Channel 58 Bandwidth 80MHz

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2016/08/03~2016/08/11	Relative Humidity:	51~54	%

T-:1 #	Pulse Repetition	Pulse Repetition	Pulse Repetition	Detection
Trial #	Frequency	Frequency	Interval	(Yes / No)
	Number (1 to 23)	(Pulses Per Second)	(Microseconds)	, ,
1	22	1066.10	938	Yes
2	10	1432.66	698	Yes
3	6	1618.12	618	Yes
4	2	1858.74	538	No
5	19	1138.95	878	Yes
6	12	326.16	3066	Yes
7	7	1567.40	638	Yes
8	21	1089.32	918	Yes
9	17	1193.32	838	Yes
10	18	1165.50	858	Yes
11	15	1253.13	798	Yes
12	11	1392.76	718	Yes
13	4	1730.10	578	Yes
14	5	1672.24	598	Yes
15	3	1792.11	558	Yes
16		394.32	2536	Yes
17	7	1035.20	966	Yes
18	7	1209.19	827	Yes
19	7	399.84	2501	Yes
20	7	385.36	2595	Yes
21	7	897.67	1114	Yes
22	7	768.05	1302	Yes
23	7	328.41	3045	Yes
24	7	615.76	1624	Yes
25	7	347.46	2878	Yes
26	7	973.71	1027	Yes
27	7	402.41	2485	Yes
28	7	625.00	1600	Yes
29	7	853.24	1172	Yes
30	7	849.62	1177	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	26	3.20	179	Yes
2	23	1.10	207	Yes
3	24	2.10	230	Yes
4	29	4.80	200	Yes
5	28	3.90	214	Yes
6	26	2.90	222	No
7	26	3.20	204	Yes
8	25	2.50	192	Yes
9	26	3.10	164	Yes
10	23	1.20	156	No
11	27	3.90	210	Yes
12	29	4.60	201	Yes
13	26	3.20	162	Yes
14	25	2.20	197	No
15	29	4.50	163	Yes
16	26	3.00	203	Yes
17	29	5.00	168	Yes
18	25	2.40	217	Yes
19	26	2.90	191	No
20	25	2.30	166	Yes
21	27	3.70	150	Yes
22	25	2.20	176	Yes
23	29	4.90	195	Yes
24	26	2.90	202	Yes
25	25	2.50	178	Yes
26	23	1.10	206	Yes
27	27	3.80	155	Yes
28	29	4.70	157	Yes
29	25	2.40	224	Yes
30	28	4.20	159	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	57	1.00	938	Yes
2	76	1.00	698	Yes
3	86	1.00	618	Yes
4	99	1.00	538	Yes
5	61	1.00	878	Yes
6	18	1.00	3066	Yes
7	83	1.00	638	Yes
8	58	1.00	918	Yes
9	63	1.00	838	No
10	62	1.00	858	Yes
11	67	1.00	798	Yes
12	74	1.00	718	Yes
13	92	1.00	578	Yes
14	89	1.00	598	Yes
15	95	1.00	558	Yes
16	21	1.00	2536	Yes
17	55	1.00	966	Yes
18	64	1.00	827	Yes
19	22	1.00	2501	Yes
20	21	1.00	2595	Yes
21	48	1.00	1114	Yes
22	41	1.00	1302	Yes
23	18	1.00	3045	Yes
24	33	1.00	1624	Yes
25	19	1.00	2878	Yes
26	52	1.00	1027	Yes
27	22	1.00	2485	Yes
28	33	1.00	1600	Yes
29	46	1.00	1172	Yes
30	45	1.00	1177	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	57	1.00	938	Yes
2	76	1.00	698	Yes
3	86	1.00	618	Yes
4	99	1.00	538	Yes
5	61	1.00	878	Yes
6	18	1.00	3066	Yes
7	83	1.00	638	Yes
8	58	1.00	918	Yes
9	63	1.00	838	Yes
10	62	1.00	858	Yes
11	67	1.00	798	Yes
12	74	1.00	718	Yes
13	92	1.00	578	Yes
14	89	1.00	598	Yes
15	95	1.00	558	No
16	21	1.00	2536	Yes
17	55	1.00	966	Yes
18	64	1.00	827	Yes
19	22	1.00	2501	Yes
20	21	1.00	2595	Yes
21	48	1.00	1114	Yes
22	41	1.00	1302	Yes
23	18	1.00	3045	Yes
24	33	1.00	1624	Yes
25	19	1.00	2878	Yes
26	52	1.00	1027	Yes
27	22	1.00	2485	Yes
28	33	1.00	1600	Yes
29	46	1.00	1172	Yes
30	45	1.00	1177	Yes

Trial Number:		1			Detection	
Number of Bursts in Trial:			9	(Yes/No)		
Chir	p Center Fre	equency:		5290		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55	6			456091
2	1	64.9	6			778946
3	1	52	6			1101904
4	2	74.2	6	1019		93064
5	2	76.7	6	1180		415903
6	1	60	6			739340
7	1	53.1	6			1062002
8	2	80.8	6	1772		53279
9	2	66.8	6	1308		375962
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20				_		

	Trial Number:			mber: 2			
Num	ber of Burst	s in Trial:		11	(Yes/No)		
Chir	Chirp Center Frequency:			5290		Yes	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	1	57.3	9			572286	
2	1	60.1	9			836083	
3	3	89.6	9	1440	1575	11057	
4	2	79.5	9	1369		274996	
5	3	98.8	9	1099	1275	538369	
6	3	84.7	9	1650	1769	801389	
7	1	51.4	9			1068068	
8	2	69.8	9	1983		242218	
9	2	83.3	9	1950		506136	
10	1	50.9	9			770863	
11	2	71.4	9	1116		1034768	
12							
13							
14							
15							
16							
17							
18							
19							
20							

Trial Number:		3			Detection	
Number of Bursts in Trial:		8			(Yes/No)	
Chir	p Center Fre	equency:		5290		No
Burst		Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	94.2	5	1478	1777	288532
2	2	82.9	5	1681		651974
3	2	73.5	5	1889		1014683
4	2	75.8	5	1295		1378001
5	2	69.7	5	1075		244188
6	3	86.9	5	1907	1463	606557
7	3	97.4	5	1072	1173	969693
8	2	76.9	5	1193		1333926
9						
10						
11						
12						
13						
14						
15						
16						
17						
18				·	_	
19						
20						

	Trial Numb	er:		4		Detection
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5290		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)
1	1	66.2	12			113987
2	1	63.2	12			321486
3	2	81.6	12	1624		528264
4	3	97.1	12	1125	1787	733969
5	1	62.5	12			88396
6	1	61.5	12			295881
7	3	92.6	12	1645	1343	501606
8	3	92.5	12	1899	1591	708477
9	1	56.1	12			62881
10	3	85.6	12	1837	1392	269320
11	1	61	12			477893
12	1	51.8	12			685309
13	3	95.8	12	1327	1249	37176
14	1	58.5	12			244764
15						
16						
17						
18						
19						
20						

