Random DFS waveform parameters (NewBin5) 18-Oct-2010 07:53:18

Waveform Num = 1
Num of Bursts = 10

Burst Interval (us) = 1200000.0

Burst #	Off Time (us) 939831	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	479819	2	11.0	60	1689	1747	0	939831	0	1199999
2	1388535	1	17.0	65	1383	0	0	1423086	1200000	2399999
3	1498199	1	10.0	50	1637	0	0	2813004	2400000	3599999
4	514756	2	16.0	50	1502	1059	0	4312840	3600000	4799999
5	2292291	2	5.0	65	1025	1819	0	4830157	4800000	5999999
6	891990	2	9.0	60	1639	1365	0	7125292	6000000	7199999
7	1179589	2	19.0	80	1586	1540	0	8020286	7200000	8399999
8		2	20.0	50	1085	1688	0	9203001	8400000	9599999
9	1214081	1	15.0	55	1462	0	0	10419855	9600000	10799999
10 Total n	897523 number of pu	2 ulses in w	9.0 waveform	85 = 17	1022	1826	0	11318840	10800000	11999999

Waveform Num = 2 Num of Bursts = 13 Burst Interval (us) = 923077.0

Burst #	Off Time (us) 11575	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		1	8.0	65	1782	0	0	11575	0	923076
2	1118503	1	17.0	60	1346	0	0	1131860	923077	1846153
3	988513	3	10.0	55	1284	1615	1703	2121719	1846154	2769230
4	707205	2	12.0	85	1102	1501	0	2833526	2769231	3692307
5	1320179	1	10.0	50	1376	0	0	4156308	3692308	4615384
	640908	_								
6	1430491	2	5.0	65	1851	1869	0	4798592	4615385	5538461
7	339921	3	18.0	65	1129	1517	1838	6232803	5538462	6461538
8	1502448	2	19.0	55	1466	1885	0	6577208	6461539	7384615
9	622379	2	17.0	50	1728	1104	0	8083007	7384616	8307692
10		1	6.0	80	1140	0	0	8708218	8307693	9230769
11	1102866	3	7.0	65	1139	1565	1552	9812224	9230770	10153846
12	1147041	1	19.0	80	1714	0	0	10963521	10153847	11076923
13	130671	1	16.0	65	1890	0	0	11095906	11076924	12000000
Total r	number of p	ulses in v	waveform	= 23						

Waveform Num = 3
Num of Bursts = 11
Burst Interval (us) = 1090909.0

Burst #	Off Time (us) 692064	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		2	11.0	80	1919	1724	0	692064	0	1090908
2	939356	2	13.0	50	1278	1791	0	1635063	1090909	2181817
3	1181151 982058	2	17.0	75	1204	1978	0	2819283	2181818	3272726
4		2	14.0	70	1667	1059	0	3804523	3272727	4363635
5	868854	2	19.0	70	1414	1081	0	4676103	4363636	5454544
6	1046227	3	8.0	75	1215	1431	1408	5724825	5454545	6545453
7	1474975	2	9.0	85	1481	1801	0	7203854	6545454	7636362
8	1067938	3	18.0	75	1969	1011	1455	8275074	7636363	8727271
9	722823	3	10.0	85	1492	1297	1410	9002332	8727272	9818180
10	1132340 1671293	1	12.0	55	1072	0	0	10138871	9818181	10909089
11	number of p	3	6.0	50	1920	1366	1097	11811236	10909090	11999998
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Waveform Num = 4 Num of Bursts = 14 Burst Interval (us) = 857143.0

Burst #	Off Time (us) 738043	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		2	12.0	100	1513	1969	0	738043	0	857142
2	401622 847757	2	14.0	60	1457	1203	0	1143147	857143	1714285
3		1	5.0	55	1325	0	0	1993564	1714286	2571428
4	683672	2	6.0	65	1041	1129	0	2678561	2571429	3428571
5	751649	2	11.0	85	1435	1251	0	3432380	3428572	4285714
6	1634636	1	11.0	90	1158	0	0	5069702	4285715	5142857
7	746247	2	14.0	50	1413	1115	0	5817107	5142858	6000000
8	206641	3	16.0	50	1476	1782	1945	6026276	6000001	6857143
9	1082579	2	15.0	50	1203	1609	0	7114058	6857144	7714286
10	812480	2	20.0	60	1895	1482	0	7929350	7714287	8571429
11	732385	2	18.0	95	1441	1881	0	8665112	8571430	9428572
12	1029466	1	19.0	70	1817	0	0	9697900	9428573	10285715
13	587913 1470521	3	20.0	60	1918	1763	1577	10287630	10285716	11142858
14 Total r	number of p	1 ulses in v	5.0 waveform	90 = 26	1362	0	0	11763409	11142859	12000001

