10	2	5500	14	60	1873	8.472452
11	1	5500	14	90		9.096972
12	1	5500	14	95		10.020914
13	1	5500	14	55		11.136661
14	3	5500	14	70	1209	11.223161

USA Bin 5 Trial #20

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5500	15	50		0.443521
2	2	5500	15	55	1974	1.621101
3	1	5500	15	75		2.987214
4	2	5500	15	100	1927	3.146797
5	2	5500	15	80	1117	4.884363
6	1	5500	15	100		5.167393
7	1	5500	15	65		6.152746
8	2	5500	15	75	1687	7.642278
9	2	5500	15	55	1201	8.565791
10	3	5500	15	100	1457	9.625003
11	1	5500	15	90		10.920032
12	3	5500	15	55	1014	11.286808

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	5501.4	19	85	1749	1564
2	2	5501.4	19	85	1512	
3	2	5501.4	19	55	1831	
4	3	5501.4	19	50	1667	1010
5	2	5501.4	19	90	1668	
6	3	5501.4	19	50	1462	1571
7	3	5501.4	19	65	1716	1365
8	1	5501.4	19	70		
9	2	5501.4	19	65	1726	
10	3	5501.4	19	50	1062	1241
11	2	5501.4	19	65	1059	
12	3	5501.4	19	95	1287	1476
13	1	5501.4	19	70		

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	5504.2	12	70	1541	
2	2	5504.2	12	50	1391	
3	1	5504.2	12	70		
4	3	5504.2	12	65	1062	1433
5	3	5504.2	12	50	1724	1826
6	2	5504.2	12	55	1525	
7	2	5504.2	12	95	1878	
8	3	5504.2	12	100	1028	1650

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	5505.4	9	90		
2	2	5505.4	9	65	1906	
3	1	5505.4	9	85		
4	1	5505.4	9	85		
5	2	5505.4	9	75	1968	
6	2	5505.4	9	90	1875	
7	2	5505.4	9	85	1160	
8	1	5505.4	9	60		
9	3	5505.4	9	85	1953	1011
10	2	5505.4	9	75	1529	
11	1	5505.4	9	85		
12	2	5505.4	9	70	1469	

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	5504.2	12	75	1700	1028
2	2	5504.2	12	100	1884	
3	3	5504.2	12	70	1516	1415
4	3	5504.2	12	50	1878	1232
5	1	5504.2	12	85		
6	3	5504.2	12	65	1369	1389
7	3	5504.2	12	75	1533	1613
8	3	5504.2	12	50	1577	1051
9	3	5504.2	12	95	1874	1401
10	2	5504.2	12	90	1916	
11	2	5504.2	12	70	1012	

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	5501	20	50	1319	1429
2	3	5501	20	50	1516	1287
3	3	5501	20	55	1394	1746
4	3	5501	20	65	1159	1875



5	3	5501	20	90	1735	1544	3.443221
6	2	5501	20	70	1272		4.214839
7	2	5501	20	55	1286		5.157892
8	3	5501	20	90	1068	1187	5.368553
9	3	5501	20	65	1014	1371	6.587183
10	2	5501	20	80	1179		7.192354
11	2	5501	20	95	1205		8.180651
12	3	5501	20	60	1355	1858	8.977966
13	1	5501	20	100			9.71875
14	1	5501	20	50			10.071033
15	2	5501	20	70	1683		10.565638
16	3	5501	20	95	1120	1741	11.875142

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	5504.6	11	65	1667	0.065369
2	3	5504.6	11	60	1362	1.714947
3	2	5504.6	11	85	1857	3.452109
4	1	5504.6	11	90		5.955271
5	3	5504.6	11	50	1469	6.922457
6	3	5504.6	11	70	1886	7.790545
7	1	5504.6	11	70		9.143359
8	3	5504.6	11	65	1106	11.831475

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	3	5501.4	19	70	1967	0.374459
2	1	5501.4	19	75		0.873494
3	2	5501.4	19	90	2000	1.888563
4	3	5501.4	19	80	1987	2.564506
5	2	5501.4	19	80	1873	3.329461
6	2	5501.4	19	100	1090	4.302164
7	2	5501.4	19	60	1099	5.058759
8	3	5501.4	19	85	1543	5.635958
9	1	5501.4	19	85		6.696951
10	3	5501.4	19	75	1755	7.916803
11	3	5501.4	19	50	1214	8.78666
12	1	5501.4	19	75		9.538608
13	1	5501.4	19	60		9.60112
14	3	5501.4	19	75	1091	10.527603
15	2	5501.4	19	55	1885	11.6485

USA Bin 5 Trial #28

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5502.2	17	90	1078	0.241868
2	2	5502.2	17	95	1673	1.001585
3	3	5502.2	17	90	1676	2.695561
4	1	5502.2	17	90		3.540933
5	3	5502.2	17	60	1178	4.497529
6	3	5502.2	17	85	1023	5.228809
7	1	5502.2	17	55		6.65681
8	2	5502.2	17	95	1523	7.324129
9	2	5502.2	17	65	1811	8.638866
10	3	5502.2	17	65	1295	9.519751
11	3	5502.2	17	55	1733	10.086518
12	2	5502.2	17	100	1710	11.258919

USA Bin 5 Trial #29

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5501	20	80	1420	0.940696
2	1	5501	20	80		1.822637
3	3	5501	20	65	1531	2.958003



4	2	5501	20	85	1508		3.84801
5	3	5501	20	70	1247	1559	5.368439
6	1	5501	20	65			5.723452
7	1	5501	20	80			6.633004
8	1	5501	20	65			7.845707
9	1	5501	20	65			9.086397
10	3	5501	20	50	1144	1122	10.246813
11	1	5501	20	55			11.177983

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	5505	10	100		0.220056
2	3	5505	10	95	1943	1.098455
3	3	5505	10	95	1194	2.751257
4	1	5505	10	90		3.366152
5	1	5505	10	100		4.210769
6	2	5505	10	80	1296	5.191003
7	1	5505	10	75		5.791333
8	2	5505	10	95	1052	6.733787
9	2	5505	10	90	1411	8.216841
10	1	5505	10	95		8.32388
11	1	5505	10	75		9.441204
12	2	5505	10	60	1495	10.763731
13	2	5505	10	95	1175	11.592691

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	15	55	1435	0.718804
2	3	5497	15	75	1080	1.002295
3	3	5497	15	85	1473	2.007905
4	3	5497	15	60	1754	3.542472
5	1	5497	15	60		4.5526
6	3	5497	15	95	1465	5.327371
7	2	5497	15	75	1230	6.387583
8	1	5497	15	95		7.590268
9	2	5497	15	80	1791	8.577183
10	3	5497	15	75	1199	9.803328
11	2	5497	15	90	1488	10.580703
12	3	5497	15	60	1643	11.605557

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	5496.2	13	50		0.616736
2	2	5496.2	13	55	1107	1.227103
3	1	5496.2	13	100		1.704825
4	2	5496.2	13	60	1396	2.316507
5	3	5496.2	13	50	1746	3.461282
6	3	5496.2	13	75	1376	3.933766
7	3	5496.2	13	75	1576	4.760911
8	1	5496.2	13	65		5.359146
9	2	5496.2	13	80	1936	5.852204
10	2	5496.2	13	60	1201	6.787304
11	2	5496.2	13	50	1217	7.475162
12	2	5496.2	13	90	1996	8.293221
13	1	5496.2	13	100		8.948054
14	1	5496.2	13	80		9.838285
15	2	5496.2	13	95	1584	10.431541
16	1	5496.2	13	55		10.942208
17	2	5496.2	13	90	1899	11.945262

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	5497.4	16	65	1735	1094	0.693624
2	2	5497.4	16	100	1449		2.052078
3	2	5497.4	16	80	1028		2.754854
4	1	5497.4	16	95			3.793338
5	2	5497.4	16	75	1450		5.655339
6	1	5497.4	16	95			7.0473
7	3	5497.4	16	75	1608	1756	7.936574
8	2	5497.4	16	95	1523		8.560828
9	2	5497.4	16	95	1446		9.605815
10	2	5497.4	16	60	1146		11.932833

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	5499	20	55		0.239728
2	2	5499	20	90	1123	0.9099
3	1	5499	20	60		1.431278
4	1	5499	20	95		1.819151
5	2	5499	20	90	1521	2.46428
6	2	5499	20	65	1250	3.264359
7	1	5499	20	70		4.029502
8	2	5499	20	60	1711	4.676815
9	3	5499	20	70	1909	5.163581
10	2	5499	20	95	1575	5.758383
11	1	5499	20	90		6.124255
12	1	5499	20	70		7.063389
13	1	5499	20	100		7.274475
14	2	5499	20	80	1890	7.814446
15	2	5499	20	50	1563	8.850809
16	1	5499	20	60		9.05012
17	3	5499	20	55	1688	10.045707
18	1	5499	20	75		10.475916
19	1	5499	20	75		11.019208
20	1	5499	20	85		11.668968

USA Bin 5 Trial #5

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5497.8	17	95		0.597104
2	3	5497.8	17	85	1518	0.654381
3	3	5497.8	17	65	1191	1.640873
4	1	5497.8	17	85		2.324622
5	2	5497.8	17	65	1379	3.021976
6	3	5497.8	17	75	1758	3.311256
7	2	5497.8	17	50	1380	4.334175
8	1	5497.8	17	50		4.627042
9	2	5497.8	17	80	1374	5.259782
10	1	5497.8	17	65		5.791202
11	3	5497.8	17	90	1551	6.558416
12	1	5497.8	17	85		7.218833
13	1	5497.8	17	85		8.138542
14	2	5497.8	17	100	1683	8.465691
15	2	5497.8	17	60	1495	8.940221
16	3	5497.8	17	80	1448	9.944129
17	1	5497.8	17	75		10.216982
18	3	5497.8	17	60	1196	11.236405
19	2	5497.8	17	65	1022	11.426583

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	5493.8	7	60		0.468675
2	1	5493.8	7	70		1.293161
3	1	5493.8	7	90		1.491742
4	2	5493.8	7	100	1190	2.354114



5	1	5493.8	7	75			3.145157
6	3	5493.8	7	95	1265	1355	3.465582
7	2	5493.8	7	90	1630		4.57003
8	2	5493.8	7	55	1115		4.774492
9	2	5493.8	7	95	1842		5.786984
10	2	5493.8	7	50	1189		6.169043
11	3	5493.8	7	60	1558	1322	7.010998
12	2	5493.8	7	90	1528		7.349563
13	2	5493.8	7	75	1925		8.116423
14	1	5493.8	7	85			9.181603
15	1	5493.8	7	75			9.503082
16	1	5493.8	7	95			10.056349
17	2	5493.8	7	100	1244		11.230407
18	2	5493.8	7	50	1079		11.421832

USA Bin 5 Trial #7

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5496.2	13	100	1689	0.014679
2	3	5496.2	13	55	1983	1.166869
3	1	5496.2	13	95		1.26852
4	1	5496.2	13	60		2.385532
5	2	5496.2	13	80	1940	2.980555
6	3	5496.2	13	95	1267	3.248897
7	2	5496.2	13	75	1871	3.671018
8	2	5496.2	13	75	1748	4.465084
9	2	5496.2	13	60	1236	5.002442
10	3	5496.2	13	90	1326	5.980446
11	2	5496.2	13	80	1092	6.073071
12	3	5496.2	13	65	1850	6.928888
13	3	5496.2	13	85	1293	7.694963
14	2	5496.2	13	55	2000	7.877502
15	1	5496.2	13	70		8.697262
16	1	5496.2	13	60		9.340228
17	3	5496.2	13	85	1420	10.056561
18	3	5496.2	13	70	1256	10.549159
19	1	5496.2	13	60		11.293133
20	2	5496.2	13	95	1338	11.5714

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	5498.2	18	55	1628	0.15988
2	1	5498.2	18	80		0.840968
3	1	5498.2	18	85		1.884267
4	1	5498.2	18	65		2.655103
5	2	5498.2	18	70	1364	2.891128
6	2	5498.2	18	80	1257	3.823854
7	2	5498.2	18	90	1700	4.657806
8	2	5498.2	18	70	1992	5.101844
9	2	5498.2	18	65	1249	5.896426
10	2	5498.2	18	60	1078	6.820195
11	2	5498.2	18	75	1284	7.160302
12	1	5498.2	18	55		8.006875
13	1	5498.2	18	85		8.977283
14	1	5498.2	18	90		9.556985
15	3	5498.2	18	80	1814	9.917282
16	3	5498.2	18	50	1284	11.085792
17	3	5498.2	18	85	1350	11.746408

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	5497.8	17	80		0.592612
2	2	5497.8	17	100	1091	1.089293



3	2	5497.8	17	100	1689		1.666371
4	3	5497.8	17	85	1865	1310	2.747289
5	2	5497.8	17	80	1797		3.092788
6	1	5497.8	17	85			3.82267
7	1	5497.8	17	50			4.954208
8	3	5497.8	17	55	1284	1106	5.715321
9	2	5497.8	17	90	1069		6.284781
10	1	5497.8	17	85			7.359583
11	1	5497.8	17	75			7.859036
12	3	5497.8	17	95	1112	1531	8.516805
13	2	5497.8	17	95	1764		9.723605
14	3	5497.8	17	85	1256	1595	9.790803
15	1	5497.8	17	100			10.865852
16	3	5497.8	17	85	1156	1024	11.539121