Trial Number:			5		Detection	
	ber of Burst		14			(Yes/No)
Chir	Chirp Center Frequency:			5290		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.4	13	1733		451522
2	3	90.7	13	1570	1285	657471
3	3	87.6	13	1868	1643	11695
4	3	93.5	13	1371	1579	218584
5	3	94.5	13	1105	1147	425679
6	1	53.9	13			634053
7	3	98.2	13	1652	1311	839188
8	3	97.5	13	1351	1316	193137
9	2	83.2	13	1490		400517
10	3	99.6	13	1642	1680	606704
11	1	62.1	13			815936
12	1	51.5	13			168219
13	2	72.3	13	1628		375144
14	2	72.1	13	1065		582695
15						
16						
17						
18						
19						
20						

Trial Number:		6			Detection	
Number of Bursts in Trial:				10		(Yes/No)
Chir	Chirp Center Frequency:			5290		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	91.4	8	1268	1362	1105275
2	2	76.2	8	1870		199366
3	1	54.4	8			490358
4	3	89.9	8	1256	1414	779365
5	1	62.6	8			1071413
6	2	76.3	8	1387		163769
7	1	64.6	8			454651
8	1	53.6	8			745006
9	2	75.7	8	1431		1034301
10	1	63.1	8			128079
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:			7			Detection
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	Chirp Center Frequency:			5290		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						
19						
20						

Trial Number:		8			Detection	
Num	ber of Burst	s in Trial:		16	(Yes/No)	
Chir	Chirp Center Frequency:			5290		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						
19						
20				_		

	Trial Number:			9	Detection	
Num	ber of Burst	s in Trial:		12	(Yes/No)	
Chir	Chirp Center Frequency:			5290		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	51.1	10			169836
2	2	79.9	10	1817		411435
3	2	81.1	10	1203		653492
4	2	71.2	10	1523		894783
5	3	89.2	10	1910	1152	139593
6	2	69.5	10	1149		381670
7	3	94	10	1755	1973	622378
8	2	71.8	10	1465		865458
9	1	65	10			110246
10	2	74.4	10	1489		351980
11	1	66.4	10			594506
12	2	76.5	10	1040		835513
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:		10			Detection
Num	ber of Burst	s in Trial:	9			(Yes/No)
Chir	p Center Fre	equency:		5290		Yes
Burst		Pulse Width (Microseconds)	, ,	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	97.8	7	1882	1779	106978
2	1	55.9	7			430424
3	1	52.1	7			753353
4	3	99	7	1767	1057	1073995
5	2	77.3	7	1498		67384
6	1	63.1	7			390566
7	2	76	7	1717		712399
8	3	86.7	7	1195	1667	1034158
9	1	64.6	7			27685
10						
11						
12						
13						
14						
15						
16				,		
17						-
18						-
19						-
20						

	Trial Number:			11		Detection
Num	ber of Burst	s in Trial:		10	(Yes/No)	
Chir	Chirp Center Frequency:			5255.2125		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	58.6	8			315543
2	3	88	8	1770	1571	604519
3	2	78.2	8	1828		895230
4	3	97.6	8	1496	1028	1185129
5	2	69.3	8	1140		279539
6	3	97.5	8	1468	1623	569056
7	3	95.9	8	1951	1279	858767
8	2	73.5	8	1480		1150807
9	3	93.7	8	1025	1969	243392
10	2	78.2	8	1388		534084
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:				12	Detection	
Num	ber of Burst	s in Trial:		18		(Yes/No)
Chir	Chirp Center Frequency:			5258.8125		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.1	17			458266
2	2	78.8	17	1011		618238
3	3	85.7	17	1196	1739	115058
4	3	91.1	17	1002	1952	275495
5	1	65.3	17			438138
6	1	53	17			599661
7	1	51	17			95681
8	1	59.8	17			257166
9	1	56.1	17			418283
10	3	91.6	17	1314	1801	576878
11	3	85.6	17	1415	1931	75439
12	2	67.8	17	1340		236781
13	1	63.8	17			398735
14	1	59.8	17			559395
15	1	65.8	17			55892
16	3	95.7	17	1865	1231	216175
17	2	72.9	17	1848		377480
18	1	66.6	17			539999
19						
20					<u> </u>	

	Trial Number:			13	Detection	
Num	ber of Burst	s in Trial:	15			(Yes/No)
Chir	Chirp Center Frequency:			5257.6125		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	81.1	14	1691		43173
2	1	54.7	14			237072
3	2	71.7	14	1670		429725
4	3	85	14	1339	1900	621518
5	1	52.4	14			19432
6	1	55.8	14			213028
7	3	92.5	14	1427	1153	405290
8	3	92	14	1990	1317	597929
9	1	52.8	14			794345
10	2	73.6	14	1715		188943
11	2	69.9	14	1102		382243
12	2	72	14	1878		574958
13	3	98.2	14	1020	1958	767112
14	3	98.3	14	1277	1686	164814
15	2	71.3	14	1296		358432
16						
17					•	
18						
19						
20						

	Trial Number:			14		Detection
Num	ber of Burst	s in Trial:		20	(Yes/No)	
Chii	Chirp Center Frequency:			5260.0125		No
Burst	Number of Pulses	Pulse Width (Microseconds	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	96.2	20	1464	1142	412467
2	1	50.2	20			559149
3	3	97.8	20	1221	1168	105622
4	1	62	20			251304
5	1	64.8	20			396581
6	3	86.9	20	1208	1270	539601
7	3	95.9	20	1963	1750	87618
8	2	76.2	20	1318		232979
9	1	53.3	20			378329
10	2	69.8	20	1703		521958
11	3	95.2	20	1187	1557	69956
12	2	79	20	1968		214668
13	3	90.8	20	1822	1297	358915
14	2	74.2	20	1816		504640
15	2	68.3	20	1761		52265
16	2	81.8	20	1323		197219
17	2	73.6	20	1189		342218
18	2	74.6	20	1410		486611
19	2	79.3	20	1441		34446
20	3	92.5	20	1661	1771	178766

	Trial Number:			15	Detection	
Num	ber of Burst	s in Trial:	17			(Yes/No)
Chir	Chirp Center Frequency:			5258.4125		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	88.9	16	1239	1759	380606
2	1	56.5	16			553212
3	2	81.2	16	1330		19594
4	2	76.3	16	1862		190008
5	2	79.9	16	1368		360470
6	3	98.7	16	1510	1320	529951
7	2	73.4	16	1529		701560
8	1	50.2	16			169324
9	2	77.5	16	1067		339969
10	3	89.9	16	1344	1559	509095
11	3	84.2	16	1901	1918	677997
12	3	93.5	16	1656	1355	147725
13	3	87.3	16	1432	1731	317636
14	3	96.5	16	1511	1732	487504
15	2	67.6	16	1078		659989
16	1	59.6	16			127277
17	2	68	16	1156		297601
18						
19						
20						

	Trial Numb	er:		16	Detection	
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chirp Center Frequency:				5254.0125		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	83.7	5	1908	1548	995497
2	1	58.1	5			1361600
3	2	79.8	5	1885		225782
4	3	85.2	5	1647	1080	588360
5	2	78.5	5	1887		951829
6	2	68.4	5	1269		1315202
7	1	65.1	5			181313
8	1	57.3	5			544812
9						
10						
11						
12						
13						
14						
15						·
16						·
17						·
18						
19						
20						