Waveform Num = 5 Num of Bursts = 19

Burst Interval (us) = 631579.0

Burst #	Off Time (us) 152383	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		2	19.0	65	1094	1617	0	152383	0	631578
2	770570	2	9.0	85	1197	1668	0	925664	631579	1263157
3	414586	3	9.0	95	1086	1782	1464	1343115	1263158	1894736
4	750008	2	17.0	50	1544	1437	0	2097455	1894737	2526315
5	481001	2	18.0	80	1046	1021	0	2581437	2526316	3157894
	599354									
6	981848	3	13.0	70	1255	1908	1214	3182858	3157895	3789473
7	364492	2	19.0	80	1586	1715	0	4169083	3789474	4421052
8	886690	1	6.0	95	1862	0	0	4536876	4421053	5052631
9		1	12.0	85	1512	0	0	5425428	5052632	5684210
10	301368	2	20.0	55	1013	1462	0	5728308	5684211	6315789
11	784413	3	16.0	95	1258	1533	1021	6515196	6315790	6947368
12	438446	1	16.0	50	1870	0	0	6957454	6947369	7578947
	1241328									
13	582330	3	19.0	55	1101	1376	1904	8200652	7578948	8210526
14	660241	2	17.0	95	1610	1743	0	8787363	8210527	8842105
15		2	17.0	60	1611	1965	0	9450957	8842106	9473684
16	502973	2	20.0	60	1736	1382	0	9957506	9473685	10105263
17	572294	1	18.0	65	1589	0	0	10532918	10105264	10736842
18	232907	3	9.0	55	1396	1170	1616	10767414	10736843	11368421
	1093244									
19 Total r	number of pu	1 ulses in v	14.0 waveform	95 = 38	1893	0	0	11864840	11368422	12000000

Waveform Num = 6 Num of Bursts = 11 Burst Interval (us) = 1090909.0

Burst #	Off Time (us) 568178	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		2	7.0	90	1398	1694	0	568178	0	1090908
2	892819 1257030	3	14.0	85	1805	1620	1008	1464089	1090909	2181817
3		2	6.0	50	1393	1845	0	2725552	2181818	3272726
4	973165	1	15.0	95	1622	0	0	3701955	3272727	4363635
5	1075117	1	10.0	95	1141	0	0	4778694	4363636	5454544
6		2	5.0	70	1834	1577	0	5954019	5454545	6545453
7	1431203 326306	3	14.0	95	1656	1551	1675	7388633	6545454	7636362
8		3	16.0	75	1378	1488	1124	7719821	7636363	8727271
9	2037473	2	8.0	65	1390	1069	0	9761284	8727272	9818180
10	216490 1572775	3	12.0	70	1779	1213	1230	9980233	9818181	10909089
11 Total r	number of pu	1 ulses in v	18.0 waveform	85 = 23	1375	0	0	11557230	10909090	11999998

Waveform Num = 7 Num of Bursts = 20

Burst Interval (us) = 600000.0

Burst #	Off Time (us) 274297	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	747712	3	11.0	90	1906	1947	1899	274297	0	599999
2		2	11.0	60	1292	1313	0	1027761	600000	1199999
3	267752	2	6.0	75	1441	1082	0	1298118	1200000	1799999
4	876930	3	8.0	90	1560	1435	1494	2177571	1800000	2399999
5	454403	1	13.0	80	1366	0	0	2636463	2400000	2999999
6	515851	3	9.0	70	1939	1010	1091	3153680	3000000	3599999
7	873893	2	5.0	50	1144	1045	0	4031613	3600000	4199999
	454307									
8	838302	1	6.0	65	1736	0	0	4488109	4200000	4799999
9	276938	3	11.0	90	1218	1546	1381	5328147	4800000	5399999
10		3	17.0	75	1988	1199	1810	5609230	5400000	5999999
11	768657	3	15.0	50	1284	1724	1952	6382884	6000000	6599999
12	325647	2	10.0	50	1939	1794	0	6713491	6600000	7199999
13	925496	1	17.0	90	1494	0	0	7642720	7200000	7799999
14	291405	2	8.0	65	1467	1090	0	7935619	7800000	8399999
15	769081	1	12.0	55	1873	0	0	8707257	8400000	8999999
	661510									
16	445949	3	15.0	65	1748	1723	1165	9370640	9000000	9599999
17	535745	1	14.0	65	1645	0	0	9821225	9600000	10199999
18		3	9.0	80	1107	1324	1664	10358615	10200000	10799999
19	683536	3	14.0	65	1894	1014	1536	11046246	10800000	11399999
20	380672	2	16.0	65	1554	1692	0	11431362	11400000	11999999
	number of p	ulses in v								

Waveform Num = 8 Num of Bursts = 19

Burst Interval (us) = 631579.0

Burst #	Off Time (us) 529038	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		3	18.0	55	1288	1946	1047	529038	0	631578
2	564667	1	17.0	65	1615	0	0	1097986	631579	1263157
3	208660	1	19.0	70	1907	0	0	1308261	1263158	1894736
4	1202967	1	20.0	100	1242	0	0	2513135	1894737	2526315
5	426498	1	6.0	95	1560	0	0	2940875	2526316	3157894
	282065	2	20.0	95	1474	1580		3224500	3157895	
6	691661						0			3789473
7	1073833	2	6.0	65	1096	1084	0	3919215	3789474	4421052
8	161659	1	19.0	75	1596	0	0	4995228	4421053	5052631
9	566711	1	20.0	70	1363	0	0	5158483	5052632	5684210
10		2	6.0	95	1999	1575	0	5726557	5684211	6315789
11	719257	1	7.0	50	1328	0	0	6449388	6315790	6947368
12	946300	3	18.0	80	1855	1865	1252	7397016	6947369	7578947
13	356779	3	18.0	75	1957	1167	1292	7758767	7578948	8210526
	816076									
14	490984	2	16.0	90	1449	1768	0	8579259	8210527	8842105
15	996231	1	11.0	55	1699	0	0	9073460	8842106	9473684
16		3	5.0	85	1158	1520	1214	10071390	9473685	10105263
17	571470	3	19.0	85	1156	1713	1369	10646752	10105264	10736842
18	325431	2	15.0	75	1592	1950	0	10976421	10736843	11368421
19	542987	3	16.0	50	1391	1245	1678	11522950	11368422	12000000
	number of pu	_			T J J T	T747	1070	TT322330	TT300477	12000000