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	5499	20	95	1348	1014
2	1	5499	20	75		
3	3	5499	20	70	1242	1354
4	3	5499	20	60	1261	1454
5	3	5499	20	80	1170	1091
6	2	5499	20	55	1072	
7	1	5499	20	65		
8	3	5499	20	55	1403	1223
9	2	5499	20	55	1077	
10	2	5499	20	75	1169	
11	2	5499	20	85	1293	

USA Bin 5 Trial #11

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5500	8	70	1499	1922
2	2	5500	8	95	1775	
3	3	5500	8	70	1815	1206
4	3	5500	8	50	1143	1373
5	1	5500	8	60		
6	1	5500	8	65		
7	3	5500	8	90	1588	1254
8	2	5500	8	50	1063	

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5500	18	70	1904	1275
2	1	5500	18	75		
3	3	5500	18	60	1523	1114
4	2	5500	18	50	1450	
5	2	5500	18	95	1535	
6	3	5500	18	55	1205	1268
7	2	5500	18	75	1107	
8	2	5500	18	60	1743	
9	3	5500	18	100	1100	1171
10	3	5500	18	65	1156	1570
11	1	5500	18	85		
12	3	5500	18	55	1550	1826
13	2	5500	18	75	1975	
14	1	5500	18	60		
15	2	5500	18	90	1415	
16	2	5500	18	95	1921	
17	2	5500	18	80	1999	
18	3	5500	18	50	1015	1100
19	3	5500	18	75	1541	1432
20	1	5500	18	70		



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	5500	8	70		0.535445
2	3	5500	8	70	1610	1.162214
3	2	5500	8	55	1037	1.807275
4	2	5500	8	95	1728	2.187698
5	2	5500	8	70	1521	2.644348
6	1	5500	8	50		3.37437
7	1	5500	8	85		3.830832
8	1	5500	8	55		4.754602
9	1	5500	8	95		5.559537
10	2	5500	8	80	1581	5.866363
11	1	5500	8	65		6.567782
12	1	5500	8	55		7.168618
13	3	5500	8	80	1219	7.918386
14	2	5500	8	95	1068	8.451693
15	2	5500	8	70	1771	9.183527
16	1	5500	8	50		9.946637
17	1	5500	8	50		10.234724
18	2	5500	8	65	1578	10.764087
19	3	5500	8	95	1815	11.913144

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	9	95	1665	0.5652
2	2	5500	9	50	1869	0.673627
3	1	5500	9	80		1.351778
4	3	5500	9	75	1623	1.876063
5	2	5500	9	100	1228	2.727113
6	2	5500	9	85	1782	3.04432
7	3	5500	9	85	1546	3.68104
8	2	5500	9	50	1347	4.39836
9	2	5500	9	95	1281	5.343096
10	1	5500	9	55		5.581468
11	2	5500	9	80	1107	6.113534
12	1	5500	9	70		7.192794
13	2	5500	9	75	1530	7.336388
14	2	5500	9	85	1675	8.122543
15	2	5500	9	95	1681	8.605923
16	1	5500	9	65		9.149848
17	3	5500	9	80	1869	9.978089
18	2	5500	9	90	1010	10.672043
19	1	5500	9	90		11.229081
20	1	5500	9	70		11.447896

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	18	80	1263	0.379259
2	3	5500	18	85	1420	1.613396
3	3	5500	18	90	1353	3.598596
4	1	5500	18	70		4.559296
5	1	5500	18	75		6.629736
6	1	5500	18	90		6.786
7	1	5500	18	100		8.737974
8	2	5500	18	85	1450	10.278613
9	3	5500	18	95	1576	10.782517

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	17	100		1.065853
2	1	5500	17	60		2.440358



3	1	5500	17	75			2.858306
4	2	5500	17	100	1759		4.420146
5	2	5500	17	55	1906		6.62101
6	3	5500	17	50	1929	1033	7.428083
7	1	5500	17	60			8.835536
8	1	5500	17	55			9.671197
9	3	5500	17	60	1943	1749	11.353226
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	5500	12	65	1532	1611	0.349317
2	3	5500	12	75	1746	2000	0.992054
3	2	5500	12	50	1451		1.776397
4	1	5500	12	100			2.085129
5	3	5500	12	80	1468	1387	3.082224
6	3	5500	12	85	1229	1056	3.603641
7	3	5500	12	95	1538	1251	4.520199
8	2	5500	12	70	1255		5.030121
9	3	5500	12	60	1014	1373	5.61664
10	1	5500	12	95			6.331897
11	1	5500	12	100			6.761939
12	2	5500	12	80	1732		7.930726
13	3	5500	12	90	1477	1963	8.20095
14	2	5500	12	70	1046		9.014201
15	2	5500	12	65	1788		9.949355
16	3	5500	12	55	1060	1963	10.241505
17	3	5500	12	90	1716	1615	10.971331
18	1	5500	12	90			11.423546
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	8	60	1340		0.260387
2	3	5500	8	60	1332	1497	0.808376
3	2	5500	8	85	1638		1.416693
4	3	5500	8	85	1572	1353	2.182543
5	2	5500	8	70	1513		2.75205
6	1	5500	8	65			3.235458
7	3	5500	8	50	1226	1432	3.812592
8	3	5500	8	95	1195	1174	4.509829
9	2	5500	8	60	1280		4.887075
10	3	5500	8	50	1284	1446	5.785852
11	3	5500	8	100	1357	1960	6.53293
12	1	5500	8	75			6.934244
13	2	5500	8	55	1113		7.532143
14	3	5500	8	95	1150	1589	8.204062
15	1	5500	8	100			8.713727
16	1	5500	8	60			9.355321
17	1	5500	8	50			9.997594
18	1	5500	8	90			10.329067
19	2	5500	8	85	1507		11.050501
20	1	5500	8	85			11.456292
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	14	65	1471		0.122841
2	2	5500	14	80	1024		1.233827
3	1	5500	14	90			2.424747
4	3	5500	14	90	1919	1961	2.718232
5	3	5500	14	90	1057	1510	4.270472
6	3	5500	14	70	1605	1759	4.71445
7	2	5500	14	65	1945		5.877518
8	1	5500	14	60			6.287013



9	1	5500	14	55			7.653579
10	2	5500	14	60	1873		8.472452
11	1	5500	14	90			9.096972
12	1	5500	14	95			10.020914
13	1	5500	14	55			11.136661
14	3	5500	14	70	1209	1472	11.223161
USA Bin 5 Trial #20							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	1	5500	15	50			0.443521
2	2	5500	15	55	1974		1.621101
3	1	5500	15	75			2.987214
4	2	5500	15	100	1927		3.146797
5	2	5500	15	80	1117		4.884363
6	1	5500	15	100			5.167393
7	1	5500	15	65			6.152746
8	2	5500	15	75	1687		7.642278
9	2	5500	15	55	1201		8.565791
10	3	5500	15	100	1457	1522	9.625003
11	1	5500	15	90			10.920032
12	3	5500	15	55	1014	1142	11.286808
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	5501.4	19	85	1749	1564	0.29728
2	2	5501.4	19	85	1512		0.988869
3	2	5501.4	19	55	1831		2.426525
4	3	5501.4	19	50	1667	1010	3.364282
5	2	5501.4	19	90	1668		4.332378
6	3	5501.4	19	50	1462	1571	5.041387
7	3	5501.4	19	65	1716	1365	5.93008
8	1	5501.4	19	70			7.048033
9	2	5501.4	19	65	1726		7.434203
10	3	5501.4	19	50	1062	1241	8.65122
11	2	5501.4	19	65	1059		9.58012
12	3	5501.4	19	95	1287	1476	10.203241
13	1	5501.4	19	70			11.555324
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	5504.2	12	70	1541		0.399109
2	2	5504.2	12	50	1391		1.583954
3	1	5504.2	12	70			4.434099
4	3	5504.2	12	65	1062	1433	4.599583
5	3	5504.2	12	50	1724	1826	6.369737
6	2	5504.2	12	55	1525		8.886914
7	2	5504.2	12	95	1878		9.991435
8	3	5504.2	12	100	1028	1650	11.066785
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	5505.4	9	90			0.450347
2	2	5505.4	9	65	1906		1.013106
3	1	5505.4	9	85			2.891587
4	1	5505.4	9	85			3.268915
5	2	5505.4	9	75	1968		4.358283
6	2	5505.4	9	90	1875		5.469493
7	2	5505.4	9	85	1160		6.936942
8	1	5505.4	9	60			7.283044
9	3	5505.4	9	85	1953	1011	8.102219
10	2	5505.4	9	75	1529		9.467233
11	1	5505.4	9	85			10.894357



12	2	5505.4	9	70	1469		11.089502
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	5504.2	12	75	1700	1028	0.235193
2	2	5504.2	12	100	1884		1.852524
3	3	5504.2	12	70	1516	1415	3.243806
4	3	5504.2	12	50	1878	1232	3.720206
5	1	5504.2	12	85			4.711847
6	3	5504.2	12	65	1369	1389	5.993589
7	3	5504.2	12	75	1533	1613	6.835853
8	3	5504.2	12	50	1577	1051	8.33696
9	3	5504.2	12	95	1874	1401	8.897309
10	2	5504.2	12	90	1916		10.696638
11	2	5504.2	12	70	1012		11.653588
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	5501	20	50	1319	1429	0.489468
2	3	5501	20	50	1516	1287	0.80734
3	3	5501	20	55	1394	1746	1.506679
4	3	5501	20	65	1159	1875	2.886842
5	3	5501	20	90	1735	1544	3.443221
6	2	5501	20	70	1272		4.214839
7	2	5501	20	55	1286		5.157892
8	3	5501	20	90	1068	1187	5.368553
9	3	5501	20	65	1014	1371	6.587183
10	2	5501	20	80	1179		7.192354
11	2	5501	20	95	1205		8.180651
12	3	5501	20	60	1355	1858	8.977966
13	1	5501	20	100			9.71875
14	1	5501	20	50			10.071033
15	2	5501	20	70	1683		10.565638
16	3	5501	20	95	1120	1741	11.875142
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	5504.6	11	65	1667	1592	0.065369
2	3	5504.6	11	60	1362	1776	1.714947
3	2	5504.6	11	85	1857		3.452109
4	1	5504.6	11	90			5.955271
5	3	5504.6	11	50	1469	1136	6.922457
6	3	5504.6	11	70	1886	1017	7.790545
7	1	5504.6	11	70			9.143359
8	3	5504.6	11	65	1106	1703	11.831475
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	3	5501.4	19	70	1967	1373	0.374459
2	1	5501.4	19	75			0.873494
3	2	5501.4	19	90	2000		1.888563
4	3	5501.4	19	80	1987	1220	2.564506
5	2	5501.4	19	80	1873		3.329461
6	2	5501.4	19	100	1090		4.302164
7	2	5501.4	19	60	1099		5.058759
8	3	5501.4	19	85	1543	1362	5.635958
9	1	5501.4	19	85			6.696951
10	3	5501.4	19	75	1755	1243	7.916803
11	3	5501.4	19	50	1214	1842	8.78666
12	1	5501.4	19	75			9.538608
13	1	5501.4	19	60			9.60112
14	3	5501.4	19	75	1091	1835	10.527603



15	2	5501.4	19	55	1885		11.6485
USA Bin 5 Trial #28							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	3	5502.2	17	90	1078	1037	0.241868
2	2	5502.2	17	95	1673		1.001585
3	3	5502.2	17	90	1676	1185	2.695561
4	1	5502.2	17	90			3.540933
5	3	5502.2	17	60	1178	1237	4.497529
6	3	5502.2	17	85	1023	1066	5.228809
7	1	5502.2	17	55			6.65681
8	2	5502.2	17	95	1523		7.324129
9	2	5502.2	17	65	1811		8.638866
10	3	5502.2	17	65	1295	1123	9.519751
11	3	5502.2	17	55	1733	1432	10.086518
12	2	5502.2	17	100	1710		11.258919
USA Bin 5 Trial #29							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	2	5501	20	80	1420		0.940696
2	1	5501	20	80			1.822637
3	3	5501	20	65	1531	1035	2.958003
4	2	5501	20	85	1508		3.84801
5	3	5501	20	70	1247	1559	5.368439
6	1	5501	20	65			5.723452
7	1	5501	20	80			6.633004
8	1	5501	20	65			7.845707
9	1	5501	20	65			9.086397
10	3	5501	20	50	1144	1122	10.246813
11	1	5501	20	55			11.177983
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	5505	10	100			0.220056
2	3	5505	10	95	1943	1941	1.098455
3	3	5505	10	95	1194	1713	2.751257
4	1	5505	10	90			3.366152
5	1	5505	10	100			4.210769
6	2	5505	10	80	1296		5.191003
7	1	5505	10	75			5.791333
8	2	5505	10	95	1052		6.733787
9	2	5505	10	90	1411		8.216841
10	1	5505	10	95			8.32388
11	1	5505	10	75			9.441204
12	2	5505	10	60	1495		10.763731
13	2	5505	10	95	1175		11.592691

*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	90.0%	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	0		
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	0		



USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
8	5504	24
11	5503	33
31	5494	93
37	5498	111
57	5492	171
85	5499	255

