



### Type 5 Radar Waveform\_2

Waveform Num = 2  
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	541096	2	14	100	1253	1447	0	541096	0	999999
2	986501	1	17	50	1860	0	0	1530297	1000000	1999999
3	1203876	3	18	75	1366	1041	1023	2736033	2000000	2999999
4	422104	2	12	55	1427	1438	0	3161567	3000000	3999999
5	1434952	1	11	50	1227	0	0	4599384	4000000	4999999
6	501555	2	10	85	1286	1586	0	5102166	5000000	5999999
7	1169762	2	20	70	1473	1089	0	6274800	6000000	6999999
8	748281	1	11	90	1210	0	0	7025643	7000000	7999999
9	1088353	3	13	70	1111	1688	1251	8115206	8000000	8999999
10	1161801	2	6	50	1998	1740	0	9281057	9000000	9999999
11	1412326	2	14	85	1429	1167	0	10697121	10000000	10999999
12	764862	2	14	95	1240	1135	0	11464579	11000000	11999999

Total number of pulses in waveform = 23  
\*\*\*\*\*

### Type 5 Radar Waveform\_3

Waveform Num = 3  
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	140319	1	11	90	1458	0	0	140319	0	666666
2	1070822	2	10	80	1164	1148	0	1212599	666667	1333333
3	714140	1	16	55	1044	0	0	1929051	1333334	2000000
4	266524	1	19	85	1046	0	0	2196619	2000001	2666667
5	537316	3	13	100	1494	1045	1478	2734983	2666668	3333334
6	686510	3	8	55	1808	1718	1182	3425510	3333335	4000001
7	837911	2	15	75	1290	1258	0	4268129	4000002	4666668
8	712469	2	12	95	1419	1533	0	4983146	4666669	5333335
9	865237	3	19	70	1986	1536	1233	5851335	5333336	6000002
10	242142	1	7	55	1784	0	0	6098232	6000003	6666669
11	1121077	2	18	75	1070	1100	0	7221093	6666670	7333336
12	441391	3	6	85	1218	1193	1815	7864654	7333337	8000003
13	331522	1	10	100	1331	0	0	8000402	8000004	8666670
14	1062423	2	9	55	1543	1201	0	9064156	8666671	9333337
15	539651	2	5	70	1252	1315	0	9806551	9333338	10000004
16	597599	3	17	55	1943	1535	1750	10206717	10000005	10666671
17	606911	2	9	100	1577	1431	0	10818856	10666672	11333338
18	1168555	3	20	85	1574	1572	1781	11988419	11333339	12000005

Total number of pulses in waveform = 37  
\*\*\*\*\*

### Type 5 Radar Waveform\_4

Waveform Num = 4  
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	397359	3	20	100	1329	1178	1853	397359	0	666666
2	637606	3	7	80	1406	1126	1780	1039325	666667	1333333
3	765387	2	19	55	1365	1291	0	1809024	1333334	2000000
4	832464	3	17	75	1597	1702	1547	2644144	2000001	2666667
5	524699	2	12	55	1670	1942	0	3173679	2666668	3333334
6	728795	2	17	50	1730	1482	0	3906086	3333335	4000001
7	456425	2	8	65	1462	1414	0	4365723	4000002	4666668
8	808668	2	17	85	1286	1788	0	5177267	4666669	5333335
9	378196	1	12	80	1328	0	0	5558537	5333336	6000002
10	496718	3	10	95	1870	1095	1979	6058583	6000003	6666669
11	1252077	1	14	75	1913	0	0	7313604	6666670	7333336
12	117174	2	9	95	1316	1356	0	7432691	7333337	8000003
13	1058036	2	6	70	1216	1135	0	8493399	8000004	8666670
14	590143	3	10	50	1134	1160	1707	9085893	8666671	9333337
15	542851	3	7	80	1744	1596	1926	9632745	9333338	10000004
16	487487	3	19	55	1355	1402	1147	10125500	10000005	10666671
17	839714	2	6	80	1314	1714	0	10969118	10666672	11333338
18	696737	1	13	65	1002	0	0	11668883	11333339	12000005

Total number of pulses in waveform = 40  
\*\*\*\*\*



### Type 5 Radar Waveform\_5

Waveform Num = 5  
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	1136326	2	14	95	1288	1020	0	200231	0	705881
2	71938	1	9	75	1783	0	0	1338865	705882	1411763
3	1322286	3	6	80	1289	1668	1458	1412566	1411764	2117645
4	122261	2	12	70	1422	1908	0	2739287	2117646	2823527
5	1067731	1	16	100	1014	0	0	2864878	2823528	3529409
6	593729	1	17	95	1051	0	0	3933623	3529410	4235291
7	461228	3	20	70	1002	1499	1109	4528403	4235292	4941173
8	781494	3	18	75	1356	1848	1154	4993241	4941174	5647055
9	590172	1	16	70	1047	0	0	5779093	5647056	6352937
10	1375551	2	13	90	1987	1381	0	6370312	6352938	7058819
11	684426	3	17	80	1845	1222	1128	7749231	7058820	7764701
12	75305	2	8	60	1444	1030	0	8437852	7764702	8470583
13	855972	2	9	65	1557	1404	0	8515631	8470584	9176465
14	594498	2	13	55	1298	1819	0	9374564	9176466	9882347
15	1127644	1	19	55	1995	0	0	9972179	9882348	10588229
16	301657	2	17	85	1538	1311	0	11101818	10588230	11294111
17		2	18	90	1645	1226	0	11406324	11294112	11999993

Total number of pulses in waveform = 33  
\*\*\*\*\*

### Type 5 Radar Waveform\_6

Waveform Num = 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	214001	1	5	85	1649	0	0	495255	0	631578
2	970055	2	16	85	1710	1143	0	710905	631579	1263157
3	271682	3	17	100	1004	1380	1434	1683813	1263158	1894738
4	848182	3	14	50	1680	1799	1661	1959313	1894737	2526315
5	503501	2	16	50	1179	1260	0	2812615	2526316	3157894
6	1066798	3	16	80	1126	1278	1197	3318555	3157895	3789473
7	336864	3	10	95	1204	1790	1240	4388954	3789474	4421052
8	578840	2	17	80	1236	1710	0	4730052	4421053	5052631
9	793869	3	16	95	1641	1190	1344	5311838	5052632	5684210
10	450642	3	9	85	1165	1867	1380	6109862	5684211	6315789
11	486296	1	14	55	1268	0	0	6564936	6315790	6947368
12	1080126	2	20	70	1037	1385	0	7052500	6947369	7578947
13	234047	1	16	100	1659	0	0	8135048	7578948	8210526
14	589915	2	7	65	1773	1153	0	8370754	8210527	8842105
15	616412	2	5	55	1425	1246	0	8963595	8842106	9473684
16	1127067	1	14	50	1982	0	0	9582680	9473685	10105263
17	282351	1	15	70	1585	0	0	10711709	10105264	10736842
18	512771	2	11	100	1068	1079	0	10995845	10736843	11368421
19		1	10	75	1279	0	0	11510563	11368422	12000000

Total number of pulses in waveform = 38  
\*\*\*\*\*

### Type 5 Radar Waveform\_7

Waveform Num = 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	185977	3	15	95	1113	1981	1352	165977	0	666666
2	581455	3	10	55	1706	1468	1908	731878	666667	1333333
3	1224529	3	11	70	1542	1626	1498	1961489	1333334	2000000
4	377412	1	7	85	1321	0	0	2343567	2000001	2666667
5	631749	2	9	75	1747	1116	0	2976637	2666668	3333334
6	470945	2	20	95	1298	1233	0	3450445	3333335	4000001
7	1045467	1	13	55	1769	0	0	4498443	4000002	4666668
8	811811	1	5	80	1756	0	0	5312023	4666669	5333335
9	131320	3	6	100	1095	1086	1875	5445089	5333336	6000002
10	908396	2	9	55	1688	1056	0	6357551	6000003	6666669
11	572315	1	17	60	1305	0	0	6932610	6666670	7333336
12	987867	3	16	50	1665	1085	1891	7801582	7333337	8000003
13	600845	1	14	90	1082	0	0	8407068	8000004	8666670
14	422940	1	15	90	1487	0	0	8831090	8666671	9333337
15	753342	1	17	65	1573	0	0	9585919	9333338	10000004
16	579869	2	18	55	1468	1048	0	10167181	10000005	10666671
17	731588	3	7	85	1310	1549	1045	10901283	10666672	11333338
18	891754	3	15	95	1640	1933	1088	11796941	11333339	12000005

Total number of pulses in waveform = 36  
\*\*\*\*\*



### Type 5 Radar Waveform\_8

Waveform Num = 8  
 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	461333	2	8	85	1214	1714	0	461333	0	631578
2	426171	1	7	85	1783	0	0	890432	631579	1263157
3	837068	1	20	100	1258	0	0	1729283	1263158	1894736
4	553049	1	20	95	1035	0	0	2283588	1894737	2526315
5	272056	3	5	100	1132	1014	1106	2556681	2526316	3157894
6	1213588	1	12	75	1910	0	0	3773521	3157895	3789473
7	519035	2	8	60	1783	1380	0	4294466	3789474	4421052
8	171360	1	6	85	1226	0	0	4468989	4421053	5052631
9	1055979	1	16	65	1768	0	0	5173735	5052632	5684210
10	528781	2	10	70	1137	1338	0	6231482	5684211	6315789
11	665461	1	14	95	1666	0	0	6762738	6315790	6947368
12	675118	1	13	60	1944	0	0	7429865	6947369	7578947
13	425068	2	11	80	1856	1265	0	8106927	7578948	8210526
14	345162	1	18	95	1568	0	0	8535116	8210527	8842105
15	933727	1	20	100	1316	0	0	8881846	8842106	9473684
16	722000	2	13	100	1364	1884	0	9816889	9473685	10105263
17	390340	2	10	55	1328	1309	0	10542137	10105264	10736842
18	786454	2	12	50	1696	1384	0	10935114	10736843	11368421
19	786454	3	10	55	1070	1634	1820	11724648	11368422	12000000

Total number of pulses in waveform = 30  
 \*\*\*\*\*

### Type 5 Radar Waveform\_9

Waveform Num = 9  
 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	381342	1	20	80	1373	0	0	381342	0	631578
2	270656	3	15	100	1392	1867	1216	653371	631579	1263157
3	627806	2	12	80	1470	1707	0	1285652	1263158	1894736
4	684805	3	6	80	1089	1635	1267	1896033	1894737	2526315
5	821728	2	10	80	1805	1310	0	2584829	2526316	3157894
6	534609	1	17	75	1239	0	0	3409672	3157895	3789473
7	654662	2	5	95	1703	1740	0	3945520	3789474	4421052
8	567626	3	6	90	1772	1745	1971	4603625	4421053	5052631
9	960563	1	16	60	1458	0	0	5176739	5052632	5684210
10	371119	2	17	50	1511	1467	0	6136760	5684211	6315789
11	718520	1	14	65	1927	0	0	6512857	6315790	6947368
12	718520	1	19	85	1803	0	0	7233304	6947369	7578947
13	722277	3	10	80	1307	1602	1758	7957384	7578948	8210526
14	509143	3	19	90	1159	1402	1599	8471194	8210527	8842105
15	605344	1	19	80	1325	0	0	9080698	8842106	9473684
16	842559	3	15	90	1754	1621	1678	9924582	9473685	10105263
17	766681	2	15	100	1993	1480	0	10696316	10105264	10736842
18	650385	3	5	75	1447	1409	1652	11350174	10736843	11368421
19	208417	2	9	55	1640	1596	0	11563099	11368422	12000000

Total number of pulses in waveform = 39  
 \*\*\*\*\*

### Type 5 Radar Waveform\_10

Waveform Num = 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	760252	1	15	95	1029	0	0	760252	0	1333332
2	1079764	1	19	90	1663	0	0	1841045	1333333	2666665
3	983721	3	10	75	1786	1385	1246	2826429	2666666	3999998
4	1507090	3	16	65	1147	1326	1657	4337936	3999999	5333331
5	1536874	1	7	100	1905	0	0	5878940	5333332	6666664
6	1115231	3	10	75	1086	1773	1279	6996076	6666665	7999997
7	2084844	1	18	95	1193	0	0	9085058	7999998	9333330
8	1498964	2	6	60	1619	1489	0	10585215	9333331	10666663
9	436537	2	6	95	1486	1111	0	11024860	10666664	11999996

Total number of pulses in waveform = 17  
 \*\*\*\*\*



### Type 5 Radar Waveform\_11

Waveform Num = 11  
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	387543	3	8	85	1440	1636	1601	387543	0	799999
2	595367	1	5	100	1151	0	0	987587	800000	1599999
3	761726	3	9	75	1547	1884	1905	1750464	1600000	2399999
4	1321441	3	14	95	1143	1042	1899	3077241	2400000	3199999
5	485518	3	18	85	1122	1590	1361	3566843	3200000	3999999
6	904762	1	17	85	1044	0	0	4475678	4000000	4799999
7	589491	3	6	85	1014	1348	1537	5066213	4800000	5599999
8	855424	1	6	60	1946	0	0	5925536	5600000	6399999
9	975841	2	19	60	1997	1150	0	6903323	6400000	7199999
10	960011	1	7	75	1622	0	0	7866481	7200000	7999999
11	634158	1	7	80	1059	0	0	8502261	8000000	8799999
12	1003513	1	5	80	1444	0	0	9506833	8800000	9599999
13	674962	1	9	60	1331	0	0	10183239	9600000	10399999
14	835631	1	10	85	1068	0	0	11020201	10400000	11199999
15	662359	3	12	95	1024	1580	1112	11683628	11200000	11999999

Total number of pulses in waveform = 28  
\*\*\*\*\*

### Type 5 Radar Waveform\_12

Waveform Num = 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	773772	3	18	85	1977	1553	1208	773772	0	999999
2	933420	2	16	85	1740	1501	0	1711930	1000000	1999999
3	485764	1	20	75	1846	0	0	2200935	2000000	2999999
4	1586297	3	9	95	1798	1565	1376	3789078	3000000	3999999
5	312881	2	13	50	1128	1540	0	4106698	4000000	4999999
6	1340101	3	5	70	1954	1220	1981	5449467	5000000	5999999
7	739783	2	5	80	1659	1178	0	6194405	6000000	6999999
8	1399778	2	12	70	1884	1419	0	7597020	7000000	7999999
9	812618	2	20	75	1612	1169	0	8412941	8000000	8999999
10	1367917	1	7	70	1703	0	0	9783639	9000000	9999999
11	1205759	3	16	100	1211	1126	1094	10991101	10000000	10999999
12	772180	1	20	80	1677	0	0	11766712	11000000	11999999

Total number of pulses in waveform = 25  
\*\*\*\*\*

### Type 5 Radar Waveform\_13

Waveform Num = 13  
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	417680	1	11	65	1399	0	0	417680	0	1090908
2	684202	2	19	90	1195	1852	0	1103281	1090909	2181817
3	1974687	2	11	65	1712	1503	0	3081015	2181818	3272726
4	458991	3	16	55	1108	1485	1742	3543221	3272727	4363635
5	1391822	2	19	50	1910	1537	0	4939378	4363636	5454544
6	687801	1	6	80	1604	0	0	5630626	5454545	6545453
7	1152146	2	14	60	1984	1113	0	6784376	6545454	7636362
8	1934697	2	17	70	1552	1194	0	8722170	7636363	8727271
9	406334	3	9	95	1257	1262	1618	9131250	8727272	9818180
10	1077907	3	16	100	1515	1165	1693	10213294	9818181	10909089
11	1676202	2	15	85	1878	1596	0	11893869	10909090	11999998

Total number of pulses in waveform = 23  
\*\*\*\*\*



### Type 5 Radar Waveform\_14

Waveform Num = 14  
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	258231	1	13	100	1252	0	0	258231	0	999999
2	1655791	3	10	75	1149	1818	1882	1915274	1000000	1999999
3	333115	3	6	75	1828	1095	1420	2253238	2000000	2999999
4	1167170	3	19	75	1043	1895	1245	3424751	3000000	3999999
5	1393701	2	13	90	1597	1436	0	4822635	4000000	4999999
6	952812	2	8	75	1894	1979	0	5778480	5000000	5999999
7	245268	2	20	85	1122	1406	0	6027621	6000000	6999999
8	1585275	2	10	70	1424	1668	0	7615424	7000000	7999999
9	717443	3	5	70	1237	1126	1421	8335959	8000000	8999999
10	1083508	1	10	70	1629	0	0	9423251	9000000	9999999
11	1555587	1	20	60	1376	0	0	10980447	10000000	10999999
12	929519	3	7	75	1292	1157	1436	11911342	11000000	11999999

Total number of pulses in waveform = 26  
\*\*\*\*\*

### Type 5 Radar Waveform\_15

Waveform Num = 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	919430	2	14	60	1419	1288	0	919430	0	923076
2	582220	3	13	60	1501	1352	1252	1504357	923077	1846153
3	460781	3	14	50	1032	1005	1866	1969243	1846154	2769230
4	898043	1	20	80	1268	0	0	2871189	2769231	3692307
5	1020604	3	15	95	1036	1658	1666	3893061	3692308	4615384
6	1427674	1	15	85	1163	0	0	5325095	4615385	5538461
7	651874	2	5	90	1229	1359	0	5978132	5538462	6461538
8	1080849	3	9	50	1670	1393	1176	7061569	6461539	7384615
9	542310	3	11	60	1365	1972	1514	7608118	7384616	8307692
10	798547	3	12	100	1395	1381	1097	8411516	8307693	9230769
11	1033510	1	7	55	1996	0	0	9448899	9230770	10153846
12	1594024	1	13	55	1032	0	0	11044919	10153847	11076923
13	223075	2	14	75	1990	1670	0	11269026	11076924	12000000

Total number of pulses in waveform = 28  
\*\*\*\*\*

### Type 5 Radar Waveform\_16

Waveform Num = 16  
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	284849	3	15	95	1670	1789	1679	284849	0	631578
2	853102	1	9	95	1997	0	0	943089	631579	1263157
3	580373	1	6	50	1567	0	0	1505459	1263158	1894736
4	561741	3	8	75	1665	1039	1406	2068767	1894737	2526315
5	587359	2	14	75	1172	1530	0	2860236	2526316	3157894
6	875830	1	7	75	1492	0	0	3538768	3157895	3789473
7	473518	3	13	80	1658	1989	1907	4013778	3789474	4421052
8	1003827	2	15	95	1913	1232	0	5023159	4421053	5052631
9	258874	2	6	55	1045	1611	0	5285178	5052632	5684210
10	633513	3	8	50	1128	1494	1197	5921347	5684211	6315789
11	493245	3	10	70	1512	1073	1332	6418411	6315790	6947368
12	554842	2	17	55	1159	1535	0	6977170	6947369	7578947
13	952874	3	7	95	1143	1481	1394	7932738	7578948	8210526
14	534979	1	16	55	1067	0	0	8471735	8210527	8842105
15	564275	2	7	55	1524	1214	0	9037077	8842106	9473684
16	785852	1	18	100	1794	0	0	9825667	9473685	10105263
17	763634	3	8	70	1271	1104	1559	10591095	10105264	10736842
18	518798	1	8	90	1534	0	0	11113827	10736843	11368421
19	846971	2	12	95	1736	1636	0	11962332	11368424	12000000

Total number of pulses in waveform = 39  
\*\*\*\*\*



### Type 5 Radar Waveform\_17

Waveform Num = 17  
 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	180259	2	14	95	1854	1923	0	180259	0	666666
2	842143	3	8	60	1570	1514	1347	1025979	666667	1333333
3	456462	3	14	90	1145	1337	1300	1486872	1333334	2000000
4	852938	3	14	60	1448	1216	1611	2343592	2000001	2666667
5	621948	3	18	75	1776	1709	1268	2969815	2666668	3333334
6	591362	2	6	90	1893	1489	0	3665930	3333335	4000001
7	626638	2	17	100	1788	1801	0	4197950	4000002	4666668
8	1100110	2	18	50	1781	1848	0	5301649	4666669	5333335
9	380027	2	17	90	1861	1277	0	5685305	5333336	6000002
10	826894	2	6	85	1510	1575	0	6515337	6000003	6666669
11	296608	3	11	55	1614	1829	1200	6815030	6666670	7333336
12	767522	1	20	80	1791	0	0	7587195	7333337	8000003
13	609423	3	15	90	1323	1811	1672	8198409	8000004	8666670
14	942253	1	16	65	1493	0	0	9145468	8666671	9333337
15	299589	1	20	50	1402	0	0	9446550	9333338	10000004
16	910035	2	13	80	1219	1186	0	10357987	10000005	10666671
17	440374	1	20	75	1305	0	0	10800766	10666672	11333338
18	924971	1	18	80	1160	0	0	11727042	11333339	12000005

Total number of pulses in waveform = 37  
 \*\*\*\*\*

### Type 5 Radar Waveform\_18

Waveform Num = 18  
 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	93032	2	20	70	1308	1191	0	93032	0	631578
2	870313	1	13	80	1408	0	0	965844	631579	1263157
3	416879	1	18	90	1954	0	0	1384131	1263158	1894736
4	761287	2	8	65	1385	1366	0	2147372	1894737	2526315
5	490348	1	17	85	1147	0	0	2640471	2526316	3157894
6	710144	2	9	100	1941	1267	0	3351762	3157895	3789473
7	623856	2	10	60	1177	1309	0	3978826	3789474	4421052
8	970981	1	13	50	1563	0	0	4952293	4421053	5052631
9	172750	1	20	70	1900	0	0	5126606	5052632	5684210
10	712686	1	10	65	1832	0	0	5841192	5684211	6315789
11	619169	3	18	50	1898	1603	1245	6462193	6315790	6947368
12	862962	3	11	55	1965	1931	1242	7329901	6947369	7578947
13	542016	3	18	80	1621	1030	1542	7877055	7578948	8210526
14	489576	1	14	55	1116	0	0	8350826	8210527	8842105
15	526956	3	18	70	1175	1749	1993	8878998	8842106	9473684
16	1153744	2	19	60	1607	1462	0	10037559	9473685	10105263
17	452634	1	5	90	1599	0	0	10493262	10105264	10736842
18	458466	2	10	85	1804	1853	0	10951327	10736843	11368421
19	566411	1	10	85	1973	0	0	11521395	11368422	12000000

Total number of pulses in waveform = 33  
 \*\*\*\*\*

### Type 5 Radar Waveform\_19

Waveform Num = 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	86273	2	10	100	1957	1959	0	86273	0	999999
2	912935	2	10	55	1358	1181	0	1003124	1000000	1999999
3	1007939	2	17	60	1309	1733	0	2013602	2000000	2999999
4	1504196	3	12	60	1502	1336	1534	3520840	3000000	3999999
5	1350018	3	15	75	1017	1636	1161	4875230	4000000	4999999
6	1068278	2	6	50	1682	1893	0	5947322	5000000	5999999
7	564790	3	7	95	1140	1995	1089	6515687	6000000	6999999
8	569112	1	9	75	1378	0	0	7089023	7000000	7999999
9	1198878	2	10	70	1782	1124	0	8289279	8000000	8999999
10	1372772	3	16	80	1312	1531	1947	9664957	9000000	9999999
11	879165	1	5	90	1506	0	0	10548912	10000000	10999999
12	1274700	2	14	60	1387	1397	0	11825118	11000000	11999999

Total number of pulses in waveform = 26  
 \*\*\*\*\*



### Type 5 Radar Waveform\_20

Waveform Num = 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	1110156	2	5	60	1557	1886	0	1110156	0	1199999
2	863964	2	6	60	1981	1356	0	1997563	1200000	2399999
3	838822	3	14	70	1252	1402	1326	2839722	2400000	3599999
4	1848246	3	10	85	1261	1118	1755	4691948	3600000	4799999
5	742421	1	10	60	1796	0	0	5438503	4800000	5999999
6	1730875	2	11	50	1480	1211	0	7171174	6000000	7199999
7	414296	2	13	50	1065	1755	0	7588161	7200000	8399999
8	1658432	3	17	95	1054	1506	1790	9249413	8400000	9599999
9	976410	2	10	75	1212	1157	0	10230173	9600000	10799999
10	1607917	1	9	70	1421	0	0	11840459	10800000	11999999