Waveform Num = 9 Num of Bursts = 20 Burst Interval (us) = 600000.0

Burst #	Off Time (us) 353241	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		1	15.0	85	1835	0	0	353241	0	599999
2	611386	1	9.0	90	1521	0	0	966462	600000	1199999
3	558282	1	9.0	80	1324	0	0	1526265	1200000	1799999
4	595777	1	13.0	70	1943	0	0	2123366	1800000	2399999
5	608595	3	18.0	75	1178	1656	1310	2733904	2400000	2999999
6	494320	2	6.0	80	1360	1351	0	3232368	3000000	3599999
	659547									
7	589789	2	9.0	90	1121	1820	0	3894626	3600000	4199999
8		1	15.0	100	1071	0	0	4487356	4200000	4799999
9	600371	1	12.0	75	1920	0	0	5088798	4800000	5399999
10	599809	2	7.0	65	1346	1094	0	5690527	5400000	5999999
11	812650	1	8.0	85	1120	0	0	6505617	6000000	6599999
12	361265	1	20.0	80	1344	0	0	6868002	6600000	7199999
	671867	1				U				7199999
13	720103	3	6.0	95	1458	1843	1728	7541213	7200000	7799999
14		3	8.0	100	1661	1442	1257	8266345	7800000	8399999
15	339919	1	7.0	85	1333	0	0	8610624	8400000	8999999
16	911599	2	6.0	55	1964	1925	0	9523556	9000000	9599999
	456877	2				1923		9323330		9399999
17	535093	1	18.0	85	1799	0	0	9984322	9600000	10199999
18		1	5.0	65	1547	0	0	10521214	10200000	10799999
19	730482	3	8.0	60	1469	1110	1756	11253243	10800000	11399999
	174108									
20 Total	number of p	3 ulses in v	11.0 waveform	75 = 34	1318	1709	1512	11431686	11400000	11999999

Waveform Num = 10 Num of Bursts = 14

Burst Interval (us) = 857143.0

Burst #	Off Time (us) 604485	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		2	11.0	80	1670	1408	0	604485	0	857142
2	458911	2	7.0	90	1189	1977	0	1066474	857143	1714285
3	970024	3	8.0	55	1981	1134	1006	2039664	1714286	2571428
4	885102	2	8.0	75	1282	1370	0	2928887	2571429	3428571
5	815694	1	11.0	55	1594	0	0	3747233	3428572	4285714
6	565051	1	5.0	70	1312	0	0	4313878	4285715	5142857
7	1032373	3	8.0	100	1351	1382	1618	5347563	5142858	600000
8	1110368	3	17.0	75	1607	1971	1813	6462282	6000001	6857143
9	851834	2	18.0	50	1777	1968	0	7319507	6857144	7714286
10	873541	2		95						
10	766259	2	13.0	95	1936	1262	0	8196793	7714287	8571429
11	484508	2	16.0	80	1863	1711	0	8966250	8571430	9428572
12	1068855	1	20.0	80	1664	0	0	9454332	9428573	10285715
13		3	14.0	70	1760	1866	1629	10524851	10285716	11142858
14 Total r	658820 number of pu	2 ulses in v	13.0 waveform	60 = 29	1899	1129	0	11188926	11142859	12000001

Waveform Num = 11 Num of Bursts = 18

Burst Interval (us) = 666667.0

Burst #	Off Time (us) 171146	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		1	10.0	65	1812	0	0	171146	0	666666
2	556158	3	9.0	75	1671	1424	1133	729116	666667	1333333
3	935701	1	18.0	85	1352	0	0	1669045	1333334	2000000
4	399984	3	16.0	75	1125	1811	1108	2070381	2000001	2666667
5	1077395	3	17.0	95	1460	1241	1629	3151820	2666668	3333334
6	415077	3	14.0	55	1495	1398	1479	3571227	3333335	4000001
	1001632									
7	330511	3	8.0	65	1025	1659	1326	4577231	4000002	4666668
8	968307	3	18.0	50	1685	1497	1281	4911752	4666669	5333335
9	654620	3	12.0	75	1317	1526	1534	5884522	5333336	6000002
10		3	19.0	95	1193	1879	1459	6543519	6000003	6666669
11	314844	1	19.0	85	1007	0	0	6862894	6666670	7333336
12	542742	2	12.0	50	1095	1721	0	7406643	7333337	8000003
13	983351	1	13.0	85	1612	0	0	8392810	8000004	8666670
14	897081	1	5.0	95	1191	0	0	9291503	8666671	9333337
	562820									
15	744731	1	6.0	55	1805	0	0	9855514	9333338	10000004
16	602833	3	14.0	65	1233	1604	1899	10602050	10000005	10666671
17	260068	3	16.0	100	1840	1544	1988	11209619	10666672	11333338
18	number of p	2	20.0	85	1500	1706	0	11475059	11333339	12000005
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Waveform Num = 12 Num of Bursts = 16