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
51	5491	153

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
12	5494	36
24	5498	72

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
36	5507	108
56	5494	168
98	5499	294

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
14	5501	42
16	5497	48

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
19	5491	57
45	5505	135
76	5501	228

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
0	5504	0
22	5492	66
24	5501	72
41	5498	123
57	5503	171
67	5509	201

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
2	5495	6
17	5500	51
31	5494	93
32	5501	96
55	5504	165
65	5492	195

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
59	5502	177
91	5505	273

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
77	5499	231
93	5506	279

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
18	5492	54
30	5501	90
34	5494	102
46	5491	138
55	5495	165
63	5503	189

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
35	5497	105
41	5503	123
71	5502	213
78	5501	234

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
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40	5505	120
54	5492	162
USA Frequency Hopping Trial #14		
Hop #	Freq (GHz)	Pulse Start (mS)
14	5494	42
30	5493	90
44	5504	132
48	5500	144
USA Frequency Hopping Trial #15		
Hop #	Freq (GHz)	Pulse Start (mS)
4	5500	12
12	5508	36
36	5506	108
37	5495	111
USA Frequency Hopping Trial #16		
Hop #	Freq (GHz)	Pulse Start (mS)
52	5492	156
58	5499	174
76	5491	228
84	5502	252
92	5498	276
USA Frequency Hopping Trial #17		
Hop #	Freq (GHz)	Pulse Start (mS)
33	5493	99
68	5507	204
USA Frequency Hopping Trial #18		
Hop #	Freq (GHz)	Pulse Start (mS)
15	5508	45
18	5506	54
36	5492	108
39	5499	117
90	5496	270
USA Frequency Hopping Trial #19		
Hop #	Freq (GHz)	Pulse Start (mS)
6	5494	18
11	5495	33
38	5505	114
43	5496	129
52	5501	156
60	5498	180
82	5497	246
99	5509	297
USA Frequency Hopping Trial #20		
Hop #	Freq (GHz)	Pulse Start (mS)
37	5506	111
77	5505	231
USA Frequency Hopping Trial #21		
Hop #	Freq (GHz)	Pulse Start (mS)
23	5506	69
62	5505	186
77	5497	231
84	5508	252
96	5491	288
USA Frequency Hopping Trial #22		
Hop #	Freq (GHz)	Pulse Start (mS)
3	5505	9
USA Frequency Hopping Trial #23		
Hop #	Freq (GHz)	Pulse Start (mS)
8	5500	24
13	5508	39
18	5504	54
47	5509	141
82	5496	246
87	5502	261
USA Frequency Hopping Trial #24		
Hop #	Freq (GHz)	Pulse Start (mS)
31	5503	93
USA Frequency Hopping Trial #25		
Hop #	Freq (GHz)	Pulse Start (mS)

51	5496	153
65	5508	195
77	5497	231
83	5494	249
USA Frequency Hopping Trial #26		
Hop #	Freq (GHz)	Pulse Start (mS)
30	5509	90
31	5504	93
76	5506	228
USA Frequency Hopping Trial #27		
Hop #	Freq (GHz)	Pulse Start (mS)
16	5499	48
28	5500	84
35	5507	105
38	5492	114
55	5496	165
76	5502	228
87	5505	261
USA Frequency Hopping Trial #28		
Hop #	Freq (GHz)	Pulse Start (mS)
6	5505	18
53	5495	159
USA Frequency Hopping Trial #29		
Hop #	Freq (GHz)	Pulse Start (mS)
42	5505	126
45	5503	135
49	5500	147
66	5504	198
68	5498	204
69	5502	207
82	5492	246
92	5493	276
USA Frequency Hopping Trial #30		
Hop #	Freq (GHz)	Pulse Start (mS)
22	5506	66
46	5504	138
49	5505	147
70	5496	210
USA Frequency Hopping Trial #1		
Hop #	Freq (GHz)	Pulse Start (mS)
8	5504	24
11	5503	33
31	5494	93
37	5498	111
57	5492	171
85	5499	255
USA Frequency Hopping Trial #2		
Hop #	Freq (GHz)	Pulse Start (mS)
51	5491	153
USA Frequency Hopping Trial #3		
Hop #	Freq (GHz)	Pulse Start (mS)
12	5494	36
24	5498	72
USA Frequency Hopping Trial #4		
Hop #	Freq (GHz)	Pulse Start (mS)
36	5507	108
56	5494	168
98	5499	294
USA Frequency Hopping Trial #5		
Hop #	Freq (GHz)	Pulse Start (mS)
14	5501	42
16	5497	48
USA Frequency Hopping Trial #6		
Hop #	Freq (GHz)	Pulse Start (mS)
19	5491	57
45	5505	135
76	5501	228
USA Frequency Hopping Trial #7		
Hop #	Freq (GHz)	Pulse Start (mS)

0	5504	0
22	5492	66
24	5501	72
41	5498	123
57	5503	171
67	5509	201
USA Frequency Hopping Trial #8		
Hop #	Freq (GHz)	Pulse Start (mS)
2	5495	6
17	5500	51
31	5494	93
32	5501	96
55	5504	165
65	5492	195
USA Frequency Hopping Trial #9		
Hop #	Freq (GHz)	Pulse Start (mS)
59	5502	177
91	5505	273
USA Frequency Hopping Trial #10		
Hop #	Freq (GHz)	Pulse Start (mS)
77	5499	231
93	5506	279
USA Frequency Hopping Trial #11		
Hop #	Freq (GHz)	Pulse Start (mS)
18	5492	54
30	5501	90
34	5494	102
46	5491	138
55	5495	165
63	5503	189
USA Frequency Hopping Trial #12		
Hop #	Freq (GHz)	Pulse Start (mS)
35	5497	105
41	5503	123
71	5502	213
78	5501	234
USA Frequency Hopping Trial #13		
Hop #	Freq (GHz)	Pulse Start (mS)
40	5505	120
54	5492	162
USA Frequency Hopping Trial #14		
Hop #	Freq (GHz)	Pulse Start (mS)
14	5494	42
30	5493	90
44	5504	132
48	5500	144
USA Frequency Hopping Trial #15		
Hop #	Freq (GHz)	Pulse Start (mS)
4	5500	12
12	5508	36
36	5506	108
37	5495	111
USA Frequency Hopping Trial #16		
Hop #	Freq (GHz)	Pulse Start (mS)
52	5492	156
58	5499	174
76	5491	228
84	5502	252
92	5498	276
USA Frequency Hopping Trial #17		
Hop #	Freq (GHz)	Pulse Start (mS)
33	5493	99
68	5507	204
USA Frequency Hopping Trial #18		
Hop #	Freq (GHz)	Pulse Start (mS)
15	5508	45
18	5506	54
36	5492	108
39	5499	117

90	5496	270
USA Frequency Hopping Trial #19		
Hop #	Freq (GHz)	Pulse Start (mS)
6	5494	18
11	5495	33
38	5505	114
43	5496	129
52	5501	156
60	5498	180
82	5497	246
99	5509	297
USA Frequency Hopping Trial #20		
Hop #	Freq (GHz)	Pulse Start (mS)
37	5506	111
77	5505	231
USA Frequency Hopping Trial #21		
Hop #	Freq (GHz)	Pulse Start (mS)
23	5506	69
62	5505	186
77	5497	231
84	5508	252
96	5491	288
USA Frequency Hopping Trial #22		
Hop #	Freq (GHz)	Pulse Start (mS)
3	5505	9
USA Frequency Hopping Trial #23		
Hop #	Freq (GHz)	Pulse Start (mS)
8	5500	24
13	5508	39
18	5504	54
47	5509	141
82	5496	246
87	5502	261
USA Frequency Hopping Trial #24		
Hop #	Freq (GHz)	Pulse Start (mS)
31	5503	93
USA Frequency Hopping Trial #25		
Hop #	Freq (GHz)	Pulse Start (mS)
51	5496	153
65	5508	195
77	5497	231
83	5494	249
USA Frequency Hopping Trial #26		
Hop #	Freq (GHz)	Pulse Start (mS)
30	5509	90
31	5504	93
76	5506	228
USA Frequency Hopping Trial #27		
Hop #	Freq (GHz)	Pulse Start (mS)
16	5499	48
28	5500	84
35	5507	105
38	5492	114
55	5496	165
76	5502	228
87	5505	261
USA Frequency Hopping Trial #28		
Hop #	Freq (GHz)	Pulse Start (mS)
6	5505	18
53	5495	159
USA Frequency Hopping Trial #29		
Hop #	Freq (GHz)	Pulse Start (mS)
42	5505	126
45	5503	135
49	5500	147
66	5504	198
68	5498	204
69	5502	207
82	5492	246



92	5493	276
USA Frequency Hopping Trial #30		
Hop #	Freq (GHz)	Pulse Start (mS)
22	5506	66
46	5504	138
49	5505	147
70	5496	210


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:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100.0\% + 100.0\% + 100.0\% + 90.0\% + 100.0\%) / 5 = 98.0\% (>80\%)$$

*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
						11.611161

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	6.185136
8	1	5510	7	50		7.148079
9	2	5510	7	75	1807	8.372425
10	1	5510	7	55		9.64754
11	1	5510	7	75		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 1A/1B Radar Statistical Performance

Trial #	Frequency	Pulses	PW	PRI	1=Detection 0=No Detection	Detection Percentage	Limit
1	5530	18	1	3066	1	96.7%	60.0%
2	5530	92	1	578	1		
3	5530	72	1	738	1		
4	5530	59	1	898	1		
5	5530	67	1	798	1		
6	5530	68	1	778	1		
7	5530	86	1	618	1		
8	5530	92	1	578	1		
9	5530	102	1	518	1		
10	5530	81	1	658	1		
11	5530	78	1	678	1		
12	5530	63	1	838	1		
13	5530	58	1	918	1		
14	5530	62	1	858	0		
15	5530	58	1	918	1		
16	5530	45	1	1185	1		
17	5530	94	1	564	1		
18	5530	19	1	2842	1		
19	5530	60	1	881	1		
20	5530	32	1	1680	1		
21	5530	18	1	3026	1		
22	5530	37	1	1430	1		
23	5530	50	1	1069	1		
24	5530	49	1	1078	1		
25	5530	82	1	648	1		
26	5530	80	1	663	1		
27	5530	25	1	2136	1		
28	5530	46	1	1152	1		
29	5530	38	1	1417	1		
30	5530	41	1	1295	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	92	1	578	1	100.0%	60.0%
2	5530	63	1	838	1		
3	5530	74	1	718	1		
4	5530	67	1	798	1		
5	5530	86	1	618	1		
6	5530	86	1	618	1		
7	5530	81	1	658	1		
8	5530	18	1	3066	1		
9	5530	76	1	698	1		
10	5530	59	1	898	1		
11	5530	83	1	638	1		
12	5530	18	1	3066	1		
13	5530	63	1	838	1		
14	5530	74	1	718	1		
15	5530	78	1	678	1		
16	5530	31	1	1752	1		
17	5530	38	1	1425	1		
18	5530	19	1	2832	1		
19	5530	79	1	674	1		
20	5530	24	1	2236	1		
21	5530	20	1	2742	1		
22	5530	21	1	2584	1		
23	5530	82	1	644	1		
24	5530	23	1	2368	1		
25	5530	19	1	2881	1		
26	5530	38	1	1400	1		
27	5530	22	1	2494	1		
28	5530	18	1	2935	1		
29	5530	21	1	2607	1		
30	5530	45	1	1189	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	25	2.7	182	1	96.7%	60.0%
2	5530	27	3.3	220	1		
3	5530	26	2.2	184	1		
4	5530	29	4.2	228	1		
5	5530	23	1	211	1		
6	5530	24	2	174	1		
7	5530	27	1.5	224	1		
8	5530	29	4.7	175	1		
9	5530	27	4.8	168	1		
10	5530	26	2	163	1		
11	5530	29	3.6	203	1		
12	5530	28	3.4	200	1		
13	5530	26	4.3	211	1		
14	5530	25	5	170	1		
15	5530	27	2.5	204	1		
16	5530	28	4.6	209	1		
17	5530	25	4.3	187	1		
18	5530	29	4.1	224	1		
19	5530	23	3	185	1		
20	5530	29	3.5	227	0		
21	5530	25	2.9	151	1		
22	5530	23	1.9	221	1		
23	5530	29	3.3	190	1		
24	5530	27	4.4	165	1		
25	5530	28	3.2	153	1		
26	5530	29	4.8	195	1		
27	5530	29	1.1	152	1		
28	5530	28	4.5	175	1		
29	5530	29	4.8	181	1		
30	5530	25	4.9	212	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	8.2	383	1	100.0%	60.0%
2	5530	18	8.6	384	1		
3	5530	18	7.6	217	1		
4	5530	17	7.4	362	1		
5	5530	18	7.4	335	1		
6	5530	17	7.2	478	1		
7	5530	18	6.5	315	1		
8	5530	18	7.6	259	1		
9	5530	16	7.3	345	1		
10	5530	17	8.1	419	1		
11	5530	16	8.5	463	1		
12	5530	17	6.5	398	1		
13	5530	17	8.3	348	1		
14	5530	16	8.7	384	1		
15	5530	16	7.2	385	1		
16	5530	17	8.2	326	1		
17	5530	18	7.8	263	1		
18	5530	16	6.7	360	1		
19	5530	18	9	406	1		
20	5530	17	7.5	334	1		
21	5530	18	10	366	1		
22	5530	16	7.7	461	1		
23	5530	17	8.5	218	1		
24	5530	18	8.9	208	1		
25	5530	18	6.2	231	1		
26	5530	16	6.5	448	1		
27	5530	16	8.5	436	1		
28	5530	16	6.4	422	1		
29	5530	18	6.2	260	1		
30	5530	16	9.9	245	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	12	18.8	292	1	86.7%	60.0%
2	5530	15	12.2	447	0		
3	5530	16	13.3	330	1		
4	5530	15	12.4	362	1		
5	5530	12	16.8	414	1		
6	5530	12	12.3	317	1		
7	5530	16	16.1	393	0		
8	5530	12	17.1	384	1		
9	5530	14	16.7	286	1		
10	5530	14	12.7	414	1		
11	5530	12	12.4	241	1		
12	5530	16	12.9	214	1		
13	5530	13	15.6	486	1		
14	5530	12	16.3	384	1		
15	5530	15	18.1	492	0		
16	5530	12	11.8	421	1		
17	5530	16	16.9	330	1		
18	5530	12	15.9	465	1		
19	5530	15	19.9	269	1		
20	5530	14	15.6	464	1		
21	5530	14	11.2	311	1		
22	5530	15	19.2	339	1		
23	5530	15	12.5	369	1		
24	5530	14	18.6	337	1		
25	5530	13	15.9	451	1		
26	5530	15	18	431	1		
27	5530	13	19.6	247	0		
28	5530	16	15	413	1		
29	5530	13	19.7	391	1		
30	5530	16	12.6	496	1		