	Trial Number:			17	Detection	
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5256.4125		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.8	11	1829		557698
2	1	51.7	11			782182
3	2	67.8	11	1402		83874
4	3	84.5	11	1036	1500	306513
5	3	91.9	11	1855	1519	529020
6	3	96.4	11	1988	1331	751885
7	3	97.4	11	1991	1337	56297
8	2	68.9	11	1858		279421
9	1	55.8	11			503662
10	2	82.5	11	1538		725515
11	3	89.7	11	1095	1710	28860
12	2	69.1	11	1029		252246
13	2	71.5	11	1785		475029
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		18		Detection
Num	ber of Burst	s in Trial:		16	(Yes/No)	
Chir	Chirp Center Frequency:			5258.0125		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	82.1	15	1760		566651
2	1	66.2	15			1143
3	1	63.5	15			182789
4	3	95.7	15	1083	1418	362933
5	3	98.8	15	1254	1088	543876
6	1	63.5	15			727356
7	3	85.7	15	1283	1651	159683
8	1	51.6	15			341898
9	3	91.8	15	1399	1640	521273
10	3	94.3	15	1108	1675	702317
11	1	56.5	15			137881
12	1	58.7	15			319662
13	1	63.7	15			501159
14	3	90	15	1438	1925	679274
15	1	66.5	15			115593
16	3	99.6	15	1632	1171	296127
17						
18						
19						
20						

	Trial Number:		19			Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5256.4125		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	65.7	11			534549
2	3	85.6	11	1321.000	1726.000	755351
3	3	93.6	11	1863.000	1370.000	59514
4	3	86.8	11	1998.000	1603.000	282206
5	2	74.6	11	1505.000		505905
6	2	81.5	11	1808.000		728563
7	1	64	11			32199
8	2	78	11	1916.000		255085
9	3	90.6	11	1299.000	1596.000	477956
10	3	96.6	11	1692.000	1133.000	700648
11	1	51.5	11			4666
12	3	92	11	1584.000	1457.000	227313
13	1	66.2	11			451522
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		20		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	p Center Fre	equency:		5256.4125		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	65.7	11			534549
2	3	85.6	11	1321	1726	755351
3	3	93.6	11	1863	1370	59514
4	3	86.8	11	1998	1603	282206
5	2	74.6	11	1505		505905
6	2	81.5	11	1808		728563
7	1	64	11			32199
8	2	78	11	1916		255085
9	3	90.6	11	1299	1596	477956
10	3	96.6	11	1692	1133	700648
11	1	51.5	11			4666
12	3	92	11	1584	1457	227313
13	1	66.2	11			451522
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:	21			Detection
Num	ber of Burst	s in Trial:	19			(Yes/No)
Chir	p Center Fre	equency:		5320.3875		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	89.6	19	1913	1976	458587
2	2	79.8	19	1367		612743
3	1	54.9	19			137244
4	2	79.4	19	1803		289280
5	1	55.7	19			442917
6	3	85.1	19	1606	1143	592930
7	1	57.4	19			118375
8	1	61.2	19			271325
9	2	75.8	19	1811		422480
10	2	78.2	19	1852		574802
11	1	56.3	19			99538
12	2	80.9	19	1220		251892
13	2	69.4	19	1687		404285
14	3	98.6	19	1518	1154	555798
15	2	72.1	19	1332		80537
16	1	51.5	19			233486
17	1	53	19			386496
18	1	52.6	19			539575
19	2	79.1	19	1949		61718
20						

	Trial Numb	er:	22			Detection	
Num	ber of Burst	s in Trial:		16	(Yes/No)		
Chii	rp Center Fre	equency:		5321.9875		Yes	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	2	69.3	15	1877		254487	
2	1	57.8	15			436785	
3	2	79.9	15	2000		616628	
4	1	63.1	15			51159	
5	2	69.9	15	1380		232224	
6	3	99	15	1994	1160	412665	
7	2	77	15	1860		594490	
8	1	60.2	15			28800	
9	2	80.3	15	1798		209873	
10	2	78.6	15	1522		391228	
11	2	68.2	15	1608		571946	
12	2	67.2	15	1114		6427	
13	3	88.5	15	1446	1406	187164	
14	2	74.6	15	1682		368451	
15	2	83.3	15	1853		549946	
16	2	67.7	15	1423		731000	
17							
18							
19							
20							

	Trial Numb	er:	23			Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	p Center Fre	equency:		5323.1875		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	80.6	12	1325		188949
2	2	83.3	12	1202		396121
3	3	86.7	12	1451	1372	602317
4	1	63.1	12			811814
5	2	68	12	1807		163477
6	3	89.5	12	1134	1416	370010
7	3	94.4	12	1948	1058	577001
8	3	90	12	1047	1705	784127
9	1	57.4	12			138193
10	3	87.2	12	1074	1001	344709
11	1	55.9	12			553281
12	1	55.2	12			761200
13	2	82.9	12	1212		112482
14	3	92	12	1473	1922	318957
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		24		Detection	
Num	ber of Burst	s in Trial:	14			(Yes/No)	
Chir	p Center Fre	equency:		5322.7875		Yes	
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	2	76.5	13	1555		526518	
2	3	87.5	13	1504	1599	732507	
3	3	93.9	13	1664	1391	86736	
4	2	72.4	13	1614		294120	
5	2	72.6	13	1106		501671	
6	1	58.4	13			709310	
7	1	59.6	13			61533	
8	1	66.6	13			268913	
9	3	85	13	1186	1796	475077	
10	2	80.5	13	1727		682804	
11	2	78.8	13	1452		35899	
12	2	74.8	13	1935		242795	
13	2	77.2	13	1197		450389	
14	2	82.6	13	1082		657756	
15							
16							
17							
18							
19							
20							

	Trial Numb	er:	25			Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	p Center Fre	equency:		5323.5875		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.5	11			11192
2	1	61	11			234643
3	2	67.9	11	1502		457245
4	1	56.2	11			681769
5	3	86.1	11	1228	1031	902590
6	2	80.9	11	1445		206945
7	3	91.5	11	1455	1122	429305
8	2	68.2	11	1015		653478
9	1	66.3	11			877390
10	3	89.5	11	1543	1470	178971
11	1	61.1	11			403302
12	2	79.9	11	1214		625531
13	1	63.5	11			850373
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		26		Detection
Num	ber of Burst	s in Trial:		17	(Yes/No)	
Chi	rp Center Fre	equency:	5321.5875			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	90	16	1185	1509	115777
2	1	55.7	16			286979
3	2	82.7	16	1904		456477
4	3	93	16	1765	1223	625877
5	2	71.7	16	1073		95108
6	2	77.4	16	1237		265667
7	3	88.3	16	1250	1017	435305
8	1	52.1	16			607978
9	2	80.7	16	1532		74051
10	2	73.3	16	1272		244577
11	1	66	16			415586
12	1	51.9	16			586282
13	2	74.8	16	1845		52957
14	1	58	16			223816
15	1	63.9	16			394907
16	3	98.3	16	1042	1007	563737
17	1	56.1	16			32086
18						
19						
20						