Burst Interval (us) = 750000.0

Burst #	Off Time (us) 112033	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		1	20.0	65	1792	0	0	112033	0	749999
2	1174705	3	14.0	70	1395	1613	1389	1288530	750000	1499999
3	374337	3	18.0	70	1541	1235	1236	1667264	1500000	2249999
4	816145	1	17.0	85	1278	0	0	2487421	2250000	2999999
5	707622	1	20.0	75	1071	0	0	3196321	300000	3749999
6	721304	2	13.0	60	1235	1155	0	3918696	3750000	4499999
7	931183	1	15.0	65	1624	0	0	4852269	4500000	5249999
8	422058	2	9.0	55	1958	1782	0	5275951		5999999
	1411112								5250000	
9	616932	3	7.0	85	1939	1280	1248	6690803	6000000	6749999
10	699950	3	5.0	90	1195	1366	1571	7312202	6750000	7499999
11	902310	2	19.0	60	1395	1575	0	8016284	7500000	8249999
12	755161	3	13.0	100	1419	1627	1052	8921564	8250000	8999999
13		2	9.0	80	1786	1306	0	9680823	9000000	9749999
14	686288	1	12.0	70	1037	0	0	10370203	9750000	10499999
15	204016	1	12.0	65	1204	0	0	10575256	10500000	11249999
16	750153	2	5.0	100	1926	1507	0	11326613	11250000	11999999
Total r	number of p	ulses in v	waveform	= 31						

Waveform Num = 13
Num of Bursts = 16

Burst Interval (us) = 750000.0

Burst #	Off Time (us) 233489	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		3	13.0	60	1787	1159	1544	233489	0	749999
2	1189168	3	10.0	50	1010	1959	1426	1427147	750000	1499999
3	579652	2	14.0	80	1487	1053	0	2011194	1500000	2249999
4	792670	2	14.0	60	1515	1746	0	2806404	2250000	2999999
5	414725	1	16.0	55	1048	0	0	3224390	300000	3749999
6	962130	2	17.0	100	1543	1397	0	4187568	3750000	4499999
7	953890	2	15.0	70	1305	1726	0	5144398	4500000	5249999
	217213									
8	1189017	3	15.0	85	1785	1552	1681	5364642	5250000	5999999
9	276163	1	15.0	95	1202	0	0	6558677	6000000	6749999
10	795265	2	16.0	65	1419	1070	0	6836042	6750000	7499999
11	820636	1	13.0	75	1080	0	0	7633796	7500000	8249999
12	580608	2	7.0	75	1636	1752	0	8455512	8250000	8999999
13		2	17.0	95	1583	1790	0	9039508	9000000	9749999
14	793023	3	10.0	85	1896	1356	1912	9835904	9750000	10499999
15	999011	1	15.0	90	1440	0	0	10840079	10500000	11249999
16	551982	1	10.0	100	1343	0	0	11393501	11250000	11999999
	number of p	ulses in v				-	-			<del></del>

Waveform Num = 14 Num of Bursts = 20

Burst Interval (us) = 600000.0

Burst #	Off Time (us) 519367	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		1	8.0	55	1421	0	0	519367	0	599999
2	216999	3	10.0	75	1941	1576	1870	737787	600000	1199999
3	754132	3	16.0	60	1362	1694	1161	1497306	1200000	1799999
4	738063	3	8.0	65	1500	1535	1181	2239586	1800000	2399999
5	579385	2	16.0	85	1066	1081	0	2823187	2400000	2999999
	588014		6.0							
6	594135	1		60	1817	0	0	3413348	3000000	3599999
7	397703	2	7.0	60	1810	1618	0	4009300	3600000	4199999
8		2	8.0	100	1378	1985	0	4410431	4200000	4799999
9	846574	1	19.0	50	1389	0	0	5260368	4800000	5399999
10	348813	2	7.0	60	1922	1319	0	5610570	5400000	5999999
11	594845	2	5.0	95	1471	1738	0	6208656	6000000	6599999
	498267									
12	893991	2	8.0	65	1813	1845	0	6710132	6600000	7199999
13		3	16.0	80	1560	1385	1977	7607781	7200000	7799999
14	291029	3	19.0	85	1363	1053	1127	7903732	7800000	8399999
15	556501	2	14.0	75	1224	1334	0	8463776	8400000	8999999
	699277			60				0165611	000000	050000
16	812011	1	5.0	60	1946	0	0	9165611	9000000	9599999
17	693233	3	11.0	50	1581	1490	1404	9979568	9600000	10199999
18		1	11.0	65	1024	0	0	10677276	10200000	10799999
19	521814	2	8.0	90	1976	1645	0	11200114	10800000	11399999
	761651									
20 Total 1	number of p	1 ulses in v	12.0 waveform	50 = 40	1377	0	0	11965386	11400000	11999999

Waveform Num = 15 Num of Bursts = 15

Burst Interval (us) = 800000.0

Burst #	Off Time (us) 521850	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		1	15.0	65	1875	0	0	521850	0	799999
2	465049 1374594	3	15.0	50	1572	1652	1210	988774	800000	1599999
3		2	10.0	75	1304	1376	0	2367802	1600000	2399999
4	232183	3	8.0	50	1413	1670	1209	2602665	2400000	3199999
5	737824	2	10.0	75	1783	1153	0	3344781	3200000	3999999
6	1212497	2	11.0	90	1856	1278	0	4560214	400000	4799999
	453895	2								
7	1119478	3	6.0	75	1397	1276	1603	5017243	4800000	5599999
8		3	17.0	90	1420	1450	1971	6140997	5600000	6399999
9	654803	1	18.0	50	1486	0	0	6800641	6400000	7199999
10	928588	2	19.0	85	1585	1255	0	7730715	7200000	7999999
	520264	2						0.05.001.0	000000	0.500000
11	1096548	2	10.0	80	1533	1831	0	8253819	8000000	8799999
12	706045	1	14.0	70	1386	0	0	9353731	8800000	9599999
13	786945	1	6.0	55	1419	0	0	10142062	9600000	10399999
14	793007	2	20.0	50	1591	1807	0	10936488	10400000	11199999
	1007854	2	20.0	30	1391	1007	U	10930466	10400000	11199999
15	number of m	3	7.0	60	1991	1599	1460	11947740	11200000	11999999
IOLAI I	number of p	urses IU /	waverorm	– эт						