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

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (96.7\% + 100.0\% + 96.7\% + 100.0\% + 86.7)/5 = 98.0\% (>80\%)$$

*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	3	5497.6	14	75	1281	1944
2	3	5497.6	14	95	1813	1439
3	1	5497.6	14	90		
4	1	5497.6	14	60		
5	3	5497.6	14	55	1229	1682
6	3	5497.6	14	80	1843	1074
7	2	5497.6	14	50	1995	
8	3	5497.6	14	90	1981	1401
9	1	5497.6	14	70		
10	3	5497.6	14	55	1000	1889
11	2	5497.6	14	55	1638	
12	2	5497.6	14	50	1134	
13	2	5497.6	14	85	1060	
14	2	5497.6	14	95	1579	
15	2	5497.6	14	70	1875	
16	2	5497.6	14	60	1530	

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	5497.6	14	75	1969	1986
2	2	5497.6	14	60	1426	
3	3	5497.6	14	50	1782	1825
4	3	5497.6	14	70	1118	1327
5	3	5497.6	14	65	1648	1061
6	3	5497.6	14	55	1920	1514
7	1	5497.6	14	70		
8	2	5497.6	14	55	1348	
9	1	5497.6	14	95		
10	3	5497.6	14	70	1972	1919
11	1	5497.6	14	95		
12	1	5497.6	14	65		
13	1	5497.6	14	65		
14	3	5497.6	14	75	1784	1314
15	3	5497.6	14	95	1898	1095
16	2	5497.6	14	75	1989	
17	3	5497.6	14	55	1709	1806
18	3	5497.6	14	60	1362	1655

USA Bin 5 Trial #3

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5498	15	75	1861	
2	1	5498	15	100		
3	2	5498	15	55	1816	
4	2	5498	15	95	1467	
5	1	5498	15	90		
6	1	5498	15	50		
7	2	5498	15	95	1068	
8	3	5498	15	60	1769	1995
9	2	5498	15	80	1476	
10	1	5498	15	95		
11	2	5498	15	50	1057	
12	3	5498	15	65	1660	1862
13	3	5498	15	90	1487	1738
14	1	5498	15	75		
15	1	5498	15	70		
16	2	5498	15	80	1148	
17	1	5498	15	80		

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	5496.8	12	65	1261	0.083823
2	2	5496.8	12	65	1821	1.895118
3	2	5496.8	12	95	1051	2.84924
4	1	5496.8	12	100		3.913652
5	3	5496.8	12	75	1599	5.299999
6	1	5496.8	12	70		5.672023
7	1	5496.8	12	70		7.031284
8	3	5496.8	12	65	1744	8.619777
9	1	5496.8	12	95		9.52752
10	1	5496.8	12	75		10.216788
11	3	5496.8	12	70	1675	11.409562

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	5497.6	14	95	1767	1.131903
2	2	5497.6	14	55	1309	2.229137
3	1	5497.6	14	85		2.573733
4	2	5497.6	14	55	1171	4.036827
5	1	5497.6	14	100		5.749511
6	1	5497.6	14	80		6.452717
7	3	5497.6	14	80	1333	8.33877
8	2	5497.6	14	60	1996	8.865971
9	3	5497.6	14	90	1212	10.148611
10	1	5497.6	14	70		10.966356

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	5499.2	18	60	1602	0.279554
2	2	5499.2	18	100	1138	1.111724
3	1	5499.2	18	50		1.688356
4	1	5499.2	18	70		2.824717
5	1	5499.2	18	90		3.64466
6	2	5499.2	18	55	1013	3.993664
7	2	5499.2	18	55	1018	4.870347
8	1	5499.2	18	55		5.706284
9	2	5499.2	18	60	1281	6.651411
10	1	5499.2	18	65		7.064054
11	1	5499.2	18	65		7.650582
12	3	5499.2	18	55	1048	8.653033
13	1	5499.2	18	65		9.738774
14	1	5499.2	18	100		10.408359
15	1	5499.2	18	90		10.996502
16	2	5499.2	18	80	1683	11.752765

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	60	1038	0.201506
2	2	5497.6	14	55	1783	1.062688
3	2	5497.6	14	65	1612	2.262781
4	3	5497.6	14	70	1904	2.59513
5	1	5497.6	14	90		3.940486
6	2	5497.6	14	85	1615	5.073162
7	1	5497.6	14	55		5.86767
8	2	5497.6	14	50	1831	6.146688
9	2	5497.6	14	95	1898	7.484488
10	1	5497.6	14	90		7.80943
11	1	5497.6	14	100		9.164807
12	1	5497.6	14	55		9.708836
13	2	5497.6	14	60	1246	10.766143
14	3	5497.6	14	90	1433	11.264342



USA Bin 5 Trial #8

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5496.8	12	65		0.972957
2	2	5496.8	12	95	1394	2.048927
3	1	5496.8	12	55		2.688001
4	1	5496.8	12	75		3.497354
5	2	5496.8	12	50	1668	4.419198
6	1	5496.8	12	55		5.539661
7	2	5496.8	12	60	1542	7.37591
8	3	5496.8	12	100	1889	1680
9	1	5496.8	12	100		9.418026
10	3	5496.8	12	100	1608	1307
11	2	5496.8	12	65	1969	11.579755

USA Bin 5 Trial #9

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5497.6	14	100	1725	1594
2	1	5497.6	14	80		0.642163
3	3	5497.6	14	90	1787	1288
4	3	5497.6	14	80	1947	1206
5	3	5497.6	14	70	1218	1303
6	2	5497.6	14	75	1367	3.149587
7	2	5497.6	14	85	1791	3.598913
8	1	5497.6	14	60		4.469546
9	1	5497.6	14	65		5.26063
10	2	5497.6	14	95	1426	5.981564
11	1	5497.6	14	75		6.199512
12	2	5497.6	14	60	1435	6.984668
13	2	5497.6	14	50	1588	7.739829
14	3	5497.6	14	60	1754	1627
15	2	5497.6	14	95	1115	8.059066
16	1	5497.6	14	100		9.237793
17	2	5497.6	14	95	1803	9.360296
18	1	5497.6	14	55		10.409633
						11.063471
						11.732427

USA Bin 5 Trial #10

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5496	10	90		0.786678
2	2	5496	10	75	1221	1.39928
3	1	5496	10	70		1.777656
4	1	5496	10	70		2.660697
5	2	5496	10	65	1931	3.939084
6	1	5496	10	50		4.561747
7	2	5496	10	95	1325	4.895004
8	3	5496	10	50	1388	1370
9	2	5496	10	80	1479	5.802015
10	2	5496	10	65	1270	6.824317
11	3	5496	10	85	1962	1468
12	2	5496	10	95	1679	7.680161
13	2	5496	10	60	1593	8.775196
14	2	5496	10	65	1439	9.297892
15	1	5496	10	90		10.069065
						11.023651
						11.778758

USA Bin 5 Trial #11

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5530	17	100	1855	1097
2	3	5530	17	90	1625	1216
3	3	5530	17	80	1670	1675
4	3	5530	17	100	1588	1410
5	1	5530	17	90		3.079496
6	3	5530	17	85	1433	1107
						4.220662
						5.582986

7	2	5530	17	75	1293		6.363783
8	3	5530	17	95	1804	1820	7.400992
9	1	5530	17	55			8.463536
10	2	5530	17	90	1875		9.086602
11	1	5530	17	90			10.357931
12	1	5530	17	55			11.525707

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5530	13	95	1396	1923
2	3	5530	13	75	1115	1248
3	2	5530	13	85	1423	
4	1	5530	13	55		
5	1	5530	13	100		
6	1	5530	13	80		
7	2	5530	13	50	1569	
8	3	5530	13	55	1705	1428
9	1	5530	13	95		
10	1	5530	13	95		
11	3	5530	13	65	1767	1140
12	2	5530	13	65	1528	
13	3	5530	13	50	1952	1267
14	2	5530	13	50	1971	
15	3	5530	13	80	1959	1349
16	1	5530	13	55		
17	2	5530	13	65	1314	
18	2	5530	13	55	1729	
19	2	5530	13	75	1101	

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	5530	15	85	1276	
2	1	5530	15	100		
3	1	5530	15	50		
4	1	5530	15	95		
5	2	5530	15	100	1347	
6	2	5530	15	60	1218	
7	3	5530	15	70	1229	1887
8	2	5530	15	85	1008	

USA Bin 5 Trial #14

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5530	5	60	1951	1373
2	2	5530	5	65	1425	
3	2	5530	5	85	1116	
4	3	5530	5	70	1006	1991
5	3	5530	5	60	1031	1736
6	3	5530	5	60	1122	1092
7	2	5530	5	100	1808	
8	3	5530	5	85	1403	1004
9	1	5530	5	100		
10	2	5530	5	70	1125	
11	3	5530	5	95	1343	1707
12	1	5530	5	85		
13	3	5530	5	80	1407	1722
14	3	5530	5	50	1530	1053
15	2	5530	5	90	1730	
16	1	5530	5	50		
17	3	5530	5	75	1972	1001
18	2	5530	5	70	1436	

USA Bin 5 Trial #15



Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5530	7	75	1666	0.002618
2	3	5530	7	90	1984	1.521658
3	1	5530	7	65		2.97148
4	1	5530	7	60		5.103043
5	1	5530	7	55		6.604638
6	2	5530	7	80	1947	7.91535
7	1	5530	7	65		9.137558
8	1	5530	7	100		9.545424
9	3	5530	7	85	1378	11.371794

USA Bin 5 Trial #16

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5530	20	95	1703	0.800715
2	3	5530	20	50	1030	1.108453
3	1	5530	20	75		3.18048
4	1	5530	20	50		4.228119
5	1	5530	20	100		4.985489
6	3	5530	20	85	1377	5.956703
7	2	5530	20	55	1026	6.791461
8	1	5530	20	100		7.759894
9	1	5530	20	60		9.280599
10	2	5530	20	85	1673	10.869297
11	3	5530	20	80	1562	11.554726

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	5530	14	75	1796	0.323736
2	1	5530	14	85		1.168973
3	3	5530	14	60	1278	2.315764
4	1	5530	14	65		3.112915
5	1	5530	14	70		3.540922
6	2	5530	14	95	1786	4.135118
7	3	5530	14	65	1281	5.581837
8	2	5530	14	75	1772	6.2062
9	1	5530	14	70		6.568764
10	3	5530	14	85	1010	7.975826
11	3	5530	14	90	1273	8.599144
12	2	5530	14	100	1955	8.899135
13	2	5530	14	70	1269	9.931678
14	1	5530	14	65		10.447863
15	3	5530	14	65	1485	11.808101

USA Bin 5 Trial #18

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5530	16	75	1545	0.154356
2	2	5530	16	70	1600	2.295519
3	2	5530	16	65	1004	2.519011
4	2	5530	16	90	1164	4.207662
5	2	5530	16	75	1723	5.001924
6	1	5530	16	100		6.301666
7	1	5530	16	65		8.196133
8	1	5530	16	95		8.495885
9	3	5530	16	75	1442	10.36015
10	2	5530	16	85	1286	11.484224

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	13	75	1402	0.350705
2	3	5530	13	60	1417	1.247656
3	1	5530	13	100		1.719347



4	1	5530	13	95			2.485745
5	2	5530	13	70	1747		3.298324
6	3	5530	13	50	1883	1272	4.602115
7	3	5530	13	100	1351	1764	4.939072
8	1	5530	13	95			5.734426
9	2	5530	13	65	1915		6.814328
10	3	5530	13	55	1654	1007	7.932711
11	1	5530	13	65			8.792224
12	3	5530	13	70	1873	1875	9.056085
13	3	5530	13	75	1106	1711	9.886603
14	2	5530	13	75	1019		11.103347
15	3	5530	13	75	1481	1878	11.38021