	Trial Numb	er:	27			Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chir	p Center Fre	equency:	5319.9875			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	84.4	20	1006	1288	171798
2	3	93.2	20	1704	1121	316209
3	1	62.2	20			463045
4	1	61.7	20			9381
5	2	82.4	20	1923		154002
6	3	96.5	20	1257	1352	298454
7	2	69.3	20	1714		443388
8	3	99.7	20	1753	1016	587670
9	2	69.1	20	1145		136359
10	1	52	20			281692
11	1	50.4	20			426935
12	1	58.2	20			571957
13	2	71.1	20	1539		118444
14	1	54.4	20			264113
15	1	61.3	20			408792
16	3	92.8	20	1255	1719	551905
17	3	95	20	1481	1342	100355
18	2	69.7	20	1499		245551
19	1	60.9	20			391316
20	1	52.2	20			536137

	Trial Numb	er:		28		Detection	
Num	ber of Burst	s in Trial:		14	(Yes/No)		
Chir	p Center Fre	equency:		5322.7875		Yes	
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	3	87.5	13	1209	1978	118213	
2	1	57	13			326346	
3	3	97.5	13	1615	1349	531858	
4	3	88.9	13	1984	1005	738617	
5	2	80.5	13	1010		92995	
6	2	76.9	13	1764		300151	
7	3	87.7	13	1987	1119	506096	
8	1	51.9	13			716032	
9	1	54.3	13			67531	
10	1	61.3	13			275052	
11	2	72.8	13	1886		481481	
12	2	77.5	13	1071		689565	
13	2	69.9	13	1503		41917	
14	1	60.2	13			249630	
15							
16							
17							
18							
19							
20							

	Trial Numb	er:	29			Detection
Num	ber of Burst	s in Trial:	12			(Yes/No)
Chir	p Center Fre	equency:		5323.9875		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55.1	10			533545
2	2	67.9	10	1100		774812
3	2	67.6	10	1790		19150
4	1	51.7	10			261321
5	1	57.5	10			503712
6	1	59.3	10			745934
7	1	63.4	10			988293
8	3	93.4	10	1746	1707	230686
9	1	52.6	10			473625
10	2	75.3	10	1786		714764
11	3	87.8	10	1281	1979	955073
12	3	94	10	1309	1176	201103
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		30		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	p Center Fre	equency:		5324.3875		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	59.5	9			484104
2	2	68.8	9	1426		747546
3	1	54.6	9			1012254
4	1	59.2	9			187514
5	2	79.9	9	1597		451068
6	3	88.4	9	1823	1077	714344
7	1	53	9			980078
8	3	96.1	9	1068	1109	154584
9	2	68.7	9	1736		418486
10	2	77.4	9	1857		682304
11	3	95.8	9	1941	1893	944646
12	2	76.2	12	1770		563316
13	1	60.6	12			788278
14						
15						
16						
17						
18						
19						
20						

Trial #	Pulse Repetition Frequency	Pulse Repetition Frequency	Pulse Repetition Interval	Detection
IIIai#	Number (1 to 23)	(Pulses Per Second)	(Microseconds)	(Yes / No)
1	Nulliber (1 to 23)	1930.50	518	No
2	12	1355.01	738	Yes
3	15	1253.13	798	Yes
4	13	1319.26	758	Yes
5	8	1519.76	658	Yes
6	11	1392.76	718	Yes
7	21	1089.32	918	Yes
8	12	326.16	3066	Yes
9	4	1730.10	578	Yes
10	20	1113.59	898	Yes
11	2	1858.74	538	Yes
12	22	1066.10	938	Yes
13	5	1672.24	598	Yes
14	17	1193.32	838	Yes
15	7	1567.40	638	Yes
16		346.98	2882	Yes
17	7	394.01	2538	Yes
18	7	1897.53	527	Yes
19	7	447.23	2236	Yes
20	7	1285.35	778	Yes
21	7	1557.63	642	Yes
22	7	469.48	2130	Yes
23		1069.52	935	Yes
24		626.17	1597	Yes
25		373.69	2676	Yes
26		586.85	1704	Yes
27		689.18	1451	No
28		765.11	1307	Yes
29		432.90	2310	Yes
30		449.84	2223	Yes

1 23 1.40 198 2 25 2.20 224 3 23 1.10 176 4 26 2.90 182 5 26 3.10 229 6 24 1.80 202 7 23 1.20 228 8 27 3.50 194 9 25 2.30 157 10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217 15 27 3.80 186	(Yes / No)
3 23 1.10 176 4 26 2.90 182 5 26 3.10 229 6 24 1.80 202 7 23 1.20 228 8 27 3.50 194 9 25 2.30 157 10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	Yes
4 26 2.90 182 5 26 3.10 229 6 24 1.80 202 7 23 1.20 228 8 27 3.50 194 9 25 2.30 157 10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	No
5 26 3.10 229 6 24 1.80 202 7 23 1.20 228 8 27 3.50 194 9 25 2.30 157 10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	Yes
6 24 1.80 202 7 23 1.20 228 8 27 3.50 194 9 25 2.30 157 10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	Yes
7 23 1.20 228 8 27 3.50 194 9 25 2.30 157 10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	Yes
8 27 3.50 194 9 25 2.30 157 10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	Yes
9 25 2.30 157 10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	No
10 24 1.60 167 11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	Yes
11 24 1.80 199 12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	Yes
12 28 4.20 230 13 27 3.40 152 14 29 5.00 217	Yes
13 27 3.40 152 14 29 5.00 217	Yes
14 29 5.00 217	Yes
	Yes
15 27 3.80 1.86	Yes
10 21 3.00 100	No
16 23 1.10 206	Yes
17 25 2.60 180	Yes
18 27 3.70 165	Yes
19 23 1.00 188	Yes
20 25 2.70 227	Yes
21 29 4.60 219	Yes
22 27 3.60 203	Yes
23 26 2.90 184	Yes
24 26 3.10 178	Yes
25 25 2.60 221	Yes
26 28 4.00 153	Yes
27 29 4.80 193	Yes
28 26 3.20 210	Yes
29 25 2.30 162	No
30 24 2.00 181	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	6.40	465	Yes
2	16	7.20	383	Yes
3	16	6.10	271	Yes
4	17	7.90	440	Yes
5	17	8.10	341	Yes
6	16	6.80	318	Yes
7	16	6.20	334	Yes
8	17	8.50	494	Yes
9	17	7.30	245	Yes
10	16	6.60	215	Yes
11	16	6.80	282	No
12	18	9.20	485	Yes
13	17	8.40	258	Yes
14	18	10.00	437	Yes
15	18	8.80	320	Yes
16	16	6.10	200	Yes
17	17	7.60	220	Yes
18	17	8.70	401	Yes
19	16	6.00	399	Yes
20	17	7.70	205	Yes
21	18	9.60	470	Yes
22	17	8.60	491	Yes
23	17	7.90	297	Yes
24	17	8.10	202	Yes
25	17	7.60	391	Yes
26	18	9.00	396	Yes
27	18	9.80	397	Yes
28	17	8.20	288	Yes
29	16	7.30	219	Yes
30	16	7.00	261	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	12	11.90	465	Yes
2	13	13.70	383	Yes
3	12	11.30	271	Yes
4	14	15.30	440	No
5	14	15.80	341	Yes
6	13	12.80	318	Yes
7	12	11.50	334	Yes
8	15	16.60	494	Yes
9	13	14.00	245	Yes
10	12	12.30	215	Yes
11	13	12.80	282	Yes
12	15	18.10	485	Yes
13	14	16.30	258	Yes
14	16	19.80	437	Yes
15	15	17.30	320	Yes
16	12	11.20	200	Yes
17	13	14.50	220	Yes
18	15	17.00	401	Yes
19	12	11.10	399	Yes
20	14	14.80	205	Yes
21	16	19.00	470	Yes
22	15	16.90	491	Yes
23	14	15.20	297	Yes
24	14	15.60	202	Yes
25	13	14.50	391	Yes
26	15	17.70	396	Yes
27	16	19.60	397	Yes
28	14	15.80	288	Yes
29	13	13.90	219	No
30	13	13.40	261	No

