

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5331	18	8	5327	24
7	5324	21	13	5328	39
16	5314	48	17	5326	51
45	5305	135	25	5315	75
47	5318	141	37	5321	111
53	5325	159	42	5323	126
59	5306	177	55	5302	165
80	5297	240	61	5304	183
82	5300	246	72	5341	216
86	5342	258	86	5346	258
90	5344	270	94	5308	282
98	5350	294	98	5335	294

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5318	18	5	5319	15
10	5337	30	11	5355	33
12	5312	36	16	5343	48
24	5301	72	34	5313	102
50	5307	150	36	5335	108
69	5336	207	39	5317	117
78	5297	234	45	5316	135
94	5328	282	51	5342	153
--	--	--	52	5333	156
--	--	--	54	5306	162
--	--	--	75	5350	225
			77	5353	231
			81	5309	243
			90	5323	270
			96	5347	288

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5334	3	3	5321	9
3	5301	9	7	5345	21
5	5345	15	16	5353	48
11	5354	33	20	5342	60
21	5302	63	21	5334	63
25	5337	75	24	5348	72
30	5314	90	35	5297	105
32	5321	96	36	5338	108
37	5336	111	40	5352	120
41	5319	123	45	5310	135
45	5351	135	54	5312	162
49	5326	147	61	5307	183
61	5346	183	62	5309	186
79	5332	237	64	5354	192
85	5299	255	87	5303	261
89	5322	267	91	5315	273
91	5317	273	95	5314	285
95	5325	285	--	--	--

Radio B Statistical Performance Check for 802.11a

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5292	1	758	70	1
2	5292	1	858	62	1
3	5292	1	698	76	1
4	5292	1	678	78	1
5	5292	1	598	89	1
6	5292	1	918	58	1
7	5292	1	818	65	1
8	5292	1	638	83	1
9	5292	1	718	74	1
10	5292	1	938	57	1
11	5292	1	578	92	1
12	5292	1	3066	18	1
13	5292	1	618	86	1
14	5292	1	558	95	1
15	5292	1	658	81	1
16	5292	1	972	55	1
17	5292	1	662	80	1
18	5292	1	2747	20	1
19	5292	1	1381	39	1
20	5292	1	711	75	1
21	5292	1	1609	33	1
22	5292	1	566	94	1
23	5292	1	2229	24	1
24	5292	1	1974	27	1
25	5292	1	848	63	1
26	5292	1	1016	52	1
27	5292	1	1685	32	1
28	5292	1	2018	27	1
29	5292	1	1424	38	1
30	5292	1	1158	46	1
Detection Percentage (%)					100%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5300	2.6	172	24	1
2	5300	2.8	168	29	1
3	5300	3.5	198	23	1
4	5300	4.5	223	28	1
5	5300	4.4	200	29	1
6	5300	1.0	229	26	1
7	5300	1.3	180	23	1
8	5300	5.0	206	28	1
9	5300	4.7	184	23	1
10	5300	3.0	206	27	1
11	5300	3.0	213	26	1
12	5300	1.9	179	26	1
13	5300	3.1	201	26	1
14	5300	5.0	180	25	1
15	5300	3.9	168	26	1
16	5300	2.0	182	27	1
17	5300	3.7	172	24	1
18	5300	4.6	213	27	1
19	5300	4.3	192	27	1
20	5300	1.9	191	29	1
21	5300	2.9	201	25	1
22	5300	2.1	212	29	1
23	5300	1.6	162	26	1
24	5300	2.3	174	24	1
25	5300	3.4	226	24	1
26	5300	1.6	214	26	1
27	5300	1.7	167	27	1
28	5300	3.5	196	28	1
29	5300	3.0	211	23	1
30	5300	4.7	200	27	1
Detection Percentage (%)					100%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5308	8.1	489	18	1
2	5308	9.2	294	16	1
3	5308	7.3	496	18	1
4	5308	8.2	449	17	1
5	5308	9.1	330	16	1
6	5308	7.4	310	17	1
7	5308	9.9	427	17	1
8	5308	7.8	438	17	1
9	5308	7.3	322	16	1
10	5308	8.8	326	18	1
11	5308	9.8	364	16	1
12	5308	7.3	442	16	1
13	5308	6.4	469	16	1
14	5308	9.0	450	16	1
15	5308	8.1	435	17	1
16	5308	6.3	386	16	1
17	5308	6.9	316	18	1
18	5308	7.9	431	18	1
19	5308	8.7	374	17	1
20	5308	7.6	305	17	1
21	5308	7.0	448	16	1
22	5308	7.3	298	16	1
23	5308	7.8	446	18	1
24	5308	6.0	264	18	1
25	5308	9.0	496	17	1
26	5308	6.0	361	16	1
27	5308	8.6	469	16	1
28	5308	7.8	285	18	1
29	5308	8.8	323	17	1
30	5308	6.1	315	18	1
Detection Percentage (%)					100%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5300	16.8	259	12	1
2	5300	13.0	334	12	1
3	5300	16.0	423	13	1
4	5300	15.5	271	12	1
5	5300	12.9	367	12	1
6	5300	12.1	349	13	1
7	5300	14.4	291	13	1
8	5300	13.0	257	14	1
9	5300	19.5	357	12	1
10	5300	19.9	475	13	1
11	5300	12.2	404	14	1
12	5300	17.4	313	14	1
13	5300	18.4	335	13	1
14	5300	19.8	253	14	1
15	5300	11.9	323	13	1
16	5300	14.4	488	12	1
17	5300	19.7	256	15	1
18	5300	13.2	460	16	1
19	5300	13.2	251	15	1
20	5300	12.0	336	16	1
21	5300	11.8	317	15	1
22	5300	17.4	416	14	1
23	5300	16.7	332	16	1
24	5300	15.2	472	12	1
25	5300	18.3	408	16	1
26	5300	11.1	318	15	1
27	5300	13.8	385	13	1
28	5300	15.3	386	16	1
29	5300	18.3	354	12	1
30	5300	16.3	418	12	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5299.6	1	16	5300.0	1
2	5295.2	1	17	5300.0	1
3	5296.0	1	18	5300.0	1
4	5297.6	1	19	5300.0	1
5	5299.2	1	20	5300.0	1
6	5294.4	1	21	5300.4	1
7	5295.6	1	22	5304.8	1
8	5296.8	1	23	5304.0	1
9	5298.8	1	24	5302.4	1
10	5294.0	1	25	5300.8	1
11	5300.0	1	26	5305.6	1
12	5300.0	1	27	5304.4	1
13	5300.0	1	28	5303.2	1
14	5300.0	1	29	5301.2	1
15	5300.0	1	30	5306.0	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1										
Num of Bursts = 18 Burst Interval (us)= 666667										
Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	399385	3	19	80	1935	1575	1954	399385	0	666666
2	545896	1	19	60	1417	0	0	950745	666667	1333333
3	699694	2	19	75	1437	1193	0	1651856	1333334	2000000
4	820645	2	19	70	1969	1835	0	2475131	2000001	2666667
5	495767	3	19	50	1883	1248	1885	2974702	2666668	3333334
6	485920	1	19	100	1034	0	0	3465638	3333335	4000001
7	666429	3	19	50	1289	1379	1190	4133101	4000002	4666668
8	1062726	3	19	85	1687	1293	1187	5199685	4666669	5333335
9	756480	3	19	95	1635	1321	1798	5960332	5333336	6000002
10	389642	1	19	90	1165	0	0	6354728	6000003	6666669
11	320675	1	19	95	1218	0	0	6676568	6666670	7333336
12	882131	1	19	55	1929	0	0	7559917	7333337	8000003
13	897744	1	19	95	1741	0	0	8459590	8000004	8666670
14	423201	2	19	85	1734	1721	0	8884532	8666671	9333337
15	872926	3	19	55	1429	1265	1172	9780913	9333338	10000004
16	748482	1	19	75	1065	0	0	10513261	10000005	10666671
17	632982	3	19	50	1425	1045	1281	11147308	10666672	11333338
18	591166	2	19	100	1586	1301	0	11742225	11333339	12000005
Total number of pulses in waveform = 36 *****										



Type 5 Radar Waveform_2

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	290527	1	8	50	1498	0	0	290527	0	705881
2	611410	2	8	65	1204	1397	0	903435	705882	1411763
3	957058	1	8	70	1458	0	0	1863094	1411764	2117645
4	672507	3	8	60	1538	1544	1460	2537059	2117646	2823527
5	369918	2	8	70	1147	1696	0	2911519	2823528	3529409
6	1133229	1	8	65	1126	0	0	4047591	3529410	4235291
7	706938	2	8	70	1760	1269	0	4756655	4235292	4941173
8	291774	2	8	80	1576	1955	0	5050458	4941174	5647055
9	823008	1	8	75	1587	0	0	5876997	5647056	6352937
10	688627	3	8	60	1645	1962	1810	6567211	6352938	7058819
11	1023800	2	8	85	1057	1068	0	7596428	7058820	7764701
12	666844	3	8	90	1013	1746	1972	8265397	7764702	8470583
13	253708	1	8	75	1594	0	0	8523836	8470584	9176465
14	708940	3	8	100	1612	1813	1935	9234370	9176466	9882347
15	1089559	1	8	55	1715	0	0	10329289	9882348	10588229
16	290813	1	8	75	1640	0	0	10621817	10588230	11294111
17	1067563	1	8	65	1117	0	0	11691020	11294112	11999993

Total number of pulses in waveform = 30

Type 5 Radar Waveform_3

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1154040	2	10	50	1832	1395	0	1154040	0	1499999
2	443782	3	10	80	1543	1660	1155	1601049	1500000	2999999
3	2015929	1	10	65	1388	0	0	3621336	3000000	4499999
4	2227491	3	10	75	1012	1372	1406	5850215	4500000	5999999
5	1052331	3	10	85	1909	1803	1570	6906336	6000000	7499999
6	1611229	2	10	85	1933	1759	0	8522847	7500000	8999999
7	1275060	1	10	90	1093	0	0	9801599	9000000	10499999
8	1616842	3	10	55	1068	1433	1978	11419534	10500000	11999999

Total number of pulses in waveform = 18

Type 5 Radar Waveform_4

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	507614	1	14	90	1609	0	0	507614	0	631578
2	503609	3	14	85	1534	1650	1487	1012832	631579	1263157
3	641106	3	14	80	1525	1708	1783	1658609	1263158	1894736
4	833581	1	14	75	1740	0	0	2497206	1894737	2526315
5	588075	1	14	100	1287	0	0	3087021	2526316	3157894
6	460105	2	14	85	1399	1246	0	3548413	3157895	3789473
7	461002	3	14	50	1994	1883	1325	4012060	3789474	4421052
8	1005561	1	14	60	1347	0	0	5022823	4421053	5052631
9	270304	3	14	90	1392	1301	1985	5294474	5052632	5684210
10	691789	3	14	60	1080	1431	1075	5990941	5684211	6315789
11	571845	3	14	75	1882	1818	1854	6566372	6315790	6947368
12	664217	1	14	90	1357	0	0	7236143	6947369	7578947
13	829069	1	14	85	1370	0	0	8066569	7578948	8210526
14	618864	2	14	85	1902	1167	0	8686803	8210527	8842105
15	588968	1	14	100	1820	0	0	9278840	8842106	9473684
16	208040	3	14	100	1980	1785	1925	9488700	9473685	10105263
17	641254	2	14	90	1143	1778	0	10135644	10105264	10736842
18	1069224	2	14	100	1352	1410	0	11207789	10736843	11368421
19	777657	2	14	95	1453	1282	0	11988208	11368422	12000000

Total number of pulses in waveform = 38

**Type 5 Radar Waveform_5**

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	877099	3	18	85	1704	1012	1406	877099	0	923076
2	426460	1	18	75	1563	0	0	1307681	923077	1846153
3	1142688	1	18	50	1556	0	0	2451932	1846154	2769230
4	581141	2	18	90	1781	1865	0	3034629	2769231	3692307
5	751192	3	18	95	1293	1230	1857	3789467	3692308	4615384
6	932058	2	18	55	1755	1547	0	4725905	4615385	5538461
7	1326056	3	18	100	1950	1627	1759	6055263	5538462	6461538
8	862147	2	18	85	1233	1755	0	6922746	6461539	7384615
9	1133528	3	18	70	1519	1863	1658	8059262	7384616	8307692
10	380616	1	18	60	1602	0	0	8444918	8307693	9230769
11	1389887	1	18	50	1099	0	0	9836407	9230770	10153846
12	434257	2	18	50	1784	1544	0	10271763	10153847	11076923
13	876085	3	18	70	1231	1685	1126	11151176	11076924	12000000

Total number of pulses in waveform = 27

Type 5 Radar Waveform_6

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	18127	1	6	55	1729	0	0	18127	0	749999
2	1222263	2	6	80	1463	1498	0	1242119	750000	1499999
3	762205	1	6	70	1745	0	0	2007285	1500000	2249999
4	546437	3	6	75	1582	1675	1848	2555467	2250000	2999999
5	966735	1	6	90	1476	0	0	3527307	3000000	3749999
6	507751	3	6	75	1341	1813	1937	4036534	3750000	4499999
7	586680	1	6	65	1306	0	0	4628305	4500000	5249999
8	860744	2	6	95	1977	1921	0	5490355	5250000	5999999
9	634323	3	6	75	1000	1674	1951	6128576	6000000	6749999
10	880488	2	6	95	1407	1467	0	7013689	6750000	7499999
11	693484	1	6	50	1563	0	0	7710047	7500000	8249999
12	735466	3	6	80	1067	1215	1227	8447076	8250000	8999999
13	549448	2	6	70	1796	1880	0	9000033	9000000	9749999
14	963693	3	6	75	1249	1584	1577	9967402	9750000	10499999
15	622253	1	6	80	1302	0	0	10594065	10500000	11249999
16	935459	3	6	95	1038	1629	1954	11530826	11250000	11999999

Total number of pulses in waveform = 32

Type 5 Radar Waveform_7

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	569750	3	9	80	1508	1434	1207	569750	0	857142
2	815378	2	9	50	1786	1333	0	1389277	857143	1714285
3	1012839	1	9	75	1916	0	0	2405235	1714286	2571428
4	645693	2	9	60	1013	1636	0	3052844	2571429	3428571
5	862645	2	9	95	1023	1182	0	3918138	3428572	4285714
6	672114	1	9	65	1576	0	0	4592457	4285715	5142857
7	771478	3	9	65	1648	1679	1544	5365511	5142858	6000000
8	922024	2	9	85	1052	1032	0	6292406	6000001	6857143
9	811057	2	9	75	1172	1423	0	7105547	6857144	7714286
10	631579	1	9	65	1964	0	0	7739721	7714287	8571429
11	1016835	3	9	95	1436	1748	1529	8758520	8571430	9428572
12	1442955	2	9	80	1300	1316	0	10206188	9428573	10285715
13	317720	1	9	60	1078	0	0	10526524	10285716	11142858
14	1463433	2	9	65	1058	1008	0	11991035	11142859	12000001

Total number of pulses in waveform = 27

**Type 5 Radar Waveform_8**

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	730979	3	12	85	1915	1829	1489	730979	0	1499999
2	2111529	3	12	100	1331	1197	1085	2847741	1500000	2999999
3	781972	1	12	90	1315	0	0	3633326	3000000	4499999
4	870334	3	12	90	1211	1990	1173	4504975	4500000	5999999
5	2621977	2	12	100	1388	1262	0	7131326	6000000	7499999
6	1165080	2	12	65	1515	1922	0	8299056	7500000	8999999
7	1901117	2	12	70	1013	1774	0	10203610	9000000	10499999
8	692668	2	12	70	1430	1551	0	10899065	10500000	11999999

Total number of pulses in waveform = 18

Type 5 Radar Waveform_9

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	169210	1	17	75	1221	0	0	169210	0	1499999
2	2207399	3	17	55	1225	1370	1254	2377830	1500000	2999999
3	1260532	3	17	60	1798	1418	1636	3642211	3000000	4499999
4	1090677	2	17	65	1675	1358	0	4737740	4500000	5999999
5	2498981	2	17	70	1285	1559	0	7239754	6000000	7499999
6	837320	3	17	70	1116	1790	1345	8079918	7500000	8999999
7	1687227	3	17	70	1539	1609	1939	9771396	9000000	10499999
8	1482613	2	17	55	1388	1001	0	11259096	10500000	11999999

Total number of pulses in waveform = 19

Type 5 Radar Waveform_10

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	689582	1	5	50	1090	0	0	689582	0	705881
2	650232	1	5	60	1514	0	0	1340904	705882	1411763
3	493956	2	5	90	1211	1332	0	1836374	1411764	2117645
4	766871	3	5	60	1371	1578	1069	2605788	2117646	2823527
5	501172	1	5	80	1879	0	0	3110978	2823528	3529409
6	649143	3	5	55	1297	1111	1288	3762000	3529410	4235291
7	830397	1	5	60	1717	0	0	4596093	4235292	4941173
8	828752	2	5	90	1433	1299	0	5426562	4941174	5647055
9	533260	3	5	65	1508	1513	1104	5962554	5647056	6352937
10	464387	1	5	95	1424	0	0	6431066	6352938	7058819
11	1215397	1	5	100	1869	0	0	7647887	7058820	7764701
12	319844	2	5	55	1132	1034	0	7969600	7764702	8470583
13	723237	3	5	50	1675	1298	1709	8695003	8470584	9176465
14	1052343	3	5	50	1191	1898	1529	9752028	9176466	9882347
15	448582	1	5	50	1394	0	0	10205228	9882348	10588229
16	787534	2	5	100	1409	1353	0	10994156	10588230	11294111
17	617855	1	5	65	1493	0	0	11614773	11294112	11999993

Total number of pulses in waveform = 31

**Type 5 Radar Waveform_11**

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	988160	2	19	95	1949	1162	0	988160	0	999999
2	915833	1	19	85	1895	0	0	1907104	1000000	1999999
3	184181	2	19	65	1936	1343	0	2093180	2000000	2999999
4	1733746	2	19	85	1253	1555	0	3830205	3000000	3999999
5	724714	2	19	85	1169	1706	0	4557727	4000000	4999999
6	1393214	1	19	85	1127	0	0	5953816	5000000	5999999
7	565724	1	19	90	1175	0	0	6520667	6000000	6999999
8	647420	3	19	70	1727	1957	1037	7169262	7000000	7999999
9	1358657	2	19	95	1623	1039	0	8532640	8000000	8999999
10	1446380	1	19	60	1051	0	0	9981682	9000000	9999999
11	75898	2	19	70	1502	1395	0	10058631	10000000	10999999
12	1065677	1	19	55	1389	0	0	11127205	11000000	11999999

Total number of pulses in waveform = 20

Type 5 Radar Waveform_12

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	326440	1	8	75	1513	0	0	326440	0	857142
2	1330502	1	8	90	1576	0	0	1658455	857143	1714285
3	371851	3	8	60	1335	1154	1373	2031882	1714286	2571428
4	992955	2	8	65	1340	1630	0	3028699	2571429	3428571
5	524279	3	8	75	1749	1947	1337	3555948	3428572	4285714
6	1004739	3	8	90	1894	1120	1808	4565720	4285715	5142857
7	1369041	3	8	100	1228	1270	1950	5939583	5142858	6000000
8	277724	2	8	70	1730	1853	0	6221755	6000001	6857143
9	1311840	3	8	50	1033	1423	1984	7537178	6857144	7714286
10	498136	3	8	50	1846	1320	1342	8039754	7714287	8571429
11	1303537	2	8	65	1412	1596	0	9347799	8571430	9428572
12	821423	2	8	95	1960	1260	0	10172230	9428573	10285715
13	345598	1	8	90	1188	0	0	10521048	10285716	11142858
14	854018	2	8	90	1102	1865	0	11376254	11142859	12000001

Total number of pulses in waveform = 31

Type 5 Radar Waveform_13

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	275427	3	10	60	1271	1908	1995	275427	0	1499999
2	1541286	3	10	50	1898	1278	1443	1821887	1500000	2999999
3	1351409	2	10	75	1424	1971	0	3177915	3000000	4499999
4	2758457	1	10	50	1582	0	0	5939767	4500000	5999999
5	831504	1	10	60	1432	0	0	6772853	6000000	7499999
6	1782455	3	10	90	1141	1034	1279	8556740	7500000	8999999
7	1828490	1	10	90	1696	0	0	10388684	9000000	10499999
8	1091339	3	10	95	1358	1071	1858	11481719	10500000	11999999

Total number of pulses in waveform = 17

**Type 5 Radar Waveform_14**

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1088222	3	14	95	1737	1584	1931	1088222	0	1199999
2	632577	3	14	55	1734	1000	1521	1726051	1200000	2399999
3	1726474	3	14	50	1715	1123	1272	3456780	2400000	3599999
4	323178	1	14	65	1770	0	0	3784068	3600000	4799999
5	1261622	1	14	100	1287	0	0	5047460	4800000	5999999
6	2043843	2	14	85	1856	1503	0	7092590	6000000	7199999
7	761946	1	14	60	1340	0	0	7857895	7200000	8399999
8	650723	2	14	80	1790	1832	0	8509958	8400000	9599999
9	1766217	2	14	95	1024	1880	0	10279797	9600000	10799999
10	1286830	2	14	50	1047	1144	0	11569531	10800000	11999999

Total number of pulses in waveform = 20

Type 5 Radar Waveform_15

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	569854	2	18	65	1695	1490	0	569854	0	705881
2	544735	3	18	80	1218	1490	1469	1117774	705882	1411763
3	391394	3	18	55	1674	1335	1620	1513345	1411764	2117645
4	659761	3	18	60	1274	1504	1762	2177735	2117646	2823527
5	1206276	1	18	80	1278	0	0	3388551	2823528	3529409
6	205056	3	18	95	1631	1709	1078	3594885	3529410	4235291
7	1261651	3	18	60	1030	1320	1622	4860954	4235292	4941173
8	548210	2	18	100	1664	1205	0	5413136	4941174	5647055
9	440758	2	18	55	1677	1477	0	5856763	5647056	6352937
10	1109401	1	18	80	1513	0	0	6969318	6352938	7058819
11	147333	3	18	55	1036	1037	1765	7118164	7058820	7764701
12	682560	2	18	65	1019	1368	0	7804662	7764702	8470583
13	951330	1	18	60	1738	0	0	8758269	8470584	9176465
14	1038107	2	18	90	1616	1585	0	9798114	9176466	9882347
15	159154	2	18	80	1062	1524	0	9960469	9882348	10588229
16	964961	1	18	60	1191	0	0	10928016	10588230	11294111
17	949575	1	18	60	1235	0	0	11878782	11294112	11999993

Total number of pulses in waveform = 35

Type 5 Radar Waveform_16

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1391096	2	6	90	1158	1317	0	1391096	0	1499999
2	649580	3	6	70	1311	1937	1212	2043151	1500000	2999999
3	1568095	2	6	60	1022	1054	0	3615706	3000000	4499999
4	1055522	1	6	85	1498	0	0	4673304	4500000	5999999
5	2369889	2	6	95	1555	1677	0	7044691	6000000	7499999
6	1042816	2	6	95	1718	1879	0	8090739	7500000	8999999
7	913922	1	6	90	1956	0	0	9008258	9000000	10499999
8	2395393	3	6	90	1023	1950	1789	11405607	10500000	11999999

Total number of pulses in waveform = 16



Type 5 Radar Waveform_17

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	422206	1	9	100	1491	0	0	422206	0	923076
2	1191467	2	9	100	1788	1548	0	1615164	923077	1846153
3	353361	1	9	75	1583	0	0	1971861	1846154	2769230
4	983752	2	9	65	1107	1087	0	2957196	2769231	3692307
5	1136096	3	9	75	1353	1463	1609	4095486	3692308	4615384
6	1002386	1	9	75	1281	0	0	5102297	4615385	5538461
7	870019	3	9	50	1019	1531	1960	5973597	5538462	6461538
8	636911	2	9	50	1683	1010	0	6615018	6461539	7384615
9	1346730	3	9	95	1171	1972	1386	7964441	7384616	8307692
10	866361	2	9	95	1365	1118	0	8835331	8307693	9230769
11	1092053	3	9	70	1458	1929	1752	9929867	9230770	10153846
12	923114	3	9	100	1397	1386	1117	10858120	10153847	11076923
13	670891	2	9	55	1188	1104	0	11532911	11076924	12000000

Total number of pulses in waveform = 28

Type 5 Radar Waveform_18

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	647287	3	12	50	1135	1064	1397	647287	0	666666
2	587497	3	12	65	1651	1377	1699	1276112	666667	1333333
3	753172	2	12	100	1837	1091	0	1868336	1333334	2000000
4	676272	2	12	60	1510	1287	0	2624436	2000001	2666667
5	172436	3	12	60	1576	1650	1542	3303505	2666668	3333334
6	744473	1	12	70	1014	0	0	3480709	3333335	4000001
7	774708	2	12	90	1402	1737	0	4226196	4000002	4666668
8	898908	1	12	85	1182	0	0	5004043	4666669	5333335
9	270447	1	12	100	1071	0	0	5904133	5333336	6000002
10	625580	1	12	65	1968	0	0	6175651	6000003	6666669
11	612919	1	12	60	1930	0	0	6803199	6666670	7333336
12	846548	2	12	95	1751	1020	0	7418048	7333337	8000003
13	939044	3	12	75	1124	1079	1784	8267367	8000004	8666670
14	760595	1	12	80	1972	0	0	9210398	8666671	9333337
15	585260	1	12	65	1707	0	0	9972965	9333338	10000004
16	308726	3	12	80	1966	1077	1661	10559932	10000005	10666671
17	734228	2	12	70	1075	1649	0	10873362	10666672	11333338
18		2	12	65	1706	1748	0	11610314	11333339	12000005

Total number of pulses in waveform = 34

Type 5 Radar Waveform_19

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	321531	3	17	70	1616	1216	1659	321531	0	599999
2	836840	2	17	100	1112	1895	0	1162862	600000	1199999
3	201187	1	17	70	1053	0	0	1367056	1200000	1799999
4	550488	1	17	85	1644	0	0	1918597	1800000	2399999
5	833679	2	17	70	1452	1609	0	2753920	2400000	2999999
6	496045	3	17	75	1947	1670	1654	3253026	3000000	3599999
7	723721	2	17	80	1508	1924	0	3982018	3600000	4199999
8	476849	2	17	50	1536	1310	0	4462299	4200000	4799999
9	507053	1	17	50	1668	0	0	4972198	4800000	5399999
10	763983	3	17	60	1310	1522	1769	5737849	5400000	5999999
11	429009	3	17	70	1421	1626	1712	6171459	6000000	6599999
12	643338	1	17	90	1072	0	0	6819556	6600000	7199999
13	604935	1	17	90	1600	0	0	7425563	7200000	7799999
14	748266	2	17	50	1670	1590	0	8175419	7800000	8399999
15	535008	1	17	85	1155	0	0	8713687	8400000	8999999
16	391771	2	17	80	1278	1387	0	9106613	9000000	9599999
17	627981	2	17	90	1606	1617	0	9737259	9600000	10199999
18	600409	3	17	95	1693	1369	1371	10340891	10200000	10799999
19	1030183	1	17	55	1013	0	0	11375497	10800000	11399999
20	452660	3	17	50	1678	1494	1803	11829170	11400000	11999999

Total number of pulses in waveform = 39



Type 5 Radar Waveform_20

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	178200	3	5	60	1658	1630	1554	178200	0	923076
2	1097407	1	5	55	1945	0	0	1280449	923077	1846153
3	1085422	1	5	85	1630	0	0	2367816	1846154	2769230
4	1030123	3	5	75	1854	1644	1650	3399569	2769231	3692307
5	1099518	3	5	65	1352	1877	1319	4504235	3692308	4615384
6	777925	3	5	95	1603	1827	1181	5286708	4615385	5538461
7	718545	1	5	85	1416	0	0	6009864	5538462	6461538
8	1351583	3	5	100	1909	1178	1069	7362863	6461539	7384615
9	88443	2	5	70	1555	1552	0	7455462	7384616	8307692
10	1275283	2	5	50	1976	1752	0	8733852	8307693	9230769
11	1317890	1	5	50	1249	0	0	10055470	9230770	10153846
12	265456	2	5	55	1818	1545	0	10322175	10153847	11076923
13	992396	2	5	65	2000	1073	0	11317934	11076924	12000000

Total number of pulses in waveform = 27

Type 5 Radar Waveform_21

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	107069	3	19	100	1451	1494	1922	107069	0	705881
2	1248066	2	19	75	1648	1458	0	1360002	705882	1411763
3	206624	3	19	75	1359	1993	1693	1569732	1411764	2117645
4	1047138	2	19	90	1844	1980	0	2621915	2117646	2823527
5	238001	1	19	55	1858	0	0	2863740	2823528	3529409
6	1102821	1	19	70	1721	0	0	3968419	3529410	4235291
7	455035	3	19	50	1074	1298	1738	4425175	4235292	4941173
8	945992	2	19	100	1287	1091	0	5375277	4941174	5647055
9	544173	1	19	95	1004	0	0	5921828	5647056	6352937
10	631590	3	19	60	1091	1101	1384	6554422	6352938	7058819
11	872637	1	19	95	1185	0	0	7430635	7058820	7764701
12	1014161	1	19	90	1527	0	0	8445981	7764702	8470583
13	313601	1	19	80	1388	0	0	8761109	8470584	9176465
14	1024763	2	19	90	1793	1782	0	9787260	9176466	9882347
15	445466	2	19	50	1316	1036	0	10236301	9882348	10588229
16	875194	3	19	50	1953	1568	1461	11113847	10588230	11294111
17	816247	2	19	95	1103	1027	0	11935076	11294112	11999993

Total number of pulses in waveform = 33

Type 5 Radar Waveform_22

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	871383	1	8	100	1965	0	0	871383	0	1090908
2	1005271	3	8	65	1663	1922	1382	1878619	1090909	2181817
3	425749	1	8	65	1173	0	0	2309335	2181818	3272726
4	1684580	3	8	100	1077	1489	1000	3995088	3272727	4363635
5	814088	3	8	65	1573	1038	1563	4812742	4363636	5454544
6	931166	1	8	85	1919	0	0	5748082	5454545	6545453
7	1178034	2	8	65	1453	1877	0	6928035	6545454	7636362
8	1579755	3	8	90	1376	1097	1596	8511120	7636363	8727271
9	1217530	1	8	50	1238	0	0	9732719	8727272	9818180
10	389387	3	8	95	1035	1937	1383	10123344	9818181	10909089
11	1304485	3	8	95	1374	1953	1293	11432184	10909090	11999998

Total number of pulses in waveform = 24



Type 5 Radar Waveform_23

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	424030	3	10	65	1905	1257	1319	424030	0	599999
2	254383	3	10	100	1254	1067	1126	682894	600000	1199999
3	1062140	2	10	80	1515	1554	0	1748481	1200000	1799999
4	514452	3	10	85	1646	1379	1166	2266002	1800000	2399999
5	339648	1	10	95	1214	0	0	2609841	2400000	2999999
6	475640	1	10	55	1868	0	0	3086695	3000000	3599999
7	644405	1	10	60	1342	0	0	3732968	3600000	4199999
8	496278	3	10	75	1977	1000	1835	4230588	4200000	4799999
9	738250	3	10	90	1170	1060	1049	4973650	4800000	5399999
10	843682	2	10	75	1809	1253	0	5820611	5400000	5999999
11	228838	3	10	75	1564	1985	1895	6052511	6000000	6599999
12	874533	2	10	85	1983	1132	0	6932488	6600000	7199999
13	783613	3	10	80	1352	1907	1453	7719216	7200000	7799999
14	377587	2	10	65	1097	1291	0	8101515	7800000	8399999
15	809321	3	10	85	1487	1932	1533	8913224	8400000	8999999
16	451686	2	10	85	1204	1142	0	9369862	9000000	9599999
17	594538	1	10	50	1182	0	0	9966746	9600000	10199999
18	707628	3	10	60	1485	1309	1415	10675556	10200000	10799999
19	315359	1	10	50	1864	0	0	10995124	10800000	11399999
20	690669	1	10	50	1569	0	0	11687657	11400000	11999999

Total number of pulses in waveform = 43

Type 5 Radar Waveform_24

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	960839	1	14	50	1335	0	0	960839	0	1199999
2	912638	2	14	80	1899	1496	0	1874812	1200000	2399999
3	1585975	1	14	75	1461	0	0	3464182	2400000	3599999
4	347912	2	14	85	1432	1521	0	3813555	3600000	4799999
5	1600804	2	14	50	1022	1391	0	5417312	4800000	5999999
6	1464352	1	14	70	1107	0	0	6884077	6000000	7199999
7	915653	2	14	75	1754	1515	0	7800837	7200000	8399999
8	854659	1	14	50	1605	0	0	8658765	8400000	9599999
9	1452866	1	14	95	1271	0	0	10113236	9600000	10799999
10	1562390	3	14	55	1239	1158	1276	11676897	10800000	11999999

Total number of pulses in waveform = 16

Type 5 Radar Waveform_25

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	18721	2	18	95	1253	1545	0	18721	0	923076
2	1178275	1	18	70	1403	0	0	1199794	923077	1846153
3	1433653	1	18	95	1047	0	0	2634850	1846154	2769230
4	810023	1	18	95	1232	0	0	3445920	2769231	3692307
5	666539	1	18	65	1532	0	0	4113691	3692308	4615384
6	1239800	3	18	100	1834	1855	1063	5355023	4615385	5538461
7	1082651	3	18	55	1933	1666	1869	6442426	5538462	6461538
8	89605	2	18	65	1958	1895	0	6537499	6461539	7384615
9	1008539	1	18	95	1044	0	0	7549891	7384616	8307692
10	1601089	2	18	50	1492	1839	0	9152024	8307693	9230769
11	676357	3	18	80	1276	1466	1474	9831712	9230770	10153846
12	823665	3	18	50	1916	1935	1715	10659593	10153847	11076923
13	495294	2	18	70	1548	1601	0	11160453	11076924	12000000

Total number of pulses in waveform = 25



Type 5 Radar Waveform_26

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	338841	2	6	50	1428	1028	0	551850	0	749999
2	1292352	1	6	55	1353	0	0	893147	750000	1499999
3	533393	3	6	90	1962	1274	1519	2186852	1500000	2249999
4	345925	1	6	75	1573	0	0	2725000	2250000	2999999
5	1400288	3	6	100	1842	1289	1259	3072498	3000000	3749999
6	242481	1	6	60	1361	0	0	4477176	3750000	4499999
7	1262246	2	6	80	1712	1102	0	4721018	4500000	5249999
8	364181	1	6	90	1050	0	0	5986078	5250000	5999999
9	973181	3	6	70	1942	1347	1079	6351309	6000000	6749999
10	704436	1	6	50	1847	0	0	7328858	6750000	7499999
11	211072	3	6	100	1961	1197	1554	8035141	7500000	8249999
12	1168490	1	6	70	1953	0	0	8250925	8250000	8999999
13	874529	1	6	60	1048	0	0	9421368	9000000	9749999
14	842540	1	6	90	1123	0	0	10296945	9750000	10499999
15	694689	1	6	85	1866	0	0	11140608	10500000	11249999
16	694689	3	6	65	1143	1059	1302	11837163	11250000	11999999

Total number of pulses in waveform = 28

Type 5 Radar Waveform_27

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	707365	3	9	80	1468	1759	1109	707365	0	857142
2	453088	1	9	70	1995	0	0	1164789	857143	1714285
3	941018	1	9	55	1818	0	0	2107802	1714286	2571428
4	1046179	2	9	50	1789	1756	0	3155799	2571429	3428571
5	1053669	1	9	50	1500	0	0	4213013	3428572	4285714
6	487561	1	9	65	1034	0	0	4702074	4285715	5142857
7	1267050	2	9	75	1185	1113	0	5970158	5142858	6000000
8	46959	1	9	75	1926	0	0	6019415	6000001	6857143
9	1008045	3	9	65	1962	1445	1310	7029386	6857144	7714286
10	863070	3	9	100	1370	1212	1334	7897173	7714287	8571429
11	1180728	1	9	85	1142	0	0	9081817	8571430	9428572
12	1174399	2	9	85	1283	1863	0	10257358	9428573	10285715
13	627253	1	9	70	1171	0	0	10887757	10285716	11142858
14	936707	3	9	70	1067	1584	1398	11825635	11142859	12000001

Total number of pulses in waveform = 25

Type 5 Radar Waveform_28

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	577297	2	12	75	1569	1802	0	577297	0	705881
2	386441	2	12	55	1429	1483	0	967109	705882	1411763
3	468227	3	12	80	1419	1110	1067	1438248	1411764	2117645
4	1093437	3	12	90	1206	1532	1270	2535281	2117646	2823527
5	381382	3	12	70	1913	1271	1539	2920671	2823528	3529409
6	1084282	3	12	85	1831	1004	1192	4009676	3529410	4235291
7	504257	2	12	95	1182	1368	0	4517960	4235292	4941173
8	822426	2	12	90	1070	1070	0	5342936	4941174	5647055
9	779770	1	12	55	1696	0	0	6124846	5647056	6352937
10	844045	3	12	55	1205	1651	1440	6970587	6352938	7058819
11	699639	2	12	80	1289	1379	0	7674522	7058820	7764701
12	402193	1	12	50	1177	0	0	8079383	7764702	8470583
13	745581	3	12	55	1734	1641	1372	8826141	8470584	9176465
14	1012078	1	12	50	1508	0	0	9842966	9176466	9882347
15	527204	2	12	55	1731	1383	0	10371678	9882348	10588229
16	335754	2	12	95	1221	1046	0	10710546	10588230	11294111
17	1170909	1	12	65	1330	0	0	11883722	11294112	11999993

Total number of pulses in waveform = 36

**Type 5 Radar Waveform_29**Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	377946	3	17	85	1937	1827	1491	691620	0	749999
2	1127027	1	17	95	1449	0	0	1074821	750000	1499999
3	291454	2	17	90	1259	1059	0	2203297	1500000	2249999
4	618173	3	17	100	1489	1667	1602	2497069	2250000	2999999
5	875479	3	17	65	1992	1185	1779	3120000	3000000	3749999
6	873175	2	17	80	1662	1098	0	4000435	3750000	4499999
7	392531	2	17	70	1504	1703	0	4876370	4500000	5249999
8	960257	3	17	80	1879	1493	1767	5272108	5250000	5999999
9	666201	3	17	80	1638	1236	1781	6237504	6000000	6749999
10	591786	2	17	95	1556	1382	0	6908360	6750000	7499999
11	1090322	3	17	75	1856	1212	1900	7503084	7500000	8249999
12	635615	3	17	75	1015	1645	1185	8598374	8250000	8999999
13	811836	2	17	50	1529	1613	0	9237834	9000000	9749999
14	517427	1	17	75	1563	0	0	10052812	9750000	10499999
15	993137	2	17	95	1988	1639	0	10571802	10500000	11249999
16		1	17	50	1298	0	0	11568566	11250000	11999999

Total number of pulses in waveform = 36
*******Type 5 Radar Waveform_30**Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	685103	1	5	70	1277	0	0	685103	0	1090908
2	410398	2	5	80	1784	1179	0	1096778	1090909	2181817
3	1999355	3	5	95	1213	1886	1271	3099096	2181818	3272726
4	472642	1	5	70	1005	0	0	3576108	3272727	4363635
5	1064447	2	5	50	1693	1293	0	4641560	4363636	5454544
6	1390619	1	5	90	1975	0	0	6035165	5454545	6545453
7	1325120	2	5	95	1583	1720	0	7362260	6545454	7636362
8	733602	1	5	75	1907	0	0	8099165	7636363	8727271
9	1360846	2	5	75	1553	1663	0	9461918	8727272	9818180
10	594552	1	5	50	1244	0	0	10059686	9818181	10909089
11	1697555	2	5	60	1265	1671	0	11758485	10909090	11999998

Total number of pulses in waveform = 18

Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5292	1	16	5292	1
2	5292	1	17	5292	1
3	5292	1	18	5292	1
4	5292	1	19	5292	1
5	5292	1	20	5292	1
6	5292	1	21	5292	1
7	5292	1	22	5292	1
8	5292	1	23	5292	1
9	5292	1	24	5292	1
10	5292	1	25	5292	1
11	5292	1	26	5292	1
12	5292	1	27	5292	1
13	5292	1	28	5292	1
14	5292	1	29	5292	1
15	5292	1	30	5292	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5280	3	2	5325	6
2	5293	6	4	5306	12
16	5318	48	12	5293	36
26	5304	78	16	5331	48
28	5290	84	29	5295	87
40	5319	120	31	5283	93
52	5281	156	39	5303	117
67	5328	201	41	5308	123
70	5309	210	44	5313	132
72	5333	216	49	5317	147
73	5297	219	52	5285	156
77	5321	231	64	5288	192
88	5301	264	75	5292	225
--	--	--	78	5280	234
--	--	--	82	5312	246

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5321	9	19	5285	57
17	5299	51	27	5278	81
19	5306	57	36	5324	108
27	5298	81	47	5288	141
28	5287	84	60	5333	180
37	5328	111	64	5281	192
50	5337	150	69	5311	207
59	5316	177	74	5298	222
62	5325	186	79	5296	237
66	5282	198	81	5280	243
68	5319	204	95	5279	285
72	5333	216	--	--	--
73	5304	219	--	--	--
76	5279	228	--	--	--
78	5294	234	--	--	--
84	5280	252	--	--	--

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5286	21	4	5322	12
8	5289	24	26	5278	78
10	5334	30	29	5318	87
11	5328	33	51	5282	153
15	5295	45	55	5283	165
16	5296	48	58	5300	174
17	5278	51	76	5297	228
20	5323	60	93	5292	279
38	5291	114	97	5334	291
54	5307	162	--	--	--
61	5319	183	--	--	--
62	5300	186	--	--	--
63	5332	189	--	--	--
65	5304	195	--	--	--
66	5327	198	--	--	--
74	5292	222	--	--	--
82	5308	246	--	--	--
83	5283	249	--	--	--
85	5333	255	--	--	--

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5307	9	0	5335	0
10	5325	30	5	5338	15
15	5288	45	11	5285	33
16	5315	48	27	5334	81
22	5320	66	40	5318	120
28	5337	84	45	5292	135
33	5298	99	57	5331	171
68	5314	204	58	5313	174
69	5284	207	66	5316	198
86	5338	258	73	5312	219
93	5329	279	78	5337	234
98	5316	294	91	5278	273
99	5330	297	92	5289	276

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5323	6	0	5320	0
3	5307	9	9	5282	27
21	5328	63	20	5302	60
32	5297	96	31	5285	93
37	5286	111	64	5332	192
40	5283	120	69	5279	207
41	5316	123	71	5321	213
42	5310	126	76	5299	228
48	5305	144	83	5335	249
52	5322	156	84	5293	252
59	5324	177	93	5338	279
63	5309	189	--	--	--
84	5330	252	--	--	--
85	5292	255	--	--	--
86	5304	258	--	--	--
96	5302	288	--	--	--

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Frequency (MHz)	Hopping Number	Pulse Start (ms)
0	5336	0	8	5336	24
2	5328	6	9	5315	27
6	5278	18	10	5295	30
7	5283	21	26	5329	78
11	5289	33	38	5287	114
14	5295	42	40	5311	120
19	5296	57	49	5310	147
22	5315	66	60	5308	180
53	5337	159	65	5302	195
60	5331	180	68	5290	204
62	5288	186	84	5278	252
63	5311	189	98	5338	294
77	5286	231	--	--	--
80	5334	240	--	--	--
82	5303	246	--	--	--

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5315	0	0	5287	0
11	5290	33	2	5307	6
14	5336	42	5	5283	15
20	5278	60	10	5280	30
35	5305	105	12	5336	36
36	5283	108	26	5308	78
44	5322	132	36	5324	108
50	5280	150	38	5319	114
65	5329	195	41	5300	123
73	5291	219	48	5329	144
77	5293	231	79	5296	237
91	5298	273	81	5335	243
--	--	--	82	5320	246

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5293	0	1	5295	3
3	5286	9	3	5304	9
10	5281	30	6	5292	18
24	5299	72	8	5303	24
26	5319	78	11	5290	33
30	5311	90	24	5299	72
37	5307	111	29	5287	87
41	5279	123	36	5285	108
56	5296	168	41	5298	123
60	5280	180	45	5297	135
68	5302	204	51	5310	153
71	5338	213	63	5329	189
73	5303	219	76	5284	228
80	5308	240	80	5336	240
90	5323	270	99	5296	297
96	5285	288	--	--	--
99	5304	297	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5283	18	11	5316	33
9	5305	27	16	5313	48
16	5298	48	30	5328	90
48	5296	144	33	5294	99
50	5287	150	35	5287	105
52	5331	156	44	5293	132
69	5304	207	56	5334	168
78	5300	234	57	5296	171
87	5303	261	61	5325	183
90	5308	270	72	5331	216
--	--	--	78	5314	234
--	--	--	99	5278	297

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5316	0	19	5323	57
9	5292	27	23	5305	69
17	5338	51	24	5313	72
18	5329	54	31	5324	93
20	5333	60	32	5331	96
21	5294	63	43	5314	129
49	5301	147	45	5296	135
60	5283	180	62	5335	186
75	5300	225	--	--	--
83	5291	249	--	--	--
89	5317	267	--	--	--
99	5331	297	--	--	--

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5299	21	0	5293	0
14	5314	42	3	5331	9
19	5278	57	10	5327	30
23	5297	69	22	5285	66
29	5304	87	28	5317	84
34	5295	102	31	5278	93
42	5288	126	36	5326	108
67	5321	201	37	5337	111
72	5298	216	45	5281	135
83	5336	249	52	5308	156
88	5333	264	56	5320	168
92	5307	276	72	5325	216
97	5291	291	74	5334	222
--	--	--	91	5280	273
--	--	--	92	5332	276
--	--	--	95	5319	285

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5319	15	3	5313	9
9	5332	27	14	5295	42
14	5314	42	33	5293	99
15	5312	45	34	5315	102
19	5306	57	37	5312	111
35	5283	105	46	5321	138
36	5288	108	51	5314	153
56	5289	168	55	5331	165
58	5300	174	59	5286	177
64	5307	192	70	5329	210
66	5299	198	75	5323	225
79	5293	237	93	5297	279
87	5284	261	97	5300	291
89	5331	267	99	5283	297
93	5329	279	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
15	5295	45	4	5309	12
19	5282	57	5	5323	15
34	5333	102	10	5282	30
36	5287	108	14	5289	42
49	5327	147	18	5321	54
52	5278	156	20	5327	60
55	5304	165	27	5296	81
67	5297	201	29	5290	87
73	5312	219	31	5319	93
76	5314	228	61	5301	183
78	5300	234	64	5306	192
79	5279	237	83	5318	249
85	5328	255	94	5338	282
95	5334	285	99	5291	297

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
15	5290	45	9	5337	27
18	5332	54	17	5283	51
26	5279	78	20	5297	60
28	5303	84	23	5304	69
31	5300	93	29	5330	87
56	5322	168	32	5326	96
68	5330	204	33	5322	99
76	5295	228	41	5279	123
82	5289	246	44	5317	132
84	5310	252	51	5278	153
95	5318	285	58	5290	174
96	5285	288	74	5308	222
--	--	--	95	5285	285
--	--	--	96	5318	288