USA Bin 5 Trial #20

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5530	6	65	1262	1120
2	2	5530	6	95	1369	
3	2	5530	6	100	1447	
4	1	5530	6	65		
5	1	5530	6	100		
6	3	5530	6	85	1966	1497
7	1	5530	6	80		
8	3	5530	6	80	1890	1191
9	3	5530	6	80	1612	1275
10	2	5530	6	90	1538	
11	1	5530	6	65		

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	5564.8	8	70		
2	1	5564.8	8	75		
3	3	5564.8	8	60	1317	1177
4	2	5564.8	8	100	1675	
5	1	5564.8	8	70		
6	1	5564.8	8	80		
7	1	5564.8	8	95		
8	1	5564.8	8	90		
9	1	5564.8	8	95		
10	2	5564.8	8	50	1397	
11	3	5564.8	8	50	1852	1678

USA Bin 5 Trial #22

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5564	10	70	1570	1669
2	1	5564	10	75		
3	3	5564	10	100	1886	1658
4	3	5564	10	55	1562	1741
5	2	5564	10	75	1877	
6	3	5564	10	50	1945	1427
7	3	5564	10	50	1484	1798
8	3	5564	10	85	1954	1568
9	2	5564	10	100	1426	
10	1	5564	10	60		
11	2	5564	10	55	1836	
12	1	5564	10	95		
13	1	5564	10	90		
14	1	5564	10	80		

USA Bin 5 Trial #23

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5563.2	12	65	1317	
2	3	5563.2	12	100	1714	1765



3	2	5563.2	12	65	1326		1.5278
4	3	5563.2	12	65	1680	1817	2.016967
5	1	5563.2	12	55			3.152127
6	1	5563.2	12	85			3.530067
7	1	5563.2	12	95			4.184874
8	2	5563.2	12	80	1143		4.620585
9	2	5563.2	12	90	1017		5.288435
10	1	5563.2	12	80			5.736562
11	3	5563.2	12	70	1036	1725	6.786765
12	1	5563.2	12	70			6.973403
13	1	5563.2	12	85			7.790378
14	2	5563.2	12	55	1745		8.604684
15	3	5563.2	12	60	1228	1995	9.016572
16	1	5563.2	12	80			9.584826
17	2	5563.2	12	55	1817		10.50741
18	1	5563.2	12	75			10.781669
19	1	5563.2	12	55			11.933326

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	5566	5	65	1777	1830
2	1	5566	5	100		
3	3	5566	5	90	1892	1588
4	1	5566	5	80		
5	1	5566	5	70		
6	3	5566	5	80	1395	1841
7	2	5566	5	100	1806	
8	3	5566	5	75	1512	1860
9	3	5566	5	80	1952	1756
10	3	5566	5	50	1205	1821
11	1	5566	5	95		
12	2	5566	5	65	1772	
13	1	5566	5	75		

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	5563.6	11	50	1021	
2	2	5563.6	11	80	1804	
3	1	5563.6	11	100		
4	3	5563.6	11	95	1847	1298
5	1	5563.6	11	70		
6	3	5563.6	11	60	1027	1071
7	1	5563.6	11	75		
8	2	5563.6	11	85	1440	
9	3	5563.6	11	90	1238	1877
10	2	5563.6	11	90	1481	

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	5565.6	6	100	1463	1710
2	2	5565.6	6	75	1580	
3	3	5565.6	6	90	1823	1258
4	1	5565.6	6	50		
5	3	5565.6	6	50	1752	1563
6	2	5565.6	6	60	1622	
7	2	5565.6	6	65	1855	
8	3	5565.6	6	85	1016	1905
9	2	5565.6	6	70	1890	
10	3	5565.6	6	90	1949	1578

USA Bin 5 Trial #27

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



1	1	5564.8	8	95			0.328232
2	1	5564.8	8	65			1.858963
3	2	5564.8	8	50	1796		3.169318
4	3	5564.8	8	85	1981	1786	4.357984
5	3	5564.8	8	85	1694	1042	5.632444
6	3	5564.8	8	100	1182	1875	7.416944
7	1	5564.8	8	75			8.484199
8	1	5564.8	8	80			9.660844
9	2	5564.8	8	50	1343		11.12178

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	5561.2	17	70	1865	0.510797
2	3	5561.2	17	50	1073	1.247382
3	2	5561.2	17	90	1417	1.656067
4	1	5561.2	17	70		2.316941
5	2	5561.2	17	100	1435	3.179601
6	3	5561.2	17	85	1636	3.745571
7	2	5561.2	17	80	1037	4.358157
8	2	5561.2	17	55	1842	5.585762
9	3	5561.2	17	60	1036	5.84133
10	2	5561.2	17	65	1617	6.491368
11	1	5561.2	17	55		7.733892
12	3	5561.2	17	75	1688	7.841622
13	3	5561.2	17	85	1092	8.82731
14	1	5561.2	17	55		9.185029
15	3	5561.2	17	60	1641	10.148475
16	1	5561.2	17	70		10.680858
17	1	5561.2	17	95		11.923155

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	5563.2	12	70		0.374068
2	3	5563.2	12	85	1841	1.056734
3	3	5563.2	12	80	1448	1.668112
4	1	5563.2	12	95		2.136833
5	1	5563.2	12	65		2.731845
6	2	5563.2	12	90	1918	3.165772
7	1	5563.2	12	50		4.095817
8	3	5563.2	12	75	1433	4.515642
9	3	5563.2	12	70	1070	5.153458
10	1	5563.2	12	60		5.522431
11	3	5563.2	12	65	1596	6.112257
12	3	5563.2	12	100	1127	6.86094
13	1	5563.2	12	85		7.707673
14	3	5563.2	12	50	1481	7.863226
15	3	5563.2	12	90	1459	8.712816
16	1	5563.2	12	90		9.18444
17	1	5563.2	12	60		9.772479
18	1	5563.2	12	80		10.447599
19	3	5563.2	12	50	1539	11.075541
20	1	5563.2	12	65		11.534519

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	5560.8	18	80	1845	0.54112
2	3	5560.8	18	80	1837	1.094031
3	3	5560.8	18	85	1765	1.543854
4	2	5560.8	18	60	1546	2.833854
5	3	5560.8	18	90	1269	3.461793
6	1	5560.8	18	50		4.229995
7	1	5560.8	18	70		4.951986



8	3	5560.8	18	100	1695	1857	5.78227
9	3	5560.8	18	100	1527	1455	6.67673
10	3	5560.8	18	100	1676	1365	7.254372
11	1	5560.8	18	60			7.658632
12	2	5560.8	18	55	1830		8.69101
13	2	5560.8	18	90	1551		9.39023
14	2	5560.8	18	100	1375		10.021089
15	3	5560.8	18	85	1033	1223	10.563381
16	2	5560.8	18	90	1971		11.592382

USA Bin 5 Trial #1

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
	Pulse Start (S)						
1	3	5497.6	14	75	1281	1944	0.007047
2	3	5497.6	14	95	1813	1439	1.472181
3	1	5497.6	14	90			1.938827
4	1	5497.6	14	60			2.537233
5	3	5497.6	14	55	1229	1682	3.331751
6	3	5497.6	14	80	1843	1074	4.311753
7	2	5497.6	14	50	1995		4.700975
8	3	5497.6	14	90	1981	1401	5.847148
9	1	5497.6	14	70			6.002192
10	3	5497.6	14	55	1000	1889	7.17529
11	2	5497.6	14	55	1638		7.991841
12	2	5497.6	14	50	1134		8.908828
13	2	5497.6	14	85	1060		9.282554
14	2	5497.6	14	95	1579		10.227063
15	2	5497.6	14	70	1875		10.880831
16	2	5497.6	14	60	1530		11.688043

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	5497.6	14	75	1969	1986	0.353198
2	2	5497.6	14	60	1426		1.067397
3	3	5497.6	14	50	1782	1825	1.611885
4	3	5497.6	14	70	1118	1327	2.493433
5	3	5497.6	14	65	1648	1061	2.672204
6	3	5497.6	14	55	1920	1514	3.840597
7	1	5497.6	14	70			4.459261
8	2	5497.6	14	55	1348		4.733856
9	1	5497.6	14	95			5.557749
10	3	5497.6	14	70	1972	1919	6.11002
11	1	5497.6	14	95			7.227368
12	1	5497.6	14	65			7.573822
13	1	5497.6	14	65			8.600393
14	3	5497.6	14	75	1784	1314	8.946896
15	3	5497.6	14	95	1898	1095	9.816715
16	2	5497.6	14	75	1989		10.118147
17	3	5497.6	14	55	1709	1806	10.858066
18	3	5497.6	14	60	1362	1655	11.735355

USA Bin 5 Trial #3

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5498	15	75	1861	0.149877
2	1	5498	15	100		1.281694
3	2	5498	15	55	1816	1.521987
4	2	5498	15	95	1467	2.429624
5	1	5498	15	90		3.015478
6	1	5498	15	50		4.062113
7	2	5498	15	95	1068	4.714133
8	3	5498	15	60	1769	1995 5.214392
9	2	5498	15	80	1476	
10	1	5498	15	95		6.896592



11	2	5498	15	50	1057		7.124451
12	3	5498	15	65	1660	1862	7.840142
13	3	5498	15	90	1487	1738	8.694209
14	1	5498	15	75			9.2873
15	1	5498	15	70			9.956896
16	2	5498	15	80	1148		11.029068
17	1	5498	15	80			11.774504

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	5496.8	12	65	1261	0.083823	
2	2	5496.8	12	65	1821	1.895118	
3	2	5496.8	12	95	1051	2.84924	
4	1	5496.8	12	100		3.913652	
5	3	5496.8	12	75	1599	1521	5.299999
6	1	5496.8	12	70		5.672023	
7	1	5496.8	12	70		7.031284	
8	3	5496.8	12	65	1744	1154	8.619777
9	1	5496.8	12	95		9.52752	
10	1	5496.8	12	75		10.216788	
11	3	5496.8	12	70	1675	1736	11.409562

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	5497.6	14	95	1767	1.131903	
2	2	5497.6	14	55	1309	2.229137	
3	1	5497.6	14	85		2.573733	
4	2	5497.6	14	55	1171	4.036827	
5	1	5497.6	14	100		5.749511	
6	1	5497.6	14	80		6.452717	
7	3	5497.6	14	80	1333	1756	8.33877
8	2	5497.6	14	60	1996		8.865971
9	3	5497.6	14	90	1212	1554	10.148611
10	1	5497.6	14	70			10.966356

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	5499.2	18	60	1602	0.279554	
2	2	5499.2	18	100	1138	1.111724	
3	1	5499.2	18	50		1.688356	
4	1	5499.2	18	70		2.824717	
5	1	5499.2	18	90		3.64466	
6	2	5499.2	18	55	1013	3.993664	
7	2	5499.2	18	55	1018	4.870347	
8	1	5499.2	18	55		5.706284	
9	2	5499.2	18	60	1281	6.651411	
10	1	5499.2	18	65		7.064054	
11	1	5499.2	18	65		7.650582	
12	3	5499.2	18	55	1048	1596	8.653033
13	1	5499.2	18	65		9.738774	
14	1	5499.2	18	100		10.408359	
15	1	5499.2	18	90		10.996502	
16	2	5499.2	18	80	1683		11.752765

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	60	1038	1867	0.201506
2	2	5497.6	14	55	1783		1.062688
3	2	5497.6	14	65	1612		2.262781
4	3	5497.6	14	70	1904	1970	2.59513
5	1	5497.6	14	90			3.940486
6	2	5497.6	14	85	1615		5.073162



7	1	5497.6	14	55			5.86767
8	2	5497.6	14	50	1831		6.146688
9	2	5497.6	14	95	1898		7.484488
10	1	5497.6	14	90			7.80943
11	1	5497.6	14	100			9.164807
12	1	5497.6	14	55			9.708836
13	2	5497.6	14	60	1246		10.766143
14	3	5497.6	14	90	1433	1572	11.264342

USA Bin 5 Trial #8

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5496.8	12	65		0.972957
2	2	5496.8	12	95	1394	2.048927
3	1	5496.8	12	55		2.688001
4	1	5496.8	12	75		3.497354
5	2	5496.8	12	50	1668	4.419198
6	1	5496.8	12	55		5.539661
7	2	5496.8	12	60	1542	7.37591
8	3	5496.8	12	100	1889	1680
9	1	5496.8	12	100		9.418026
10	3	5496.8	12	100	1608	1307
11	2	5496.8	12	65	1969	11.579755

USA Bin 5 Trial #9

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5497.6	14	100	1725	1594
2	1	5497.6	14	80		
3	3	5497.6	14	90	1787	1288
4	3	5497.6	14	80	1947	1206
5	3	5497.6	14	70	1218	1303
6	2	5497.6	14	75	1367	
7	2	5497.6	14	85	1791	
8	1	5497.6	14	60		
9	1	5497.6	14	65		
10	2	5497.6	14	95	1426	
11	1	5497.6	14	75		
12	2	5497.6	14	60	1435	
13	2	5497.6	14	50	1588	
14	3	5497.6	14	60	1754	1627
15	2	5497.6	14	95	1115	
16	1	5497.6	14	100		
17	2	5497.6	14	95	1803	
18	1	5497.6	14	55		