Total number of pulses in waveform = 21  
\*\*\*\*\*

### Type 5 Radar Waveform\_21

Waveform Num = 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	35510	1	19	55	1634	0	0	35510	0	599999
2	1138402	3	9	100	1241	1497	1229	1175546	600000	1199999
3	556816	2	19	75	1918	1423	0	1736329	1200000	1799999
4	466612	3	7	50	1493	1896	1752	2206282	1800000	2399999
5	605149	1	8	70	1057	0	0	2816572	2400000	2999999
6	753638	3	7	60	1621	1939	1099	3571267	3000000	3599999
7	423698	1	17	70	1979	0	0	3999624	3600000	4199999
8	557911	2	11	95	1403	1473	0	4559514	4200000	4799999
9	856557	3	20	55	1701	1272	1996	5218947	4800000	5399999
10	535482	2	14	50	1584	1942	0	5759398	5400000	5999999
11	770110	2	6	65	1957	1063	0	6533034	6000000	6599999
12	263290	2	15	80	1810	1439	0	6799344	6600000	7199999
13	480681	1	20	100	1086	0	0	7263274	7200000	7799999
14	1041627	1	16	65	1355	0	0	8325987	7800000	8399999
15	245292	3	5	1409	1576	1120	0	8572634	8400000	8999999
16	666856	2	18	65	1613	1691	0	9243595	9000000	9599999
17	666033	1	12	55	1027	0	0	9912932	9600000	10199999
18	616847	2	6	50	1213	1465	0	10530806	10200000	10799999
19	436192	1	16	95	1825	0	0	10969596	10800000	11399999
20	508644	2	11	100	1115	1629	0	11480165	11400000	11999999

Total number of pulses in waveform = 38  
\*\*\*\*\*

### Type 5 Radar Waveform\_22

Waveform Num = 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	88823	3	12	65	1101	1158	1646	88823	0	599999
2	637249	3	7	70	1596	1331	1969	729977	600000	1199999
3	737302	3	15	65	1281	1508	1798	1472175	1200000	1799999
4	618500	2	18	70	1009	1685	0	2095262	1800000	2399999
5	890616	3	11	100	1755	1087	1246	2968572	2400000	2999999
6	572220	1	8	60	1394	0	0	3564880	3000000	3599999
7	433906	2	5	65	1251	1397	0	4000180	3600000	4199999
8	346684	2	12	90	1886	1629	0	4349512	4200000	4799999
9	544654	2	6	70	1617	1559	0	4897681	4800000	5399999
10	859440	3	17	80	1999	1044	1688	5759497	5400000	5999999
11	346968	3	9	85	1878	1755	1076	6111196	6000000	6599999
12	791903	3	12	75	1235	1731	1618	6907808	6600000	7199999
13	416886	2	14	60	1118	1015	0	7329478	7200000	7799999
14	998733	2	9	60	1405	1370	0	8330344	7800000	8399999
15	84780	1	16	95	1757	0	0	8417899	8400000	8999999
16	776437	1	12	65	1401	0	0	9198093	9000000	9599999
17	664647	1	6	85	1777	0	0	9882141	9600000	10199999
18	779755	3	16	75	1944	1939	1616	10663673	10200000	10799999
19	591054	2	5	50	1355	1923	0	11260428	10800000	11399999
20	349847	2	15	65	1036	1532	0	11613553	11400000	11999999

Total number of pulses in waveform = 44  
\*\*\*\*\*



### Type 5 Radar Waveform\_23

Waveform Num = 23  
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	183477	2	11	75	1065	1396	0	183477	0	799999
2	859848	2	7	90	1476	1579	0	1045786	800000	1599999
3	707267	3	17	55	1825	1971	1700	1756108	1600000	2399999
4	1001596	1	20	80	1957	0	0	2763200	2400000	3199999
5	554213	1	11	95	1253	0	0	3319370	3200000	3999999
6	1276467	2	12	50	1824	1662	0	4597090	4000000	4799999
7	432665	1	18	55	1828	0	0	5033241	4800000	5599999
8	1159853	1	5	95	1923	0	0	6194922	5600000	6399999
9	516875	3	15	55	1321	1750	1738	6713720	6400000	7199999
10	892380	1	7	60	1207	0	0	7610909	7200000	7999999
11	403353	2	6	60	1846	1876	0	8015469	8000000	8799999
12	1130216	1	19	85	1994	0	0	9149407	8800000	9599999
13	936102	3	6	70	1018	1358	1133	10087503	9600000	10399999
14	331098	1	6	75	1070	0	0	10422110	10400000	11199999
15	1492695	1	12	80	1997	0	0	11915875	11200000	11999999

Total number of pulses in waveform = 25  
\*\*\*\*\*

### Type 5 Radar Waveform\_24

Waveform Num = 24  
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	668815	1	8	90	1717	0	0	668815	0	1333332
2	1362661	2	14	75	1054	1164	0	2033193	1333333	2666665
3	1667828	1	13	75	1322	0	0	3703239	2666666	3999998
4	1001158	3	19	80	1556	1080	1584	4705719	3999999	5333331
5	1803807	1	14	80	1277	0	0	6513746	5333332	6666664
6	474807	1	16	60	1495	0	0	6989830	6666665	7999997
7	1809791	3	18	50	1494	1621	1583	8801116	7999998	9333330
8	1014700	1	18	100	1641	0	0	9820514	9333331	10666663
9	1078034	2	10	90	1827	1982	0	10900189	10666664	11999996

Total number of pulses in waveform = 15  
\*\*\*\*\*

### Type 5 Radar Waveform\_25

Waveform Num = 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	479632	2	9	90	1499	1230	0	479632	0	1090908
2	1328577	1	9	100	1284	0	0	1610936	1090909	2181817
3	507343	3	11	60	1257	1851	1214	2319565	2181818	3272726
4	1923639	1	7	70	1569	0	0	4247526	3272727	4363635
5	853499	2	10	70	1796	1923	0	5102594	4363636	5454544
6	1238920	2	17	90	1719	1577	0	6345233	5454545	6545453
7	386551	2	5	100	1931	1429	0	6735080	6545454	7636362
8	1099651	2	17	90	1955	1122	0	7838091	7636363	8727271
9	1680976	1	14	75	1355	0	0	9522144	8727272	9818180
10	620733	1	19	95	1909	0	0	10144232	9818181	10909089
11	1638269	2	5	90	1649	1112	0	11964410	10909090	11999998

Total number of pulses in waveform = 19  
\*\*\*\*\*





### Type 5 Radar Waveform\_26

Waveform Num = 26  
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	318544	2	12	85	1394	1706	0	318544	0	599999
2	768030	2	12	70	1137	1856	0	1089674	600000	1199999
3	385635	3	19	85	1471	1952	1120	1478302	1200000	1799999
4	349744	3	18	55	1998	1073	1715	2168690	1800000	2399999
5	962919	1	20	75	1734	0	0	2523220	2400000	2999999
6	411885	2	7	90	1873	1535	0	3487873	3000000	3599999
7	483635	2	5	60	1201	1155	0	3903166	3600000	4199999
8	817384	3	9	60	1531	1494	1884	4389157	4200000	4799999
9	244138	3	12	100	1227	1035	1686	5211450	4800000	5399999
10	991196	1	13	85	1452	0	0	5459536	5400000	5999999
11	718359	3	12	55	1896	1136	1815	6452184	6000000	6599999
12	88131	2	15	70	1262	1655	0	7175390	6600000	7199999
13	840204	2	14	75	1946	1168	0	7266438	7200000	7799999
14	692518	3	12	100	1998	1860	1751	8109756	7800000	8399999
15	498567	1	11	90	1331	0	0	8807903	8400000	8999999
16	366185	3	19	70	1259	1902	1010	9307801	9000000	9599999
17	690360	3	13	80	1610	1235	1668	9678157	9600000	10199999
18	637703	2	17	70	1965	1276	0	10373050	10200000	10799999
19	615221	3	6	75	1102	1989	1547	11013994	10800000	11399999
20	815221	1	5	80	1252	0	0	11633453	11400000	11999999

Total number of pulses in waveform = 45  
\*\*\*\*\*

### Type 5 Radar Waveform\_27

Waveform Num = 27  
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	45408	3	16	85	1636	1777	1304	45408	0	749999
2	1069917	1	8	95	1984	0	0	1120042	750000	1499999
3	712673	2	7	80	1799	1134	0	1834699	1500000	2249999
4	698862	3	15	65	1194	1251	1060	2536494	2250000	2999999
5	1079982	1	6	50	1008	0	0	3619381	3000000	3749999
6	525247	2	10	70	1943	1343	0	4145636	3750000	4499999
7	1039396	2	20	75	1189	1052	0	5188318	4500000	5249999
8	250680	1	12	60	1715	0	0	5441239	5250000	5999999
9	1007063	3	6	65	1228	1152	1787	6450017	6000000	6749999
10	951169	1	17	80	1111	0	0	7405353	6750000	7499999
11	207527	1	13	65	1765	0	0	7613991	7500000	8249999
12	1166624	3	18	65	1647	1779	1192	8782380	8250000	8999999
13	442854	1	17	85	1417	0	0	9229852	9000000	9749999
14	626572	2	12	75	1302	1096	0	9857841	9750000	10499999
15	944186	3	11	65	1167	1899	1418	10804425	10500000	11249999
16	903614	3	6	75	1639	1207	1388	11712523	11250000	11999999

Total number of pulses in waveform = 32  
\*\*\*\*\*

### Type 5 Radar Waveform\_28

Waveform Num = 28  
Num of Bursts = 17  
Burst Interval (us) = 705862

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	189719	1	9	95	1116	0	0	189719	0	705861
2	1165740	1	14	80	1352	0	0	1356575	705862	1411763
3	740531	3	17	90	1704	1577	1712	2098458	1411764	2117645
4	710900	2	7	80	1695	1680	0	2814351	2117646	2823527
5	159844	3	11	70	1691	1359	1822	2977570	2823528	3529409
6	692783	1	19	50	1033	0	0	3675225	3529410	4235291
7	1020611	1	13	85	1397	0	0	4696869	4235292	4941173
8	322610	2	14	50	1802	1342	0	5020876	4941174	5647055
9	841885	1	6	55	1550	0	0	5865905	5647056	6352937
10	1056117	3	8	100	1484	1637	1764	6923572	6352938	7058819
11	195691	3	6	70	1279	1764	1413	7124148	7058820	7764701
12	772982	2	6	95	1438	1531	0	7901586	7764702	8470583
13	900443	1	18	80	1348	0	0	8804998	8470584	9176465
14	1049942	1	18	90	1077	0	0	9856288	9176466	9882347
15	520854	1	13	65	1041	0	0	10378219	9882348	10588229
16	471199	3	10	65	1890	1136	1431	10850459	10588230	11294111
17	1063484	1	19	85	1123	0	0	11918400	11294112	11999993

Total number of pulses in waveform = 30  
\*\*\*\*\*



### Type 5 Radar Waveform\_29

Waveform Num = 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	448705	1	5	80	1145	0	0	448705	0	857142
2	493231	2	12	70	1894	1540	0	943081	857143	1714285
3	1152590	2	12	65	1095	1241	0	2099105	1714286	2571428
4	1280138	3	19	70	1245	1849	1830	3381579	2571429	3428571
5	596045	1	6	95	1515	0	0	3982548	3428572	4285714
6	398572	3	8	60	1023	1288	1935	4380635	4285715	5142857
7	1554343	3	11	70	1355	1131	1211	5939224	5142858	6000000
8	421823	1	8	70	1532	0	0	6384744	6000001	6857143
9	1217322	2	10	100	1463	1988	0	7583598	6857144	7714286
10	730293	1	6	75	1334	0	0	8317342	7714287	8571429
11	451988	2	16	50	1906	1896	0	8770664	8571430	9428572
12	817685	1	11	95	1110	0	0	9592151	9428573	10285715
13	1482344	3	19	100	1280	1823	1363	11075605	10285716	11142858
14	169366	2	14	50	1346	1273	0	11249437	11142859	12000001

Total number of pulses in waveform = 27  
\*\*\*\*\*

### Type 5 Radar Waveform\_30

Waveform Num = 30  
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	944030	1	20	55	1416	0	0	944030	0	1199999
2	642532	3	20	85	1173	1617	1364	1587978	1200000	2399999
3	916968	2	14	75	1990	1824	0	2509100	2400000	3599999
4	1398494	1	16	65	1479	0	0	3911408	3600000	4799999
5	1405319	3	12	55	1761	1415	1421	5318206	4800000	5999999
6	1429487	2	12	85	1289	1890	0	6752290	6000000	7199999
7	1051010	2	15	55	1232	1140	0	7806479	7200000	8399999
8	984548	1	14	70	1920	0	0	8793399	8400000	9599999
9	1850680	1	15	75	1349	0	0	10645999	9600000	10799999
10	466363	3	5	55	1553	1015	1371	11113711	10800000	11999999

Total number of pulses in waveform = 19  
\*\*\*\*\*

## 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	5492	1	16	5492	1
2	5492	1	17	5492	1
3	5492	1	18	5492	1
4	5492	1	19	5492	1
5	5492	1	20	5492	1
6	5492	1	21	5492	1
7	5492	1	22	5492	1
8	5492	1	23	5492	1
9	5492	1	24	5492	1
10	5492	1	25	5492	1
11	5492	1	26	5492	1
12	5492	1	27	5492	1
13	5492	1	28	5492	1
14	5492	1	29	5492	1
15	5492	1	30	5492	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	5499	3	1	5473	3
7	5521	21	15	5499	45
9	5512	27	16	5469	48
10	5518	30	23	5506	69
12	5494	36	37	5511	111
16	5515	48	38	5494	114
30	5492	90	50	5478	150
44	5485	132	59	5514	177
78	5490	234	81	5498	243
80	5516	240	82	5489	246
88	5470	264	83	5485	249
93	5509	279	89	5487	267
94	5481	282	91	5462	273
--	--	--	93	5500	279
--	--	--	96	5497	288

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5462	3	2	5479	6
30	5467	90	17	5471	51
40	5496	120	31	5474	93
51	5490	153	42	5498	126
54	5478	162	45	5494	135
62	5476	186	51	5520	153
65	5477	195	57	5467	171
68	5507	204	60	5516	180
77	5519	231	62	5510	186
--	--	--	68	5512	204
--	--	--	70	5517	210
--	--	--	76	5464	228
--	--	--	95	5478	285

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
15	5509	45	3	5481	9
16	5510	48	24	5501	72
29	5493	87	25	5511	75
36	5467	108	39	5505	117
38	5488	114	54	5469	162
40	5490	120	61	5490	183
53	5522	159	66	5480	198
57	5497	171	81	5479	243
58	5518	174	27	5486	81
77	5481	231	37	5466	111
89	5478	267	43	5470	129
93	5503	279	45	5497	135
--	--	--	70	5518	210
--	--	--	74	5516	222
--	--	--	89	5487	267
--	--	--	92	5478	276
--	--	--	93	5468	279

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5481	9	0	5479	0
24	5501	72	7	5492	21
25	5511	75	12	5474	36
39	5505	117	21	5486	63
54	5469	162	23	5520	69
61	5490	183	28	5504	84
66	5480	198	32	5508	96
81	5479	243	38	5489	114
90	5483	270	41	5483	123
--	--	--	43	5519	129
--	--	--	44	5517	132
--	--	--	65	5522	195
--	--	--	67	5505	201
--	--	--	70	5518	210
--	--	--	71	5515	213
--	--	--	79	5494	237

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5519	9	1	5494	3
22	5467	66	2	5464	6
24	5508	72	3	5463	9
25	5471	75	5	5488	15
29	5483	87	7	5479	21
45	5503	135	9	5506	27
71	5473	213	24	5462	72
79	5474	237	32	5502	96
83	5476	249	49	5503	147
93	5478	279	54	5522	162
94	5468	282	69	5477	207
--	--	--	75	5505	225
--	--	--	83	5466	249
--	--	--	85	5519	255
--	--	--	92	5486	276
--	--	--	94	5470	282

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
13	5498	39	9	5473	27
15	5499	45	14	5496	42
20	5518	60	16	5480	48
34	5477	102	35	5491	105
36	5521	108	57	5484	171
39	5471	117	59	5474	177
43	5469	129	64	5481	192
56	5502	168	78	5490	234
57	5473	171	--	--	--
73	5485	219	--	--	--
74	5508	222	--	--	--
81	5511	243	--	--	--
93	5488	279	--	--	--
98	5482	294	--	--	--

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5476	3	6	5501	18
6	5511	18	8	5476	24
14	5486	42	10	5520	30
23	5498	69	21	5500	63
27	5509	81	30	5508	90
33	5494	99	47	5497	141
43	5502	129	55	5507	165
52	5516	156	59	5471	177
53	5467	159	69	5502	207
62	5480	186	73	5477	219
66	5503	198	78	5472	234
74	5519	222	87	5493	261
88	5518	264	89	5496	267
90	5488	270	93	5475	279
92	5479	276	--	--	--



Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5493	12	22	5462	66
5	5465	15	30	5517	90
6	5499	18	33	5469	99
8	5520	24	51	5520	153
18	5463	54	59	5516	177
20	5468	60	65	5494	195
26	5473	78	66	5482	198
29	5489	87	84	5493	252
30	5462	90	92	5505	276
40	5516	120	--	--	--
42	5491	126	--	--	--
57	5476	171	--	--	--
65	5519	195	--	--	--
79	5467	237	--	--	--
85	5486	255	--	--	--
89	5490	267	--	--	--
95	5496	285	--	--	--
98	5509	294	--	--	--
99	5475	297	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5522	3	5	5465	15
2	5504	6	6	5480	18
10	5498	30	8	5519	24
13	5500	39	14	5493	42
24	5502	72	15	5496	45
35	5511	105	16	5515	48
44	5515	132	18	5514	54
55	5467	165	22	5469	66
56	5485	168	29	5470	87
61	5464	183	39	5462	117
66	5470	198	48	5497	144
69	5484	207	49	5489	147
75	5496	225	63	5506	189
87	5507	261	97	5486	291

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
14	5503	42	2	5498	6
16	5513	48	6	5507	18
19	5520	57	42	5511	126
22	5508	66	43	5502	129
27	5484	81	46	5474	138
40	5509	120	51	5469	153
46	5469	138	52	5487	156
66	5486	198	63	5514	189
72	5521	216	65	5479	195
95	5501	285	68	5462	204
--	--	--	81	5486	243
--	--	--	88	5471	264
--	--	--	94	5493	282
--	--	--	99	5485	297

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5508	12	7	5487	21
19	5464	57	8	5512	24
26	5503	78	35	5504	105
27	5477	81	42	5520	126
31	5467	93	59	5494	177
32	5480	96	83	5503	249
35	5485	105	84	5521	252
52	5492	156	88	5522	264
53	5512	159	96	5465	288
63	5491	189	97	5485	291
64	5515	192	--	--	--
66	5474	198	--	--	--
69	5498	207	--	--	--
75	5499	225	--	--	--
77	5488	231	--	--	--
81	5462	243	--	--	--
87	5514	261	--	--	--
93	5482	279	--	--	--

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5466	0	4	5502	12
12	5492	36	16	5521	48
14	5490	42	40	5501	120
15	5468	45	53	5474	159
27	5517	81	63	5471	189
29	5488	87	67	5507	201
42	5516	126	75	5473	225
49	5521	147	80	5479	240
50	5498	150	89	5516	267
51	5502	153	96	5472	288
63	5495	189	--	--	--
68	5475	204	--	--	--
74	5472	222	--	--	--
75	5514	225	--	--	--
90	5509	270	--	--	--
97	5508	291	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5470	12	15	5465	45
12	5492	36	18	5484	54
27	5469	81	24	5467	72
38	5518	114	38	5503	114
39	5512	117	49	5521	147
47	5493	141	53	5507	159
54	5500	162	60	5487	180
55	5483	165	65	5514	195
60	5487	180	68	5473	204
74	5503	222	69	5491	207
80	5496	240	77	5470	231
97	5521	291	87	5516	261
--	--	--	91	5494	273
--	--	--	95	5477	285
--	--	--	98	5486	294

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5494	3	4	5515	12
5	5504	15	6	5519	18
11	5516	33	14	5509	42
17	5517	51	31	5520	93
41	5495	123	40	5466	120
54	5475	162	50	5478	150
57	5512	171	51	5464	153
63	5496	189	55	5514	165
67	5481	201	57	5481	171
99	5493	297	60	5463	180
			61	5479	183
			74	5491	222
--	--	--	77	5485	231
--	--	--	78	5521	234
--	--	--	81	5492	243
--	--	--	86	5505	258
--	--	--	90	5490	270
--	--	--	93	5500	279

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5497	21	10	5502	30
14	5516	42	16	5499	48
25	5469	75	24	5469	72
45	5517	135	25	5522	75
52	5483	156	40	5487	120
57	5505	171	43	5476	129
58	5482	174	44	5478	132
73	5514	219	45	5512	135
87	5521	261	46	5485	138
91	5509	273	56	5488	168
94	5488	282	60	5507	180
--	--	--	69	5504	207
--	--	--	74	5481	222
--	--	--	76	5505	228
--	--	--	78	5473	234
--	--	--	86	5462	258
--	--	--	88	5477	264
--	--	--	91	5497	273