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
18	5321	54	6	5317	18
28	5279	84	8	5295	24
31	5286	93	10	5336	30
37	5307	111	18	5316	54
48	5310	144	39	5290	117
51	5335	153	50	5319	150
63	5298	189	55	5325	165
66	5303	198	66	5324	198
72	5305	216	71	5285	213
75	5289	225	79	5338	237
76	5293	228	84	5298	252
77	5291	231	89	5286	267
79	5323	237	92	5335	276
82	5292	246	--	--	--
92	5334	276	--	--	--
94	5332	282	--	--	--

Radio B Radar Statistical Performance for 802.11n-HT40

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5292	1	818	65	1
2	5292	1	638	83	1
3	5292	1	918	58	1
4	5292	1	898	59	1
5	5292	1	658	81	1
6	5292	1	518	102	1
7	5292	1	758	70	1
8	5292	1	778	68	1
9	5292	1	718	74	1
10	5292	1	538	99	1
11	5292	1	678	78	1
12	5292	1	698	76	1
13	5292	1	598	89	1
14	5292	1	938	57	1
15	5292	1	878	61	1
16	5292	1	1430	37	1
17	5292	1	2217	24	1
18	5292	1	1490	36	1
19	5292	1	571	93	1
20	5292	1	1535	35	1
21	5292	1	2198	25	1
22	5292	1	947	56	1
23	5292	1	650	82	1
24	5292	1	1642	33	1
25	5292	1	1994	27	1
26	5292	1	1932	28	1
27	5292	1	1166	46	1
28	5292	1	1114	48	1
29	5292	1	1132	47	1
30	5292	1	748	71	1
Detection Percentage (%)					100%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5310	2.9	155	27	1
2	5310	1.5	169	23	1
3	5310	2.4	169	29	1
4	5310	1.7	220	29	1
5	5310	3.6	169	28	1
6	5310	3.9	214	25	1
7	5310	2.7	196	23	1
8	5310	1.1	210	27	1
9	5310	4.5	203	23	1
10	5310	2.7	211	29	1
11	5310	4.8	218	27	1
12	5310	3.6	163	25	1
13	5310	4.4	216	23	1
14	5310	2.6	189	27	1
15	5310	1.5	183	24	1
16	5310	3.1	197	27	1
17	5310	3.8	185	25	1
18	5310	2.8	213	29	1
19	5310	2.2	179	28	1
20	5310	4.2	221	24	1
21	5310	2.5	197	23	1
22	5310	3.6	150	28	1
23	5310	1.9	217	25	1
24	5310	1.0	227	27	1
25	5310	3.0	212	27	1
26	5310	4.5	181	23	1
27	5310	3.7	194	28	1
28	5310	2.3	230	24	1
29	5310	3.5	230	29	1
30	5310	4.7	226	24	1
Detection Percentage (%)					100%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5328	7.5	395	18	1
2	5328	8.5	338	16	1
3	5328	8.3	453	16	1
4	5328	6.0	279	16	1
5	5328	9.4	348	18	1
6	5328	9.5	450	16	1
7	5328	8.4	314	16	1
8	5328	9.3	494	17	1
9	5328	8.3	437	18	1
10	5328	6.4	387	16	1
11	5328	10.0	461	18	1
12	5328	8.2	330	17	1
13	5328	9.9	409	17	1
14	5328	6.5	286	16	1
15	5328	8.1	456	18	1
16	5328	9.6	367	16	1
17	5328	6.6	301	16	1
18	5328	8.6	307	18	1
19	5328	9.6	351	18	1
20	5328	7.9	430	16	1
21	5328	9.8	375	16	1
22	5328	7.5	275	17	1
23	5328	8.4	325	18	1
24	5328	10.0	354	16	1
25	5328	9.3	354	17	1
26	5328	9.5	332	17	1
27	5328	6.1	434	16	1
28	5328	8.5	282	18	1
29	5328	7.9	313	17	1
30	5328	8.1	474	16	1
Detection Percentage (%)					100%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5310	12.8	337	14	1
2	5310	20.0	334	12	1
3	5310	14.8	361	14	1
4	5310	18.8	437	14	1
5	5310	19.6	357	14	1
6	5310	18.1	498	15	1
7	5310	16.7	367	12	1
8	5310	17.6	331	16	1
9	5310	15.9	265	14	1
10	5310	15.8	468	13	1
11	5310	18.2	352	14	1
12	5310	12.2	404	13	1
13	5310	13.3	301	16	1
14	5310	15.3	422	15	1
15	5310	17.0	313	14	1
16	5310	12.1	435	13	1
17	5310	13.5	400	12	1
18	5310	18.5	461	13	1
19	5310	17.1	471	13	1
20	5310	15.3	428	13	1
21	5310	12.5	461	16	1
22	5310	11.4	253	16	1
23	5310	13.4	274	14	1
24	5310	17.4	462	16	1
25	5310	12.7	391	12	1
26	5310	12.5	457	12	1
27	5310	19.7	302	12	1
28	5310	15.7	451	13	1
29	5310	14.6	444	16	1
30	5310	11.9	372	16	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5299.6	1	16	5310.0	5299.6
2	5295.2	1	17	5310.0	5295.2
3	5296.0	1	18	5310.0	5296.0
4	5297.6	1	19	5310.0	5297.6
5	5299.2	1	20	5310.0	5299.2
6	5294.4	1	21	5320.4	5294.4
7	5295.6	1	22	5324.8	5295.6
8	5296.8	1	23	5324.0	5296.8
9	5298.8	1	24	5322.4	5298.8
10	5294.0	1	25	5320.8	5294.0
11	5310.0	1	26	5325.6	5310.0
12	5310.0	1	27	5324.4	5310.0
13	5310.0	1	28	5323.2	5310.0
14	5310.0	1	29	5321.2	5310.0
15	5310.0	1	30	5326.0	5310.0
Detection Percentage (%)					100%

Type 5 Radar Waveform_1

Num of Bursts = 19 Burst Interval (us) = 631579											
Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)	
1	575473	3	19	100	1927	1297	1443	575473	0	631578	
2	149393	3	19	95	1707	1285	1557	729533	631579	1263157	
3	1081649	3	19	100	1622	1734	1941	1815731	1263158	1894736	
4	204039	3	19	60	1133	1206	1062	2025067	1894737	2526315	
5	587742	3	19	90	1633	1996	1650	2616210	2526316	3157894	
6	842596	1	19	90	1408	0	0	3464085	3157895	3789473	
7	345314	3	19	65	1488	1828	1712	3810807	3789474	4421052	
8	778420	1	19	60	1323	0	0	4594255	4421053	5052631	
9	984052	2	19	50	1835	1077	0	5579630	5052632	5684210	
10	357235	3	19	65	1391	1910	1715	5939777	5684211	6315789	
11	881192	2	19	90	1083	1949	0	6825985	6315790	6947368	
12	386528	3	19	75	1992	1763	1129	7215545	6947369	7578947	
13	955974	1	19	80	1833	0	0	8176403	7578948	8210526	
14	533892	3	19	65	1484	1116	1328	8712128	8210527	8842105	
15	308682	3	19	80	1200	1250	1390	9024738	8842106	9473684	
16	1012208	1	19	70	1869	0	0	10040786	9473685	10105263	
17	143514	1	19	95	1976	0	0	10186169	10105264	10736842	
18	596984	3	19	65	1692	1506	1614	10785129	10736843	11368421	
19	1024489	1	19	50	1847	0	0	11814430	11368422	12000000	
Total number of pulses in waveform = 43 *****											



Type 5 Radar Waveform_2

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	585266	1	8	55	1716	0	0	585266	0	857142
2	972599	3	8	80	1272	1277	1146	1559581	857143	1714285
3	586452	1	8	75	1568	0	0	2149728	1714286	2571428
4	647944	3	8	100	1213	1474	1234	2799240	2571429	3428571
5	893123	2	8	80	1659	1762	0	3696284	3428572	4285714
6	1320913	3	8	85	1066	1501	1084	5020618	4285715	5142857
7	817295	2	8	100	1356	1205	0	5841564	5142858	6000000
8	765245	2	8	85	1379	1417	0	6609370	6000001	6857143
9	419785	1	8	75	1396	0	0	7031951	6857144	7714286
10	1279091	1	8	70	1977	0	0	8312438	7714287	8571429
11	800564	1	8	100	1407	0	0	9114979	8571430	9428572
12	1027994	1	8	95	1938	0	0	10144380	9428573	10285715
13	345164	3	8	70	1166	1208	1513	10491482	10285716	11142858
14	1230417	1	8	55	1762	0	0	11725786	11142859	12000001

Total number of pulses in waveform = 25

Type 5 Radar Waveform_3

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	596286	2	10	85	1057	1507	0	596286	0	631578
2	215587	1	10	85	1225	0	0	814437	631579	1263157
3	727306	1	10	95	1685	0	0	1542968	1263158	1894736
4	882879	3	10	85	1203	1833	1684	2427532	1894737	2526315
5	495841	2	10	75	1571	1256	0	2928093	2526316	3157894
6	836631	3	10	60	1885	1702	1014	3767551	3157895	3789473
7	321095	3	10	95	1574	1901	1184	4093247	3789474	4421052
8	567307	1	10	90	1850	0	0	4665213	4421053	5052631
9	805425	2	10	80	1009	1625	0	5472488	5052632	5684210
10	220806	3	10	65	1242	1441	1055	5695928	5684211	6315789
11	831377	2	10	60	1864	1346	0	6531043	6315790	6947368
12	619835	1	10	90	1566	0	0	7154088	6947369	7578947
13	684778	1	10	55	1500	0	0	7840432	7578948	8210526
14	575935	1	10	60	1956	0	0	8417867	8210527	8842105
15	453772	2	10	100	1257	1210	0	8873595	8842106	9473684
16	1081724	3	10	70	1919	1454	1013	9957786	9473685	10105263
17	716459	2	10	85	1928	1927	0	10678631	10105264	10736842
18	574641	3	10	95	1027	1838	1418	11257127	10736843	11368421
19	144465	2	10	65	1668	1864	0	11405875	11368422	12000000

Total number of pulses in waveform = 38

Type 5 Radar Waveform_4

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	787252	3	14	65	1420	1190	1521	787252	0	999999
2	799702	2	14	100	1584	1193	0	1591085	1000000	1999999
3	927205	2	14	60	1738	1035	0	2521067	2000000	2999999
4	1205655	2	14	65	1840	1078	0	3729495	3000000	3999999
5	445610	2	14	85	1648	1186	0	4178023	4000000	4999999
6	979793	3	14	65	1518	1510	1782	5160650	5000000	5999999
7	1406404	2	14	95	1606	1549	0	6571864	6000000	6999999
8	1142403	2	14	65	1210	1764	0	7717422	7000000	7999999
9	873856	1	14	85	1869	0	0	8594252	8000000	8999999
10	1026067	3	14	85	1100	1900	1703	9622188	9000000	9999999
11	1061207	1	14	50	1414	0	0	10688098	10000000	10999999
12	935604	3	14	80	1467	1342	1497	11625116	11000000	11999999

Total number of pulses in waveform = 26



Type 5 Radar Waveform_5

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	94268	3	18	85	1273	1257	1509	94268	0	1199999
2	1379554	2	18	60	1239	1155	0	1477861	1200000	2399999
3	1164001	1	18	90	1892	0	0	2644256	2400000	3599999
4	2116895	3	18	55	1949	1499	1100	4763043	3600000	4799999
5	82583	1	18	90	1370	0	0	4850174	4800000	5999999
6	2304347	2	18	90	1156	1001	0	7155891	6000000	7199999
7	69919	1	18	50	1155	0	0	7227967	7200000	8399999
8	1846338	1	18	95	1381	0	0	9075460	8400000	9599999
9	646436	1	18	85	1447	0	0	9723277	9600000	10799999
10	1339792	3	18	55	1716	1452	1911	11064516	10800000	11999999

Total number of pulses in waveform = 18

Type 5 Radar Waveform_6

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	24123	3	6	50	1882	1870	1326	24123	0	631578
2	904745	2	6	65	1892	1698	0	934046	631579	1263157
3	331612	3	6	60	1955	1319	1062	1269248	1263158	1894736
4	831268	2	6	75	1686	1687	0	2104842	1894737	2526315
5	481382	3	6	50	1615	1370	1252	2589597	2526316	3157894
6	930121	1	6	60	1816	0	0	3523955	3157895	3789473
7	563618	3	6	70	1008	1514	1598	4089389	3789474	4421052
8	474716	2	6	95	1572	1030	0	4568225	4421053	5052631
9	1108512	2	6	70	1763	1430	0	5679339	5052632	5684210
10	131150	3	6	60	1490	1766	1318	5813682	5684211	6315789
11	758948	3	6	85	1339	1317	1425	6577204	6315790	6947368
12	837940	1	6	65	1470	0	0	7419225	6947369	7578947
13	704346	3	6	90	1742	1631	1671	8125041	7578948	8210526
14	513644	3	6	50	1762	1169	1569	8643729	8210527	8842105
15	766758	3	6	50	1747	1025	1133	9414987	8842106	9473684
16	598982	2	6	60	1653	1013	0	10017874	9473685	10105263
17	119925	1	6	100	1790	0	0	10140465	10105264	10736842
18	1168522	1	6	90	1308	0	0	11310777	10736843	11368421
19	252215	3	6	55	1128	1103	1043	11564300	11368422	12000000

Total number of pulses in waveform = 44

Type 5 Radar Waveform_7

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	538496	2	9	85	1642	1893	0	538496	0	666666
2	180955	1	9	95	1136	0	0	722986	666667	1333333
3	1008384	1	9	60	1073	0	0	1732506	1333334	2000000
4	321611	2	9	80	1014	1455	0	2055190	2000001	2666667
5	1272604	2	9	100	1485	1241	0	3330263	2666668	3333334
6	510712	1	9	100	1441	0	0	3843701	3333335	4000001
7	305297	1	9	90	1080	0	0	4150439	4000002	4666668
8	909295	1	9	70	1707	0	0	5060814	4666669	5333335
9	476400	3	9	80	1738	1975	1269	5538921	5333336	6000002
10	533896	2	9	100	1714	1338	0	6077799	6000003	6666669
11	1154483	2	9	65	1341	1920	0	7235334	6666670	7333336
12	733778	1	9	70	1767	0	0	7972373	7333337	8000003
13	521041	2	9	60	1237	1729	0	8495181	8000004	8666670
14	489300	1	9	55	1270	0	0	8987447	8666671	9333337
15	910603	1	9	85	1653	0	0	9899320	9333338	10000004
16	646415	1	9	95	1830	0	0	10547388	10000005	10666671
17	269849	3	9	75	1387	1643	1102	10819067	10666672	11333338
18	986928	3	9	70	1034	1702	1485	11810127	11333339	12000005

Total number of pulses in waveform = 30



Type 5 Radar Waveform_8

Num of Bursts = 20

Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	515116	3	12	75	1875	1529	1021	515116	0	599999
2	125495	1	12	55	1103	0	0	645036	600000	1199999
3	823980	3	12	55	1913	1911	1143	1470119	1200000	1799999
4	916461	2	12	75	1366	1249	0	1853394	1800000	2399999
5	378308	2	12	70	1359	1067	0	2772470	2400000	2999999
6	807311	3	12	50	1837	1649	1208	3582207	3000000	3599999
7	465504	1	12	95	1729	0	0	4052405	3600000	4199999
8	221618	3	12	70	1306	1335	1612	4275752	4200000	4799999
9	769205	1	12	60	1669	0	0	5049210	4800000	5399999
10	629346	1	12	55	1201	0	0	5680225	5400000	5999999
11	517307	2	12	95	1161	1339	0	6198733	6000000	6599999
12	831493	2	12	65	1925	1442	0	7032726	6600000	7199999
13	530439	2	12	60	1462	1465	0	7566532	7200000	7799999
14	815609	2	12	90	1018	1549	0	8385068	7800000	8399999
15	583296	3	12	60	1139	1235	1655	8970931	8400000	8999999
16	154465	1	12	85	1007	0	0	9129425	9000000	9599999
17	758704	1	12	90	1809	0	0	9889136	9600000	10199999
18	730033	3	12	65	1422	1890	1871	10620978	10200000	10799999
19	480891	1	12	60	1265	0	0	11107052	10800000	11399999
20	665952	2	12	75	1273	1611	0	11774269	11400000	11999999

Total number of pulses in waveform = 39

Type 5 Radar Waveform_9

Num of Bursts = 11

Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	932868	1	17	55	1564	0	0	932868	0	1090908
2	199508	1	17	85	1683	0	0	1133940	1090909	2181817
3	1907206	1	17	50	1241	0	0	3042829	2181818	3272726
4	392345	3	17	95	1010	1100	1866	3436415	3272727	4363635
5	1389493	2	17	50	1868	1065	0	4829884	4363636	5454544
6	752626	3	17	90	1224	1299	1188	5585443	5454545	6545453
7	1978488	3	17	75	1026	1477	1711	7567642	6545454	7636362
8	164732	2	17	95	1804	1426	0	7736588	7636363	8727271
9	1087682	3	17	100	1974	1180	1413	8827500	8727272	9818180
10	1708496	1	17	80	1155	0	0	10540563	9818181	10909089
11	607535	3	17	90	1839	1482	1565	11149253	10909090	11999998

Total number of pulses in waveform = 23

Type 5 Radar Waveform_10

Num of Bursts = 9

Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1311833	2	5	100	1994	1825	0	1311833	0	1333332
2	458801	3	5	70	1858	1457	1792	1774453	1333333	2666665
3	1643380	1	5	80	1399	0	0	3422940	2666666	3999998
4	1623924	1	5	85	1751	0	0	5048263	3999999	5333331
5	520297	2	5	60	1974	1376	0	5570311	5333332	6666664
6	1636546	3	5	65	1888	1634	1273	7210207	6666665	7999997
7	1481897	3	5	50	1639	1379	1104	8696899	7999998	9333330
8	826910	1	5	55	1075	0	0	9527931	9333331	10666663
9	2194397	3	5	60	1631	1804	1381	11723403	10666664	11999996

Total number of pulses in waveform = 19



Type 5 Radar Waveform_11

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	83874	3	19	90	1008	1876	1550	83874	0	631578
2	965519	1	19	70	1775	0	0	1053827	631579	1263157
3	672868	1	19	50	1710	0	0	1728470	1263158	1894736
4	392426	3	19	55	1806	1620	1343	2122606	1894737	2526315
5	937515	3	19	75	1681	1576	1797	3064890	2526316	3157894
6	459628	1	19	60	1022	0	0	3529572	3157895	3789473
7	850343	3	19	85	1514	1052	1192	4380937	3789474	4421052
8	647668	3	19	85	1451	1616	1685	5032363	4421053	5052631
9	160889	1	19	60	1499	0	0	5198004	5052632	5684210
10	948450	1	19	65	1595	0	0	6147953	5684211	6315789
11	177125	2	19	85	1572	1244	0	6326673	6315790	6947368
12	1132321	3	19	90	1098	1541	1876	7461810	6947369	7578947
13	160963	1	19	50	1207	0	0	7627288	7578948	8210526
14	867190	2	19	95	1559	1545	0	8495685	8210527	8842105
15	595793	1	19	60	1689	0	0	9094582	8842106	9473684
16	584385	2	19	85	1867	1115	0	9680656	9473685	10105263
17	855063	2	19	50	1016	1143	0	10538701	10105264	10736842
18	590823	2	19	90	1326	1501	0	11131683	10736843	11368421
19	371239	3	19	75	1711	1809	1188	11505749	11368422	12000000

Total number of pulses in waveform = 38

Type 5 Radar Waveform_12

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	94570	3	8	55	1924	1965	1654	94570	0	1090908
2	1927980	2	8	80	1139	1908	0	2028093	1090909	2181817
3	884004	3	8	70	1755	1331	1663	2915144	2181818	3272726
4	460506	1	8	100	1540	0	0	3380399	3272727	4363635
5	1300456	2	8	90	1432	1835	0	4682395	4363636	5454544
6	1539542	1	8	65	1663	0	0	6225204	5454545	6545453
7	972544	3	8	75	1603	1079	1103	7199411	6545454	7636362
8	925350	2	8	60	1406	1285	0	8128546	7636363	8727271
9	1011256	1	8	75	1012	0	0	9142493	8727272	9818180
10	916892	1	8	80	1424	0	0	10060397	9818181	10909089
11	1200854	3	8	60	1583	1082	1072	11262675	10909090	11999998

Total number of pulses in waveform = 22

Type 5 Radar Waveform_13

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	473704	2	10	80	1675	1235	0	473704	0	1199999
2	1315360	3	10	75	1551	1708	1055	1791974	1200000	2399999
3	1091921	3	10	50	1413	1917	1849	2888209	2400000	3599999
4	1227850	2	10	65	1686	1920	0	4121238	3600000	4799999
5	787612	3	10	70	1425	1731	1295	4912456	4800000	5999999
6	2117296	2	10	70	1290	1641	0	7034203	6000000	7199999
7	215304	1	10	85	1238	0	0	7252438	7200000	8399999
8	1193914	3	10	60	1060	1352	1977	8447590	8400000	9599999
9	2048474	3	10	75	1388	1791	1711	10500453	9600000	10799999
10	1037291	2	10	100	1548	1826	0	11542634	10800000	11999999

Total number of pulses in waveform = 24



Type 5 Radar Waveform_14

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	556478	3	14	60	1783	1478	1222	556478	0	599999
2	151685	2	14	55	1727	1619	0	712646	600000	1199999
3	610138	3	14	75	1162	1123	1114	1326130	1200000	1799999
4	560272	2	14	85	1934	1138	0	1889801	1800000	2399999
5	1097572	3	14	85	1502	1991	1298	2990445	2400000	2999999
6	596380	1	14	65	1911	0	0	3591616	3000000	3599999
7	356555	2	14	100	1169	1066	0	3950082	3600000	4199999
8	786019	1	14	95	1393	0	0	4738336	4200000	4799999
9	187802	3	14	60	1735	1766	1358	4927531	4800000	5399999
10	588194	3	14	75	1315	1264	1262	5520684	5400000	5999999
11	712311	1	14	75	1191	0	0	6236726	6000000	6599999
12	790648	3	14	100	1936	1802	1147	7028665	6600000	7199999
13	412184	3	14	55	1247	1271	1839	7445634	7200000	7799999
14	376407	1	14	60	1264	0	0	7826398	7800000	8399999
15	900182	2	14	55	1862	1022	0	8727844	8400000	8999999
16	548494	1	14	75	1440	0	0	9279222	9000000	9599999
17	468278	2	14	60	1401	1570	0	9738940	9600000	10199999
18	524696	3	14	60	1852	1364	1779	10266607	10200000	10799999
19	822018	1	14	85	1903	0	0	11093620	10800000	11399999
20	517215	3	14	90	1034	1739	1635	11612738	11400000	11999999

Total number of pulses in waveform = 43

Type 5 Radar Waveform_15

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	85561	3	18	100	1572	1613	1874	85561	0	666666
2	616006	3	18	65	1434	1962	1580	706626	666667	1333333
3	737068	3	18	75	1131	1063	1502	1448670	1333334	2000000
4	904286	1	18	100	1454	0	0	2356652	2000001	2666667
5	647536	3	18	55	1362	1976	1702	3005642	2666668	3333334
6	729150	1	18	65	1349	0	0	3739832	3333335	4000001
7	406617	1	18	55	1009	0	0	4147798	4000002	4666668
8	775317	1	18	90	1522	0	0	4924124	4666669	5333335
9	722127	2	18	95	1190	1751	0	5647773	5333336	6000002
10	815019	1	18	65	1725	0	0	6465733	6000003	6666669
11	721768	3	18	60	1087	1580	1238	7189226	6666670	7333336
12	220913	3	18	60	1129	1928	1589	7414044	7333337	8000003
13	977077	3	18	95	1844	1537	1565	8395767	8000004	8666670
14	282359	3	18	90	1760	1937	1238	8683072	8666671	9333337
15	922020	1	18	50	1486	0	0	9610027	9333338	10000004
16	1025163	2	18	55	1006	1571	0	10636676	10000005	10666671
17	180323	3	18	60	1710	1846	1861	10819576	10666672	11333338
18	921301	3	18	50	1019	1520	1085	11746294	11333339	12000005

Total number of pulses in waveform = 40

Type 5 Radar Waveform_16

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	76873	2	6	70	1909	1914	0	76873	0	857142
2	1627168	3	6	95	1018	1822	1029	1707864	857143	1714285
3	76967	1	6	65	1415	0	0	1788700	1714286	2571428
4	1159064	1	6	100	1503	0	0	2949179	2571429	3428571
5	1303274	3	6	100	1201	1453	1034	4253956	3428572	4285714
6	809898	1	6	90	1736	0	0	5067542	4285715	5142857
7	420850	2	6	100	1950	1728	0	5490128	5142858	6000000
8	1018153	1	6	95	1619	0	0	6511959	6000001	6857143
9	517109	1	6	85	1219	0	0	7030687	6857144	7714286
10	1055098	2	6	60	1860	1357	0	8087004	7714287	8571429
11	1244124	1	6	85	1754	0	0	9334345	8571430	9428572
12	859581	1	6	65	1588	0	0	10195680	9428573	10285715
13	582843	3	6	80	1833	1613	1152	10780111	10285716	11142858
14	745447	1	6	85	1085	0	0	11530156	11142859	12000001

Total number of pulses in waveform = 23

**Type 5 Radar Waveform_17**

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1003727	2	9	95	1151	1019	0	1003727	0	1199999
2	1121704	3	9	65	1203	1096	1790	2127601	1200000	2399999
3	368959	1	9	90	1405	0	0	2500649	2400000	3599999
4	1901195	2	9	80	1911	1012	0	4403249	3600000	4799999
5	1475702	3	9	95	1904	1389	1349	5881874	4800000	5999999
6	722395	3	9	85	1371	1387	1221	6608911	6000000	7199999
7	1775362	3	9	95	1794	1404	1624	8388252	7200000	8399999
8	389583	1	9	70	1616	0	0	8782657	8400000	9599999
9	1797844	1	9	95	1575	0	0	10582117	9600000	10799999
10	548718	3	9	50	1024	1237	1734	11132410	10800000	11999999

Total number of pulses in waveform = 22

Type 5 Radar Waveform_18

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	791152	3	12	85	1094	1465	1682	791152	0	1090908
2	738401	2	12	90	1605	1254	0	1533794	1090909	2181817
3	838001	1	12	90	1142	0	0	2374654	2181818	3272726
4	1066892	2	12	70	1160	1223	0	3442688	3272727	4363635
5	1049393	1	12	60	1167	0	0	4494464	4363636	5454544
6	1434820	2	12	90	1025	1182	0	5930451	5454545	6545453
7	727154	2	12	60	1172	1579	0	6659812	6545454	7636362
8	2053940	3	12	50	1793	1770	1754	8716503	7636363	8727271
9	822369	3	12	95	1174	1305	1918	9544189	8727272	9818180
10	414757	1	12	50	1891	0	0	9963343	9818181	10909089
11	953573	2	12	55	1619	1414	0	10918807	10909090	11999998

Total number of pulses in waveform = 22

Type 5 Radar Waveform_19

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	65449	3	17	70	1146	1821	1641	65449	0	749999
2	775655	3	17	70	1144	1746	1424	845712	750000	1499999
3	1308264	1	17	85	1240	0	0	2158290	1500000	2249999
4	337120	1	17	90	1775	0	0	2496650	2250000	2999999
5	707833	3	17	65	1416	1009	1577	3206258	3000000	3749999
6	726531	2	17	85	1003	1736	0	3936791	3750000	4499999
7	1014908	3	17	55	1587	1372	1049	4954438	4500000	5249999
8	1004324	1	17	100	1860	0	0	5962770	5250000	5999999
9	484966	1	17	75	1611	0	0	6449596	6000000	6749999
10	786541	1	17	55	1420	0	0	7237748	6750000	7499999
11	688454	2	17	80	1747	1858	0	7927622	7500000	8249999
12	393646	2	17	50	1867	1570	0	8324873	8250000	8999999
13	1242135	1	17	60	1609	0	0	9570445	9000000	9749999
14	339228	1	17	80	1202	0	0	9911282	9750000	10499999
15	1037029	2	17	95	1176	1188	0	10949513	10500000	11249999
16	486847	3	17	90	1674	1950	1431	11438724	11250000	11999999

Total number of pulses in waveform = 30

**Type 5 Radar Waveform_20**

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1170345	3	5	70	1902	1732	1565	1170345	0	1499999
2	1282045	3	5	95	1285	1165	1573	2457589	1500000	2999999
3	1138066	1	5	90	1417	0	0	3599678	3000000	4499999
4	1967296	1	5	90	1705	0	0	5568391	4500000	5999999
5	648208	1	5	85	1016	0	0	6218304	6000000	7499999
6	2563558	2	5	60	1932	1210	0	8782878	7500000	8999999
7	1697050	2	5	80	1873	1840	0	10483070	9000000	10499999
8	98754	3	5	70	1040	1045	1621	10585537	10500000	11999999

Total number of pulses in waveform = 16

Type 5 Radar Waveform_21

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	580995	2	19	90	1401	1635	0	580995	0	999999
2	559381	3	19	50	1497	1584	1403	1143412	1000000	1999999
3	1364088	1	19	50	1918	0	0	2511984	2000000	2999999
4	1061610	2	19	70	1440	1432	0	3575512	3000000	3999999
5	507905	1	19	90	1155	0	0	4086289	4000000	4999999
6	1882320	2	19	70	1109	1289	0	5969764	5000000	5999999
7	200687	2	19	80	1427	1592	0	6172849	6000000	6999999
8	892626	3	19	85	1404	1343	1745	7068494	7000000	7999999
9	1368167	3	19	80	1672	1269	1346	8441153	8000000	8999999
10	1465228	2	19	70	1717	1243	0	9910668	9000000	9999999
11	399637	3	19	100	1572	1546	1276	10313265	10000000	10999999
12	1504997	3	19	70	1957	1759	1089	11822656	11000000	11999999

Total number of pulses in waveform = 27

Type 5 Radar Waveform_22

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	607677	1	8	70	1896	0	0	607677	0	999999
2	844368	2	8	95	1343	1211	0	1453941	1000000	1999999
3	949034	3	8	50	1682	1290	1810	2405529	2000000	2999999
4	1374892	2	8	85	1441	1583	0	3785203	3000000	3999999
5	963443	1	8	100	1804	0	0	4751670	4000000	4999999
6	458443	3	8	90	1834	1632	1017	5211917	5000000	5999999
7	1634080	2	8	55	1395	1995	0	6850480	6000000	6999999
8	763263	3	8	80	1033	1951	1753	7617133	7000000	7999999
9	512724	2	8	100	1253	1860	0	8134594	8000000	8999999
10	1812703	3	8	90	1043	1617	1354	9950410	9000000	9999999
11	803957	1	8	95	1685	0	0	10758381	10000000	10999999
12	1213892	1	8	55	1967	0	0	11973958	11000000	11999999

Total number of pulses in waveform = 24

**Type 5 Radar Waveform_23**

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	712670	1	10	50	1865	0	0	712670	0	923076
2	550347	1	10	75	1921	0	0	1264882	923077	1846153
3	1310354	2	10	70	1810	1549	0	2577157	1846154	2769230
4	1026656	1	10	60	1829	0	0	3607172	2769231	3692307
5	393119	3	10	75	1108	1927	1409	4002120	3692308	4615384
6	806159	3	10	50	1371	1955	1440	4812723	4615385	5538461
7	1530965	2	10	65	1480	1520	0	6348454	5538462	6461538
8	939023	1	10	55	1876	0	0	7290477	6461539	7384615
9	958433	3	10	95	1416	1526	1733	8250786	7384616	8307692
10	735273	2	10	65	1928	1641	0	8990734	8307693	9230769
11	865238	3	10	65	1115	1957	1034	9859541	9230770	10153846
12	477306	1	10	95	1642	0	0	10340953	10153847	11076923
13	1205534	3	10	95	1792	1256	1906	11548129	11076924	12000000

Total number of pulses in waveform = 26

Type 5 Radar Waveform_24

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	821065	3	14	60	1954	1609	1209	821065	0	923076
2	655735	3	14	80	1079	1125	1534	1481572	923077	1846153
3	734684	3	14	95	1392	1951	1591	2219994	1846154	2769230
4	593943	3	14	80	1080	1728	1785	2818871	2769231	3692307
5	1400754	2	14	50	1503	1848	0	4224218	3692308	4615384
6	986441	1	14	70	1499	0	0	5214010	4615385	5538461
7	688269	3	14	70	1405	1802	1555	5903778	5538462	6461538
8	1026984	3	14	70	1947	1882	1008	6935524	6461539	7384615
9	649755	1	14	70	1982	0	0	7590116	7384616	8307692
10	1282299	3	14	65	1755	1110	1106	8874397	8307693	9230769
11	838221	2	14	55	1679	1833	0	9716589	9230770	10153846
12	1312561	2	14	85	1716	1768	0	11032662	10153847	11076923
13	609717	1	14	75	1662	0	0	11645863	11076924	12000000

Total number of pulses in waveform = 30

Type 5 Radar Waveform_25

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	24118	1	18	55	1751	0	0	24118	0	1090908
2	1909731	2	18	80	1295	1470	0	1935600	1090909	2181817
3	750160	1	18	85	1297	0	0	2688525	2181818	3272726
4	1529810	1	18	100	1839	0	0	4219632	3272727	4363635
5	303804	2	18	90	1682	1495	0	4525275	4363636	5454544
6	1294925	3	18	75	1053	1747	1668	5823377	5454545	6545453
7	1231275	3	18	50	1162	1342	1429	7059120	6545454	7636362
8	793528	3	18	85	1296	1956	1106	7856581	7636363	8727271
9	1351272	2	18	80	1377	1914	0	9212211	8727272	9818180
10	778173	1	18	75	1100	0	0	9993675	9818181	10909089
11	1111682	1	18	100	1005	0	0	11106457	10909090	11999998

Total number of pulses in waveform = 20



Type 5 Radar Waveform_26

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	394885	1	6	95	1388	0	0	394885	0	1199999
2	1095372	3	6	95	1524	1690	1217	1491645	1200000	2399999
3	1277667	1	6	80	1047	0	0	2773743	2400000	3599999
4	1615682	3	6	60	1219	1378	1573	4390472	3600000	4799999
5	1369490	1	6	75	1506	0	0	5764132	4800000	5999999
6	324430	2	6	50	1152	1186	0	6090068	6000000	7199999
7	1418304	1	6	90	1570	0	0	7510710	7200000	8399999
8	1683651	3	6	95	1123	1331	1779	9195931	8400000	9599999
9	640564	1	6	80	1783	0	0	9840728	9600000	10799999
10	1875585	3	6	85	1712	1705	1993	11718096	10800000	11999999

Total number of pulses in waveform = 19

Type 5 Radar Waveform_27

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	305091	2	9	75	1775	1773	0	305091	0	666666
2	380701	1	9	80	1732	0	0	689340	666667	1333333
3	867283	1	9	95	1207	0	0	1558355	1333334	2000000
4	474251	2	9	95	1153	1606	0	2033813	2000001	2666667
5	856823	3	9	65	1015	1112	1129	2893395	2666668	3333334
6	838897	2	9	80	1208	1337	0	3735548	3333335	4000001
7	415329	3	9	100	1273	1312	1545	4153422	4000002	4666668
8	811477	3	9	50	1593	1044	1587	4969029	4666669	5333335
9	429120	3	9	75	1963	1850	1991	5402373	5333336	6000002
10	1141121	2	9	100	1086	1660	0	6549298	6000003	6666669
11	379997	2	9	70	1814	1286	0	6932041	6666670	7333336
12	713342	2	9	75	1556	1973	0	7648483	7333337	8000003
13	534402	2	9	100	1557	1483	0	8186414	8000004	8666670
14	641338	2	9	55	1845	1537	0	8830792	8666671	9333337
15	582175	2	9	100	1135	1600	0	9416349	9333338	10000004
16	1189278	3	9	55	1288	1027	1057	10608362	10000005	10666671
17	93639	2	9	65	1649	1330	0	10705373	10666672	11333338
18	1088881	3	9	95	1135	1768	1430	11797233	11333339	12000005

Total number of pulses in waveform = 40

Type 5 Radar Waveform_28

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	459768	2	12	100	1138	1022	0	459768	0	666666
2	679073	2	12	100	1179	1435	0	1141001	666667	1333333
3	264610	3	12	70	1344	1368	1512	1408225	1333334	2000000
4	907289	1	12	75	1449	0	0	2319738	2000001	2666667
5	998209	3	12	100	1190	1624	1108	3319395	2666668	3333334
6	605713	1	12	100	1695	0	0	3929031	3333335	4000001
7	610562	1	12	90	1232	0	0	4541288	4000002	4666668
8	159019	2	12	55	1644	1235	0	4701539	4666669	5333335
9	1170758	3	12	100	1772	1216	1384	5875176	5333336	6000002
10	190781	2	12	75	1432	1659	0	6070329	6000003	6666669
11	693679	2	12	95	1003	1439	0	6767099	6666670	7333336
12	960709	2	12	80	1832	1769	0	7730250	7333337	8000003
13	627215	2	12	75	1741	1226	0	8361066	8000004	8666670
14	615605	3	12	70	1336	1865	1229	8979638	8666671	9333337
15	726905	1	12	65	1867	0	0	9710973	9333338	10000004
16	862544	3	12	85	1985	1017	1225	10575384	10000005	10666671
17	345658	2	12	95	1342	1213	0	10925269	10666672	11333338
18	624896	2	12	90	1493	1227	0	11552720	11333339	12000005

Total number of pulses in waveform = 37



Type 5 Radar Waveform_29

Num of Bursts = 14
Burst Interval (us) = 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	381017	1	17	100	1134	0	0	381017	0	857142
2	667418	3	17	65	1299	1243	1785	1049569	857143	1714285
3	740067	1	17	95	1392	0	0	1793963	1714286	2571428
4	895740	2	17	55	1896	1749	0	2691095	2571429	3428571
5	1298756	1	17	95	1599	0	0	3993496	3428572	4285714
6	423890	1	17	55	1417	0	0	4418985	4285715	5142857
7	1023715	3	17	65	1582	1229	1077	5444117	5142858	6000000
8	621860	2	17	80	1401	1927	0	6069865	6000001	6857143
9	833980	2	17	80	1316	1954	0	6907173	6857144	7714286
10	850648	1	17	100	1497	0	0	7761091	7714287	8571429
11	1460467	1	17	50	1537	0	0	9223055	8571430	9428572
12	568759	3	17	50	1225	1591	1053	9793351	9428573	10285715
13	812551	3	17	50	1076	1510	1193	10609771	10285716	11142858
14	606657	2	17	100	1641	1275	0	11220207	11142859	12000001

Total number of pulses in waveform = 26

Type 5 Radar Waveform_30

Num of Bursts = 20
Burst Interval (us) = 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	116798	2	5	80	1983	1484	0	116798	0	599999
2	693789	2	5	75	1110	1244	0	814054	600000	1199999
3	779318	1	5	80	1146	0	0	1595726	1200000	1799999
4	483701	2	5	90	1943	1029	0	2080573	1800000	2399999
5	480190	2	5	50	1905	1015	0	2563735	2400000	2999999
6	683829	2	5	100	1242	1547	0	3250484	3000000	3599999
7	673423	3	5	60	1182	1780	1938	3926696	3600000	4199999
8	302077	2	5	90	1958	1900	0	4233673	4200000	4799999
9	1024751	1	5	75	1129	0	0	5262282	4800000	5399999
10	685975	1	5	70	1139	0	0	5949386	5400000	5999999
11	226693	2	5	100	1255	1412	0	6177218	6000000	6599999
12	865699	1	5	100	1762	0	0	7045584	6600000	7199999
13	284409	2	5	90	1229	1682	0	7331755	7200000	7799999
14	876007	2	5	95	1686	1816	0	8210673	7800000	8399999
15	539743	1	5	60	1574	0	0	8753918	8400000	8999999
16	630091	2	5	100	1628	1066	0	9385583	9000000	9599999
17	462185	3	5	100	1992	1449	1069	9850482	9600000	10199999
18	525930	1	5	65	1796	0	0	10380922	10200000	10799999
19	661931	1	5	55	1010	0	0	11044649	10800000	11399999
20	702242	3	5	75	1664	1619	1193	11747901	11400000	11999999

Total number of pulses in waveform = 36

Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5327	1	16	5327	1
2	5327	1	17	5327	1
3	5327	1	18	5327	1
4	5327	1	19	5327	1
5	5327	1	20	5327	1
6	5327	1	21	5327	1
7	5327	1	22	5327	1
8	5327	1	23	5327	1
9	5327	1	24	5327	1
10	5327	1	25	5327	1
11	5327	1	26	5327	1
12	5327	1	27	5327	1
13	5327	1	28	5327	1
14	5327	1	29	5327	1
15	5327	1	30	5327	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
9	5333	27	7	5302	21
11	5324	33	10	5320	30
17	5346	51	39	5318	117
42	5305	126	40	5305	120
44	5350	132	52	5355	156
51	5325	153	54	5347	162
53	5323	159	72	5324	216
70	5320	210	86	5299	258
90	5301	270	95	5328	285
93	5337	279	98	5342	294
95	5314	285	--	--	--
98	5357	294	--	--	--

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5332	15	1	5356	3
15	5341	45	6	5339	18
34	5302	102	9	5346	27
38	5311	114	15	5349	45
40	5334	120	17	5332	51
53	5313	159	25	5340	75
59	5319	177	29	5325	87
69	5331	207	32	5314	96
79	5325	237	36	5331	108
99	5301	297	52	5343	156
--	--	--	55	5355	165
--	--	--	56	5350	168
--	--	--	73	5353	219
--	--	--	76	5304	228
--	--	--	78	5306	234
--	--	--	86	5330	258
--	--	--	90	5301	270

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5334	30	8	5343	24
17	5325	51	14	5335	42
18	5307	54	17	5309	51
30	5319	90	25	5348	75
32	5308	96	37	5341	111
33	5315	99	39	5299	117
34	5324	102	42	5304	126
36	5356	108	44	5305	132
53	5306	159	50	5326	150
54	5311	162	62	5328	186
69	5348	207	63	5336	189
85	5332	255	77	5312	231
92	5331	276	81	5329	243
97	5323	291	97	5319	291
98	5300	294	--	--	--
99	5327	297	--	--	--

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5338	15	3	5310	9
38	5351	114	4	5318	12
44	5323	132	9	5355	27
45	5319	135	10	5323	30
65	5308	195	21	5327	63
68	5312	204	22	5340	66
80	5348	240	34	5351	102
82	5336	246	43	5302	129
98	5349	294	44	5319	132
--	--	--	47	5304	141
--	--	--	54	5337	162
--	--	--	57	5316	171
--	--	--	58	5300	174
--	--	--	85	5312	255
--	--	--	88	5341	264

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5311	12	11	5333	33
10	5342	30	16	5326	48
16	5301	48	19	5298	57
18	5334	54	21	5343	63
35	5336	105	27	5320	81
40	5308	120	38	5345	114
42	5347	126	48	5352	144
43	5354	129	68	5349	204
77	5306	231	74	5355	222
87	5357	261	82	5342	246
96	5298	288	88	5330	264
--	--	--	98	5309	294
--	--	--	--	--	--

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5306	9	11	5355	33
9	5343	27	14	5337	42
11	5313	33	21	5331	63
12	5322	36	44	5352	132
32	5307	96	51	5353	153
50	5331	150	66	5304	198
60	5345	180	69	5357	207
61	5350	183	76	5300	228
70	5349	210	--	--	--
81	5354	243	--	--	--
88	5329	264	--	--	--
89	5334	267	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5353	0	0	5336	0
19	5301	57	7	5325	21
22	5320	66	19	5304	57
25	5328	75	31	5312	93
30	5327	90	36	5339	108
43	5337	129	54	5298	162
47	5309	141	63	5356	189
56	5302	168	77	5354	231
57	5335	171	86	5306	258
61	5347	183	90	5303	270
72	5322	216	97	5311	291
78	5306	234	99	5332	297
83	5334	249	--	--	--
92	5321	276	--	--	--
96	5310	288	--	--	--
98	5346	294	--	--	--
99	5349	297	--	--	--

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5322	18	3	5315	9
15	5298	45	6	5339	18
16	5342	48	7	5312	21
22	5336	66	9	5314	27
30	5339	90	16	5355	48
36	5310	108	21	5300	63
61	5341	183	23	5305	69
64	5308	192	32	5322	96
65	5346	195	33	5302	99
71	5343	213	41	5324	123
77	5356	231	49	5356	147
86	5331	258	52	5338	156
--	--	--	61	5325	183
--	--	--	67	5318	201
--	--	--	69	5299	207
--	--	--	80	5333	240
--	--	--	82	5308	246

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5349	3	1	5315	3
7	5334	21	3	5353	9
21	5309	63	4	5338	12
45	5306	135	6	5356	18
52	5300	156	7	5357	21
55	5299	165	34	5351	102
67	5325	201	52	5337	156
70	5357	210	54	5322	162
74	5323	222	57	5323	171
83	5354	249	65	5309	195
90	5302	270	70	5336	210
94	5347	282	75	5348	225
99	5316	297	78	5335	234
--	--	--	86	5314	258
			89	5316	267

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
15	5300	45	9	5307	27
31	5322	93	25	5352	75
42	5353	126	33	5309	99
46	5337	138	40	5320	120
60	5331	180	45	5347	135
63	5326	189	55	5301	165
66	5356	198	67	5326	201
83	5341	249	76	5314	228
86	5303	258	85	5357	255
--	--	--	86	5354	258
--	--	--	91	5315	273

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5342	0	5	5337	15
5	5298	15	7	5307	21
6	5322	18	19	5354	57
9	5328	27	21	5353	63
23	5301	69	24	5340	72
29	5329	87	46	5319	138
34	5325	102	56	5350	168
57	5348	171	57	5306	171
64	5336	192	58	5330	174
76	5353	228	59	5325	177
82	5335	246	60	5335	180
89	5330	267	71	5329	213
--	--	--	78	5316	234
--	--	--	85	5331	255
--	--	--	87	5298	261
--	--	--	89	5356	267
--	--	--	91	5355	273
--	--	--	94	5342	282
--	--	--	96	5304	288
--	--	--	97	5347	291

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5298	6	3	5341	9
9	5326	27	14	5313	42
18	5300	54	33	5299	99
21	5354	63	39	5328	117
24	5323	72	43	5302	129
56	5330	168	45	5325	135
64	5351	192	64	5309	192
70	5353	210	66	5311	198
96	5357	288	75	5333	225
97	5314	291	76	5353	228
99	5302	297	77	5310	231
--	--	--	80	5337	240
--	--	--	82	5303	246
--	--	--	84	5339	252
--	--	--	91	5322	273
--	--	--	94	5329	282

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
9	5348	27	20	5325	60
16	5344	48	50	5334	150
25	5324	75	52	5343	156
32	5328	96	77	5311	231
35	5322	105	83	5308	249
44	5319	132	88	5356	264
48	5312	144	98	5347	294
71	5354	213	--	--	--
72	5317	216	--	--	--
82	5347	246	--	--	--
93	5309	279	--	--	--
95	5341	285	--	--	--