USA Bin 5 Trial #10

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5496	10	90		0.786678
2	2	5496	10	75	1221	1.39928
3	1	5496	10	70		1.777656
4	1	5496	10	70		2.660697
5	2	5496	10	65	1931	3.939084
6	1	5496	10	50		4.561747
7	2	5496	10	95	1325	4.895004
8	3	5496	10	50	1388	1370
9	2	5496	10	80	1479	
10	2	5496	10	65	1270	
11	3	5496	10	85	1962	1468
12	2	5496	10	95	1679	
13	2	5496	10	60	1593	
14	2	5496	10	65	1439	
15	1	5496	10	90		

USA Bin 5 Trial #11



Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	3	5530	17	100	1855	1097
2	3	5530	17	90	1625	1216
3	3	5530	17	80	1670	1675
4	3	5530	17	100	1588	1410
5	1	5530	17	90		
6	3	5530	17	85	1433	1107
7	2	5530	17	75	1293	
8	3	5530	17	95	1804	1820
9	1	5530	17	55		
10	2	5530	17	90	1875	
11	1	5530	17	90		
12	1	5530	17	55		

USA Bin 5 Trial #12

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	3	5530	13	95	1396	1923
2	3	5530	13	75	1115	1248
3	2	5530	13	85	1423	
4	1	5530	13	55		
5	1	5530	13	100		
6	1	5530	13	80		
7	2	5530	13	50	1569	
8	3	5530	13	55	1705	1428
9	1	5530	13	95		
10	1	5530	13	95		
11	3	5530	13	65	1767	1140
12	2	5530	13	65	1528	
13	3	5530	13	50	1952	1267
14	2	5530	13	50	1971	
15	3	5530	13	80	1959	1349
16	1	5530	13	55		
17	2	5530	13	65	1314	
18	2	5530	13	55	1729	
19	2	5530	13	75	1101	

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	5530	15	85	1276	
2	1	5530	15	100		
3	1	5530	15	50		
4	1	5530	15	95		
5	2	5530	15	100	1347	
6	2	5530	15	60	1218	
7	3	5530	15	70	1229	1887
8	2	5530	15	85	1008	

USA Bin 5 Trial #14

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
	Pulse Start (S)					
1	3	5530	5	60	1951	1373
2	2	5530	5	65	1425	
3	2	5530	5	85	1116	
4	3	5530	5	70	1006	1991
5	3	5530	5	60	1031	1736
6	3	5530	5	60	1122	1092
7	2	5530	5	100	1808	
8	3	5530	5	85	1403	1004
9	1	5530	5	100		
10	2	5530	5	70	1125	
11	3	5530	5	95	1343	1707
12	1	5530	5	85		



13	3	5530	5	80	1407	1722	8.253979
14	3	5530	5	50	1530	1053	8.995244
15	2	5530	5	90	1730		9.633856
16	1	5530	5	50			10.550346
17	3	5530	5	75	1972	1001	11.006754
18	2	5530	5	70	1436		11.619358

USA Bin 5 Trial #15

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5530	7	75	1666	0.002618
2	3	5530	7	90	1984	1.521658
3	1	5530	7	65		2.97148
4	1	5530	7	60		5.103043
5	1	5530	7	55		6.604638
6	2	5530	7	80	1947	7.91535
7	1	5530	7	65		9.137558
8	1	5530	7	100		9.545424
9	3	5530	7	85	1378	11.371794

USA Bin 5 Trial #16

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5530	20	95	1703	0.800715
2	3	5530	20	50	1030	1.108453
3	1	5530	20	75		3.18048
4	1	5530	20	50		4.228119
5	1	5530	20	100		4.985489
6	3	5530	20	85	1377	5.956703
7	2	5530	20	55	1026	6.791461
8	1	5530	20	100		7.759894
9	1	5530	20	60		9.280599
10	2	5530	20	85	1673	10.869297
11	3	5530	20	80	1562	11.554726

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	5530	14	75	1796	0.323736
2	1	5530	14	85		1.168973
3	3	5530	14	60	1278	2.315764
4	1	5530	14	65		3.112915
5	1	5530	14	70		3.540922
6	2	5530	14	95	1786	4.135118
7	3	5530	14	65	1281	5.581837
8	2	5530	14	75	1772	6.2062
9	1	5530	14	70		6.568764
10	3	5530	14	85	1010	7.975826
11	3	5530	14	90	1273	8.599144
12	2	5530	14	100	1955	8.899135
13	2	5530	14	70	1269	9.931678
14	1	5530	14	65		10.447863
15	3	5530	14	65	1485	11.808101

USA Bin 5 Trial #18

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	3	5530	16	75	1545	0.154356
2	2	5530	16	70	1600	2.295519
3	2	5530	16	65	1004	2.519011
4	2	5530	16	90	1164	4.207662
5	2	5530	16	75	1723	5.001924
6	1	5530	16	100		6.301666
7	1	5530	16	65		8.196133
8	1	5530	16	95		8.495885
9	3	5530	16	75	1442	10.36015



10	2	5530	16	85	1286		11.484224
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	13	75	1402	1510	0.350705
2	3	5530	13	60	1417	1175	1.247656
3	1	5530	13	100			1.719347
4	1	5530	13	95			2.485745
5	2	5530	13	70	1747		3.298324
6	3	5530	13	50	1883	1272	4.602115
7	3	5530	13	100	1351	1764	4.939072
8	1	5530	13	95			5.734426
9	2	5530	13	65	1915		6.814328
10	3	5530	13	55	1654	1007	7.932711
11	1	5530	13	65			8.792224
12	3	5530	13	70	1873	1875	9.056085
13	3	5530	13	75	1106	1711	9.886603
14	2	5530	13	75	1019		11.103347
15	3	5530	13	75	1481	1878	11.38021
USA Bin 5 Trial #20							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	3	5530	6	65	1262	1120	0.264032
2	2	5530	6	95	1369		1.365166
3	2	5530	6	100	1447		2.878213
4	1	5530	6	65			3.623735
5	1	5530	6	100			4.62873
6	3	5530	6	85	1966	1497	5.514143
7	1	5530	6	80			6.760837
8	3	5530	6	80	1890	1191	8.457723
9	3	5530	6	80	1612	1275	9.346277
10	2	5530	6	90	1538		10.840932
11	1	5530	6	65			11.025885
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	5564.8	8	70			0.75931
2	1	5564.8	8	75			1.425076
3	3	5564.8	8	60	1317	1177	3.178119
4	2	5564.8	8	100	1675		3.771554
5	1	5564.8	8	70			4.715338
6	1	5564.8	8	80			6.021823
7	1	5564.8	8	95			7.161893
8	1	5564.8	8	90			8.456376
9	1	5564.8	8	95			9.785133
10	2	5564.8	8	50	1397		10.816644
11	3	5564.8	8	50	1852	1678	11.234187
USA Bin 5 Trial #22							
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)	
		Pulse Start (S)					
1	3	5564	10	70	1570	1669	0.338081
2	1	5564	10	75			1.263015
3	3	5564	10	100	1886	1658	2.014083
4	3	5564	10	55	1562	1741	3.055503
5	2	5564	10	75	1877		4.244812
6	3	5564	10	50	1945	1427	4.884045
7	3	5564	10	50	1484	1798	5.571088
8	3	5564	10	85	1954	1568	6.232989
9	2	5564	10	100	1426		7.394184
10	1	5564	10	60			8.316642
11	2	5564	10	55	1836		8.584317
12	1	5564	10	95			10.036655



13	1	5564	10	90		10.842825
14	1	5564	10	80		11.189951
USA Bin 5 Trial #23						
Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	2	5563.2	12	65	1317	0.380577
2	3	5563.2	12	100	1714	1.147538
3	2	5563.2	12	65	1326	1.5278
4	3	5563.2	12	65	1680	2.016967
5	1	5563.2	12	55		3.152127
6	1	5563.2	12	85		3.530067
7	1	5563.2	12	95		4.184874
8	2	5563.2	12	80	1143	4.620585
9	2	5563.2	12	90	1017	5.288435
10	1	5563.2	12	80		5.736562
11	3	5563.2	12	70	1036	6.786765
12	1	5563.2	12	70		6.973403
13	1	5563.2	12	85		7.790378
14	2	5563.2	12	55	1745	8.604684
15	3	5563.2	12	60	1228	9.016572
16	1	5563.2	12	80		9.584826
17	2	5563.2	12	55	1817	10.50741
18	1	5563.2	12	75		10.781669
19	1	5563.2	12	55		11.933326
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	5566	5	65	1777	0.726674
2	1	5566	5	100		1.696741
3	3	5566	5	90	1892	2.645073
4	1	5566	5	80		3.487049
5	1	5566	5	70		3.836885
6	3	5566	5	80	1395	4.668368
7	2	5566	5	100	1806	5.952804
8	3	5566	5	75	1512	7.015677
9	3	5566	5	80	1952	8.166476
10	3	5566	5	50	1205	8.53288
11	1	5566	5	95		9.585746
12	2	5566	5	65	1772	10.619417
13	1	5566	5	75		11.543137
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	5563.6	11	50	1021	0.682038
2	2	5563.6	11	80	1804	2.280354
3	1	5563.6	11	100		3.424322
4	3	5563.6	11	95	1847	3.657354
5	1	5563.6	11	70		5.079143
6	3	5563.6	11	60	1027	7.093911
7	1	5563.6	11	75		7.204445
8	2	5563.6	11	85	1440	9.122368
9	3	5563.6	11	90	1238	10.31179
10	2	5563.6	11	90	1481	11.313514
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	5565.6	6	100	1463	0.498085
2	2	5565.6	6	75	1580	1.374807
3	3	5565.6	6	90	1823	3.297608
4	1	5565.6	6	50		4.794602
5	3	5565.6	6	50	1752	5.47182
6	2	5565.6	6	60	1622	6.719262



7	2	5565.6	6	65	1855		7.896184
8	3	5565.6	6	85	1016	1905	9.559685
9	2	5565.6	6	70	1890		10.480283
10	3	5565.6	6	90	1949	1578	11.402001

USA Bin 5 Trial #27

Burst #	Pulses	Frequency (MHz)	Chirp (MHz)	PW (uS)	Inter-pulse spacing (uS)	Inter-pulse spacing (uS)
		Pulse Start (S)				
1	1	5564.8	8	95		0.328232
2	1	5564.8	8	65		1.858963
3	2	5564.8	8	50	1796	3.169318
4	3	5564.8	8	85	1981	1786
5	3	5564.8	8	85	1694	1042
6	3	5564.8	8	100	1182	1875
7	1	5564.8	8	75		8.484199
8	1	5564.8	8	80		9.660844
9	2	5564.8	8	50	1343	11.12178

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	5561.2	17	70	1865	0.510797
2	3	5561.2	17	50	1073	1271
3	2	5561.2	17	90	1417	1.656067
4	1	5561.2	17	70		2.316941
5	2	5561.2	17	100	1435	3.179601
6	3	5561.2	17	85	1636	1449
7	2	5561.2	17	80	1037	4.358157
8	2	5561.2	17	55	1842	5.585762
9	3	5561.2	17	60	1036	1708
10	2	5561.2	17	65	1617	6.491368
11	1	5561.2	17	55		7.733892
12	3	5561.2	17	75	1688	1315
13	3	5561.2	17	85	1092	1871
14	1	5561.2	17	55		9.185029
15	3	5561.2	17	60	1641	1099
16	1	5561.2	17	70		10.148475
17	1	5561.2	17	95		10.680858
						11.923155

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	5563.2	12	70		0.374068
2	3	5563.2	12	85	1841	1365
3	3	5563.2	12	80	1448	1303
4	1	5563.2	12	95		1.668112
5	1	5563.2	12	65		2.136833
6	2	5563.2	12	90	1918	2.731845
7	1	5563.2	12	50		3.165772
8	3	5563.2	12	75	1433	1657
9	3	5563.2	12	70	1070	1987
10	1	5563.2	12	60		5.153458
11	3	5563.2	12	65	1596	1322
12	3	5563.2	12	100	1127	1838
13	1	5563.2	12	85		6.86094
14	3	5563.2	12	50	1481	1593
15	3	5563.2	12	90	1459	1053
16	1	5563.2	12	90		7.707673
17	1	5563.2	12	60		7.863226
18	1	5563.2	12	80		8.712816
19	3	5563.2	12	50	1539	1305
20	1	5563.2	12	65		9.18444
						9.772479
						10.447599
						11.075541
						11.534519

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	5560.8	18	80	1845		0.54112
2	3	5560.8	18	80	1837	1362	1.094031
3	3	5560.8	18	85	1765	1001	1.543854
4	2	5560.8	18	60	1546		2.833854
5	3	5560.8	18	90	1269	1608	3.461793
6	1	5560.8	18	50			4.229995
7	1	5560.8	18	70			4.951986
8	3	5560.8	18	100	1695	1857	5.78227
9	3	5560.8	18	100	1527	1455	6.67673
10	3	5560.8	18	100	1676	1365	7.254372
11	1	5560.8	18	60			7.658632
12	2	5560.8	18	55	1830		8.69101
13	2	5560.8	18	90	1551		9.39023
14	2	5560.8	18	100	1375		10.021089
15	3	5560.8	18	85	1033	1223	10.563381
16	2	5560.8	18	90	1971		11.592382