**Mode2: Bridge and mesh mode**

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	5491	1	858	62	1
2	5491	1	518	102	1
3	5491	1	818	65	1
4	5491	1	678	78	1
5	5491	1	758	70	1
6	5491	1	838	63	1
7	5491	1	658	81	1
8	5491	1	918	58	1
9	5491	1	938	57	1
10	5491	1	558	95	1
11	5491	1	798	67	1
12	5491	1	718	74	1
13	5491	1	638	83	1
14	5491	1	878	61	1
15	5491	1	578	92	1
16	5491	1	2345	23	1
17	5491	1	2928	19	1
18	5491	1	1201	44	1
19	5491	1	877	61	1
20	5491	1	2859	19	1
21	5491	1	955	56	1
22	5491	1	2398	23	1
23	5491	1	2884	19	1
24	5491	1	821	65	1
25	5491	1	816	65	1
26	5491	1	1606	33	1
27	5491	1	1967	27	1
28	5491	1	3063	18	1
29	5491	1	2572	21	1
30	5491	1	689	77	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	5500	4.0	229	24	1
2	5500	1.7	183	28	1
3	5500	2.3	197	29	1
4	5500	2.0	155	23	1
5	5500	2.7	216	28	1
6	5500	4.5	214	24	1
7	5500	1.2	217	25	1
8	5500	2.6	182	26	1
9	5500	2.3	188	27	1
10	5500	1.2	203	29	1
11	5500	1.3	208	26	1
12	5500	1.5	218	29	1
13	5500	4.6	223	28	1
14	5500	2.5	229	24	1
15	5500	1.9	162	23	1
16	5500	2.9	171	23	1
17	5500	4.1	214	24	1
18	5500	2.7	190	25	1
19	5500	5.0	179	27	1
20	5500	4.7	214	27	1
21	5500	3.0	169	27	1
22	5500	3.3	197	25	1
23	5500	4.6	225	23	1
24	5500	4.1	213	28	1
25	5500	2.7	202	27	1
26	5500	4.9	160	24	1
27	5500	4.5	156	23	1
28	5500	3.1	158	28	1
29	5500	3.4	178	27	1
30	5500	4.5	194	25	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	5509	9.2	312	17	1
2	5509	9.2	408	18	1
3	5509	6.6	313	16	1
4	5509	9.7	477	18	1
5	5509	8.1	372	16	1
6	5509	9.5	288	18	1
7	5509	7.2	417	16	1
8	5509	6.2	283	17	1
9	5509	9.4	470	18	1
10	5509	9.2	453	16	1
11	5509	8.0	436	17	1
12	5509	7.5	303	18	1
13	5509	8.9	376	18	1
14	5509	6.8	301	16	1
15	5509	7.9	408	16	1
16	5509	7.1	337	18	1
17	5509	7.7	377	16	1
18	5509	8.2	441	16	1
19	5509	6.8	255	16	1
20	5509	8.2	378	16	1
21	5509	6.0	494	18	1
22	5509	7.3	281	18	1
23	5509	7.6	251	18	1
24	5509	8.2	436	18	1
25	5509	9.0	459	18	1
26	5509	6.2	370	18	1
27	5509	7.5	450	16	1
28	5509	7.3	431	17	1
29	5509	7.7	287	17	1
30	5509	6.4	295	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	5491	12.0	446	14	1
2	5491	12.5	330	12	1
3	5491	16.1	354	14	1
4	5491	19.9	434	15	1
5	5491	15.8	397	14	1
6	5491	11.7	306	12	1
7	5491	15.6	318	14	1
8	5491	18.7	451	12	1
9	5491	17.2	314	16	1
10	5491	11.9	345	15	1
11	5491	13.4	383	16	1
12	5491	19.4	399	14	1
13	5491	11.1	491	14	1
14	5491	13.3	495	14	1
15	5491	16.9	494	14	1
16	5491	19.8	263	12	1
17	5491	11.4	463	14	1
18	5491	16.8	485	12	1
19	5491	20.0	280	14	1
20	5491	15.6	273	15	1
21	5491	13.6	301	12	1
22	5491	19.8	274	16	1
23	5491	16.0	333	16	1
24	5491	17.6	330	12	1
25	5491	19.6	342	16	1
26	5491	19.6	350	12	1
27	5491	17.9	309	13	1
28	5491	19.5	356	13	1
29	5491	14.9	265	12	1
30	5491	15.3	342	13	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	5492	1	16	5507	1
2	5493	1	17	5508	1
3	5494	1	18	5492	1
4	5495	1	19	5493	1
5	5496	1	20	5494	1
6	5497	1	21	5495	1
7	5498	1	22	5496	1
8	5499	1	23	5497	1
9	5500	1	24	5498	1
10	5501	1	25	5499	1
11	5502	1	26	5500	1
12	5503	1	27	5501	1
13	5504	1	28	5502	1
14	5505	1	29	5503	1
15	5506	1	30	5504	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1										
<pre> Waveform Num = 1 Num of Bursts = 17 Burst Interval (us) = 705882           </pre>										
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	263243	1	12	80	1201	0	0	263243	0	705881
2	836817	1	16	80	1506	0	0	1101261	705882	1411763
3	727808	3	6	100	1212	1035	1630	1830575	1411764	2117845
4	904213	2	7	70	1156	1547	0	2738665	2117846	2823527
5	84392	1	5	95	1260	0	0	2825760	2823528	3529409
6	1276961	1	6	85	1579	0	0	4103981	3529410	4235291
7	173820	3	10	50	1744	1409	1419	4279360	4235292	4941173
8	977332	1	13	80	1543	0	0	5261284	4941174	5847055
9	849213	1	18	70	1390	0	0	6112040	5847056	6352937
10	655541	3	20	65	2000	1332	1267	6766971	6352938	7058819
11	357212	2	5	90	1934	1427	0	7130782	7058820	7764701
12	972449	1	20	65	1617	0	0	8106592	7764702	8470583
13	824049	2	19	95	1889	1955	0	8932258	8470584	9176465
14	469651	1	19	80	1028	0	0	9405753	9176466	9882347
15	1049349	2	12	50	1845	1921	0	10456130	9882348	10588229
16	494442	3	13	70	1665	1669	1828	10954338	10588230	11294111
17	1014735	3	17	85	1784	1097	1246	11974235	11294112	11999993
Total number of pulses in waveform = 31										
*****										



### Type 5 Radar Waveform\_2

Waveform Num = 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	689635	1	16	80	1841	0	0	689635	0	1199999
2	1011714	2	12	65	1999	1610	0	1703190	1200000	2399999
3	1014376	3	11	80	1040	1727	1219	2721175	2400000	3599999
4	1979481	3	20	85	1876	1639	1795	4704642	3600000	4799999
5	565423	3	7	65	1194	1956	1835	5275375	4800000	5999999
6	805189	1	9	70	1304	0	0	6085549	6000000	7199999
7	1283590	1	19	65	1822	0	0	7370443	7200000	8399999
8	1447407	3	14	95	1339	1226	1593	8819672	8400000	9599999
9	1199652	3	9	70	1349	1774	1031	10023482	9600000	10799999
10	1607519	1	8	70	1163	0	0	11635155	10800000	11999999

Total number of pulses in waveform = 21  
\*\*\*\*\*

### Type 5 Radar Waveform\_3

Waveform Num = 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	829152	1	14	95	1710	0	0	829152	0	923076
2	695364	2	9	75	1199	1499	0	1526226	923077	1846153
3	709197	1	19	65	1440	0	0	2238121	1846154	2769230
4	1055989	3	10	85	1142	1787	1256	3295550	2769231	3692307
5	1291023	2	18	85	1557	1847	0	4590758	3692308	4615384
6	590293	1	8	100	1482	0	0	5184455	4615385	5538461
7	900951	3	7	75	1990	1098	1690	6086888	5538462	6461538
8	626902	3	14	100	1157	1150	1374	6718768	6461539	7384615
9	1058270	1	19	65	1613	0	0	7780719	7384616	8307692
10	1124854	1	11	85	1277	0	0	8907186	8307693	9230769
11	1243542	1	13	80	1548	0	0	10152005	9230770	10153846
12	459141	3	14	90	1748	1566	1444	10612694	10153847	11076923
13	989429	1	15	100	1720	0	0	11606881	11076924	12000000

Total number of pulses in waveform = 23  
\*\*\*\*\*

### Type 5 Radar Waveform\_4

Waveform Num = 4  
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	569454	1	18	50	1885	0	0	569454	0	799999
2	997971	3	20	80	1630	1435	1917	1569310	800000	1599999
3	458186	3	8	60	1372	1120	1677	2032478	1600000	2399999
4	1026919	2	9	85	1643	1492	0	3063566	2400000	3199999
5	454763	3	16	85	1248	1481	1315	3521464	3200000	3999999
6	506676	3	9	85	2000	1895	1642	4032184	4000000	4799999
7	1197601	1	13	50	1048	0	0	5235322	4800000	5599999
8	727631	1	19	100	1634	0	0	5964001	5600000	6399999
9	781872	1	16	95	1023	0	0	6747507	6400000	7199999
10	1069578	1	13	75	1852	0	0	7818108	7200000	7999999
11	395402	1	11	65	1778	0	0	8215362	8000000	8799999
12	1338305	2	14	100	1773	1350	0	9555445	8800000	9599999
13	764337	1	20	85	1195	0	0	10322905	9600000	10399999
14	689527	1	13	85	1560	0	0	11013627	10400000	11199999
15	468815	2	9	50	1862	1816	0	11484002	11200000	11999999

Total number of pulses in waveform = 26  
\*\*\*\*\*



### Type 5 Radar Waveform\_5

Waveform Num = 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	160478	3	17	100	1401	1630	1429	160478	0	631578
2	530000	1	6	60	1531	0	0	694938	631579	1263157
3	1090494	2	11	50	1055	1539	0	1766963	1263158	1894736
4	560020	2	8	60	1132	1421	0	2349577	1894737	2526315
5	376926	2	14	95	1456	1482	0	2729056	2526316	3157894
6	762935	3	15	80	1002	1785	1464	3494929	3157895	3789473
7	464829	2	7	90	1537	1608	0	3964009	3789474	4421052
8	755498	2	5	50	1230	1931	0	4722652	4421053	5052631
9	713342	1	5	55	1373	0	0	5439155	5052632	5684210
10	263939	2	7	85	1010	1923	0	5724467	5684211	6315789
11	1055948	1	14	85	1343	0	0	6763346	6315790	6947368
12	335350	1	11	75	1908	0	0	7120041	6947369	7578947
13	585965	3	17	75	1656	1150	1888	7707914	7578948	8210526
14	901348	1	14	80	1224	0	0	8613956	8210527	8842105
15	341255	2	5	75	1220	1379	0	8956435	8842106	9473684
16	895567	1	15	80	1187	0	0	9854601	9473685	10105263
17	822344	1	13	90	1006	0	0	10678132	10105264	10736842
18	478192	3	15	95	1519	1321	1845	11157332	10736843	11368421
19	504214	2	5	70	1155	1021	0	11666231	11368422	12000000

Total number of pulses in waveform = 35  
 \*\*\*\*\*

### Type 5 Radar Waveform\_6

Waveform Num = 6  
 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	229461	1	7	65	1713	0	0	229461	0	705881
2	642362	2	19	50	1123	1568	0	873556	705882	1411763
3	1154880	1	18	50	1474	0	0	2031127	1411764	2117645
4	568726	2	6	65	1515	1750	0	2601327	2117646	2823527
5	591914	2	12	50	1220	1697	0	3196506	2823528	3529408
6	869595	2	5	55	1105	1475	0	4069018	3529410	4235291
7	361002	2	5	95	1293	1587	0	4432600	4235292	4941173
8	506222	2	14	70	1338	1545	0	4941702	4941174	5647055
9	940473	1	10	50	1909	0	0	5885058	5647056	6352937
10	469006	3	12	65	1570	1072	1068	6355973	6352938	7058819
11	939356	1	20	100	1666	0	0	7299039	7058820	7764701
12	540658	3	15	75	1146	1469	1247	7841363	7764702	8470583
13	719100	2	16	90	1144	1043	0	8564325	8470584	9176465
14	639595	3	20	50	1165	1862	1910	9206107	9176466	9882347
15	1283613	3	12	60	1055	1281	1444	10494657	9882348	10588229
16	713654	2	16	50	1058	1589	0	11212091	10588230	11294111
17	379147	2	13	75	1374	1504	0	11593685	11294112	11999993

Total number of pulses in waveform = 34  
 \*\*\*\*\*

### Type 5 Radar Waveform\_7

Waveform Num = 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	152172	3	8	100	1218	1680	1837	152172	0	857142
2	1292283	2	19	55	1762	1441	0	1449190	857143	1714285
3	833518	1	6	90	1958	0	0	2285911	1714286	2571428
4	426526	2	6	60	1811	1423	0	2714397	2571429	3428571
5	730688	1	18	65	1718	0	0	3448319	3428572	4285714
6	905420	3	20	95	1876	1757	1644	4355457	4285715	5142857
7	1629609	2	15	80	1572	1498	0	5990343	5142858	6000000
8	767744	1	13	90	1800	0	0	6761157	6000001	6857143
9	694254	3	15	55	1446	1588	1147	7457211	6857144	7714286
10	709573	3	5	85	1404	1706	1384	8170965	7714287	8571429
11	576159	3	16	85	1554	1851	1981	8751618	8571430	9428572
12	812324	2	11	75	1271	1754	0	9569328	9428573	10285715
13	933153	3	20	50	1156	1534	1896	10505506	10285716	11142858
14	1118133	1	15	90	1162	0	0	11628225	11142859	12000001

Total number of pulses in waveform = 30  
 \*\*\*\*\*



### Type 5 Radar Waveform\_8

Waveform Num = 8  
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	965276	2	17	70	1950	1641	0	965276	0	1199999
2	426704	3	19	50	1811	1112	1096	1395571	1200000	2399999
3	1080132	3	10	80	1201	1347	1228	2479722	2400000	3599999
4	1739403	3	17	65	1478	1583	1644	4222901	3600000	4799999
5	575968	1	7	65	1403	0	0	4803574	4800000	5999999
6	1262244	2	17	60	1085	1561	0	6067221	6000000	7199999
7	1579345	3	10	80	1170	1860	1573	7649212	7200000	8399999
8	807543	1	18	95	1585	0	0	8461158	8400000	9599999
9	1777713	2	17	85	1326	1391	0	10240456	9600000	10799999
10	1054062	3	20	90	1750	1638	1120	11297235	10800000	11999999

Total number of pulses in waveform = 23  
\*\*\*\*\*

### Type 5 Radar Waveform\_9

Waveform Num = 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	477036	3	5	70	1244	1416	1499	477036	0	749999
2	800445	2	17	60	1221	1009	0	1281640	750000	1499999
3	655172	2	11	85	1936	1854	0	1939042	1500000	2249999
4	395012	2	18	95	1238	1207	0	2337844	2250000	2999999
5	683422	3	10	60	1803	1424	1911	3023711	3000000	3749999
6	870572	2	20	95	1876	1352	0	3899221	3750000	4499999
7	983235	1	20	80	1136	0	0	4885684	4500000	5249999
8	573967	3	15	55	1366	1022	1577	5460787	5250000	5999999
9	978136	1	14	95	1158	0	0	6442888	6000000	6749999
10	936955	3	5	80	1957	1075	1694	7380999	6750000	7499999
11	444293	2	11	90	1060	1097	0	7830018	7500000	8249999
12	507267	3	18	95	1179	1461	1060	8339442	8250000	8999999
13	1224764	3	18	60	1490	1052	1285	9567906	9000000	9749999
14	337703	3	16	95	1458	1032	1499	9909436	9750000	10499999
15	920325	2	16	90	1536	1268	0	10833750	10500000	11249999
16	1141805	1	15	55	1772	0	0	11978359	11250000	11999999

Total number of pulses in waveform = 36  
\*\*\*\*\*

### Type 5 Radar Waveform\_10

Waveform Num = 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	641458	1	16	100	1151	0	0	641458	0	857142
2	383056	3	15	90	1194	1059	1212	1025665	857143	1714285
3	1239194	3	9	65	1924	1824	1126	2268324	1714286	2571428
4	393562	2	17	85	1858	1477	0	2666760	2571429	3428571
5	1170727	3	17	100	1227	1568	1109	3840822	3428572	4285714
6	551369	1	8	95	1371	0	0	4396095	4285715	5142857
7	1044632	2	18	55	1232	1981	0	5442098	5142858	6000000
8	893703	1	9	80	1225	0	0	6339014	6000001	6857143
9	912518	3	6	65	1166	1860	1978	7252757	6857144	7714286
10	573966	1	12	75	1038	0	0	7831727	7714287	8571429
11	1279478	3	8	55	1151	1813	1144	9112243	8571430	9428572
12	1142217	2	10	50	1895	1111	0	10258568	9428573	10285715
13	469818	1	9	90	1640	0	0	10731392	10285716	11142858
14	531685	3	12	55	1067	1004	1877	11264717	11142859	12000001

Total number of pulses in waveform = 29  
\*\*\*\*\*



### Type 5 Radar Waveform\_11

Waveform Num = 11  
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	562937	2	9	100	1940	1323	0	562937	0	923076
2	411271	2	12	80	1558	1384	0	977471	923077	1846153
3	1685906	1	19	95	1249	0	0	2666319	1846154	2769230
4	728297	1	15	75	1653	0	0	3395865	2769231	3692307
5	297661	3	6	60	1105	1213	1148	3695179	3692308	4615384
6	1360101	1	13	55	1509	0	0	5058746	4615385	5538461
7	520687	1	8	50	1961	0	0	5580942	5538462	6461538
8	1471131	1	19	50	1846	0	0	7054034	6461539	7384615
9	1060707	2	15	75	1064	1564	0	8116587	7384616	8307692
10	385298	3	15	95	1128	1501	1975	8504513	8307693	9230769
11	919753	1	6	60	1101	0	0	9428870	9230770	10153846
12	1572336	1	8	70	1981	0	0	11002307	10153847	11076923
13	322960	2	18	55	1577	1683	0	11327248	11076924	12000000

Total number of pulses in waveform = 21  
\*\*\*\*\*

### Type 5 Radar Waveform\_12

Waveform Num = 12  
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	139303	3	17	80	1868	1930	1245	139303	0	599999
2	795081	1	16	65	1129	0	0	939427	600000	1199999
3	569580	2	16	85	1444	1310	0	1510136	1200000	1799999
4	566092	3	10	50	1041	1372	1145	2078982	1800000	2399999
5	404004	3	13	50	1141	1025	1147	2486544	2400000	2999999
6	1008662	3	6	60	1210	1192	1584	3498519	3000000	3599999
7	434969	2	9	95	1515	1957	0	3937474	3600000	4199999
8	377891	1	16	95	1782	0	0	4318837	4200000	4799999
9	489151	2	8	100	1079	1004	0	4809770	4800000	5399999
10	814500	2	11	95	1276	1878	0	5626353	5400000	5999999
11	605323	2	12	85	1687	1322	0	6234830	6000000	6599999
12	931130	1	20	75	1864	0	0	7168969	6600000	7199999
13	289546	2	11	55	1550	1363	0	7460379	7200000	7799999
14	921450	2	5	85	1997	1083	0	8384742	7800000	8399999
15	59346	1	8	70	1385	0	0	8447168	8400000	8999999
16	1114810	2	5	65	1912	1351	0	9563363	9000000	9599999
17	93289	2	15	70	1823	1688	0	9659915	9600000	10199999
18	687660	1	8	50	1989	0	0	10351086	10200000	10799999
19	697032	2	6	55	1891	1960	0	11050107	10800000	11399999
20	631068	1	15	70	1907	0	0	11685026	11400000	11999999

Total number of pulses in waveform = 38  
\*\*\*\*\*

### Type 5 Radar Waveform\_13

Waveform Num = 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	378141	2	10	65	1625	1453	0	378141	0	631578
2	603295	2	12	70	1602	1306	0	984514	631579	1263157
3	666670	2	6	80	1538	1037	0	1654092	1263158	1894736
4	385268	3	18	80	1859	1928	1278	2041935	1894737	2526315
5	489956	1	14	95	1114	0	0	2535956	2526316	3157894
6	766962	2	18	100	1042	1784	0	3304032	3157895	3789473
7	786355	2	13	100	1905	1928	0	4093213	3789474	4421052
8	325517	1	15	85	1675	0	0	4422563	4421053	5052631
9	990297	3	18	90	1750	1192	1106	5414535	5052632	5684210
10	704873	3	6	60	1015	1492	1730	6123456	5684211	6315789
11	456038	3	9	60	1524	1113	1478	6583731	6315790	6947368
12	385018	1	8	70	1894	0	0	6972864	6947369	7578947
13	831726	3	14	55	1406	1858	1831	7806484	7578948	8210526
14	929864	1	18	100	1880	0	0	8741443	8210527	8842105
15	369700	3	16	75	1668	1435	1579	9113023	8842106	9473684
16	699651	3	10	65	1137	1942	1810	9817376	9473685	10105263
17	372922	3	15	75	1420	1474	1631	10195187	10105264	10736842
18	955603	3	12	55	1426	1752	1721	11155315	10736843	11368421
19	725253	1	15	70	1177	0	0	11885467	11368422	12000000

Total number of pulses in waveform = 42  
\*\*\*\*\*





### Type 5 Radar Waveform\_14

Waveform Num = 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	194271	1	19	80	1555	0	0	194271	0	599999
2	404984	2	7	80	1841	1021	0	600810	600000	1199999
3	834849	3	8	75	1888	1394	1218	1438521	1200000	1799999
4	873097	3	17	75	1148	1948	1812	2316118	1800000	2399999
5	368443	1	15	95	1328	0	0	2709269	2400000	2999999
6	482196	3	7	90	1587	1052	1965	3332668	3000000	3599999
7	589275	2	14	90	1778	1726	0	3799448	3600000	4199999
8	528334	2	9	60	1775	1045	0	4392227	4200000	4799999
9	777485	3	17	70	1281	1074	1458	4923381	4800000	5399999
10	777485	3	15	85	1037	1541	1428	5704679	5400000	5999999
11	773843	1	16	60	1804	0	0	6482328	6000000	6599999
12	642873	3	17	55	1987	1017	1775	7127005	6800000	7199999
13	581766	2	17	100	1322	1968	0	7713550	7200000	7799999
14	351085	2	7	50	1271	1592	0	8067925	7800000	8399999
15	152061	2	10	55	1800	1023	0	8985727	8400000	8999999
16	499594	3	15	95	1084	1721	1109	9140631	9000000	9599999
17	1067453	2	18	75	1794	1590	0	9644139	9600000	10199999
18	369334	3	14	65	1828	1310	1819	10714976	10200000	10799999
19	415568	3	8	90	1012	1105	1700	11089267	10800000	11399999
20	415568	3	9	75	1841	1180	1356	11508652	11400000	11999999

Total number of pulses in waveform = 47  
 \*\*\*\*\*

### Type 5 Radar Waveform\_15

Waveform Num = 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	607810	1	13	55	1584	0	0	607810	0	631578
2	291792	2	20	75	1073	1767	0	900986	631579	1263157
3	488931	2	5	55	1641	1765	0	1392757	1263158	1894736
4	864423	1	13	95	1474	0	0	2260586	1894737	2526315
5	711919	3	9	60	1861	1342	1088	2973979	2526316	3157894
6	680986	3	20	55	1396	1821	1704	3639256	3157895	3789473
7	219284	3	10	75	1418	1829	1019	3863461	3789474	4421052
8	618051	3	9	65	1401	1800	1159	4485778	4421053	5052631
9	1100141	3	14	100	1289	0	0	5590279	5052632	5684210
10	111145	3	20	95	1918	1644	1196	5702713	5684211	6315789
11	1151161	3	19	60	1716	1655	1009	6858632	6315790	6947368
12	236537	1	9	100	1010	0	0	7099549	6947369	7578947
13	1073627	1	17	55	1970	0	0	8174186	7578948	8210526
14	168259	3	15	85	1274	1919	1838	8344415	8210527	8842105
15	806300	2	20	80	1280	1477	0	9155746	8842106	9473684
16	742350	1	10	85	1695	0	0	9900853	9473685	10105263
17	542521	1	9	75	1466	0	0	10445269	10105264	10736842
18	798811	1	16	85	1338	0	0	11245546	10736843	11368421
19	539410	3	6	75	1055	1215	1775	11786294	11368422	12000000

Total number of pulses in waveform = 38  
 \*\*\*\*\*

### Type 5 Radar Waveform\_16

Waveform Num = 16  
 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	980581	3	6	50	1088	1358	1118	980581	0	1199999
2	235835	3	8	75	1851	1270	1853	1219980	1200000	2399999
3	2177912	2	7	50	1848	1662	0	3402866	2400000	3599999
4	1249700	2	15	100	1938	1666	0	4656076	3600000	4799999
5	1323824	3	15	75	1133	1577	1533	5983304	4800000	5999999
6	509315	1	6	50	1383	0	0	6496862	6000000	7199999
7	1311965	3	5	65	1115	1326	1948	7810210	7200000	8399999
8	1530375	3	17	80	1734	1361	1733	9344974	8400000	9599999
9	852233	1	8	90	1879	0	0	10202035	9600000	10799999
10	1390468	2	6	90	1590	1047	0	11594382	10800000	11999999

Total number of pulses in waveform = 23  
 \*\*\*\*\*



### Type 5 Radar Waveform\_17

Waveform Num = 17  
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	279663	3	10	90	1772	1424	1583	279663	0	631578
2	760460	3	8	50	1933	1276	1067	1044902	631579	1263157
3	690951	3	6	85	1254	1150	1253	1740131	1263158	1894736
4	606091	1	13	65	1869	0	0	2522092	1894737	2526315
5	36277	1	16	100	1471	0	0	3130052	2526316	3157894
6	942654	1	13	95	1830	0	0	3167800	3157895	3789473
7	617315	1	13	50	1855	0	0	4112284	3789474	4421052
8	352707	2	6	85	1110	1962	0	4731454	4421053	5052631
9	645323	2	13	85	1071	1155	0	5087233	5052632	5684210
10	916619	2	8	60	1427	1848	0	5734782	5684211	6315789
11	649494	3	11	80	1794	1710	1982	6654676	6315790	6947366
12	838641	2	5	85	1807	1810	0	7309656	6947369	7578947
13	413087	1	10	90	1207	0	0	8151914	7578948	8210526
14	520993	1	14	70	1603	0	0	8566208	8210527	8842105
15	812406	3	8	55	1309	1592	1359	9086804	8842106	9473664
16	769231	3	7	85	1954	1798	1887	9905470	9473665	10105263
17	251044	1	5	100	1569	0	0	10680340	10105264	10736842
18	762095	2	16	60	1235	1930	0	10932953	10736843	11368421
19	473463	3	6	75	1907	1853	1103	11698213	11368422	12000000