Trial Number:		1			Detection	
Number of Bursts in Trial:				9	(Yes/No)	
Chir	p Center Fre	equency:		5300		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55	6			456091
2	1	64.9	6			778946
3	1	52	6			1101904
4	2	74.2	6	1019		93064
5	2	76.7	6	1180		415903
6	1	60	6			739340
7	1	53.1	6			1062002
8	2	80.8	6	1772		53279
9	2	66.8	6	1308		375962
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						·
20				_		

Trial Number:				2		Detection
Num	Number of Bursts in Trial:			11	(Yes/No)	
Chir	p Center Fre	equency:		5300		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.3	9			572286
2	1	60.1	9			836083
3	3	89.6	9	1440	1575	11057
4	2	79.5	9	1369		274996
5	3	98.8	9	1099	1275	538369
6	3	84.7	9	1650	1769	801389
7	1	51.4	9			1068068
8	2	69.8	9	1983		242218
9	2	83.3	9	1950		506136
10	1	50.9	9			770863
11	2	71.4	9	1116		1034768
12						
13						
14						
15						
16						
17				•		
18						
19						
20				•		

Trial Number:		3			Detection	
Number of Bursts in Trial:			8			(Yes/No)
Chir	p Center Fre	equency:		5300		Yes
Burst		Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	94.2	5	1478	1777	288532
2	2	82.9	5	1681		651974
3	2	73.5	5	1889		1014683
4	2	75.8	5	1295		1378001
5	2	69.7	5	1075		244188
6	3	86.9	5	1907	1463	606557
7	3	97.4	5	1072	1173	969693
8	2	76.9	5	1193		1333926
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		4		Detection
Num	Number of Bursts in Trial:			8	(Yes/No)	
Chir	rp Center Fre	equency:		5300		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.2	12			113987
2	1	63.2	12			321486
3	2	81.6	12	1624		528264
4	3	97.1	12	1125	1787	733969
5	1	62.5	12			88396
6	1	61.5	12			295881
7	3	92.6	12	1645	1343	501606
8	3	92.5	12	1899	1591	708477
9	1	56.1	12			62881
10	3	85.6	12	1837	1392	269320
11	1	61	12			477893
12	1	51.8	12			685309
13	3	95.8	12	1327	1249	37176
14	1	58.5	12			244764
15						
16						
17						
18						
19						
20						

Trial Number:				5		Detection
	Number of Bursts in Trial:			14	(Yes/No)	
Chir	p Center Fre	equency:		5300		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)
1	2	75.4	13	1733		451522
2	3	90.7	13	1570	1285	657471
3	3	87.6	13	1868	1643	11695
4	3	93.5	13	1371	1579	218584
5	3	94.5	13	1105	1147	425679
6	1	53.9	13			634053
7	3	98.2	13	1652	1311	839188
8	3	97.5	13	1351	1316	193137
9	2	83.2	13	1490		400517
10	3	99.6	13	1642	1680	606704
11	1	62.1	13			815936
12	1	51.5	13			168219
13	2	72.3	13	1628		375144
14	2	72.1	13	1065		582695
15						
16						
17						
18						
19						
20						

	Trial Number:			6	Detection	
Num	Number of Bursts in Trial:			10	(Yes/No)	
Chir	p Center Fre	equency:		5300		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)
1	3	91.4	8	1268	1362	1105275
2	2	76.2	8	1870		199366
3	1	54.4	8			490358
4	3	89.9	8	1256	1414	779365
5	1	62.6	8			1071413
6	2	76.3	8	1387		163769
7	1	64.6	8			454651
8	1	53.6	8			745006
9	2	75.7	8	1431		1034301
10	1	63.1	8			128079
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:				7		Detection
Num	Number of Bursts in Trial:			8	(Yes/No)	
Chir	p Center Fre	equency:		5300		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						
19						
20						

Trial Number:			8			Detection	
Num	Number of Bursts in Trial:			16	(Yes/No)		
Chir	Chirp Center Frequency:			5300		Yes	
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	2	75.6	14	1155		216520	
2	3	85.6	14	1993	1103	396614	
3	1	57.4	14			579687	
4	2	82.8	14	1995		12889	
5	3	88.3	14	1447	1358	193680	
6	2	76.3	14	1892		374938	
7	3	92.4	14	1841	1127	555060	
8	3	93.4	14	1225	1449	736781	
9	2	78.8	14	1508		171787	
10	2	68.8	14	1329		353186	
11	2	80.1	14	1041		534595	
12	2	82.1	14	1583		715294	
13	3	84.9	14	1169	1756	149063	
14	1	60.9	14			331211	
15	3	89.2	14	1793	1655	510715	
16	2	70.5	14	1404		693078	
17							
18							
19							
20				_			

Trial Number:			9	Detection		
Num	Number of Bursts in Trial:			12	(Yes/No)	
Chir	Chirp Center Frequency:			5300		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	51.1	10			169836
2	2	79.9	10	1817		411435
3	2	81.1	10	1203		653492
4	2	71.2	10	1523		894783
5	3	89.2	10	1910	1152	139593
6	2	69.5	10	1149		381670
7	3	94	10	1755	1973	622378
8	2	71.8	10	1465		865458
9	1	65	10			110246
10	2	74.4	10	1489		351980
11	1	66.4	10			594506
12	2	76.5	10	1040		835513
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:		10			Detection
Num	ber of Burst	s in Trial:	9			(Yes/No)
Chir	p Center Fre			5300		Yes
Burst		Pulse Width (Microseconds)	` '	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	97.8	7	1882	1779	106978
2	1	55.9	7			430424
3	1	52.1	7			753353
4	3	99	7	1767	1057	1073995
5	2	77.3	7	1498		67384
6	1	63.1	7			390566
7	2	76	7	1717		712399
8	3	86.7	7	1195	1667	1034158
9	1	64.6	7			27685
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			11	Detection	
Num	ber of Burst	s in Trial:	10			(Yes/No)
Chir	Chirp Center Frequency:			5294.048		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	58.6	8			315543
2	3	88	8	1770	1571	604519
3	2	78.2	8	1828		895230
4	3	97.6	8	1496	1028	1185129
5	2	69.3	8	1140		279539
6	3	97.5	8	1468	1623	569056
7	3	95.9	8	1951	1279	858767
8	2	73.5	8	1480		1150807
9	3	93.7	8	1025	1969	243392
10	2	78.2	8	1388		534084
11						
12						
13						
14						
15						
16				· · · · · · · · · · · · · · · · · · ·		
17						
18						
19						
20						