*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	93.3%	70.0%
2	USA Bin 6 Radar Test 2	1		
3	USA Bin 6 Radar Test 3	1		
4	USA Bin 6 Radar Test 4	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	0		
20	USA Bin 6 Radar Test 20	1		
21	USA Bin 6 Radar Test 21	0		
22	USA Bin 6 Radar Test 22	1		
23	USA Bin 6 Radar Test 23	1		
24	USA Bin 6 Radar Test 24	1		
25	USA Bin 6 Radar Test 25	1		
26	USA Bin 6 Radar Test 26	1		
27	USA Bin 6 Radar Test 27	1		
28	USA Bin 6 Radar Test 28	1		
29	USA Bin 6 Radar Test 29	1		
30	USA Bin 6 Radar Test 30	1		

USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
5	5536	15
15	5513	45
21	5561	63
23	5537	69
25	5542	75
35	5554	105
39	5504	117
47	5532	141
52	5546	156
53	5521	159
72	5515	216
75	5563	225
86	5500	258
90	5524	270
94	5528	282

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
6	5515	18
11	5555	33
13	5498	39
16	5531	48
21	5506	63
22	5534	66
42	5511	126
46	5544	138
47	5545	141
65	5559	195
79	5529	237
81	5564	243
91	5512	273
95	5563	285
98	5550	294

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
1	5509	3
9	5500	27
24	5548	72
32	5544	96
35	5498	105
41	5542	123
43	5564	129
47	5514	141
48	5507	144
49	5515	147
57	5492	171
59	5547	177
65	5554	195

82	5513	246
98	5534	294

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
3	5541	9
6	5495	18
11	5550	33
16	5549	48
24	5502	72
25	5551	75
52	5554	156
58	5538	174
60	5521	180
70	5537	210
73	5515	219
76	5552	228
80	5556	240
81	5561	243
92	5517	276
95	5547	285

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
5	5524	15
6	5529	18
10	5555	30
15	5503	45
27	5501	81
45	5566	135
46	5560	138
52	5556	156
62	5527	186
69	5526	207
73	5534	219
84	5567	252
94	5528	282
97	5565	291

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
9	5552	27
10	5548	30
11	5561	33
17	5535	51
25	5549	75
33	5511	99
36	5565	108
44	5524	132
45	5523	135
49	5509	147
55	5517	165

56	5508	168
58	5537	174
59	5519	177
63	5567	189
67	5525	201
70	5551	210
76	5518	228
90	5510	270
94	5568	282
96	5506	288
97	5514	291
98	5497	294

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
2	5539	6
9	5526	27
24	5557	72
31	5534	93
34	5545	102
44	5531	132
46	5546	138
48	5511	144
50	5504	150
56	5514	168
66	5506	198
82	5522	246
83	5502	249
88	5549	264
91	5564	273
96	5568	288

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
0	5535	0
6	5556	18
8	5540	24
14	5516	42
17	5518	51
33	5519	99
43	5526	129
44	5512	132
66	5505	198
76	5548	228
87	5566	261
97	5550	291

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
1	5512	3
9	5564	27
12	5532	36



14	5546	42
20	5522	60
21	5505	63
22	5521	66
23	5559	69
51	5508	153
55	5516	165
56	5557	168
67	5543	201
69	5507	207
72	5544	216
74	5555	222
83	5510	249
86	5518	258
90	5526	270
92	5552	276
98	5560	294

USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
3	5529	9
13	5534	39
16	5542	48
19	5548	57
22	5541	66
28	5562	84
41	5536	123
45	5556	135
61	5505	183
69	5512	207
74	5497	222
76	5531	228
86	5508	258
88	5540	264
96	5517	288

USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
0	5554 0	
1	5567	3
8	5506	24
9	5531	27
12	5556	36
16	5511	48
23	5549	69
37	5530	111
39	5519	117
58	5550	174
59	5553	177
61	5563	183
78	5521	234

82	5497	246
96	5520	288
98	5537	294

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
9	5515	27
18	5528	54
23	5561	69
34	5533	102
39	5505	117
40	5502	120
52	5504	156
54	5567	162
64	5563	192
75	5555	225
87	5562	261
89	5516	267
90	5554	270
94	5566	282

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
6	5513	18
15	5508	45
31	5559	93
34	5503	102
36	5537	108
46	5520	138
61	5495	183
67	5555	201
86	5542	258

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
5	5547	15
10	5516	30
12	5515	36
14	5537	42
18	5543	54
19	5497	57
23	5566	69
30	5552	90
31	5508	93
34	5506	102
39	5542	117
43	5529	129
45	5568	135
58	5513	174
65	5492	195
70	5496	210
74	5518	222

77	5514	231
82	5556	246
86	5562	258
89	5536	267
96	5510	288

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
5	5548	15
26	5533	78
27	5542	81
37	5531	111
47	5558	141
51	5564	153
52	5515	156
55	5552	165
56	5539	168
58	5502	174
59	5518	177
66	5514	198
69	5495	207
71	5504	213
74	5505	222
75	5520	225
77	5557	231
78	5500	234
93	5530	279

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
4	5493	12
10	5517	30
11	5510	33
15	5504	45
23	5518	69
32	5514	96
42	5567	126
51	5549	153
58	5525	174
65	5545	195
67	5500	201
69	5536	207
74	5532	222
77	5546	231
81	5555	243
83	5554	249
84	5550	252
85	5530	255
95	5564	285

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
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2	5540	6
6	5567	18
27	5553	81
34	5518	102
36	5565	108
41	5568	123
43	5566	129
44	5536	132
46	5526	138
57	5530	171
63	5496	189
67	5507	201
70	5537	210
84	5528	252
93	5522	279

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
6	5511	18
13	5509	39
18	5533	54
25	5519	75
27	5543	81
32	5529	96
39	5507	117
44	5541	132
58	5565	174
67	5523	201
68	5494	204
70	5528	210
85	5553	255
88	5558	264
89	5549	267
91	5501	273
94	5547	282

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
9	5499	27
11	5530	33
32	5555	96
38	5547	114
40	5540	120
41	5535	123
49	5496	147
53	5503	159
66	5524	198
79	5536	237
83	5543	249
85	5563	255
86	5529	258

92 5511 276

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
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6	5567	18
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10	5512	30
----	------	----

16	5533	48
----	------	----

24	5522	72
----	------	----

37	5518	111
----	------	-----

38	5537	114
----	------	-----

49	5535	147
----	------	-----

53	5513	159
----	------	-----

55	5558	165
----	------	-----

57	5540	171
----	------	-----

74	5520	222
----	------	-----

77	5505	231
----	------	-----

78	5541	234
----	------	-----

81	5534	243
----	------	-----

92	5527	276
----	------	-----

96	5499	288
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USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
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6	5559	18
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7	5531	21
---	------	----

14	5566	42
----	------	----

27	5532	81
----	------	----

32	5544	96
----	------	----

37	5555	111
----	------	-----

40	5499	120
----	------	-----

41	5527	123
----	------	-----

42	5515	126
----	------	-----

48	5553	144
----	------	-----

55	5513	165
----	------	-----

59	5496	177
----	------	-----

68	5512	204
----	------	-----

75	5557	225
----	------	-----

76	5504	228
----	------	-----

80	5503	240
----	------	-----

87	5551	261
----	------	-----

91	5536	273
----	------	-----

93	5511	279
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USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
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0	5518 0	
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5	5492	15
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18	5511	54
----	------	----

25	5525	75
----	------	----

42	5541	126
----	------	-----

45	5547	135
----	------	-----

47	5503	141
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52	5531	156
56	5565	168
58	5527	174
65	5517	195
67	5526	201
71	5502	213
79	5540	237
91	5556	273
94	5495	282
98	5559	294

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
2	5493	6
7	5557	21
9	5558	27
10	5515	30
13	5518	39
25	5496	75
31	5562	93
33	5540	99
34	5502	102
35	5501	105
44	5567	132
45	5547	135
48	5523	144
62	5538	186
63	5539	189
65	5527	195
70	5568	210
73	5499	219
87	5505	261
94	5524	282
99	5536	297

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
0	5511 0	
4	5540	12
15	5562	45
22	5548	66
32	5495	96
37	5521	111
41	5504	123
45	5523	135
48	5502	144
57	5543	171
58	5522	174
60	5501	180
65	5527	195
70	5544	210



76	5539	228
81	5494	243
86	5537	258

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
0	5546	0
4	5500	12
11	5543	33
19	5530	57
22	5521	66
25	5529	75
28	5558	84
48	5553	144
49	5550	147
52	5551	156
53	5538	159
59	5505	177
79	5495	237
83	5552	249
95	5518	285
99	5510	297

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
3	5541	9
6	5510	18
41	5544	123
42	5504	126
48	5542	144
53	5497	159
62	5565	186
67	5536	201
82	5528	246
85	5520	255
86	5519	258
98	5506	294

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
0	5532	0
10	5508	30
14	5566	42
22	5546	66
49	5492	147
50	5535	150
55	5545	165
57	5523	171
64	5496	192
66	5524	198
72	5531	216
83	5555	249

88	5504	264
89	5506	267
98	5505	294

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
0	5522	0
16	5563	48
21	5534	63
36	5506	108
41	5527	123
43	5533	129
49	5545	147
57	5547	171
62	5565	186
67	5543	201
72	5516	216
76	5503	228
79	5504	237
83	5523	249
88	5550	264
89	5526	267
91	5536	273

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
5	5524	15
20	5559	60
33	5497	99
41	5551	123
42	5552	126
45	5558	135
52	5567	156
56	5550	168
62	5543	186
69	5544	207
71	5553	213
75	5547	225
87	5541	261
91	5563	273

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
11	5549	33
19	5566	57
34	5550	102
36	5501	108
48	5559	144
49	5555	147
50	5558	150
57	5543	171
66	5531	198

74	5496	222
75	5509	225
79	5526	237
86	5564	258
94	5538	282
99	5562	297

USA Frequency Hopping Trial #1

Hop #	Freq (GHz)	Pulse Start (mS)
5	5536	15
15	5513	45
21	5561	63
23	5537	69
25	5542	75
35	5554	105
39	5504	117
47	5532	141
52	5546	156
53	5521	159
72	5515	216
75	5563	225
86	5500	258
90	5524	270
94	5528	282

USA Frequency Hopping Trial #2

Hop #	Freq (GHz)	Pulse Start (mS)
6	5515	18
11	5555	33
13	5498	39
16	5531	48
21	5506	63
22	5534	66
42	5511	126
46	5544	138
47	5545	141
65	5559	195
79	5529	237
81	5564	243
91	5512	273
95	5563	285
98	5550	294

USA Frequency Hopping Trial #3

Hop #	Freq (GHz)	Pulse Start (mS)
1	5509	3
9	5500	27
24	5548	72
32	5544	96
35	5498	105
41	5542	123
43	5564	129

47	5514	141
48	5507	144
49	5515	147
57	5492	171
59	5547	177
65	5554	195
82	5513	246
98	5534	294

USA Frequency Hopping Trial #4

Hop #	Freq (GHz)	Pulse Start (mS)
3	5541	9
6	5495	18
11	5550	33
16	5549	48
24	5502	72
25	5551	75
52	5554	156
58	5538	174
60	5521	180
70	5537	210
73	5515	219
76	5552	228
80	5556	240
81	5561	243
92	5517	276
95	5547	285

USA Frequency Hopping Trial #5

Hop #	Freq (GHz)	Pulse Start (mS)
5	5524	15
6	5529	18
10	5555	30
15	5503	45
27	5501	81
45	5566	135
46	5560	138
52	5556	156
62	5527	186
69	5526	207
73	5534	219
84	5567	252
94	5528	282
97	5565	291

USA Frequency Hopping Trial #6

Hop #	Freq (GHz)	Pulse Start (mS)
9	5552	27
10	5548	30
11	5561	33
17	5535	51
25	5549	75

33	5511	99
36	5565	108
44	5524	132
45	5523	135
49	5509	147
55	5517	165
56	5508	168
58	5537	174
59	5519	177
63	5567	189
67	5525	201
70	5551	210
76	5518	228
90	5510	270
94	5568	282
96	5506	288
97	5514	291
98	5497	294

USA Frequency Hopping Trial #7

Hop #	Freq (GHz)	Pulse Start (mS)
2	5539	6
9	5526	27
24	5557	72
31	5534	93
34	5545	102
44	5531	132
46	5546	138
48	5511	144
50	5504	150
56	5514	168
66	5506	198
82	5522	246
83	5502	249
88	5549	264
91	5564	273
96	5568	288

USA Frequency Hopping Trial #8

Hop #	Freq (GHz)	Pulse Start (mS)
0	5535	0
6	5556	18
8	5540	24
14	5516	42
17	5518	51
33	5519	99
43	5526	129
44	5512	132
66	5505	198
76	5548	228
87	5566	261

97 5550 291

USA Frequency Hopping Trial #9

Hop #	Freq (GHz)	Pulse Start (mS)
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1	5512	3
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9	5564	27
---	------	----

12	5532	36
----	------	----

14	5546	42
----	------	----

20	5522	60
----	------	----

21	5505	63
----	------	----

22	5521	66
----	------	----

23	5559	69
----	------	----

51	5508	153
----	------	-----

55	5516	165
----	------	-----

56	5557	168
----	------	-----

67	5543	201
----	------	-----

69	5507	207
----	------	-----

72	5544	216
----	------	-----

74	5555	222
----	------	-----

83	5510	249
----	------	-----

86	5518	258
----	------	-----

90	5526	270
----	------	-----

92	5552	276
----	------	-----

98	5560	294
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USA Frequency Hopping Trial #10