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5317	30	1	5304	3
18	5328	54	4	5336	12
21	5322	63	10	5327	30
22	5346	66	24	5350	72
27	5352	81	30	5333	90
37	5308	111	36	5312	108
54	5324	162	37	5323	111
62	5334	186	39	5326	117
84	5336	252	44	5345	132
91	5301	273	64	5322	192
98	5318	294	72	5328	216
--	--	--	74	5306	222
--	--	--	76	5337	228
--	--	--	97	5300	291
--	--	--	99	5319	297

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5320	18	2	5321	6
13	5334	39	24	5330	72
25	5332	75	34	5307	102
34	5358	102	42	5338	126
36	5339	108	57	5303	171
68	5305	204	66	5339	198
73	5316	219	75	5356	225
81	5322	243	--	--	--
86	5309	258	--	--	--
97	5349	291	--	--	--

Radio B Radar Statistical Performance for 802.11ac-VHT80

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5252	1	558	95	1
2	5252	1	658	81	1
3	5252	1	578	92	1
4	5252	1	698	76	1
5	5252	1	598	89	1
6	5252	1	878	61	1
7	5252	1	3066	18	1
8	5252	1	818	65	1
9	5252	1	918	58	1
10	5252	1	678	78	1
11	5252	1	618	86	1
12	5252	1	758	70	1
13	5252	1	898	59	1
14	5252	1	798	67	1
15	5252	1	718	74	1
16	5252	1	773	69	1
17	5252	1	2369	23	1
18	5252	1	2425	22	1
19	5252	1	1471	36	1
20	5252	1	1990	27	1
21	5252	1	2758	20	1
22	5252	1	1228	43	1
23	5252	1	2358	23	1
24	5252	1	1816	30	1
25	5252	1	2682	20	1
26	5252	1	1491	36	1
27	5252	1	3056	18	1
28	5252	1	2927	19	1
29	5252	1	1407	38	1
30	5252	1	1511	35	1
Detection Percentage (%)					100%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5290	1.6	155	26	1
2	5290	3.1	160	24	1
3	5290	1.3	161	23	1
4	5290	2.6	151	29	1
5	5290	1.1	157	23	1
6	5290	2.2	180	27	1
7	5290	1.8	214	28	1
8	5290	2.3	176	29	1
9	5290	3.7	156	29	1
10	5290	3.9	178	26	1
11	5290	3.5	170	29	1
12	5290	3.2	171	23	1
13	5290	4.6	197	27	1
14	5290	2.6	150	24	1
15	5290	4.8	185	24	1
16	5290	1.4	219	27	1
17	5290	4.5	226	24	1
18	5290	1.1	210	29	1
19	5290	5.0	199	26	1
20	5290	4.8	228	25	1
21	5290	5.0	194	24	1
22	5290	3.3	172	29	1
23	5290	4.2	206	23	1
24	5290	2.3	163	24	1
25	5290	1.2	193	25	1
26	5290	3.8	216	24	1
27	5290	4.9	215	26	1
28	5290	3.6	193	28	1
29	5290	2.2	222	24	1
30	5290	2.1	217	24	1
Detection Percentage (%)					100%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5290	8.3	314	17	1
2	5290	9.3	260	17	1
3	5290	6.4	252	17	1
4	5290	6.4	438	17	1
5	5290	8.7	396	16	1
6	5290	8.5	429	16	1
7	5290	7.7	309	18	1
8	5290	7.1	490	17	1
9	5290	8.8	429	16	1
10	5290	9.0	497	16	1
11	5290	7.1	478	16	1
12	5290	6.1	313	18	1
13	5290	8.1	362	18	1
14	5290	7.9	371	17	1
15	5290	6.3	267	17	1
16	5290	9.3	371	16	1
17	5290	6.6	412	18	1
18	5290	9.9	433	16	1
19	5290	9.9	498	18	1
20	5290	8.3	338	18	1
21	5290	7.1	474	18	1
22	5290	9.6	384	18	1
23	5290	7.3	392	18	1
24	5290	7.6	387	18	1
25	5290	9.9	335	18	1
26	5290	9.0	260	18	1
27	5290	6.9	336	18	1
28	5290	7.1	493	16	1
29	5290	8.6	389	16	1
30	5290	7.5	342	18	1
Detection Percentage (%)					100%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5328	14.6	405	13	1
2	5328	16.7	381	14	1
3	5328	16.5	432	13	1
4	5328	11.7	312	16	1
5	5328	13.8	500	15	1
6	5328	16.4	315	12	1
7	5328	13.7	449	14	1
8	5328	18.6	435	16	1
9	5328	15.2	428	16	1
10	5328	18.9	410	12	1
11	5328	13.2	412	14	1
12	5328	16.3	404	15	1
13	5328	17.7	473	12	1
14	5328	16.7	357	13	1
15	5328	17.1	344	12	1
16	5328	16.0	301	13	1
17	5328	11.2	271	16	1
18	5328	12.9	439	16	1
19	5328	15.3	265	14	1
20	5328	15.0	310	15	1
21	5328	11.9	312	15	1
22	5328	20.0	411	12	1
23	5328	13.0	371	12	1
24	5328	11.3	329	16	1
25	5328	17.8	374	12	1
26	5328	18.0	369	15	1
27	5328	11.8	498	16	1
28	5328	12.9	375	12	1
29	5328	16.7	480	14	1
30	5328	16.5	427	15	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5259.6	1	16	5290.0	1
2	5255.2	1	17	5290.0	1
3	5256.0	1	18	5290.0	1
4	5257.6	1	19	5290.0	1
5	5259.2	1	20	5290.0	1
6	5254.4	1	21	5320.4	1
7	5255.6	1	22	5324.8	1
8	5256.8	1	23	5324.0	1
9	5258.8	1	24	5322.4	1
10	5254.0	1	25	5320.8	1
11	5290.0	1	26	5325.6	1
12	5290.0	1	27	5324.4	1
13	5290.0	1	28	5323.2	1
14	5290.0	1	29	5321.2	1
15	5290.0	1	30	5326.0	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1

Num of Bursts = 8 Burst Interval (us)= 1500000										
Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	679675	3	19	100	1650	1749	1417	679675	0	1499999
2	1469997	2	19	70	1844	1088	0	2154488	1500000	2999999
3	1846017	3	19	65	1671	1870	1189	4003437	3000000	4499999
4	1214944	2	19	75	1573	1228	0	5223111	4500000	5999999
5	914036	3	19	80	1950	1826	1883	6139948	6000000	7499999
6	2421261	1	19	50	1448	0	0	8566868	7500000	8999999
7	810305	2	19	50	1529	1186	0	9378621	9000000	10499999
8	1220233	2	19	75	1955	1642	0	10601569	10500000	11999999
Total number of pulses in waveform = 18 *****										

**Type 5 Radar Waveform_2**Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	701698	2	8	100	1484	1723	0	701698	0	749999
2	58079	3	8	95	1926	1967	1871	762984	750000	1499999
3	965882	1	8	95	1336	0	0	1734630	1500000	2249999
4	662298	3	8	100	1917	1836	1496	2398264	2250000	2999999
5	1273695	1	8	100	1821	0	0	3677208	3000000	3749999
6	171645	3	8	90	1139	1822	1318	3850674	3750000	4499999
7	719576	3	8	70	1043	1802	1115	4574529	4500000	5249999
8	1374948	1	8	75	1780	0	0	5953437	5250000	5999999
9	529296	3	8	95	1064	1513	1415	6484513	6000000	6749999
10	974795	1	8	85	1579	0	0	7463300	6750000	7499999
11	188876	1	8	85	1055	0	0	7653755	7500000	8249999
12	1038101	1	8	95	1297	0	0	8692911	8250000	8999999
13	662473	2	8	55	1194	1787	0	9356681	9000000	9749999
14	1126811	1	8	85	1676	0	0	10486473	9750000	10499999
15	382925	3	8	95	1264	1781	1694	10871074	10500000	11249999
16	582046	2	8	70	1855	1433	0	11457859	11250000	11999999

Total number of pulses in waveform = 31
*******Type 5 Radar Waveform_3**Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	300607	1	10	55	1784	0	0	300607	0	1199999
2	1011807	2	10	100	1411	1899	0	1314198	1200000	2399999
3	1315751	3	10	55	1755	1855	1145	2633259	2400000	3599999
4	2041308	1	10	70	1033	0	0	4679322	3600000	4799999
5	850547	2	10	50	1074	1924	0	5530902	4800000	5999999
6	1430554	2	10	65	1251	1104	0	6964454	6000000	7199999
7	1166977	1	10	70	1408	0	0	8133786	7200000	8399999
8	1276741	1	10	80	1224	0	0	9411935	8400000	9599999
9	578667	2	10	95	1780	1057	0	9991826	9600000	10799999
10	1244205	2	10	80	1773	1374	0	11238868	10800000	11999999

Total number of pulses in waveform = 17
*******Type 5 Radar Waveform_4**Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1019872	1	14	95	1193	0	0	1019872	0	1499999
2	1875251	1	14	85	1320	0	0	2896316	1500000	2999999
3	709625	3	14	70	1082	1429	1748	3607261	3000000	4499999
4	1316904	2	14	60	1123	1122	0	4928424	4500000	5999999
5	2179453	3	14	60	1016	1424	1814	7110122	6000000	7499999
6	1688284	3	14	80	1968	1723	1271	8802660	7500000	8999999
7	1091677	1	14	60	1100	0	0	9899299	9000000	10499999
8	1175180	3	14	80	1377	1173	1636	11075579	10500000	11999999

Total number of pulses in waveform = 17



Type 5 Radar Waveform_5

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	796581	1	18	55	1906	0	0	796581	0	999999
2	222673	2	18	85	1496	1264	0	1021160	1000000	1999999
3	1126257	1	18	85	1257	0	0	2150177	2000000	2999999
4	859548	3	18	75	1590	1467	1267	3010982	3000000	3999999
5	1157137	1	18	75	1853	0	0	4172443	4000000	4999999
6	878243	3	18	90	1126	1944	1338	5052539	5000000	5999999
7	1787985	3	18	65	1921	1080	1677	6844932	6000000	6999999
8	848562	3	18	95	1223	1843	1943	7698172	7000000	7999999
9	1054987	2	18	80	1169	1255	0	8758168	8000000	8999999
10	407871	2	18	75	1497	1008	0	9168463	9000000	9999999
11	1413515	3	18	75	1223	1063	1183	10584483	10000000	10999999
12	498803	1	18	95	1791	0	0	11086755	11000000	11999999

Total number of pulses in waveform = 25

Type 5 Radar Waveform_6

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	558910	3	6	60	1039	1720	1077	558910	0	749999
2	801436	3	6	60	1606	1120	1392	1364182	750000	1499999
3	294213	3	6	75	1684	1631	1696	1662513	1500000	2249999
4	799814	1	6	75	1677	0	0	2467338	2250000	2999999
5	777358	1	6	70	1029	0	0	3246373	3000000	3749999
6	1052204	1	6	60	1170	0	0	4299606	3750000	4499999
7	819893	1	6	65	1564	0	0	5120669	4500000	5249999
8	579333	3	6	100	1000	1827	1222	5701566	5250000	5999999
9	735464	1	6	60	1111	0	0	6441079	6000000	6749999
10	997621	1	6	65	1316	0	0	7439811	6750000	7499999
11	555204	2	6	100	1955	1186	0	7996331	7500000	8249999
12	976783	1	6	65	1035	0	0	8976255	8250000	8999999
13	562820	2	6	85	1829	1127	0	9540110	9000000	9749999
14	355833	2	6	70	1259	1214	0	9898899	9750000	10499999
15	1018947	2	6	100	1903	1668	0	10920319	10500000	11249999
16	329696	2	6	90	1706	1202	0	11253586	11250000	11999999

Total number of pulses in waveform = 29

Type 5 Radar Waveform_7

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	535748	2	9	100	1371	1277	0	535748	0	857142
2	821595	3	9	100	1876	1162	1148	1359991	857143	1714285
3	414485	1	9	85	1668	0	0	1778662	1714286	2571428
4	804957	2	9	55	1525	1336	0	2585287	2571429	3428571
5	1176686	2	9	70	1051	1212	0	3764834	3428572	4285714
6	1139780	1	9	100	1207	0	0	4906877	4285715	5142857
7	483658	1	9	95	1132	0	0	5391742	5142858	6000000
8	1313567	3	9	55	1761	1480	1403	6706441	6000001	6857143
9	747421	2	9	80	1909	1760	0	7458506	6857144	7714286
10	903541	2	9	85	1693	1720	0	8365716	7714287	8571429
11	936986	3	9	70	1044	1638	1964	9306115	8571430	9428572
12	799996	3	9	65	1873	1316	1007	10110757	9428573	10285715
13	711107	1	9	80	1092	0	0	10826060	10285716	11142858
14	976713	3	9	70	1924	1241	1750	11803865	11142859	12000001

Total number of pulses in waveform = 29



Type 5 Radar Waveform_8

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	386965	2	12	85	1392	1742	0	386965	0	599999
2	266301	2	12	90	1077	1702	0	656400	600000	1199999
3	591490	1	12	75	1920	0	0	1250669	1200000	1799999
4	819685	2	12	65	1341	1757	0	2072274	1800000	2399999
5	737802	1	12	95	1959	0	0	2813174	2400000	2999999
6	681841	1	12	80	1516	0	0	3486974	3000000	3599999
7	561333	3	12	90	1447	1168	1092	4059823	3600000	4199999
8	688196	1	12	100	1425	0	0	4751716	4200000	4799999
9	352958	3	12	75	1414	1206	1856	5106099	4800000	5399999
10	869226	2	12	90	1460	1795	0	5979801	5400000	5999999
11	567456	2	12	80	1831	1643	0	6550512	6000000	6599999
12	156548	3	12	95	1644	1820	1918	6710634	6600000	7199999
13	795378	2	12	65	1095	1260	0	7511294	7200000	7799999
14	534531	2	12	100	1484	1841	0	8048180	7800000	8399999
15	889658	2	12	70	1150	1906	0	8941163	8400000	8999999
16	123014	1	12	100	1560	0	0	9067233	9000000	9599999
17	913023	3	12	90	1560	1333	1467	9981816	9600000	10199999
18	629604	2	12	85	1527	1980	0	10615780	10200000	10799999
19	264435	1	12	60	1308	0	0	10883722	10800000	11399999
20	843506	2	12	85	1512	1245	0	11728536	11400000	11999999

Total number of pulses in waveform = 38

Type 5 Radar Waveform_9

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	545320	1	17	50	1345	0	0	545320	0	799999
2	1022166	2	17	65	1035	1703	0	1568831	800000	1599999
3	710231	1	17	60	1407	0	0	2281800	1600000	2399999
4	731764	1	17	95	1462	0	0	3014971	2400000	3199999
5	753430	3	17	70	1175	1735	1519	3769863	3200000	3999999
6	375099	2	17	90	1929	1295	0	4149391	4000000	4799999
7	1262606	1	17	90	1152	0	0	5415221	4800000	5599999
8	280420	1	17	75	1089	0	0	5696793	5600000	6399999
9	773936	1	17	80	1743	0	0	6471818	6400000	7199999
10	1499624	1	17	65	1395	0	0	7973185	7200000	7999999
11	229781	3	17	85	1912	1224	1892	8204361	8000000	8799999
12	1147324	2	17	70	1002	1213	0	9356713	8800000	9599999
13	988588	3	17	100	1723	1977	1015	10347516	9600000	10399999
14	686926	3	17	65	1414	1248	1474	11039157	10400000	11199999
15	325220	1	17	75	1416	0	0	11368513	11200000	11999999

Total number of pulses in waveform = 26

Type 5 Radar Waveform_10

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	190400	1	5	90	1105	0	0	190400	0	599999
2	995511	3	5	50	1954	1596	1349	1187016	600000	1199999
3	471107	2	5	55	1340	1914	0	1663022	1200000	1799999
4	570687	1	5	90	1095	0	0	2237263	1800000	2399999
5	261749	3	5	85	1503	1137	1276	2500107	2400000	2999999
6	641920	1	5	90	1943	0	0	3145943	3000000	3599999
7	922900	3	5	95	1587	1168	1084	4070786	3600000	4199999
8	574667	1	5	85	1913	0	0	4649292	4200000	4799999
9	553474	3	5	85	1828	1451	1972	5204679	4800000	5399999
10	252834	2	5	80	1936	1653	0	5462764	5400000	5999999
11	687697	1	5	70	1773	0	0	6154050	6000000	6599999
12	1007519	3	5	90	1129	1640	1248	7163342	6600000	7199999
13	119454	2	5	75	1366	1938	0	7286813	7200000	7799999
14	807374	2	5	85	1151	1347	0	8097491	7800000	8399999
15	845524	1	5	65	1827	0	0	8945513	8400000	8999999
16	451394	3	5	60	1865	1140	1126	9398734	9000000	9599999
17	203671	3	5	95	1284	1474	1162	9606536	9600000	10199999
18	1106730	2	5	55	1241	1933	0	10717186	10200000	10799999
19	132637	2	5	95	1043	1587	0	10852997	10800000	11399999
20	694140	1	5	100	1182	0	0	11549767	11400000	11999999

Total number of pulses in waveform = 40



Type 5 Radar Waveform_11

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	327545	2	19	90	1350	1703	0	327545	0	857142
2	896071	1	19	75	1676	0	0	1226669	857143	1714285
3	592368	2	19	70	1173	1856	0	1820713	1714286	2571428
4	1348937	1	19	60	1818	0	0	3172679	2571429	3428571
5	925059	1	19	50	1024	0	0	4099556	3428572	4285714
6	893421	1	19	95	1813	0	0	4994001	4285715	5142857
7	573229	2	19	75	1888	1212	0	5569043	5142858	6000000
8	511954	3	19	65	1228	1629	1302	6084097	6000001	6857143
9	1198553	3	19	50	1698	1697	1976	7286809	6857144	7714286
10	561182	1	19	75	1090	0	0	7853362	7714287	8571429
11	1275670	1	19	50	1511	0	0	9130122	8571430	9428572
12	809547	3	19	100	1625	1242	1547	9941180	9428573	10285715
13	477034	1	19	60	1449	0	0	10422628	10285716	11142858
14	1418746	3	19	90	1214	1211	1182	11842823	11142859	12000001

Total number of pulses in waveform = 25

Type 5 Radar Waveform_12

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	476830	3	8	55	1252	1685	1288	476830	0	631578
2	653867	2	8	80	1199	1689	0	1134822	631579	1263157
3	652898	2	8	65	1830	1867	0	1790508	1263158	1894736
4	670658	2	8	50	1662	1336	0	2464863	1894737	2526315
5	521541	3	8	95	1215	1276	1662	2989402	2526316	3157894
6	287692	3	8	70	1344	1936	1357	3281247	3157895	3789473
7	952451	1	8	90	1776	0	0	4238335	3789474	4421052
8	595165	3	8	95	1859	1841	1046	4835276	4421053	5052631
9	739410	1	8	80	1227	0	0	5579432	5052632	5684210
10	575511	3	8	60	1283	1096	1439	6156170	5684211	6315789
11	425992	3	8	90	1664	1604	1033	6585980	6315790	6947368
12	656353	3	8	70	1303	1357	1073	7246634	6947369	7578947
13	895480	1	8	80	1377	0	0	8145847	7578948	8210526
14	323182	3	8	90	1698	1481	1522	8470406	8210527	8842105
15	528358	1	8	90	1843	0	0	9003465	8842106	9473684
16	694030	1	8	80	1276	0	0	9699338	9473685	10105263
17	920084	3	8	75	1681	1742	1302	10620698	10105264	10736842
18	689567	2	8	65	1826	1807	0	11314990	10736843	11368421
19	262309	2	8	70	1422	1489	0	11580932	11368422	12000000

Total number of pulses in waveform = 42

Type 5 Radar Waveform_13

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	18706	3	10	55	1354	1819	1028	18706	0	749999
2	1245792	3	10	70	1232	1228	1980	1268699	750000	1499999
3	748943	1	10	90	1713	0	0	2022082	1500000	2249999
4	962452	2	10	100	1542	1555	0	2986247	2250000	2999999
5	72879	2	10	75	1307	1370	0	3062223	3000000	3749999
6	771665	3	10	60	1365	1516	1561	3836565	3750000	4499999
7	1265299	3	10	50	1396	1927	1381	5106306	4500000	5249999
8	496708	1	10	100	1655	0	0	5607718	5250000	5999999
9	987413	2	10	85	1643	1612	0	6596786	6000000	6749999
10	649076	3	10	85	1700	1096	1756	7249117	6750000	7499999
11	879173	3	10	55	1956	1917	1838	8132842	7500000	8249999
12	113087	3	10	75	1745	1717	1498	8251640	8250000	8999999
13	961928	1	10	50	1228	0	0	9218528	9000000	9749999
14	767152	2	10	75	1321	1007	0	9986908	9750000	10499999
15	982559	1	10	80	1077	0	0	10971795	10500000	11249999
16	406125	1	10	80	1096	0	0	11378997	11250000	11999999

Total number of pulses in waveform = 34

**Type 5 Radar Waveform_14**Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	615481	3	14	80	1775	1353	1855	615481	0	749999
2	151704	3	14	60	1701	1919	1691	772168	750000	1499999
3	1292735	1	14	55	1950	0	0	2070214	1500000	2249999
4	658661	1	14	75	1773	0	0	2730825	2250000	2999999
5	532514	2	14	100	1526	1892	0	3265112	3000000	3749999
6	486637	2	14	65	1571	1696	0	3755167	3750000	4499999
7	934773	3	14	95	1487	1546	1534	4693207	4500000	5249999
8	632569	2	14	85	1498	1861	0	5330343	5250000	5999999
9	1123008	1	14	95	1559	0	0	6456710	6000000	6749999
10	307056	2	14	80	1608	1554	0	6765325	6750000	7499999
11	1321463	2	14	90	1540	1674	0	8089950	7500000	8249999
12	206890	1	14	85	1817	0	0	8300054	8250000	8999999
13	724271	3	14	60	1969	1790	1050	9026142	9000000	9749999
14	1095990	3	14	70	1958	1803	1879	10126941	9750000	10499999
15	798082	3	14	50	1620	1984	1898	10930663	10500000	11249999
16	939639	3	14	50	1209	1808	1962	11875804	11250000	11999999

Total number of pulses in waveform = 35
*******Type 5 Radar Waveform_15**Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	703508	1	18	75	1850	0	0	703508	0	1090908
2	675353	3	18	75	1591	1447	1630	1380711	1090909	2181817
3	1134670	2	18	60	1524	1820	0	2520049	2181818	3272726
4	1113471	3	18	85	1360	1307	1734	3636864	3272727	4363635
5	1485791	3	18	90	1418	1336	1098	5127056	4363636	5454544
6	1055547	3	18	90	1119	1666	1118	6186455	5454545	6545453
7	458197	3	18	100	1148	1330	1438	6648555	6545454	7636362
8	1708309	2	18	60	1519	1205	0	8360780	7636363	8727271
9	915164	2	18	65	1494	1915	0	9278668	8727272	9818180
10	1457748	2	18	70	1068	1809	0	10739825	9818181	10909089
11	417503	2	18	80	1074	1882	0	11160205	10909090	11999998

Total number of pulses in waveform = 26
*******Type 5 Radar Waveform_16**Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1363526	3	6	100	1389	1392	1771	1363526	0	1499999
2	492903	2	6	65	1600	1216	0	1860981	1500000	2999999
3	1755726	3	6	85	1249	1976	1718	3619523	3000000	4499999
4	2104128	2	6	50	1278	1927	0	5728594	4500000	5999999
5	968200	1	6	90	1034	0	0	6699999	6000000	7499999
6	2287556	1	6	60	1054	0	0	8988589	7500000	8999999
7	535850	3	6	95	1313	1199	1863	9525493	9000000	10499999
8	1728617	1	6	55	1077	0	0	11258485	10500000	11999999

Total number of pulses in waveform = 16

**Type 5 Radar Waveform_17**

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	833703	2	9	85	1464	1877	0	833703	0	1199999
2	1182707	2	9	95	1650	1496	0	2019751	1200000	2399999
3	573525	3	9	95	1731	1914	1822	2596422	2400000	3599999
4	1810538	2	9	55	1269	1682	0	4412427	3600000	4799999
5	1349458	1	9	90	1484	0	0	5764836	4800000	5999999
6	1354141	3	9	75	1118	1320	1020	7120461	6000000	7199999
7	1120140	1	9	65	1741	0	0	8244059	7200000	8399999
8	733876	3	9	60	1701	1536	1231	8979676	8400000	9599999
9	1437551	3	9	65	1438	1450	1919	10421695	9600000	10799999
10	562758	3	9	60	1638	1794	1128	10989260	10800000	11999999

Total number of pulses in waveform = 23

Type 5 Radar Waveform_18

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	21393	2	12	80	1003	1856	0	21393	0	705881
2	1198940	2	12	80	1525	1767	0	1223192	705882	1411763
3	503011	2	12	60	1952	1488	0	1729495	1411764	2117645
4	1080205	1	12	100	1268	0	0	2813140	2117646	2823527
5	132717	2	12	90	1674	1419	0	2947125	2823528	3529409
6	597232	3	12	100	1557	1265	1526	3547450	3529410	4235291
7	872836	2	12	80	1753	1066	0	4424634	4235292	4941173
8	959255	2	12	50	1004	1607	0	5386708	4941174	5647055
9	482566	3	12	85	1311	1269	1772	5871885	5647056	6352937
10	1028552	3	12	60	1690	1867	1351	6904789	6352938	7058819
11	267883	3	12	75	1772	1319	1702	7177580	7058820	7764701
12	1029860	3	12	95	1934	1962	1462	8212233	7764702	8470583
13	622956	3	12	90	1262	1404	1161	8840547	8470584	9176465
14	376904	3	12	90	1336	1612	1812	9221278	9176466	9882347
15	996530	3	12	55	1176	1736	1316	10222568	9882348	10588229
16	803674	1	12	50	1166	0	0	11030470	10588230	11294111
17	666123	1	12	85	1384	0	0	11697759	11294112	11999993

Total number of pulses in waveform = 39

Type 5 Radar Waveform_19

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	391895	1	17	50	1069	0	0	391895	0	857142
2	1236797	3	17	70	1171	1087	1563	1629761	857143	1714285
3	300204	1	17	80	1687	0	0	1933786	1714286	2571428
4	1051603	1	17	85	1706	0	0	2987076	2571429	3428571
5	1271378	1	17	95	1316	0	0	4260160	3428572	4285714
6	748104	2	17	60	1457	1174	0	5009580	4285715	5142857
7	436697	1	17	60	1573	0	0	5448908	5142858	6000000
8	1109026	1	17	100	1391	0	0	6559507	6000001	6857143
9	584253	2	17	70	1652	1134	0	7145151	6857144	7714286
10	823240	3	17	60	1548	1970	1632	7971177	7714287	8571429
11	835365	1	17	80	1730	0	0	8811692	8571430	9428572
12	1181777	2	17	50	1402	1474	0	9995199	9428573	10285715
13	553496	1	17	55	1424	0	0	10551571	10285716	11142858
14	982935	3	17	100	1085	1004	1897	11535930	11142859	12000001

Total number of pulses in waveform = 23

**Type 5 Radar Waveform_20**

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	167866	2	5	55	1665	1365	0	167866	0	1199999
2	1033522	3	5	85	1798	1730	1635	1204418	1200000	2399999
3	1404389	1	5	95	1674	0	0	2613970	2400000	3599999
4	1553048	2	5	100	1932	1681	0	4168692	3600000	4799999
5	1221508	1	5	80	1038	0	0	5393813	4800000	5999999
6	1458506	2	5	80	1621	1242	0	6853357	6000000	7199999
7	692082	1	5	90	1582	0	0	7548302	7200000	8399999
8	2002866	1	5	70	1722	0	0	9552750	8400000	9599999
9	735511	2	5	55	1805	1155	0	10289983	9600000	10799999
10	712591	3	5	85	1755	1357	1197	11005534	10800000	11999999

Total number of pulses in waveform = 18

Type 5 Radar Waveform_21

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	961703	2	19	80	1307	1693	0	961703	0	1499999
2	1491709	1	19	65	1991	0	0	2456412	1500000	2999999
3	762364	3	19	80	1033	1456	1845	3220767	3000000	4499999
4	2470053	2	19	70	1675	1886	0	5695154	4500000	5999999
5	1327101	2	19	65	1190	1946	0	7025816	6000000	7499999
6	1010730	1	19	65	1760	0	0	8039682	7500000	8999999
7	1911760	3	19	90	1830	1567	1513	9953202	9000000	10499999
8	793072	1	19	100	1938	0	0	10751184	10500000	11999999

Total number of pulses in waveform = 15

Type 5 Radar Waveform_22

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	302854	1	8	100	1136	0	0	302854	0	857142
2	606627	3	8	85	1218	1753	1966	910617	857143	1714285
3	1297890	1	8	85	1490	0	0	2213444	1714286	2571428
4	616614	1	8	80	1890	0	0	2831548	2571429	3428571
5	1283564	2	8	85	1078	1854	0	4117002	3428572	4285714
6	236394	2	8	80	1628	1211	0	4356328	4285715	5142857
7	1316429	2	8	100	1344	1277	0	5675596	5142858	6000000
8	692432	2	8	95	1060	1129	0	6370649	6000001	6857143
9	816207	3	8	70	1674	1230	1684	7189045	6857144	7714286
10	548930	3	8	90	1996	1492	1528	7742563	7714287	8571429
11	1563241	1	8	50	1669	0	0	9310820	8571430	9428572
12	843501	3	8	85	1110	1543	1941	10155990	9428573	10285715
13	241532	1	8	90	1181	0	0	10402116	10285716	11142858
14	1277483	1	8	65	1522	0	0	11680780	11142859	12000001

Total number of pulses in waveform = 26



Type 5 Radar Waveform_23

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	881270	2	10	50	1238	1915	0	43984	0	705881
2	43984	1	10	100	1367	0	0	928407	705882	1411763
3	695595	2	10	90	1227	1692	0	1625369	1411764	2117645
4	1092234	2	10	60	1259	1781	0	2720522	2117646	2823527
5	646287	1	10	55	1618	0	0	3369849	2823528	3529409
6	836097	1	10	60	1731	0	0	4207564	3529410	4235291
7	503832	1	10	90	1566	0	0	4713127	4235292	4941173
8	585515	3	10	100	1665	1362	1414	5300208	4941174	5647055
9	953870	2	10	100	1395	1535	0	6258519	5647056	6352937
10	204108	1	10	55	1611	0	0	6465557	6352938	7058819
11	662329	2	10	95	1289	1582	0	7129497	7058820	7764701
12	1194399	2	10	85	1571	1355	0	8326767	7764702	8470583
13	673213	3	10	80	1757	1311	1262	9002906	8470584	9176465
14	189591	2	10	65	1870	1441	0	9196827	9176466	9882347
15	1246046	1	10	95	1134	0	0	10446184	9882348	10588229
16	648482	3	10	85	1511	1825	1018	11095800	10588230	11294111
17	519013	3	10	55	1083	1062	1507	11619167	11294112	11999993

Total number of pulses in waveform = 32

Type 5 Radar Waveform_24

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	219794	2	14	80	1745	1744	0	219794	0	799999
2	1300642	1	14	95	1566	0	0	1523925	800000	1599999
3	517698	3	14	55	1255	1856	1823	2043189	1600000	2399999
4	793120	2	14	95	1481	1197	0	2841243	2400000	3199999
5	931529	2	14	75	1626	1597	0	3775450	3200000	3999999
6	746395	2	14	60	1086	1062	0	4525068	4000000	4799999
7	311895	3	14	60	1340	1406	1196	4839111	4800000	5599999
8	1474326	1	14	80	1552	0	0	6317379	5600000	6399999
9	214303	3	14	50	1308	1501	1659	6533234	6400000	7199999
10	1365639	1	14	95	1774	0	0	7903341	7200000	7999999
11	803843	3	14	75	1419	1409	1968	8708958	8000000	8799999
12	805113	3	14	50	1887	1069	1361	9518867	8800000	9599999
13	309688	1	14	75	1328	0	0	9832872	9600000	10399999
14	904146	3	14	85	1331	1079	1051	10738346	10400000	11199999
15	536463	2	14	50	1718	1126	0	11278270	11200000	11999999

Total number of pulses in waveform = 32

Type 5 Radar Waveform_25

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	443445	3	12	80	1452	1725	1717	443445	0	599999
2	695885	2	12	75	1632	1473	0	1144224	600000	1199999
3	460576	3	12	95	1430	1792	1699	1607905	1200000	1799999
4	777726	2	12	75	1054	1484	0	2390552	1800000	2399999
5	435851	2	12	55	1195	1046	0	2828941	2400000	2999999
6	680960	3	12	50	1440	1864	1989	3512142	3000000	3599999
7	285088	1	12	95	1881	0	0	3802523	3600000	4199999
8	643265	2	12	80	1980	1441	0	4447669	4200000	4799999
9	623936	3	12	70	1422	1371	1231	5075026	4800000	5399999
10	473106	2	12	90	1424	1332	0	5552156	5400000	5999999
11	722353	1	12	90	1557	0	0	6277265	6000000	6599999
12	775391	1	12	90	1916	0	0	7054213	6600000	7199999
13	381631	2	12	75	1517	1336	0	7437760	7200000	7799999
14	541515	2	12	75	1848	1334	0	7982128	7800000	8399999
15	983945	1	12	60	1227	0	0	8969255	8400000	8999999
16	422431	1	12	80	1155	0	0	9392913	9000000	9599999
17	417592	2	12	80	1669	1929	0	9811660	9600000	10199999
18	920749	2	12	70	1149	1762	0	10736007	10200000	10799999
19	559444	1	12	75	1908	0	0	11298362	10800000	11399999
20	677011	2	12	60	1673	1018	0	11977281	11400000	11999999

Total number of pulses in waveform = 35



Type 5 Radar Waveform_26

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	595987	3	6	100	1605	1841	1891	595987	0	666666
2	314533	1	6	90	1753	0	0	915857	666667	1333333
3	715998	2	6	60	1848	1508	0	1633608	1333334	2000000
4	737711	1	6	90	1612	0	0	2374675	2000001	2666667
5	820112	2	6	50	1753	1853	0	3196399	2666668	3333334
6	673318	2	6	65	1095	1817	0	3873323	3333335	4000001
7	605460	1	6	95	1140	0	0	4481695	4000002	4666668
8	675562	3	6	50	1703	1881	1274	5158397	4666669	5333335
9	312210	1	6	80	1567	0	0	5475465	5333336	6000002
10	736804	3	14	100	1451	1210	1309	6213836	6000003	6666669
11	671637	1	14	55	1425	0	0	6889443	6666670	7333336
12	654589	1	12	90	1285	0	0	7545457	7333337	8000003
13	597314	3	13	55	1879	1459	1400	8144056	8000004	8666670
14	520933	3	8	95	1510	1730	1166	8669727	8666671	9333337
15	977322	3	17	60	1770	1220	1195	9651455	9333338	10000004
16	527195	2	18	85	1107	1628	0	10182835	10000005	10666671
17	546344	2	17	100	1286	1952	0	10731914	10666672	11333338
18	1029132	3	14	90	1579	1787	1827	11784284	11333339	12000005

Total number of pulses in waveform = 37

Type 5 Radar Waveform_27

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	329212	3	9	85	1558	1657	1849	329212	0	666666
2	542023	3	9	60	1108	1868	1699	876299	666667	1333333
3	535279	3	9	80	1041	1284	1116	1416253	1333334	2000000
4	921544	1	9	85	1017	0	0	2341238	2000001	2666667
5	332154	2	9	75	1695	1112	0	2674409	2666668	3333334
6	823592	1	9	90	1058	0	0	3500808	3333335	4000001
7	1002757	3	9	50	1399	1519	1042	4504623	4000002	4666668
8	225956	3	9	60	1502	1264	1462	4734539	4666669	5333335
9	1157164	2	9	70	1488	1566	0	5895931	5333336	6000002
10	189511	3	9	100	1921	1908	1273	6088496	6000003	6666669
11	778786	3	9	80	1488	1309	1569	6872384	6666670	7333336
12	974173	2	9	75	1102	1530	0	7850923	7333337	8000003
13	672685	3	9	80	1696	1724	1648	8526240	8000004	8666670
14	545749	3	9	80	1050	1020	1492	9077057	8666671	9333337
15	799741	2	9	60	1281	1963	0	9880360	9333338	10000004
16	733021	3	9	55	1987	1751	1125	10616625	10000005	10666671
17	590877	3	9	60	1453	1417	1738	11212365	10666672	11333338
18	663213	2	9	95	1826	1521	0	11880186	11333339	12000005

Total number of pulses in waveform = 45

Type 5 Radar Waveform_28

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	443445	3	12	80	1462	1725	1717	443445	0	599999
2	695885	2	12	75	1632	1473	0	1144224	600000	1199999
3	460576	3	12	95	1430	1792	1699	1607905	1200000	1799999
4	777726	2	12	75	1054	1484	0	2390552	1800000	2399999
5	435851	2	12	55	1195	1046	0	2828941	2400000	2999999
6	680960	3	12	50	1440	1854	1989	3512142	3000000	3599999
7	285088	1	12	95	1881	0	0	3802523	3600000	4199999
8	643265	2	12	80	1980	1441	0	4447669	4200000	4799999
9	623936	3	12	70	1422	1371	1231	5075026	4800000	5399999
10	473106	2	12	90	1424	1332	0	5552156	5400000	5999999
11	722353	1	12	90	1557	0	0	6277265	6000000	6599999
12	775391	1	12	90	1916	0	0	7054213	6600000	7199999
13	381631	2	12	75	1517	1336	0	7437760	7200000	7799999
14	541515	2	12	75	1848	1334	0	7982128	7800000	8399999
15	983945	1	12	60	1227	0	0	8969255	8400000	8999999
16	422431	1	12	80	1155	0	0	9392913	9000000	9599999
17	417592	2	12	80	1669	1929	0	9811660	9600000	10199999
18	920749	2	12	70	1149	1762	0	10736007	10200000	10799999
19	559444	1	12	75	1908	0	0	11298362	10800000	11399999
20	677011	2	12	60	1673	1018	0	11977281	11400000	11999999

Total number of pulses in waveform = 38

**Type 5 Radar Waveform_29**

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	583072	2	17	85	1329	1138	0	583072	0	999999
2	920721	1	17	90	1463	0	0	1506260	1000000	1999999
3	1155114	2	17	100	1184	1437	0	2662837	2000000	2999999
4	1178153	1	17	65	1078	0	0	3843611	3000000	3999999
5	371986	1	17	65	1152	0	0	4216675	4000000	4999999
6	1048246	1	17	90	1864	0	0	5266073	5000000	5999999
7	1519896	2	17	80	1804	1727	0	6787833	6000000	6999999
8	866060	2	17	80	1665	1017	0	7657424	7000000	7999999
9	1123504	2	17	55	1515	1285	0	8783610	8000000	8999999
10	805857	1	17	95	1067	0	0	9592267	9000000	9999999
11	681060	2	17	60	1289	1136	0	10274394	10000000	10999999
12	724242	1	17	55	1026	0	0	11001061	11000000	11999999

Total number of pulses in waveform = 18

Type 5 Radar Waveform_30

Waveform Num = 30
Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	92765	3	20	85	1063	1105	1926	92765	0	1333332
2	2563486	2	20	85	1107	1913	0	2660345	1333333	2666665
3	817513	2	20	90	1368	1732	0	3480878	2666666	3999998
4	749653	3	20	85	1798	1143	1152	4233631	3999999	5333331
5	1142499	2	20	70	1017	1593	0	5380223	5333332	6666664
6	1959604	1	20	90	1881	0	0	7342437	6666665	7999997
7	1724455	1	20	75	1679	0	0	9068773	7999998	9333330
8	1164409	3	20	100	1920	1290	1733	10234861	9333331	10666663
9	1253542	1	20	70	2000	0	0	11493346	10666664	11999996

Total number of pulses in waveform = 18

Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5290	1	16	5290	1
2	5290	1	17	5290	1
3	5290	1	18	5290	1
4	5290	1	19	5290	1
5	5290	1	20	5290	1
6	5290	1	21	5290	1
7	5290	1	22	5290	1
8	5290	1	23	5290	1
9	5290	1	24	5290	1
10	5290	1	25	5290	1
11	5290	1	26	5290	1
12	5290	1	27	5290	1
13	5290	1	28	5290	1
14	5290	1	29	5290	1
15	5290	1	30	5290	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
17	5317	51	0	5307	0
21	5303	63	6	5316	18
26	5357	78	7	5349	21
29	5327	87	8	5313	24
35	5304	105	11	5314	33
37	5334	111	14	5327	42
41	5301	123	21	5340	63
43	5339	129	24	5333	72
45	5329	135	33	5358	99
47	5320	141	41	5324	123
73	5302	219	45	5323	135
--	--	-	53	5339	159
--	--	-	56	5300	168
--	--	-	67	5304	201
--	--	-	79	5322	237
--	--	-	80	5346	240
--	--	-	99	5332	297

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5344	6	9	5307	27
5	5304	15	19	5328	57
20	5326	60	21	5305	63
22	5305	66	44	5335	132
23	5340	69	46	5325	138
33	5323	99	48	5313	144
44	5322	132	61	5300	183
72	5328	216	74	5317	222
73	5349	219	87	5330	261
78	5357	234	92	5318	276
94	5320	282	93	5306	279
--	--	-	97	5347	291

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5321	0	5	5326	15
17	5310	51	6	5340	18
28	5355	84	20	5317	60
30	5319	90	38	5298	114
32	5327	96	39	5354	117
46	5313	138	43	5311	129
52	5326	156	48	5357	144
53	5318	159	69	5328	207
60	5306	180	85	5306	255
83	5301	249	--	--	--
84	5331	252	--	--	--
92	5312	276	--	--	--

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5335	0	7	5312	21
7	5318	21	10	5345	30
20	5350	60	12	5300	36
43	5341	129	33	5316	99
68	5304	204	65	5329	195
75	5326	225	72	5332	216
80	5329	240	79	5307	237
84	5338	252	87	5344	261
85	5305	255	88	5352	264
90	5327	270	98	5343	294

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5344	12	0	5351	0
12	5318	36	18	5326	54
15	5320	45	30	5325	90
21	5334	63	35	5300	105
22	5338	66	48	5350	144
25	5322	75	50	5358	150
30	5329	90	61	5338	183
38	5317	114	68	5302	204
43	5307	129	72	5304	216
50	5339	150	77	5301	231
53	5316	159	87	5319	261
56	5301	168	98	5328	294
59	5347	177	--	--	--
62	5337	186	--	--	--
78	5300	234	--	--	--
80	5328	240	--	--	--
89	5335	267	--	--	--
90	5319	270	--	--	--

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
23	5305	69	1	5328	3
25	5340	75	8	5340	24
31	5357	93	11	5353	33
59	5303	177	20	5322	60
64	5322	192	34	5318	102
77	5344	231	41	5316	123
79	5334	237	46	5343	138
82	5309	246	55	5344	165
85	5346	255	62	5335	186
--	--	--	69	5325	207
--	--	--	72	5315	216
--	--	--	77	5321	231
--	--	--	79	5333	237
--	--	--	82	5324	246
--	--	--	83	5304	249
--	--	--	87	5327	261
--	--	--	95	5337	285

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
18	5308	54	1	5322	3
20	5298	60	8	5321	24
25	5331	75	23	5313	69
48	5350	144	28	5357	84
54	5343	162	43	5358	129
61	5333	183	44	5354	132
66	5356	198	49	5356	147
78	5335	234	60	5319	180
88	5316	264	65	5302	195
93	5312	279	70	5317	210
96	5347	288	72	5303	216
--	--	--	74	5326	222
--	--	--	86	5345	258

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
8	5329	24	1	5338	3
17	5334	51	8	5356	24
24	5354	72	9	5322	27
28	5332	84	18	5321	54
31	5335	93	34	5302	102
40	5342	120	41	5323	123
66	5305	198	65	5354	195
84	5353	252	66	5358	198
87	5310	261	69	5320	207
97	5308	291	75	5301	225
--	--	--	95	5326	285
--	--	--	96	5351	288
--	--	--	98	5329	294

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5336	12	3	5350	9
25	5312	75	21	5301	63
31	5358	93	24	5352	72
39	5346	117	36	5338	108
40	5318	120	56	5348	168
43	5341	129	61	5344	183
60	5348	180	71	5307	213
69	5330	207	74	5314	222
73	5351	219	82	5357	246
74	5314	222	85	5353	255
83	5310	249	88	5328	264
93	5354	279	--	--	--
95	5352	285	--	--	--
96	5315	288	--	--	--

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5318	0	28	5325	84
2	5336	6	52	5299	156
3	5319	9	58	5303	174
5	5307	15	59	5353	177
6	5309	18	65	5349	195
28	5301	84	84	5328	252
30	5345	90	85	5326	255
51	5354	153	98	5318	294
55	5327	165	--	--	--
63	5314	189	--	--	--
80	5322	240	--	--	--
82	5347	246	--	--	--
98	5342	294	--	--	--
99	5350	297	--	--	--

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5335	0	2	5338	6
6	5342	18	5	5352	15
32	5358	96	8	5344	24
37	5327	111	10	5341	30
44	5320	132	18	5345	54
65	5351	195	25	5339	75
71	5325	213	49	5342	147
81	5322	243	52	5322	156
84	5316	252	53	5357	159
93	5309	279	55	5337	165
96	5315	288	69	5323	207
--	--	--	71	5327	213
--	--	--	75	5324	225
--	--	--	90	5299	270

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5301	3	3	5298	9
4	5321	12	7	5305	21
7	5325	21	8	5330	24
9	5308	27	9	5345	27
11	5334	33	22	5324	66
15	5326	45	38	5336	114
16	5328	48	44	5339	132
21	5313	63	46	5327	138
34	5347	102	56	5311	168
55	5314	165	66	5352	198
58	5324	174	70	5307	210
59	5312	177	84	5354	252
60	5338	180	96	5302	288
62	5343	186	98	5346	294
96	5320	288	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5342	3	1	5340	3
14	5322	42	3	5324	9
30	5312	90	12	5321	36
46	5341	138	26	5332	78
51	5344	153	47	5298	141
57	5300	171	57	5329	171
66	5302	198	72	5357	216
67	5330	201	74	5333	222
69	5320	207	75	5336	225
84	5331	252	88	5326	264
94	5299	282	96	5327	288

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5317	9	3	5315	9
4	5306	12	5	5309	15
13	5350	39	6	5347	18
16	5323	48	9	5299	27
17	5325	51	10	5349	30
22	5340	66	12	5330	36
24	5322	72	13	5328	39
30	5334	90	30	5303	90
41	5329	123	36	5358	108
66	5348	198	41	5355	123
76	5349	228	51	5313	153
77	5351	231	78	5326	234
78	5338	234	84	5322	252
90	5352	270	97	5308	291
95	5344	285	--	--	--
96	5343	288	--	--	--

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5330	33	3	5307	9
21	5311	63	6	5340	18
23	5319	69	18	5348	54
24	5323	72	23	5313	69
25	5355	75	26	5333	78
26	5321	78	27	5358	81
36	5298	108	32	5301	96
38	5342	114	48	5298	144
62	5304	186	58	5310	174
64	5357	192	61	5308	183
67	5320	201	73	5316	219
68	5343	204	89	5325	267
69	5345	207	--	--	--
78	5326	234	--	--	--
85	5341	255	--	--	--
86	5356	258	--	--	--
96	5354	288	--	--	--
97	5350	291			