Waveform Num = 16 Num of Bursts = 19

Burst Interval (us) = 631579.0

Burst #	Off Time (us) 506232	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		1	19.0	70	1730	0	0	506232	0	631578
2	441560	3	16.0	60	1658	1332	1561	949522	631579	1263157
3	453531	1	11.0	65	1832	0	0	1407604	1263158	1894736
4	903738	3	18.0	75	1483	1165	1173	2313174	1894737	2526315
5	272937	3	11.0	100	1883	1405	1863	2589932	2526316	3157894
6	1167387	3	13.0	65	1888	1271	1421	3762470	3157895	3789473
7	203966	1	14.0	90	1151	0	0	3971016	3789474	4421052
8	565836	2	14.0	65	1551	1947	0	4538003	4421053	5052631
9	953822	2	8.0	95	1276	1771	0	5495323	5052632	5684210
10	273810	1	8.0	65	1099	0	0	5772180	5684211	6315789
11	894883	3	15.0	90	1990	1961	1679	6668162	6315790	6947368
12	794802	1	17.0	80	1829	0	0	7468594	6947369	7578947
13	300358	2	14.0	80	1708	1322	0	7770781	7578948	8210526
14	447262	3	20.0	70	1404	1686	1429	8221073	8210527	8842105
	863691									
15	631672	2	18.0	90	1521	1401	0	9089283	8842106	9473684
16	926219	1	16.0	70	1327	0	0	9723877	9473685	10105263
17	619648	1	7.0	60	1343	0	0	10651423	10105264	10736842
18		2	13.0	80	1523	1627	0	11272414	10736843	11368421
19 Total r	366752 number of p	1 ulses in v	17.0 waveform	75 = 36	1779	0	0	11642316	11368422	12000000

Waveform Num = 17 Num of Bursts = 20

Burst Interval (us) = 600000.0

Burst #	Off Time (us) 104958	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	985260	3	6.0	50	1037	1246	1516	104958	0	599999
2		1	5.0	75	1274	0	0	1094017	600000	1199999
3	443499	2	14.0	60	1874	1309	0	1538790	1200000	1799999
4	776303	3	16.0	65	1281	1597	1272	2318276	1800000	2399999
5	560410	1	11.0	90	1233	0	0	2882836	2400000	2999999
6	224455	3	11.0	75	1257	1908	1294	3108524	3000000	3599999
	533902									
7	1127030	3	9.0	65	1853	1407	1030	3646885	3600000	4199999
8		1	14.0	55	1745	0	0	4778205	4200000	4799999
9	141899	1	5.0	95	1336	0	0	4921849	4800000	5399999
10	1035438	1	15.0	80	1061	0	0	5958623	5400000	5999999
11	506176	3	12.0	75	1702	1964	1522	6465860	6000000	6599999
	712276									
12	460220	3	9.0	55	1019	1791	1501	7183324	6600000	7199999
13		1	14.0	85	1935	0	0	7647855	7200000	7799999
14	726539	1	14.0	75	1715	0	0	8376329	7800000	8399999
15	290984	1	16.0	75	1927	0	0	8669028	8400000	8999999
	418744									
16	962605	1	18.0	75	1444	0	0	9089699	9000000	9599999
17		1	10.0	100	1659	0	0	10053748	9600000	10199999
18	489735	2	20.0	55	1105	1851	0	10545142	10200000	10799999
19	568409	1	F 0	100	1021	0	0	11116507	1000000	1120000
13	347882	Τ	5.0	100	1031	0	0	11116507	10800000	11399999
20		1	7.0	80	1749	0	0	11465420	11400000	11999999
rotal 1	number of p	urses in v	wavelorm	= 34						

Waveform Num = 18 Num of Bursts = 13

Burst Interval (us) = 923077.0

Burst #	Off Time (us) 848939	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	408005	3	12.0	100	1123	1686	1851	848939	0	923076
2		2	6.0	90	1577	1574	0	1261604	923077	1846153
3	734694	2	14.0	65	1490	1934	0	1999449	1846154	2769230
4	1643523	1	8.0	100	1922	0	0	3646396	2769231	3692307
5	151572	3	10.0	95	1760	1013	1290	3799890	3692308	4615384
6	1395593	2	11.0	100	1154	1692	0	5199546	4615385	5538461
7	985649	3	14.0	60	1657	1408	1925	6188041	5538462	6461538
8	478831	3	20.0	50	1409	1366	1000	6671862	6461539	7384615
	1112679	_								
9	794804	2	10.0	90	1087	1828	0	7788316	7384616	8307692
10	766000	2	19.0	50	1389	1601	0	8586035	8307693	9230769
11	766890	1	19.0	80	1911	0	0	9355915	9230770	10153846
12	832864	3	20.0	100	1309	1577	1879	10190690	10153847	11076923
13	1784591	1	16.0	85	1437	0	0	11980046	11076924	1200000
Total r	number of p	ulses in v	waveform	= 28						