Hop #	Freq (GHz)	Pulse Start (mS)
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3	5529	9
---	------	---

13	5534	39
----	------	----

16	5542	48
----	------	----

19	5548	57
----	------	----

22	5541	66
----	------	----

28	5562	84
----	------	----

41	5536	123
----	------	-----

45	5556	135
----	------	-----

61	5505	183
----	------	-----

69	5512	207
----	------	-----

74	5497	222
----	------	-----

76	5531	228
----	------	-----

86	5508	258
----	------	-----

88	5540	264
----	------	-----

96	5517	288
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USA Frequency Hopping Trial #11

Hop #	Freq (GHz)	Pulse Start (mS)
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0	5554	0
---	------	---

1	5567	3
---	------	---

8	5506	24
---	------	----

9	5531	27
---	------	----

12	5556	36
----	------	----

16	5511	48
----	------	----

23	5549	69
----	------	----

37	5530	111
39	5519	117
58	5550	174
59	5553	177
61	5563	183
78	5521	234
82	5497	246
96	5520	288
98	5537	294

USA Frequency Hopping Trial #12

Hop #	Freq (GHz)	Pulse Start (mS)
9	5515	27
18	5528	54
23	5561	69
34	5533	102
39	5505	117
40	5502	120
52	5504	156
54	5567	162
64	5563	192
75	5555	225
87	5562	261
89	5516	267
90	5554	270
94	5566	282

USA Frequency Hopping Trial #13

Hop #	Freq (GHz)	Pulse Start (mS)
6	5513	18
15	5508	45
31	5559	93
34	5503	102
36	5537	108
46	5520	138
61	5495	183
67	5555	201
86	5542	258

USA Frequency Hopping Trial #14

Hop #	Freq (GHz)	Pulse Start (mS)
5	5547	15
10	5516	30
12	5515	36
14	5537	42
18	5543	54
19	5497	57
23	5566	69
30	5552	90
31	5508	93
34	5506	102
39	5542	117

43	5529	129
45	5568	135
58	5513	174
65	5492	195
70	5496	210
74	5518	222
77	5514	231
82	5556	246
86	5562	258
89	5536	267
96	5510	288

USA Frequency Hopping Trial #15

Hop #	Freq (GHz)	Pulse Start (mS)
5	5548	15
26	5533	78
27	5542	81
37	5531	111
47	5558	141
51	5564	153
52	5515	156
55	5552	165
56	5539	168
58	5502	174
59	5518	177
66	5514	198
69	5495	207
71	5504	213
74	5505	222
75	5520	225
77	5557	231
78	5500	234
93	5530	279

USA Frequency Hopping Trial #16

Hop #	Freq (GHz)	Pulse Start (mS)
4	5493	12
10	5517	30
11	5510	33
15	5504	45
23	5518	69
32	5514	96
42	5567	126
51	5549	153
58	5525	174
65	5545	195
67	5500	201
69	5536	207
74	5532	222
77	5546	231
81	5555	243

83	5554	249
84	5550	252
85	5530	255
95	5564	285

USA Frequency Hopping Trial #17

Hop #	Freq (GHz)	Pulse Start (mS)
2	5540	6
6	5567	18
27	5553	81
34	5518	102
36	5565	108
41	5568	123
43	5566	129
44	5536	132
46	5526	138
57	5530	171
63	5496	189
67	5507	201
70	5537	210
84	5528	252
93	5522	279

USA Frequency Hopping Trial #18

Hop #	Freq (GHz)	Pulse Start (mS)
6	5511	18
13	5509	39
18	5533	54
25	5519	75
27	5543	81
32	5529	96
39	5507	117
44	5541	132
58	5565	174
67	5523	201
68	5494	204
70	5528	210
85	5553	255
88	5558	264
89	5549	267
91	5501	273
94	5547	282

USA Frequency Hopping Trial #19

Hop #	Freq (GHz)	Pulse Start (mS)
9	5499	27
11	5530	33
32	5555	96
38	5547	114
40	5540	120
41	5535	123
49	5496	147

53	5503	159
66	5524	198
79	5536	237
83	5543	249
85	5563	255
86	5529	258
92	5511	276

USA Frequency Hopping Trial #20

Hop #	Freq (GHz)	Pulse Start (mS)
6	5567	18
10	5512	30
16	5533	48
24	5522	72
37	5518	111
38	5537	114
49	5535	147
53	5513	159
55	5558	165
57	5540	171
74	5520	222
77	5505	231
78	5541	234
81	5534	243
92	5527	276
96	5499	288

USA Frequency Hopping Trial #21

Hop #	Freq (GHz)	Pulse Start (mS)
6	5559	18
7	5531	21
14	5566	42
27	5532	81
32	5544	96
37	5555	111
40	5499	120
41	5527	123
42	5515	126
48	5553	144
55	5513	165
59	5496	177
68	5512	204
75	5557	225
76	5504	228
80	5503	240
87	5551	261
91	5536	273
93	5511	279

USA Frequency Hopping Trial #22

Hop #	Freq (GHz)	Pulse Start (mS)
0	5518	0

5	5492	15
18	5511	54
25	5525	75
42	5541	126
45	5547	135
47	5503	141
52	5531	156
56	5565	168
58	5527	174
65	5517	195
67	5526	201
71	5502	213
79	5540	237
91	5556	273
94	5495	282
98	5559	294

USA Frequency Hopping Trial #23

Hop #	Freq (GHz)	Pulse Start (mS)
2	5493	6
7	5557	21
9	5558	27
10	5515	30
13	5518	39
25	5496	75
31	5562	93
33	5540	99
34	5502	102
35	5501	105
44	5567	132
45	5547	135
48	5523	144
62	5538	186
63	5539	189
65	5527	195
70	5568	210
73	5499	219
87	5505	261
94	5524	282
99	5536	297

USA Frequency Hopping Trial #24

Hop #	Freq (GHz)	Pulse Start (mS)
0	5511	0
4	5540	12
15	5562	45
22	5548	66
32	5495	96
37	5521	111
41	5504	123
45	5523	135

48	5502	144
57	5543	171
58	5522	174
60	5501	180
65	5527	195
70	5544	210
76	5539	228
81	5494	243
86	5537	258

USA Frequency Hopping Trial #25

Hop #	Freq (GHz)	Pulse Start (mS)
0	5546 0	
4	5500	12
11	5543	33
19	5530	57
22	5521	66
25	5529	75
28	5558	84
48	5553	144
49	5550	147
52	5551	156
53	5538	159
59	5505	177
79	5495	237
83	5552	249
95	5518	285
99	5510	297

USA Frequency Hopping Trial #26

Hop #	Freq (GHz)	Pulse Start (mS)
3	5541	9
6	5510	18
41	5544	123
42	5504	126
48	5542	144
53	5497	159
62	5565	186
67	5536	201
82	5528	246
85	5520	255
86	5519	258
98	5506	294

USA Frequency Hopping Trial #27

Hop #	Freq (GHz)	Pulse Start (mS)
0	5532 0	
10	5508	30
14	5566	42
22	5546	66
49	5492	147
50	5535	150

55	5545	165
57	5523	171
64	5496	192
66	5524	198
72	5531	216
83	5555	249
88	5504	264
89	5506	267
98	5505	294

USA Frequency Hopping Trial #28

Hop #	Freq (GHz)	Pulse Start (mS)
0	5522	0
16	5563	48
21	5534	63
36	5506	108
41	5527	123
43	5533	129
49	5545	147
57	5547	171
62	5565	186
67	5543	201
72	5516	216
76	5503	228
79	5504	237
83	5523	249
88	5550	264
89	5526	267
91	5536	273

USA Frequency Hopping Trial #29

Hop #	Freq (GHz)	Pulse Start (mS)
5	5524	15
20	5559	60
33	5497	99
41	5551	123
42	5552	126
45	5558	135
52	5567	156
56	5550	168
62	5543	186
69	5544	207
71	5553	213
75	5547	225
87	5541	261
91	5563	273

USA Frequency Hopping Trial #30

Hop #	Freq (GHz)	Pulse Start (mS)
11	5549	33
19	5566	57
34	5550	102



36	5501	108
48	5559	144
49	5555	147
50	5558	150
57	5543	171
66	5531	198
74	5496	222
75	5509	225
79	5526	237
86	5564	258
94	5538	282
99	5562	297

**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	96.7%	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	1		
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	0		
15	5200	18	1	1428	1		
16	5220	18	1	1428	1		
17	5220	18	1	1428	1		
18	5220	18	1	1428	1		
19	5220	18	1	1428	1		
20	5220	18	1	1428	1		
21	5240	18	1	1428	1		
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	67	1	798	1	96.7%	60.0%
2	5175	102	1	518	1		
3	5175	74	1	718	1		
4	5175	67	1	798	1		
5	5175	102	1	518	1		
6	5180	63	1	838	1		
7	5180	67	1	798	1		
8	5180	83	1	638	1		
9	5180	99	1	538	1		
10	5180	76	1	698	1		
11	5200	89	1	598	1		
12	5200	63	1	838	1		
13	5200	81	1	658	1		
14	5200	95	1	558	1		
15	5200	61	1	878	1		
16	5220	22	1	2464	1		
17	5220	59	1	901	1		
18	5220	26	1	2051	1		
19	5220	27	1	1969	1		
20	5220	21	1	2620	1		
21	5240	93	1	571	1		
22	5240	50	1	1062	1		
23	5240	21	1	2617	1		
24	5240	66	1	803	1		
25	5240	27	1	1966	1		
26	5250	42	1	1277	1		
27	5250	20	1	2651	1		
28	5250	82	1	648	1		
29	5250	67	1	789	1		
30	5250	27	1	1971	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	58	1	918	1	93.3%	60.0%
2	5175	70	1	758	1		
3	5175	72	1	738	1		
4	5175	68	1	778	1		
5	5175	83	1	638	1		
6	5180	83	1	638	1		
7	5180	81	1	658	1		
8	5180	92	1	578	1		
9	5180	57	1	938	1		
10	5180	92	1	578	1		
11	5200	102	1	518	1		
12	5200	67	1	798	1		
13	5200	76	1	698	1		
14	5200	86	1	618	1		
15	5200	63	1	838	1		
16	5220	33	1	1613	1		
17	5220	25	1	2119	1		
18	5220	57	1	930	1		
19	5220	79	1	672	1		
20	5220	63	1	839	1		
21	5240	20	1	2693	0		
22	5240	22	1	2421	1		
23	5240	18	1	2994	0		
24	5240	28	1	1921	1		
25	5240	23	1	2327	1		
26	5250	28	1	1914	1		
27	5250	73	1	732	1		
28	5250	35	1	1512	1		
29	5250	31	1	1735	1		
30	5250	59	1	903	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	29	1.5	173	1	93.3%	60.0%
2	5175	23	2.3	195	1		
3	5175	23	1.7	208	1		
4	5175	23	1.8	157	1		
5	5175	24	1.5	190	1		
6	5180	28	1.9	170	1		
7	5180	28	1.3	193	1		
8	5180	24	1.7	209	1		
9	5180	23	2.9	210	1		
10	5180	24	4.4	150	1		
11	5200	28	1.1	180	1		
12	5200	27	3.2	217	1		
13	5200	24	2.3	225	1		
14	5200	28	4	189	0		
15	5200	28	5	150	0		
16	5220	26	2.6	190	1		
17	5220	23	4.1	215	1		
18	5220	29	2.1	162	1		
19	5220	29	1.3	174	1		
20	5220	26	4.2	214	1		
21	5240	23	3	161	1		
22	5240	27	5	227	1		
23	5240	24	1.2	216	1		
24	5240	29	1.1	223	1		
25	5240	23	2.4	218	1		
26	5250	25	2.5	227	1		
27	5250	25	4.6	218	1		
28	5250	29	1.2	230	1		
29	5250	29	4.6	178	1		
30	5250	24	3.2	208	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	17	6.1	312	1	73.3%	60.0%
2	5175	16	7.2	434	1		
3	5175	16	10	500	1		
4	5175	17	8.4	443	1		
5	5175	17	6.3	445	1		
6	5180	16	6.6	330	1		
7	5180	18	6.4	408	0		
8	5180	18	9.6	313	1		
9	5180	18	9.8	271	1		
10	5180	18	6.3	226	1		
11	5200	17	8.2	386	1		
12	5200	18	9.9	433	0		
13	5200	16	7.9	287	1		
14	5200	18	8.4	395	1		
15	5200	16	8.5	294	1		
16	5220	17	8.3	246	1		
17	5220	17	7.8	500	1		
18	5220	17	7.5	221	1		
19	5220	16	6.5	306	1		
20	5220	18	10	292	0		
21	5240	17	6.3	307	0		
22	5240	18	8.1	228	1		
23	5240	18	6.1	414	0		
24	5240	17	7.7	395	0		
25	5240	18	8.8	358	1		
26	5250	16	7	238	1		
27	5250	17	9.2	398	0		
28	5250	16	7.3	327	1		
29	5250	18	8.9	232	1		
30	5250	17	9.5	495	0		