Radio B Radar Statistical Performance for 802.11ac-VHT160

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5252	1	578	92	1
2	5252	1	698	76	1
3	5252	1	778	68	1
4	5252	1	838	63	1
5	5252	1	898	59	1
6	5252	1	658	81	1
7	5252	1	558	95	1
8	5252	1	798	67	1
9	5252	1	858	62	1
10	5252	1	678	78	1
11	5252	1	718	74	1
12	5252	1	3066	18	1
13	5252	1	918	58	1
14	5252	1	878	61	1
15	5252	1	618	86	1
16	5252	1	537	99	1
17	5252	1	1375	39	1
18	5252	1	1008	53	1
19	5252	1	2709	20	1
20	5252	1	553	96	1
21	5252	1	1480	36	1
22	5252	1	2704	20	1
23	5252	1	2350	23	1
24	5252	1	1565	34	1
25	5252	1	563	94	1
26	5252	1	1254	43	1
27	5252	1	1313	41	1
28	5252	1	704	75	1
29	5252	1	1753	31	1
30	5252	1	2387	23	1
Detection Percentage (%)					100%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5270	4.7	222	28	1
2	5270	1.7	208	28	1
3	5270	2.4	175	26	1
4	5270	1.8	213	24	1
5	5270	2.1	210	29	1
6	5270	2.4	172	28	1
7	5270	4.1	200	28	1
8	5270	3.1	172	23	1
9	5270	3.5	228	24	1
10	5270	1.7	183	29	1
11	5270	1.4	153	29	1
12	5270	1.2	183	24	1
13	5270	2.4	225	28	1
14	5270	3.8	189	29	1
15	5270	2.7	176	23	1
16	5270	3.5	175	26	1
17	5270	4.5	220	25	1
18	5270	4.8	223	28	1
19	5270	4.4	170	26	1
20	5270	3.7	189	28	1
21	5270	3.2	229	23	1
22	5270	3.9	180	27	1
23	5270	4.5	205	27	1
24	5270	2.7	177	26	1
25	5270	2.4	164	27	1
26	5270	3.6	187	28	1
27	5270	3.1	169	29	1
28	5270	1.6	187	29	1
29	5270	2.9	179	29	1
30	5270	4.3	156	24	1
Detection Percentage (%)					100%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5290	9.5	424	16	1
2	5290	6.8	271	17	1
3	5290	8.9	335	18	1
4	5290	8.1	285	16	1
5	5290	8.5	337	18	1
6	5290	9.6	482	16	1
7	5290	7.8	461	18	1
8	5290	7.7	499	18	1
9	5290	9.7	369	17	1
10	5290	7.6	278	16	1
11	5290	7.5	410	17	1
12	5290	8.4	443	16	1
13	5290	9.2	343	18	1
14	5290	7.5	475	17	1
15	5290	7.5	424	18	1
16	5290	9.5	293	17	1
17	5290	8.7	428	17	1
18	5290	6.8	375	16	1
19	5290	8.1	494	18	1
20	5290	6.9	304	17	1
21	5290	6.7	335	18	1
22	5290	9.6	388	16	1
23	5290	10.0	436	17	1
24	5290	6.4	357	18	1
25	5290	9.0	293	17	1
26	5290	9.1	404	18	1
27	5290	8.7	361	18	1
28	5290	8.0	271	16	1
29	5290	6.5	275	16	1
30	5290	6.1	433	17	1
Detection Percentage (%)					100%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5328	18.2	426	12	1
2	5328	17.2	364	12	1
3	5328	13.3	338	14	1
4	5328	17.8	361	14	1
5	5328	15.5	316	13	1
6	5328	15.1	458	15	1
7	5328	17.8	265	14	1
8	5328	16.4	382	12	1
9	5328	16.9	273	14	1
10	5328	15.3	384	12	1
11	5328	18.8	490	16	1
12	5328	19.7	281	12	1
13	5328	15.4	267	16	1
14	5328	19.2	458	12	1
15	5328	14.8	342	12	1
16	5328	17.7	372	14	1
17	5328	13.3	410	13	1
18	5328	18.8	401	15	1
19	5328	16.5	360	15	1
20	5328	13.5	368	15	1
21	5328	16.8	412	14	1
22	5328	19.7	331	13	1
23	5328	12.4	500	13	1
24	5328	13.2	296	13	1
25	5328	15.2	421	15	1
26	5328	15.8	460	15	1
27	5328	19.2	372	13	1
28	5328	13.5	317	13	1
29	5328	17.7	281	13	1
30	5328	11.9	487	15	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5259.6	1	16	5290.0	1
2	5255.2	1	17	5290.0	1
3	5256.0	1	18	5290.0	1
4	5257.6	1	19	5290.0	1
5	5259.2	1	20	5290.0	1
6	5254.4	1	21	5320.4	1
7	5255.6	1	22	5324.8	1
8	5256.8	1	23	5324.0	1
9	5258.8	1	24	5322.4	1
10	5254.0	1	25	5320.8	1
11	5290.0	1	26	5325.6	1
12	5290.0	1	27	5324.4	1
13	5290.0	1	28	5323.2	1
14	5290.0	1	29	5321.2	1
15	5290.0	1	30	5326.0	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1

Num of Bursts = 15 Burst Interval (us)= 800000										
Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	329351	2	19	70	1829	1230	0	329351	0	799999
2	474953	2	19	50	1632	1155	0	807363	800000	1599999
3	1133743	2	19	65	1217	1102	0	1943893	1600000	2399999
4	1167008	2	19	90	1847	1311	0	3113220	2400000	3199999
5	423455	2	19	60	1245	1687	0	3539833	3200000	3999999
6	1173859	3	19	95	1933	1325	1791	4716624	4000000	4799999
7	321372	3	19	85	1743	1304	1932	5043045	4800000	5599999
8	569502	3	19	75	1365	1311	1853	5617526	5600000	6399999
9	1346141	1	19	90	1571	0	0	6968196	6400000	7199999
10	486342	2	19	100	1397	1477	0	7456109	7200000	7999999
11	1008741	2	19	50	1117	1748	0	8467724	8000000	8799999
12	1099591	1	19	100	1010	0	0	9570180	8800000	9599999
13	362350	2	19	100	1206	1736	0	9933540	9600000	10399999
14	1039384	3	19	95	1974	1159	1850	10975866	10400000	11199999
15	455005	1	19	100	1568	0	0	11435854	11200000	11999999
Total number of pulses in waveform = 31 *****										



Type 5 Radar Waveform_2

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1004828	2	8	85	1723	1342	0	1004828	0	1333332
2	1407069	2	8	90	1493	1991	0	2414962	1333333	2666665
3	694616	2	8	70	1375	1893	0	3113062	2666666	3999998
4	945093	3	8	100	1587	1514	1577	4061423	3999999	5333331
5	1778643	1	8	95	1142	0	0	5844744	5333332	6666664
6	1966634	3	8	85	1105	1128	1978	7812520	6666665	7999997
7	906843	2	8	95	1661	1127	0	8723574	7999998	9333330
8	1790854	3	8	55	1672	1939	1956	10517216	9333331	10666663
9	1457015	3	8	85	1726	1270	1784	11979798	10666664	11999996

Total number of pulses in waveform = 21

Type 5 Radar Waveform_3

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	310721	3	10	50	1598	1540	1200	310721	0	705881
2	1034701	3	10	85	1679	1156	1832	1349760	705882	1411763
3	130867	1	10	70	1768	0	0	1485294	1411764	2117645
4	648280	2	10	95	1702	1381	0	2135342	2117646	2823527
5	1252966	2	10	90	1157	1797	0	3391391	2823528	3529409
6	226387	3	10	70	1073	1097	1134	3620732	3529410	4235291
7	646732	2	10	95	1996	1613	0	4270768	4235292	4941173
8	682575	1	10	70	1916	0	0	4956952	4941174	5647055
9	892917	1	10	100	1314	0	0	5851785	5647056	6352937
10	887401	3	10	95	1867	1852	1777	6740500	6352938	7058819
11	572457	1	10	50	1128	0	0	7318453	7058820	7764701
12	849498	3	10	60	1921	1256	1625	8169079	7764702	8470583
13	327290	3	10	95	1913	1477	1935	8501171	8470584	9176465
14	1257530	2	10	75	1334	1162	0	9764026	9176466	9882347
15	601307	1	10	50	1469	0	0	10367829	9882348	10588229
16	276748	2	10	65	1977	1877	0	10646046	10588230	11294111
17	716237	1	10	55	1869	0	0	11366137	11294112	11999993

Total number of pulses in waveform = 34

Type 5 Radar Waveform_4

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	241207	3	14	80	1580	1887	1784	241207	0	749999
2	1241965	3	14	85	1911	1307	1343	1488423	750000	1499999
3	478420	2	14	65	1275	1598	0	1971404	1500000	2249999
4	795328	3	14	75	1690	1134	1559	2769605	2250000	2999999
5	233369	3	14	85	1300	1130	1147	3007357	3000000	3749999
6	1480041	2	14	65	1266	1925	0	4490975	3750000	4499999
7	360611	3	14	70	1904	1151	1777	4854777	4500000	5249999
8	637174	2	14	100	1797	1229	0	5496783	5250000	5999999
9	968445	1	14	50	1047	0	0	6468254	6000000	6749999
10	320860	1	14	50	1468	0	0	6790161	6750000	7499999
11	923857	3	14	90	1989	1847	1902	7715486	7500000	8249999
12	1200820	1	14	65	1104	0	0	8922044	8250000	8999999
13	300344	3	14	65	1333	1185	1516	9223492	9000000	9749999
14	973138	1	14	60	1513	0	0	10200664	9750000	10499999
15	503303	3	14	75	1372	1728	1665	10705480	10500000	11249999
16	1225818	3	14	60	1688	1372	1268	11936063	11250000	11999999

Total number of pulses in waveform = 37



Type 5 Radar Waveform_5

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	576479	1	18	60	1471	0	0	576479	0	923076
2	694625	2	18	85	1400	1953	0	1272575	923077	1846153
3	1081627	1	18	65	1245	0	0	2357555	1846154	2769230
4	1053933	1	18	75	1763	0	0	3412733	2769231	3692307
5	932638	2	18	90	1171	1740	0	4347134	3692308	4615384
6	348239	3	18	65	1440	1722	1277	4698284	4615385	5538461
7	1324824	1	18	80	1299	0	0	6027547	5538462	6461538
8	603350	3	18	70	1563	1137	1431	6632196	6461539	7384615
9	796317	3	18	75	1488	1747	1508	7432644	7384616	8307692
10	955995	2	18	80	1309	1470	0	8393382	8307693	9230769
11	1499701	1	18	85	1753	0	0	9895862	9230770	10153846
12	456928	2	18	50	1999	1216	0	10354543	10153847	11076923
13	1376211	1	18	60	1890	0	0	11733969	11076924	12000000

Total number of pulses in waveform = 23

Type 5 Radar Waveform_6

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	45158	2	6	90	1009	1664	0	45158	0	749999
2	1092524	1	6	60	1202	0	0	1140355	750000	1499999
3	650338	2	6	60	1068	1114	0	1791895	1500000	2249999
4	810520	2	6	95	1816	1291	0	2604597	2250000	2999999
5	688459	3	6	100	1860	1444	1038	3296163	3000000	3749999
6	527153	2	6	85	1297	1370	0	3827658	3750000	4499999
7	1073262	3	6	100	1750	1798	1850	4903587	4500000	5249999
8	468110	2	6	85	1722	1170	0	5377095	5250000	5999999
9	1275024	1	6	55	1893	0	0	6655011	6000000	6749999
10	381289	1	6	75	1176	0	0	7038193	6750000	7499999
11	465860	2	6	55	1356	1747	0	7505229	7500000	8249999
12	848332	1	6	80	1512	0	0	8356664	8250000	8999999
13	982018	1	6	50	1616	0	0	9340194	9000000	9749999
14	975195	1	6	90	1616	0	0	10317005	9750000	10499999
15	494456	2	6	65	1368	1066	0	10813077	10500000	11249999
16	840888	2	6	80	1061	1067	0	11656399	11250000	11999999

Total number of pulses in waveform = 28

Type 5 Radar Waveform_7

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	95520	2	9	70	1577	1691	0	95520	0	923076
2	1435361	3	9	60	1680	1772	1566	1534149	923077	1846153
3	928422	3	9	90	1341	1954	1594	2467589	1846154	2769230
4	558355	1	9	65	1609	0	0	3030833	2769231	3692307
5	1294516	2	9	55	1894	1567	0	4326958	3692308	4615384
6	1004997	1	9	90	1000	0	0	5335416	4615385	5538461
7	428491	3	9	55	1402	1882	1783	5764907	5538462	6461538
8	1246095	3	9	80	1263	1731	1502	7016069	6461539	7384615
9	864048	1	9	80	1072	0	0	7884613	7384616	8307692
10	690492	1	9	100	1469	0	0	8576177	8307693	9230769
11	1211424	1	9	50	1011	0	0	9789070	9230770	10153846
12	1201348	2	9	75	1593	1231	0	10991429	10153847	11076923
13	123065	2	9	80	1959	1556	0	11117318	11076924	12000000

Total number of pulses in waveform = 25

**Type 5 Radar Waveform_8**

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	122298	2	12	70	1937	1053	0	122298	0	923076
2	1148433	1	12	60	1647	0	0	1273721	923077	1846153
3	1089187	1	12	90	1368	0	0	2364555	1846154	2769230
4	717640	3	12	100	1544	1924	1444	3083563	2769231	3692307
5	844235	3	12	95	1602	1242	1323	3932710	3692308	4615384
6	1137368	2	12	85	1296	1765	0	5074245	4615385	5538461
7	739201	3	12	100	1781	1791	1358	5816507	5538462	6461538
8	1218784	1	12	60	1425	0	0	7040221	6461539	7384615
9	599530	3	12	50	1415	1884	1848	7641176	7384616	8307692
10	1012693	3	12	65	1237	1790	1315	8659016	8307693	9230769
11	1066333	3	12	85	1087	1135	1155	9729691	9230770	10153846
12	505361	1	12	80	1734	0	0	10238429	10153847	11076923
13	867493	2	12	85	1529	1452	0	11107656	11076924	12000000

Total number of pulses in waveform = 28

Type 5 Radar Waveform_9

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	10723	3	17	85	1795	1737	1624	10723	0	999999
2	1477279	1	17	90	1705	0	0	1493158	1000000	1999999
3	1145029	2	17	75	1424	1248	0	2639892	2000000	2999999
4	630600	1	17	90	1792	0	0	3273164	3000000	3999999
5	919118	1	17	80	1377	0	0	4194074	4000000	4999999
6	1147519	1	17	80	1077	0	0	5342970	5000000	5999999
7	1631099	1	17	70	1580	0	0	6975146	6000000	6999999
8	906369	1	17	65	1090	0	0	7883095	7000000	7999999
9	1023467	3	17	80	1613	1514	1401	8907652	8000000	8999999
10	561887	1	17	75	1715	0	0	9474067	9000000	9999999
11	1270456	2	17	80	1184	1892	0	10746238	10000000	10999999
12	1034213	1	17	55	1095	0	0	11783527	11000000	11999999

Total number of pulses in waveform = 18

Type 5 Radar Waveform_10

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	566545	1	5	65	1639	0	0	566545	0	857142
2	878358	1	5	50	1848	0	0	1446542	857143	1714285
3	909439	3	5	75	1294	1870	1644	2357829	1714286	2571428
4	352547	1	5	65	1591	0	0	2715184	2571429	3428571
5	821759	3	5	95	1268	1185	1734	3538534	3428572	4285714
6	852689	1	5	90	1491	0	0	4395410	4285715	5142857
7	1413021	3	5	90	1303	1760	1721	5809922	5142858	6000000
8	901345	3	5	90	1197	1318	1133	6716051	6000001	6857143
9	819923	1	5	65	1724	0	0	7539622	6857144	7714286
10	1001024	2	5	90	1077	1317	0	8542370	7714287	8571429
11	36218	2	5	70	1975	1277	0	8580982	8571430	9428572
12	1071752	1	5	95	1647	0	0	9655986	9428573	10285715
13	1426656	3	5	75	1201	1125	1688	11084289	10285716	11142858
14	725199	2	5	80	1240	1854	0	11813502	11142859	12000001

Total number of pulses in waveform = 27



Type 5 Radar Waveform_11

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	124528	1	19	75	1790	0	0	124528	0	666666
2	794900	3	19	75	1073	1303	1712	921218	666667	1333333
3	920319	1	19	50	1881	0	0	1845625	1333334	2000000
4	624192	1	19	100	1915	0	0	2471698	2000001	2666667
5	786801	2	19	60	1328	1923	0	3260414	2666668	3333334
6	469139	1	19	90	1134	0	0	3732804	3333335	4000001
7	802768	3	19	85	1540	1267	1486	4536706	4000002	4666668
8	476139	1	19	60	1815	0	0	5017138	4666669	5333335
9	674565	1	19	90	1916	0	0	5693518	5333336	6000002
10	931037	1	19	90	1372	0	0	6626471	6000003	6666669
11	63675	1	19	65	1782	0	0	6691518	6666670	7333336
12	709685	2	19	75	1175	1345	0	7402985	7333337	8000003
13	864277	3	19	75	1200	1288	1594	8269782	8000004	8666670
14	727305	2	19	85	1810	1275	0	9001169	8666671	9333337
15	482711	1	19	100	1775	0	0	9486965	9333338	10000004
16	982039	3	19	60	1025	1172	1989	10470779	10000005	10666671
17	563118	1	19	100	1934	0	0	11038083	10666672	11333338
18	681488	1	19	95	1391	0	0	11721505	11333339	12000005

Total number of pulses in waveform = 29

Type 5 Radar Waveform_12

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	208508	3	8	85	1151	1710	1507	208508	0	1499999
2	2258646	3	8	95	1313	1621	1900	2471522	1500000	2999999
3	1571627	1	8	65	1969	0	0	4047983	3000000	4499999
4	1188989	1	8	85	1388	0	0	5238941	4500000	5999999
5	1213435	3	8	50	1500	1001	1125	6453764	6000000	7499999
6	2272366	3	8	100	1754	1172	1126	8729756	7500000	8999999
7	755475	2	8	80	1304	1907	0	9489283	9000000	10499999
8	2191964	1	8	80	1230	0	0	11684458	10500000	11999999

Total number of pulses in waveform = 17

Type 5 Radar Waveform_13

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	544354	1	10	50	1901	0	0	544354	0	631578
2	500074	2	10	55	1289	1915	0	1046329	631579	1263157
3	598126	2	10	55	1599	1021	0	1647659	1263158	1894736
4	520167	3	10	90	1325	1277	1919	2170446	1894737	2526315
5	436296	3	10	85	1895	1619	1550	2611263	2526316	3157894
6	767144	1	10	50	1780	0	0	3383471	3157895	3789473
7	467517	1	10	85	1346	0	0	3852768	3789474	4421052
8	894516	2	10	50	1761	1106	0	4748630	4421053	5052631
9	419247	3	10	55	1035	1064	1676	5170744	5052632	5684210
10	691519	1	10	55	1558	0	0	5866038	5684211	6315789
11	738139	3	10	50	1181	1774	1857	6605735	6315790	6947368
12	809153	3	10	55	1727	1206	1671	7419700	6947369	7578947
13	651545	2	10	85	1780	1700	0	8075849	7578948	8210526
14	753342	3	10	95	1733	1106	1145	8832671	8210527	8842105
15	291497	1	10	60	1592	0	0	9128152	8842106	9473684
16	880033	2	10	95	1277	1464	0	10009777	9473685	10105263
17	281467	1	10	60	1693	0	0	10293985	10105264	10736842
18	783467	2	10	95	1427	1050	0	11079145	10736843	11368421
19	410671	1	10	90	1933	0	0	11492293	11368422	12000000

Total number of pulses in waveform = 37



Type 5 Radar Waveform_14

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	256354	3	14	80	1765	1362	1578	256354	0	749999
2	717304	2	14	80	1830	1362	0	978363	750000	1499999
3	946636	1	14	65	1805	0	0	1928191	1500000	2249999
4	993931	1	14	55	1360	0	0	2923927	2250000	2999999
5	570429	1	14	70	1560	0	0	3495716	3000000	3749999
6	854824	3	14	80	1430	1668	1500	4352100	3750000	4499999
7	144848	1	14	95	1806	0	0	4501546	4500000	5249999
8	1309161	2	14	90	1733	1296	0	5812513	5250000	5999999
9	191059	2	14	80	1047	1178	0	6006601	6000000	6749999
10	1304845	3	14	100	1518	1138	1386	7313671	6750000	7499999
11	268847	1	14	65	1598	0	0	7586560	7500000	8249999
12	775445	1	14	50	1612	0	0	8363603	8250000	8999999
13	863501	1	14	65	1181	0	0	9228716	9000000	9749999
14	544641	3	14	70	1289	1955	1929	9774538	9750000	10499999
15	824648	3	14	90	1921	1188	1654	10604359	10500000	11249999
16	980884	3	14	90	1076	1390	1100	11590006	11250000	11999999

Total number of pulses in waveform = 31

Type 5 Radar Waveform_15

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	435387	2	18	90	1696	1544	0	435387	0	599999
2	657566	3	18	95	1836	1608	1461	1096193	600000	1199999
3	231214	2	18	55	1753	1658	0	1332312	1200000	1799999
4	594027	3	18	75	1403	1477	1333	1929750	1800000	2399999
5	974154	1	18	90	1447	0	0	2908117	2400000	2999999
6	167100	3	18	80	1723	1751	1562	3076664	3000000	3599999
7	542797	2	18	60	1622	1665	0	3624497	3600000	4199999
8	861502	3	18	100	1729	1120	1730	4489286	4200000	4799999
9	823535	2	18	80	1832	1911	0	5317400	4800000	5399999
10	358050	1	18	75	1587	0	0	5679193	5400000	5999999
11	411459	2	18	90	1341	1985	0	6092239	6000000	6599999
12	708228	3	18	55	1180	1821	1952	6803793	6600000	7199999
13	909785	1	18	55	1654	0	0	7718531	7200000	7799999
14	383366	1	18	100	1099	0	0	8103551	7800000	8399999
15	730941	1	18	60	1904	0	0	8835591	8400000	8999999
16	727580	3	18	100	1940	1266	1829	9565075	9000000	9599999
17	505206	3	18	80	1232	1780	1427	10075316	9600000	10199999
18	194911	1	18	70	1024	0	0	10274666	10200000	10799999
19	1050689	3	18	85	1616	1338	1367	11326379	10800000	11399999
20	448369	3	18	65	1685	1973	1509	11779069	11400000	11999999

Total number of pulses in waveform = 43

Type 5 Radar Waveform_16

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	775278	1	6	100	1450	0	0	775278	0	999999
2	470164	3	6	55	1020	1854	1012	1246892	1000000	1999999
3	1348178	2	6	65	1506	1204	0	2598956	2000000	2999999
4	844414	2	6	50	1741	1940	0	3446080	3000000	3999999
5	1379616	2	6	100	1105	1726	0	4829377	4000000	4999999
6	468468	1	6	95	1756	0	0	5300676	5000000	5999999
7	1083168	3	6	70	1255	1291	1645	6385600	6000000	6999999
8	1225535	1	6	95	1371	0	0	7615326	7000000	7999999
9	1094049	1	6	75	1079	0	0	8710746	8000000	8999999
10	596332	2	6	55	1744	1979	0	9308157	9000000	9999999
11	1660626	2	6	60	1063	1284	0	10972506	10000000	10999999
12	491533	3	6	65	1573	1491	1530	11466386	11000000	11999999

Total number of pulses in waveform = 23



Type 5 Radar Waveform_17

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	388651	2	9	60	1519	1689	0	388651	0	857142
2	1073346	1	9	65	1496	0	0	1465205	857143	1714285
3	798388	3	9	55	1475	1403	1623	2265089	1714286	2571428
4	1010456	2	9	60	1161	1182	0	3280046	2571429	3428571
5	233982	1	9	80	1397	0	0	3516371	3428572	4285714
6	908363	2	9	70	1154	1232	0	4426131	4285715	5142857
7	1080661	1	9	60	1217	0	0	5509178	5142858	6000000
8	543654	1	9	70	1045	0	0	6054049	6000001	6857143
9	1173334	3	9	65	1633	1288	1517	7228428	6857144	7714286
10	1247334	1	9	70	1377	0	0	8480200	7714287	8571429
11	185427	3	9	65	1748	1519	1850	8667004	8571430	9428572
12	844415	1	9	100	1252	0	0	9516536	9428573	10285715
13	1025720	2	9	95	1576	1659	0	10543508	10285716	11142858
14	1246578	3	9	80	1945	1060	1449	11793321	11142859	12000001

Total number of pulses in waveform = 26

Type 5 Radar Waveform_18

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	625935	1	12	75	1982	0	0	625935	0	857142
2	274511	1	12	85	1122	0	0	902428	857143	1714285
3	872588	2	12	75	1602	1347	0	1776138	1714286	2571428
4	1040658	3	12	100	1699	1355	1023	2819745	2571429	3428571
5	1354276	1	12	90	1978	0	0	4178098	3428572	4285714
6	116723	3	12	75	1530	1711	1161	4296799	4285715	5142857
7	902973	1	12	90	1854	0	0	5204174	5142858	6000000
8	1044460	2	12	100	1811	1393	0	6250488	6000001	6857143
9	1270674	3	12	60	1425	1490	1051	7524366	6857144	7714286
10	253014	1	12	60	1660	0	0	7781346	7714287	8571429
11	1192240	2	12	100	1912	1982	0	8975246	8571430	9428572
12	1031355	2	12	80	1571	1938	0	10010495	9428573	10285715
13	899438	1	12	100	1318	0	0	10913442	10285716	11142858
14	841863	1	12	100	1753	0	0	11756623	11142859	12000001

Total number of pulses in waveform = 24

Type 5 Radar Waveform_19

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	63431	2	17	55	1332	1408	0	63431	0	999999
2	1393980	2	17	55	1373	1510	0	1460151	1000000	1999999
3	568846	3	17	85	1124	1803	1322	2031880	2000000	2999999
4	1683163	1	17	50	1697	0	0	3719292	3000000	3999999
5	891470	2	17	95	1992	1912	0	4612459	4000000	4999999
6	467836	1	17	65	1484	0	0	5084199	5000000	5999999
7	1562252	2	17	60	1641	1608	0	6647935	6000000	6999999
8	554486	2	17	55	1716	1883	0	7205670	7000000	7999999
9	1136286	3	17	85	1099	1681	1839	8345555	8000000	8999999
10	711174	3	17	50	1071	1117	1533	9061348	9000000	9999999
11	1590605	3	17	70	1746	1895	1112	10655674	10000000	10999999
12	497076	3	17	50	1214	1200	1622	11157503	11000000	11999999

Total number of pulses in waveform = 27

**Type 5 Radar Waveform_20**

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1233262	2	5	95	1412	1395	0	1233262	0	1333332
2	558794	3	5	60	1556	1771	1756	1794863	1333333	2666665
3	1045060	2	5	75	1875	1281	0	2845006	2666666	3999998
4	2223836	2	5	100	1477	1745	0	5071998	3999999	5333331
5	671473	3	5	55	1385	1094	1411	5746693	5333332	6666664
6	1767684	2	5	80	1119	1548	0	7518267	6666665	7999997
7	865657	1	5	95	1636	0	0	8386591	7999998	9333330
8	1844729	3	5	50	1849	1093	1874	10232956	9333331	10666663
9	1444989	3	5	70	1181	1376	1235	11682761	10666664	11999996

Total number of pulses in waveform = 21

Type 5 Radar Waveform_21

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	266312	3	19	50	1532	1651	1624	266312	0	666666
2	963497	3	19	55	1225	1896	1984	1234616	666667	1333333
3	735568	2	19	95	1549	1798	0	1975289	1333334	2000000
4	619417	3	19	70	1039	1034	1007	2598053	2000001	2666667
5	204645	3	19	75	1623	1084	1516	2805778	2666668	3333334
6	1010398	3	19	55	1513	1910	1869	3820399	3333335	4000001
7	178154	2	19	75	1932	1853	0	4003845	4000002	4666668
8	876507	3	19	75	1284	1331	1335	4884137	4666669	5333335
9	846766	1	19	90	1342	0	0	5734853	5333336	6000002
10	573625	2	19	70	1951	1769	0	6309820	6000003	6666669
11	476571	2	19	95	1828	1896	0	6790111	6666670	7333336
12	603882	3	19	75	1356	1271	1546	7397717	7333337	8000003
13	1245719	1	19	70	1835	0	0	8647609	8000004	8666670
14	142383	2	19	85	1084	1531	0	8791827	8666671	9333337
15	1187395	2	19	80	1245	1887	0	9981837	9333338	10000004
16	645646	2	19	65	1710	1257	0	10630615	10000005	10666671
17	515748	1	19	70	1061	0	0	11149330	10666672	11333338
18	749075	2	19	100	1124	1912	0	11899466	11333339	12000005

Total number of pulses in waveform = 40

Type 5 Radar Waveform_22

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1315329	2	8	55	1020	1677	0	1315329	0	1499999
2	1076672	1	8	75	1901	0	0	2394698	1500000	2999999
3	981005	3	8	65	1905	1840	1512	3377604	3000000	4499999
4	1925360	1	8	95	1077	0	0	5308221	4500000	5999999
5	1002311	1	8	50	1767	0	0	6311609	6000000	7499999
6	2152756	1	8	75	1943	0	0	8466132	7500000	8999999
7	1411081	2	8	55	1958	1227	0	9879156	9000000	10499999
8	667886	3	8	75	1718	1567	1582	10550227	10500000	11999999

Total number of pulses in waveform = 14



Type 5 Radar Waveform_23

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	9621	2	10	70	1019	1678	0	9621	0	599999
2	807301	3	10	65	1427	1297	1004	819619	600000	1199999
3	398882	2	10	60	1838	1061	0	1222229	1200000	1799999
4	1083594	2	10	70	1681	1473	0	2308722	1800000	2399999
5	615033	1	10	75	1027	0	0	2926909	2400000	2999999
6	268101	1	10	55	1742	0	0	3196037	3000000	3599999
7	502638	2	10	80	1101	1289	0	3700417	3600000	4199999
8	761097	3	10	60	1711	1494	1332	4463904	4200000	4799999
9	805412	3	10	50	1240	1006	1056	5273853	4800000	5399999
10	156605	1	10	60	1353	0	0	5433760	5400000	5999999
11	831615	2	10	50	1233	1911	0	6266728	6000000	6599999
12	655126	1	10	90	1507	0	0	6924998	6600000	7199999
13	821120	2	10	50	1972	1234	0	7747625	7200000	7799999
14	92413	1	10	50	1533	0	0	7843244	7800000	8399999
15	573655	3	10	95	1947	1383	1556	8418432	8400000	8999999
16	666483	1	10	60	1449	0	0	9089801	9000000	9599999
17	965648	3	10	75	1030	1419	1338	10056898	9600000	10199999
18	329147	2	10	60	1011	1336	0	10389832	10200000	10799999
19	853142	3	10	65	1407	1285	1950	11245321	10800000	11399999
20	343647	3	10	95	1001	1730	1987	11593610	11400000	11999999

Total number of pulses in waveform = 41

Type 5 Radar Waveform_24

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	469686	3	14	65	1761	1381	1742	469686	0	1090908
2	988218	3	14	85	1840	1324	1687	1462788	1090909	2181817
3	909780	2	14	80	1528	1304	0	2377419	2181818	3272726
4	961620	3	14	75	1130	1601	1350	3341871	3272727	4363635
5	1574453	3	14	60	1987	1491	1617	4920405	4363636	5454544
6	1133556	2	14	90	1934	1008	0	6059056	5454545	6545453
7	1231762	2	14	60	1675	1270	0	7293760	6545454	7636362
8	442226	1	14	75	1513	0	0	7738931	7636363	8727271
9	1712473	2	14	70	1630	1935	0	9452917	8727272	9818180
10	1222561	3	14	55	1721	1603	1715	10679043	9818181	10909089
11	734877	1	14	95	1530	0	0	11418959	10909090	11999998

Total number of pulses in waveform = 25

Type 5 Radar Waveform_25

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	413008	3	18	95	1485	1161	1989	413008	0	666666
2	383278	1	18	90	1731	0	0	800921	666667	1333333
3	891772	2	18	70	1919	1709	0	1694424	1333334	2000000
4	311981	1	18	50	1772	0	0	2010033	2000001	2666667
5	1139841	3	18	100	1206	1186	1402	3151646	2666668	3333334
6	692073	2	18	100	1405	1379	0	3847513	3333335	4000001
7	556607	3	18	60	1203	1177	1675	4406904	4000002	4666668
8	497660	2	18	75	1340	1701	0	4908619	4666669	5333335
9	807975	2	18	65	1787	1057	0	5719635	5333336	6000002
10	715392	3	18	65	1441	1492	1454	6437871	6000003	6666669
11	774890	2	18	90	1173	1718	0	7217148	6666670	7333336
12	593013	2	18	95	1057	1055	0	7813052	7333337	8000003
13	689097	2	18	90	1214	1626	0	8504261	8000004	8666670
14	486649	2	18	60	1826	1566	0	8993750	8666671	9333337
15	968118	3	18	90	1827	1559	1399	9965260	9333338	10000004
16	555123	2	18	70	1810	1446	0	10525168	10000005	10666671
17	738838	3	18	95	1029	1649	1971	11267262	10666672	11333338
18	488897	1	18	60	1079	0	0	11760808	11333339	12000005

Total number of pulses in waveform = 39



Type 5 Radar Waveform_26

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	557402	3	6	85	1962	1857	1896	557402	0	705881
2	203671	2	6	90	1697	1483	0	766788	705882	1411763
3	825293	1	6	100	1714	0	0	1595261	1411764	2117645
4	1221956	2	6	95	1834	1970	0	2818931	2117646	2823527
5	533148	1	6	50	1033	0	0	3355883	2823528	3529409
6	435005	2	6	100	1968	1425	0	3791921	3529410	4235291
7	679556	1	6	70	1058	0	0	4474870	4235292	4941173
8	864225	2	6	85	1146	1050	0	5340153	4941174	5647055
9	880868	2	6	60	1537	1069	0	6223217	5647056	6352937
10	394574	1	6	95	1191	0	0	6620397	6352938	7058819
11	682359	3	6	95	1962	1996	1752	7303947	7058820	7764701
12	687631	2	6	60	1923	1510	0	7997288	7764702	8470583
13	907093	1	6	65	1836	0	0	8907814	8470584	9176465
14	793200	1	6	100	1290	0	0	9702850	9176466	9882347
15	360815	2	6	70	1191	1618	0	10064955	9882348	10588229
16	1104817	3	6	80	1636	1283	1145	11172581	10588230	11294111
17	646848	3	6	80	1123	1289	1786	11823493	11294112	11999993

Total number of pulses in waveform = 32

Type 5 Radar Waveform_27

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	723798	1	9	80	1991	0	0	723798	0	857142
2	526321	3	9	55	1113	1289	1625	1252110	857143	1714285
3	619341	1	9	90	1370	0	0	1875478	1714286	2571428
4	1365014	1	9	70	1221	0	0	3241862	2571429	3428571
5	563213	2	9	50	1201	1094	0	3806296	3428572	4285714
6	706653	1	9	100	1273	0	0	4515244	4285715	5142857
7	849653	2	9	65	1660	1489	0	5366170	5142858	6000000
8	866274	2	9	100	1758	1401	0	6235593	6000001	6857143
9	935179	1	9	95	1583	0	0	7173931	6857144	7714286
10	1003199	2	9	65	1539	1863	0	8178713	7714287	8571429
11	575119	1	9	90	1909	0	0	8757234	8571430	9428572
12	878590	3	9	50	1494	1389	1094	9637733	9428573	10285715
13	1065981	3	9	50	1217	1278	1563	10707691	10285716	11142858
14	1145080	3	9	55	1300	1906	1618	11856829	11142859	12000001

Total number of pulses in waveform = 26

Type 5 Radar Waveform_28

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	214957	2	12	65	1677	1416	0	214957	0	749999
2	1032985	3	12	60	1610	1929	1194	1251035	750000	1499999
3	513125	2	12	50	1457	1265	0	1768893	1500000	2249999
4	776379	1	12	90	1744	0	0	2547994	2250000	2999999
5	1116970	3	12	80	1430	1374	1259	3666708	3000000	3749999
6	559891	3	12	55	1477	1710	1141	4230662	3750000	4499999
7	551584	1	12	70	1269	0	0	4786574	4500000	5249999
8	989682	2	12	70	1832	1208	0	5777525	5250000	5999999
9	461678	2	12	75	1148	1109	0	6242243	6000000	6749999
10	1252993	1	12	55	1836	0	0	7497493	6750000	7499999
11	612814	3	12	90	1812	1323	1390	8112143	7500000	8249999
12	748009	1	12	85	1637	0	0	8864677	8250000	8999999
13	583228	1	12	85	1558	0	0	9449542	9000000	9749999
14	973920	3	12	70	1982	1947	1556	10425020	9750000	10499999
15	686435	1	12	90	1313	0	0	11116940	10500000	11249999
16	412013	2	12	60	1333	1574	0	11530266	11250000	11999999

Total number of pulses in waveform = 31



Type 5 Radar Waveform_29

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	788788	2	17	100	1667	1524	0	788788	0	799999
2	451737	3	17	95	1656	1286	1885	1243716	800000	1599999
3	757537	1	17	50	1174	0	0	2006080	1600000	2399999
4	854738	3	17	55	1893	1768	1618	2861992	2400000	3199999
5	914273	2	17	50	1992	1235	0	3781544	3200000	3999999
6	970101	1	17	55	1526	0	0	4754872	4000000	4799999
7	468476	2	17	70	1260	1750	0	5224874	4800000	5599999
8	587937	3	17	80	1372	1222	1069	5815821	5600000	6399999
9	1305314	2	17	85	1886	1781	0	7124798	6400000	7199999
10	218287	3	17	55	1487	1293	1301	7346752	7200000	7999999
11	973347	1	17	100	1107	0	0	8324180	8000000	8799999
12	1090756	2	17	85	1459	1381	0	9416043	8800000	9599999
13	483870	1	17	85	1122	0	0	9902753	9600000	10399999
14	985065	3	17	70	1811	1590	1170	10888940	10400000	11199999
15	581878	3	17	80	1447	1430	1214	11475389	11200000	11999999

Total number of pulses in waveform = 32

Type 5 Radar Waveform_30

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	677178	2	5	100	1606	1190	0	677178	0	749999
2	485216	1	5	50	1012	0	0	1165190	750000	1499999
3	833501	2	5	100	1221	1484	0	1999703	1500000	2249999
4	762869	3	5	60	1845	1782	1150	2765277	2250000	2999999
5	365687	2	5	95	1582	1932	0	3135741	3000000	3749999
6	717880	2	5	60	1542	1560	0	3857135	3750000	4499999
7	1010497	3	5	95	1783	1262	1139	4870734	4500000	5249999
8	766034	2	5	70	1999	1844	0	5640952	5250000	5999999
9	832939	2	5	80	1974	1007	0	6477734	6000000	6749999
10	942168	3	5	70	1323	1901	1999	7422883	6750000	7499999
11	97744	2	5	100	1314	1753	0	7525850	7500000	8249999
12	1106451	3	5	85	1475	1804	1657	8635368	8250000	8999999
13	847806	3	5	75	1044	1646	1298	9488110	9000000	9749999
14	437550	2	5	80	1120	1718	0	9929648	9750000	10499999
15	588749	1	5	75	1316	0	0	10521235	10500000	11249999
16	1052126	3	5	85	1571	1532	1860	11574677	11250000	11999999

Total number of pulses in waveform = 36

Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5290	1	16	5290	1
2	5290	1	17	5290	1
3	5290	1	18	5290	1
4	5290	1	19	5290	1
5	5290	1	20	5290	1
6	5290	1	21	5290	1
7	5290	1	22	5290	1
8	5290	1	23	5290	1
9	5290	1	24	5290	1
10	5290	1	25	5290	1
11	5290	1	26	5290	1
12	5290	1	27	5290	1
13	5290	1	28	5290	1
14	5290	1	29	5290	1
15	5290	1	30	5290	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5313	21	6	5311	18
18	5339	54	8	5339	24
21	5357	63	13	5330	39
38	5314	114	26	5305	78
39	5317	117	38	5299	114
46	5347	138	56	5321	168
50	5333	150	57	5351	171
55	5319	165	69	5355	207
65	5326	195	81	5301	243
--	--	--	92	5343	276
--	--	--	97	5324	291
--	--	--	99	5335	297

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5348	15	4	5337	12
22	5327	66	6	5328	18
25	5354	75	16	5331	48
32	5353	96	18	5338	54
34	5319	102	29	5332	87
37	5323	111	35	5302	105
48	5308	144	53	5343	159
50	5326	150	68	5305	204
56	5330	168	76	5341	228
68	5299	204	87	5342	261
77	5297	231	88	5347	264
89	5312	267	89	5334	267
90	5338	270	91	5353	273
5	5348	15	92	5319	276
--	--	--	97	5324	291

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5319	0	4	5330	12
5	5320	15	8	5324	24
14	5304	42	19	5339	57
19	5338	57	26	5321	78
20	5306	60	38	5332	114
33	5337	99	70	5305	210
34	5350	102	71	5302	213
38	5353	114	73	5342	219
40	5316	120	78	5310	234
57	5315	171	90	5331	270
68	5326	204	--	--	--
69	5323	207	--	--	--
71	5297	213	--	--	--
72	5309	216	--	--	--
76	5311	228	--	--	--

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5321	6	5	5332	15
4	5314	12	8	5319	24
8	5351	24	30	5342	90
16	5313	48	34	5298	102
23	5316	69	40	5316	120
25	5357	75	48	5300	144
27	5347	81	52	5302	156
31	5322	93	54	5346	162
37	5305	111	65	5310	195
38	5330	114	67	5307	201
54	5343	162	73	5345	219
59	5317	177	87	5333	261
68	5297	204	89	5357	267
75	5356	225	94	5299	282
79	5340	237	--	--	--
97	5337	291	--	--	--

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
15	5311	45	0	5322	0
16	5349	48	15	5303	45
20	5356	60	20	5347	60
43	5346	129	33	5344	99
47	5332	141	51	5342	153
52	5307	156	63	5352	189
68	5314	204	66	5313	198
80	5309	240	68	5305	204
83	5322	249	73	5317	219
84	5355	252	82	5355	246
89	5318	267	85	5339	255
93	5325	279	87	5327	261
--	--	--	88	5311	264
--	--	--	89	5335	267

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5330	30	13	5324	39
18	5309	54	23	5356	69
19	5313	57	38	5337	114
24	5349	72	39	5322	117
26	5346	78	43	5315	129
37	5316	111	45	5340	135
60	5338	180	59	5333	177
64	5337	192	63	5309	189
69	5312	207	64	5305	192
71	5297	213	67	5316	201
72	5317	216	72	5336	216
73	5301	219	--	--	--
83	5320	249	--	--	--
89	5324	267	--	--	--

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5298	30	7	5317	21
15	5349	45	9	5320	27
21	5330	63	12	5349	36
31	5323	93	34	5324	102
33	5343	99	38	5299	114
34	5315	102	39	5350	117
38	5309	114	42	5338	126
42	5311	126	44	5311	132
43	5325	129	51	5347	153
48	5352	144	59	5353	177
49	5320	147	67	5333	201
60	5344	180	69	5297	207
66	5336	198	87	5331	261
69	5334	207	--	--	--
88	5342	264	--	--	--

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5319	0	31	5315	93
1	5328	3	32	5308	96
5	5343	15	51	5311	153
20	5344	60	53	5357	159
23	5353	69	64	5347	192
51	5318	153	69	5353	207
60	5352	180	92	5338	276
62	5349	186	94	5328	282
65	5325	195	--	--	--
97	5302	291	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5309	0	1	5328	3
8	5315	24	13	5331	39
10	5338	30	14	5334	42
24	5344	72	32	5304	96
26	5341	78	49	5355	147
29	5319	87	55	5306	165
49	5312	147	65	5356	195
63	5347	189	69	5308	207
70	5311	210	75	5352	225
87	5308	261	95	5319	285
94	5306	282	--	--	--

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
9	5325	27	8	5314	24
12	5335	36	28	5355	84
18	5350	54	40	5302	120
33	5319	99	47	5324	141
44	5303	132	59	5298	177
45	5322	135	82	5304	246
48	5349	144	83	5322	249
72	5348	216	91	5331	273
84	5341	252	98	5323	294
99	5326	297	99	5348	297

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5330	6	3	5335	9
7	5318	21	15	5325	45
22	5303	66	26	5327	78
32	5333	96	30	5333	90
40	5305	120	37	5304	111
41	5320	123	43	5341	129
52	5340	156	44	5339	132
62	5299	186	51	5332	153
85	5306	255	65	5297	195
89	5346	267	76	5334	228
96	5304	288	80	5346	240
97	5315	291	81	5340	243
--	--	--	88	5347	264
--	--	--	89	5336	267

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
24	5353	72	15	5298	45
25	5344	75	17	5308	51
40	5347	120	18	5311	54
46	5345	138	38	5326	114
49	5326	147	49	5307	147
52	5319	156	52	5350	156
72	5298	216	55	5354	165
73	5307	219	59	5336	177
76	5333	228	72	5333	216
80	5337	240	74	5320	222
82	5350	246	76	5349	228

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5337	6	3	5333	9
11	5306	33	19	5351	57
22	5316	66	30	5320	90
27	5320	81	42	5303	126
33	5347	99	48	5349	144
36	5318	108	50	5313	150
38	5321	114	51	5337	153
39	5345	117	58	5356	174
40	5323	120	60	5307	180
69	5310	207	87	5338	261
70	5350	210	92	5310	276
85	5346	255	95	5331	285
87	5342	261	--	--	--

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5300	9	16	5326	48
8	5345	24	33	5335	99
16	5346	48	35	5308	105
29	5312	87	38	5336	114
32	5331	96	45	5307	135
33	5304	99	48	5341	144
40	5333	120	52	5342	156
56	5355	168	64	5297	192
65	5350	195	70	5303	210
66	5338	198	78	5318	234
74	5307	222	97	5316	291
85	5306	255	98	5355	294
86	5325	258	99	5346	297
87	5330	261	--	--	--

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
13	5348	39	5	5321	15
21	5334	63	17	5315	51
29	5318	87	22	5302	66
52	5321	156	26	5311	78
58	5332	174	28	5334	84
64	5351	192	29	5329	87
72	5343	216	36	5297	108
76	5341	228	45	5333	135
77	5333	231	55	5357	165
81	5322	243	67	5330	201
84	5304	252	75	5332	225
90	5352	270	81	5306	243
97	5330	291	82	5355	246
13	5348	39	90	5304	270
--	--	--	91	5309	273
--	--	--	92	5352	276