Trial Number:				12	Detection	
Num	ber of Burst	s in Trial:		18		(Yes/No)
Chir	Chirp Center Frequency:			5297.648		No
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.1	17			458266
2	2	78.8	17	1011		618238
3	3	85.7	17	1196	1739	115058
4	3	91.1	17	1002	1952	275495
5	1	65.3	17			438138
6	1	53	17			599661
7	1	51	17			95681
8	1	59.8	17			257166
9	1	56.1	17			418283
10	3	91.6	17	1314	1801	576878
11	3	85.6	17	1415	1931	75439
12	2	67.8	17	1340		236781
13	1	63.8	17			398735
14	1	59.8	17			559395
15	1	65.8	17			55892
16	3	95.7	17	1865	1231	216175
17	2	72.9	17	1848		377480
18	1	66.6	17			539999
19						
20						

	Trial Number:			13		Detection
Num	ber of Burst	s in Trial:	15			(Yes/No)
Chir	Chirp Center Frequency:			5296.448		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	81.1	14	1691		43173
2	1	54.7	14			237072
3	2	71.7	14	1670		429725
4	3	85	14	1339	1900	621518
5	1	52.4	14			19432
6	1	55.8	14			213028
7	3	92.5	14	1427	1153	405290
8	3	92	14	1990	1317	597929
9	1	52.8	14			794345
10	2	73.6	14	1715		188943
11	2	69.9	14	1102		382243
12	2	72	14	1878		574958
13	3	98.2	14	1020	1958	767112
14	3	98.3	14	1277	1686	164814
15	2	71.3	14	1296		358432
16						
17						
18						
19						
20						

	Trial Numb	er:		14		Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chir	Chirp Center Frequency:			5298.848		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	96.2	20	1464	1142	412467
2	1	50.2	20			559149
3	3	97.8	20	1221	1168	105622
4	1	62	20			251304
5	1	64.8	20			396581
6	3	86.9	20	1208	1270	539601
7	3	95.9	20	1963	1750	87618
8	2	76.2	20	1318		232979
9	1	53.3	20			378329
10	2	69.8	20	1703		521958
11	3	95.2	20	1187	1557	69956
12	2	79	20	1968		214668
13	3	90.8	20	1822	1297	358915
14	2	74.2	20	1816		504640
15	2	68.3	20	1761		52265
16	2	81.8	20	1323		197219
17	2	73.6	20	1189		342218
18	2	74.6	20	1410		486611
19	2	79.3	20	1441		34446
20	3	92.5	20	1661	1771	178766

	Trial Number:		15			Detection	
Num	ber of Burst	s in Trial:	17			(Yes/No)	
Chir	Chirp Center Frequency:			5297.248		No	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	3	88.9	16	1239	1759	380606	
2	1	56.5	16			553212	
3	2	81.2	16	1330		19594	
4	2	76.3	16	1862		190008	
5	2	79.9	16	1368		360470	
6	3	98.7	16	1510	1320	529951	
7	2	73.4	16	1529		701560	
8	1	50.2	16			169324	
9	2	77.5	16	1067		339969	
10	3	89.9	16	1344	1559	509095	
11	3	84.2	16	1901	1918	677997	
12	3	93.5	16	1656	1355	147725	
13	3	87.3	16	1432	1731	317636	
14	3	96.5	16	1511	1732	487504	
15	2	67.6	16	1078		659989	
16	1	59.6	16			127277	
17	2	68	16	1156		297601	
18							
19							
20							

	Trial Number:			16	Detection	
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5292.848		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	83.7	5	1908	1548	995497
2	1	58.1	5			1361600
3	2	79.8	5	1885		225782
4	3	85.2	5	1647	1080	588360
5	2	78.5	5	1887		951829
6	2	68.4	5	1269		1315202
7	1	65.1	5			181313
8	1	57.3	5			544812
9						
10						
11						
12						
13						
14						
15						·
16						·
17						·
18						
19						
20						

	Trial Number:		17			Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5295.248		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.8	11	1829		557698
2	1	51.7	11			782182
3	2	67.8	11	1402		83874
4	3	84.5	11	1036	1500	306513
5	3	91.9	11	1855	1519	529020
6	3	96.4	11	1988	1331	751885
7	3	97.4	11	1991	1337	56297
8	2	68.9	11	1858		279421
9	1	55.8	11			503662
10	2	82.5	11	1538		725515
11	3	89.7	11	1095	1710	28860
12	2	69.1	11	1029		252246
13	2	71.5	11	1785		475029
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		18		Detection
Num	ber of Burst	s in Trial:		16	(Yes/No)	
Chir	Chirp Center Frequency:			5296.848		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	82.1	15	1760		566651
2	1	66.2	15			1143
3	1	63.5	15			182789
4	3	95.7	15	1083	1418	362933
5	3	98.8	15	1254	1088	543876
6	1	63.5	15			727356
7	3	85.7	15	1283	1651	159683
8	1	51.6	15			341898
9	3	91.8	15	1399	1640	521273
10	3	94.3	15	1108	1675	702317
11	1	56.5	15			137881
12	1	58.7	15			319662
13	1	63.7	15			501159
14	3	90	15	1438	1925	679274
15	1	66.5	15			115593
16	3	99.6	15	1632	1171	296127
17						
18						
19						
20						

	Trial Number:			19	Detection	
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5292.848		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.2	5			958469
2	1	60.3	5			1321531
3	3	88.2	5	1773.000	1804.000	186176
4	1	66.1	5			550007
5	2	68.9	5	1944.000		912150
6	1	53	5			1276596
7	3	96.9	5	1879.000	1258.000	141585
8	1	55.6	5			505262
9						
10						
11						
12						
13						
14						
15	-					
16						
17						
18						
19						
20						

	Trial Numb	er:		20		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5295.248		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	65.7	11			534549
2	3	85.6	11	1321	1726	755351
3	3	93.6	11	1863	1370	59514
4	3	86.8	11	1998	1603	282206
5	2	74.6	11	1505		505905
6	2	81.5	11	1808		728563
7	1	64	11			32199
8	2	78	11	1916		255085
9	3	90.6	11	1299	1596	477956
10	3	96.6	11	1692	1133	700648
11	1	51.5	11			4666
12	3	92	11	1584	1457	227313
13	1	66.2	11			451522
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			21		Detection	
Num	ber of Burst	s in Trial:	19			(Yes/No)	
Chir	Chirp Center Frequency:			5301.552		Yes	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	3	89.6	19	1913	1976	458587	
2	2	79.8	19	1367		612743	
3	1	54.9	19			137244	
4	2	79.4	19	1803		289280	
5	1	55.7	19			442917	
6	3	85.1	19	1606	1143	592930	
7	1	57.4	19			118375	
8	1	61.2	19			271325	
9	2	75.8	19	1811		422480	
10	2	78.2	19	1852		574802	
11	1	56.3	19			99538	
12	2	80.9	19	1220		251892	
13	2	69.4	19	1687		404285	
14	3	98.6	19	1518	1154	555798	
15	2	72.1	19	1332		80537	
16	1	51.5	19			233486	
17	1	53	19			386496	
18	1	52.6	19			539575	
19	2	79.1	19	1949		61718	
20							