Total number of pulses in waveform = 38  
\*\*\*\*\*

### Type 5 Radar Waveform\_18

Waveform Num = 18  
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	674147	2	14	75	1276	1312	0	674147	0	1333332
2	1141180	2	14	100	1642	1853	0	1817917	1333333	2666665
3	1810835	1	7	50	1822	0	0	3632247	2666666	3999998
4	1054254	3	8	65	1438	1177	1315	4688323	3999999	5333331
5	763817	3	12	85	1639	1854	1506	5456070	5333332	6666664
6	1700046	2	8	80	1264	1824	0	7161115	6666665	7999997
7	2071844	1	13	75	1745	0	0	9236047	7999998	9333330
8	844919	1	6	95	1249	0	0	10082711	9333331	10666663
9	1512873	3	6	60	1210	1837	1775	11596833	10666664	11999996

Total number of pulses in waveform = 18  
\*\*\*\*\*

### Type 5 Radar Waveform\_19

Waveform Num = 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	253362	2	5	70	1418	1696	0	253362	0	999999
2	1714668	2	20	60	1065	1084	0	1971144	1000000	1999999
3	563762	1	5	70	1844	0	0	2537055	2000000	2999999
4	929140	1	13	60	1136	0	0	3468039	3000000	3999999
5	858415	2	14	50	1139	1580	0	4327590	4000000	4999999
6	1516394	2	10	85	1044	1616	0	5846703	5000000	5999999
7	966341	2	20	100	1521	1385	0	6815704	6000000	6999999
8	277773	1	10	80	1748	0	0	7096363	7000000	7999999
9	1542407	2	16	85	1758	1445	0	8640538	8000000	8999999
10	804465	3	8	70	1627	1043	1600	9448206	9000000	9999999
11	1181826	2	18	95	1776	1450	0	10634302	10000000	10999999
12	473463	1	11	80	1666	0	0	11110991	11000000	11999999

Total number of pulses in waveform = 21  
\*\*\*\*\*



### Type 5 Radar Waveform\_20

Waveform Num = 20  
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	427873	3	8	65	1679	1608	1316	427873	0	1090908
2	1677503	2	11	75	1474	1822	0	2109979	1090909	2181817
3	100195	2	13	55	1793	1557	0	2213470	2181818	3272726
4	1253479	1	18	85	1101	0	0	3470299	3272727	4363635
5	1272046	3	11	75	1833	1278	1400	4743446	4363636	5454544
6	840651	2	9	90	1440	1758	0	5588608	5454545	6545453
7	1561534	2	14	85	1824	1505	0	7153340	6545454	7636362
8	777911	1	18	55	1727	0	0	7934580	7636363	8727271
9	1729338	1	8	80	1042	0	0	9665645	8727272	9818180
10	922379	2	19	80	1273	1640	0	10589066	9818181	10909089
11	698275	3	7	55	1880	1789	1728	11290254	10909090	11999998

Total number of pulses in waveform = 22  
\*\*\*\*\*

### Type 5 Radar Waveform\_21

Waveform Num = 21  
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	13734	2	10	100	1735	1375	0	13734	0	857142
2	1471853	3	17	80	1457	1497	1163	1488697	857143	1714285
3	394978	2	10	60	1061	1385	0	1887792	1714286	2571428
4	1448546	1	11	85	1537	0	0	3338784	2571429	3428571
5	278989	3	15	50	1266	1529	1805	3619310	3428572	4285714
6	1014755	3	19	95	1761	1689	1712	4638665	4285715	5142857
7	1286379	2	16	90	1968	1771	0	5930206	5142858	6000000
8	316135	3	16	95	1654	1768	1144	6250080	6000001	6857143
9	1421321	3	19	65	1454	1443	1196	7675967	6857144	7714286
10	742705	1	10	80	1424	0	0	8422765	7714287	8571429
11	681670	3	16	50	1678	1455	1861	9105859	8571430	9428572
12	924762	3	12	85	1469	1322	1096	10035615	9428573	10285715
13	617467	1	20	85	1046	0	0	10656969	10285716	11142858
14	1291175	1	14	90	1870	0	0	11949190	11142859	12000001

Total number of pulses in waveform = 31  
\*\*\*\*\*

### Type 5 Radar Waveform\_22

Waveform Num = 22  
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	86256	1	5	90	1319	0	0	86256	0	631578
2	1111923	2	14	55	1720	1447	0	1201498	631579	1263157
3	404738	1	17	70	1432	0	0	1609403	1263158	1694736
4	499361	3	15	90	1554	1846	1307	2110196	1694737	2526315
5	1006781	3	9	95	1296	1973	1196	3121686	2526316	3157894
6	587088	3	10	60	1632	1790	1032	3713239	3157895	3769473
7	300794	3	8	65	1793	1230	1553	4018687	3769474	4421052
8	610866	2	12	95	1665	1134	0	4634131	4421053	5052631
9	1037079	1	8	90	1455	0	0	5674009	5052632	5684210
10	605119	2	15	70	1808	1079	0	6280583	5684211	6315789
11	123013	2	19	60	1531	1274	0	6406483	6315790	6947368
12	986575	3	10	50	1740	1085	1392	7375863	6947369	7578947
13	721365	2	20	95	1772	1705	0	8101425	7578948	8210526
14	295242	2	20	60	1066	1580	0	8400144	8210527	8842105
15	1085189	3	6	100	1460	1074	1170	9467979	8842106	9473684
16	559197	2	7	90	1851	1003	0	10030880	9473685	10105263
17	361252	3	17	75	1692	1819	1300	10394986	10105264	10736842
18	623558	2	5	60	1525	1471	0	11023355	10736843	11368421
19	514267	3	8	80	1929	1504	1001	11540638	11368422	12000000

Total number of pulses in waveform = 43  
\*\*\*\*\*



### Type 5 Radar Waveform\_23

Waveform Num = 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	433893	2	15	85	1991	1748	0	433893	0	923076
2	545494	3	8	85	1747	1856	1404	983126	923077	1846153
3	1280999	2	7	80	1894	1260	0	2269132	1846154	2769230
4	1076175	2	15	55	1685	1692	0	3348461	2769231	3692307
5	1226930	1	7	60	1617	0	0	4578768	3692308	4615384
6	609033	2	18	90	1290	1586	0	5189418	4615385	5538461
7	1107056	3	8	95	1704	1928	1232	6299350	5538462	6461538
8	789825	1	14	55	1795	0	0	7094039	6461539	7384615
9	962783	1	11	100	1272	0	0	8058617	7384616	8307692
10	1082596	1	12	85	1307	0	0	9142485	8307693	9230769
11	593984	2	19	75	1207	1849	0	9737776	9230770	10153846
12	483333	2	15	80	1210	1986	0	10224165	10153847	11076923
13	1035941	3	11	90	1225	1533	1031	11263302	11076924	12000000

Total number of pulses in waveform = 25  
\*\*\*\*\*

### Type 5 Radar Waveform\_24

Waveform Num = 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	1095879	3	11	95	1608	1517	1187	1095879	0	1199999
2	151982	3	19	60	1172	1923	1485	1252173	1200000	2399999
3	1421196	2	14	50	1521	1619	0	2677949	2400000	3599999
4	1850796	1	5	80	1984	0	0	4531885	3600000	4799999
5	280553	2	5	80	1597	1969	0	4614422	4800000	5999999
6	1320081	2	7	60	1502	1239	0	6138069	6000000	7199999
7	1867231	3	8	75	1524	1366	1025	8008041	7200000	8399999
8	1503294	1	12	90	1525	0	0	9515250	8400000	9599999
9	661785	1	19	80	1667	0	0	10178560	9600000	10799999
10	971513	3	17	80	1556	1166	1128	11151740	10800000	11999999

Total number of pulses in waveform = 21  
\*\*\*\*\*

### Type 5 Radar Waveform\_25

Waveform Num = 25  
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	150762	3	14	100	1158	1643	1348	150762	0	799999
2	934675	2	6	50	1254	1883	0	1089586	800000	1599999
3	907058	1	8	85	1758	0	0	1999781	1600000	2399999
4	637821	3	5	70	1277	1116	1558	2639360	2400000	3199999
5	857808	1	9	100	1074	0	0	3501117	3200000	3999999
6	1171611	2	5	60	1657	1792	0	4673802	4000000	4799999
7	646959	1	13	80	1274	0	0	5324210	4800000	5599999
8	468760	2	13	70	1462	1526	0	5794244	5600000	6399999
9	756433	1	17	75	1184	0	0	6553667	6400000	7199999
10	1316262	2	6	90	1248	1301	0	7871113	7200000	7999999
11	485947	2	6	75	1544	1818	0	8359609	8000000	8799999
12	536535	1	14	60	1859	0	0	8899506	8800000	9599999
13	1434170	1	20	65	1644	0	0	10335535	9600000	10399999
14	349820	3	17	70	1757	1364	1259	10686999	10400000	11199999
15	1044287	3	9	95	1568	1171	1923	11735666	11200000	11999999

Total number of pulses in waveform = 28  
\*\*\*\*\*



### Type 5 Radar Waveform\_26

Waveform Num = 26  
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	609397	3	14	50	1783	1428	1956	609397	0	923076
2	634859	2	17	85	1202	1742	0	1249423	923077	1846153
3	1358806	1	20	70	1686	0	0	2611173	1846154	2769230
4	290736	3	11	55	1050	1451	1028	2903595	2769231	3692307
5	1202843	3	6	90	1257	1644	1573	4109967	3692308	4615384
6	994622	3	9	75	1727	1535	1817	5109063	4615385	5538461
7	1275661	2	18	60	1432	1469	0	6389803	5538462	6461538
8	594838	1	15	50	1531	0	0	6987542	6461539	7384615
9	1063279	3	5	95	1257	1912	1408	8052352	7384616	8307692
10	1037425	3	9	85	1816	1840	1380	9094354	8307693	9230769
11	815343	1	15	50	1721	0	0	9914733	9230770	10153846
12	1115379	2	17	85	1977	1794	0	11031833	10153847	11076923
13	619631	2	15	55	1084	1749	0	11655235	11076924	12000000

Total number of pulses in waveform = 29  
\*\*\*\*\*

### Type 5 Radar Waveform\_27

Waveform Num = 27  
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	457552	2	6	70	1420	1332	0	457552	0	1090908
2	874441	3	18	85	1901	1304	1131	1334745	1090909	2181817
3	1761536	1	19	75	1923	0	0	3100617	2181818	3272726
4	395195	3	11	50	1252	1073	1106	3497735	3272727	4363635
5	1257374	1	9	50	1868	0	0	4758540	4363636	5454544
6	853333	3	15	100	1243	1006	1342	5613741	5454545	6545453
7	1274205	1	15	95	1533	0	0	6891537	6545454	7636362
8	1448045	3	14	85	1204	1797	1698	8341115	7636363	8727271
9	1178578	3	15	80	1746	1664	1685	9524392	8727272	9818180
10	1216170	3	8	95	1830	1939	1597	10745657	9818181	10909089
11	226977	3	11	55	1625	1542	1375	10978000	10909090	11999998

Total number of pulses in waveform = 26  
\*\*\*\*\*

### Type 5 Radar Waveform\_28

Waveform Num = 28  
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	538540	2	19	95	1194	1389	0	538540	0	799999
2	846747	1	20	65	1590	0	0	1387870	800000	1599999
3	591970	2	13	75	1380	1320	0	1981430	1600000	2399999
4	641657	3	15	55	1843	1854	1986	2625787	2400000	3199999
5	631007	3	20	65	1452	1306	1351	3462477	3200000	3999999
6	1079862	1	11	90	1797	0	0	4546448	4000000	4799999
7	328723	3	19	65	1828	1091	1004	4876968	4800000	5599999
8	1497125	2	14	100	1109	1476	0	6378016	5600000	6399999
9	162566	2	11	85	1098	1104	0	6543169	6400000	7199999
10	1221409	3	13	50	1900	1419	1963	7766780	7200000	7999999
11	943163	1	11	100	1026	0	0	8715225	8000000	8799999
12	803918	1	19	55	1598	0	0	9520169	8800000	9599999
13	461881	2	17	85	1252	1084	0	9983648	9600000	10399999
14	1149416	2	17	70	1565	1771	0	11135400	10400000	11199999
15	159800	2	19	50	1721	1732	0	11298536	11200000	11999999

Total number of pulses in waveform = 30  
\*\*\*\*\*



### Type 5 Radar Waveform\_29

Waveform Num = 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	491379	3	16	100	1308	1086	1525	491379	0	857142
2	476480	1	19	65	1573	0	0	971778	857143	1714285
3	1108505	3	14	60	1337	1013	1450	2081856	1714286	2571428
4	1241883	2	7	90	1317	1649	0	3327539	2571429	3428571
5	864974	3	9	90	1658	1164	1093	4195479	3428572	4285714
6	697982	3	6	75	1181	1939	1557	4897376	4285715	5142857
7	740278	1	11	70	1614	0	0	5642331	5142858	6000000
8	1069128	3	19	90	1187	1402	1467	6713073	6000001	6857143
9	232719	3	5	100	1578	1282	1737	6949848	6857144	7714286
10	1124349	2	19	65	1561	1077	0	8078794	7714287	8571429
11	1299271	3	12	75	1968	1300	1308	9380703	8571430	9428572
12	47731	3	9	90	1952	1392	1964	9433010	9428573	10285715
13	1394782	1	6	95	1434	0	0	10833100	10285716	11142858
14	930265	2	20	55	1132	1285	0	11764799	11142859	12000001

Total number of pulses in waveform = 33  
\*\*\*\*\*

### Type 5 Radar Waveform\_30

Waveform Num = 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	658774	2	7	95	1838	1077	0	658774	0	705881
2	269917	3	9	70	1487	1869	1222	951606	705882	1411763
3	489464	2	12	65	1641	1677	0	1445648	1411764	2117645
4	876625	3	20	85	1127	1436	1495	2325591	2117646	2823527
5	1134205	1	9	75	1861	0	0	3463654	2823528	3529409
6	374872	3	11	75	1153	1788	1901	3840587	3529410	4235291
7	858966	2	11	75	1572	1833	0	4704395	4235292	4941173
8	848563	1	11	50	1906	0	0	5563633	4941174	5647055
9	524638	1	8	65	1037	0	0	6082907	5647056	6352937
10	324411	1	12	75	1600	0	0	6408355	6352938	7058819
11	1316677	3	7	55	1573	1365	1408	7726632	7058820	7764701
12	127534	2	17	90	1954	1141	0	7858512	7764702	8470563
13	932466	1	19	65	1927	0	0	8794073	8470564	9176465
14	743704	2	11	70	1623	1627	0	9539704	9176466	9882347
15	456563	2	19	70	1611	1099	0	9999517	9882348	10588229
16	1032733	1	6	85	1776	0	0	11034960	10588230	11294111
17	399126	3	9	70	1735	1053	1387	11435862	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	5491	1	16	5491	1
2	5491	1	17	5491	1
3	5491	1	18	5491	1
4	5491	1	19	5491	1
5	5491	1	20	5491	1
6	5491	1	21	5491	1
7	5491	1	22	5491	1
8	5491	1	23	5491	1
9	5491	1	24	5491	1
10	5491	1	25	5491	1
11	5491	1	26	5491	1
12	5491	1	27	5491	1
13	5491	1	28	5491	1
14	5491	1	29	5491	1
15	5491	1	30	5491	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
40	5476	120	10	5465	30
42	5477	126	11	5485	33
48	5480	144	13	5489	39
49	5497	147	14	5477	42
59	5514	177	56	5487	168
60	5490	190	61	5478	183
61	5515	183	65	5508	195
67	5465	201	66	5504	198
70	5509	210	74	5466	222
88	5506	264	75	5480	225
--	--	--	99	5516	297



Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5492	3	12	5506	36
7	5515	21	16	5512	48
13	5521	39	19	5472	57
14	5461	42	20	5468	60
17	5503	51	26	5462	78
26	5500	78	29	5465	87
32	5519	96	34	5518	102
40	5473	120	46	5463	138
47	5464	141	57	5504	171
48	5476	144	62	5520	186
60	5482	180	69	5487	207
62	5517	186	75	5497	225
64	5520	192	84	5486	252
72	5496	216	92	5498	276
76	5506	228	--	--	--
78	5483	234	--	--	--
96	5480	288	--	--	--
97	5495	291	--	--	--

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5489	21	7	5463	21
19	5485	57	13	5482	39
20	5506	60	22	5492	66
33	5514	99	25	5501	75
55	5491	165	26	5511	78
64	5464	192	31	5474	93
72	5476	216	33	5491	99
77	5519	231	34	5504	102
95	5516	285	39	5466	117
--	--	--	40	5499	120
--	--	--	68	5521	204
--	--	--	75	5471	225
--	--	--	82	5517	246
--	--	--	85	5481	255
--	--	--	90	5508	270
--	--	--	91	5520	273

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5475	3	7	5499	21
12	5506	36	9	5493	27
13	5481	39	18	5513	54
15	5492	45	29	5505	87
27	5488	81	31	5480	93
38	5502	114	35	5511	105
41	5494	123	42	5483	126
42	5498	126	57	5514	171
58	5467	174	60	5501	180
59	5491	177	69	5515	207
60	5499	180	71	5474	213
69	5465	207	75	5503	225
76	5490	228	78	5462	234
98	5472	294	89	5507	267
--	--	--	91	5475	273

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5501	6	6	5467	18
4	5517	12	9	5516	27
8	5472	24	16	5473	48
21	5506	63	21	5480	63
25	5488	75	35	5490	105
26	5483	78	42	5503	126
40	5477	120	48	5488	144
41	5466	123	61	5505	183
43	5511	129	63	5461	189
45	5490	135	68	5494	204
57	5471	171	77	5465	231
80	5502	240	79	5491	237
98	5473	294	87	5520	261
--	--	--	91	5499	273
--	--	--	94	5515	282

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Frequency (MHz)	Hopping Number	Pulse Start (ms)
9	5508	27	9	5474	27
11	5461	33	16	5463	48
25	5465	75	22	5492	66
52	5485	156	25	5515	75
66	5472	198	27	5518	81
69	5521	207	36	5499	108
88	5490	264	37	5517	111
--	--	--	39	5508	117
--	--	--	45	5506	135
--	--	--	55	5513	165
--	--	--	58	5468	174
--	--	--	67	5512	201
--	--	--	68	5516	204
--	--	--	74	5479	222
--	--	--	80	5486	240
--	--	--	98	5482	294

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5472	21	0	5476	0
12	5482	36	11	5498	33
35	5519	105	21	5486	63
48	5510	144	42	5485	126
53	5491	159	54	5477	162
62	5502	186	55	5518	165
66	5479	198	56	5469	168
68	5493	204	59	5462	177
81	5508	243	61	5474	183
88	5500	264	65	5513	195
--	--	--	86	5514	258
--	--	--	88	5520	264
--	--	--	93	5479	279

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5510	12	1	5465	3
5	5484	15	2	5494	6
11	5516	33	12	5496	36
15	5470	45	15	5498	45
29	5485	87	20	5474	60
31	5489	93	33	5486	99
32	5493	96	34	5469	102
41	5517	123	39	5490	117
47	5496	141	57	5505	171
51	5491	153	67	5510	201
89	5473	267	69	5470	207
98	5494	294	79	5471	237
--	--	--	92	5516	276
--	--	--	95	5461	285
--	--	--	98	5477	294

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5475	21	4	5510	12
8	5499	24	14	5502	42
11	5503	33	25	5516	75
17	5483	51	27	5499	81
24	5472	72	35	5482	105
35	5504	105	41	5474	123
37	5511	111	43	5485	129
38	5502	114	48	5498	144
41	5495	123	56	5514	168
47	5470	141	59	5467	177
68	5506	204	68	5500	204
71	5465	213	74	5483	222
89	5461	267	85	5478	255
97	5474	291	87	5469	261
98	5512	294	89	5504	267
--	--	--	93	5463	279

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5512	21	4	5500	12
16	5474	48	23	5495	69
17	5521	51	31	5499	93
27	5475	81	44	5505	132
29	5517	87	50	5504	150
44	5507	132	53	5501	159
52	5493	156	60	5516	180
66	5496	198	88	5491	264
68	5466	204	91	5515	273
70	5468	210	97	5517	291
72	5485	216	--	--	--
79	5491	237	--	--	--
84	5510	252	--	--	--

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5504	21	0	5513	0
14	5481	42	3	5510	9
26	5521	78	31	5512	93
43	5511	129	32	5486	96
63	5505	189	33	5471	99
89	5497	267	34	5464	102
92	5517	276	36	5483	108
99	5500	297	45	5498	135
--	--	--	49	5497	147
--	--	--	53	5463	159
--	--	--	60	5514	180
--	--	--	68	5511	204
--	--	--	77	5492	231
--	--	--	80	5462	240
--	--	--	85	5482	255
--	--	--	86	5490	258
--	--	--	87	5520	261
--	--	--	94	5487	282

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5470	15	2	5511	6
10	5507	30	9	5484	27
12	5517	36	15	5472	45
14	5482	42	21	5474	63
19	5463	57	33	5487	99
20	5461	60	54	5482	162
37	5487	111	65	5490	195
44	5475	132	69	5505	207
55	5486	165	70	5476	210
56	5480	168	78	5463	234
75	5481	225	79	5498	237
79	5515	237	88	5464	264
80	5464	240	--	--	--
81	5516	243	--	--	--
86	5498	258	--	--	--
94	5466	282	--	--	--
96	5503	288	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5520	21	4	5516	12
8	5468	24	10	5481	30
9	5499	27	12	5508	36
11	5465	33	19	5482	57
12	5503	36	39	5476	117
27	5495	81	56	5470	168
36	5519	108	59	5486	177
38	5476	114	66	5510	198
47	5496	141	71	5485	213
62	5518	186	72	5515	216
77	5469	231	85	5474	255
83	5475	249	94	5517	282
88	5493	264	--	--	--



Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5496	9	5	5464	15
4	5473	12	12	5476	36
24	5512	72	17	5473	51
25	5493	75	21	5462	63
45	5465	135	38	5461	114
48	5500	144	40	5485	120
50	5515	150	45	5488	135
51	5463	153	46	5483	138
54	5510	162	47	5501	141
60	5516	180	65	5499	195
64	5479	192	66	5470	198
73	5503	219	69	5521	207
75	5501	225	91	5480	273
85	5462	255	97	5484	291
87	5470	261	99	5513	297

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
12	5485	36	0	5478	0
20	5510	60	1	5485	3
22	5505	66	3	5461	9
23	5491	69	13	5466	39
27	5500	81	25	5518	75
29	5469	87	34	5499	102
33	5498	99	40	5490	120
41	5517	123	54	5520	162
45	5499	135	61	5469	183
52	5516	156	75	5513	225
72	5518	216	77	5497	231
79	5467	237	83	5507	249
97	5490	291	94	5464	282
--	--	--	96	5474	288