Radio C Statistical Performance Check for 802.11a

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5292	1	918	58	1
2	5292	1	898	59	1
3	5292	1	698	76	1
4	5292	1	518	102	1
5	5292	1	858	62	1
6	5292	1	558	95	1
7	5292	1	638	83	1
8	5292	1	778	68	1
9	5292	1	3066	18	1
10	5292	1	878	61	1
11	5292	1	658	81	1
12	5292	1	738	72	1
13	5292	1	598	89	1
14	5292	1	938	57	1
15	5292	1	818	65	1
16	5292	1	2052	26	1
17	5292	1	990	54	1
18	5292	1	1715	31	1
19	5292	1	1866	29	1
20	5292	1	2256	24	1
21	5292	1	1620	33	1
22	5292	1	2814	19	1
23	5292	1	2853	19	1
24	5292	1	777	68	1
25	5292	1	891	60	1
26	5292	1	1026	52	1
27	5292	1	2307	23	1
28	5292	1	2911	19	1
29	5292	1	969	55	1
30	5292	1	2941	18	1
Detection Percentage (%)					100%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5300	4.5	214	29	1
2	5300	4.2	200	26	1
3	5300	1.9	220	29	1
4	5300	4.0	218	26	1
5	5300	3.6	206	23	1
6	5300	3.1	154	29	1
7	5300	2.0	215	23	1
8	5300	2.6	225	27	1
9	5300	1.0	172	28	1
10	5300	3.6	203	24	1
11	5300	3.2	172	23	1
12	5300	3.0	179	27	1
13	5300	5.0	187	28	1
14	5300	3.3	203	28	1
15	5300	3.7	226	26	1
16	5300	3.1	198	28	1
17	5300	1.3	166	24	1
18	5300	4.9	193	26	1
19	5300	1.0	200	25	1
20	5300	4.9	226	27	1
21	5300	1.5	207	28	1
22	5300	2.1	183	23	1
23	5300	1.3	153	27	1
24	5300	1.1	202	25	1
25	5300	2.8	188	28	1
26	5300	2.4	152	26	1
27	5300	2.6	203	29	1
28	5300	1.5	158	26	1
29	5300	2.7	209	24	1
30	5300	2.2	170	26	1
Detection Percentage (%)					100%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5308	8.1	342	16	1
2	5308	8.8	372	18	1
3	5308	6.9	466	18	1
4	5308	7.4	363	18	1
5	5308	6.9	478	17	1
6	5308	7.6	254	16	1
7	5308	7.1	442	18	1
8	5308	7.8	407	17	1
9	5308	6.7	490	17	1
10	5308	7.6	297	18	1
11	5308	6.3	372	16	1
12	5308	7.9	428	17	1
13	5308	9.0	416	18	1
14	5308	7.6	434	16	1
15	5308	8.8	339	16	1
16	5308	8.4	490	18	1
17	5308	9.2	389	18	1
18	5308	6.1	484	16	1
19	5308	9.8	449	18	1
20	5308	9.7	264	18	1
21	5308	8.3	471	17	1
22	5308	7.0	303	17	1
23	5308	7.7	259	18	1
24	5308	8.9	355	18	1
25	5308	6.5	485	18	1
26	5308	6.7	417	17	1
27	5308	6.2	299	18	1
28	5308	9.6	427	16	1
29	5308	6.3	426	17	1
30	5308	8.7	436	16	1
Detection Percentage (%)					100%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5300	15.9	381	13	1
2	5300	12.5	366	16	1
3	5300	13.8	396	16	1
4	5300	12.8	440	12	1
5	5300	17.1	396	13	1
6	5300	14.3	425	14	1
7	5300	19.8	274	16	1
8	5300	12.0	288	16	1
9	5300	15.9	288	15	1
10	5300	17.8	490	13	1
11	5300	11.2	464	15	1
12	5300	19.4	387	16	1
13	5300	19.9	273	16	1
14	5300	17.3	323	14	1
15	5300	14.7	315	14	1
16	5300	15.2	307	15	1
17	5300	16.5	323	16	1
18	5300	13.7	302	13	1
19	5300	16.6	433	14	1
20	5300	15.3	411	16	1
21	5300	19.8	463	12	1
22	5300	19.6	455	14	1
23	5300	17.0	315	15	1
24	5300	18.7	307	15	1
25	5300	17.5	394	15	1
26	5300	19.5	366	14	1
27	5300	17.0	447	13	1
28	5300	17.0	254	14	1
29	5300	14.5	447	12	1
30	5300	14.8	423	14	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5299.6	1	16	5300.0	1
2	5295.2	1	17	5300.0	1
3	5296.0	1	18	5300.0	1
4	5297.6	1	19	5300.0	1
5	5299.2	1	20	5300.0	1
6	5294.4	1	21	5300.4	1
7	5295.6	1	22	5304.8	1
8	5296.8	1	23	5304.0	1
9	5298.8	1	24	5302.4	1
10	5294.0	1	25	5300.8	1
11	5300.0	1	26	5305.6	1
12	5300.0	1	27	5304.4	1
13	5300.0	1	28	5303.2	1
14	5300.0	1	29	5301.2	1
15	5300.0	1	30	5306.0	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1

Num of Bursts = 16
Burst Interval (us) = 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	411771	1	19	80	1991	0	0	411771	0	749999
2	635470	2	19	100	1088	1718	0	1049232	750000	1499999
3	1106411	2	19	75	1722	1917	0	2158449	1500000	2249999
4	510158	3	19	70	1766	1206	1128	2672246	2250000	2999999
5	343876	3	19	75	1770	1894	1781	3020222	3000000	3749999
6	874340	2	19	55	1629	1712	0	3900007	3750000	4499999
7	1085284	3	19	70	1655	1106	1972	4988632	4500000	5249999
8	930767	3	19	75	1571	1702	1964	5924132	5250000	5999999
9	663924	3	19	70	1596	1299	1221	6593293	6000000	6749999
10	865847	3	19	100	1850	1087	1523	7463256	6750000	7499999
11	210487	3	19	50	1310	1437	1837	7678203	7500000	8249999
12	1045646	2	19	95	1151	1344	0	8728433	8250000	8999999
13	938573	3	19	70	1820	1637	1751	9669501	9000000	9749999
14	453338	2	19	75	1392	1745	0	10128047	9750000	10499999
15	373614	3	19	85	1084	1978	1252	10504798	10500000	11249999
16	1140655	3	19	75	1819	1523	1690	11649767	11250000	11999999
Total number of pulses in waveform = 41										

**Type 5 Radar Waveform_2**

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1317805	2	8	70	1597	1482	0	1317805	0	1333332
2	994759	3	8	90	1345	1809	1675	2315643	1333333	2666665
3	1619440	1	8	60	1611	0	0	3939912	2666666	3999998
4	86884	3	8	80	1189	1416	1174	4028407	3999999	5333331
5	1565301	3	8	95	1995	1769	1127	5597487	5333332	6666664
6	1658994	3	8	50	1644	1149	1566	7261372	6666665	7999997
7	1198996	2	8	100	1127	1595	0	8464727	7999998	9333330
8	1207731	1	8	95	1610	0	0	9675180	9333331	10666663
9	2096643	3	8	65	1359	1293	1392	11773433	10666664	11999996

Total number of pulses in waveform = 21

Type 5 Radar Waveform_3

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	686910	1	10	55	1490	0	0	686910	0	923076
2	599991	3	10	60	1811	1661	1871	1288391	923077	1846153
3	1467770	1	10	80	1537	0	0	2761504	1846154	2769230
4	150064	2	10	70	1192	1165	0	2913105	2769231	3692307
5	970836	3	10	70	1292	1881	1342	3886298	3692308	4615384
6	1341971	1	10	100	1413	0	0	5232784	4615385	5538461
7	824585	1	10	65	1530	0	0	6058782	5538462	6461538
8	1058303	3	10	95	1594	1275	1198	7118615	6461539	7384615
9	570224	3	10	50	1648	1489	1993	7692906	7384616	8307692
10	1132700	3	10	65	1665	1549	1290	8830736	8307693	9230769
11	612784	1	10	85	1807	0	0	9448024	9230770	10153846
12	1160164	3	10	95	1726	1119	1072	10609995	10153847	11076923
13	594571	1	10	100	1213	0	0	11208483	11076924	12000000

Total number of pulses in waveform = 26

Type 5 Radar Waveform_4

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1256145	1	14	70	1327	0	0	1256145	0	1333332
2	1149683	3	14	65	1417	1429	1368	2407155	1333333	2666665
3	1223263	1	14	85	1557	0	0	3634632	2666666	3999998
4	1071701	3	14	70	1464	1241	1822	4707890	3999999	5333331
5	1381273	2	14	90	1214	1918	0	6093690	5333332	6666664
6	911858	1	14	75	1070	0	0	7008680	6666665	7999997
7	1771792	1	14	50	1773	0	0	8781542	7999998	9333330
8	950262	2	14	95	1547	1464	0	9733577	9333331	10666663
9	1151952	3	14	100	1425	1729	1181	10888540	10666664	11999996

Total number of pulses in waveform = 17



Type 5 Radar Waveform_5

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	577227	3	18	55	1502	1619	1085	577227	0	631578
2	657557	2	18	55	1201	1934	0	1238990	631579	1263157
3	118182	2	18	65	1785	1256	0	1360307	1263158	1894736
4	707890	2	18	90	1668	1807	0	2071238	1894737	2526315
5	730262	2	18	75	1111	1509	0	2804975	2526316	3157894
6	421050	1	18	85	1960	0	0	3228645	3157895	3789473
7	711628	2	18	80	1516	1780	0	3942233	3789474	4421052
8	1018809	3	18	65	1719	1150	1068	4964338	4421053	5052631
9	110260	1	18	95	1907	0	0	5078535	5052632	5684210
10	884197	2	18	90	1997	1462	0	5964639	5684211	6315789
11	798683	2	18	60	1794	1534	0	6766781	6315790	6947368
12	643121	2	18	90	1216	1877	0	7413230	6947369	7578947
13	206657	3	18	65	1116	1860	1616	7622980	7578948	8210526
14	832435	2	18	95	1992	1593	0	8460007	8210527	8842105
15	893823	2	18	70	1723	1154	0	9357415	8842106	9473684
16	709359	3	18	85	1134	1460	1663	10069651	9473685	10105263
17	160311	1	18	65	1623	0	0	10234219	10105264	10736842
18	839989	1	18	90	1718	0	0	11075831	10736843	11368421
19	783895	3	18	60	1346	1287	1230	11861444	11368422	12000000

Total number of pulses in waveform = 39

Type 5 Radar Waveform_6

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	612926	2	6	70	1952	1880	0	612926	0	1499999
2	1876334	3	6	85	1305	1663	1906	2493092	1500000	2999999
3	1620603	2	6	60	1806	1158	0	4118569	3000000	4499999
4	1806651	1	6	60	1187	0	0	5928184	4500000	5999999
5	713633	2	6	50	1362	1511	0	6643004	6000000	7499999
6	1290463	2	6	65	1276	1725	0	7936340	7500000	8999999
7	2434678	1	6	65	1706	0	0	10374019	9000000	10499999
8	677918	2	6	100	1381	1481	0	11053643	10500000	11999999

Total number of pulses in waveform = 15

Type 5 Radar Waveform_7

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	356006	3	9	75	1965	1754	1681	356006	0	799999
2	790557	1	9	90	1995	0	0	1151963	800000	1599999
3	1058370	2	9	75	1031	1597	0	2212328	1600000	2399999
4	742527	1	9	50	1883	0	0	2957483	2400000	3199999
5	818974	3	9	80	1770	1997	1280	3778340	3200000	3999999
6	317034	3	9	90	1511	1014	1072	4100421	4000000	4799999
7	897346	2	9	85	1851	1110	0	5001364	4800000	5599999
8	700287	3	9	50	1806	1655	1268	5704612	5600000	6399999
9	1053131	3	9	85	1468	1343	1734	6762472	6400000	7199999
10	546360	3	9	100	1376	1787	1713	7313377	7200000	7999999
11	1178920	1	9	75	1556	0	0	8497173	8000000	8799999
12	710451	1	9	75	1988	0	0	9209180	8800000	9599999
13	707030	2	9	80	1477	1469	0	9918198	9600000	10399999
14	774715	3	9	55	1253	1099	1008	10695859	10400000	11199999
15	1069608	3	9	65	1727	1786	1932	11768827	11200000	11999999

Total number of pulses in waveform = 34



Type 5 Radar Waveform_8

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	123831	1	12	65	1841	0	0	123831	0	666666
2	667038	1	12	90	1454	0	0	792710	666667	1333333
3	901182	3	12	75	1524	1842	1616	1695346	1333334	2000000
4	786707	3	12	95	1854	1739	1583	2487035	2000001	2666667
5	665711	2	12	65	1166	1836	0	3157922	2666668	3333334
6	488520	1	12	85	1310	0	0	3649444	3333335	4000001
7	613738	3	12	85	1791	1912	1734	4264492	4000002	4666668
8	814329	3	12	95	1396	1359	1659	5084258	4666669	5333335
9	300028	3	12	70	1589	1798	1603	5388700	5333336	6000002
10	924826	2	12	95	1564	1449	0	6318516	6000003	6666669
11	962036	1	12	85	1173	0	0	7283565	6666670	7333336
12	415685	2	12	55	1682	1272	0	7700423	7333337	8000003
13	449362	1	12	90	1953	0	0	8152739	8000004	8666670
14	703399	1	12	75	1758	0	0	8858091	8666671	9333337
15	969230	1	12	55	1936	0	0	9829079	9333338	10000004
16	257862	2	12	85	1453	1842	0	10088877	10000005	10666671
17	994217	3	12	95	1095	1452	1060	11086389	10666672	11333338
18	412737	2	12	50	1444	1114	0	11502733	11333339	12000005

Total number of pulses in waveform = 35

Type 5 Radar Waveform_9

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	313225	1	17	85	1881	0	0	313225	0	749999
2	503518	2	17	80	1108	1917	0	818624	750000	1499999
3	1026094	2	17	75	1998	1667	0	1847743	1500000	2249999
4	752797	3	17	55	1349	1760	1615	2604205	2250000	2999999
5	849455	2	17	75	1685	1601	0	3458384	3000000	3749999
6	998033	3	17	55	1262	1542	1144	4459703	3750000	4499999
7	117126	3	17	55	1663	1943	1944	4580777	4500000	5249999
8	744380	1	17	90	1841	0	0	5330707	5250000	5999999
9	1221457	2	17	65	1135	1059	0	6554005	6000000	6749999
10	357080	1	17	50	1931	0	0	6913279	6750000	7499999
11	769586	2	17	50	1830	1820	0	7684796	7500000	8249999
12	1150883	1	17	50	1830	0	0	8839329	8250000	8999999
13	212174	3	17	100	1214	1752	1757	9053333	9000000	9749999
14	1362644	2	17	95	1973	1685	0	10420700	9750000	10499999
15	374058	1	17	65	1430	0	0	10798416	10500000	11249999
16	906232	3	17	85	1831	1117	1640	11706078	11250000	11999999

Total number of pulses in waveform = 32

Type 5 Radar Waveform_10

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	7420	2	5	75	1405	1851	0	7420	0	1333332
2	2348591	1	5	70	1263	0	0	2359267	1333333	2666665
3	913426	1	5	55	1159	0	0	3273956	2666666	3999998
4	1126997	2	5	80	1526	1453	0	4402112	3999999	5333331
5	1204660	3	5	50	1518	1091	1923	5609751	5333332	6666664
6	1964313	3	5	75	1070	1701	1606	7578596	6666665	7999997
7	1497027	2	5	90	1227	1191	0	9080000	7999998	9333330
8	1083893	2	5	60	1800	1593	0	10166311	9333331	10666663
9	500206	3	5	95	1842	1125	1427	10669910	10666664	11999996

Total number of pulses in waveform = 19



Type 5 Radar Waveform_11

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	161169	3	19	95	1260	1014	1697	161169	0	631578
2	673206	2	19	55	1255	1970	0	838346	631579	1263157
3	523698	3	19	65	1223	1667	1307	1365269	1263158	1894736
4	953297	1	19	50	1801	0	0	2322763	1894737	2526315
5	511970	1	19	95	1049	0	0	2836534	2526316	3157894
6	386058	3	19	95	1110	1083	1515	3223641	3157895	3789473
7	816704	3	19	95	1049	1190	1230	4044053	3789474	4421052
8	899381	3	19	75	1719	1221	1081	4946903	4421053	5052631
9	519296	1	19	65	1318	0	0	5470220	5052632	5684210
10	214293	2	19	95	1622	1839	0	5685831	5684211	6315789
11	955647	2	19	50	1600	1513	0	6644939	6315790	6947368
12	853512	1	19	100	1395	0	0	7501564	6947369	7578947
13	508821	2	19	95	1852	1118	0	8011780	7578948	8210526
14	544240	2	19	100	1300	1782	0	8558990	8210527	8842105
15	629449	3	19	80	1160	1344	1308	9191521	8842106	9473684
16	770046	1	19	55	1954	0	0	9965379	9473685	10105263
17	751015	2	19	85	1028	1722	0	10718348	10105264	10736842
18	552355	3	19	65	1982	1625	1857	11273453	10736843	11368421
19	230636	1	19	65	1386	0	0	11509554	11368422	12000000

Total number of pulses in waveform = 39

Type 5 Radar Waveform_12

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	864560	2	8	85	1582	1004	0	864560	0	999999
2	159954	1	8	60	1464	0	0	1027100	1000000	1999999
3	1584252	1	8	50	1330	0	0	2612816	2000000	2999999
4	818563	1	8	65	1070	0	0	3432709	3000000	3999999
5	1378043	3	8	70	1072	1307	1320	4811822	4000000	4999999
6	1000169	3	8	70	1793	1072	1307	5815690	5000000	5999999
7	512834	1	8	70	1368	0	0	6332696	6000000	6999999
8	1380027	3	8	70	1404	1392	1637	7714091	7000000	7999999
9	1030373	3	8	95	1837	1263	1836	8748897	8000000	8999999
10	1232353	2	8	85	1664	1591	0	9986186	9000000	9999999
11	273529	1	8	95	1503	0	0	10262970	10000000	10999999
12	1227425	3	8	50	1505	1496	1049	11491898	11000000	11999999

Total number of pulses in waveform = 24

Type 5 Radar Waveform_13

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	673875	3	10	80	1386	1985	1684	673875	0	857142
2	922250	3	10	60	1629	1857	1330	1601180	857143	1714285
3	599845	1	10	80	1542	0	0	2205841	1714286	2571428
4	489535	1	10	70	1280	0	0	2696918	2571429	3428571
5	838973	2	10	100	1024	1202	0	3537171	3428572	4285714
6	1226398	3	10	55	1674	1267	1778	4765795	4285715	5142857
7	707436	3	10	65	1459	1099	1276	5477950	5142858	6000000
8	599059	1	10	95	1473	0	0	6080843	6000001	6857143
9	1489189	3	10	60	1833	1101	1657	7571505	6857144	7714286
10	787511	3	10	85	1433	1167	1665	8363607	7714287	8571429
11	443160	2	10	50	1235	1539	0	8811032	8571430	9428572
12	1207503	2	10	90	1189	1435	0	10021309	9428573	10285715
13	847830	3	10	85	1960	1087	1224	10871763	10285716	11142858
14	411358	2	10	95	1122	1237	0	11287392	11142859	12000001

Total number of pulses in waveform = 32



Type 5 Radar Waveform_14

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	122366	2	14	60	1191	1252	0	122366	0	599999
2	754823	1	14	100	1930	0	0	879632	600000	1199999
3	784581	1	14	50	1362	0	0	1666143	1200000	1799999
4	198431	1	14	50	1539	0	0	1865936	1800000	2399999
5	783324	3	14	70	1896	1631	1035	2650799	2400000	2999999
6	755600	1	14	70	1160	0	0	3410961	3000000	3599999
7	586067	2	14	75	1311	1694	0	3998188	3600000	4199999
8	751732	3	14	65	1405	1857	1218	4752925	4200000	4799999
9	53977	2	14	55	1942	1888	0	4811382	4800000	5399999
10	707471	2	14	100	1791	1394	0	5522683	5400000	5999999
11	493543	1	14	90	1158	0	0	6019411	6000000	6599999
12	1152084	3	14	100	1011	1035	1194	7172653	6600000	7199999
13	548843	1	16	75	1649	0	0	7724736	7200000	7799999
14	138224	1	17	55	1040	0	0	7864609	7800000	8399999
15	970124	1	16	85	1907	0	0	8835773	8400000	8999999
16	624773	3	14	55	1128	1326	1768	9462463	9000000	9599999
17	462282	2	10	60	1370	1218	0	9928967	9600000	10199999
18	359981	1	8	65	1783	0	0	10291526	10200000	10799999
19	961476	1	17	55	1038	0	0	11254785	10800000	11399999
20	556461	1	12	65	1237	0	0	11812284	11400000	11999999

Total number of pulses in waveform = 33

Type 5 Radar Waveform_15

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1443106	3	18	90	1193	1503	1241	1443106	0	1499999
2	1496946	1	18	80	1040	0	0	2943989	1500000	2999999
3	1030345	3	18	85	1357	1414	1051	3975374	3000000	4499999
4	1311347	2	18	95	1735	1738	0	5290543	4500000	5999999
5	1364956	2	18	85	1704	1278	0	6658972	6000000	7499999
6	1789529	2	18	65	1248	1575	0	8451483	7500000	8999999
7	1858042	1	18	65	1782	0	0	10312348	9000000	10499999
8	1286342	3	18	50	1077	1343	1874	11600472	10500000	11999999

Total number of pulses in waveform = 17

Type 5 Radar Waveform_16

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	754045	1	6	80	1884	0	0	754045	0	799999
2	839211	1	6	85	1969	0	0	1595140	800000	1599999
3	173392	1	6	55	1038	0	0	1770501	1600000	2399999
4	1221197	1	6	100	1004	0	0	2992736	2400000	3199999
5	704787	3	6	80	1408	1675	1342	3698527	3200000	3999999
6	636166	3	6	100	1259	1764	1211	4339118	4000000	4799999
7	468015	3	6	85	1582	1281	1514	4811367	4800000	5599999
8	935704	2	6	75	1521	1020	0	5751448	5600000	6399999
9	1114271	2	6	90	1422	1999	0	6868260	6400000	7199999
10	454516	1	6	65	1943	0	0	7326197	7200000	7999999
11	1214507	1	6	100	1668	0	0	8542647	8000000	8799999
12	294777	3	6	80	1632	1718	1385	8839092	8800000	9599999
13	827671	3	6	85	1136	1926	1910	9671498	9600000	10399999
14	1051142	2	6	85	1024	1104	0	10727612	10400000	11199999
15	1199246	3	6	55	1385	1920	1646	11928986	11200000	11999999

Total number of pulses in waveform = 30

**Type 5 Radar Waveform_17**

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	833703	2	9	85	1464	1877	0	833703	0	1199999
2	1182707	2	9	95	1650	1496	0	2019751	1200000	2399999
3	573525	3	9	95	1731	1914	1822	2596422	2400000	3599999
4	1810538	2	9	55	1269	1682	0	4412427	3600000	4799999
5	1349458	1	9	90	1484	0	0	5764836	4800000	5999999
6	1354141	3	9	75	1118	1320	1020	7120461	6000000	7199999
7	1120140	1	9	65	1741	0	0	8244059	7200000	8399999
8	733876	3	9	60	1701	1536	1231	8979676	8400000	9599999
9	1437551	3	9	65	1438	1450	1919	10421695	9600000	10799999
10	562758	3	9	60	1638	1794	1128	10989260	10800000	11999999

Total number of pulses in waveform = 23

Type 5 Radar Waveform_18

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	968425	3	12	55	1883	1654	1389	968425	0	999999
2	801740	1	12	55	1129	0	0	1775091	1000000	1999999
3	1137855	1	12	85	1022	0	0	2914075	2000000	2999999
4	414972	1	12	70	1655	0	0	3330069	3000000	3999999
5	1348038	1	12	90	1953	0	0	4679762	4000000	4999999
6	1076285	3	12	60	1140	1114	1369	5758000	5000000	5999999
7	825267	1	12	70	1313	0	0	6586890	6000000	6999999
8	1386396	1	12	70	1564	0	0	7974599	7000000	7999999
9	426391	1	12	80	1868	0	0	8402554	8000000	8999999
10	1517218	3	12	60	1434	1825	1339	9921640	9000000	9999999
11	442408	1	12	55	1763	0	0	10368646	10000000	10999999
12	943615	3	12	90	1459	1038	1579	11314024	11000000	11999999

Total number of pulses in waveform = 20

Type 5 Radar Waveform_19

Num of Bursts = 19

Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	132186	3	17	50	1743	1509	1327	132186	0	631578
2	806294	2	17	65	1869	1469	0	943059	631579	1263157
3	744695	2	17	75	1373	1077	0	1691092	1263158	1894736
4	476484	2	17	100	1501	1489	0	2170026	1894737	2526315
5	430389	1	17	65	1057	0	0	2603405	2526316	3157894
6	898382	1	17	100	1588	0	0	3502844	3157895	3789473
7	771233	3	17	55	1166	1436	1770	4275665	3789474	4421052
8	688783	2	17	100	1551	1727	0	4968820	4421053	5052631
9	642768	2	17	100	1440	1202	0	5614866	5052632	5684210
10	278251	2	17	70	1014	1580	0	5895759	5684211	6315789
11	742175	3	17	60	1447	1770	1177	6640528	6315790	6947368
12	583035	3	17	65	1324	1033	1763	7227957	6947369	7578947
13	710739	2	17	50	1711	1203	0	7942816	7578948	8210526
14	685765	1	17	100	1369	0	0	8631495	8210527	8842105
15	240666	3	17	60	1713	1765	1001	8873530	8842106	9473684
16	840690	3	17	85	1302	1425	1548	9718699	9473685	10105263
17	729365	1	17	95	1593	0	0	10452339	10105264	10736842
18	707556	1	17	70	1516	0	0	11161488	10736843	11368421
19	349749	3	17	95	1954	1975	1073	11512753	11368422	12000000

Total number of pulses in waveform = 40



Type 5 Radar Waveform_20

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	853185	2	5	95	1738	1200	0	853185	0	999999
2	966176	3	5	95	1335	1366	1356	1822299	1000000	1999999
3	595484	1	5	50	1375	0	0	2421840	2000000	2999999
4	1397384	3	5	85	1403	1666	1698	3820599	3000000	3999999
5	540776	3	5	85	1615	1578	1374	4366142	4000000	4999999
6	1386537	3	5	95	1656	1839	1762	5757246	5000000	5999999
7	468296	3	5	55	1123	1514	1055	6230799	6000000	6999999
8	1537660	2	5	70	1962	1106	0	7772151	7000000	7999999
9	415629	1	5	75	1717	0	0	8190848	8000000	8999999
10	1290784	2	5	70	1634	1532	0	9483349	9000000	9999999
11	935176	1	5	100	1338	0	0	10421691	10000000	10999999
12	1272220	1	5	70	1609	0	0	11695249	11000000	11999999

Total number of pulses in waveform = 25

Type 5 Radar Waveform_21

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	214522	1	19	95	1770	0	0	214522	0	599999
2	725787	2	19	75	1717	1643	0	942079	600000	1199999
3	295799	1	19	65	1665	0	0	1241238	1200000	1799999
4	813106	3	19	50	1596	1529	1907	2056009	1800000	2399999
5	765261	1	19	60	1276	0	0	2826292	2400000	2999999
6	641669	1	19	80	1512	0	0	3469227	3000000	3599999
7	599938	3	19	80	1589	1841	1285	4070677	3600000	4199999
8	264346	2	19	70	1478	1068	0	4339738	4200000	4799999
9	623139	1	19	80	1853	0	0	4965423	4800000	5399999
10	969118	2	19	75	1729	1049	0	5936394	5400000	5999999
11	432224	3	19	95	1448	1801	1290	6371396	6000000	6599999
12	801303	3	19	65	1436	1832	1530	7177238	6600000	7199999
13	205643	2	19	75	1552	1454	0	7387679	7200000	7799999
14	840643	3	19	50	1824	1804	1143	8231328	7800000	8399999
15	321677	3	19	75	1714	1295	1492	8557776	8400000	8999999
16	623665	1	19	60	1204	0	0	9185942	9000000	9599999
17	540648	2	19	95	1920	1492	0	9727794	9600000	10199999
18	740093	3	19	85	1733	1029	1548	10471299	10200000	10799999
19	668078	1	19	100	1570	0	0	11143687	10800000	11399999
20	267569	3	19	60	1330	1290	1353	11412826	11400000	11999999

Total number of pulses in waveform = 41

Type 5 Radar Waveform_22

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	85208	2	8	55	1061	1989	0	85208	0	599999
2	875334	1	8	70	1379	0	0	963592	600000	1199999
3	393945	3	8	95	1167	1222	1352	1358916	1200000	1799999
4	572775	1	8	60	1119	0	0	1935432	1800000	2399999
5	463693	1	8	85	1817	0	0	2400244	2400000	2999999
6	653134	2	8	85	1936	1811	0	3055195	3000000	3599999
7	874395	3	8	70	1158	1513	1252	3933337	3600000	4199999
8	312913	1	8	55	1074	0	0	4250173	4200000	4799999
9	809944	2	8	100	1675	1165	0	5061191	4800000	5399999
10	680373	1	8	90	1478	0	0	5744404	5400000	5999999
11	792960	1	8	85	1719	0	0	6538842	6000000	6599999
12	131359	3	8	50	1158	1228	1712	6671920	6600000	7199999
13	1022102	2	8	65	1674	1570	0	7698120	7200000	7799999
14	657487	3	8	95	1034	1032	1692	8358851	7800000	8399999
15	45456	3	8	55	1467	1171	1522	8408065	8400000	8999999
16	669535	1	8	75	1620	0	0	9081760	9000000	9599999
17	784431	1	8	80	1656	0	0	9867811	9600000	10199999
18	617299	3	8	95	1753	1819	1005	10486766	10200000	10799999
19	847364	2	8	50	1970	1104	0	11338697	10800000	11399999
20	269919	3	8	100	1694	1393	1028	11611690	11400000	11999999

Total number of pulses in waveform = 39

**Type 5 Radar Waveform_23**Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	162214	3	10	85	1701	1885	1325	162214	0	749999
2	1020486	2	10	75	1821	1255	0	1187611	750000	1499999
3	740009	2	10	100	1928	1659	0	1930696	1500000	2249999
4	341435	3	10	100	1733	1289	1926	2275718	2250000	2999999
5	1017506	3	10	60	1149	1925	1171	3298172	3000000	3749999
6	1066978	3	10	90	1002	1701	1906	4369395	3750000	4499999
7	282727	1	10	70	1626	0	0	4656731	4500000	5249999
8	1219781	2	10	75	1004	1499	0	5878138	5250000	5999999
9	224314	3	10	70	1818	1716	1602	6104955	6000000	6749999
10	889065	1	10	70	1431	0	0	6999156	6750000	7499999
11	914698	1	10	65	1473	0	0	7915285	7500000	8249999
12	742669	2	10	90	1948	1353	0	8659427	8250000	8999999
13	573560	3	10	95	1638	1055	1990	9236288	9000000	9749999
14	1091021	3	10	50	1214	1127	1440	10331992	9750000	10499999
15	365805	2	10	100	1894	1855	0	10701578	10500000	11249999
16	1171547	1	10	75	1089	0	0	11876874	11250000	11999999

Total number of pulses in waveform = 35

Type 5 Radar Waveform_24Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	994557	3	14	60	1939	1061	1440	994557	0	999999
2	173296	2	14	55	1487	1753	0	1172293	1000000	1999999
3	1106189	3	14	80	1508	1420	1844	2281722	2000000	2999999
4	1269408	1	14	65	1666	0	0	3555902	3000000	3999999
5	1226962	1	14	85	1531	0	0	4784530	4000000	4999999
6	353877	1	14	90	1871	0	0	5139938	5000000	5999999
7	921500	2	14	90	1513	1355	0	6063309	6000000	6999999
8	1834151	3	14	70	1935	1805	1455	7900328	7000000	7999999
9	329644	3	14	50	1544	1675	1313	8235167	8000000	8999999
10	907401	1	14	55	1825	0	0	9147100	9000000	9999999
11	1704345	3	14	85	1183	1371	1124	10853270	10000000	10999999
12	1096749	3	14	85	1566	1918	1214	11953697	11000000	11999999

Total number of pulses in waveform = 26

Type 5 Radar Waveform_25Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	340529	3	18	90	1969	1149	1834	340529	0	1199999
2	1254231	3	18	85	1484	1603	1030	1599712	1200000	2399999
3	1900259	3	18	100	1551	1503	1843	3504088	2400000	3599999
4	254806	1	18	80	1208	0	0	3763791	3600000	4799999
5	1671794	1	18	70	1442	0	0	5436793	4800000	5999999
6	648566	2	18	55	1694	1030	0	6086801	6000000	7199999
7	1328899	3	18	100	1910	1037	1466	7418424	7200000	8399999
8	1810304	3	18	85	1611	1759	1143	9233141	8400000	9599999
9	1289746	2	18	70	1699	1949	0	10527400	9600000	10799999
10	610650	2	18	80	1536	1003	0	11141698	10800000	11999999

Total number of pulses in waveform = 23



Type 5 Radar Waveform_26

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	809922	3	6	55	1269	1665	1902	809922	0	1333332
2	604446	1	6	65	1671	0	0	1419204	1333333	2666665
3	1859800	3	6	90	1956	1723	1131	3280675	2666666	3999998
4	1427703	3	6	90	1385	1555	1339	4713188	3999999	5333331
5	1465011	3	6	80	1631	1058	1411	6182478	5333332	6666664
6	1670568	2	6	55	1992	1197	0	7857146	6666665	7999997
7	578271	3	6	80	1104	1524	1296	8438606	7999998	9333330
8	1811420	3	6	50	1993	1274	1120	10253950	9333331	10666663
9	1299243	1	6	65	1106	0	0	11557580	10666664	11999996

Total number of pulses in waveform = 22

Type 5 Radar Waveform_27

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	153868	2	9	95	1470	1614	0	153868	0	705881
2	707845	3	9	55	1205	1138	1829	864797	705882	1411763
3	1130481	3	9	75	1319	1573	1001	1999450	1411764	2117645
4	697235	3	9	75	1960	1054	1416	2700578	2117646	2823527
5	606609	3	9	90	1652	1991	1878	3311617	2823528	3529409
6	252000	1	9	100	1670	0	0	3569138	3529410	4235291
7	1316610	3	9	55	1532	1008	1605	4887418	4235292	4941173
8	213384	1	9	90	1755	0	0	5104947	4941174	5647055
9	741328	3	9	55	1442	1674	1171	5848030	5647056	6352937
10	1118475	2	9	100	1773	1987	0	6970792	6352938	7058819
11	108117	2	9	100	1532	1385	0	7082669	7058820	7764701
12	970141	3	9	85	1986	1474	1794	8055727	7764702	8470583
13	1027362	3	9	90	1199	1000	1520	9088343	8470584	9176465
14	153191	3	9	100	1052	1545	1636	9245253	9176466	9882347
15	833722	1	9	80	1232	0	0	10083208	9882348	10588229
16	701272	3	9	70	1538	1721	1967	10785712	10588230	11294111
17	976987	3	9	95	1496	1590	1440	11767925	11294112	11999993

Total number of pulses in waveform = 42

Type 5 Radar Waveform_28

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	401655	1	12	55	1647	0	0	401655	0	749999
2	1023985	1	12	75	1499	0	0	1427287	750000	1499999
3	306570	3	12	70	1335	1226	1943	1735356	1500000	2249999
4	625547	2	12	55	1490	1135	0	2365407	2250000	2999999
5	700034	3	12	95	1558	1770	1112	3068066	3000000	3749999
6	791322	1	12	80	1876	0	0	3863828	3750000	4499999
7	1299005	3	12	95	1354	1272	1684	5164709	4500000	5249999
8	202213	1	12	100	1535	0	0	5371232	5250000	5999999
9	1371849	2	12	55	1458	1857	0	6744616	6000000	6749999
10	97123	2	12	95	1593	1027	0	6845054	6750000	7499999
11	1393164	1	12	80	1025	0	0	8240838	7500000	8249999
12	537798	3	12	85	1871	1277	1696	8779661	8250000	8999999
13	396666	1	12	85	1513	0	0	9181171	9000000	9749999
14	1148626	3	12	70	1387	1831	1480	10331310	9750000	10499999
15	761036	2	12	60	1907	1591	0	11097044	10500000	11249999
16	403785	1	12	60	1078	0	0	11504327	11250000	11999999

Total number of pulses in waveform = 30



Type 5 Radar Waveform_29

Num of Bursts = 13
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	469398	3	17	70	1979	1511	1450	469398	0	666666
2	707753	2	17	65	1165	1520	0	1182091	666667	1333333
3	809186	2	17	65	1154	1562	0	1993962	1333334	2000000
4	419528	2	17	85	1273	1840	0	2416206	2000001	2666667
5	460716	1	17	55	1438	0	0	2880035	2666668	3333334
6	503628	2	17	80	1037	1046	0	3385101	3333335	4000001
7	1098844	3	17	55	1129	1885	1093	4486028	4000002	4666668
8	517093	3	17	90	1150	1672	1251	5007228	4666669	5333335
9	805472	2	17	75	1933	1303	0	5816773	5333336	6000002
10	589797	1	17	95	1111	0	0	6409806	6000003	6666669
11	668674	1	17	50	1538	0	0	7079591	6666670	7333336
12	831472	1	17	65	1512	0	0	7912601	7333337	8000003
13	663428	1	17	90	1889	0	0	8577541	8000004	8666670
14	203856	1	17	55	1865	0	0	8783286	8666671	9333337
15	932432	1	17	50	1917	0	0	9717583	9333338	10000004
16	405354	1	17	75	1368	0	0	10124854	10000005	10666671
17	865536	3	17	55	1475	1539	1121	10991758	10666672	11333338
18	885234	3	17	85	1572	1239	1358	11881127	11333339	12000005

Total number of pulses in waveform = 33

Type 5 Radar Waveform_30

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	30394	1	5	85	1848	0	0	30394	0	799999
2	1107955	2	5	95	1450	1265	0	1140197	800000	1599999
3	913114	3	5	75	1992	1280	1339	2056026	1600000	2399999
4	778785	1	5	80	1036	0	0	2839422	2400000	3199999
5	1136479	3	5	65	1149	1303	1529	3976937	3200000	3999999
6	698817	3	5	75	1900	1652	1245	4679735	4000000	4799999
7	864882	1	5	50	1768	0	0	5549414	4800000	5599999
8	447598	2	5	50	1211	1601	0	5998780	5600000	6399999
9	557022	2	5	55	1328	1705	0	6558614	6400000	7199999
10	1384478	1	5	80	1437	0	0	7946125	7200000	7999999
11	558292	1	5	50	1388	0	0	8505854	8000000	8799999
12	603082	2	5	80	1901	1147	0	9110324	8800000	9599999
13	490261	1	5	80	1235	0	0	9603633	9600000	10399999
14	1064166	2	5	70	1000	1600	0	10669034	10400000	11199999
15	804172	3	5	60	1466	1762	1050	11475806	11200000	11999999

Total number of pulses in waveform = 28

Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5292	1	16	5292	1
2	5292	1	17	5292	1
3	5292	1	18	5292	1
4	5292	1	19	5292	1
5	5292	1	20	5292	1
6	5292	1	21	5292	1
7	5292	1	22	5292	1
8	5292	1	23	5292	1
9	5292	1	24	5292	1
10	5292	1	25	5292	1
11	5292	1	26	5292	1
12	5292	1	27	5292	1
13	5292	1	28	5292	1
14	5292	1	29	5292	1
15	5292	1	30	5292	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
17	5306	51	15	5310	45
24	5317	72	19	5335	57
36	5320	108	21	5316	63
37	5332	111	34	5317	102
47	5296	141	37	5285	111
54	5319	162	51	5288	153
55	5322	165	61	5303	183
67	5290	201	66	5280	198
68	5285	204	70	5333	210
74	5287	222	84	5315	252
82	5311	246	97	5286	291
85	5334	255	98	5318	294
87	5309	261	99	5297	297
91	5279	273	--	--	--
94	5289	282	--	--	--

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5292	0	2	5310	6
5	5325	15	8	5329	24
8	5336	24	11	5302	33
16	5283	48	15	5287	45
35	5295	105	18	5306	54
55	5305	165	25	5333	75
56	5314	168	34	5314	102
60	5287	180	36	5317	108
79	5316	237	62	5337	186
91	5318	273	64	5313	192
93	5285	279	77	5319	231
--	--	--	81	5279	243
--	--	--	84	5308	252
--	--	--	85	5324	255
--	--	--	90	5336	270
--	--	--	99	5288	297

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5293	9	5	5325	15
13	5308	39	8	5322	24
21	5319	63	9	5307	27
23	5294	69	26	5316	78
24	5338	72	30	5328	90
37	5299	111	39	5292	117
38	5296	114	44	5293	132
39	5281	117	45	5290	135
40	5328	120	47	5314	141
43	5283	129	50	5336	150
45	5305	135	80	5286	240
51	5336	153	93	5326	279
64	5298	192	--	--	--
66	5297	198	--	--	--
75	5302	225	--	--	--
84	5324	252	--	--	--
93	5282	279	--	--	--
96	5318	288	--	--	--

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
18	5324	54	8	5311	24
38	5279	114	11	5320	33
53	5307	159	12	5322	36
56	5327	168	23	5307	69
58	5314	174	37	5285	111
72	5295	216	51	5290	153
76	5323	228	52	5302	156
98	5309	294	55	5324	165
--	--	--	56	5284	168
--	--	--	61	5289	183
--	--	--	66	5281	198
--	--	--	76	5278	228
--	--	--	77	5338	231
--	--	--	91	5287	273

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5324	30	6	5312	18
11	5320	33	12	5336	36
14	5297	42	13	5299	39
17	5280	51	14	5328	42
20	5288	60	37	5278	111
30	5329	90	52	5306	156
37	5319	111	56	5291	168
48	5285	144	61	5314	183
50	5326	150	81	5318	243
51	5332	153	85	5294	255
58	5279	174	97	5287	291
81	5331	243	--	--	--
86	5338	258	--	--	--
90	5325	270	--	--	--

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Frequency (MHz)	Hopping Number	Pulse Start (ms)
7	5321	21	1	5323	3
12	5329	36	6	5325	18
15	5282	45	20	5293	60
18	5285	54	21	5295	63
21	5291	63	28	5335	84
39	5337	117	51	5320	153
44	5287	132	63	5283	189
70	5324	210	69	5307	207
74	5311	222	78	5305	234
79	5316	237	87	5313	261
81	5315	243	89	5289	267
83	5295	249	91	5286	273
92	5294	276	96	5327	288
95	5281	285	--	--	--
98	5330	294	--	--	--

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5330	3	3	5304	9
5	5303	15	15	5317	45
22	5285	66	20	5336	60
26	5286	78	26	5320	78
29	5278	87	34	5288	102
36	5281	108	46	5327	138
44	5279	132	49	5307	147
57	5331	171	50	5300	150
61	5309	183	75	5309	225
80	5301	240	93	5329	279
87	5296	261	98	5297	294
96	5294	288	--	--	--

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5283	21	9	5332	27
14	5312	42	15	5319	45
26	5334	78	22	5333	66
28	5314	84	46	5281	138
38	5328	114	62	5282	186
43	5304	129	71	5304	213
50	5302	150	74	5288	222
55	5281	165	87	5321	261
56	5298	168	91	5297	273
73	5280	219	92	5306	276
75	5333	225	94	5326	282
76	5322	228	--	--	--
96	5291	288	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
8	5305	24	11	5301	33
12	5290	36	14	5316	42
15	5282	45	22	5337	66
23	5318	69	26	5290	78
25	5332	75	50	5307	150
31	5293	93	54	5304	162
34	5301	102	62	5291	186
67	5316	201	67	5286	201
78	5329	234	73	5282	219
96	5313	288	74	5332	222
--	--	--	77	5310	231
--	--	--	88	5298	264
--	--	--	92	5328	276

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5332	12	1	5291	3
5	5328	15	6	5292	18
21	5313	63	15	5314	45
22	5280	66	19	5279	57
25	5301	75	20	5320	60
47	5321	141	28	5300	84
49	5302	147	32	5289	96
52	5338	156	36	5297	108
62	5291	186	45	5305	135
73	5309	219	56	5318	168
77	5337	231	63	5308	189
78	5278	234	65	5317	195
86	5331	258	--	--	--
97	5323	291	--	--	--

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5288	6	3	5298	9
7	5321	21	4	5324	12
11	5287	33	13	5317	39
13	5280	39	22	5332	66
35	5322	105	25	5327	75
53	5300	159	26	5278	78
58	5296	174	30	5320	90
69	5317	207	31	5326	93
70	5309	210	35	5306	105
78	5327	234	47	5315	141
85	5284	255	53	5293	159
92	5298	276	60	5314	180
--	--	--	61	5313	183
--	--	--	62	5322	186
--	--	--	68	5288	204
--	--	--	71	5287	213
--	--	--	76	5299	228
--	--	--	87	5289	261
--	--	--	97	5333	291

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5293	3	17	5315	51
5	5281	15	27	5334	81
6	5335	18	28	5299	84
7	5295	21	35	5285	105
11	5330	33	37	5294	111
13	5332	39	54	5296	162
15	5297	45	59	5280	177
20	5292	60	72	5311	216
23	5298	69	76	5326	228
25	5314	75	80	5318	240
62	5329	186	92	5309	276
65	5328	195	--	--	--
93	5320	279	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5332	15	16	5316	48
12	5306	36	17	5310	51
21	5337	63	25	5307	75
32	5313	96	43	5282	129
35	5323	105	52	5278	156
40	5294	120	55	5308	165
47	5287	141	60	5301	180
60	5312	180	61	5279	183
65	5335	195	69	5335	207
70	5282	210	95	5280	285
74	5321	222	96	5322	288
77	5280	231	--	--	--
80	5316	240	--	--	--
84	5290	252	--	--	--

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5326	15	2	5285	6
10	5305	30	5	5303	15
23	5324	69	10	5289	30
32	5292	96	19	5316	57
34	5294	102	31	5329	93
45	5310	135	43	5321	129
48	5313	144	54	5290	162
57	5334	171	59	5296	177
59	5317	177	83	5311	249
64	5325	192	85	5327	255
69	5303	207	89	5332	267
75	5304	225	97	5314	291
79	5306	237	--	--	--
81	5278	243	--	--	--

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5330	6	8	5289	24
7	5286	21	35	5316	105
11	5288	33	37	5283	111
16	5306	48	38	5336	114
17	5319	51	43	5291	129
51	5301	153	50	5335	150
62	5326	186	51	5333	153
73	5328	219	54	5286	162
90	5297	270	72	5298	216
92	5303	276	73	5309	219
94	5293	282	74	5321	222
97	5318	291	82	5299	246
--	--	--	85	5307	255
--	--	--	99	5322	297