Trial Number:			22			Detection
Number of Bursts in Trial:			16			(Yes/No)
Chirp Center Frequency:			5303.152			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	69.3	15	1877		254487
2	1	57.8	15			436785
3	2	79.9	15	2000		616628
4	1	63.1	15			51159
5	2	69.9	15	1380		232224
6	3	99	15	1994	1160	412665
7	2	77	15	1860		594490
8	1	60.2	15			28800
9	2	80.3	15	1798		209873
10	2	78.6	15	1522		391228
11	2	68.2	15	1608		571946
12	2	67.2	15	1114		6427
13	3	88.5	15	1446	1406	187164
14	2	74.6	15	1682		368451
15	2	83.3	15	1853		549946
16	2	67.7	15	1423		731000
17						
18			İ			
19			İ			
20						

Trial Number:			23			Detection
Number of Bursts in Trial:			14			(Yes/No)
Chirp Center Frequency:			5304.352			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	80.6	12	1325		188949
2	2	83.3	12	1202		396121
3	3	86.7	12	1451	1372	602317
4	1	63.1	12			811814
5	2	68	12	1807		163477
6	3	89.5	12	1134	1416	370010
7	3	94.4	12	1948	1058	577001
8	3	90	12	1047	1705	784127
9	1	57.4	12			138193
10	3	87.2	12	1074	1001	344709
11	1	55.9	12			553281
12	1	55.2	12			761200
13	2	82.9	12	1212		112482
14	3	92	12	1473	1922	318957
15						
16						
17						
18			_			
19						
20						

Trial Number:			24			Detection
Number of Bursts in Trial:			14			(Yes/No)
Chirp Center Frequency:			5303.952			Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.5	13	1555		526518
2	3	87.5	13	1504	1599	732507
3	3	93.9	13	1664	1391	86736
4	2	72.4	13	1614		294120
5	2	72.6	13	1106		501671
6	1	58.4	13			709310
7	1	59.6	13			61533
8	1	66.6	13			268913
9	3	85	13	1186	1796	475077
10	2	80.5	13	1727		682804
11	2	78.8	13	1452		35899
12	2	74.8	13	1935		242795
13	2	77.2	13	1197		450389
14	2	82.6	13	1082		657756
15						
16						
17						
18						
19						
20						

	Trial Numb	er:	25			Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5304.752		No
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.5	11			11192
2	1	61	11			234643
3	2	67.9	11	1502		457245
4	1	56.2	11			681769
5	3	86.1	11	1228	1031	902590
6	2	80.9	11	1445		206945
7	3	91.5	11	1455	1122	429305
8	2	68.2	11	1015		653478
9	1	66.3	11			877390
10	3	89.5	11	1543	1470	178971
11	1	61.1	11			403302
12	2	79.9	11	1214		625531
13	1	63.5	11			850373
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		26		Detection
Num	ber of Burst	s in Trial:	17			(Yes/No)
Chi	Chirp Center Frequency:			5302.752		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	90	16	1185	1509	115777
2	1	55.7	16			286979
3	2	82.7	16	1904		456477
4	3	93	16	1765	1223	625877
5	2	71.7	16	1073		95108
6	2	77.4	16	1237		265667
7	3	88.3	16	1250	1017	435305
8	1	52.1	16			607978
9	2	80.7	16	1532		74051
10	2	73.3	16	1272		244577
11	1	66	16			415586
12	1	51.9	16			586282
13	2	74.8	16	1845		52957
14	1	58	16			223816
15	1	63.9	16			394907
16	3	98.3	16	1042	1007	563737
17	1	56.1	16			32086
18						
19			İ			
20				_		

	Trial Number:		27			Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chir	Chirp Center Frequency:			5301.152		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	84.4	20	1006	1288	171798
2	3	93.2	20	1704	1121	316209
3	1	62.2	20			463045
4	1	61.7	20			9381
5	2	82.4	20	1923		154002
6	3	96.5	20	1257	1352	298454
7	2	69.3	20	1714		443388
8	3	99.7	20	1753	1016	587670
9	2	69.1	20	1145		136359
10	1	52	20			281692
11	1	50.4	20			426935
12	1	58.2	20			571957
13	2	71.1	20	1539		118444
14	1	54.4	20			264113
15	1	61.3	20			408792
16	3	92.8	20	1255	1719	551905
17	3	95	20	1481	1342	100355
18	2	69.7	20	1499		245551
19	1	60.9	20			391316
20	1	52.2	20			536137

	Trial Numb	er:		28		Detection
Num	ber of Burst	s in Trial:		14		(Yes/No)
Chirp Center Frequency:				5303.952		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	87.5	13	1209	1978	118213
2	1	57	13			326346
3	3	97.5	13	1615	1349	531858
4	3	88.9	13	1984	1005	738617
5	2	80.5	13	1010		92995
6	2	76.9	13	1764		300151
7	3	87.7	13	1987	1119	506096
8	1	51.9	13			716032
9	1	54.3	13			67531
10	1	61.3	13			275052
11	2	72.8	13	1886		481481
12	2	77.5	13	1071		689565
13	2	69.9	13	1503		41917
14	1	60.2	13			249630
15						
16						
17						
18						
19						
20						

	Trial Number:		29			Detection
Num	ber of Burst	s in Trial:		12		(Yes/No)
Chir	Chirp Center Frequency:			5305.152		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55.1	10			533545
2	2	67.9	10	1100		774812
3	2	67.6	10	1790		19150
4	1	51.7	10			261321
5	1	57.5	10			503712
6	1	59.3	10			745934
7	1	63.4	10			988293
8	3	93.4	10	1746	1707	230686
9	1	52.6	10			473625
10	2	75.3	10	1786		714764
11	3	87.8	10	1281	1979	955073
12	3	94	10	1309	1176	201103
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		30		Detection
Num	ber of Burst	s in Trial:		13		(Yes/No)
Chirp Center Frequency:				5305.552		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	59.5	9			484104
2	2	68.8	9	1426		747546
3	1	54.6	9			1012254
4	1	59.2	9			187514
5	2	79.9	9	1597		451068
6	3	88.4	9	1823	1077	714344
7	1	53	9			980078
8	3	96.1	9	1068	1109	154584
9	2	68.7	9	1736		418486
10	2	77.4	9	1857		682304
11	3	95.8	9	1941	1893	944646
12	2	76.2	12	1770		563316
13	1	60.6	12			788278
14						
15						
16						
17						
18						
19						
20						