## Radar Statistical Performance for 802.11n-HT40 channel 5510MHz

## Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5492	1	538	99	1
2	5492	1	778	68	1
3	5492	1	858	62	1
4	5492	1	898	59	1
5	5492	1	598	89	1
6	5492	1	758	70	1
7	5492	1	838	63	1
8	5492	1	818	65	1
9	5492	1	618	86	1
10	5492	1	518	102	1
11	5492	1	558	95	1
12	5492	1	918	58	1
13	5492	1	718	74	1
14	5492	1	698	76	1
15	5492	1	738	72	1
16	5492	1	2740	20	1
17	5492	1	650	82	1
18	5492	1	745	71	1
19	5492	1	2865	19	1
20	5492	1	1263	42	1
21	5492	1	627	85	1
22	5492	1	1367	39	1
23	5492	1	2947	18	1
24	5492	1	2333	23	1
25	5492	1	2602	21	1
26	5492	1	2223	24	1
27	5492	1	2216	24	1
28	5492	1	938	57	1
29	5492	1	3002	18	1
30	5492	1	1266	42	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	5509	4.6	188	27	1
2	5509	4.7	156	28	1
3	5509	2.2	224	24	1
4	5509	2.5	161	28	1
5	5509	3.5	155	28	1
6	5509	2.4	226	25	1
7	5509	3.5	189	24	1
8	5509	3.8	172	27	1
9	5509	1.3	229	24	1
10	5509	3.9	166	26	1
11	5509	3.7	182	23	1
12	5509	1.5	173	24	1
13	5509	4.0	203	25	1
14	5509	4.8	159	26	1
15	5509	2.6	216	25	1
16	5509	1.3	173	23	1
17	5509	4.8	195	23	1
18	5509	1.7	193	24	1
19	5509	2.2	190	28	1
20	5509	1.1	158	26	1
21	5509	3.9	215	24	1
22	5509	2.2	180	24	1
23	5509	3.9	198	24	1
24	5509	3.9	203	26	1
25	5509	1.4	179	25	1
26	5509	3.1	158	26	1
27	5509	4.3	197	26	1
28	5509	2.5	176	23	1
29	5509	4.9	190	29	1
30	5509	1.5	193	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	5529	8.5	257	17	1
2	5529	8.8	367	16	1
3	5529	6.2	320	18	1
4	5529	6.2	444	17	1
5	5529	6.9	466	18	1
6	5529	8.3	489	18	1
7	5529	6.6	322	18	1
8	5529	8.2	364	17	1
9	5529	7.0	494	17	1
10	5529	6.7	261	18	1
11	5529	8.1	459	16	1
12	5529	6.8	492	16	1
13	5529	9.8	254	16	1
14	5529	8.6	498	18	1
15	5529	9.0	414	18	1
16	5529	6.4	333	18	1
17	5529	7.5	436	17	1
18	5529	8.6	262	16	1
19	5529	6.8	369	17	1
20	5529	7.8	285	17	1
21	5529	9.0	463	17	1
22	5529	7.4	396	16	1
23	5529	7.7	351	18	1
24	5529	6.0	474	18	1
25	5529	8.8	465	17	1
26	5529	9.8	500	16	1
27	5529	6.1	411	17	1
28	5529	8.5	315	18	1
29	5529	8.4	257	16	1
30	5529	9.9	286	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	5491	14.8	290	15	1
2	5491	16.5	396	15	1
3	5491	15.4	360	13	1
4	5491	15.0	446	13	1
5	5491	16.9	376	13	1
6	5491	19.0	415	14	1
7	5491	16.3	319	12	1
8	5491	11.9	366	12	1
9	5491	13.9	493	13	1
10	5491	14.7	307	12	1
11	5491	18.9	278	13	1
12	5491	19.6	475	15	1
13	5491	18.0	260	14	1
14	5491	15.6	336	13	1
15	5491	17.8	261	14	1
16	5491	17.4	266	15	1
17	5491	12.7	436	13	1
18	5491	15.1	472	13	1
19	5491	16.2	265	15	1
20	5491	17.9	442	15	1
21	5491	15.5	437	12	1
22	5491	19.1	414	14	1
23	5491	14.9	309	15	1
24	5491	17.7	292	12	1
25	5491	18.7	264	16	1
26	5491	16.4	482	13	1
27	5491	15.2	256	14	1
28	5491	15.6	465	16	1
29	5491	18.7	300	16	1
30	5491	13.6	259	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	5495	1	16	5510	1
2	5496	1	17	5511	1
3	5497	1	18	5512	1
4	5498	1	19	5513	1
5	5499	1	20	5514	1
6	5500	1	21	5515	1
7	5501	1	22	5516	1
8	5502	1	23	5517	1
9	5503	1	24	5518	1
10	5504	1	25	5519	1
11	5505	1	26	5520	1
12	5506	1	27	5521	1
13	5507	1	28	5522	1
14	5508	1	29	5524	1
15	5509	1	30	5525	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1										
Waveform Num = 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	423362	1	12	70	1707	0	0	423362	0	857142
2	807582	3	18	95	1119	1225	1580	1232651	857143	1714285
3	986142	1	20	100	1708	0	0	2222717	1714286	2571428
4	364316	3	19	60	1451	1648	1806	2588741	2571429	3428571
5	1471176	2	6	90	1290	1536	0	4064822	3428572	4285714
6	255027	3	16	75	1361	1465	1399	4322675	4285715	5142857
7	995083	1	6	60	1675	0	0	5321983	5142858	6000000
8	1215119	3	5	50	1449	1487	1227	6538777	6000001	6857143
9	1042915	3	20	100	1479	1809	1594	7585855	6857144	7714286
10	204303	2	7	60	1817	1021	0	7795040	7714287	8571429
11	1315916	2	10	90	1044	1401	0	9113794	8571430	9428572
12	925541	1	6	70	1559	0	0	10041780	9428573	10285715
13	552501	3	15	60	1157	1935	1236	10595840	10285716	11142858
14	1362699	1	7	55	1606	0	0	11962867	11142859	12000001
Total number of pulses in waveform = 29										
*****										



### Type 5 Radar Waveform\_2

```

|
| Waveform Num = 2
| 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	998381	2	17	100	1689	1137	0	998381	0	1090908
2	608672	2	20	100	1792	1035	0	1609879	1090909	2181817
3	1424776	1	8	75	1237	0	0	3037482	2181818	3272726
4	934471	3	17	55	1116	1689	1955	3973190	3272727	4363635
5	836018	3	14	75	1215	1697	1324	4813968	4363636	5454544
6	1335924	2	5	70	1877	1245	0	6154128	5454545	6545453
7	1047245	3	6	60	1265	1620	1271	7204495	6545454	7636362
8	603104	2	12	55	1201	1286	0	7811755	7636363	8727271
9	1938707	2	18	95	1959	1332	0	9752949	8727272	9818180
10	787477	2	6	75	1216	1805	0	10543717	9818181	10909089
11	546607	2	16	95	1965	1410	0	11093345	10909090	11999998

Total number of pulses in waveform = 24  
\*\*\*\*\*

### Type 5 Radar Waveform\_3

```

|
| Waveform Num = 3
| 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	745060	3	16	95	1328	1425	1874	745060	0	999999
2	1079200	1	17	80	1625	0	0	1828887	1000000	1999999
3	382710	1	19	60	1839	0	0	2213222	2000000	2999999
4	1589707	1	18	80	1182	0	0	3604768	3000000	3999999
5	550559	2	8	50	1235	1046	0	4356509	4000000	4999999
6	874357	1	18	100	1505	0	0	5233147	5000000	5999999
7	822386	1	10	70	1438	0	0	6057038	6000000	6999999
8	1184456	2	17	100	1979	1785	0	7242932	7000000	7999999
9	975886	1	15	85	1536	0	0	8222562	8000000	8999999
10	915054	3	17	100	1476	1772	1903	9139172	9000000	9999999
11	1489252	2	13	85	1853	1094	0	10633575	10000000	10999999
12	1143621	2	10	95	1485	1518	0	11780143	11000000	11999999

Total number of pulses in waveform = 20  
\*\*\*\*\*

### Type 5 Radar Waveform\_4

```

|
| Waveform Num = 4
| 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	575631	1	11	60	1355	0	0	575631	0	799999
2	592223	2	20	100	1468	1888	0	1169209	800000	1599999
3	600260	1	20	70	1396	0	0	1772825	1600000	2399999
4	856426	2	16	65	1625	1693	0	2630647	2400000	3199999
5	1297266	3	10	80	1391	1197	1240	3931231	3200000	3999999
6	750790	3	14	75	1861	1926	1209	4685849	4000000	4799999
7	621388	2	18	70	1397	1684	0	5312233	4800000	5599999
8	476932	3	7	55	1264	1510	1758	5792246	5600000	6399999
9	791779	2	6	55	1071	1145	0	6588557	6400000	7199999
10	1404299	3	20	95	1292	1683	1404	7995072	7200000	7999999
11	703377	2	12	50	1418	1466	0	8702828	8000000	8799999
12	876215	1	9	95	1226	0	0	9581927	8800000	9599999
13	557753	2	17	90	1825	1859	0	10140906	9600000	10399999
14	1049563	2	20	80	1220	1608	0	11194153	10400000	11199999
15	252890	2	6	80	1487	1051	0	11449871	11200000	11999999

Total number of pulses in waveform = 31  
\*\*\*\*\*



### Type 5 Radar Waveform\_5

Waveform Num = 5  
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	823227	3	6	50	1264	1398	1050	823227	0	1333332
2	1498790	1	11	60	1043	0	0	2325729	1333333	2666665
3	459649	1	12	95	1413	0	0	2786421	2666666	3999998
4	1226260	1	14	90	1082	0	0	4014094	3999999	5333331
5	1511438	3	7	70	1097	1227	1448	5526614	5333332	6666664
6	1223141	2	8	100	1570	1677	0	6753527	6666665	7999997
7	1395870	3	13	60	1283	1575	1629	8152644	7999998	9333330
8	2061468	2	8	95	1226	1207	0	10218599	9333331	10666663
9	961993	1	19	55	1743	0	0	11183025	10666664	11999996

Total number of pulses in waveform = 17

\*\*\*\*\*

### Type 5 Radar Waveform\_6

Waveform Num = 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	827595	2	6	80	1385	1946	0	827595	0	1499999
2	1312109	1	5	65	1614	0	0	2143035	1500000	2999999
3	1521648	2	14	75	1260	1954	0	3666297	3000000	4499999
4	2044599	1	12	75	1341	0	0	5714110	4500000	5999999
5	1343642	3	10	80	1777	1441	1930	7059093	6000000	7499999
6	574833	2	13	70	1424	1620	0	7639074	7500000	8999999
7	2560170	3	10	70	1718	1561	1181	10202288	9000000	10499999
8	1578612	3	9	70	1915	1921	1060	11785360	10500000	11999999

Total number of pulses in waveform = 17

\*\*\*\*\*

### Type 5 Radar Waveform\_7

Waveform Num = 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	447652	1	12	85	1235	0	0	447652	0	857142
2	1017152	1	19	95	1679	0	0	1466039	857143	1714285
3	525035	3	13	70	1635	1936	1313	1992753	1714286	2571428
4	1138322	1	6	80	1547	0	0	3136159	2571429	3428571
5	383112	1	9	70	1785	0	0	3520818	3428572	4285714
6	913218	2	12	75	1064	1478	0	4435821	4285715	5142857
7	1104923	3	19	90	1994	1552	1751	5543286	5142858	6000000
8	1020957	2	5	55	1057	1606	0	6589540	6000001	6857143
9	761951	1	7	70	1636	0	0	7334154	6857144	7714286
10	396935	2	7	100	1233	1168	0	7732725	7714287	8571429
11	1363766	3	13	90	1144	1125	1449	9098892	8571430	9428572
12	534102	3	8	80	1354	1482	1237	9636712	9428573	10285715
13	1283796	2	18	60	1932	1375	0	10924581	10285716	11142858
14	524996	3	5	75	1907	1786	1876	11452884	11142859	12000001

Total number of pulses in waveform = 28

\*\*\*\*\*





### Type 5 Radar Waveform\_8

Waveform Num = 8  
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	741853	1	5	90	1199	0	0	741853	0	1199999
2	1116557	3	7	95	1498	1804	1140	1859609	1200000	2399999
3	1612561	2	18	55	1158	1780	0	3476612	2400000	3599999
4	429149	2	18	80	1776	1023	0	3908699	3600000	4799999
5	921716	1	18	100	1632	0	0	4833214	4800000	5999999
6	2180046	3	5	80	1538	1494	1138	7014894	6000000	7199999
7	329007	1	9	80	1344	0	0	7348071	7200000	8399999
8	2038544	2	10	75	1657	1993	0	9387959	8400000	9599999
9	1310516	3	19	75	1555	1226	1216	10702127	9600000	10799999
10	998458	3	17	90	1092	1054	1470	11704582	10800000	11999999

Total number of pulses in waveform = 21  
\*\*\*\*\*

### Type 5 Radar Waveform\_9

Waveform Num = 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	685267	2	8	90	1507	1313	0	685267	0	999999
2	696851	2	9	85	1334	1352	0	1384938	1000000	1999999
3	1315290	3	11	50	1845	1077	1820	2702914	2000000	2999999
4	735708	2	8	55	1548	1803	0	3443364	3000000	3999999
5	804437	2	19	85	1308	1006	0	4251152	4000000	4999999
6	1401279	1	9	70	1323	0	0	5654745	5000000	5999999
7	552421	1	15	90	1644	0	0	6208489	6000000	6999999
8	1496854	1	20	95	1898	0	0	7706987	7000000	7999999
9	1114521	3	20	65	1430	1025	1982	8823406	8000000	8999999
10	667295	2	6	80	1795	1528	0	9495138	9000000	9999999
11	1242369	3	10	85	1895	1026	1483	10740830	10000000	10999999
12	807128	2	9	85	1513	1514	0	11552362	11000000	11999999

Total number of pulses in waveform = 24  
\*\*\*\*\*

### Type 5 Radar Waveform\_10

Waveform Num = 10  
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	505004	3	12	70	1027	1760	1262	505004	0	1499999
2	2074969	1	5	75	1988	0	0	2584042	1500000	2999999
3	1423825	3	15	55	1206	1701	1755	4009855	3000000	4499999
4	1906715	2	20	100	1333	1822	0	5921232	4500000	5999999
5	754966	1	6	60	1656	0	0	6679353	6000000	7499999
6	1652334	2	10	85	1544	1833	0	8333343	7500000	8999999
7	1788171	3	9	100	1503	1202	1572	10124891	9000000	10499999
8	629289	1	15	50	1883	0	0	10758457	10500000	11999999

Total number of pulses in waveform = 16  
\*\*\*\*\*



### Type 5 Radar Waveform\_11

Waveform Num = 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	358363	2	8	90	1579	1329	0	358363	0	631578
2	653146	1	19	55	1985	0	0	1014417	631579	1263157
3	544303	2	10	75	1028	1849	0	1560705	1263158	1894736
4	841192	1	5	65	1056	0	0	2204774	1894737	2526315
5	354823	1	5	100	1864	0	0	2560553	2526316	3157894
6	913581	1	18	85	1085	0	0	3476098	3157895	3789473
7	457153	1	18	55	1110	0	0	3934336	3789474	4421052
8	764193	2	9	80	1200	1782	0	4699639	4421053	5052631
9	852743	2	20	70	1712	1269	0	5555364	5052632	5684210
10	671421	1	13	95	1979	0	0	6229766	5684211	6315789
11	376540	3	20	65	1417	1747	1897	6608285	6315790	6947368
12	832621	2	16	90	1888	1110	0	7446167	6947369	7578947
13	564460	3	15	90	1775	1064	1955	8013625	7578948	8210526
14	228856	1	17	65	1565	0	0	8242725	8210527	8842105
15	773910	3	14	70	1778	1517	1970	9022750	8842108	9473684
16	596139	1	18	55	1788	0	0	9624154	9473685	10105263
17	789189	2	17	60	1099	1905	0	10415131	10105264	10736842
18	941363	2	14	75	1718	1707	0	11359498	10736843	11368421
19	216378	2	20	55	1623	1271	0	11579301	11368422	12000000

Total number of pulses in waveform = 33  
\*\*\*\*\*

### Type 5 Radar Waveform\_12

Waveform Num = 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	534399	3	18	100	1264	1363	1073	534399	0	1499999
2	2013078	3	17	90	1898	1659	1917	2551177	1500000	2999999
3	1106845	1	10	65	1638	0	0	3663496	3000000	4499999
4	1088510	1	18	85	1382	0	0	4753644	4500000	5999999
5	1627740	1	19	80	1052	0	0	6382766	6000000	7499999
6	2479397	1	13	50	1364	0	0	8863215	7500000	8999999
7	1268707	1	18	85	1063	0	0	10133286	9000000	10499999
8	881928	2	20	55	1811	1217	0	11016277	10500000	11999999

Total number of pulses in waveform = 13  
\*\*\*\*\*

### Type 5 Radar Waveform\_13

Waveform Num = 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	83272	1	8	75	1408	0	0	83272	0	857142
2	955885	1	5	50	1373	0	0	1040565	857143	1714285
3	1478907	1	15	100	1399	0	0	2520845	1714286	2571428
4	192066	3	18	75	1064	1782	1550	2714310	2571429	3428571
5	1038531	2	8	70	1285	1155	0	3757237	3428572	4285714
6	1032426	2	18	65	1696	1733	0	4792103	4285715	5142857
7	617716	1	18	80	1637	0	0	5413248	5142858	6000000
8	1177196	1	8	75	1006	0	0	6592081	6000001	6857143
9	945572	1	6	65	1320	0	0	7538659	6857144	7714286
10	512584	2	11	70	1531	1711	0	8052563	7714287	8571429
11	792204	3	10	95	1263	1593	1391	8648009	8571430	9428572
12	1160930	2	10	60	1724	1530	0	10013186	9428573	10285715
13	982156	3	16	95	1484	1762	1834	10998596	10285716	11142858
14	669110	2	15	100	1507	1564	0	11672786	11142859	12000001

Total number of pulses in waveform = 25  
\*\*\*\*\*



### Type 5 Radar Waveform\_14

Waveform Num = 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	1152078	1	8	70	1156	0	0	1152078	0	1199999
2	603519	2	15	85	1742	1363	0	1756753	1200000	2399999
3	1341302	3	6	55	1949	1153	1735	3101160	2400000	3599999
4	1116582	3	6	75	1242	1714	1291	4222579	3600000	4799999
5	1210573	1	18	95	1263	0	0	5437399	4800000	5999999
6	955345	1	11	80	1021	0	0	6394007	6000000	7199999
7	845597	2	12	95	1840	1017	0	7240625	7200000	8399999
8	1957296	2	19	100	1170	1561	0	9200778	8400000	9599999
9	514006	1	20	85	1896	0	0	9717515	9600000	10799999
10	2161240	3	5	100	1216	1191	1782	11880651	10800000	11999999

Total number of pulses in waveform = 19  
\*\*\*\*\*

### Type 5 Radar Waveform\_15

Waveform Num = 15  
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	82610	3	13	50	1791	1698	1077	62610	0	799999
2	1134753	2	16	70	1386	1786	0	1201929	800000	1599999
3	1040508	3	6	70	1506	1135	1204	2245609	1600000	2399999
4	679586	2	7	70	1306	1536	0	2929040	2400000	3199999
5	317206	1	7	60	1096	0	0	3249088	3200000	3999999
6	918802	3	17	70	1751	1868	1226	4168986	4000000	4799999
7	1390347	2	13	85	1694	1792	0	5564178	4800000	5599999
8	809275	3	11	80	1719	1273	1021	6377139	5600000	6399999
9	275031	1	8	70	1818	0	0	6656183	6400000	7199999
10	758827	1	17	95	1472	0	0	7416828	7200000	7999999
11	817879	3	19	90	1639	1739	1385	8236179	8000000	8799999
12	994726	3	5	60	1221	1381	1348	9235666	8800000	9599999
13	1055728	2	16	70	1361	1470	0	10295346	9600000	10399999
14	659755	2	16	95	1252	1808	0	10957932	10400000	11199999
15	571446	1	19	90	1284	0	0	11532438	11200000	11999999

Total number of pulses in waveform = 32  
\*\*\*\*\*

### Type 5 Radar Waveform\_16

Waveform Num = 16  
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	387096	2	15	85	1235	1656	0	387096	0	749999
2	954447	1	6	90	1669	0	0	1344434	750000	1499999
3	474142	2	13	100	1360	1202	0	1820245	1500000	2249999
4	760235	3	14	50	1371	1621	1193	2583042	2250000	2999999
5	596375	3	5	85	1133	1767	1267	3185602	3000000	3749999
6	1294369	3	19	90	1070	1274	1653	4484138	3750000	4499999
7	587249	3	9	80	1786	1661	1288	5075564	4500000	5249999
8	757400	3	17	80	1553	1705	1802	5837739	5250000	5999999
9	313092	1	10	70	1396	0	0	6155891	6000000	6749999
10	612074	1	14	85	1762	0	0	6769361	6750000	7499999
11	1247735	3	5	55	1318	1705	1848	8018858	7500000	8249999
12	429992	3	11	90	1777	1997	1533	8453721	8250000	8999999
13	1084089	1	12	65	1709	0	0	9543117	9000000	9749999
14	894786	2	20	100	1972	1431	0	10439612	9750000	10499999
15	796691	3	11	65	1729	1049	1771	11239706	10500000	11249999
16	633306	3	14	75	1700	1986	1737	11877561	11250000	11999999

Total number of pulses in waveform = 37  
\*\*\*\*\*



### Type 5 Radar Waveform\_17

Waveform Num = 17  
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	708192	1	7	85	1452	0	0	438572	0	705881
2	708192	2	8	55	1033	1992	0	1148216	705882	1411763
3	709434	2	14	80	1791	1250	0	1860675	1411764	2117645
4	320625	1	20	100	1968	0	0	2184341	2117646	2823527
5	1135116	2	6	55	1408	1489	0	3321425	2823528	3529409
6	829510	2	12	60	1190	1266	0	4153832	3529410	4235291
7	155930	2	18	70	1440	1667	0	4312218	4235292	4941173
8	629044	1	6	60	1592	0	0	4944369	4941174	5647055
9	1308846	2	14	90	1215	1763	0	6254807	5647056	6352937
10	124558	3	7	90	1828	1155	1376	6382343	6352938	7058819
11	1211912	1	12	50	1712	0	0	7598614	7058820	7764701
12	726387	2	20	60	1990	1467	0	8326713	7764702	8470583
13	795653	2	17	65	1553	1329	0	9125823	8470584	9176465
14	180961	3	5	90	1827	1255	1284	9309666	9176466	9682347
15	912985	3	5	55	1038	1761	1039	10227017	9682348	10588229
16	427274	2	6	55	1033	1122	0	10658149	10588230	11294111
17	926426	3	7	80	1828	1789	1321	11586730	11294112	11999993

Total number of pulses in waveform = 34  
\*\*\*\*\*

### Type 5 Radar Waveform\_18

Waveform Num = 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	404699	2	6	55	1113	1101	0	404699	0	1090908
2	1052463	3	20	70	1786	1680	1227	1459376	1090909	2181817
3	1570661	2	18	95	1514	1880	0	3034730	2181818	3272726
4	1190574	1	16	70	1108	0	0	4228698	3272727	4363635
5	280586	1	11	100	1403	0	0	4510392	4363636	5454544
6	1450254	1	18	50	1311	0	0	5962049	5454545	6545453
7	1642683	1	7	85	1598	0	0	7606043	6545454	7636362
8	88707	3	10	100	1400	1661	1251	7696348	7636363	8727271
9	1869507	3	5	65	1704	1508	1495	9570167	8727272	9818180
10	1213758	3	14	70	1521	1391	1161	10788632	9818181	10909089
11	328770	1	12	90	1208	0	0	11121475	10909090	11999998

Total number of pulses in waveform = 21  
\*\*\*\*\*

### Type 5 Radar Waveform\_19

Waveform Num = 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	395837	3	15	70	1910	1954	1220	395837	0	599999
2	449566	1	13	85	1021	0	0	850487	600000	1199999
3	522213	3	11	100	1426	1601	1436	1373721	1200000	1799999
4	743495	1	10	55	1770	0	0	2121679	1800000	2399999
5	593238	1	9	90	1549	0	0	2716687	2400000	2999999
6	334316	2	8	95	1499	1790	0	3052552	3000000	3599999
7	952810	2	19	60	1763	1440	0	4008651	3600000	4199999
8	780461	1	17	100	1466	0	0	4792315	4200000	4799999
9	557144	3	8	95	1468	1473	1961	5350925	4800000	5399999
10	503505	3	15	100	1496	1644	1490	5859332	5400000	5999999
11	428620	2	9	90	1526	1443	0	6292582	6000000	6599999
12	528559	2	9	95	1752	1686	0	6624110	6600000	7199999
13	750257	3	11	70	1215	1433	1088	7577805	7200000	7799999
14	699508	1	5	55	1021	0	0	8241049	7800000	8399999
15	169291	1	13	70	1135	0	0	8411361	8400000	8999999
16	814648	1	10	95	1910	0	0	9227144	9000000	9599999
17	385401	2	16	95	1896	1820	0	9614455	9600000	10199999
18	674490	2	11	75	1992	1050	0	10292661	10200000	10799999
19	572087	2	13	70	1358	1070	0	10867790	10800000	11399999
20	895959	2	14	75	1063	1325	0	11766177	11400000	11999999

Total number of pulses in waveform = 38  
\*\*\*\*\*



### Type 5 Radar Waveform\_20

Waveform Num = 20  
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	657018	2	6	90	1174	1332	0	657018	0	749999
2	94672	2	20	85	1011	1869	0	754196	750000	1499999
3	746924	1	20	100	1076	0	0	1504000	1500000	2249999
4	1295730	2	13	80	1672	1474	0	2800806	2250000	2999999
5	679535	2	18	60	1007	1361	0	3483487	3000000	3749999
6	601106	2	13	90	1079	1036	0	4066981	3750000	4499999
7	662760	3	16	100	1231	1989	1743	4751856	4500000	5249999
8	691745	1	8	100	1843	0	0	5448564	5250000	5999999
9	786955	2	13	80	1274	1954	0	6237362	6000000	6749999
10	729877	3	5	55	1213	1806	1128	6970467	6750000	7499999
11	749085	1	18	75	1029	0	0	7723699	7500000	8249999
12	736706	1	16	70	1475	0	0	8461434	8250000	8999999
13	865917	2	14	70	1273	1899	0	9348826	9000000	9749999
14	900208	1	5	95	1908	0	0	10252206	9750000	10499999
15	292245	3	11	80	1507	1052	1756	10546359	10500000	11249999
16	843705	2	15	90	1954	1528	0	11394379	11250000	11999999

Total number of pulses in waveform = 30  
\*\*\*\*\*

### Type 5 Radar Waveform\_21

Waveform Num = 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	379559	3	10	70	1185	1178	1764	379559	0	1499999
2	2378972	1	11	65	1423	0	0	2762658	1500000	2999999
3	622334	2	15	90	1594	1442	0	3386415	3000000	4499999
4	1429694	2	6	70	1422	1270	0	4619145	4500000	5999999
5	2565677	2	16	65	1871	1540	0	7387514	6000000	7499999
6	1602179	2	15	100	1691	1528	0	8993104	7500000	8999999
7	1461804	1	5	75	1496	0	0	10458127	9000000	10499999
8	1355464	2	8	75	1450	1002	0	11815087	10500000	11999999

Total number of pulses in waveform = 15  
\*\*\*\*\*

### Type 5 Radar Waveform\_22

Waveform Num = 22  
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	917243	2	16	85	1744	1135	0	917243	0	923076
2	853630	1	8	85	1981	0	0	1773752	923077	1846153
3	593393	2	19	95	1405	1726	0	2369126	1846154	2769230
4	1265287	1	8	65	1912	0	0	3637544	2769231	3692307
5	344420	2	15	95	1503	1672	0	3983876	3692308	4615384
6	1532720	2	20	95	1159	1640	0	5519771	4615385	5538461
7	369262	2	9	60	1630	1760	0	5911832	5538462	6461538
8	980758	3	10	80	1381	1593	1023	6695980	6461539	7384615
9	923382	1	17	85	1735	0	0	7823359	7384616	8307692
10	980754	2	6	80	1908	1007	0	8805848	8307693	9230769
11	504887	2	16	75	1245	1639	0	9313650	9230770	10153846
12	1665624	1	17	50	1048	0	0	10982158	10153847	11076923
13	666235	3	9	95	1398	1533	1910	11649441	11076924	12000000

Total number of pulses in waveform = 24  
\*\*\*\*\*



### Type 5 Radar Waveform\_23

Waveform Num = 23  
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	697472	2	20	65	1830	1377	0	697472	0	1499999
2	2191361	1	12	95	1805	0	0	2892040	1500000	2999999
3	943782	1	19	50	1332	0	0	3837627	3000000	4499999
4	778785	2	19	80	1542	1372	0	4617744	4500000	5999999
5	1839884	2	17	95	1388	1711	0	6460542	6000000	7499999
6	1196441	2	18	55	1909	1610	0	7660082	7500000	8999999
7	2820092	1	14	85	1940	0	0	10483693	9000000	10499999
8	368046	2	5	65	1324	1433	0	10853679	10500000	11999999

Total number of pulses in waveform = 13  
\*\*\*\*\*

### Type 5 Radar Waveform\_24

Waveform Num = 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	183655	1	15	60	1692	0	0	183655	0	923076
2	1538356	1	14	65	1226	0	0	1723703	923077	1846153
3	621318	1	6	95	1245	0	0	2346247	1846154	2769230
4	1015564	1	14	75	1262	0	0	3363056	2769231	3692307
5	660950	3	10	55	1555	1065	1425	4025268	3692308	4615384
6	951425	2	16	85	1841	1153	0	4980738	4615385	5538461
7	1396419	2	6	65	1244	1191	0	6380151	5538462	6461538
8	506353	3	8	80	1926	1488	1368	6888939	6461539	7384615
9	1367797	2	14	70	1453	1652	0	8261518	7384616	8307692
10	694564	2	16	50	1623	1584	0	8959187	8307693	9230769
11	346246	1	6	60	1104	0	0	9308640	9230770	10153846
12	849038	1	15	55	1078	0	0	10158782	10153847	11076923
13	1208619	2	8	80	1743	1302	0	11368479	11076924	12000000

Total number of pulses in waveform = 22  
\*\*\*\*\*

### Type 5 Radar Waveform\_25

Waveform Num = 25  
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	552910	3	16	65	1307	1157	1171	552910	0	631578
2	76117	1	19	100	1384	0	0	632662	631579	1263157
3	734668	3	5	60	1117	1836	1563	1368714	1263158	1894736
4	1135235	3	6	50	1729	1821	1460	2508465	1894737	2526315
5	237668	2	7	70	1632	1243	0	2751143	2526316	3157894
6	596758	1	17	70	1323	0	0	3350776	3157895	3789473
7	480069	1	17	55	1910	0	0	3632166	3789474	4421052
8	808883	3	18	75	1851	1037	1625	4642961	4421053	5052631
9	674967	3	14	65	1386	1314	1959	5322441	5052632	5684210
10	457739	3	18	95	1302	1308	1614	5784639	5684211	6315789
11	622505	1	15	80	1612	0	0	6411768	6315790	6947368
12	950298	1	19	75	1004	0	0	7363678	6947369	7578947
13	791761	1	18	50	1321	0	0	8156463	7578948	8210526
14	248099	2	16	70	1737	1635	0	8405883	8210527	8842105
15	845890	1	11	90	1575	0	0	9255145	8842106	9473684
16	722832	1	13	95	1344	0	0	9979552	9473685	10105263
17	325657	3	18	60	1660	1018	1700	10306553	10105264	10736842
18	431794	2	13	50	1945	1843	0	10742725	10736843	11368421
19	1182132	2	11	70	1913	1723	0	11928645	11368422	12000000

Total number of pulses in waveform = 37  
\*\*\*\*\*



### Type 5 Radar Waveform\_26