Radio C Radar Statistical Performance for 802.11n-HT40

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5292	1	838	63	1
2	5292	1	538	99	1
3	5292	1	698	76	1
4	5292	1	578	92	1
5	5292	1	518	102	1
6	5292	1	858	62	1
7	5292	1	758	70	1
8	5292	1	558	95	1
9	5292	1	798	67	1
10	5292	1	718	74	1
11	5292	1	898	59	1
12	5292	1	878	61	1
13	5292	1	678	78	1
14	5292	1	938	57	1
15	5292	1	598	89	1
16	5292	1	1342	40	1
17	5292	1	2859	19	1
18	5292	1	2058	26	1
19	5292	1	1188	45	1
20	5292	1	2258	24	1
21	5292	1	762	70	1
22	5292	1	886	60	1
23	5292	1	1949	28	1
24	5292	1	2836	19	1
25	5292	1	2700	20	1
26	5292	1	2957	18	1
27	5292	1	2593	21	1
28	5292	1	2105	26	1
29	5292	1	2906	19	1
30	5292	1	2451	22	1
Detection Percentage (%)					100%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5310	2.2	210	26	1
2	5310	4.5	163	29	1
3	5310	3.0	206	29	1
4	5310	1.5	207	27	1
5	5310	2.5	215	24	1
6	5310	2.0	210	27	1
7	5310	4.2	194	23	1
8	5310	1.9	203	27	1
9	5310	3.7	153	23	1
10	5310	5.0	197	27	1
11	5310	4.1	173	26	1
12	5310	3.9	175	24	1
13	5310	3.5	176	26	1
14	5310	3.7	165	27	1
15	5310	1.7	161	26	1
16	5310	2.2	230	26	1
17	5310	1.5	214	29	1
18	5310	2.0	161	26	1
19	5310	1.5	181	23	1
20	5310	1.3	221	29	1
21	5310	5.0	190	28	1
22	5310	2.5	213	24	1
23	5310	4.3	190	23	1
24	5310	1.4	178	27	1
25	5310	3.1	185	29	1
26	5310	1.5	199	24	1
27	5310	5.0	151	23	1
28	5310	1.5	180	29	1
29	5310	3.6	171	27	1
30	5310	2.6	227	26	1
Detection Percentage (%)					100%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5328	6.8	361	17	1
2	5328	6.1	470	18	1
3	5328	6.5	311	16	1
4	5328	9.4	455	16	1
5	5328	9.8	265	18	1
6	5328	7.4	397	16	1
7	5328	8.8	325	17	1
8	5328	9.2	496	17	1
9	5328	6.4	349	17	1
10	5328	8.5	291	18	1
11	5328	8.6	306	18	1
12	5328	7.1	317	16	1
13	5328	8.3	273	18	1
14	5328	8.6	315	18	1
15	5328	7.5	296	17	1
16	5328	9.6	380	18	1
17	5328	8.1	489	18	1
18	5328	9.0	350	17	1
19	5328	8.8	423	16	1
20	5328	6.6	322	17	1
21	5328	9.0	364	17	1
22	5328	8.0	360	17	1
23	5328	7.9	401	17	1
24	5328	9.4	484	16	1
25	5328	9.3	329	17	1
26	5328	6.7	484	18	1
27	5328	7.3	268	17	1
28	5328	9.9	266	16	1
29	5328	9.2	253	16	1
30	5328	8.7	292	16	1
Detection Percentage (%)					100%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5310	16.0	266	14	1
2	5310	11.4	402	16	1
3	5310	14.0	387	16	1
4	5310	13.0	491	16	1
5	5310	16.2	417	13	1
6	5310	15.1	250	14	1
7	5310	18.4	401	12	1
8	5310	20.0	483	12	1
9	5310	12.4	489	12	1
10	5310	14.4	300	16	1
11	5310	17.7	267	15	1
12	5310	11.3	474	15	1
13	5310	14.2	494	12	1
14	5310	15.2	290	12	1
15	5310	11.3	329	13	1
16	5310	14.8	473	16	1
17	5310	19.6	446	15	1
18	5310	15.3	305	13	1
19	5310	19.0	485	15	1
20	5310	15.5	411	14	1
21	5310	18.6	438	15	1
22	5310	15.5	464	12	1
23	5310	16.0	479	14	1
24	5310	16.3	405	14	1
25	5310	14.8	405	16	1
26	5310	19.2	431	16	1
27	5310	19.9	470	14	1
28	5310	16.5	417	16	1
29	5310	16.8	434	16	1
30	5310	17.1	480	14	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5299.6	1	16	5310.0	1
2	5295.2	1	17	5310.0	1
3	5296.0	1	18	5310.0	1
4	5297.6	1	19	5310.0	1
5	5299.2	1	20	5310.0	1
6	5294.4	1	21	5320.4	1
7	5295.6	1	22	5324.8	1
8	5296.8	1	23	5324.0	1
9	5298.8	1	24	5322.4	1
10	5294.0	1	25	5320.8	1
11	5310.0	1	26	5325.6	1
12	5310.0	1	27	5324.4	1
13	5310.0	1	28	5323.2	1
14	5310.0	1	29	5321.2	1
15	5310.0	1	30	5326.0	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	315817	3	19	75	1392	1933	1759	315817	0	857142
2	593958	3	19	55	1668	1214	1898	914859	857143	1714285
3	1040694	2	19	50	1082	1788	0	1960333	1714286	2571428
4	1380739	3	19	55	1516	1231	1097	3343942	2571429	3428571
5	925061	3	19	85	1376	1916	1566	4272847	3428572	4285714
6	517778	1	19	70	1317	0	0	4795483	4285715	5142857
7	538861	2	19	55	1619	1566	0	5335661	5142858	6000000
8	1426261	3	19	95	1344	1813	1090	6765107	6000001	6857143
9	925418	2	19	90	1545	1375	0	7694772	6857144	7714286
10	587590	1	19	50	1136	0	0	8285282	7714287	8571429
11	787036	1	19	75	1103	0	0	9073454	8571430	9428572
12	1120156	1	19	60	1107	0	0	10194713	9428573	10285715
13	914171	3	19	85	1577	1972	1800	11109991	10285716	11142858
14	871321	2	19	70	1600	1081	0	11986661	11142859	12000001

Total number of pulses in waveform = 30



Type 5 Radar Waveform_2

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	350171	2	8	50	1874	1809	0	350171	0	631578
2	681457	3	8	50	1478	1902	1229	1035111	631579	1263157
3	446418	2	8	95	1933	1459	0	1486138	1263158	1894736
4	541642	1	8	70	1304	0	0	2031172	1894737	2526315
5	641850	3	8	75	1194	1811	1954	2674326	2526316	3157894
6	508241	1	8	80	1126	0	0	3187526	3157895	3789473
7	732328	1	8	85	1443	0	0	3920980	3789474	4421052
8	593206	1	8	65	1203	0	0	4515629	4421053	5052631
9	574717	2	8	80	1130	1200	0	5091549	5052632	5684210
10	853167	2	8	95	1165	1903	0	5947046	5684211	6315789
11	558740	2	8	55	1241	1453	0	6508854	6315790	6947368
12	659174	2	8	80	1075	1505	0	7170722	6947369	7578947
13	927302	1	8	100	1285	0	0	8100604	7578948	8210526
14	584647	2	8	75	1246	1401	0	8886536	8210527	8842105
15	527378	2	8	60	1082	1904	0	9216561	8842106	9473684
16	486060	3	8	95	1431	1493	1293	9705607	9473685	10105263
17	861307	2	8	95	1074	1005	0	10571131	10105264	10736842
18	401698	1	8	50	1158	0	0	10974908	10736843	11368421
19	796401	2	8	55	1402	1666	0	11772467	11368422	12000000

Total number of pulses in waveform = 35

Type 5 Radar Waveform_3

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1109395	2	10	65	1938	1190	0	1109395	0	1499999
2	1390805	3	10	65	1834	1349	1595	2503328	1500000	2999999
3	1087279	2	10	75	1231	1379	0	3595385	3000000	4499999
4	1263475	3	10	85	1425	1982	1415	4861470	4500000	5999999
5	2559846	1	10	60	1283	0	0	7426138	6000000	7499999
6	1565686	1	10	85	1095	0	0	8993107	7500000	8999999
7	668356	1	10	55	1390	0	0	9662558	9000000	10499999
8	1798998	2	10	75	1736	1707	0	11462946	10500000	11999999

Total number of pulses in waveform = 15

Type 5 Radar Waveform_4

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	320650	2	14	70	1590	1882	0	320650	0	1499999
2	2426088	1	14	60	1502	0	0	2750210	1500000	2999999
3	1442998	1	14	80	1148	0	0	4194710	3000000	4499999
4	1390837	1	14	55	1189	0	0	5586695	4500000	5999999
5	1230955	3	14	50	1400	1029	1980	6818839	6000000	7499999
6	1344326	3	14	85	1496	1289	1368	8167574	7500000	8999999
7	1224126	1	14	55	1271	0	0	9395853	9000000	10499999
8	2582033	2	14	95	1706	1663	0	11979157	10500000	11999999

Total number of pulses in waveform = 14



Type 5 Radar Waveform_5

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	409057	1	18	60	1208	0	0	409057	0	666666
2	528375	3	18	90	1046	1057	1305	938640	666667	1333333
3	467606	2	18	70	1405	1061	0	1409654	1333334	2000000
4	1189962	1	18	85	1982	0	0	2602082	2000001	2666667
5	248417	1	18	55	1987	0	0	2852481	2666668	3333334
6	479711	1	18	90	1307	0	0	3334179	3333335	4000001
7	1038587	2	18	80	1948	1287	0	4374073	4000002	4666668
8	782032	2	18	90	1650	1516	0	5159340	4666669	5333335
9	803710	3	18	60	1012	1201	1248	5966216	5333336	6000002
10	343937	1	18	70	1512	0	0	6313614	6000003	6666669
11	819864	1	18	100	1721	0	0	7134990	6666670	7333336
12	404534	2	18	65	1976	1861	0	7541245	7333337	8000003
13	958705	2	18	95	1221	1647	0	8503787	8000004	8666670
14	416968	3	18	90	1350	1652	1949	8923623	8666671	9333337
15	894165	1	18	100	1231	0	0	9822739	9333338	10000004
16	555738	1	18	90	1224	0	0	10379708	10000005	10666671
17	547667	1	18	100	1292	0	0	10928599	10666672	11333338
18	881788	3	18	85	1253	1760	1543	11811679	11333339	12000005

Total number of pulses in waveform = 31

Type 5 Radar Waveform_6

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	128420	3	6	75	1275	1452	1690	128420	0	1199999
2	1169624	1	6	65	1838	0	0	1302461	1200000	2399999
3	1820435	1	6	100	1870	0	0	3124734	2400000	3599999
4	614428	1	6	90	1972	0	0	3741032	3600000	4799999
5	2106629	3	6	85	1252	1689	1852	5849633	4800000	5999999
6	327348	2	6	50	1038	1094	0	6181774	6000000	7199999
7	1898734	3	6	85	1698	1430	1087	8082640	7200000	8399999
8	895062	2	6	50	1643	1539	0	8981917	8400000	9599999
9	957871	3	6	85	1804	1067	1236	9942970	9600000	10799999
10	857242	1	6	55	1832	0	0	10804319	10800000	11999999

Total number of pulses in waveform = 20

Type 5 Radar Waveform_7

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	437434	3	9	90	1383	1617	1917	437434	0	631578
2	436838	1	9	80	1916	0	0	879189	631579	1263157
3	747587	2	9	75	1940	1630	0	1628692	1263158	1894736
4	580130	2	9	85	1680	1511	0	2212392	1894737	2526315
5	891603	1	9	50	1180	0	0	3107186	2526316	3157894
6	552162	2	9	80	1467	1584	0	3660528	3157895	3789473
7	190216	2	9	100	1109	1465	0	3853795	3789474	4421052
8	1071910	2	9	75	1609	1661	0	4928279	4421053	5052631
9	643017	2	9	95	1665	1469	0	5574566	5052632	5684210
10	258211	3	9	65	1171	1670	1445	5835911	5684211	6315789
11	940377	3	9	60	1109	1046	1558	6780574	6315790	6947368
12	439292	3	9	90	1365	1395	1220	7223579	6947369	7578947
13	835692	2	9	75	1422	1603	0	8063251	7578948	8210526
14	324941	1	9	50	1776	0	0	8391217	8210527	8842105
15	1041231	2	9	70	1271	1771	0	9434224	8842106	9473684
16	485547	2	9	60	1295	1668	0	9922813	9473685	10105263
17	413214	2	9	100	1180	1460	0	10338990	10105264	10736842
18	956264	1	9	95	1562	0	0	11297894	10736843	11368421
19	686432	3	9	90	1337	1599	1188	11985888	11368422	12000000

Total number of pulses in waveform = 39



Type 5 Radar Waveform_8

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	86474	3	12	100	1342	1947	1556	86474	0	599999
2	749973	1	12	70	1058	0	0	841292	600000	1199999
3	840956	2	12	55	1364	1997	0	1683306	1200000	1799999
4	450625	3	12	75	1723	1076	1980	2137292	1800000	2399999
5	302936	2	12	95	1019	1958	0	2745320	2400000	2999999
6	603249	2	12	100	1912	1265	0	3051233	3000000	3599999
7	1025773	2	12	90	1944	1160	0	4080183	3600000	4199999
8	255406	3	12	100	1538	1774	1145	4338693	4200000	4799999
9	648927	1	12	85	1574	0	0	4992077	4800000	5399999
10	450582	3	12	50	1644	1882	1302	5444233	5400000	5999999
11	1035999	2	12	55	1401	1712	0	6485060	6000000	6599999
12	428291	2	12	60	1000	1005	0	6916464	6600000	7199999
13	602842	1	12	75	1183	0	0	7521311	7200000	7799999
14	475594	2	12	80	1504	1002	0	7998088	7800000	8399999
15	609685	1	12	55	1606	0	0	8610279	8400000	8999999
16	961959	3	12	100	1332	1927	1887	9573844	9000000	9599999
17	32181	1	12	60	1652	0	0	9611171	9600000	10199999
18	966183	1	12	65	1521	0	0	10579006	10200000	10799999
19	238197	3	12	95	1563	1532	1375	10818724	10800000	11399999
20	582691	1	12	80	1460	0	0	11405885	11400000	11999999

Total number of pulses in waveform = 39

Type 5 Radar Waveform_9

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	4296	2	17	75	1487	1165	0	4296	0	1090908
2	1176172	1	17	100	1437	0	0	1183120	1090909	2181817
3	1619585	1	17	95	1973	0	0	2804142	2181818	3272726
4	1426601	3	17	60	1217	1949	1733	4232716	3272727	4363635
5	423806	2	17	55	1889	1571	0	4661421	4363636	5454544
6	1308337	1	17	80	1012	0	0	5973218	5454545	6545453
7	994810	2	17	70	1147	1965	0	6969040	6545454	7636362
8	1028737	2	17	90	1864	1462	0	8000889	7636363	8727271
9	1104077	1	17	50	1932	0	0	9108292	8727272	9818180
10	805479	3	17	95	1616	1773	1264	9915703	9818181	10909089
11	1399926	1	17	50	1316	0	0	11320282	10909090	11999998

Total number of pulses in waveform = 19

Type 5 Radar Waveform_10

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	148690	2	5	70	1224	1245	0	148690	0	1090908
2	993567	1	5	80	1629	0	0	1144726	1090909	2181817
3	1513481	1	5	75	1671	0	0	2659836	2181818	3272726
4	1150540	2	5	70	1396	1094	0	3812047	3272727	4363635
5	1155437	1	5	70	1641	0	0	4969974	4363636	5454544
6	1219450	3	5	90	1996	1285	1522	6191065	5454545	6545453
7	488857	1	5	70	1147	0	0	6684725	6545454	7636362
8	1549147	2	5	80	1789	1882	0	8235019	7636363	8727271
9	592951	3	5	75	1355	1382	1328	8831641	8727272	9818180
10	1457654	3	5	50	1605	1361	1272	10293360	9818181	10909089
11	915871	3	5	60	1553	1192	1061	11213469	10909090	11999998

Total number of pulses in waveform = 22

**Type 5 Radar Waveform_11**

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	490091	3	19	60	1557	1753	1473	490091	0	1499999
2	1759531	3	19	50	1441	1521	1718	2254405	1500000	2999999
3	1525284	3	19	65	1688	1865	1502	3784369	3000000	4499999
4	1619499	2	19	100	1175	1668	0	5408923	4500000	5999999
5	1944704	3	19	50	1349	1211	1657	7356470	6000000	7499999
6	466078	2	19	55	1048	1579	0	7826765	7500000	8999999
7	2132239	1	19	90	1660	0	0	9961631	9000000	10499999
8	763006	3	19	50	1613	1642	1326	10726297	10500000	11999999

Total number of pulses in waveform = 20

Type 5 Radar Waveform_12

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	297489	2	8	50	1600	1647	0	297489	0	857142
2	825190	1	8	65	1255	0	0	1125926	857143	1714285
3	1388244	3	8	80	1250	1341	1896	2515425	1714286	2571428
4	460450	1	8	70	1356	0	0	2980362	2571429	3428571
5	570734	3	8	50	1549	1298	1217	3552452	3428572	4285714
6	735063	3	8	75	1805	1414	1786	4291579	4285715	5142857
7	1470510	2	8	90	1259	1709	0	5767094	5142858	6000000
8	1057785	1	8	75	1235	0	0	6827847	6000001	6857143
9	338921	1	8	60	1017	0	0	7168003	6857144	7714286
10	769201	1	8	100	1833	0	0	7938221	7714287	8571429
11	1042375	3	8	85	1374	1986	1973	8982479	8571430	9428572
12	967870	3	8	65	1550	1391	1770	9955682	9428573	10285715
13	632391	1	8	100	1500	0	0	10592784	10285716	11142858
14	1302683	2	8	50	1664	1327	0	11896967	11142859	12000001

Total number of pulses in waveform = 27

Type 5 Radar Waveform_13

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1175884	2	10	80	1405	1886	0	1175884	0	1199999
2	1119101	1	10	50	1678	0	0	2298276	1200000	2399999
3	736199	1	10	95	1902	0	0	3036153	2400000	3599999
4	1296494	2	10	90	1234	1703	0	4334549	3600000	4799999
5	1327904	1	10	65	1685	0	0	5665390	4800000	5999999
6	808494	1	10	100	1789	0	0	6475569	6000000	7199999
7	1169458	1	10	80	1551	0	0	7646816	7200000	8399999
8	1605265	3	10	55	1833	1824	1949	9253632	8400000	9599999
9	1092933	3	10	100	1901	1491	1639	10352171	9600000	10799999
10	1492289	3	10	65	1815	1415	1430	11849491	10800000	11999999

Total number of pulses in waveform = 18

**Type 5 Radar Waveform_14**

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	87315	3	14	70	1038	1296	1317	87315	0	1499999
2	2019978	3	14	75	1219	1580	1553	2110944	1500000	2999999
3	1454126	3	14	95	1076	1543	1873	3569422	3000000	4499999
4	2185776	1	14	50	1089	0	0	5759690	4500000	5999999
5	686817	1	14	65	1772	0	0	6447596	6000000	7499999
6	2414971	3	14	55	1072	1985	1945	8864339	7500000	8999999
7	1170222	2	14	60	1971	1314	0	10039563	9000000	10499999
8	1009805	1	14	55	1741	0	0	11052653	10500000	11999999

Total number of pulses in waveform = 17

Type 5 Radar Waveform_15

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	144332	1	18	55	1114	0	0	144332	0	1199999
2	1437422	3	18	55	1899	1051	1110	1582868	1200000	2399999
3	1818708	3	18	100	1974	1562	1184	3405636	2400000	3599999
4	976438	1	18	85	1066	0	0	4386794	3600000	4799999
5	1581710	3	18	90	1064	1265	1898	5969570	4800000	5999999
6	891583	3	18	100	1740	1814	1586	6865380	6000000	7199999
7	1332864	2	18	75	1099	1451	0	8203384	7200000	8399999
8	263300	2	18	55	1203	1404	0	8469234	8400000	9599999
9	1403757	1	18	55	1195	0	0	9875598	9600000	10799999
10	1809690	1	18	65	1439	0	0	11686483	10800000	11999999

Total number of pulses in waveform = 20

Type 5 Radar Waveform_16

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	778560	1	6	85	1472	0	0	778560	0	799999
2	132834	1	6	65	1694	0	0	912866	800000	1599999
3	1017860	3	6	75	1342	1288	1948	1932420	1600000	2399999
4	697318	3	6	75	1594	1051	1916	2634316	2400000	3199999
5	658519	1	6	70	1452	0	0	3297396	3200000	3999999
6	963762	3	6	70	1284	1105	1120	4262610	4000000	4799999
7	1317010	3	6	70	1128	1092	1667	5583129	4800000	5599999
8	457723	2	6	70	1009	1175	0	6044739	5600000	6399999
9	418208	3	6	55	1309	1093	1221	6465131	6400000	7199999
10	966729	3	6	50	1661	1160	1722	7435483	7200000	7999999
11	1039621	2	6	85	1928	1332	0	8479647	8000000	8799999
12	613810	2	6	85	1561	1233	0	9096717	8800000	9599999
13	1283329	1	6	90	1955	0	0	10382840	9600000	10399999
14	599191	1	6	90	1608	0	0	10983986	10400000	11199999
15	852716	1	6	80	1440	0	0	11838310	11200000	11999999

Total number of pulses in waveform = 30



Type 5 Radar Waveform_17

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	70079	1	9	95	1620	0	0	70079	0	799999
2	1023602	3	9	90	1602	1964	1369	1095301	800000	1599999
3	880298	2	9	95	1426	1887	0	1980534	1600000	2399999
4	918585	1	9	100	1999	0	0	2902432	2400000	3199999
5	755994	1	9	100	1366	0	0	3660425	3200000	3999999
6	786459	2	9	70	1637	1557	0	4448250	4000000	4799999
7	1116949	3	9	50	1568	1904	1475	5568393	4800000	5599999
8	345920	1	9	85	1687	0	0	5919260	5600000	6399999
9	589498	1	9	65	1170	0	0	6510445	6400000	7199999
10	1252440	2	9	90	1898	1859	0	7764055	7200000	7999999
11	287387	1	9	50	1928	0	0	8055199	8000000	8799999
12	1314123	1	9	75	1258	0	0	9371250	8800000	9599999
13	282555	1	9	50	1054	0	0	9655063	9600000	10399999
14	1497483	1	9	75	1610	0	0	11153600	10400000	11199999
15	71515	1	9	85	1786	0	0	11226725	11200000	11999999

Total number of pulses in waveform = 22

Type 5 Radar Waveform_18

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	476872	1	12	70	1503	0	0	476872	0	666666
2	845466	3	12	75	1449	1194	1731	1323841	666667	1333333
3	357618	1	12	60	1028	0	0	1685833	1333334	2000000
4	752346	1	12	70	1256	0	0	2439207	2000001	2666667
5	679120	2	12	50	1827	1167	0	3119583	2666668	3333334
6	823290	3	12	75	1249	1632	1471	3945867	3333335	4000001
7	307630	3	12	50	1387	1496	1859	4257849	4000002	4666668
8	521101	3	12	70	1201	1954	1843	4783692	4666669	5333335
9	711656	3	12	90	1164	1580	1734	5500346	5333336	6000002
10	657590	1	12	95	1149	0	0	6162414	6000003	6666669
11	590130	2	12	70	1229	1041	0	6753693	6666670	7333336
12	1103582	2	12	60	1875	1443	0	7859545	7333337	8000003
13	174705	1	12	65	1366	0	0	8037568	8000004	8666670
14	844436	2	12	55	1059	1128	0	8883360	8666671	9333337
15	842064	3	12	75	1087	1592	1670	9727611	9333338	10000004
16	516800	2	12	60	1231	1560	0	10248760	10000005	10666671
17	776193	1	12	50	1779	0	0	11027744	10666672	11333338
18	666797	2	12	90	1213	1611	0	11696320	11333339	12000005

Total number of pulses in waveform = 36

Type 5 Radar Waveform_19

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	521520	2	17	70	1924	1713	0	521520	0	1090908
2	1546349	2	17	50	1426	1868	0	2071506	1090909	2181817
3	310720	3	17	55	1453	1339	1712	2385520	2181818	3272726
4	1633730	3	17	50	1166	1061	1011	4023754	3272727	4363635
5	948041	3	17	55	1888	1571	1779	4975033	4363636	5454544
6	1078756	2	17	65	1775	1537	0	6059027	5454545	6545453
7	1190354	2	17	60	1268	1677	0	7252693	6545454	7636362
8	933999	2	17	65	1044	1934	0	8189637	7636363	8727271
9	1454846	3	17	75	1742	1657	1260	9647461	8727272	9818180
10	463672	2	17	100	1301	1535	0	10115792	9818181	10909089
11	886836	3	17	70	1024	1163	1866	11005464	10909090	11999998

Total number of pulses in waveform = 27



Type 5 Radar Waveform_20

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	751026	2	5	65	1066	1108	0	751026	0	799999
2	397534	3	5	90	1364	1461	1027	1150734	800000	1599999
3	1096949	3	5	70	1421	1603	1720	2251535	1600000	2399999
4	198862	3	5	85	1848	1420	1297	2455141	2400000	3199999
5	1358705	3	5	70	1338	1800	1161	3818411	3200000	3999999
6	838690	1	5	55	1907	0	0	4661400	4000000	4799999
7	720190	3	5	85	1064	1337	1153	5383497	4800000	5599999
8	421472	1	5	70	1569	0	0	5808523	5600000	6399999
9	738284	3	5	75	1884	1409	1095	6548376	6400000	7199999
10	705957	2	5	50	1245	1172	0	7258721	7200000	7999999
11	1055308	1	5	90	1941	0	0	8316446	8000000	8799999
12	712920	2	5	65	1979	1589	0	9031307	8800000	9599999
13	1047959	1	5	80	1572	0	0	10082834	9600000	10399999
14	819729	1	5	60	1949	0	0	10904135	10400000	11199999
15	984717	3	5	50	1877	1009	1686	11890801	11200000	11999999

Total number of pulses in waveform = 32

Type 5 Radar Waveform_21

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	135958	2	19	85	1799	1395	0	135958	0	705881
2	1065072	3	19	95	1265	1430	1165	1204224	705882	1411763
3	379081	2	19	65	1074	1920	0	1587165	1411764	2117645
4	853931	3	19	95	1059	1450	1082	2444090	2117646	2823527
5	986203	2	19	50	1718	1342	0	3433884	2823528	3529409
6	429313	2	19	80	1605	1472	0	3866257	3529410	4235291
7	650778	2	19	60	1110	1121	0	4520112	4235292	4941173
8	947024	1	19	90	1653	0	0	5469367	4941174	5647055
9	566013	1	19	50	1857	0	0	6037033	5647056	6352937
10	363163	2	19	90	1879	1525	0	6402053	6352938	7058819
11	1033884	2	19	95	1346	1809	0	7439341	7058820	7764701
12	627771	3	19	60	1985	1751	1521	8070267	7764702	8470583
13	985327	3	19	90	1194	1968	1639	9060851	8470584	9176465
14	259315	1	19	70	1845	0	0	9324967	9176466	9882347
15	661371	3	19	100	1108	1735	1661	9988183	9882348	10588229
16	755434	2	19	65	1286	1951	0	10748021	10588230	11294111
17	899898	2	19	85	1614	1808	0	11651156	11294112	11999993

Total number of pulses in waveform = 36

Type 5 Radar Waveform_22

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	205661	1	8	60	1195	0	0	205661	0	749999
2	1168808	1	8	95	1855	0	0	1375664	750000	1499999
3	606424	3	8	75	1492	1162	1295	1983943	1500000	2249999
4	513091	3	8	80	1208	1609	1730	2500983	2250000	2999999
5	509269	3	8	55	1234	1964	1177	3014799	3000000	3749999
6	966220	3	8	75	1521	1422	1909	3985394	3750000	4499999
7	970843	1	8	55	1640	0	0	4961089	4500000	5249999
8	460134	3	8	55	1495	1870	1210	5422863	5250000	5999999
9	926966	3	8	75	1038	1896	1474	6354404	6000000	6749999
10	676366	3	8	50	1396	1623	1450	7035178	6750000	7499999
11	1043092	2	8	55	1183	1190	0	8082739	7500000	8249999
12	198916	3	8	90	1539	1405	1156	8284028	8250000	8999999
13	1320061	2	8	55	1821	1800	0	9608189	9000000	9749999
14	676946	3	8	90	1335	1039	1122	10288756	9750000	10499999
15	586794	1	8	95	1277	0	0	10879046	10500000	11249999
16	564291	1	8	90	1311	0	0	11444614	11250000	11999999

Total number of pulses in waveform = 36



Type 5 Radar Waveform_23

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1075720	2	10	90	1792	1658	0	1075720	0	1333332
2	532192	2	10	65	1236	1487	0	1611362	1333333	2666665
3	2351728	2	10	95	1966	1995	0	3965813	2666666	3999998
4	1340093	1	10	90	1198	0	0	5309867	3999999	5333331
5	1053222	1	10	60	1510	0	0	6364287	5333332	6666664
6	1106766	3	10	60	1089	1611	1161	7472563	6666665	7999997
7	812995	3	10	75	1182	1219	1991	8289419	7999998	9333330
8	1774605	2	10	95	1561	1984	0	10068416	9333331	10666663
9	1400198	1	10	75	1606	0	0	11472159	10666664	11999996

Total number of pulses in waveform = 17

Type 5 Radar Waveform_24

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	100055	2	14	70	1202	1247	0	100055	0	749999
2	1255961	2	14	90	1657	1932	0	1358465	750000	1499999
3	864318	3	14	55	1652	1280	1648	2226372	1500000	2249999
4	194915	1	14	90	1786	0	0	2425867	2250000	2999999
5	969290	1	14	95	1754	0	0	3396943	3000000	3749999
6	1051405	3	14	95	1666	1275	1733	4450102	3750000	4499999
7	408618	1	14	55	1408	0	0	4863394	4500000	5249999
8	575166	1	14	60	1175	0	0	5439968	5250000	5999999
9	834663	1	14	70	1882	0	0	6275806	6000000	6749999
10	948802	3	14	70	1725	1160	1268	7226490	6750000	7499999
11	487623	2	14	80	1290	1110	0	7718266	7500000	8249999
12	1117260	2	14	90	1646	1640	0	8837926	8250000	8999999
13	317294	1	14	90	1169	0	0	9158506	9000000	9749999
14	736529	2	14	80	1295	1733	0	9896204	9750000	10499999
15	640767	2	14	70	1985	1620	0	10539999	10500000	11249999
16	1136861	1	14	80	1877	0	0	11680465	11250000	11999999

Total number of pulses in waveform = 28

Type 5 Radar Waveform_25

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	692955	3	18	50	1886	1329	1686	692955	0	705881
2	53622	2	18	80	1549	1323	0	751478	705882	1411763
3	790182	3	18	90	1485	1385	1141	1544532	1411764	2117645
4	1193750	1	18	70	1907	0	0	2742293	2117646	2823527
5	418814	2	18	90	1939	1773	0	3163014	2823528	3529409
6	939315	2	18	60	1746	1152	0	4106041	3529410	4235291
7	493549	2	18	90	1984	1658	0	4602488	4235292	4941173
8	578888	3	18	65	1640	1317	1529	5185018	4941174	5647055
9	883031	3	18	65	1711	1188	1232	6072535	5647056	6352937
10	895496	1	18	95	1091	0	0	6972162	6352938	7058819
11	443278	2	18	95	1696	1122	0	7416531	7058820	7764701
12	638966	1	18	80	1276	0	0	8058315	7764702	8470583
13	583684	3	18	85	1065	1958	1232	8643275	8470584	9176465
14	1109570	2	18	90	1254	1920	0	9757100	9176466	9882347
15	251872	3	18	65	1152	1484	1734	10012146	9882348	10588229
16	1098537	2	18	100	1441	1850	0	11115053	10588230	11294111
17	519793	2	18	60	1950	1943	0	11638137	11294112	11999993

Total number of pulses in waveform = 37



Type 5 Radar Waveform_26

Num of Bursts = 19
Burst Interval (us) = 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	450707	3	6	75	1487	1447	1001	450707	0	631578
2	453305	2	6	90	1450	1106	0	907947	631579	1263157
3	865523	3	6	80	1607	1024	1902	1776026	1263158	1894736
4	712778	2	6	50	1210	1411	0	2493337	1894737	2526315
5	88877	2	6	95	1075	1237	0	2584835	2526316	3157894
6	673073	3	6	55	1671	1020	1901	3260220	3157895	3789473
7	876507	2	6	60	1699	1713	0	4141319	3789474	4421052
8	680827	3	6	60	1771	1246	1097	4825558	4421053	5052631
9	660910	3	6	50	1967	1051	1307	5490582	5052632	5684210
10	506060	3	6	55	1195	1979	1751	6000967	5684211	6315789
11	478061	3	6	85	1868	1656	1953	6483953	6315790	6947368
12	652629	1	6	55	1531	0	0	7142059	6947369	7578947
13	807611	2	6	90	1203	1337	0	7951201	7578948	8210526
14	693715	1	6	75	1472	0	0	8647456	8210527	8842105
15	700744	3	6	95	1196	1873	1255	9349672	8842106	9473684
16	123527	1	6	75	1010	0	0	9477523	9473685	10105263
17	693844	3	6	85	1846	1057	1053	10172377	10105264	10736842
18	1044937	1	6	95	1197	0	0	11221270	10736843	11368421
19	378894	2	6	70	1750	1607	0	11601361	11368422	12000000

Total number of pulses in waveform = 43

Type 5 Radar Waveform_27

Num of Bursts = 20
Burst Interval (us) = 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	278757	1	9	100	1348	0	0	278757	0	599999
2	891920	2	9	95	1274	1712	0	1172025	600000	1199999
3	176127	3	9	75	1930	1859	1045	1351138	1200000	1799999
4	798638	1	9	65	1801	0	0	2154610	1800000	2399999
5	316630	3	9	85	1750	1464	1785	2473041	2400000	2999999
6	771418	1	9	65	1756	0	0	3249458	3000000	3599999
7	377279	1	9	50	1313	0	0	3628493	3600000	4199999
8	954296	3	9	95	1121	1043	1651	4584102	4200000	4799999
9	752058	2	9	80	1667	1151	0	5339975	4800000	5399999
10	635605	3	9	50	1387	1679	1133	5978398	5400000	5999999
11	306677	1	9	55	1460	0	0	6289274	6000000	6599999
12	464203	1	9	55	1981	0	0	6754937	6600000	7199999
13	919327	1	9	100	1730	0	0	7676245	7200000	7799999
14	450291	2	9	70	1628	1395	0	8128266	7800000	8399999
15	290246	2	9	85	1925	1514	0	8421535	8400000	8999999
16	756359	3	9	75	1235	1574	1757	9181333	9000000	9599999
17	768440	1	9	75	1121	0	0	9954339	9600000	10199999
18	382911	3	9	75	1791	1118	1243	10388371	10200000	10799999
19	853032	1	9	80	1298	0	0	11195555	10800000	11399999
20	759310	2	9	80	1075	1368	0	11956163	11400000	11999999

Total number of pulses in waveform = 37

Type 5 Radar Waveform_28

Num of Bursts = 19
Burst Interval (us) = 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	368012	1	12	75	1774	0	0	368012	0	631578
2	338283	3	12	50	1770	1689	1385	708069	631579	1263157
3	932208	3	12	65	1124	1554	1558	1645121	1263158	1894736
4	498857	2	12	50	1600	1002	0	2148214	1894737	2526315
5	744374	1	12	70	1560	0	0	2895190	2526316	3157894
6	886895	1	12	80	1999	0	0	3783645	3157895	3789473
7	132748	1	12	65	1184	0	0	3918392	3789474	4421052
8	822239	3	12	85	1897	1293	1923	4741815	4421053	5052631
9	442190	2	12	65	1861	1268	0	5189118	5052632	5684210
10	518029	2	12	75	1683	1709	0	5710276	5684211	6315789
11	1002011	3	12	75	1098	1416	1938	6715679	6315790	6947368
12	360162	3	12	80	1920	1334	1100	7080293	6947369	7578947
13	1005130	2	12	70	1672	1805	0	8089777	7578948	8210526
14	726213	3	12	70	1177	1131	1184	8819467	8210527	8842105
15	222637	3	12	65	1477	1528	1164	9045596	8842106	9473684
16	659831	1	12	50	1708	0	0	9709596	9473685	10105263
17	989000	1	12	90	1428	0	0	10700304	10105264	10736842
18	642784	3	12	100	1629	1394	1040	11344516	10736843	11368421
19	462484	2	12	70	1375	1341	0	11811063	11368422	12000000

Total number of pulses in waveform = 40



Type 5 Radar Waveform_29

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1009344	3	17	85	1723	1764	1162	254600	0	749999
2	881705	3	17	80	1401	1137	1638	1268593	750000	1499999
3	770970	3	17	90	1270	1648	1809	2154474	1500000	2249999
4	262805	3	17	85	1297	1811	1903	2930171	2250000	2999999
5	873485	2	17	100	1199	1324	0	3197987	3000000	3749999
6	993765	2	17	95	1064	1394	0	4073995	3750000	4499999
7	813378	3	17	95	1192	1341	1976	5070218	4500000	5249999
8	343700	2	17	55	1550	1294	0	5888105	5250000	5999999
9	821891	2	17	65	1194	1229	0	6234649	6000000	6749999
10	955717	3	17	85	1056	1121	1082	7058963	6750000	7499999
11	665211	3	17	75	1444	1267	1787	8017939	7500000	8249999
12	990369	1	17	65	1019	0	0	8687648	8250000	8999999
13	244342	1	17	95	1670	0	0	9679036	9000000	9749999
14	602450	2	17	85	1129	1403	0	9925048	9750000	10499999
15	1275044	2	17	70	1327	1451	0	10530030	10500000	11249999
16		2	17	95	1345	1285	0	11807852	11250000	11999999

Total number of pulses in waveform = 37

Type 5 Radar Waveform_30

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	582235	1	5	75	1121	0	0	582235	0	599999
2	92604	1	5	60	1895	0	0	675960	600000	1199999
3	733300	3	5	60	1904	1091	1638	1411155	1200000	1799999
4	970472	1	5	50	1830	0	0	2386260	1800000	2399999
5	383688	1	5	70	1682	0	0	2771778	2400000	2999999
6	479197	1	5	55	1449	0	0	3252657	3000000	3599999
7	392991	2	5	100	1070	1580	0	3647097	3600000	4199999
8	1003468	3	5	75	1638	1034	1113	4653215	4200000	4799999
9	563110	1	5	50	1306	0	0	5220110	4800000	5399999
10	718743	1	5	60	1597	0	0	5940159	5400000	5999999
11	292277	1	5	95	1514	0	0	6234033	6000000	6599999
12	842224	3	5	95	1447	1154	1990	7077771	6600000	7199999
13	352588	3	5	95	1812	1561	1833	7434950	7200000	7799999
14	599412	3	5	70	1190	1297	1821	8039568	7800000	8399999
15	526251	1	5	65	1318	0	0	8570127	8400000	8999999
16	535572	3	5	95	1641	1749	1806	9107017	9000000	9599999
17	976952	2	5	80	1725	1130	0	10089165	9600000	10199999
18	233417	2	5	90	1551	1556	0	10325437	10200000	10799999
19	726766	1	5	70	1036	0	0	11055310	10800000	11399999
20	378642	3	5	50	1179	1613	1280	11434988	11400000	11999999

Total number of pulses in waveform = 37

Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5327	1	16	5327	1
2	5327	1	17	5327	1
3	5327	1	18	5327	1
4	5327	1	19	5327	1
5	5327	1	20	5327	1
6	5327	1	21	5327	1
7	5327	1	22	5327	1
8	5327	1	23	5327	1
9	5327	1	24	5327	1
10	5327	1	25	5327	1
11	5327	1	26	5327	1
12	5327	1	27	5327	1
13	5327	1	28	5327	1
14	5327	1	29	5327	1
15	5327	1	30	5327	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5298	21	19	5331	57
9	5305	27	27	5315	81
14	5319	42	43	5339	129
22	5339	66	47	5323	141
28	5336	84	49	5345	147
38	5347	114	60	5354	180
41	5304	123	69	5356	207
73	5340	219	73	5312	219
80	5337	240	83	5319	249
83	5344	249	92	5326	276
88	5341	264	96	5301	288
95	5357	285	97	5300	291
96	5320	288	--	--	--

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5345	6	3	5310	9
13	5322	39	6	5337	18
16	5344	48	9	5339	27
19	5315	57	13	5353	39
39	5298	117	15	5325	45
46	5307	138	21	5335	63
52	5353	156	47	5316	141
76	5316	228	53	5302	159
80	5346	240	56	5344	168
83	5358	249	65	5341	195
84	5328	252	79	5338	237
88	5310	264	80	5324	240
90	5311	270	81	5326	243
92	5306	276	82	5319	246
--	--	--	83	5355	249
--	--	--	85	5307	255
--	--	--	92	5317	276

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
13	5342	39	4	5354	12
15	5348	45	7	5328	21
24	5315	72	21	5326	63
38	5353	114	28	5347	84
47	5341	141	39	5334	117
49	5309	147	52	5310	156
74	5314	222	54	5320	162
76	5319	228	64	5309	192
91	5349	273	68	5332	204
98	5327	294	70	5308	210
--	--	--	73	5323	219
--	--	--	97	5301	291

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
24	5313	72	11	5322	33
26	5316	78	16	5356	48
27	5308	81	18	5314	54
33	5324	99	35	5318	105
58	5325	174	54	5329	162
78	5336	234	68	5338	204
80	5300	240	77	5308	231
--	--	--	78	5331	234
--	--	--	82	5321	246
--	--	--	83	5320	249
--	--	--	89	5332	267

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5332	15	9	5326	27
9	5309	27	15	5327	45
18	5300	54	17	5310	51
20	5340	60	25	5345	75
23	5302	69	29	5336	87
25	5338	75	31	5340	93
33	5306	99	41	5322	123
34	5326	102	48	5343	144
39	5348	117	54	5309	162
46	5358	138	65	5358	195
47	5334	141	87	5357	261
48	5299	144	--	--	--
51	5318	153	--	--	--
53	5333	159	--	--	--
54	5335	162	--	--	--
77	5322	231	--	--	--

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
9	5306	27	6	5348	18
28	5309	84	7	5354	21
35	5353	105	11	5331	33
42	5312	126	12	5312	36
46	5343	138	15	5355	45
47	5338	141	17	5307	51
48	5342	144	35	5310	105
50	5315	150	41	5339	123
56	5355	168	51	5337	153
--	--	--	76	5332	228
--	--	--	87	5326	261
--	--	--	92	5304	276

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5350	3	4	5346	12
7	5329	21	6	5308	18
16	5347	48	7	5304	21
22	5327	66	11	5356	33
25	5320	75	13	5311	39
37	5334	111	15	5336	45
61	5342	183	16	5345	48
77	5325	231	20	5331	60
79	5358	237	25	5299	75
83	5316	249	44	5353	132
92	5349	276	70	5306	210
--	--	--	72	5357	216
--	--	--	83	5320	249
--	--	--	86	5301	258
--	--	--	87	5321	261
--	--	--	93	5338	279
--	--	--	94	5327	282
--	--	--	97	5352	291
--	--	--	99	5351	297

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5325	15	1	5314	3
15	5324	45	10	5358	30
17	5328	51	13	5355	39
18	5298	54	26	5351	78
23	5345	69	30	5306	90
27	5305	81	33	5303	99
28	5349	84	47	5341	141
34	5341	102	60	5350	180
37	5306	111	74	5319	222
44	5336	132	88	5307	264
51	5338	153	95	5305	285
53	5320	159	--	--	--
78	5323	234	--	--	--
85	5311	255	--	--	--
91	5314	273	--	--	--
93	5317	279	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5314	30	12	5345	36
13	5330	39	15	5356	45
15	5325	45	21	5330	63
19	5306	57	22	5303	66
23	5351	69	26	5306	78
43	5336	129	27	5307	81
45	5321	135	43	5338	129
52	5357	156	46	5309	138
53	5355	159	59	5300	177
89	5333	267	72	5299	216
97	5324	291	76	5301	228
99	5322	297	85	5314	255

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5320	6	24	5308	72
5	5307	15	30	5337	90
6	5313	18	32	5299	96
7	5356	21	34	5349	102
9	5335	27	46	5346	138
11	5302	33	48	5338	144
12	5300	36	51	5339	153
13	5324	39	53	5348	159
15	5318	45	84	5336	252
27	5345	81	88	5298	264
38	5338	114	--	--	--
55	5339	165	--	--	--
76	5331	228	--	--	--
97	5351	291	--	--	--
99	5317	297	--	--	--

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5313	9	7	5324	21
5	5322	15	19	5346	57
9	5314	27	25	5318	75
16	5312	48	46	5345	138
30	5328	90	47	5342	141
45	5321	135	48	5350	144
50	5323	150	52	5312	156
51	5356	153	93	5323	279
60	5353	180	--	--	--
65	5351	195	--	--	--
81	5345	243	--	--	--

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5347	18	5	5354	15
16	5333	48	9	5353	27
26	5343	78	10	5349	30
39	5325	117	11	5305	33
48	5339	144	21	5304	63
59	5335	177	25	5319	75
66	5349	198	31	5347	93
82	5344	246	34	5351	102
89	5336	267	38	5327	114
94	5329	282	40	5334	120
95	5322	285	44	5300	132
--	--	--	70	5337	210
--	--	--	71	5307	213
--	--	--	94	5314	282
--	--	--	97	5350	291

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5336	6	8	5326	24
5	5312	15	11	5305	33
7	5320	21	13	5298	39
19	5306	57	40	5355	120
29	5342	87	46	5310	138
31	5308	93	47	5351	141
32	5328	96	59	5327	177
41	5344	123	61	5316	183
50	5317	150	67	5345	201
53	5350	159	75	5302	225
55	5337	165	77	5347	231
68	5343	204	83	5329	249
69	5319	207	85	5346	255
72	5358	216	96	5330	288
88	5357	264	97	5308	291

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5357	12	7	5347	21
20	5333	60	20	5357	60
27	5324	81	22	5335	66
35	5302	105	24	5355	72
49	5320	147	36	5325	108
54	5299	162	60	5350	180
55	5358	165	74	5331	222
61	5310	183	78	5338	234
68	5349	204	85	5305	255
71	5305	213	88	5317	264
72	5353	216	97	5337	291
81	5355	243	--	--	--
91	5303	273	--	--	--
95	5345	285	--	--	--
99	5335	297	--	--	--

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
17	5342	51	14	5357	42
19	5337	57	18	5327	54
37	5333	111	54	5318	162
44	5358	132	66	5320	198
49	5318	147	70	5343	210
57	5311	171	75	5332	225
70	5351	210	79	5336	237
72	5321	216	85	5335	255
83	5305	249	87	5345	261
84	5357	252	89	5330	267
93	5327	279	90	5328	270
--	--	--	95	5319	285
--	--	--	97	5310	291