Waveform Num = 19 Num of Bursts = 15

Burst Interval (us) = 800000.0

Burst #	Off Time (us) 452437	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		3	5.0	60	1509	1055	1020	452437	0	799999
2	416999 901616	1	10.0	75	1007	0	0	873020	800000	1599999
3		3	15.0	65	1074	1216	1523	1775643	1600000	2399999
4	1013941 628196	2	9.0	80	1186	1443	0	2793397	2400000	3199999
5	020190	2	12.0	70	1239	1291	0	3424222	3200000	3999999
6	1216661	2	7.0	90	1101	1004	0	4643413	4000000	4799999
7	301349	2	8.0	65	1482	1133	0	4946867	4800000	5599999
8	1141412	1	16.0	85	1631	0	0	6090894	5600000	6399999
9	1006878	3	20.0	100	1778	1326	1508	7099403	6400000	7199999
10	820932	2	8.0	75	1537	1348	0	7924947	7200000	7999999
11	375433	2	16.0	70	1467	1720	0	8303265	8000000	8799999
1.0	986388	1	16.0		1205	0	0	0000040	000000	050000
12	1054089	1	16.0	55	1305	0	0	9292840	8800000	9599999
13	C0C010	1	17.0	55	1686	0	0	10348234	9600000	10399999
14	686918 572067	2	11.0	55	1082	1460	0	11036838	10400000	11199999
15	5/200/	3	14.0	60	1804	1948	1830	11611447	11200000	11999999
Total n	umber of pu	ılses in v	waveform	= 30						

Waveform Num = 20 Num of Bursts = 8

Burst Interval (us) = 1500000.0

Burst #	Off Time (us) 662285	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		2	19.0	80	1245	1628	0	662285	0	1499999
2	837174	3	19.0	95	1041	1792	1311	1502332	1500000	2999999
3	2020714	2	10.0	50	1580	1191	0	3527190	3000000	4499999
	1401026	_								
4	1171803	1	7.0	75	1893	0	0	4930987	4500000	5999999
5	2476421	1	6.0	70	1380	0	0	6104683	6000000	7499999
6	2476431	1	7.0	65	1584	0	0	8582494	7500000	8999999
7	950478	2	19.0	50	1793	1040	0	9534556	9000000	10499999
	1572684	_								
8 Total r	number of pu	2 ulses in v	15.0 waveform	55 = 14	1840	1648	0	11110073	10500000	11999999

Waveform Num = 21 Num of Bursts = 20

Burst Interval (us) = 600000.0

Burst #	Off Time (us) 125634	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		2	10.0	90	1616	1430	0	125634	0	599999
2	675508	2	13.0	85	1243	1071	0	804188	600000	1199999
3	954219	3	17.0	95	1072	1398	1536	1760721	1200000	1799999
4	158242	2	10.0	65	1560	1653	0	1922969	1800000	2399999
5	828739	1	18.0	95	1697	0	0	2754921	2400000	2999999
6	283915	2	19.0	55	1930	1171	0	3040533	3000000	3599999
	626177									
7	1011404	2	8.0	70	1008	1383	0	3669811	3600000	4199999
8		3	15.0	95	1178	1837	1890	4683606	4200000	4799999
9	149760	2	20.0	100	1887	1142	0	4838271	4800000	5399999
10	1072809	2	20.0	75	1864	1558	0	5914109	5400000	5999999
11	540884	1	14.0	85	1943	0	0	6458415	6000000	6599999
	426874									
12	407458	1	10.0	90	1935	0	0	6887232	6600000	7199999
13		3	20.0	55	1870	1312	1316	7296625	7200000	7799999
14	1041017	1	13.0	65	1524	0	0	8342140	7800000	8399999
1.5	264085	•	0 0			1046			0.400000	000000
15	523418	2	8.0	75	1342	1346	0	8607749	8400000	8999999
16		2	10.0	100	1918	1974	0	9133855	9000000	9599999
17	591741	2	14.0	80	1483	1906	0	9729488	9600000	10199999
18	759706	3	16.0	80	1484	1449	1574	10492583	10200000	10799999
	780106	J	10.0	00	1101	1117	13/1	10492303	1020000	1079999
19	138361	1	10.0	55	1676	0	0	11277196	10800000	11399999
20	T3030T	1	14.0	60	1684	0	0	11417233	11400000	11999999
Total	number of p	ulses in v	waveform	= 38						

Waveform Num = 22 Num of Bursts = 17

Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	621152	2	17.0	55	1357	1627	0	621152	0	705881
2	359710	3	16.0	50	1086	1033	1459	983846	705882	1411763
3	734378	1	15.0	55	1827	0	0	1721802	1411764	2117645
4	876214	3	11.0	55	1652	1420	1053	2599843	2117646	2823527
5	490391	1	20.0	70	1292	0	0	3094359	2823528	3529409
6	829356	2	10.0	75	1674	1848	0	3925007	3529410	4235291
7	492084	3								
	918390	3	8.0	75	1891	1051	1817	4420613	4235292	4941173
8	314039	3	14.0	85	1441	1879	1506	5343762	4941174	5647055
9		1	6.0	100	1835	0	0	5662627	5647056	6352937
10	1000322	1	14.0	65	1013	0	0	6664784	6352938	7058819
11	957824	1	6.0	95	1265	0	0	7623621	7058820	7764701
12	487120	2	7.0	60	1865	1102	0	8112006	7764702	8470583
	1016485	2								
13	318073	2	11.0	80	1609	1318	0	9131458	8470584	9176465
14	841220	2	7.0	70	1905	1071	0	9452458	9176466	9882347
15		2	18.0	85	1288	1215	0	10296654	9882348	10588229
16	368742	2	16.0	95	1666	1884	0	10667899	10588230	11294111
17	771232	2	16.0	55	1659	1824	0	11442681	11294112	11999993
	number of p				•					