```

Waveform Num = 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	49421	3	10	80	1692	1141	1934	49421	0	666666
2	1006108	1	8	75	1389	0	0	1060296	666667	1333333
3	846324	3	14	55	1891	1838	1714	1908009	1333334	2000000
4	318675	1	5	85	1824	0	0	2232127	2000001	2666667
5	811031	1	16	60	1800	0	0	3044982	2666668	3333334
6	863035	3	7	70	1070	1494	1093	3909617	3333335	4000001
7	427903	1	15	95	1406	0	0	4341177	4000002	4666668
8	954822	2	12	50	1659	1260	0	5297405	4666669	5333335
9	387821	2	20	75	1642	1334	0	5688145	5333336	6000002
10	827748	3	10	90	1561	1825	1195	6518869	6000003	6666669
11	745717	2	10	65	1830	1230	0	7269167	6666670	7333336
12	630468	1	15	90	1325	0	0	7902695	7333337	8000003
13	759936	1	12	95	1734	0	0	8663956	8000004	8666670
14	443247	1	7	65	1861	0	0	9108937	8666671	9333337
15	652826	1	14	55	1225	0	0	9763624	9333338	10000004
16	627747	1	6	85	1196	0	0	10382596	10000005	10666671
17	696696	1	6	70	1424	0	0	11090668	10666672	11333338
18	529343	2	12	50	1215	1273	0	11621455	11333339	12000005

Total number of pulses in waveform = 30  
\*\*\*\*\*

### Type 5 Radar Waveform\_27

```

Waveform Num = 27
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	268843	2	18	70	1187	1481	0	268843	0	631578
2	550141	2	19	85	1936	1162	0	821632	631579	1263157
3	801846	2	20	95	1412	1213	0	1626576	1263158	1894736
4	424196	2	17	100	1175	1771	1240	2053397	1894737	2526315
5	502453	2	7	60	1954	1395	0	2560036	2526316	3157894
6	928194	1	9	70	1273	0	0	3491579	3157895	3789473
7	664799	3	14	55	1892	1708	1800	4157651	3789474	4421052
8	845328	3	17	50	1023	1551	1612	5008379	4421053	5052631
9	279092	1	5	60	1551	0	0	5291657	5052632	5684210
10	797169	1	20	65	1053	0	0	6090377	5684211	6315789
11	726957	2	9	70	1842	1365	0	6818387	6315790	6947368
12	242053	1	20	100	1061	0	0	7063647	6947369	7578947
13	1065188	3	9	65	1420	1672	1065	8129896	7578948	8210526
14	322405	1	7	95	1041	0	0	8456458	8210527	8842105
15	443762	2	5	75	1641	1461	0	8901261	8842106	9473684
16	821183	2	17	85	1359	1729	0	9725546	9473685	10105263
17	571507	3	15	100	1026	1791	1399	10300141	10105264	10736842
18	789910	1	10	50	1402	0	0	11093267	10736843	11368421
19	854697	3	16	50	1602	1024	1570	11949366	11368422	12000000

Total number of pulses in waveform = 38  
\*\*\*\*\*

### Type 5 Radar Waveform\_28

```

Waveform Num = 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	513057	2	7	55	1328	1332	0	513057	0	749999
2	898617	3	18	55	1788	1609	1262	1414334	750000	1499999
3	278758	2	5	70	1623	1824	0	1697751	1500000	2249999
4	1194050	2	5	90	1736	1034	0	2895248	2250000	2999999
5	540504	2	8	55	1081	1541	0	3438522	3000000	3749999
6	544390	3	16	65	1368	1091	1562	3985534	3750000	4499999
7	1237420	3	9	80	1889	1707	1768	5226995	4500000	5249999
8	19426	2	15	60	1046	1899	0	5251785	5250000	5999999
9	685809	2	5	95	1450	1909	0	6140539	6000000	6749999
10	1063736	2	8	80	1297	1709	0	7227634	6750000	7499999
11	1000153	1	8	95	1985	0	0	8230793	7500000	8249999
12	157155	3	13	70	1551	1829	1945	8389933	8250000	8999999
13	1299526	2	5	85	1366	1995	0	9694784	9000000	9749999
14	100170	3	11	80	1267	1418	1154	9798315	9750000	10499999
15	1304660	3	17	65	1932	1360	1586	11106814	10500000	11249999
16	430090	1	9	90	1509	0	0	11541782	11250000	11999999

Total number of pulses in waveform = 36  
\*\*\*\*\*



### Type 5 Radar Waveform\_29

```

|
| Waveform Num = 29
| 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	788448	3	12	55	1999	1063	1951	788448	0	1090908
2	542235	1	11	90	1848	0	0	1335696	1090909	2181817
3	1843809	2	11	75	1638	1902	0	3181153	2181818	3272726
4	471650	1	15	95	1281	0	0	3656343	3272727	4363635
5	751720	1	7	90	1838	0	0	4409344	4363636	5454544
6	1264532	2	19	90	1538	1170	0	5675714	5454545	6545453
7	1895137	1	18	95	1728	0	0	7573559	6545454	7638362
8	1102241	3	9	70	1313	1462	1783	8677528	7638363	8727271
9	852339	3	13	95	1692	1580	1987	9534425	8727272	9818180
10	844861	3	11	80	1993	1676	1264	10384545	9818181	10909089
11	1570257	3	19	65	1546	1523	1013	11959735	10909090	11999988

Total number of pulses in waveform = 23  
\*\*\*\*\*

### Type 5 Radar Waveform\_30

```

|
| Waveform Num = 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	298586	2	17	70	1160	1454	0	298586	0	749999
2	1155769	3	20	85	1971	1205	1472	1458969	750000	1499999
3	461263	1	12	90	1177	0	0	1922880	1500000	2249999
4	654886	1	16	80	1618	0	0	2578943	2250000	2999999
5	1035861	3	12	100	1143	1586	1828	3616422	3000000	3749999
6	530026	2	8	80	1887	1238	0	4151005	3750000	4499999
7	993409	3	7	75	1964	1268	1537	5147539	4500000	5249999
8	447356	2	11	100	1302	1449	0	5599664	5250000	5999999
9	1060776	2	20	90	1377	1996	0	6663191	6000000	6749999
10	145510	3	20	95	1434	1755	1199	6812074	6750000	7499999
11	702753	2	7	90	1251	1443	0	7519215	7500000	8249999
12	831220	3	11	95	1095	1718	1651	8353129	8250000	8999999
13	960716	3	18	55	1195	1216	1824	9318309	9000000	9749999
14	428402	1	19	70	1902	0	0	9750946	9750000	10499999
15	1306026	1	19	80	1533	0	0	11058874	10500000	11249999
16	516111	2	9	55	1806	1105	0	11576518	11250000	11999999

Total number of pulses in waveform = 34  
\*\*\*\*\*



## 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	5529	1	16	5529	1
2	5529	1	17	5529	1
3	5529	1	18	5529	1
4	5529	1	19	5529	1
5	5529	1	20	5529	1
6	5529	1	21	5529	1
7	5529	1	22	5529	1
8	5529	1	23	5529	1
9	5529	1	24	5529	1
10	5529	1	25	5529	1
11	5529	1	26	5529	1
12	5529	1	27	5529	1
13	5529	1	28	5529	1
14	5529	1	29	5529	1
15	5529	1	30	5529	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
8	5531	24	7	5500	21
12	5557	36	18	5536	54
15	5533	45	27	5533	81
18	5528	54	38	5534	114
19	5504	57	44	5515	132
29	5505	87	46	5549	138
34	5523	102	53	5538	159
66	5512	198	56	5517	168
69	5534	207	57	5512	171
82	5526	246	81	5551	243
86	5530	258	82	5556	246
90	5510	270	84	5509	252
94	5502	282	97	5511	291
98	5532	294	--	--	--

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
23	5536	69	14	5542	42
25	5554	75	27	5514	81
27	5532	81	29	5506	87
29	5503	87	49	5537	147
53	5556	159	55	5516	165
63	5526	189	62	5512	186
67	5499	201	66	5539	198
68	5534	204	81	5499	243
78	5500	234	84	5549	252
79	5555	237	95	5551	285
80	5535	240	98	5541	294
94	5504	282	--	--	--
97	5551	291	--	--	--

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
23	5554	69	2	5547	6
29	5511	87	6	5542	18
38	5550	114	7	5529	21
62	5540	186	17	5503	51
65	5535	195	35	5544	105
66	5537	198	47	5510	141
76	5529	228	48	5523	144
91	5525	273	55	5527	165
97	5500	291	56	5518	168
99	5558	297	61	5541	183
--	--	--	69	5520	207
--	--	--	71	5525	213
--	--	--	74	5540	222
--	--	--	77	5528	231
--	--	--	80	5551	240
--	--	--	86	5512	258
--	--	--	91	5519	273
--	--	--	95	5536	285
--	--	--	96	5531	288

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5545	6	0	5518	0
3	5549	9	7	5500	21
13	5538	39	10	5522	30
19	5511	57	19	5503	57
26	5500	78	22	5512	66
29	5507	87	33	5552	99
42	5542	126	34	5523	102
47	5535	141	35	5541	105
52	5557	156	38	5534	114
55	5546	165	51	5515	153
71	5524	213	53	5526	159
80	5552	240	54	5559	162
88	5558	264	61	5499	183

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5553	9	4	5546	12
35	5536	105	6	5525	18
41	5540	123	9	5502	27
48	5516	144	14	5533	42
50	5543	150	21	5536	63
59	5531	177	24	5507	72
65	5509	195	28	5523	84
70	5547	210	30	5535	90
74	5515	222	71	5513	213
78	5511	234	89	5547	267
79	5517	237	92	5534	276
86	5503	258	96	5555	288
98	5526	294	98	5538	294

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5533	12	11	5552	33
14	5524	42	21	5549	63
16	5559	48	23	5516	69
19	5530	57	27	5525	81
50	5545	150	28	5533	84
54	5535	162	29	5559	87
68	5503	204	51	5537	153
71	5547	213	65	5499	195
73	5555	219	95	5515	285
80	5554	240	99	5546	297
81	5504	243	--	--	--
88	5500	264	--	--	--
98	5542	294	--	--	--

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5511	33	1	5511	3
45	5538	135	7	5518	21
49	5521	147	12	5544	36
52	5519	156	20	5528	60
65	5527	195	38	5547	114
70	5520	210	45	5545	135
76	5544	228	52	5507	156
89	5534	267	63	5525	189
94	5504	282	66	5543	198
--	--	--	71	5559	213
--	--	--	75	5520	225
--	--	--	84	5522	252
--	--	--	96	5535	288

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5516	33	5	5559	15
19	5513	57	24	5503	72
26	5505	78	25	5543	75
35	5524	105	28	5548	84
38	5548	114	38	5557	114
46	5559	138	40	5555	120
67	5515	201	41	5501	123
79	5507	237	45	5549	135
88	5536	264	52	5551	156
93	5544	279	53	5509	159
95	5523	285	54	5499	162
--	--	--	55	5528	165
--	--	--	62	5510	186
--	--	--	65	5540	195
--	--	--	73	5508	219
--	--	--	77	5527	231
--	--	--	84	5545	252
--	--	--	89	5556	267
--	--	--	96	5532	288
--	--	--	99	5511	297

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5504	6	9	5512	27
10	5502	30	16	5515	48
11	5558	33	42	5531	126
16	5529	48	53	5520	159
17	5507	51	68	5532	204
25	5503	75	70	5545	210
47	5555	141	82	5557	246
49	5550	147	85	5526	255
56	5511	168	96	5541	288
69	5526	207	--	--	--
73	5540	219	--	--	--
85	5546	255	--	--	--
90	5535	270	--	--	--
93	5514	279	--	--	--
96	5533	288	--	--	--

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5506	3	2	5505	6
4	5552	12	7	5518	21
5	5531	15	15	5539	45
8	5525	24	29	5503	87
11	5556	33	51	5555	153
32	5534	96	58	5504	174
46	5538	138	74	5525	222
57	5522	171	75	5499	225
60	5540	180	--	--	--
67	5515	201	--	--	--
75	5553	225	--	--	--
76	5508	228	--	--	--
78	5511	234	--	--	--
79	5537	237	--	--	--
83	5557	249	--	--	--
98	5514	294	--	--	--



Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5510	6	20	5517	60
9	5553	27	29	5543	87
11	5526	33	30	5533	90
14	5542	42	36	5522	108
20	5521	60	46	5521	138
26	5505	78	63	5508	189
39	5512	117	64	5537	192
48	5523	144	76	5547	228
49	5541	147	77	5544	231
51	5557	153	88	5511	264
54	5525	162	98	5506	294
55	5539	165	--	--	--
61	5535	183	--	--	--
76	5507	228	--	--	--
77	5534	231	--	--	--
80	5548	240	--	--	--
98	5501	294	--	--	--

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5525	3	4	5539	12
5	5524	15	10	5544	30
6	5534	18	11	5506	33
13	5506	39	14	5542	42
20	5529	60	22	5546	66
39	5508	117	27	5548	81
52	5502	156	32	5541	96
65	5504	195	35	5535	105
70	5509	210	38	5530	114
75	5499	225	48	5553	144
76	5557	228	49	5537	147
82	5547	246	69	5516	207
84	5523	252	71	5540	213
98	5542	294	74	5554	222
--	--	--	80	5523	240
--	--	--	87	5514	261
--	--	--	91	5526	273

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5552	30	1	5523	3
14	5520	42	17	5512	51
15	5542	45	18	5544	54
23	5530	69	20	5526	60
34	5547	102	26	5536	78
38	5531	114	36	5529	108
39	5508	117	48	5532	144
47	5555	141	66	5551	198
52	5535	156	74	5510	222
55	5554	165	77	5545	231
56	5550	168	94	5513	282
57	5528	171	--	--	--
66	5559	198	--	--	--
76	5509	228	--	--	--
87	5511	261	--	--	--
90	5529	270	--	--	--
92	5525	276	--	--	--
99	5522	297	--	--	--

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5525	0	24	5519	72
3	5512	9	27	5541	81
10	5523	30	29	5532	87
27	5543	81	38	5537	114
29	5538	87	61	5536	183
30	5531	90	73	5553	219
31	5548	93	78	5505	234
34	5515	102	81	5528	243
36	5554	108	94	5547	282
49	5518	147	--	--	--
65	5547	195	--	--	--
83	5535	249	--	--	--

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
24	5519	72	10	5522	30
27	5541	81	20	5559	60
29	5532	87	23	5550	69
38	5537	114	47	5500	141
61	5536	183	55	5523	165
73	5553	219	57	5544	171
78	5505	234	61	5531	183
81	5528	243	63	5556	189
94	5547	282	69	5557	207
--	--	--	71	5511	213
--	--	--	75	5530	225
--	--	--	90	5529	270

## Radar Statistical Performance for 802.11ac-VHT80 channel 5530MHz

## Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	1	878	61	1
2	5491	1	778	68	1
3	5491	1	738	72	1
4	5491	1	538	99	1
5	5491	1	678	78	1
6	5491	1	758	70	1
7	5491	1	618	86	1
8	5491	1	858	62	1
9	5491	1	3066	18	1
10	5491	1	578	92	1
11	5491	1	658	81	1
12	5491	1	798	67	1
13	5491	1	518	102	1
14	5491	1	698	76	1
15	5491	1	838	63	1
16	5491	1	1395	38	1
17	5491	1	1165	46	1
18	5491	1	568	93	1
19	5491	1	734	72	1
20	5491	1	1949	28	1
21	5491	1	527	101	1
22	5491	1	2481	22	1
23	5491	1	1278	42	1
24	5491	1	1926	28	1
25	5491	1	1757	31	1
26	5491	1	1319	41	1
27	5491	1	2229	24	1
28	5491	1	1351	40	1
29	5491	1	2088	26	1
30	5491	1	2669	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	5509	2.5	230	29	1
2	5509	2.2	205	27	1
3	5509	1.8	229	25	1
4	5509	1.8	200	24	1
5	5509	1.7	197	27	1
6	5509	2.6	155	24	1
7	5509	4.1	186	23	1
8	5509	3.3	151	25	1
9	5509	4.5	205	28	1
10	5509	1.2	159	28	1
11	5509	2.4	210	28	1
12	5509	3.9	177	29	1
13	5509	2.2	154	25	1
14	5509	3.2	213	27	1
15	5509	4.5	166	23	1
16	5509	3.3	212	25	1
17	5509	2.8	151	25	1
18	5509	1.7	152	24	1
19	5509	4.0	179	29	1
20	5509	1.2	182	29	1
21	5509	2.0	173	25	1
22	5509	2.0	230	26	1
23	5509	3.1	165	27	1
24	5509	1.7	181	28	1
25	5509	4.5	162	25	1
26	5509	3.7	178	26	1
27	5509	2.3	213	28	1
28	5509	3.6	188	29	1
29	5509	3.9	161	26	1
30	5509	4.9	171	23	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	5530	6.9	425	18	1
2	5530	6.3	347	16	1
3	5530	9.2	312	17	1
4	5530	7.5	343	16	1
5	5530	9.4	345	16	1
6	5530	7.3	461	16	1
7	5530	9.4	259	16	1
8	5530	9.6	403	18	1
9	5530	7.7	262	17	1
10	5530	8.3	479	17	1
11	5530	6.3	276	16	1
12	5530	9.2	408	17	1
13	5530	6.5	270	17	1
14	5530	6.4	344	17	1
15	5530	9.2	266	18	1
16	5530	7.5	494	18	1
17	5530	9.4	257	17	1
18	5530	6.3	304	17	1
19	5530	6.0	276	17	1
20	5530	10.0	450	16	1
21	5530	6.4	444	16	1
22	5530	8.1	352	16	1
23	5530	8.0	457	17	1
24	5530	8.1	465	18	1
25	5530	8.4	354	18	1
26	5530	9.9	311	18	1
27	5530	8.4	399	18	1
28	5530	9.9	273	16	1
29	5530	6.4	402	18	1
30	5530	9.5	277	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	5551	12.0	400	15	1
2	5551	13.5	426	13	1
3	5551	15.8	260	12	1
4	5551	11.0	325	15	1
5	5551	11.7	344	12	1
6	5551	17.8	357	14	1
7	5551	18.7	410	14	1
8	5551	11.9	297	13	1
9	5551	15.6	445	14	1
10	5551	12.5	464	16	1
11	5551	15.9	424	15	1
12	5551	13.6	458	14	1
13	5551	19.5	255	16	1
14	5551	14.7	439	13	1
15	5551	16.0	371	14	1
16	5551	14.8	368	12	1
17	5551	16.5	281	12	1
18	5551	15.3	262	14	1
19	5551	18.3	269	14	1
20	5551	15.0	382	13	1
21	5551	12.5	392	12	1
22	5551	16.3	335	14	1
23	5551	16.6	304	12	1
24	5551	17.6	456	15	1
25	5551	13.1	393	13	1
26	5551	17.5	464	12	1
27	5551	13.2	363	15	1
28	5551	11.9	481	14	1
29	5551	19.2	280	15	1
30	5551	16.0	470	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	5500	1	16	5530	1
2	5502	1	17	5532	1
3	5504	1	18	5534	1
4	5506	1	19	5536	1
5	5508	1	20	5538	1
6	5510	1	21	5540	1
7	5512	1	22	5542	1
8	5514	1	23	5544	1
9	5516	1	24	5546	1
10	5518	1	25	5548	1
11	5520	1	26	5550	1
12	5522	1	27	5552	1
13	5524	1	28	5554	1
14	5526	1	29	5557	1
15	5528	1	30	5560	1
Detection Percentage (%)					100%