Radio C Radar Statistical Performance for 802.11ac-VHT80

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5252	1	918	58	1
2	5252	1	3066	18	1
3	5252	1	698	76	1
4	5252	1	638	83	1
5	5252	1	578	92	1
6	5252	1	858	62	1
7	5252	1	818	65	1
8	5252	1	518	102	1
9	5252	1	758	70	1
10	5252	1	838	63	1
11	5252	1	738	72	1
12	5252	1	658	81	1
13	5252	1	558	95	1
14	5252	1	618	86	1
15	5252	1	678	78	1
16	5252	1	2144	25	1
17	5252	1	2918	19	1
18	5252	1	1497	36	1
19	5252	1	2504	22	1
20	5252	1	2478	22	1
21	5252	1	1788	30	1
22	5252	1	1832	29	1
23	5252	1	2703	20	1
24	5252	1	1361	39	1
25	5252	1	2709	20	1
26	5252	1	2531	21	1
27	5252	1	752	71	1
28	5252	1	2756	20	1
29	5252	1	2972	18	1
30	5252	1	2673	20	1
Detection Percentage (%)					100%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5270	3.8	225	25	1
2	5270	4.9	223	27	1
3	5270	3.8	164	24	1
4	5270	2.3	226	23	1
5	5270	4.3	211	23	1
6	5270	4.7	197	28	1
7	5270	1.1	223	26	1
8	5270	2.1	193	27	1
9	5270	5.0	216	29	1
10	5270	3.3	167	28	1
11	5270	4.4	154	23	1
12	5270	3.5	211	23	1
13	5270	5.0	160	28	1
14	5270	1.0	193	28	1
15	5270	2.9	215	27	1
16	5270	3.6	166	28	1
17	5270	1.2	218	26	1
18	5270	2.4	223	23	1
19	5270	1.3	188	29	1
20	5270	2.3	216	28	1
21	5270	4.2	204	28	1
22	5270	3.3	215	26	1
23	5270	4.3	193	28	1
24	5270	2.8	202	27	1
25	5270	4.9	185	25	1
26	5270	4.9	170	24	1
27	5270	2.4	227	23	1
28	5270	4.4	226	29	1
29	5270	2.8	158	29	1
30	5270	3.8	228	29	1
Detection Percentage (%)					100%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5290	8.3	441	16	1
2	5290	8.2	364	17	1
3	5290	7.0	252	17	1
4	5290	6.4	442	16	1
5	5290	7.8	263	17	1
6	5290	6.4	440	17	1
7	5290	7.4	445	18	1
8	5290	6.7	470	17	1
9	5290	7.8	375	17	1
10	5290	7.7	471	17	1
11	5290	7.7	462	17	1
12	5290	6.0	372	16	1
13	5290	7.8	427	18	1
14	5290	9.0	442	16	1
15	5290	7.7	361	17	1
16	5290	9.1	254	18	1
17	5290	7.8	323	16	1
18	5290	7.1	280	16	1
19	5290	7.8	353	16	1
20	5290	8.9	468	18	1
21	5290	7.5	334	16	1
22	5290	9.5	391	18	1
23	5290	9.2	487	18	1
24	5290	8.1	411	18	1
25	5290	8.4	333	16	1
26	5290	6.4	476	17	1
27	5290	7.5	433	17	1
28	5290	6.3	346	16	1
29	5290	6.9	491	16	1
30	5290	6.6	383	18	1
Detection Percentage (%)					100%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5328	15.2	339	15	1
2	5328	16.0	402	13	1
3	5328	11.4	274	16	1
4	5328	18.2	325	13	1
5	5328	16.7	391	15	1
6	5328	13.1	262	13	1
7	5328	17.3	315	16	1
8	5328	15.6	417	14	1
9	5328	17.9	421	14	1
10	5328	14.6	496	16	1
11	5328	20.0	466	13	1
12	5328	11.7	371	12	1
13	5328	17.0	451	14	1
14	5328	17.6	272	12	1
15	5328	15.3	277	13	1
16	5328	16.1	286	14	1
17	5328	17.1	251	16	1
18	5328	14.2	460	15	1
19	5328	15.8	307	15	1
20	5328	12.5	374	15	1
21	5328	14.4	445	15	1
22	5328	15.9	365	16	1
23	5328	16.2	431	12	1
24	5328	16.7	460	13	1
25	5328	15.0	361	16	1
26	5328	16.1	485	15	1
27	5328	17.4	252	12	1
28	5328	14.8	303	15	1
29	5328	14.7	336	14	1
30	5328	12.4	383	14	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5259.6	1	16	5290.0	1
2	5255.2	1	17	5290.0	1
3	5256.0	1	18	5290.0	1
4	5257.6	1	19	5290.0	1
5	5259.2	1	20	5290.0	1
6	5254.4	1	21	5320.4	1
7	5255.6	1	22	5324.8	1
8	5256.8	1	23	5324.0	1
9	5258.8	1	24	5322.4	1
10	5254.0	1	25	5320.8	1
11	5290.0	1	26	5325.6	1
12	5290.0	1	27	5324.4	1
13	5290.0	1	28	5323.2	1
14	5290.0	1	29	5321.2	1
15	5290.0	1	30	5326.0	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	329512	1	19	75	1406	0	0	329512	0	1090908
2	1841777	1	19	85	1997	0	0	2172695	1090909	2181817
3	742782	2	19	55	1801	1802	0	2917474	2181818	3272726
4	433442	2	19	100	1960	1142	0	3354519	3272727	4363635
5	1411794	2	19	65	1170	1256	0	4769415	4363636	5454544
6	1713612	1	19	90	1390	0	0	6485453	5454545	6545453
7	1097889	1	19	70	1203	0	0	7584732	6545454	7636362
8	885949	3	19	90	1632	1395	1384	8471884	7636363	8727271
9	937502	3	19	80	1673	1051	1642	9413797	8727272	9818180
10	885300	2	19	60	1372	1004	0	10303463	9818181	10909089
11	1203532	3	19	70	1531	1042	1658	11509371	10909090	11999998

Total number of pulses in waveform = 21



Type 5 Radar Waveform_2

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	25615	2	8	70	1449	1529	0	25615	0	705881
2	1024965	1	8	55	1437	0	0	1053558	705882	1411763
3	686610	3	8	90	1011	1954	1492	1741605	1411764	2117645
4	816355	3	8	100	1093	1260	1974	2562417	2117646	2823527
5	898738	3	8	80	1781	1038	1436	3465482	2823528	3529409
6	128704	3	8	85	1844	1404	1243	3598441	3529410	4235291
7	893041	2	8	55	1705	1226	0	4495973	4235292	4941173
8	650394	2	8	55	1146	1054	0	5149298	4941174	5647055
9	1066784	3	8	60	1509	1324	1296	6218282	5647056	6352937
10	773659	3	8	70	1995	1265	1335	6996070	6352938	7058819
11	428098	2	8	55	1838	1020	0	7428763	7058820	7764701
12	443038	1	8	50	1520	0	0	7874659	7764702	8470583
13	1178018	2	8	90	1583	1154	0	9054197	8470584	9176465
14	742902	2	8	50	1875	1436	0	9799836	9176466	9882347
15	659653	2	8	85	1583	1446	0	10462800	9882348	10588229
16	727643	3	8	50	1510	1426	1978	11193472	10588230	11294111
17	496692	1	8	60	1256	0	0	11695078	11294112	11999993

Total number of pulses in waveform = 38

Type 5 Radar Waveform_3

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	574576	3	10	60	1232	1395	1484	574576	0	857142
2	739005	1	10	90	1597	0	0	1317692	857143	1714285
3	936457	3	10	70	1942	1373	1982	2255746	1714286	2571428
4	436020	3	10	65	1707	1197	1712	2697063	2571429	3428571
5	1238810	1	10	50	1798	0	0	3940489	3428572	4285714
6	1087057	1	10	70	1959	0	0	5029344	4285715	5142857
7	233150	1	10	85	1035	0	0	5264453	5142858	6000000
8	1128094	1	10	85	1490	0	0	6393582	6000001	6857143
9	1119569	2	10	75	1793	1236	0	7514641	6857144	7714286
10	774773	1	10	55	1945	0	0	8292443	7714287	8571429
11	874223	2	10	65	1593	1265	0	9168611	8571430	9428572
12	257236	2	10	50	1737	1563	0	9428705	9428573	10285715
13	1380035	3	10	70	1802	1547	1879	10812040	10285716	11142858
14	1161264	3	10	65	1334	1229	1305	11978532	11142859	12000001

Total number of pulses in waveform = 27

Type 5 Radar Waveform_4

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	256272	2	14	70	1099	1092	0	256272	0	599999
2	467771	3	14	85	1076	1237	1141	726234	600000	1199999
3	553592	3	14	85	1541	1466	1403	1283280	1200000	1799999
4	550471	1	14	85	1427	0	0	1838161	1800000	2399999
5	795326	3	14	90	1696	1526	1396	2634914	2400000	2999999
6	786931	2	14	65	1735	1759	0	3426463	3000000	3599999
7	521424	1	14	100	1020	0	0	3951381	3600000	4199999
8	806819	2	14	85	1057	1998	0	4759220	4200000	4799999
9	369634	1	14	90	1098	0	0	5131909	4800000	5399999
10	457861	1	14	80	1755	0	0	5590868	5400000	5999999
11	812363	2	14	60	1184	1518	0	6404986	6000000	6599999
12	621682	3	14	65	1908	1801	1347	7029370	6600000	7199999
13	888108	2	14	50	1978	1223	0	7345648	7200000	7799999
14	323420	2	14	95	1357	1467	0	8236957	7800000	8399999
15	642857	1	14	55	1760	0	0	8563201	8400000	8999999
16	889785	2	14	65	1708	1183	0	9207818	9000000	9599999
17	260839	3	14	65	1311	1679	1822	10100494	9600000	10199999
18	1022735	3	14	100	1740	1544	1337	10366145	10200000	10799999
19	162265	3	14	95	1997	1105	1468	11393501	10800000	11399999
20	162265	2	14	65	1925	1757	0	11560336	11400000	11999999

Total number of pulses in waveform = 42



Type 5 Radar Waveform_5

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	536016	3	18	85	1628	1695	1058	536016	0	749999
2	790334	1	18	95	1293	0	0	1330731	750000	1499999
3	237016	3	18	90	1805	1271	1755	1569040	1500000	2249999
4	890168	2	18	80	1598	1712	0	2464039	2250000	2999999
5	1242238	3	18	65	1380	1253	1879	3709587	3000000	3749999
6	539107	3	18	95	1457	1406	1331	4253206	3750000	4499999
7	338139	3	18	60	1942	1410	1260	4595539	4500000	5249999
8	849217	3	18	65	1390	1558	1901	5449368	5250000	5999999
9	675895	1	18	55	1125	0	0	6130112	6000000	6749999
10	1085675	2	18	95	1748	1859	0	7216912	6750000	7499999
11	604878	3	18	55	1098	1930	1419	7825397	7500000	8249999
12	886474	2	18	80	1869	1458	0	8716318	8250000	8999999
13	792102	2	18	50	1006	1554	0	9511747	9000000	9749999
14	689419	2	18	80	1755	1091	0	10203726	9750000	10499999
15	791844	2	18	85	1428	1049	0	10998416	10500000	11249999
16	592193	1	18	80	1600	0	0	11593086	11250000	11999999

Total number of pulses in waveform = 36

Type 5 Radar Waveform_6

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	997478	1	6	65	1277	0	0	997478	0	1090908
2	553284	2	6	90	1054	1765	0	1552039	1090909	2181817
3	1621759	1	6	80	1768	0	0	3176617	2181818	3272726
4	768713	2	6	90	1171	1234	0	3947098	3272727	4363635
5	686903	2	6	60	1043	1300	0	4636406	4363636	5454544
6	1035449	2	6	70	1022	1152	0	5674198	5454545	6545453
7	1691069	2	6	90	1467	1205	0	7367441	6545454	7636362
8	1233445	1	6	70	1837	0	0	8603558	7636363	8727271
9	219542	1	6	90	1725	0	0	8824937	8727272	9818180
10	1050188	3	6	85	1877	1610	1639	9876850	9818181	10909089
11	1622730	3	6	70	1318	1823	1957	11504706	10909090	11999998

Total number of pulses in waveform = 20

Type 5 Radar Waveform_7

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	37154	1	9	95	1240	0	0	37154	0	666666
2	708969	3	9	60	1024	1783	1337	747363	666667	1333333
3	840980	2	9	90	1634	1162	0	1592487	1333334	2000000
4	697675	3	9	70	1357	1951	1022	2292958	2000001	2666667
5	747901	3	9	95	1529	1244	1278	3045189	2666668	3333334
6	422151	3	9	100	1212	1173	1373	3471391	3333335	4000001
7	1060372	1	9	100	1905	0	0	4535521	4000002	4666668
8	679875	2	9	55	1684	1514	0	5217301	4666669	5333335
9	616110	1	9	75	1063	0	0	5836609	5333336	6000002
10	483252	3	9	55	1566	1607	1645	6320924	6000003	6666669
11	379219	3	9	80	1724	1195	1011	6704961	6666670	7333336
12	632424	3	9	75	1698	1878	1714	7341315	7333337	8000003
13	1276992	3	9	55	1072	1098	1822	8623597	8000004	8666670
14	518665	2	9	75	1675	1555	0	9146254	8666671	9333337
15	313930	1	9	50	1020	0	0	9463414	9333338	10000004
16	867807	1	9	75	1753	0	0	10332241	10000005	10666671
17	637155	3	9	95	1148	1469	1981	10971149	10666672	11333338
18	736166	3	9	60	1424	1173	1583	11711913	11333339	12000005

Total number of pulses in waveform = 41



Type 5 Radar Waveform_8

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	431064	3	12	100	1806	1751	1441	685842	0	705881
2	627256	3	12	75	1781	1751	1224	1121904	705882	1411763
3	780957	1	12	70	1387	0	0	1753916	1411764	2117645
4	797403	1	12	80	1338	0	0	2536260	2117646	2823527
5	833007	3	12	65	1958	1455	1343	3335001	2823528	3529409
6	596132	3	12	70	1896	1440	1553	4172764	3529410	4235291
7	237885	3	12	65	1756	1059	1909	4773785	4235292	4941173
8	1324820	3	12	50	1137	1811	1026	5016394	4941174	5647055
9	138344	2	12	50	1561	1734	0	6345188	5647056	6352937
10	1225430	1	12	90	1450	0	0	6486827	6352938	7058819
11	673415	1	12	75	1960	0	0	7713707	7058820	7764701
12	346569	1	12	70	1789	0	0	8389082	7764702	8470583
13	1079542	1	12	90	1343	0	0	8737440	8470584	9176465
14	547960	2	12	75	1833	1027	0	9818325	9176466	9882347
15	246443	2	12	100	1185	1848	0	10369145	9882348	10588229
16	1222815	3	12	80	1354	1512	1058	10618621	10588230	11294111
17		1	12	65	1104	0	0	11845360	11294112	11999993

Total number of pulses in waveform = 34

Type 5 Radar Waveform_9

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	819676	3	17	70	1337	1843	1347	819676	0	857142
2	43599	1	17	95	1199	0	0	867802	857143	1714285
3	1139760	1	17	90	1630	0	0	2008761	1714286	2571428
4	1220743	2	17	70	1120	1129	0	3231134	2571429	3428571
5	259856	1	17	65	1777	0	0	3493239	3428572	4285714
6	967731	2	17	90	1984	1355	0	4462747	4285715	5142857
7	1518085	3	17	55	1809	1703	1574	5984171	5142858	6000000
8	827056	2	17	80	1834	1279	0	6816313	6000001	6857143
9	191103	1	17	100	1198	0	0	7010529	6857144	7714286
10	922967	2	17	100	1451	1395	0	7934694	7714287	8571429
11	1017505	3	17	95	1441	1659	1646	8955045	8571430	9428572
12	926635	3	17	65	1736	1500	1004	9886426	9428573	10285715
13	1110509	2	17	100	1224	1849	0	11001175	10285716	11142858
14	305208	2	17	90	1726	1181	0	11309456	11142859	12000001

Total number of pulses in waveform = 28

Type 5 Radar Waveform_10

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	156214	3	5	100	1613	1774	1595	156214	0	999999
2	1764869	2	5	70	1995	1449	0	1926065	1000000	1999999
3	806346	2	5	90	1628	1176	0	2735855	2000000	2999999
4	1042645	2	5	95	1149	1531	0	3781304	3000000	3999999
5	536211	2	5	100	1139	1769	0	4320195	4000000	4999999
6	747852	2	5	65	1881	1345	0	5070955	5000000	5999999
7	1789592	1	5	75	1543	0	0	6863773	6000000	6999999
8	141314	3	5	95	1582	1669	1132	7006630	7000000	7999999
9	1376401	1	5	90	1925	0	0	8387414	8000000	8999999
10	954864	1	5	55	1108	0	0	9344203	9000000	9999999
11	825795	1	5	95	1807	0	0	10171106	10000000	10999999
12	1018425	2	5	95	1060	1670	0	11191338	11000000	11999999

Total number of pulses in waveform = 22

**Type 5 Radar Waveform_11**

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	132391	3	19	65	1176	1434	1372	132391	0	1199999
2	1278102	1	19	60	1991	0	0	1414475	1200000	2399999
3	1357414	2	19	60	1543	1353	0	2773880	2400000	3599999
4	1411872	3	19	55	1083	1361	1273	4188648	3600000	4799999
5	1513352	2	19	50	1908	1471	0	5705717	4800000	5999999
6	1450637	3	19	70	1824	1063	1337	7159733	6000000	7199999
7	1094342	2	19	70	1994	1269	0	8258299	7200000	8399999
8	222841	3	19	70	1961	1633	1874	8484403	8400000	9599999
9	1217415	2	19	65	1462	1856	0	9707286	9600000	10799999
10	1694234	2	19	95	1320	1228	0	11404838	10800000	11999999

Total number of pulses in waveform = 23

Type 5 Radar Waveform_12

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	140911	1	8	60	1600	0	0	140911	0	1333332
2	2480770	1	8	100	1009	0	0	2623281	1333333	2666665
3	1016702	2	8	65	1039	1466	0	3640992	2666666	3999998
4	579815	3	8	60	1659	1738	1897	4223312	3999999	5333331
5	1520670	1	8	85	1478	0	0	5749276	5333332	6666664
6	1538187	3	8	55	1727	1604	1841	7288941	6666665	7999997
7	814250	3	8	75	1627	1875	1926	8108363	7999998	9333330
8	2362978	2	8	75	1296	1393	0	10476769	9333331	10666663
9	320482	2	8	60	1219	1364	0	10799940	10666664	11999996

Total number of pulses in waveform = 18

Type 5 Radar Waveform_13

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	159961	3	10	55	1239	1816	1585	159961	0	749999
2	819569	1	10	95	1547	0	0	984170	750000	1499999
3	521252	1	10	80	1878	0	0	1506969	1500000	2249999
4	818112	2	10	75	1636	1131	0	2326959	2250000	2999999
5	1035207	3	10	50	1683	1525	1653	3364983	3000000	3749999
6	811783	3	10	70	1760	1264	1081	4181627	3750000	4499999
7	637703	2	10	50	1602	1912	0	4823435	4500000	5249999
8	996438	1	10	65	1068	0	0	5823387	5250000	5999999
9	350858	3	10	70	1824	1091	1669	6175313	6000000	6749999
10	773738	1	10	60	1491	0	0	6953635	6750000	7499999
11	1189558	3	10	75	1177	1658	1839	8144684	7500000	8249999
12	788474	3	10	65	1487	1923	1776	8937832	8250000	8999999
13	621939	3	10	65	1078	1291	1802	9564957	9000000	9749999
14	891267	2	10	60	1616	1095	0	10460395	9750000	10499999
15	440381	1	10	65	1543	0	0	10903487	10500000	11249999
16	693478	3	10	100	1127	1816	1334	11598508	11250000	11999999

Total number of pulses in waveform = 35



Type 5 Radar Waveform_14

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	305293	2	14	100	1309	1254	0	305293	0	599999
2	563746	1	14	80	1011	0	0	871602	600000	1199999
3	758343	3	14	50	1442	1557	1805	1630956	1200000	1799999
4	492012	3	14	70	1392	1342	1862	2029266	1800000	2399999
5	812805	1	14	50	1077	0	0	2525874	2400000	2999999
6	792550	1	14	55	1907	0	0	3339756	3000000	3599999
7	447628	2	14	50	1655	1473	0	4134213	3600000	4199999
8	510310	2	14	70	1075	1447	0	4584969	4200000	4799999
9	419904	1	14	50	1851	0	0	5097801	4800000	5399999
10	895213	3	14	70	1885	1819	1197	5519556	5400000	5999999
11	233485	3	14	100	1655	1168	1225	6419670	6000000	6599999
12	1051664	1	14	70	1937	0	0	6557203	6600000	7199999
13	431456	2	14	70	1304	1214	0	7710804	7200000	7799999
14	839843	1	14	50	1892	0	0	8144778	7800000	8399999
15	530615	3	14	60	1139	1574	1746	8986513	8400000	8999999
16	574572	2	14	65	1926	1968	0	9521587	9000000	9599999
17	131399	3	14	85	1140	1175	1066	10100053	9600000	10199999
18	732813	3	14	95	1939	1097	1658	10234773	10200000	10799999
19	562970	1	14	70	1131	0	0	10972280	10800000	11399999
20	562970	2	14	50	1600	1302	0	11536381	11400000	11999999

Total number of pulses in waveform = 40

Type 5 Radar Waveform_15

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	63482	2	18	100	1901	1811	0	63482	0	631578
2	858580	3	18	55	1236	1083	1319	925774	631579	1263157
3	360059	3	18	95	1757	1733	1301	1289471	1263158	1894736
4	705056	3	18	85	1681	1011	1122	1999318	1894737	2526315
5	994125	3	18	70	1291	1574	1317	2997267	2526316	3157894
6	489395	1	18	75	1006	0	0	3490834	3157895	3789473
7	920501	2	18	55	1099	1875	0	4412341	3789474	4421052
8	190476	3	18	70	1451	1613	1773	4605791	4421053	5052631
9	633589	3	18	95	1945	1377	1551	5244217	5052632	5684210
10	950954	1	18	65	1880	0	0	6200044	5684211	6315789
11	512814	2	18	90	1851	1963	0	6714738	6315790	6947368
12	520281	1	18	85	1726	0	0	7238833	6947369	7578947
13	504632	2	18	100	1135	1650	0	7745191	7578948	8210526
14	858123	2	18	50	1825	1450	0	8606099	8210527	8842105
15	628184	3	18	70	1496	1558	1319	9237558	8842106	9473684
16	742171	2	18	75	1677	1089	0	9984102	9473685	10105263
17	482716	3	18	50	1377	1412	1452	10469584	10105264	10736842
18	485182	2	18	80	1513	1902	0	10959007	10736843	11368421
19	926126	2	18	55	1065	1223	0	11888548	11368422	12000000

Total number of pulses in waveform = 43

Type 5 Radar Waveform_16

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	492496	2	6	65	1522	1417	0	492496	0	799999
2	1013452	1	6	75	1360	0	0	1508887	800000	1599999
3	165660	1	6	65	1599	0	0	1675907	1600000	2399999
4	793332	1	6	70	1053	0	0	2470838	2400000	3199999
5	732386	3	6	95	1299	1248	1575	3204277	3200000	3999999
6	1213852	3	6	75	1686	1395	1027	4422251	4000000	4799999
7	452310	3	6	85	1979	1480	1942	4878669	4800000	5599999
8	1464168	3	6	85	1312	1171	1108	6348238	5600000	6399999
9	629700	3	6	55	1701	1054	1871	6981529	6400000	7199999
10	224469	2	6	95	1280	1631	0	7210624	7200000	7999999
11	1426572	1	6	95	1256	0	0	8640107	8000000	8799999
12	352556	1	6	50	1363	0	0	8993919	8800000	9599999
13	1137382	3	6	95	1245	1346	1037	10132664	9600000	10399999
14	969564	2	6	100	1710	1518	0	11105856	10400000	11199999
15	270077	3	6	95	1890	1963	1967	11379161	11200000	11999999

Total number of pulses in waveform = 32

**Type 5 Radar Waveform_17**

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	814543	2	9	60	1073	1121	0	814543	0	1199999
2	463405	2	9	60	1293	1040	0	1280142	1200000	2399999
3	2305350	2	9	70	1010	1788	0	3587825	2400000	3599999
4	216434	2	9	50	1247	1049	0	3807057	3600000	4799999
5	1453095	2	9	55	1679	1845	0	5262448	4800000	5999999
6	1438636	1	9	50	1125	0	0	6704608	6000000	7199999
7	584111	3	9	70	1147	1448	1868	7289844	7200000	8399999
8	2210371	3	9	80	1858	1052	1164	9504678	8400000	9599999
9	447155	3	9	95	1042	1439	1741	9955907	9600000	10799999
10	1048967	2	9	90	1699	1852	0	11009096	10800000	11999999

Total number of pulses in waveform = 22

Type 5 Radar Waveform_18

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	169241	2	12	75	1712	1197	0	169241	0	599999
2	739822	3	12	90	1367	1075	1498	911972	600000	1199999
3	700046	3	12	70	1193	1960	1570	1615958	1200000	1799999
4	299489	2	12	85	1318	1678	0	1920170	1800000	2399999
5	500059	1	12	75	1412	0	0	2423225	2400000	2999999
6	681963	2	12	55	1395	1826	0	3106600	3000000	3599999
7	905467	2	12	95	1672	1471	0	4015288	3600000	4199999
8	602254	3	12	80	1611	1806	1111	4620685	4200000	4799999
9	481075	3	12	75	1526	1304	1449	5106288	4800000	5399999
10	646113	1	12	90	1240	0	0	5756680	5400000	5999999
11	830356	1	12	85	1517	0	0	6588276	6000000	6599999
12	486983	1	12	65	1665	0	0	7076776	6600000	7199999
13	342223	1	12	80	1556	0	0	7420664	7200000	7799999
14	862865	1	12	100	1995	0	0	8285085	7800000	8399999
15	255866	1	12	90	1639	0	0	8542946	8400000	8999999
16	553049	3	12	75	1844	1051	1291	9097634	9000000	9599999
17	655827	1	12	100	1046	0	0	9757647	9600000	10199999
18	614327	3	12	70	1968	1688	1108	10373020	10200000	10799999
19	792360	3	12	65	1735	1760	1330	11170144	10800000	11399999
20	720640	3	12	50	1444	1880	1042	11895609	11400000	11999999

Total number of pulses in waveform = 40

Type 5 Radar Waveform_19

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	222456	1	17	80	1410	0	0	222456	0	923076
2	1440602	3	17	100	1926	1392	1507	1664468	923077	1846153
3	904223	2	17	100	1461	1302	0	2573516	1846154	2769230
4	561817	1	17	95	1075	0	0	3138096	2769231	3692307
5	1378654	1	17	90	1379	0	0	4517825	3692308	4615384
6	440088	1	17	80	1739	0	0	4959292	4615385	5538461
7	662272	3	17	65	1316	1316	1198	5623303	5538462	6461538
8	1735215	1	17	85	1396	0	0	7362348	6461539	7384615
9	618011	1	17	85	1981	0	0	7981755	7384616	8307692
10	1106185	3	17	70	1765	1436	1632	9089921	8307693	9230769
11	1045964	2	17	75	1816	1519	0	10140718	9230770	10153846
12	263116	1	17	75	1691	0	0	10407169	10153847	11076923
13	1057012	2	17	95	1502	1052	0	11465872	11076924	12000000

Total number of pulses in waveform = 22

**Type 5 Radar Waveform_20**

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	149133	2	5	80	1119	1336	0	149133	0	1499999
2	1633355	3	5	75	1291	1597	1865	1784943	1500000	2999999
3	2494177	3	5	100	1971	1358	1247	4283873	3000000	4499999
4	1542815	3	5	65	1261	1251	1579	5831264	4500000	5999999
5	291204	2	5	55	1230	1809	0	6126559	6000000	7499999
6	1911574	1	5	85	1419	0	0	8041172	7500000	8999999
7	1317596	2	5	55	1640	1679	0	9360187	9000000	10499999
8	1758108	1	5	65	1008	0	0	11121614	10500000	11999999

Total number of pulses in waveform = 17

Type 5 Radar Waveform_21

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	54539	1	19	80	1269	0	0	54539	0	1333332
2	1959483	2	19	65	1404	1549	0	2015291	1333333	2666665
3	1890168	2	19	75	1410	1615	0	3908412	2666666	3999998
4	1286692	3	19	70	1334	1652	1268	5198129	3999999	5333331
5	1062544	3	19	100	1214	1443	1167	6264927	5333332	6666664
6	600893	1	19	70	1147	0	0	6869644	6666665	7999997
7	1262192	1	19	80	1203	0	0	8132983	7999998	9333330
8	2522227	1	19	65	1139	0	0	10656413	9333331	10666663
9	487734	2	19	80	1797	1767	0	11145286	10666664	11999996

Total number of pulses in waveform = 16

Type 5 Radar Waveform_22

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	489920	1	8	90	1846	0	0	489920	0	705881
2	632787	1	8	80	1393	0	0	1124553	705882	1411763
3	982174	1	8	55	1468	0	0	2108120	1411764	2117645
4	301935	3	8	80	1648	1982	1281	2411523	2117646	2823527
5	714644	1	8	80	1546	0	0	3131078	2823528	3529409
6	581015	1	8	90	1533	0	0	3713639	3529410	4235291
7	1197251	2	8	70	1913	1795	0	4912423	4235292	4941173
8	113168	1	8	60	1593	0	0	5029299	4941174	5647055
9	1024378	3	8	100	1928	1604	1779	6055270	5647056	6352937
10	493340	2	8	85	1514	1109	0	6553921	6352938	7058819
11	907959	2	8	90	1983	1003	0	7464503	7058820	7764701
12	328289	1	8	50	1542	0	0	7795778	7764702	8470583
13	1218317	1	8	50	1904	0	0	9015637	8470584	9176465
14	228072	2	8	95	1098	1744	0	9245613	9176466	9882347
15	1084716	2	8	55	1278	1195	0	10333171	9882348	10588229
16	890575	2	8	100	1188	1933	0	11226219	10588230	11294111
17	223156	2	8	60	1400	1040	0	11452496	11294112	11999993

Total number of pulses in waveform = 28

**Type 5 Radar Waveform_23**

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	891659	2	10	75	1166	1343	0	891659	0	1090908
2	1088299	3	10	80	1749	1193	1855	1982467	1090909	2181817
3	476588	1	10	75	1733	0	0	2463852	2181818	3272726
4	1042390	2	10	100	1907	1688	0	3507975	3272727	4363635
5	1332650	3	10	85	1899	1070	1373	4844220	4363636	5454544
6	657658	3	10	50	1944	1032	1507	5506220	5454545	6545453
7	1280313	3	10	50	1751	1056	1661	6791016	6545454	7636362
8	1238616	2	10	100	1965	1754	0	8034100	7636363	8727271
9	1510913	1	10	70	1212	0	0	9548732	8727272	9818180
10	483783	1	10	55	1505	0	0	10033727	9818181	10909089
11	1054598	1	10	95	1264	0	0	11089830	10909090	11999998

Total number of pulses in waveform = 22

Type 5 Radar Waveform_24

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	405996	3	14	50	1204	1212	1019	405996	0	749999
2	506385	3	14	85	1086	1541	1423	915816	750000	1499999
3	865562	3	14	55	1170	1974	1633	1785428	1500000	2249999
4	981649	1	14	55	1623	0	0	2771854	2250000	2999999
5	301057	1	14	95	1799	0	0	3074534	3000000	3749999
6	1259165	3	14	65	1776	1720	1645	4335498	3750000	4499999
7	478033	1	14	75	1716	0	0	4818672	4500000	5249999
8	1089727	2	14	85	1936	1065	0	5910115	5250000	5999999
9	374576	3	14	85	1469	1562	1968	6287692	6000000	6749999
10	823374	1	14	95	1237	0	0	7116065	6750000	7499999
11	420776	2	14	95	1779	1542	0	7538078	7500000	8249999
12	1226256	3	14	65	1585	1107	1286	8767655	8250000	8999999
13	495670	1	14	50	1408	0	0	9267303	9000000	9749999
14	526793	3	14	75	1157	1930	1950	9795504	9750000	10499999
15	1405189	2	14	80	1693	1221	0	11205730	10500000	11249999
16	349817	3	14	70	1202	1425	1513	11558461	11250000	11999999

Total number of pulses in waveform = 35

Type 5 Radar Waveform_25

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	823580	3	18	55	1846	1199	1452	823580	0	1199999
2	993093	1	18	85	1459	0	0	1821170	1200000	2399999
3	1338797	3	18	75	1821	1015	1528	3161426	2400000	3599999
4	1592391	2	18	60	1249	1769	0	4758181	3600000	4799999
5	1145418	3	18	70	1361	1878	1175	5906617	4800000	5999999
6	1271959	1	18	90	1060	0	0	7182990	6000000	7199999
7	596365	3	18	100	1158	1925	1470	7780415	7200000	8399999
8	1049042	3	18	60	1801	1601	1195	8834010	8400000	9599999
9	939121	1	18	80	1112	0	0	9777728	9600000	10799999
10	1925723	3	18	55	1695	1632	1708	11704563	10800000	11999999

Total number of pulses in waveform = 23

**Type 5 Radar Waveform_26**

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	428478	2	6	90	1470	1189	0	428478	0	1333332
2	971044	1	6	50	1907	0	0	1402181	1333333	2666665
3	1490867	1	6	55	1688	0	0	2894955	2666666	3999998
4	2173276	1	6	50	1216	0	0	5069919	3999999	5333331
5	468853	3	6	65	1013	1913	1532	5539988	5333332	6666664
6	1690951	2	6	100	1676	1989	0	7235397	6666665	7999997
7	1889797	1	6	100	1840	0	0	9128859	7999998	9333330
8	592771	3	6	90	1233	1112	1482	9723470	9333331	10666663
9	2264427	1	6	55	1392	0	0	11991724	10666664	11999996

Total number of pulses in waveform = 15

Type 5 Radar Waveform_27

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	451530	2	9	70	1615	1177	0	451530	0	857142
2	570067	3	9	90	1280	1913	1506	1024389	857143	1714285
3	723665	3	9	65	1868	1930	1932	1752753	1714286	2571428
4	1247945	1	9	95	1809	0	0	3006428	2571429	3428571
5	775182	1	9	75	1098	0	0	3783419	3428572	4285714
6	613518	3	9	60	1616	1480	1582	4398035	4285715	5142857
7	1035386	1	9	90	1646	0	0	5438099	5142858	6000000
8	1329653	3	9	60	1145	1404	1026	6769398	6000001	6857143
9	169991	1	9	55	1947	0	0	6942964	6857144	7714286
10	1149874	2	9	60	1049	1269	0	8094785	7714287	8571429
11	1165912	2	9	85	1885	1518	0	9263015	8571430	9428572
12	679157	3	9	60	1594	1218	1604	9945575	9428573	10285715
13	626103	1	9	85	1635	0	0	10576094	10285716	11142858
14	1164332	1	9	100	1607	0	0	11742061	11142859	12000001

Total number of pulses in waveform = 27

Type 5 Radar Waveform_28

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	458243	1	12	55	1587	0	0	458243	0	599999
2	160367	2	12	50	1818	1747	0	620197	600000	1199999
3	766865	2	12	65	1244	1622	0	1390627	1200000	1799999
4	645540	3	12	50	1277	1524	1993	2039033	1800000	2399999
5	481071	2	12	80	1267	1722	0	2524898	2400000	2999999
6	815688	2	12	70	1971	1685	0	3343475	3000000	3599999
7	602847	3	12	60	1617	1873	1907	3949878	3600000	4199999
8	736127	2	12	80	1922	1523	0	4691402	4200000	4799999
9	571277	2	12	90	1587	1762	0	5266124	4800000	5399999
10	407975	2	12	80	1175	1661	0	5877448	5400000	5999999
11	883438	1	12	75	1954	0	0	6569722	6000000	6599999
12	372919	1	12	60	1490	0	0	6938595	6600000	7199999
13	744432	1	12	95	1911	0	0	7684517	7200000	7799999
14	468713	3	12	90	1092	1571	1942	8155141	7800000	8399999
15	317100	3	12	65	1803	1207	1282	8476846	8400000	8999999
16	694226	2	12	65	1117	1637	0	9175364	9000000	9599999
17	513828	2	12	100	1902	1529	0	9691846	9600000	10199999
18	958906	3	12	65	1990	1157	1471	10654183	10200000	10799999
19	224516	1	12	65	1466	0	0	10883317	10800000	11399999
20	795948	2	12	75	1035	1714	0	11680731	11400000	11999999

Total number of pulses in waveform = 40



Type 5 Radar Waveform_29

Num of Bursts = 19

Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	243172	1	17	85	1656	0	0	243172	0	631578
2	1008329	1	17	90	1228	0	0	1253157	631579	1263157
3	276236	1	17	55	1623	0	0	1530621	1263158	1894736
4	431143	3	17	65	1496	1633	1930	1963387	1894737	2526315
5	806958	3	17	85	1402	1129	1355	2775404	2526316	3157894
6	734692	1	17	85	1382	0	0	3513982	3157895	3789473
7	534494	3	17	60	1650	1997	1676	4049858	3789474	4421052
8	910841	1	17	55	1642	0	0	4966022	4421053	5052631
9	491461	2	17	50	1639	1143	0	5459125	5052632	5684210
10	788660	1	17	50	1345	0	0	6250567	5684211	6315789
11	114679	1	17	75	1273	0	0	6366591	6315790	6947368
12	837246	2	17	65	1847	1704	0	7205110	6947369	7578947
13	439775	2	17	65	1822	1020	0	7648436	7578948	8210526
14	1150922	1	17	100	1969	0	0	8802200	8210527	8842105
15	419292	2	17	90	1679	1246	0	9223461	8842106	9473684
16	251890	2	17	70	1881	1690	0	9478276	9473685	10105263
17	1010326	2	17	90	1244	1355	0	10492173	10105264	10736842
18	478694	1	17	85	1202	0	0	10973466	10736843	11368421
19	606381	3	17	95	1827	1687	1195	11681049	11368422	12000000

Total number of pulses in waveform = 33

Type 5 Radar Waveform_30

Num of Bursts = 15

Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	734972	2	5	95	1202	1471	0	734972	0	799999
2	160803	2	5	50	1640	1427	0	898448	800000	1599999
3	971105	1	5	60	1314	0	0	1872620	1600000	2399999
4	1034783	2	5	65	1681	1414	0	2908717	2400000	3199999
5	1033627	2	5	55	1408	1170	0	3945439	3200000	3999999
6	655063	3	5	80	1013	1597	1302	4603080	4000000	4799999
7	424169	3	5	60	1042	1125	1681	5031161	4800000	5599999
8	1124228	2	5	75	1661	1205	0	6159237	5600000	6399999
9	667610	1	5	100	1617	0	0	6829713	6400000	7199999
10	716270	2	5	50	1974	1375	0	7547600	7200000	7999999
11	955737	2	5	55	1959	1676	0	8506686	8000000	8799999
12	988917	1	5	90	1928	0	0	9499238	8800000	9599999
13	190781	2	5	90	1212	1100	0	9691947	9600000	10399999
14	1488720	2	5	50	1455	1155	0	11182979	10400000	11199999
15	439709	2	5	75	1173	1048	0	11625298	11200000	11999999

Total number of pulses in waveform = 29

Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5290	1	16	5290	1
2	5290	1	17	5290	1
3	5290	1	18	5290	1
4	5290	1	19	5290	1
5	5290	1	20	5290	1
6	5290	1	21	5290	1
7	5290	1	22	5290	1
8	5290	1	23	5290	1
9	5290	1	24	5290	1
10	5290	1	25	5290	1
11	5290	1	26	5290	1
12	5290	1	27	5290	1
13	5290	1	28	5290	1
14	5290	1	29	5290	1
15	5290	1	30	5290	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5310	9	7	5340	21
8	5352	24	12	5354	36
14	5354	42	20	5347	60
25	5331	75	30	5331	90
27	5301	81	31	5310	93
44	5347	132	41	5324	123
61	5335	183	44	5334	132
63	5311	189	46	5298	138
65	5338	195	49	5351	147
79	5320	237	51	5342	153
81	5303	243	57	5317	171
83	5299	249	58	5348	174
86	5312	258	59	5335	177
97	5330	291	73	5333	219
98	5300	294	84	5337	252
--	--	-	85	5322	255
--	--	-	86	5314	258
--	--	-	95	5357	285

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5334	3	15	5304	45
16	5303	48	25	5356	75
35	5356	105	26	5313	78
44	5318	132	36	5322	108
45	5305	135	51	5312	153
51	5324	153	54	5325	162
57	5315	171	62	5309	186
64	5323	192	63	5306	189
77	5314	231	70	5344	210
90	5311	270	71	5329	213
91	5352	273	73	5315	219
--	--	-	80	5350	240
--	--	-	86	5300	258
--	--	-	89	5355	267

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5305	0	12	5315	36
25	5355	75	54	5337	162
42	5314	126	55	5340	165
44	5325	132	58	5346	174
60	5339	180	70	5319	210
70	5303	210	72	5329	216
81	5340	243	88	5305	264
87	5335	261	97	5342	291
97	5330	291	99	5314	297

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5310	21	0	5320	0
16	5317	48	15	5334	45
21	5353	63	18	5312	54
28	5356	84	19	5323	57
38	5301	114	39	5316	117
42	5341	126	56	5303	168
44	5298	132	63	5309	189
49	5328	147	67	5319	201
51	5340	153	75	5342	225
59	5335	177	79	5298	237
65	5313	195	88	5301	264
67	5332	201	89	5307	267
70	5337	210	93	5341	279
79	5319	237	96	5322	288
81	5316	243	99	5315	297
85	5304	255	--	--	--
93	5320	279	--	--	--

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5358	12	0	5353	0
5	5325	15	16	5301	48
11	5323	33	30	5329	90
15	5300	45	34	5310	102
20	5357	60	35	5317	105
21	5349	63	47	5312	141
34	5309	102	64	5313	192
36	5346	108	65	5307	195
38	5316	114	75	5350	225
42	5311	126	82	5302	246
47	5343	141	94	5306	282
48	5354	144	95	5324	285
62	5319	186	96	5346	288
64	5305	192	--	--	--
66	5304	198	--	--	--
68	5307	204	--	--	--
71	5353	213	--	--	--
77	5350	231	--	--	--
78	5308	234	--	--	--
83	5330	249	--	--	--
87	5332	261	--	--	--
93	5345	279	--	--	--
99	5347	297	--	--	--

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5300	21	3	5342	9
20	5298	60	16	5349	48
24	5336	72	24	5303	72
37	5306	111	27	5310	81
56	5318	168	37	5320	111
63	5320	189	40	5332	120
70	5350	210	56	5341	168
82	5321	246	69	5347	207
85	5304	255	70	5328	210
88	5334	264	78	5337	234
96	5338	288	82	5312	246
--	--	--	85	5350	255
--	--	--	86	5352	258
--	--	--	91	5319	273
--	--	--	95	5323	285

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5327	30	2	5344	6
38	5307	114	26	5349	78
39	5343	117	27	5302	81
40	5330	120	28	5321	84
46	5305	138	29	5309	87
70	5306	210	30	5340	90
71	5299	213	32	5320	96
81	5331	243	52	5329	156
86	5312	258	66	5351	198
90	5311	270	77	5353	231
95	5304	285	81	5335	243

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
8	5353	24	2	5356	6
10	5312	30	5	5335	15
22	5331	66	7	5346	21
28	5298	84	17	5309	51
37	5311	111	36	5354	108
62	5329	186	56	5347	168
65	5343	195	58	5313	174
68	5351	204	59	5301	177
73	5304	219	62	5337	186
79	5341	237	68	5358	204
99	5309	297	75	5345	225
--	--	--	82	5340	246
--	--	--	87	5304	261

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5347	9	28	5299	84
10	5340	30	31	5304	93
12	5319	36	41	5326	123
15	5323	45	45	5346	135
18	5324	54	46	5354	138
28	5356	84	53	5307	159
30	5344	90	57	5331	171
31	5341	93	58	5332	174
40	5343	120	64	5302	192
46	5317	138	69	5310	207
91	5342	273	78	5340	234
97	5354	291	79	5318	237
--	--	--	81	5357	243
--	--	--	85	5312	255
--	--	--	87	5316	261

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5328	9	7	5334	21
23	5337	69	8	5308	24
27	5312	81	25	5351	75
30	5344	90	28	5353	84
35	5332	105	37	5341	111
47	5335	141	52	5322	156
49	5298	147	65	5337	195
53	5353	159	78	5321	234
56	5349	168	86	5333	258
57	5327	171	87	5324	261
64	5313	192	88	5345	264
74	5340	222	94	5303	282
88	5304	264	--	--	--
96	5300	288	--	--	--

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
13	5313	39	2	5347	6
21	5352	63	10	5327	30
22	5315	66	13	5337	39
39	5320	117	27	5317	81
41	5298	123	35	5303	105
43	5357	129	37	5352	111
45	5349	135	51	5299	153
54	5340	162	71	5325	213
70	5324	210	73	5302	219
76	5334	228	77	5314	231
81	5317	243	94	5350	282
89	5323	267	95	5348	285
94	5335	282	--	--	--
96	5314	288	--	--	--
98	5327	294	--	--	--
99	5342	297	--	--	--

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5313	15	9	5338	27
10	5326	30	24	5304	72
22	5343	66	25	5302	75
27	5310	81	30	5328	90
36	5346	108	50	5343	150
42	5340	126	54	5334	162
43	5356	129	65	5307	195
46	5321	138	69	5339	207
47	5303	141	74	5329	222
49	5345	147	--	--	--
51	5324	153	--	--	--
63	5298	189	--	--	--
65	5308	195	--	--	--
71	5301	213	--	--	--
79	5332	237	--	--	--
83	5319	249	--	--	--
91	5328	273	--	--	--
92	5299	276	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
20	5313	60	29	5315	87
29	5338	87	50	5335	150
52	5329	156	51	5355	153
53	5335	159	61	5338	183
58	5308	174	71	5328	213
84	5347	252	76	5318	228
--	--	--	87	5319	261

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
13	5321	39	0	5317	0
42	5310	126	8	5329	24
46	5298	138	29	5305	87
67	5332	201	31	5332	93
84	5354	252	55	5352	165
91	5307	273	85	5321	255
93	5301	279	98	5302	294
--	--	--	99	5318	297

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5345	3	2	5321	6
2	5346	6	25	5357	75
19	5326	57	30	5312	90
21	5354	63	36	5339	108
41	5338	123	43	5302	129
47	5312	141	44	5358	132
53	5343	159	53	5353	159
56	5349	168	55	5303	165
64	5315	192	70	5313	210
78	5299	234	88	5348	264
98	5325	294	--	--	--