Waveform Num = 23 Num of Bursts = 17

Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	43661	2	17.0	100	1643	1518	0	43661	0	705881
2	808778	2	13.0	50	1516	1816	0	855600	705882	1411763
3	611149	1	16.0	75	1024	0	0	1470081	1411764	2117645
4	755711	3	15.0	90	1067	1229	1480	2226816	2117646	2823527
5	824421	1	20.0	90	1936	0	0	3055013	2823528	3529409
6	742040	2	6.0	55	1024	1334	0	3798989	3529410	4235291
7	844165	1	8.0	55	1787	0	0	4645512	4235292	4941173
8	888737	2	13.0	55	1054	1525	0	5536036	4941174	5647055
9	706939	3	5.0	50	1558	1483	1507	6245554	5647056	6352937
10	142533	3	11.0	85	1833	1390	1283	6392635	6352938	7058819
11	1111531	3	10.0	55	1395	1761	1492	7508672	7058820	7764701
12	674915	1	5.0	75	1365	0	0	8188235	7764702	8470583
	307705									
13	697013	1	17.0	60	1345	0	0	8497305	8470584	9176465
14	1370050	1	15.0	75	1032	0	0	9195663	9176466	9882347
15		3	18.0	80	1394	1115	1706	10566745	9882348	10588229
16	607255	2	10.0	75	1696	1447	0	11178215	10588230	11294111
17	506391	3	10.0	75	1601	1666	1818	11687749	11294112	11999993
Total r	number of pu	ulses in v	waveform	= 34						

Waveform Num = 24 Num of Bursts = 8

Burst Interval (us) = 1500000.0

Burst #	Off Time (us) 391680	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		2	15.0	90	1263	1831	0	391680	0	1499999
2	2295098	1	20.0	95	1619	0	0	2689872	1500000	2999999
3	1448965	1	18.0	80	1151	0	0	4140456	3000000	4499999
4	1805875	1	20.0	85	1819	0	0	5947482	4500000	5999999
5	410941	2	6.0	100	1908	1601	0	6360242	6000000	7499999
6	1357683	2	18.0	65	1429	1968	0	7721434	7500000	8999999
7	2511917	2	9.0	90	1236	1169	0	10236748	9000000	10499999
8	761156	2	5.0	60	1525	1611	0	11000309	10500000	11999999
Total r	number of p	ulses in v	waveform	= 13						

Waveform Num = 25 Num of Bursts = 20

Burst Interval (us) = 600000.0

Burst #	Off Time (us) 82480	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)	
1		3	8.0	75	1093	1269	1000	82480	0	599999	
2	532950	3	8.0	55	1673	1365	1725	618792	600000	1199999	
3	1078037	1	18.0	95	1947	0	0	1701592	1200000	1799999	
4	557146	1	11.0	55	1536	0	0	2260685	1800000	2399999	
5	591714	3	19.0	65	1039	1287	1385	2853935	2400000	2999999	
	488728										
6	360423	3	12.0	100	1792	1300	1859	3346374	3000000	3599999	
7	981941	1	12.0	70	1192	0	0	3711748	3600000	4199999	
8		1	16.0	75	1974	0	0	4694881	4200000	4799999	
9	234054	3	15.0	75	1890	1972	1520	4930909	4800000	5399999	
10	514874	3	10.0	50	1003	1903	1541	5451165	5400000	5999999	
	886545										
11	666412	1	14.0	80	1777	0	0	6342157	6000000	6599999	
12	319741	1	6.0	100	1675	0	0	7010346	6600000	7199999	
13		3	11.0	60	1099	1624	1058	7331762	7200000	7799999	
14	760930	3	9.0	85	1087	1558	1931	8096473	7800000	8399999	
15	735677	2	10.0	85	1956	1293	0	8836726	8400000	8999999	
	312495			0.5					8400000	0999999	
16	789293	2	5.0	75	1627	1597	0	9152470	9000000	9599999	
17		3	15.0	70	1849	1361	1044	9944987	9600000	10199999	
18	251913	3	18.0	65	1855	1263	1016	10201154	10200000	10799999	
1.0	1113604		0.0	0.0	1.40.4	2		11010000	1000000	112222	
19	330526	1	8.0	90	1434	0	0	11318892	10800000	11399999	
20		2	16.0	80	1990	1556	0	11650852	11400000	11999999	
Total	Total number of pulses in waveform = 43										

Waveform Num = 26 Num of Bursts = 13

Burst Interval (us) = 923077.0

Burst #	Off Time (us) 46380	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1099445	2	19.0	65	2000	1517	0	46380	0	923076
2		3	15.0	55	1881	1129	1395	1149342	923077	1846153
3	1142201	3	12.0	100	1824	1101	1884	2295948	1846154	2769230
4	518227	3	14.0	100	1274	1408	1073	2818984	2769231	3692307
5	1254204	1	6.0	80	1894	0	0	4076943	3692308	4615384
6	1027926	3	20.0	85	1203	1642	1979	5106763	4615385	5538461
7	1159956	2	16.0	65	1105	1840	0	6271543	5538462	6461538
·	480480									
8	667751	1	8.0	75	1776	0	0	6754968	6461539	7384615
9	902654	1	11.0	85	1370	0	0	7424495	7384616	8307692
10	932495	2	17.0	70	1604	1886	0	8328519	8307693	9230769
11	1454873	3	7.0	75	1528	1516	1176	9264504	9230770	10153846
12		1	11.0	50	1021	0	0	10723597	10153847	11076923
13 Total r	1027404 number of pu	3 ulses in v	13.0 waveform	95 = 28	1134	1403	1687	11752022	11076924	12000000