Type 5 Radar Waveform_1										
<pre> Waveform Num = 1 Num of Bursts = 19 Burst Interval (us) = 631579           </pre>										
Burst #	Off Time (us)	# Pulses	Chirp (MHz)	FW (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	265791	3	20	90	1500	1545	1926	265791	0	631578
2	959467	2	13	95	1497	1139	0	1230229	631579	1263157
3	611338	1	11	55	1686	0	0	1844203	1263158	1894736
4	251746	3	8	55	1073	1529	1487	2097635	1894737	2526315
5	940246	2	12	50	1672	1919	0	3041970	2526316	3157894
6	415312	2	10	80	1624	1777	0	3460873	3157895	3789473
7	420646	3	15	100	1144	1428	1261	3885122	3789474	4421052
8	756640	3	18	60	1589	1873	1904	4645595	4421053	5052631
9	652357	3	17	90	1889	1808	1158	5503318	5052632	5684210
10	563735	2	17	55	1370	1812	0	6071908	5684211	6315789
11	834886	2	19	95	1136	1420	0	6909956	6315790	6947368
12	274869	2	6	90	1218	1704	0	7167361	6947369	7578947
13	950806	2	20	100	1524	1806	0	8141109	7578948	8210526
14	588366	1	20	100	1412	0	0	8732805	8210527	8842105
15	222422	2	16	95	1290	1744	0	8956639	8842106	9473684
16	571641	2	9	70	1585	1545	0	9531314	9473685	10105263
17	1112564	2	9	80	1847	1754	0	10647008	10105264	10736842
18	393519	3	12	95	1784	1765	1741	11044128	10736843	11368421
19	635990	3	15	75	1745	1466	1197	11685408	11368422	12000000
Total number of pulses in waveform = 43										
*****										



### Type 5 Radar Waveform\_2

Waveform Num = 2  
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	443588	1	6	90	1785	0	0	443588	0	923076
2	1282187	1	14	100	1146	0	0	1727560	923077	1846153
3	495004	1	16	80	1297	0	0	2223710	1846154	2769230
4	805534	1	8	100	1222	0	0	3030541	2769231	3692307
5	910266	2	9	80	1638	1405	0	3942029	3692308	4615384
6	727551	2	13	80	1872	1736	0	4672623	4615385	5538461
7	1347001	1	10	55	1922	0	0	6023232	5538462	6461538
8	446961	3	8	95	1218	1071	1235	6472115	6461539	7384615
9	1191039	2	8	85	1779	1604	0	7666678	7384616	8307692
10	1222198	3	16	70	1601	1392	1056	8892259	8307693	9230769
11	1179328	3	7	95	1805	0	0	10075636	9230770	10153846
12	957708	1	9	55	1438	0	0	11035149	10153847	11076923
13	513755	3	10	55	1270	1686	1960	11550342	11076924	12000000

Total number of pulses in waveform = 22  
\*\*\*\*\*

### Type 5 Radar Waveform\_3

Waveform Num = 3  
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	1054945	3	11	70	1916	1498	1779	1054945	0	1333332
2	592675	2	9	70	1261	1037	0	1652813	1333333	2666665
3	1255370	3	19	80	1374	1380	1046	2910481	2666666	3999998
4	1171410	3	13	70	1543	1335	1351	4085691	3999999	5333331
5	1943978	3	8	80	1928	1077	1255	6033898	5333332	6666664
6	1657695	1	16	95	1445	0	0	7695853	6666665	7999997
7	1020991	2	15	90	1553	1383	0	8718269	7999998	9333330
8	1371984	3	16	55	1141	1972	1595	10093209	9333331	10666663
9	1673043	2	15	60	1773	1578	0	11770960	10666664	11999996

Total number of pulses in waveform = 22  
\*\*\*\*\*

### Type 5 Radar Waveform\_4

Waveform Num = 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	239174	1	19	90	1915	0	0	239174	0	599999
2	473560	2	13	80	1600	1403	0	714849	600000	1199999
3	559944	1	11	85	1669	0	0	1277596	1200000	1799999
4	668187	2	8	75	1206	1494	0	1947472	1800000	2399999
5	799043	3	13	70	1326	1351	1897	2749215	2400000	2999999
6	503003	3	6	85	1220	1413	1049	3256792	3000000	3599999
7	560259	2	14	95	1192	1703	0	3820733	3600000	4199999
8	779037	2	18	100	1217	1093	0	4602665	4200000	4799999
9	221166	2	17	85	1435	1184	0	4826141	4800000	5399999
10	676172	3	10	75	1474	1708	1430	5504932	5400000	5999999
11	873784	2	18	70	1372	1919	0	6383308	6000000	6599999
12	668780	1	20	75	1006	0	0	7075379	6600000	7199999
13	719128	1	18	75	1428	0	0	7795513	7200000	7799999
14	256026	3	18	70	1249	1614	1582	8052967	7800000	8399999
15	662220	3	8	50	1776	1910	1881	8719632	8400000	8999999
16	835140	3	13	85	1864	1474	1769	9560339	9000000	9599999
17	523115	3	10	50	1372	1779	1675	10066561	9600000	10199999
18	264335	1	16	90	1089	0	0	10357722	10200000	10799999
19	514751	3	15	95	1219	1752	1957	10873562	10800000	11399999
20	981422	3	10	55	1811	1076	1246	11859912	11400000	11999999

Total number of pulses in waveform = 44  
\*\*\*\*\*



### Type 5 Radar Waveform\_5

```

Waveform Num = 5
Num of Bursts = 20
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	465891	2	20	90	1785	1631	0	465891	0	599999
2	665660	3	13	65	1271	1530	1379	1134967	600000	1199999
3	637471	1	12	65	1959	0	0	1776618	1200000	1799999
4	64118	2	11	70	1641	1652	0	1842695	1800000	2399999
5	605264	2	19	75	1115	1835	0	2451252	2400000	2999999
6	522729	2	8	100	1601	1571	0	3403757	3000000	3599999
7	537807	1	5	75	1291	0	0	3929658	3600000	4199999
8	793873	3	15	80	1498	1470	1262	4466756	4200000	4799999
9	286841	1	13	65	1412	0	0	5266859	4800000	5399999
10	1019472	1	14	50	1236	0	0	5555112	5400000	5999999
11	407557	2	18	55	1817	1656	0	6575920	6000000	6599999
12	775190	2	16	50	1658	1843	0	6986850	6600000	7199999
13	241661	2	11	55	1814	1456	0	7765541	7200000	7799999
14	977120	1	16	100	1004	0	0	8010472	7800000	8399999
15	220122	1	9	85	1534	0	0	8988596	8400000	8999999
16	522791	2	16	50	1888	1277	0	9210252	9000000	9599999
17	486797	1	20	90	1058	0	0	9736208	9600000	10199999
18	991699	2	18	55	1200	1204	0	10224063	10200000	10799999
19	438332	3	9	50	1542	1739	1631	11218166	10800000	11399999
20	438332	3	18	100	1147	1743	1720	11661410	11400000	11999999

Total number of pulses in waveform = 37  
\*\*\*\*\*

### Type 5 Radar Waveform\_6

```

Waveform Num = 6
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	370450	1	14	75	1521	0	0	370450	0	799999
2	838830	2	14	95	1306	1987	0	1210801	800000	1599999
3	573235	2	16	75	1959	1367	0	1787329	1600000	2399999
4	761999	1	10	75	1178	0	0	2552654	2400000	3199999
5	1343592	1	9	60	1608	0	0	3897424	3200000	3999999
6	357781	2	20	85	1407	1681	0	4256813	4000000	4799999
7	692979	3	14	95	1411	1612	1572	4952880	4800000	5599999
8	1077605	1	20	1997	0	55	0	6035080	5600000	6399999
9	485082	1	20	75	1579	0	0	6522159	6400000	7199999
10	1185886	2	6	80	1467	1715	0	7709624	7200000	7999999
11	704950	1	16	55	1050	0	0	8417756	8000000	8799999
12	1145927	3	8	95	1383	1279	1567	9564733	8800000	9599999
13	810437	2	15	95	1956	1279	0	10379399	9600000	10399999
14	307595	3	16	60	1736	1087	1467	10690229	10400000	11199999
15	851583	1	9	75	1881	0	0	11546122	11200000	11999999

Total number of pulses in waveform = 26  
\*\*\*\*\*

### Type 5 Radar Waveform\_7

```

Waveform Num = 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	104924	3	13	65	1706	1441	1318	104924	0	857142
2	1425952	2	20	80	1002	1260	0	1535341	857143	1714285
3	602673	3	6	75	1740	1904	1676	2140276	1714286	2571428
4	659091	3	5	75	1261	1790	1480	2804687	2571429	3428571
5	689309	1	13	80	1122	0	0	3498527	3428572	4285714
6	1038239	1	6	95	1849	0	0	4537888	4285715	5142857
7	1294760	3	19	65	1900	1021	1030	5834497	5142858	6000000
8	839383	1	6	90	1758	0	0	6677831	6000001	6857143
9	321150	2	16	55	1715	1568	0	7000739	6857144	7714286
10	1076664	3	15	55	1263	1025	1859	8080686	7714287	8571429
11	791015	1	11	75	1718	0	0	8875848	8571430	9428572
12	690104	1	6	100	1500	0	0	9567670	9428573	10285715
13	891869	2	8	60	1165	1521	0	10461039	10285716	11142858
14	1169554	2	6	90	1658	1199	0	11633279	11142859	12000001

Total number of pulses in waveform = 28  
\*\*\*\*\*



### Type 5 Radar Waveform\_8

Waveform Num = 8  
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	19	70	1597	1482	0	1317805	0	1333332
2	994759	3	20	90	1345	1809	1675	2315643	1333333	2666665
3	1619440	1	14	60	1611	0	0	3939912	2666666	3999998
4	86884	3	9	80	1189	1416	1174	4028407	3999999	5333331
5	1565301	3	11	95	1995	1789	1127	5597487	5333332	6666664
6	1658994	3	10	50	1644	1149	1566	7261372	6666665	7999997
7	1198996	2	8	100	1127	1595	0	8464727	7999998	9333330
8	1207731	1	16	95	1610	0	0	9675180	9333331	10666663
9	2096643	3	10	65	1359	1293	1392	11773433	10666664	11999996

Total number of pulses in waveform = 21  
\*\*\*\*\*

### Type 5 Radar Waveform\_9

Waveform Num = 9  
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	248181	2	17	55	1850	1142	0	248181	0	666666
2	912625	3	19	75	1334	1445	1573	1163798	666667	1333333
3	733829	3	16	80	1093	1388	1901	1901779	1333334	2000000
4	484993	2	13	55	1284	1998	0	2391154	2000001	2666667
5	575466	1	15	100	1192	0	0	2969902	2666668	3333334
6	1008949	1	6	80	1376	0	0	3980043	3333335	4000001
7	450729	2	9	65	1471	1206	0	4432148	4000002	4666668
8	483607	3	14	75	1216	1085	1049	4918432	4666669	5333335
9	829766	3	8	65	1919	1627	1286	5751548	5333336	6000002
10	865466	2	6	100	1641	1779	0	6621848	6000003	6666669
11	240609	1	20	100	1971	0	0	6665877	6666670	7333336
12	593391	1	15	95	1224	0	0	7461239	7333337	8000003
13	913240	3	17	50	1311	1304	1752	8375703	8000004	8666670
14	894907	2	9	90	1756	1329	0	9274977	8666671	9333337
15	524947	2	14	95	1823	1742	0	9803009	9333338	10000004
16	838129	1	18	65	1303	0	0	10644703	10000005	10666671
17	37059	3	12	100	1498	1040	1154	10683065	10666672	11333338
18	956855	2	19	65	1073	1677	0	11843612	11333339	12000005

Total number of pulses in waveform = 37  
\*\*\*\*\*

### Type 5 Radar Waveform\_10

Waveform Num = 10  
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	410566	1	11	100	1325	0	0	410566	0	666666
2	346999	1	11	65	1647	0	0	758690	666667	1333333
3	881235	1	7	55	1268	0	0	1641772	1333334	2000000
4	609615	1	13	80	1979	0	0	2252655	2000001	2666667
5	554036	3	12	60	1684	1384	1546	2806670	2666668	3333334
6	942228	3	5	75	1437	1906	1453	3755512	3333335	4000001
7	362752	2	15	55	1598	1552	0	4123060	4000002	4666668
8	939620	1	19	65	1039	0	0	5086030	4666669	5333335
9	482609	1	5	80	1920	0	0	5549678	5333336	6000002
10	1024196	1	11	80	1453	0	0	6575794	6000003	6666669
11	589691	2	19	60	1780	1800	0	7167138	6666670	7333336
12	730330	2	8	60	1257	1712	0	7901048	7333337	8000003
13	736362	1	17	55	1804	0	0	8640379	8000004	8666670
14	540464	1	13	55	1792	0	0	9182647	8666671	9333337
15	524151	2	10	100	1033	1096	0	9708590	9333338	10000004
16	721450	2	16	100	1277	1529	0	10432169	10000005	10666671
17	872793	2	5	95	1167	1620	0	11307768	10666672	11333338
18	174406	1	6	50	1687	0	0	11484961	11333339	12000005

Total number of pulses in waveform = 28  
\*\*\*\*\*



### Type 5 Radar Waveform\_11

Waveform Num = 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	539930	1	8	55	1701	0	0	539930	0	631578
2	632219	1	12	70	1867	1619	0	1173850	631579	1263157
3	656746	2	10	90	1874	0	0	1834084	1263158	1894736
4	475161	2	17	100	1270	1641	0	2311119	1894737	2526315
5	551557	2	9	55	1016	1188	0	2865587	2526316	3157894
6	344521	2	7	80	1229	1091	0	3212312	3157895	3789473
7	1196775	2	9	70	1020	1566	0	4411407	3789474	4421052
8	126070	1	19	95	1655	0	0	4540063	4421053	5052631
9	1108738	2	11	85	1544	1984	0	5105667	5052632	5684210
10	327035	3	13	65	1823	1029	1680	6217933	5684211	6315789
11	831666	1	8	90	1927	0	0	6549500	6315790	6947368
12	718117	2	11	85	1120	1705	0	7383115	6947369	7578947
13	704027	2	8	55	1210	1609	0	8104057	7578948	8210526
14	470144	1	5	65	1604	0	0	8810903	8210527	8842105
15	664634	2	13	70	1229	1864	0	9282651	8842106	9473684
16	600952	1	10	90	1224	0	0	9950378	9473685	10105263
17	305759	1	7	65	1590	0	0	10552554	10105264	10736842
18	546368	1	8	100	1470	0	0	10859903	10736843	11368421
19	546368	2	7	95	1714	1982	0	11407741	11368422	12000000

Total number of pulses in waveform = 31  
 \*\*\*\*\*

### Type 5 Radar Waveform\_12

Waveform Num = 12  
 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	95869	2	17	75	1794	1508	0	95869	0	749999
2	931743	2	17	65	1310	1337	0	1030914	750000	1499999
3	1159263	1	19	65	1479	0	0	2192824	1500000	2249999
4	434064	1	8	75	1689	0	0	2628367	2250000	2999999
5	1070457	3	16	85	1605	1150	1648	3700513	3000000	3749999
6	192743	2	17	100	1177	1661	0	3897859	3750000	4499999
7	800430	2	16	95	1392	1222	0	4701127	4500000	5249999
8	641374	3	6	100	1769	1822	1654	5345115	5250000	5999999
9	1349247	3	5	90	1821	1946	1259	6699607	6000000	6749999
10	446217	3	18	95	1716	1160	1973	7150850	6750000	7499999
11	691259	2	11	65	1412	1587	0	7846958	7500000	8249999
12	918246	3	9	55	1974	1455	1077	8768203	8250000	8999999
13	547491	1	8	90	1192	0	0	9320200	9000000	9749999
14	829857	2	8	75	1902	1111	0	10151249	9750000	10499999
15	589541	3	11	75	1612	1039	1449	10743803	10500000	11249999
16	1092050	3	16	100	1546	1043	1586	11839953	11250000	11999999

Total number of pulses in waveform = 36  
 \*\*\*\*\*

### Type 5 Radar Waveform\_13

Waveform Num = 13  
 Num of Bursts = 20  
 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	512882	3	10	65	1634	1932	1606	512882	0	599999
2	118261	3	6	50	1675	1851	1079	636515	600000	1199999
3	1134125	1	13	95	1841	0	0	1775245	1200000	1799999
4	564963	3	16	90	1531	1791	1486	2342049	1800000	2399999
5	84031	1	14	95	1210	0	0	2430888	2400000	2999999
6	1052331	2	10	95	1463	1629	0	3484429	3000000	3599999
7	146359	1	14	60	1111	0	0	3633880	3600000	4199999
8	797524	3	9	65	1669	1691	1650	4432515	4200000	4799999
9	545403	1	14	55	1328	0	0	4982928	4800000	5399999
10	869976	1	20	55	1985	0	0	5854232	5400000	5999999
11	243915	1	13	85	1356	0	0	6100132	6000000	6599999
12	875518	1	7	55	1195	0	0	6977006	6600000	7199999
13	471601	1	9	60	1066	0	0	7449802	7200000	7799999
14	613024	1	15	50	1910	0	0	8063892	7800000	8399999
15	853262	3	14	95	1911	1872	1330	8919084	8400000	8999999
16	454543	3	11	75	1327	1672	1596	9378740	9000000	9599999
17	224466	1	14	55	1146	0	0	9607801	9600000	10199999
18	623884	1	14	65	1667	0	0	10232631	10200000	10799999
19	1137335	1	11	100	1029	0	0	11372033	10800000	11399999
20	587547	1	6	65	1042	0	0	11960609	11400000	11999999

Total number of pulses in waveform = 33  
 \*\*\*\*\*



### Type 5 Radar Waveform\_14

```
Waveform Num = 14
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	204140	2	16	60	1782	1326	0	204140	0	631578
2	663943	1	9	65	1948	0	0	871191	631579	1263157
3	398319	1	9	65	1948	0	0	871191	631579	1263157
4	679265	2	15	70	1268	1534	0	1271458	1263158	1894736
5	737113	1	13	90	1418	0	0	1953525	1894737	2526315
6	520027	3	20	50	1432	1248	1814	2692056	2526316	3157894
7	1085249	3	15	65	1971	1649	1127	3216577	3157895	3789473
8	719489	1	11	95	1935	0	0	4306573	3789474	4421052
9	251414	1	12	55	1876	0	0	5027997	4421053	5052631
10	613063	3	16	85	1524	1791	1233	5281287	5052632	5684210
11	954863	1	13	65	1012	0	0	5898898	5684211	6315789
12	608929	1	13	70	1841	0	0	6854773	6315790	6947368
13	725684	3	12	70	1657	1827	1008	7465543	6947369	7578947
14	177408	3	16	60	1022	1317	1090	8195719	7578948	8210526
15	786087	1	5	70	1231	0	0	8376556	8210527	8842105
16	675549	1	17	70	1017	0	0	9163874	8842106	9473684
17	879781	3	8	90	1623	1480	1015	9840440	9473685	10105263
18	235443	3	5	90	1135	1703	1261	10724319	10105264	10736842
19	669747	1	18	70	1148	0	0	10963861	10736843	11368421
20	669747	3	11	55	1333	1201	1232	11634756	11368422	12000000

Total number of pulses in waveform = 37  
\*\*\*\*\*

### Type 5 Radar Waveform\_15

```
Waveform Num = 15
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	442169	2	11	50	1572	1225	0	442169	0	999999
2	1277143	2	19	85	1675	1169	0	1722109	1000000	1999999
3	1138317	2	7	55	1989	1489	0	2863270	2000000	2999999
4	428937	1	18	75	1325	0	0	3295685	3000000	3999999
5	979047	3	11	100	1798	1103	1705	4276057	4000000	4999999
6	754438	2	18	50	1659	1393	0	5035101	5000000	5999999
7	1690242	1	6	70	1696	0	0	6728395	6000000	6999999
8	1088986	2	13	90	1234	1116	0	7819077	7000000	7999999
9	842145	1	18	100	1885	0	0	8663572	8000000	8999999
10	735778	1	15	90	1183	0	0	9401235	9000000	9999999
11	845460	1	20	90	1020	0	0	10247878	10000000	10999999
12	1591485	3	6	85	1082	1530	1398	11840383	11000000	11999999

Total number of pulses in waveform = 21  
\*\*\*\*\*

### Type 5 Radar Waveform\_16

```
Waveform Num = 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	329782	1	7	95	1471	0	0	329782	0	599999
2	489645	1	19	75	1356	0	0	820898	600000	1199999
3	380583	2	10	85	1928	1265	0	1202837	1200000	1799999
4	1001397	3	8	70	1679	1756	1169	2207427	1800000	2399999
5	531803	3	14	55	1325	1148	1067	2743834	2400000	2999999
6	665555	3	7	95	1052	1022	1580	3413929	3000000	3599999
7	496289	2	15	75	1457	1686	0	3913852	3600000	4199999
8	723073	2	20	60	1948	1310	0	4640068	4200000	4799999
9	568792	2	13	100	1009	1121	0	5212118	4800000	5399999
10	434850	1	7	65	1802	0	0	5848998	5400000	5999999
11	720474	1	13	60	1746	0	0	6371174	6000000	6599999
12	561532	1	18	95	1597	0	0	6934452	6600000	7199999
13	671478	3	17	55	1571	1264	1970	7607527	7200000	7799999
14	354356	2	20	100	1110	1664	0	7966688	7800000	8399999
15	480284	2	14	65	1237	1235	0	8449746	8400000	8999999
16	867987	2	9	100	1780	1242	0	9320205	9000000	9599999
17	525583	2	5	70	1282	1570	0	9848790	9600000	10199999
18	380951	1	14	50	1997	0	0	10232593	10200000	10799999
19	925151	2	12	100	1258	1670	0	11159741	10800000	11399999
20	394657	2	8	80	1715	1688	0	11557326	11400000	11999999