Radio C Radar Statistical Performance for 802.11ac-VHT160

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5252	1	758	70	1
2	5252	1	938	57	1
3	5252	1	818	65	1
4	5252	1	598	89	1
5	5252	1	738	72	1
6	5252	1	838	63	1
7	5252	1	898	59	1
8	5252	1	578	92	1
9	5252	1	658	81	1
10	5252	1	538	99	1
11	5252	1	638	83	1
12	5252	1	3066	18	1
13	5252	1	678	78	1
14	5252	1	798	67	1
15	5252	1	878	61	1
16	5252	1	2002	27	1
17	5252	1	2723	20	1
18	5252	1	3058	18	1
19	5252	1	930	57	1
20	5252	1	802	66	1
21	5252	1	1993	27	1
22	5252	1	534	99	1
23	5252	1	2781	19	1
24	5252	1	2557	21	1
25	5252	1	2947	18	1
26	5252	1	2626	21	1
27	5252	1	2793	19	1
28	5252	1	2761	20	1
29	5252	1	1223	44	1
30	5252	1	1958	27	1
Detection Percentage (%)					100%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5270	2.5	151	24	1
2	5270	4.3	164	25	1
3	5270	3.1	199	27	1
4	5270	3.3	209	23	1
5	5270	4.7	161	25	1
6	5270	2.7	157	23	1
7	5270	3.3	150	26	1
8	5270	3.3	172	25	1
9	5270	2.6	224	29	1
10	5270	4.2	209	28	1
11	5270	4.2	162	25	1
12	5270	3.6	211	28	1
13	5270	1.8	203	23	1
14	5270	2.8	177	29	1
15	5270	3.1	227	29	1
16	5270	3.8	194	24	1
17	5270	3.7	209	23	1
18	5270	4.4	230	24	1
19	5270	4.9	177	25	1
20	5270	3.3	205	24	1
21	5270	1.1	222	27	1
22	5270	2.3	228	27	1
23	5270	1.7	170	27	1
24	5270	4.1	164	24	1
25	5270	3.1	151	24	1
26	5270	1.4	217	23	1
27	5270	1.2	163	29	1
28	5270	4.3	166	26	1
29	5270	1.0	222	25	1
30	5270	3.6	175	24	1
Detection Percentage (%)					100%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5290	7.3	387	18	1
2	5290	7.0	348	16	1
3	5290	8.7	406	18	1
4	5290	6.4	256	17	1
5	5290	7.0	376	18	1
6	5290	6.8	318	16	1
7	5290	6.6	489	16	1
8	5290	9.9	282	18	1
9	5290	6.5	351	16	1
10	5290	8.5	465	17	1
11	5290	6.9	389	18	1
12	5290	8.4	443	16	1
13	5290	6.2	394	16	1
14	5290	8.2	250	17	1
15	5290	6.5	435	17	1
16	5290	9.1	389	17	1
17	5290	9.5	304	18	1
18	5290	7.6	350	16	1
19	5290	8.3	472	16	1
20	5290	8.1	366	16	1
21	5290	6.9	261	16	1
22	5290	6.7	440	18	1
23	5290	9.7	454	17	1
24	5290	8.3	412	16	1
25	5290	6.7	264	17	1
26	5290	8.6	270	17	1
27	5290	6.7	407	18	1
28	5290	7.3	423	16	1
29	5290	9.2	452	17	1
30	5290	8.5	315	18	1
Detection Percentage (%)					100%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5309	15.6	440	15	1
2	5309	17.9	284	13	1
3	5309	18.9	299	13	1
4	5309	17.2	440	12	1
5	5309	13.7	272	13	1
6	5309	15.2	415	14	1
7	5309	13.7	476	16	1
8	5309	11.6	412	16	1
9	5309	11.4	395	14	1
10	5309	16.1	380	13	1
11	5309	18.6	287	13	1
12	5309	13.4	420	16	1
13	5309	18.7	442	16	1
14	5309	13.0	395	15	1
15	5309	16.1	449	15	1
16	5309	14.1	325	12	1
17	5309	19.2	434	13	1
18	5309	11.2	258	14	1
19	5309	11.4	449	12	1
20	5309	18.0	301	15	1
21	5309	15.5	404	14	1
22	5309	19.3	492	14	1
23	5309	15.2	491	12	1
24	5309	16.4	319	14	1
25	5309	19.3	480	15	1
26	5309	15.7	333	15	1
27	5309	12.0	264	13	1
28	5309	17.5	497	16	1
29	5309	11.9	304	16	1
30	5309	17.3	436	14	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5259.6	1	16	5290.0	1
2	5255.2	1	17	5290.0	1
3	5256.0	1	18	5290.0	1
4	5257.6	1	19	5290.0	1
5	5259.2	1	20	5290.0	1
6	5254.4	1	21	5320.4	1
7	5255.6	1	22	5324.8	1
8	5256.8	1	23	5324.0	1
9	5258.8	1	24	5322.4	1
10	5254.0	1	25	5320.8	1
11	5290.0	1	26	5325.6	1
12	5290.0	1	27	5324.4	1
13	5290.0	1	28	5323.2	1
14	5290.0	1	29	5321.2	1
15	5290.0	1	30	5326.0	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1

Num of Bursts = 19 Burst Interval (us)= 631579										
Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	470194	2	19	80	1930	1316	0	470194	0	631578
2	278258	2	19	85	1618	1438	0	751698	631579	1263157
3	1104390	3	19	75	1179	1671	1117	1859144	1263158	1894736
4	554934	1	19	90	1266	0	0	2418045	1894737	2526315
5	247139	1	19	85	1553	0	0	2666450	2526316	3157894
6	1077699	1	19	65	1808	0	0	3745702	3157895	3789473
7	380979	3	19	80	1551	1555	1838	4128489	3789474	4421052
8	673630	2	19	50	1988	1491	0	4807063	4421053	5052631
9	639376	2	19	90	1623	1013	0	5449918	5052632	5684210
10	309020	1	19	50	1721	0	0	5761574	5684211	6315789
11	1168141	3	19	65	1325	1412	1229	6931436	6315790	6947368
12	116889	3	19	75	1166	1546	1175	7052291	6947369	7578947
13	989953	3	19	65	1042	1854	1002	8046131	7578948	8210526
14	336604	1	19	65	1920	0	0	8386633	8210527	8842105
15	513640	2	19	85	1903	1840	0	8902193	8842106	9473684
16	1171658	1	19	65	1073	0	0	10077594	9473685	10105263
17	583769	1	19	50	1484	0	0	10662436	10105264	10736842
18	474269	2	19	60	1377	1036	0	11138189	10736843	11368421
19	637881	1	19	95	1339	0	0	11778483	11368422	12000000
Total number of pulses in waveform = 35 *****										



Type 5 Radar Waveform_2

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	135196	2	8	100	1233	1507	0	135196	0	1199999
2	1627684	3	8	65	1797	1043	1200	1765620	1200000	2399999
3	1549269	1	8	75	1010	0	0	3318929	2400000	3599999
4	601481	1	8	90	1623	0	0	3921420	3600000	4799999
5	1881601	1	8	75	1759	0	0	5804644	4800000	5999999
6	714973	1	8	55	1629	0	0	6521376	6000000	7199999
7	1271174	3	8	95	1890	1045	1913	7794179	7200000	8399999
8	628312	2	8	55	1324	1969	0	8427339	8400000	9599999
9	1211239	3	8	90	1213	1509	1158	9641871	9600000	10799999
10	1454124	2	8	90	1446	1529	0	11099875	10800000	11999999

Total number of pulses in waveform = 19

Type 5 Radar Waveform_3

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	525313	3	10	70	1719	1782	1972	525313	0	749999
2	597931	1	10	90	1516	0	0	1128717	750000	1499999
3	693379	3	10	65	1635	1152	1252	1823612	1500000	2249999
4	540140	1	10	70	1706	0	0	2367791	2250000	2999999
5	1294422	3	10	55	1279	1687	2000	3663919	3000000	3749999
6	330257	2	10	100	1716	1027	0	3999142	3750000	4499999
7	754757	3	10	80	1953	1196	1065	4756642	4500000	5249999
8	649475	3	10	65	1095	1595	1459	5410331	5250000	5999999
9	1074661	2	10	95	1706	1865	0	6489141	6000000	6749999
10	292880	3	10	50	1183	1511	1352	6785592	6750000	7499999
11	1048236	1	10	55	1231	0	0	7837874	7500000	8249999
12	777388	2	10	70	1536	1417	0	8616493	8250000	8999999
13	470421	3	10	55	1232	1884	1301	9089867	9000000	9749999
14	938522	3	10	60	1265	1311	1001	10032806	9750000	10499999
15	1168863	1	10	80	1457	0	0	11205246	10500000	11249999
16	177271	1	10	60	1577	0	0	11383974	11250000	11999999

Total number of pulses in waveform = 35

Type 5 Radar Waveform_4

Num of Bursts = 19
Burst Interval (us)= 631579

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	214248	1	14	75	1182	0	0	214248	0	631578
2	532126	1	14	85	1377	0	0	747556	631579	1263157
3	933155	3	14	60	1091	1757	1264	1682088	1263158	1894736
4	817677	2	14	90	1396	1402	0	2503877	1894737	2526315
5	317527	3	14	50	1948	1063	1910	2824202	2526316	3157894
6	791598	2	14	100	1881	1869	0	3620721	3157895	3789473
7	580056	1	14	90	1362	0	0	4204527	3789474	4421052
8	362124	1	14	100	1894	0	0	4568013	4421053	5052631
9	839417	3	14	90	1942	1692	1254	5409324	5052632	5684210
10	644598	1	14	75	1916	0	0	6058810	5684211	6315789
11	337569	2	14	50	1917	1876	0	6398295	6315790	6947368
12	693367	2	14	50	1873	1319	0	7095455	6947369	7578947
13	1058074	2	14	55	1460	1887	0	8156721	7578948	8210526
14	100976	1	14	85	1873	0	0	8261044	8210527	8842105
15	1192502	2	14	65	1017	1636	0	9455419	8842106	9473684
16	102767	2	14	80	1545	1463	0	9560839	9473685	10105263
17	837866	2	14	60	1483	1812	0	10401713	10105264	10736842
18	542692	3	14	85	1422	1470	1948	10947700	10736843	11368421
19	982053	2	14	50	1772	1463	0	11934593	11368422	12000000

Total number of pulses in waveform = 36

**Type 5 Radar Waveform_5**

Num of Bursts = 11
Burst Interval (us)= 1090909

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	827818	2	18	95	1615	1410	0	827818	0	1090908
2	920817	2	18	90	1249	1213	0	1751660	1090909	2181817
3	440566	1	18	75	1393	0	0	2194688	2181818	3272726
4	1146077	3	18	90	1682	1612	1886	3342158	3272727	4363635
5	1602767	3	18	75	1647	1443	1777	4950105	4363636	5454544
6	1277241	1	18	90	1395	0	0	6232213	5454545	6545453
7	1345110	1	18	100	1606	0	0	7578718	6545454	7636362
8	239383	3	18	50	1447	1401	1768	7819707	7636363	8727271
9	1010311	3	18	90	1612	1440	1606	8834634	8727272	9818180
10	1674418	3	18	95	1690	1057	1015	10513710	9818181	10909089
11	1422412	1	18	90	1557	0	0	11939884	10909090	11999998

Total number of pulses in waveform = 23

Type 5 Radar Waveform_6

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	656401	1	6	75	1936	0	0	656401	0	923076
2	618945	2	6	95	1863	1383	0	1277282	923077	1846153
3	1298773	3	6	90	1949	1352	1673	2579301	1846154	2769230
4	1030787	1	6	70	1237	0	0	3615062	2769231	3692307
5	908936	3	6	55	1507	1229	1131	4525235	3692308	4615384
6	422102	1	6	50	1361	0	0	4951204	4615385	5538461
7	805374	3	6	65	1266	1898	1030	5757939	5538462	6461538
8	1466013	3	6	100	1173	1905	1890	7228146	6461539	7384615
9	380075	3	6	60	1767	1800	1488	7613189	7384616	8307692
10	773858	3	6	100	1894	1505	1675	8392102	8307693	9230769
11	1288962	1	6	95	1995	0	0	9686138	9230770	10153846
12	1225123	2	6	95	1939	1372	0	10913256	10153847	11076923
13	665600	1	6	80	1775	0	0	11582167	11076924	12000000

Total number of pulses in waveform = 27

Type 5 Radar Waveform_7

Num of Bursts = 10
Burst Interval (us)= 1200000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	276323	3	9	55	1793	1093	1312	276323	0	1199999
2	1507770	3	9	75	1296	1440	1509	1788291	1200000	2399999
3	906998	3	9	75	1110	1268	1276	2699534	2400000	3599999
4	1341900	1	9	80	1144	0	0	4045088	3600000	4799999
5	873071	3	9	80	1460	1999	1496	4919303	4800000	5999999
6	1195391	3	9	85	1168	1762	1863	6119649	6000000	7199999
7	1170176	1	9	75	1029	0	0	7294618	7200000	8399999
8	1180557	3	9	100	1207	1969	1016	8476204	8400000	9599999
9	1235975	3	9	80	1140	1328	1023	9716371	9600000	10799999
10	1953599	2	9	85	1403	1785	0	11673461	10800000	11999999

Total number of pulses in waveform = 25

**Type 5 Radar Waveform_8**

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	1153712	1	12	100	1248	0	0	1153712	0	1499999
2	907725	2	12	75	1202	1145	0	2062685	1500000	2999999
3	948097	1	12	55	1972	0	0	3013129	3000000	4499999
4	2798260	1	12	65	1120	0	0	5813361	4500000	5999999
5	283508	1	12	100	1281	0	0	6097989	6000000	7499999
6	2084342	1	12	80	1566	0	0	8183612	7500000	8999999
7	1737458	1	12	90	1814	0	0	9922636	9000000	10499999
8	961627	1	12	75	1220	0	0	10886077	10500000	11999999

Total number of pulses in waveform = 9

Type 5 Radar Waveform_9

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	822768	2	17	85	1982	1760	0	822768	0	1499999
2	2067300	3	17	70	1010	1881	1441	2893810	1500000	2999999
3	564198	3	17	65	1947	1857	1215	3462340	3000000	4499999
4	1318085	1	17	90	1680	0	0	4785444	4500000	5999999
5	1390639	3	17	50	1773	1597	1095	6177763	6000000	7499999
6	1622298	1	17	50	1225	0	0	7804526	7500000	8999999
7	1580592	3	17	80	1630	1026	1554	9386343	9000000	10499999
8	1451834	3	17	50	1001	1385	1364	10842387	10500000	11999999

Total number of pulses in waveform = 19

Type 5 Radar Waveform_10

Num of Bursts = 13
Burst Interval (us)= 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	524216	2	5	60	1863	1632	0	524216	0	923076
2	821598	2	5	95	1955	1408	0	1349309	923077	1846153
3	1265712	3	5	50	1854	1249	1706	2618384	1846154	2769230
4	226114	2	5	60	1380	1614	0	2849307	2769231	3692307
5	1560246	1	5	65	1372	0	0	4412547	3692308	4615384
6	843918	1	5	60	1769	0	0	5257837	4615385	5538461
7	930691	3	5	80	1984	1124	1592	6190297	5538462	6461538
8	434038	1	5	100	1178	0	0	6629035	6461539	7384615
9	1156455	1	5	55	1247	0	0	7786668	7384616	8307692
10	661108	1	5	50	1637	0	0	8449023	8307693	9230769
11	1057384	3	5	80	1410	1919	1864	9508044	9230770	10153846
12	1153526	1	5	60	1124	0	0	10666763	10153847	11076923
13	1235577	3	5	55	1807	1287	1837	11903464	11076924	12000000

Total number of pulses in waveform = 24

**Type 5 Radar Waveform_11**

Num of Bursts = 8
Burst Interval (us)= 1500000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	475407	3	19	55	1477	1174	1228	475407	0	1499999
2	2442285	1	19	100	1674	0	0	2921571	1500000	2999999
3	388525	3	19	60	1725	1184	1690	3311770	3000000	4499999
4	1461085	2	19	60	1153	1636	0	4777454	4500000	5999999
5	2213964	3	19	100	1502	1607	1595	6994207	6000000	7499999
6	1439232	2	19	75	1982	1852	0	8438143	7500000	8999999
7	1858860	3	19	70	1087	1339	1619	10300837	9000000	10499999
8	352482	1	19	90	1221	0	0	10657364	10500000	11999999

Total number of pulses in waveform = 18

Type 5 Radar Waveform_12

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	23648	1	8	50	1496	0	0	23648	0	999999
2	1254274	2	8	100	1411	1504	0	1279418	1000000	1999999
3	1028739	3	8	80	1711	1903	1563	2311072	2000000	2999999
4	1239569	2	8	50	1670	1684	0	3555818	3000000	3999999
5	1167407	2	8	75	1872	1498	0	4726579	4000000	4999999
6	921098	2	8	60	1956	1531	0	5651047	5000000	5999999
7	888653	3	8	85	1970	1819	1682	6543187	6000000	6999999
8	957304	2	8	85	1072	1704	0	7505962	7000000	7999999
9	652236	2	8	90	1499	1183	0	8160974	8000000	8999999
10	1268688	1	8	85	1878	0	0	9432344	9000000	9999999
11	1154022	2	8	60	1759	1733	0	10588244	10000000	10999999
12	434103	2	8	85	1497	1699	0	11025839	11000000	11999999

Total number of pulses in waveform = 24

Type 5 Radar Waveform_13

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	509678	2	10	55	1162	1015	0	509678	0	666666
2	527286	1	10	55	1930	0	0	1039141	666667	1333333
3	531595	2	10	60	1963	1601	0	1572666	1333334	2000000
4	923705	2	10	95	1404	1770	0	2499935	2000001	2666667
5	671454	2	10	95	1639	1235	0	3174563	2666668	3333334
6	371218	1	10	80	1238	0	0	3548705	3333335	4000001
7	573042	2	10	60	1161	1385	0	4122985	4000002	4666668
8	912562	2	10	95	1950	1952	0	5038093	4666669	5333335
9	766025	2	10	100	1259	1774	0	5808020	5333336	6000002
10	536145	2	10	80	1222	1507	0	6347198	6000003	6666669
11	920010	2	10	75	1410	1307	0	7269937	6666670	7333336
12	144577	2	10	75	1858	1245	0	7417231	7333337	8000003
13	928650	1	10	65	1495	0	0	8348984	8000004	8666670
14	892733	2	10	85	1963	1183	0	9243212	8666671	9333337
15	640972	1	10	80	1816	0	0	9887330	9333338	10000004
16	329936	2	10	65	1486	1748	0	10219082	10000005	10666671
17	777854	3	10	80	1582	1769	1223	11000170	10666672	11333338
18	349836	2	10	60	1631	1403	0	11354580	11333339	12000005

Total number of pulses in waveform = 33



Type 5 Radar Waveform_14

Num of Bursts = 15
Burst Interval (us) = 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	432185	1	14	65	1671	0	0	432185	0	799999
2	1058758	1	14	90	1818	0	0	1492614	800000	1599999
3	398688	1	14	75	1330	0	0	1893120	1600000	2399999
4	533202	2	14	60	1070	1640	0	2427652	2400000	3199999
5	1555561	2	14	55	1186	1703	0	3985923	3200000	3999999
6	773917	1	14	65	1513	0	0	4762729	4000000	4799999
7	86769	3	14	60	1921	1902	1741	4851011	4800000	5599999
8	1038731	1	14	100	1237	0	0	5895306	5600000	6399999
9	881507	2	14	55	1759	1815	0	6778050	6400000	7199999
10	924844	1	14	85	1291	0	0	7706468	7200000	7999999
11	446302	2	14	90	1590	1917	0	8154061	8000000	8799999
12	1144100	2	14	80	1038	1901	0	9301668	8800000	9599999
13	739098	3	14	85	1360	1369	1302	10043705	9600000	10399999
14	802929	3	14	60	1023	1164	1368	10850665	10400000	11199999
15	902126	2	14	50	1507	1896	0	11756346	11200000	11999999

Total number of pulses in waveform = 27

Type 5 Radar Waveform_15

Num of Bursts = 13
Burst Interval (us) = 923077

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	576250	2	18	70	1406	1830	0	576250	0	923076
2	1126693	3	18	75	1065	1483	1145	1706179	923077	1846153
3	261563	2	18	95	1305	1677	0	1971435	1846154	2769230
4	854197	1	18	60	1659	0	0	2828614	2769231	3692307
5	949417	2	18	70	1943	1863	0	3779690	3692308	4615384
6	937773	2	18	95	1011	1152	0	4721269	4615385	5538461
7	841725	2	18	80	1265	1849	0	5565157	5538462	6461538
8	1371832	2	18	100	1963	1450	0	6940103	6461539	7384615
9	1014411	1	18	95	1660	0	0	7957927	7384616	8307692
10	620508	2	18	85	1119	1680	0	8580095	8307693	9230769
11	1061443	3	18	65	1186	1048	1353	9644337	9230770	10153846
12	1067623	1	18	95	1002	0	0	10715547	10153847	11076923
13	1028831	3	18	70	1732	1403	1066	11745380	11076924	12000000

Total number of pulses in waveform = 26

Type 5 Radar Waveform_16

Num of Bursts = 20
Burst Interval (us) = 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	12986	2	6	65	1454	1743	0	12986	0	599999
2	810211	2	6	60	1209	1363	0	826394	600000	1199999
3	461820	1	6	55	1569	0	0	1290786	1200000	1799999
4	885550	1	6	95	1685	0	0	2177905	1800000	2399999
5	319319	1	6	75	1408	0	0	2498909	2400000	2999999
6	1017131	3	6	55	1511	1415	1785	3517448	3000000	3599999
7	103733	3	6	100	1733	1008	1543	3625892	3600000	4199999
8	821143	3	6	95	1642	1467	1177	4451319	4200000	4799999
9	367999	3	6	55	1880	1471	1830	4823604	4800000	5399999
10	862687	2	6	90	1692	1986	0	5691472	5400000	5999999
11	405509	1	6	90	1569	0	0	6100659	6000000	6599999
12	719304	3	6	60	1676	1135	1299	6821532	6600000	7199999
13	854176	3	6	90	1242	1911	1115	7679818	7200000	7799999
14	469486	1	6	95	1861	0	0	8153572	7800000	8399999
15	392478	1	6	50	1739	0	0	8547911	8400000	8999999
16	601416	2	6	65	1028	1364	0	9151066	9000000	9599999
17	529131	1	6	55	1429	0	0	9682589	9600000	10199999
18	999374	3	6	100	1351	1424	1802	10683392	10200000	10799999
19	606483	2	6	95	1000	1080	0	11294452	10800000	11399999
20	666337	1	6	85	2000	0	0	11962869	11400000	11999999

Total number of pulses in waveform = 39



Type 5 Radar Waveform_17

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	73476	3	9	60	1354	1012	1994	73476	0	599999
2	1088184	3	9	60	1635	1753	1838	1166020	600000	1199999
3	483646	2	9	70	1521	1780	0	1654892	1200000	1799999
4	695428	3	9	50	1827	1068	1649	2353621	1800000	2399999
5	358388	1	9	65	1124	0	0	2716553	2400000	2999999
6	676537	1	9	55	1449	0	0	3394214	3000000	3599999
7	347103	1	9	90	1693	0	0	3742766	3600000	4199999
8	842625	3	9	50	1725	1573	1918	4587084	4200000	4799999
9	794525	3	9	60	1575	1583	1525	5386825	4800000	5399999
10	574605	3	9	75	1579	0	0	5966113	5400000	5999999
11	174024	3	9	65	1767	1420	1518	6141716	6000000	6599999
12	683112	2	9	65	1059	1598	0	6829533	6600000	7199999
13	406570	3	9	70	1592	1669	1538	7238760	7200000	7799999
14	1095710	3	9	90	1361	1302	1125	8339269	7800000	8399999
15	77224	1	9	65	1506	0	0	8420281	8400000	8999999
16	614228	1	9	80	1487	0	0	9036015	9000000	9599999
17	700707	1	9	75	1926	0	0	9738209	9600000	10199999
18	918920	2	9	50	1353	1854	0	10659055	10200000	10799999
19	507427	2	9	85	1223	1720	0	11169689	10800000	11399999
20	691328	3	9	80	1170	1740	1845	11863960	11400000	11999999

Total number of pulses in waveform = 42

Type 5 Radar Waveform_18

Num of Bursts = 16
Burst Interval (us)= 750000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	700710	3	12	80	1816	1664	1118	700710	0	749999
2	274218	2	12	85	1711	1050	0	979526	750000	1499999
3	979876	2	12	90	1998	1964	0	1962163	1500000	2249999
4	852405	2	12	75	1460	1643	0	2818530	2250000	2999999
5	646092	2	12	65	1183	1977	0	3467725	3000000	3749999
6	859179	1	12	55	1301	0	0	4330064	3750000	4499999
7	413065	1	12	90	1051	0	0	4744430	4500000	5249999
8	1058965	1	12	50	1935	0	0	5804446	5250000	5999999
9	559462	1	12	55	1747	0	0	6365843	6000000	6749999
10	543056	1	12	55	1392	0	0	6910646	6750000	7499999
11	591386	3	12	85	1233	1739	1413	7503424	7500000	8249999
12	1010815	3	12	50	1328	1157	1611	8518624	8250000	8999999
13	491980	3	12	100	1819	1323	1012	9014700	9000000	9749999
14	1163302	3	12	55	1354	1663	1212	10182156	9750000	10499999
15	318577	1	12	75	1573	0	0	10504962	10500000	11249999
16	987349	2	12	95	1454	1619	0	11493884	11250000	11999999

Total number of pulses in waveform = 31

Type 5 Radar Waveform_19

Num of Bursts = 14
Burst Interval (us)= 857143

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	383205	1	17	65	1098	0	0	383205	0	857142
2	499060	2	17	100	1451	1549	0	883363	857143	1714285
3	1291354	3	17	95	1873	1824	1956	2177717	1714286	2571428
4	764032	1	17	95	1870	0	0	2947402	2571429	3428571
5	966862	1	17	50	1598	0	0	3916134	3428572	4285714
6	687904	3	17	85	1890	1986	1773	4605636	4285715	5142857
7	1147538	1	17	60	1357	0	0	5758823	5142858	6000000
8	274086	3	17	85	1404	1787	1084	6034266	6000001	6857143
9	896449	1	17	55	1188	0	0	6934990	6857144	7714286
10	973132	3	17	100	1860	1504	1436	7909310	7714287	8571429
11	742511	2	17	85	1307	1983	0	8656621	8571430	9428572
12	1139131	1	17	60	1413	0	0	9799042	9428573	10285715
13	1078416	3	17	65	1596	1331	1472	10878871	10285716	11142858
14	322308	1	17	75	1661	0	0	11205578	11142859	12000001

Total number of pulses in waveform = 26

**Type 5 Radar Waveform_20**

Num of Bursts = 9
Burst Interval (us)= 1333333

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	799714	2	5	60	1156	1333	0	799714	0	1333332
2	1054565	2	5	65	1987	1352	0	1856768	1333333	2666665
3	949899	1	5	75	1542	0	0	2810006	2666666	3999998
4	1287618	1	5	85	1945	0	0	4099166	3999999	5333331
5	1455398	3	5	90	1381	1891	1606	5556509	5333332	6666664
6	1373849	1	5	65	1255	0	0	6935236	6666665	7999997
7	1284418	1	5	50	1401	0	0	8220909	7999998	9333330
8	1571447	2	5	50	1561	1238	0	9793757	9333331	10666663
9	1634334	1	5	70	1040	0	0	11430890	10666664	11999996

Total number of pulses in waveform = 14

Type 5 Radar Waveform_21

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	790094	3	19	70	1957	1958	1586	790094	0	799999
2	654856	1	19	65	1722	0	0	1450451	800000	1599999
3	912560	1	19	60	1065	0	0	2364733	1600000	2399999
4	189330	2	19	75	1035	1936	0	2555128	2400000	3199999
5	952063	3	19	80	1252	1235	1823	3510162	3200000	3999999
6	1279268	3	19	70	1378	1277	1251	4793740	4000000	4799999
7	489589	3	19	70	1800	1366	1985	5287235	4800000	5599999
8	675179	3	19	55	1193	1714	1666	5967565	5600000	6399999
9	859054	2	19	95	1416	1495	0	6831192	6400000	7199999
10	448709	2	19	50	1346	1235	0	7282812	7200000	7999999
11	821270	1	19	85	1409	0	0	8106663	8000000	8799999
12	1467965	2	19	95	1124	1851	0	9576037	8800000	9599999
13	731351	3	19	50	1513	1363	1265	10310363	9600000	10399999
14	553354	3	19	100	1192	1423	1863	10867858	10400000	11199999
15	792501	3	19	50	1404	1288	1075	11664837	11200000	11999999

Total number of pulses in waveform = 35

Type 5 Radar Waveform_22

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	511799	2	8	65	1489	1510	0	511799	0	705881
2	817812	2	8	65	1931	1133	0	1332610	705882	1411763
3	229956	1	8	70	1808	0	0	1565630	1411764	2117645
4	774447	2	8	60	1620	1247	0	2341885	2117646	2823527
5	983072	3	8	100	1887	1283	1070	3327824	2823528	3529409
6	559961	3	8	60	1698	1184	1180	3892025	3529410	4235291
7	594068	2	8	50	1821	1980	0	4490155	4235292	4941173
8	1126080	1	8	85	1186	0	0	5620036	4941174	5647055
9	499422	2	8	70	1543	1439	0	6120644	5647056	6352937
10	323486	2	8	70	1147	1268	0	6447112	6352938	7058819
11	1220680	2	8	75	1198	1714	0	7670207	7058820	7764701
12	542155	2	8	95	1401	1094	0	8215274	7764702	8470583
13	438471	3	8	80	1600	1116	1595	8656240	8470584	9176465
14	911786	2	8	70	1530	1820	0	9572337	9176466	9882347
15	619102	2	8	85	1906	1506	0	10194789	9882348	10588229
16	925707	3	8	55	1383	1191	1409	11123908	10588230	11294111
17	665215	3	8	75	1811	1085	1003	11793106	11294112	11999993

Total number of pulses in waveform = 37



Type 5 Radar Waveform_23

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	135599	1	10	55	1587	0	0	135599	0	666666
2	703388	1	10	70	1662	0	0	840574	666667	1333333
3	1027215	3	10	75	1943	1303	1391	1869451	1333334	2000000
4	620194	3	10	50	1174	1025	1537	2494282	2000001	2666667
5	203427	1	10	95	1302	0	0	2701445	2666668	3333334
6	841176	1	10	50	1324	0	0	3543923	3333335	4000001
7	1003491	1	10	80	1161	0	0	4548738	4000002	4666668
8	466863	3	10	75	1758	1419	1294	5016762	4666669	5333335
9	367898	3	10	80	1002	1684	1815	5389131	5333336	6000002
10	1046678	3	10	95	1171	1332	1964	6440310	6000003	6666669
11	875624	3	10	65	1208	1875	1191	7320401	6666670	7333336
12	263928	1	10	60	1965	0	0	7588603	7333337	8000003
13	717310	2	10	50	1386	1022	0	8307878	8000004	8666670
14	853291	3	10	85	1323	1772	1406	9163577	8666671	9333337
15	672533	2	10	60	1514	1520	0	9840611	9333338	10000004
16	616780	1	10	70	1210	0	0	10460425	10000005	10666671
17	445151	3	10	100	1351	1353	1285	10906786	10666672	11333338
18	670362	2	10	60	1210	1895	0	11581137	11333339	12000005

Total number of pulses in waveform = 37

Type 5 Radar Waveform_24

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	704014	1	14	50	1689	0	0	704014	0	705881
2	426381	1	14	65	1889	0	0	1132084	705882	1411763
3	303463	1	14	75	1510	0	0	1437436	1411764	2117645
4	1256739	1	14	75	1308	0	0	2695685	2117646	2823527
5	474638	1	14	95	1621	0	0	3171631	2823528	3529409
6	569386	1	14	95	1814	0	0	3742638	3529410	4235291
7	778632	3	14	95	1039	1547	1748	4523084	4235292	4941173
8	816597	1	14	80	1614	0	0	5344015	4941174	5647055
9	748329	3	14	95	2000	1922	1605	6093958	5647056	6352937
10	598417	3	14	55	1946	1794	1165	6697902	6352938	7058819
11	725073	2	14	80	1077	1464	0	7427880	7058820	7764701
12	908632	2	14	90	1331	1431	0	8339053	7764702	8470583
13	238900	1	14	80	1720	0	0	8580715	8470584	9176465
14	845520	2	14	60	1473	1055	0	9427955	9176466	9882347
15	634970	2	14	65	1397	1998	0	10065453	9882348	10588229
16	545804	3	14	50	1088	1206	1665	10614652	10588230	11294111
17	779907	1	14	95	1766	0	0	11398518	11294112	11999993

Total number of pulses in waveform = 29

Type 5 Radar Waveform_25

Num of Bursts = 18
Burst Interval (us)= 666667

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	570735	1	18	100	1122	0	0	570735	0	666666
2	148137	1	18	100	1483	0	0	719994	666667	1333333
3	1164338	1	18	95	1247	0	0	1885815	1333334	2000000
4	127939	2	18	55	1837	1659	0	2015001	2000001	2666667
5	1099325	2	18	90	1764	1054	0	3117822	2666668	3333334
6	430162	3	18	100	1065	1524	1525	3550802	3333335	4000001
7	938058	3	18	95	1682	1020	1804	4492974	4000002	4666668
8	370129	3	18	50	1756	1062	1951	4867609	4666669	5333335
9	995902	3	18	70	1713	1346	1952	5868280	5333336	6000002
10	268307	2	18	80	1708	1071	0	6141598	6000003	6666669
11	1142084	1	18	100	1952	0	0	7286461	6666670	7333336
12	186518	1	18	95	1285	0	0	7474931	7333337	8000003
13	552769	1	18	85	1398	0	0	8028985	8000004	8666670
14	784517	1	18	60	1967	0	0	8814900	8666671	9333337
15	538136	1	18	90	1916	0	0	9355003	9333338	10000004
16	1185462	1	18	60	1448	0	0	10542381	10000005	10666671
17	410783	2	18	85	1575	1107	0	10954612	10666672	11333338
18	1006302	2	18	90	1326	1791	0	11963596	11333339	12000005

Total number of pulses in waveform = 31



Type 5 Radar Waveform_26

Num of Bursts = 15
Burst Interval (us)= 800000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	490719	1	6	70	1304	0	0	490719	0	799999
2	684736	1	6	90	1915	0	0	1176759	800000	1599999
3	713574	3	6	50	1571	1334	1241	1892248	1600000	2399999
4	1020880	1	6	70	1563	0	0	2917274	2400000	3199999
5	998144	3	6	100	1781	1851	1001	3916981	3200000	3999999
6	578570	3	6	70	1773	1442	1837	4500184	4000000	4799999
7	718979	3	6	85	1224	1241	1539	5224215	4800000	5599999
8	876819	1	6	90	1735	0	0	6105038	5600000	6399999
9	979015	2	6	75	1156	1582	0	7085788	6400000	7199999
10	230822	1	6	75	1674	0	0	7319348	7200000	7999999
11	1390527	1	6	75	1321	0	0	8711549	8000000	8799999
12	668940	2	6	60	1452	1659	0	9381810	8800000	9599999
13	892870	2	6	90	1360	1173	0	10277791	9600000	10399999
14	901619	3	6	55	1300	1866	1612	11181943	10400000	11199999
15	427188	1	6	75	1795	0	0	11613909	11200000	11999999

Total number of pulses in waveform = 28

Type 5 Radar Waveform_27

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	605725	3	9	50	1452	1977	1392	605725	0	705881
2	566147	1	9	85	1364	0	0	1176693	705882	1411763
3	671942	1	9	60	1030	0	0	1849999	1411764	2117645
4	665262	1	9	70	1350	0	0	2516291	2117646	2823527
5	462823	2	9	75	1035	1942	0	2980464	2823528	3529409
6	684547	2	9	50	1692	1107	0	3667988	3529410	4235291
7	1234609	2	9	95	1950	1741	0	4905396	4235292	4941173
8	204664	3	9	60	1726	1017	1183	5113751	4941174	5647055
9	824363	1	9	55	1350	0	0	5942040	5647056	6352937
10	503264	1	9	80	1051	0	0	6446654	6352938	7058819
11	1275202	1	9	60	1331	0	0	7722907	7058820	7764701
12	394470	3	9	65	1491	1120	1548	8118708	7764702	8470583
13	422443	2	9	95	1232	1510	0	8545310	8470584	9176465
14	739043	3	9	60	1207	1099	1169	9287095	9176466	9882347
15	732030	1	9	100	1519	0	0	10022600	9882348	10588229
16	927346	1	9	85	1433	0	0	10951465	10588230	11294111
17	523205	2	9	90	1702	1082	0	11476103	11294112	11999993

Total number of pulses in waveform = 30

Type 5 Radar Waveform_28

Num of Bursts = 20
Burst Interval (us)= 600000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	238340	3	12	50	1941	1969	1669	238340	0	599999
2	657353	1	12	50	1590	0	0	901272	600000	1199999
3	581424	1	12	95	1083	0	0	1484286	1200000	1799999
4	358300	1	12	65	1048	0	0	1843669	1800000	2399999
5	660544	1	12	80	1938	0	0	2505261	2400000	2999999
6	876157	1	12	80	1209	0	0	3383356	3000000	3599999
7	702356	1	12	55	1842	0	0	4086921	3600000	4199999
8	549082	2	12	95	1136	1737	0	4637845	4200000	4799999
9	577946	3	12	60	1475	1996	1505	5218664	4800000	5399999
10	565220	1	12	60	1129	0	0	5788860	5400000	5999999
11	683423	2	12	75	1156	1217	0	6473412	6000000	6599999
12	479189	3	12	90	1010	1630	1009	6954974	6600000	7199999
13	579565	2	12	55	1633	1488	0	7538188	7200000	7799999
14	775861	2	12	55	1122	1850	0	8317170	7800000	8399999
15	138513	3	12	50	1927	1725	1250	8458655	8400000	8999999
16	995849	3	12	70	1428	1491	1709	9459406	9000000	9599999
17	573522	2	12	90	1278	1847	0	10037556	9600000	10199999
18	346931	3	12	85	1524	1770	1857	10387612	10200000	10799999
19	841917	1	12	65	1644	0	0	11234680	10800000	11399999
20	294690	2	12	50	1706	1061	0	11531014	11400000	11999999

Total number of pulses in waveform = 38

**Type 5 Radar Waveform_29**

Num of Bursts = 12
Burst Interval (us)= 1000000

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	175961	1	17	70	1291	0	0	175961	0	999999
2	1529494	1	17	100	1302	0	0	1706746	1000000	1999999
3	608185	2	17	50	1511	1431	0	2316233	2000000	2999999
4	1304367	2	17	60	1009	1529	0	3623542	3000000	3999999
5	713097	3	17	70	1571	1068	1706	4339177	4000000	4999999
6	1450021	3	17	85	1091	1241	1798	5793543	5000000	5999999
7	769479	3	17	95	1070	1815	1611	6567152	6000000	6999999
8	617156	2	17	50	1953	1112	0	7188804	7000000	7999999
9	1191959	2	17	75	1198	1024	0	8383828	8000000	8999999
10	800435	2	17	55	1105	1176	0	9186485	9000000	9999999
11	1096214	3	17	90	1802	1987	1932	10284980	10000000	10999999
12	1508646	2	17	65	1939	1314	0	11799347	11000000	11999999

Total number of pulses in waveform = 26

Type 5 Radar Waveform_30

Num of Bursts = 17
Burst Interval (us)= 705882

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri (us)	Pulse 2 Pri (us)	Pulse 3 Pri (us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
1	311359	2	5	55	1351	1129	0	311359	0	705881
2	698749	1	5	65	1917	0	0	1012588	705882	1411763
3	412048	3	5	65	1696	1183	1576	1426553	1411764	2117645
4	1060198	1	5	85	1562	0	0	2491206	2117646	2823527
5	858083	1	5	85	1913	0	0	3350851	2823528	3529409
6	329154	3	5	50	1705	1531	1595	3681918	3529410	4235291
7	1164495	2	5	55	1384	1351	0	4851244	4235292	4941173
8	188833	1	5	65	1490	0	0	5042812	4941174	5647055
9	779371	1	5	100	1666	0	0	5823673	5647056	6352937
10	580937	3	5	60	1128	1079	1807	6406276	6352938	7058819
11	1209935	2	5	95	1269	1964	0	7620225	7058820	7764701
12	299224	2	5	95	1507	1432	0	7922682	7764702	8470583
13	718818	2	5	60	1282	1328	0	8644439	8470584	9176465
14	646695	1	5	60	1472	0	0	9293744	9176466	9882347
15	1223254	3	5	80	1538	1862	1807	10518470	9882348	10588229
16	411332	3	5	60	1098	1079	1518	10935009	10588230	11294111
17	882860	2	5	70	1057	1988	0	11821564	11294112	11999993

Total number of pulses in waveform = 33

Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5290	1	16	5290	1
2	5290	1	17	5290	1
3	5290	1	18	5290	1
4	5290	1	19	5290	1
5	5290	1	20	5290	1
6	5290	1	21	5290	1
7	5290	1	22	5290	1
8	5290	1	23	5290	1
9	5290	1	24	5290	1
10	5290	1	25	5290	1
11	5290	1	26	5290	1
12	5290	1	27	5290	1
13	5290	1	28	5290	1
14	5290	1	29	5290	1
15	5290	1	30	5290	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5300	3	1	5355	3
2	5302	6	21	5334	63
4	5319	12	28	5351	84
21	5346	63	39	5352	117
25	5312	75	41	5348	123
57	5299	171	42	5297	126
75	5309	225	49	5356	147
89	5307	267	66	5300	198
--	--	--	67	5323	201
--	--	--	96	5336	288
--	--	--	97	5344	291

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5320	30	11	5346	33
17	5344	51	13	5336	39
19	5334	57	21	5303	63
36	5348	108	24	5323	72
40	5319	120	37	5354	111
53	5297	159	38	5300	114
59	5346	177	46	5339	138
64	5310	192	64	5317	192
83	5312	249	72	5331	216
88	5318	264	84	5311	252
89	5327	267	89	5310	267

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5302	12	5	5335	15
5	5345	15	9	5298	27
14	5330	42	12	5316	36
17	5356	51	25	5317	75
36	5337	108	31	5342	93
48	5342	144	34	5321	102
60	5351	180	42	5325	126
64	5328	192	51	5331	153
72	5307	216	55	5302	165
75	5334	225	62	5340	186
79	5346	237	70	5330	210
83	5311	249	80	5352	240
--	--	--	89	5356	267
--	--	--	92	5350	276

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5348	0	11	5338	33
10	5317	30	18	5331	54
14	5307	42	21	5316	63
16	5312	48	32	5339	96
17	5319	51	34	5308	102
29	5335	87	66	5336	198
35	5303	105	68	5304	204
42	5343	126	70	5325	210
61	5297	183	74	5322	222
68	5331	204	76	5307	228
90	5350	270	95	5321	285
91	5327	273	98	5342	294
96	5325	288	--	--	--

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5315	3	6	5314	18
12	5316	36	12	5340	36
15	5342	45	20	5333	60
20	5320	60	24	5350	72
27	5338	81	26	5334	78
43	5347	129	35	5298	105
47	5333	141	46	5343	138
72	5340	216	47	5354	141
97	5317	291	60	5307	180
--	--	--	64	5344	192
--	--	--	68	5297	204

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5349	12	2	5332	6
6	5298	18	23	5312	69
7	5300	21	37	5299	111
11	5323	33	41	5328	123
17	5350	51	56	5345	168
35	5334	105	60	5343	180
53	5299	159	78	5315	234
68	5355	204	81	5311	243
71	5343	213	83	5354	249
76	5338	228	85	5307	255
88	5344	264	91	5310	273
--	--	--	94	5314	282
--	--	--	96	5348	288

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5340	6	3	5309	9
11	5329	33	5	5307	15
12	5313	36	20	5340	60
24	5303	72	25	5330	75
34	5344	102	27	5339	81
55	5298	165	40	5329	120
61	5317	183	42	5353	126
62	5346	186	43	5320	129
77	5306	231	51	5321	153
83	5314	249	52	5348	156
--	--	--	55	5343	165
--	--	--	63	5349	189
--	--	--	91	5312	273
--	--	--	99	5332	297

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5326	9	8	5315	24
6	5318	18	21	5339	63
8	5336	24	37	5336	111
11	5356	33	42	5318	126
13	5320	39	45	5302	135
19	5324	57	48	5337	144
36	5333	108	54	5305	162
48	5334	144	55	5350	165
50	5298	150	62	5309	186
52	5348	156	65	5311	195
57	5301	171	75	5320	225
59	5344	177	76	5351	228
63	5315	189	82	5355	246
65	5304	195	83	5323	249
67	5350	201	98	5328	294
74	5328	222	99	5330	297
87	5335	261	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
9	5314	27	11	5309	33
24	5346	72	22	5310	66
29	5304	87	23	5303	69
30	5331	90	28	5297	84
33	5310	99	36	5324	108
34	5329	102	47	5354	141
47	5340	141	49	5351	147
48	5341	144	52	5307	156
79	5354	237	64	5341	192
86	5335	258	72	5343	216
87	5317	261	81	5316	243
90	5305	270	98	5322	294
95	5320	285	99	5302	297

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5356	3	7	5318	21
2	5345	6	11	5302	33
8	5343	24	12	5314	36
16	5331	48	18	5337	54
18	5308	54	40	5356	120
26	5328	78	41	5357	123
42	5354	126	54	5340	162
46	5336	138	57	5304	171
54	5314	162	59	5307	177
60	5317	180	71	5336	213
65	5357	195	75	5312	225
96	5302	288	79	5300	237
99	5333	297	86	5316	258

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5306	12	13	5301	39
7	5314	21	19	5310	57
11	5322	33	24	5356	72
13	5347	39	29	5331	87
27	5352	81	55	5315	165
31	5335	93	58	5334	174
44	5354	132	62	5299	186
47	5349	141	64	5332	192
54	5320	162	71	5300	213
75	5303	225	83	5321	249
87	5321	261	87	5354	261
--	--	--	93	5308	279

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
9	5352	27	9	5330	27
13	5299	39	12	5306	36
50	5342	150	13	5321	39
54	5338	162	16	5305	48
58	5310	174	27	5322	81
70	5300	210	44	5324	132
86	5350	258	48	5343	144
90	5357	270	52	5328	156
93	5324	279	56	5323	168
94	5309	282	66	5299	198
95	5304	285	67	5315	201
99	5308	297	84	5334	252
--	--	--	86	5337	258

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5319	15	2	5314	6
8	5340	24	26	5313	78
12	5310	36	27	5306	81
14	5341	42	29	5301	87
16	5349	48	32	5318	96
17	5326	51	33	5345	99
25	5323	75	83	5350	249
26	5311	78	87	5299	261
37	5345	111	89	5354	267
45	5334	135	91	5308	273
55	5355	165	92	5339	276
64	5306	192	95	5336	285
67	5333	201	96	5335	288
73	5342	219	--	--	--
99	5353	297	--	--	--

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5306	6	3	5349	9
19	5310	57	9	5326	27
23	5305	69	23	5318	69
40	5332	120	40	5321	120
43	5326	129	62	5350	186
49	5319	147	65	5328	195
60	5318	180	84	5313	252
63	5351	189	86	5348	258
67	5340	201	93	5324	279
69	5349	207	95	5334	285
76	5341	228	--	--	--
77	5322	231	--	--	--
92	5327	276	--	--	--
98	5334	294	--	--	--

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5335	9	2	5338	6
14	5302	42	20	5353	60
23	5348	69	21	5325	63
26	5303	78	24	5322	72
28	5357	84	41	5356	123
45	5305	135	49	5321	147
55	5336	165	50	5352	150
61	5343	183	52	5310	156
64	5326	192	53	5304	159
--	--	--	55	5347	165
--	--	--	64	5317	192
--	--	--	66	5320	198
--	--	--	72	5309	216
--	--	--	82	5335	246
--	--	--	94	5327	282

6. CONCLUSION

The data collected relate only the item(s) tested and show that the **FCC ID: 2AD6M-X30** is in compliance with Part 15E of the FCC Rules.

The End