Waveform Num = 27 Num of Bursts = 15

Burst Interval (us) = 800000.0

Burst #	Off Time (us) 698056	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		1	11.0	60	1412	0	0	698056	0	799999
2	296080 1310397	1	13.0	75	1203	0	0	995548	800000	1599999
3		3	7.0	50	1272	1881	1133	2307148	1600000	2399999
4	481695 719649	1	14.0	100	1252	0	0	2793129	2400000	3199999
5		3	14.0	60	1692	1715	1593	3514030	3200000	3999999
6	845289	2	11.0	85	1315	1752	0	4364319	4000000	4799999
7	561191	2	6.0	90	1638	1680	0	4928577	4800000	5599999
8	1076631	1	10.0	50	1424	0	0	6008526	5600000	6399999
9	613092	3	12.0	75	1142	1583	1809	6623042	6400000	7199999
10	1282048	2	11.0	90	1487	1227	0	7909624	7200000	7999999
11	593144 703774	3	6.0	80	1086	1508	1382	8505482	8000000	8799999
12	1039473	2	9.0	65	1541	1806	0	9213232	8800000	9599999
13	534947	2	8.0	75	1797	1394	0	10256052	9600000	10399999
14	881276	3	5.0	55	1296	1196	1061	10794190	10400000	11199999
15	001270	1	19.0	100	1280	0	0	11679019	11200000	11999999
Total r	number of pu	ılses in v	vaveform	= 30						

Waveform Num = 28
Num of Bursts = 9

Burst Interval (us) = 1333333.0

Burst #	Off Time (us) 1224921	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	500611	3	12.0	50	1963	1938	1380	1224921	0	1333332
2		2	11.0	60	1009	1178	0	1730813	1333333	2666665
3	1332426	3	12.0	90	1728	1854	1609	3065426	2666666	3999998
4	2213381	1	15.0	55	1368	0	0	5283998	3999999	5333331
5	715518	2	7.0	60	1095	1782	0	6000884	5333332	6666664
6	1492723	3	15.0	55	1804	1045	1592	7496484	6666665	7999997
7	618562	2	13.0	80	1672	1001	0	8119487	7999998	9333330
8	2510359	2	13.0	60	1745	1872	0	10632519	9333331	10666663
9	34845	2	7.0	90	1451	1547	0	10670981	10666664	11999996
Total number of pulses in waveform = 20										

Waveform Num = 29 Num of Bursts = 18

Burst Interval (us) = 666667.0

Burst #	Off Time (us) 318859	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)	
1		2	18.0	70	1687	1741	0	318859	0	666666	
2	638585 879884	2	6.0	65	1831	1293	0	960872	666667	1333333	
3		3	9.0	80	1145	1955	1974	1843880	1333334	2000000	
4	756757	2	14.0	100	1662	1505	0	2605711	2000001	2666667	
5	617674	2	15.0	75	1065	1189	0	3226552	2666668	3333334	
6	333902	1	9.0	60	1816	0	0	3562708	3333335	4000001	
7	1035457	1	5.0	75	1939	0	0	4599981	4000002	4666668	
8	288707	3	13.0	95	1823	1344	1122	4890627	4666669	5333335	
9	550163	1	12.0	100	1817	0	0	5445079	5333336	6000002	
10	906301	2	7.0	80	1679	1712	0	6353197	6000003	6666669	
11	619713	3	9.0	80	1436	1665	1131	6976301	6666670	7333336	
12	839609	3	16.0	60	1993	1681	1983	7820142	7333337	8000003	
13	602305	2	15.0	50	1816	1704	0	8428104	8000004	8666670	
	258581										
14	904542	3	10.0	85	1456	1194	1467	8690205	8666671	9333337	
15	508952	1	18.0	95	1480	0	0	9598864	9333338	10000004	
16	861309	3	13.0	55	1404	1006	1481	10109296	10000005	10666671	
17		1	19.0	60	1760	0	0	10974496	10666672	11333338	
18	884395	2	6.0	75	1738	1915	0	11860651	11333339	12000005	
Total r	Total number of pulses in waveform = 37										

Waveform Num = 30
Num of Bursts = 14

Burst Interval (us) = 857143.0

Burst #	Off Time (us) 557223	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1		3	12.0	60	1383	1545	1674	557223	0	857142
2	342675	3	18.0	80	1727	1350	1812	904500	857143	1714285
3	939278	1	9.0	90	1669	0	0	1848667	1714286	2571428
4	900725	2	5.0	80	1416	1680	0	2751061	2571429	3428571
5	1221677	2	7.0	85	1324	1952	0	3975834	3428572	4285714
6	1087578	3	6.0	55	1261	1025	1296	5066688	4285715	5142857
7	415753	3	19.0	75	1779	1167	1584	5486023	5142858	6000000
8	742985	3	14.0	100	1815	1261	1744	6233538	6000001	6857143
9	1129704	1	9.0	90	1882	0	0	7368062	6857144	7714286
9	833075	Т	9.0	90	1002	U	U	7308002	005/144	//14200
10	479906	2	5.0	85	1499	1999	0	8203019	7714287	8571429
11	1024151	1	10.0	80	1022	0	0	8686423	8571430	9428572
12		1	7.0	50	1425	0	0	9711596	9428573	10285715
13	1161901	2	20.0	90	1193	1927	0	10874922	10285716	11142858
14 Total r	1087951 number of p	1 ulses in v	17.0 waveform	65 = 28	1332	0	0	11965993	11142859	12000001