Total number of pulses in waveform = 38  
\*\*\*\*\*



### Type 5 Radar Waveform\_17

```

Waveform Num = 17
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	593969	2	17	85	1542	1509	0	593969	0	831578
2	488735	1	6	90	1646	0	0	1085755	631579	1263157
3	597641	1	20	85	1789	0	0	1685042	1263158	1894736
4	637679	1	15	85	1215	0	0	2324510	1894737	2526315
5	640247	1	15	85	1215	0	0	2324510	1894737	2526315
6	485355	3	6	95	1115	1876	1279	2965972	2526316	3157894
7	795915	2	8	50	1728	1267	0	3455597	3157895	3789473
8	621587	3	14	95	1601	1124	1847	4254507	3789474	4421052
9	173621	1	13	75	1357	0	0	4880666	4421053	5052631
10	1123528	1	14	95	1275	0	0	5055644	5052632	5684210
11	404812	1	7	85	1621	0	0	6180447	5684211	6315789
12	508438	2	9	80	1255	1442	0	6586880	6315790	6947368
13	851016	1	6	80	1248	0	0	7098015	6947369	7578947
14	574279	1	5	100	1268	0	0	7950279	7578948	8210526
15	440969	3	18	70	1954	1758	1248	8525826	8210527	8842105
16	698196	1	11	95	1150	0	0	8971755	8842106	9473684
17	767332	1	11	50	1427	0	0	9671101	9473685	10105263
18	495715	2	9	95	1592	1326	0	10439860	10105264	10736842
19	886268	2	11	90	1618	1969	0	10936493	10736843	11368421
19	886268	1	5	85	1310	0	0	11830348	11368422	12000000

Total number of pulses in waveform = 30  
\*\*\*\*\*

### Type 5 Radar Waveform\_18

```

Waveform Num = 18
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	954402	3	19	50	1328	1040	1244	954402	0	1199999
2	1055482	1	6	70	1438	0	0	2013496	1200000	2399999
3	1387944	3	18	100	1997	1696	1046	3402878	2400000	3599999
4	672846	2	17	75	1435	1573	0	4080463	3600000	4799999
5	896441	1	13	55	1575	0	0	4979912	4800000	5999999
6	1548400	1	18	75	1184	0	0	6529887	6000000	7199999
7	1359264	2	12	100	1654	1882	0	7890335	7200000	8399999
8	1582051	1	19	55	1019	0	0	9475922	8400000	9599999
9	504494	2	6	85	1605	1008	0	9981435	9600000	10799999
10	1836107	2	12	55	1888	1976	0	11820155	10800000	11999999

Total number of pulses in waveform = 18  
\*\*\*\*\*

### Type 5 Radar Waveform\_19

```

Waveform Num = 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	663277	3	19	85	1132	1809	1207	663277	0	999999
2	637827	2	16	75	1025	1255	0	1305252	1000000	1999999
3	1199067	2	8	100	1485	1345	0	2506599	2000000	2999999
4	1442510	3	7	75	1547	1327	1934	3951939	3000000	3999999
5	226023	1	8	55	1259	0	0	4182770	4000000	4999999
6	1131522	2	20	55	1428	1399	0	5315551	5000000	5999999
7	686489	3	17	100	1192	1580	1234	6004867	6000000	6999999
8	1883731	3	7	75	1803	1394	1417	7892604	7000000	7999999
9	739596	3	13	55	1571	1601	1076	8636814	8000000	8999999
10	1297700	3	10	85	1652	1952	1301	9938762	9000000	9999999
11	589589	2	15	80	1290	1174	0	10533256	10000000	10999999
12	860106	2	11	85	1705	1221	0	11395826	11000000	11999999

Total number of pulses in waveform = 29  
\*\*\*\*\*



### Type 5 Radar Waveform\_20

```

|
Waveform Num = 20
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	218215	2	20	65	1373	1913	0	218215	0	749999
2	618733	2	5	80	1850	1923	0	838234	750000	1499999
3	765658	2	20	65	1120	1276	0	1807485	1500000	2249999
4	1289159	3	19	95	1743	1930	1993	2899020	2250000	2999999
5	211710	1	15	75	1321	0	0	3116404	3000000	3749999
6	976234	1	19	55	1892	0	0	4093959	3750000	4499999
7	905016	1	12	65	1457	0	0	5000867	4500000	5249999
8	607016	1	20	70	1157	0	0	5609340	5250000	5999999
9	1111401	2	16	65	1047	1467	0	6721898	6000000	6749999
10	239699	3	10	95	1683	1563	1672	6964131	6750000	7499999
11	1193503	1	14	60	1482	0	0	8162552	7500000	8249999
12	353439	1	6	70	1932	0	0	8517473	8250000	8999999
13	1102884	2	11	65	1411	1474	0	9622269	9000000	9749999
14	154401	2	16	60	1799	1088	0	9779575	9750000	10499999
15	972920	2	13	50	1753	1002	0	10755382	10500000	11249999
16	834635	2	8	75	1494	1266	0	11592772	11250000	11999999

Total number of pulses in waveform = 28  
\*\*\*\*\*

### Type 5 Radar Waveform\_21

```

|
Waveform Num = 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	97663	1	10	95	1933	0	0	97663	0	666666
2	696219	1	11	100	1457	0	0	795815	666667	1333333
3	609484	3	14	50	1055	1412	1468	1406756	1333334	2000000
4	1106639	1	14	65	1416	0	0	2517530	2000001	2666667
5	732116	2	11	75	1107	1057	0	3251062	2666668	3333334
6	502490	2	10	50	1108	1910	0	3755716	3333335	4000001
7	311865	3	12	65	1177	1076	1889	4070619	4000002	4666668
8	784358	3	16	70	1061	1276	1110	4659119	4666669	5333335
9	1007038	3	6	60	1739	1624	1930	5669624	5333336	6000002
10	195554	3	14	85	1994	1331	1455	6070471	6000003	6666669
11	824332	3	18	75	1157	1078	1804	6699563	6666670	7333336
12	964837	3	20	65	1544	1548	1075	7666459	7333337	8000003
13	616690	3	11	65	1921	1507	1742	8489316	8000004	8666670
14	696520	2	17	75	1966	1411	0	9193006	8666671	9333337
15	161191	1	12	70	1675	0	0	9357594	9333338	10000004
16	1171968	1	18	90	1965	0	0	10531237	10000005	10666671
17	793626	1	11	100	1528	0	0	11327028	10666672	11333338
18	17725	2	6	100	1938	1559	0	11346261	11333339	12000005

Total number of pulses in waveform = 38  
\*\*\*\*\*

### Type 5 Radar Waveform\_22

```

|
Waveform Num = 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	696479	3	19	100	1091	1703	1843	696479	0	749999
2	496990	3	15	50	1899	1846	1027	1200106	750000	1499999
3	526561	3	11	75	1790	1463	1869	1733459	1500000	2249999
4	1056396	1	11	50	1387	0	0	2794979	2250000	2999999
5	331812	3	11	65	1751	1267	1144	3126176	3000000	3749999
6	1167415	1	16	95	1459	0	0	4299755	3750000	4499999
7	279302	3	16	90	1518	1906	1155	4580516	4500000	5249999
8	1247050	2	18	70	1216	1391	0	5632145	5250000	5999999
9	631691	2	9	50	1559	1548	0	6466443	6000000	6749999
10	834278	2	8	95	1121	1997	0	7303828	6750000	7499999
11	911033	1	9	60	1077	0	0	8217979	7500000	8249999
12	254881	1	17	70	1496	0	0	8473937	8250000	8999999
13	621010	3	15	75	1414	1636	1276	9096443	9000000	9749999
14	1364797	1	10	60	1119	0	0	10465566	9750000	10499999
15	290712	1	9	85	1224	0	0	10757397	10500000	11249999
16	1147651	2	9	60	1394	1013	0	11906272	11250000	11999999

Total number of pulses in waveform = 32  
\*\*\*\*\*





### Type 5 Radar Waveform\_23

Waveform Num = 23  
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	716088	1	8	95	1737	0	0	716088	0	999999
2	929846	2	8	50	1649	1127	0	1847871	1000000	1999999
3	908919	1	15	75	1351	0	0	2559366	2000000	2999999
4	1145454	1	10	80	1756	0	0	3706171	3000000	3999999
5	690529	1	5	70	1349	0	0	4398456	4000000	4999999
6	633550	3	9	60	1046	1390	1681	5033355	5000000	5999999
7	975825	3	20	50	1773	1496	1077	6013297	6000000	6999999
8	1944342	2	10	55	1340	1798	0	7961985	7000000	7999999
9	226373	2	13	75	1997	1088	0	8191496	8000000	8999999
10	1045883	3	5	80	1215	1250	1126	9240464	9000000	9999999
11	1036300	2	14	95	1084	1265	0	10280355	10000000	10999999
12	1495361	3	9	55	1454	1976	1063	11778065	11000000	11999999

Total number of pulses in waveform = 24  
\*\*\*\*\*

### Type 5 Radar Waveform\_24

Waveform Num = 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	235920	3	20	70	1298	1067	1416	235920	0	705881
2	973879	3	18	95	1744	1387	1300	1213580	705882	1411763
3	692728	3	8	60	1216	1203	1213	1910739	1411764	2117645
4	629215	1	6	55	1536	0	0	2543586	2117646	2823527
5	864934	1	5	50	1420	0	0	3410056	2823528	3529409
6	704189	2	20	70	1339	1822	0	4115665	3529410	4235291
7	152958	1	10	90	1422	0	0	4271784	4235292	4941173
8	1213216	2	19	85	1856	1609	0	5486422	4941174	5647055
9	193651	2	16	55	1269	1005	0	5683538	5647056	6352937
10	1165551	1	15	70	1597	0	0	6851363	6352938	7058819
11	423032	1	10	75	1953	0	0	7275992	7058820	7764701
12	514678	1	15	55	1950	0	0	7792623	7764702	8470583
13	1140085	3	16	80	1536	1853	1758	8934638	8470584	9176465
14	689627	2	19	95	1033	1837	0	9829412	9176466	9882347
15	699053	1	13	50	1917	0	0	10521335	9882348	10588229
16	139033	3	9	65	1147	1854	1870	10662285	10588230	11294111
17	1215477	2	9	75	1573	1064	0	11882633	11294112	11999993

Total number of pulses in waveform = 32  
\*\*\*\*\*

### Type 5 Radar Waveform\_25

Waveform Num = 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	519823	2	17	75	1996	1209	0	519823	0	1090908
2	1596839	1	8	70	1461	0	0	2119867	1090909	2181817
3	78984	3	8	50	1036	1097	1591	2200312	2181818	3272726
4	1667295	1	15	90	1666	0	0	3871331	3272727	4363635
5	782707	1	19	65	1293	0	0	4655704	4363636	5454544
6	906943	1	16	95	1936	0	0	5563940	5454545	6545453
7	1466407	2	8	100	1960	1299	0	7032283	6545454	7636362
8	1062175	3	10	70	1538	1655	1478	8097717	7636363	8727271
9	850166	2	18	85	1577	1779	0	8952554	8727272	9818180
10	932155	2	17	80	1673	1637	0	9888065	9818181	10909089
11	2009061	1	19	80	1135	0	0	11900456	10909090	11999998

Total number of pulses in waveform = 19  
\*\*\*\*\*

### Type 5 Radar Waveform\_26

```

Waveform Num = 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	862992	1	19	90	1323	0	0	862992	0	749999
2	413128	2	6	75	1045	1047	0	1077443	750000	1499999
3	1032324	2	8	55	1262	1721	0	2111859	1500000	2249999
4	649416	1	5	80	1898	0	0	2764258	2250000	2999999
5	252128	3	6	75	1341	1621	1774	3018284	3000000	3749999
6	1275122	1	15	55	1981	0	0	4298142	3750000	4499999
7	589505	2	5	95	1992	1812	0	4889628	4500000	5249999
8	454032	2	18	50	1924	1458	0	5347464	5250000	5999999
9	1340750	2	17	70	1576	1160	0	6691596	6000000	6749999
10	795090	3	17	60	1563	1189	1739	7489422	6750000	7499999
11	317594	3	13	65	1588	1158	1266	7811507	7500000	8249999
12	832822	3	19	80	1749	1074	1133	8648341	8250000	8999999
13	458858	2	6	55	1456	1020	0	9111155	9000000	9749999
14	1210492	3	16	65	1622	1935	1751	10324123	9750000	10499999
15	172411	2	11	50	1953	1165	0	10502042	10500000	11249999
16	1038519	3	15	80	1352	1423	1739	11543679	11250000	11999999

Total number of pulses in waveform = 35  
\*\*\*\*\*

### Type 5 Radar Waveform\_27

```

Waveform Num = 27
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	912458	3	17	75	1346	1695	1661	912458	0	999999
2	609986	1	9	70	1206	0	0	1527146	1000000	1999999
3	1008864	2	17	75	1921	1811	0	2537216	2000000	2999999
4	722723	2	11	80	1079	1597	0	3263671	3000000	3999999
5	1257601	1	5	70	1897	0	0	4523948	4000000	4999999
6	1053996	1	14	85	1695	0	0	5579841	5000000	5999999
7	662336	1	8	65	1782	0	0	6243872	6000000	6999999
8	1004217	1	15	90	1119	0	0	7249871	7000000	7999999
9	882445	3	15	75	1409	1864	1830	8133435	8000000	8999999
10	905477	1	13	75	1690	0	0	9044015	9000000	9999999
11	1180990	3	6	90	1405	1237	1378	10226695	10000000	10999999
12	1070005	1	19	70	1836	0	0	11300720	11000000	11999999

Total number of pulses in waveform = 20  
\*\*\*\*\*

### Type 5 Radar Waveform\_28

```

Waveform Num = 28
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	787820	3	11	75	1577	1593	1626	787820	0	1090908
2	979426	2	17	55	1002	1507	0	1772042	1090909	2181817
3	679213	2	10	100	1046	1984	0	2453764	2181818	3272726
4	1284380	3	13	50	1558	1419	1905	3741174	3272727	4363635
5	1625739	2	18	75	1095	1203	0	5371795	4363636	5454544
6	370528	2	12	95	1127	1828	0	5744621	5454545	6545453
7	1184619	3	13	75	1030	1317	1580	6932195	6545454	7636362
8	1513062	2	20	80	1088	1670	0	8449184	7636363	8727271
9	1242187	3	5	80	1166	1330	1962	9694129	8727272	9818180
10	141081	1	9	65	1373	0	0	9839668	9818181	10909089
11	2044993	2	14	85	1711	1482	0	11886034	10909090	11999998

Total number of pulses in waveform = 25  
\*\*\*\*\*



### Type 5 Radar Waveform\_29

Waveform Num = 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	734009	3	20	100	1839	1277	1545	734009	0	799999
2	733406	2	11	90	1000	1454	0	1472076	800000	1599999
3	641378	1	19	90	1833	0	0	2115908	1600000	2399999
4	685385	1	11	50	1749	0	0	2803126	2400000	3199999
5	597050	1	6	70	1484	0	0	3401925	3200000	3999999
6	1289695	3	18	50	1783	1786	1751	4893104	4000000	4799999
7	697389	2	10	95	1513	1326	0	5395793	4800000	5599999
8	990221	2	16	85	1180	1931	0	6388853	5600000	6399999
9	443887	1	13	95	1728	0	0	6835851	6400000	7199999
10	1002401	1	11	55	1593	0	0	7839980	7200000	7999999
11	365216	3	14	95	1056	1184	1577	8206789	8000000	8799999
12	676626	1	17	60	1307	0	0	8687232	8800000	9599999
13	1044233	2	16	85	1944	1171	0	9932772	9600000	10399999
14	668443	1	10	80	1834	0	0	10604330	10400000	11199999
15	1342242	3	13	60	1384	1594	1735	11948406	11200000	11999999

Total number of pulses in waveform = 27  
\*\*\*\*\*

### Type 5 Radar Waveform\_30

Waveform Num = 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	657729	2	7	95	1266	1172	0	657729	0	799999
2	839029	3	17	95	1210	1231	1351	1499196	800000	1599999
3	372344	1	18	100	1955	0	0	1875332	1600000	2399999
4	936290	1	10	50	1063	0	0	2813577	2400000	3199999
5	738329	3	19	80	1428	1480	1332	3552969	3200000	3999999
6	1169086	1	15	55	1455	0	0	4726295	4000000	4799999
7	619501	2	19	75	1739	1247	0	5347251	4800000	5599999
8	643310	1	9	70	1913	0	0	5993547	5600000	6399999
9	666675	2	9	90	1441	1972	0	6662135	6400000	7199999
10	1067604	3	8	70	1294	1495	1887	7733152	7200000	7999999
11	981796	2	8	80	1927	1012	0	8719626	8000000	8799999
12	693299	2	20	55	1064	1306	0	9415864	8800000	9599999
13	258355	3	19	55	1661	1818	1217	9676589	9600000	10399999
14	1148768	1	5	80	1996	0	0	10830073	10400000	11199999
15	635488	3	6	65	1405	1737	1757	11467557	11200000	11999999

Total number of pulses in waveform = 30  
\*\*\*\*\*

## 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	5491	1	16	5491	1
2	5491	1	17	5491	1
3	5491	1	18	5491	1
4	5491	1	19	5491	1
5	5491	1	20	5491	1
6	5491	1	21	5491	1
7	5491	1	22	5491	1
8	5491	1	23	5491	1
9	5491	1	24	5491	1
10	5491	1	25	5491	1
11	5491	1	26	5491	1
12	5491	1	27	5491	1
13	5491	1	28	5491	1
14	5491	1	29	5491	1
15	5491	1	30	5491	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	5462	3	13	5462	39
6	5505	18	14	5499	42
16	5487	48	16	5509	48
23	5468	69	26	5507	78
26	5482	78	33	5466	99
36	5521	108	35	5483	105
37	5515	111	41	5517	123
44	5489	132	61	5503	183
49	5497	147	64	5478	192
56	5479	168	71	5481	213
57	5470	171	73	5508	219
69	5494	207	76	5486	228
83	5506	249	78	5479	234
85	5518	255	79	5500	237
95	5513	285	86	5504	258
--	--	--	88	5489	264
--	--	--	90	5495	270
--	--	--	96	5502	288

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5476	15	7	5495	21
27	5498	81	8	5468	24
29	5474	87	16	5484	48
30	5479	90	18	5476	54
39	5467	117	23	5507	69
48	5495	144	36	5483	108
60	5518	180	51	5492	153
61	5502	183	69	5514	207
63	5491	189	92	5488	276
67	5494	201	--	--	--
84	5485	252	--	--	--

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5517	9	4	5473	12
21	5511	63	16	5461	48
42	5513	126	28	5472	84
43	5504	129	39	5508	117
46	5491	138	50	5514	150
65	5488	195	56	5478	168
66	5476	198	62	5485	186
69	5519	207	63	5483	189
77	5471	231	66	5501	198
79	5482	237	72	5488	216
--	--	--	80	5484	240
--	--	--	85	5509	255

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5515	21	5	5481	15
12	5495	36	8	5493	24
43	5461	129	9	5484	27
52	5480	156	10	5488	30
89	5519	267	12	5504	36
--	--	--	17	5487	51
--	--	--	33	5496	99
--	--	--	48	5499	144
--	--	--	53	5514	159
--	--	--	74	5479	222
--	--	--	79	5473	237
--	--	--	88	5489	264
--	--	--	91	5505	273

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5479	3	12	5477	36
2	5506	6	14	5489	42
9	5509	27	16	5469	48
13	5470	39	28	5498	84
16	5494	48	45	5504	135
34	5510	102	59	5505	177
36	5464	108	70	5478	210
41	5519	123	73	5480	219
55	5502	165	80	5479	240
74	5466	222	82	5485	246
85	5473	255	--	--	--
92	5504	276	--	--	--

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
12	5514	36	0	5508	0
17	5509	51	7	5498	21
27	5476	81	14	5463	42
32	5489	96	26	5486	78
35	5461	105	27	5462	81
40	5499	120	41	5511	123
52	5479	156	48	5499	144
61	5492	183	69	5521	207
68	5517	204	74	5481	222
78	5491	234	92	5518	276
84	5463	252	94	5464	282
88	5494	264	--	--	--
91	5505	273	--	--	--

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5480	3	3	5513	9
20	5502	60	19	5487	57
23	5505	69	25	5484	75
26	5500	78	39	5473	117
34	5468	102	59	5477	177
47	5521	141	62	5507	186
59	5497	177	74	5481	222
90	5478	270	85	5503	255
91	5520	273	88	5486	264
96	5498	288	91	5512	273
			94	5490	282

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5467	3	3	5467	9
6	5490	18	10	5502	30
10	5519	30	11	5469	33
13	5512	39	26	5519	78
17	5461	51	27	5520	81
18	5483	54	39	5478	117
24	5479	72	49	5507	147
33	5473	99	57	5481	171
53	5463	159	59	5474	177
54	5492	162	62	5493	186
65	5464	195	70	5515	210
73	5520	219	82	5509	246
--	--	--	85	5487	255
--	--	--	99	5489	297



Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
12	5473	36	4	5518	12
16	5493	48	6	5497	18
21	5512	63	32	5481	96
25	5465	75	34	5491	102
30	5489	90	43	5463	129
37	5482	111	52	5492	156
38	5466	114	55	5469	165
48	5467	144	58	5468	174
55	5486	165	67	5483	201
74	5479	222	68	5473	204
--	--	--	80	5490	240
--	--	--	92	5512	276
--	--	--	95	5471	285
--	--	--	99	5500	297

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5507	18	12	5501	36
7	5465	21	14	5480	42
9	5482	27	17	5513	51
23	5494	69	24	5466	72
28	5508	84	35	5515	105
54	5517	162	36	5472	108
61	5486	183	46	5465	138
66	5518	198	49	5461	147
71	5514	213	50	5508	150
73	5490	219	52	5497	156
83	5479	249	60	5504	180
--	--	--	74	5494	222
--	--	--	96	5485	288

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
10	5497	30	5	5517	15
19	5489	57	7	5501	21
23	5472	69	13	5491	39
39	5464	117	43	5514	129
47	5502	141	63	5484	189
57	5488	171	76	5503	228
61	5521	183	83	5510	249
63	5481	189	93	5470	279
66	5500	198	97	5493	291
68	5475	204	--	--	--
71	5463	213	--	--	--
86	5479	258	--	--	--

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5514	12	3	5462	9
8	5489	24	4	5501	12
10	5469	30	6	5485	18
11	5488	33	12	5508	36
16	5472	48	14	5464	42
21	5477	63	32	5477	96
24	5476	72	60	5483	180
39	5497	117	63	5482	189
41	5464	123	87	5510	261
59	5467	177	92	5478	276
86	5486	258	--	--	--
87	5493	261	--	--	--
88	5473	264	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5510	21	2	5495	6
25	5466	75	9	5519	27
31	5502	93	27	5461	81
34	5504	102	30	5493	90
40	5485	120	40	5498	120
51	5481	153	57	5518	171
54	5488	162	58	5508	174
55	5515	165	65	5471	195
57	5493	171	69	5467	207
64	5469	192	81	5481	243
86	5492	258	82	5511	246
90	5483	270	91	5520	273
--	--	--	97	5486	291

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5485	33	4	5465	12
31	5490	93	18	5498	54
40	5498	120	21	5484	63
42	5493	126	24	5519	72
46	5461	138	32	5507	96
69	5475	207	37	5477	111
86	5512	258	40	5489	120
87	5515	261	53	5493	159
91	5484	273	55	5504	165
97	5494	291	58	5502	174
--	--	--	91	5496	273
--	--	--	95	5506	285
--	--	--	98	5468	294
--	--	--	99	5473	297

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
8	5461	24	0	5521	0
13	5488	39	5	5520	15
16	5509	48	6	5477	18
42	5493	126	8	5488	24
48	5506	144	9	5482	27
50	5494	150	24	5507	72
58	5484	174	35	5493	105
61	5470	183	41	5498	123
65	5499	195	52	5511	156
70	5479	210	64	5481	192
73	5485	219	68	5480	204
82	5482	246	71	5503	213
91	5505	273	81	5464	243
--	--	--	97	5491	291

## 6. CONCLUSION

The data collected relate only the item(s) tested and show that the **Wireless LAN Access Point FCC ID: O9C-BJNGAFB0008** is in compliance with Part 15E of the FCC Rules.

————— The End —————