Trial #	Pulse Repetition Frequency	Pulse Repetition Frequency	Pulse Repetition Interval	Detection
THAI #	Number (1 to 23)	(Pulses Per Second)	(Microseconds)	(Yes / No)
1	1	1930.50	518	Yes
2	12	1355.01	738	Yes
3	15	1253.13	798	Yes
4	13	1319.26	758	Yes
5	8	1519.76	658	Yes
6	11	1392.76	718	Yes
7	21	1089.32	918	Yes
8	12	326.16	3066	Yes
9	4	1730.10	578	Yes
10	20	1113.59	898	Yes
11	2	1858.74	538	Yes
12	22	1066.10	938	Yes
13	5	1672.24	598	No
14	17	1193.32	838	Yes
15	7	1567.40	638	Yes
16		346.98	2882	Yes
17	7	394.01	2538	Yes
18		1897.53	527	Yes
19	7	447.23	2236	Yes
20		1285.35	778	Yes
21		1557.63	642	Yes
22		469.48	2130	Yes
23		1069.52	935	Yes
24		626.17	1597	Yes
25		373.69	2676	Yes
26		586.85	1704	Yes
27		689.18	1451	Yes
28		765.11	1307	Yes
29		432.90	2310	Yes
30		449.84	2223	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	23	1.40	198	Yes
2	25	2.20	224	No
3	23	1.10	176	Yes
4	26	2.90	182	Yes
5	26	3.10	229	Yes
6	24	1.80	202	Yes
7	23	1.20	228	Yes
8	27	3.50	194	Yes
9	25	2.30	157	Yes
10	24	1.60	167	Yes
11	24	1.80	199	Yes
12	28	4.20	230	Yes
13	27	3.40	152	Yes
14	29	5.00	217	Yes
15	27	3.80	186	Yes
16	23	1.10	206	Yes
17	25	2.60	180	Yes
18	27	3.70	165	Yes
19	23	1.00	188	Yes
20	25	2.70	227	Yes
21	29	4.60	219	Yes
22	27	3.60	203	Yes
23	26	2.90	184	Yes
24	26	3.10	178	Yes
25	25	2.60	221	Yes
26	28	4.00	153	Yes
27	29	4.80	193	Yes
28	26	3.20	210	Yes
29	25	2.30	162	Yes
30	24	2.00	181	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	6.40	465	Yes
2	16	7.20	383	Yes
3	16	6.10	271	No
4	17	7.90	440	Yes
5	17	8.10	341	Yes
6	16	6.80	318	Yes
7	16	6.20	334	Yes
8	17	8.50	494	Yes
9	17	7.30	245	Yes
10	16	6.60	215	Yes
11	16	6.80	282	Yes
12	18	9.20	485	Yes
13	17	8.40	258	Yes
14	18	10.00	437	Yes
15	18	8.80	320	Yes
16	16	6.10	200	Yes
17	17	7.60	220	Yes
18	17	8.70	401	Yes
19	16	6.00	399	Yes
20	17	7.70	205	Yes
21	18	9.60	470	Yes
22	17	8.60	491	Yes
23	17	7.90	297	Yes
24	17	8.10	202	No
25	17	7.60	391	Yes
26	18	9.00	396	Yes
27	18	9.80	397	Yes
28	17	8.20	288	Yes
29	16	7.30	219	Yes
30	16	7.00	261	No

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	12	11.90	465	Yes
2	13	13.70	383	Yes
3	12	11.30	271	No
4	14	15.30	440	Yes
5	14	15.80	341	Yes
6	13	12.80	318	Yes
7	12	11.50	334	Yes
8	15	16.60	494	Yes
9	13	14.00	245	Yes
10	12	12.30	215	Yes
11	13	12.80	282	Yes
12	15	18.10	485	Yes
13	14	16.30	258	Yes
14	16	19.80	437	Yes
15	15	17.30	320	Yes
16	12	11.20	200	Yes
17	13	14.50	220	Yes
18	15	17.00	401	Yes
19	12	11.10	399	Yes
20	14	14.80	205	Yes
21	16	19.00	470	Yes
22	15	16.90	491	Yes
23	14	15.20	297	Yes
24	14	15.60	202	Yes
25	13	14.50	391	Yes
26	15	17.70	396	Yes
27	16	19.60	397	Yes
28	14	15.80	288	No
29	13	13.90	219	Yes
30	13	13.40	261	No

	Trial Numb	er:	1			Detection
Num	ber of Burst	s in Trial:	9			(Yes/No)
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55	6			456091
2	1	64.9	6			778946
3	1	52	6			1101904
4	2	74.2	6	1019		93064
5	2	76.7	6	1180		415903
6	1	60	6			739340
7	1	53.1	6			1062002
8	2	80.8	6	1772		53279
9	2	66.8	6	1308		375962
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:	2			Detection
Num	ber of Burst	s in Trial:	11			(Yes/No)
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.3	9			572286
2	1	60.1	9			836083
3	3	89.6	9	1440	1575	11057
4	2	79.5	9	1369		274996
5	3	98.8	9	1099	1275	538369
6	3	84.7	9	1650	1769	801389
7	1	51.4	9			1068068
8	2	69.8	9	1983		242218
9	2	83.3	9	1950		506136
10	1	50.9	9			770863
11	2	71.4	9	1116		1034768
12						
13						
14						
15						
16						
17				•		
18			İ			
19			İ			
20						

	Trial Number:			3	Detection	
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)
1	3	94.2	5	1478	1777	288532
2	2	82.9	5	1681		651974
3	2	73.5	5	1889		1014683
4	2	75.8	5	1295		1378001
5	2	69.7	5	1075		244188
6	3	86.9	5	1907	1463	606557
7	3	97.4	5	1072	1173	969693
8	2	76.9	5	1193		1333926
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20				·		

	Trial Numb	er:		4		Detection
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.2	12			113987
2	1	63.2	12			321486
3	2	81.6	12	1624		528264
4	3	97.1	12	1125	1787	733969
5	1	62.5	12			88396
6	1	61.5	12			295881
7	3	92.6	12	1645	1343	501606
8	3	92.5	12	1899	1591	708477
9	1	56.1	12			62881
10	3	85.6	12	1837	1392	269320
11	1	61	12			477893
12	1	51.8	12			685309
13	3	95.8	12	1327	1249	37176
14	1	58.5	12			244764
15						
16						
17						
18						
19						
20						

	Trial Number:			5		Detection	
	ber of Burst		14			(Yes/No)	
Chir	Chirp Center Frequency:			5310		No	
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)	
1	2	75.4	13	1733		451522	
2	3	90.7	13	1570	1285	657471	
3	3	87.6	13	1868	1643	11695	
4	3	93.5	13	1371	1579	218584	
5	3	94.5	13	1105	1147	425679	
6	1	53.9	13			634053	
7	3	98.2	13	1652	1311	839188	
8	3	97.5	13	1351	1316	193137	
9	2	83.2	13	1490		400517	
10	3	99.6	13	1642	1680	606704	
11	1	62.1	13			815936	
12	1	51.5	13			168219	
13	2	72.3	13	1628		375144	
14	2	72.1	13	1065		582695	
15							
16							
17							
18							
19							
20							

	Trial Number:			6		Detection
Num	ber of Burst	s in Trial:		10	(Yes/No)	
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)
1	3	91.4	8	1268	1362	1105275
2	2	76.2	8	1870		199366
3	1	54.4	8			490358
4	3	89.9	8	1256	1414	779365
5	1	62.6	8			1071413
6	2	76.3	8	1387		163769
7	1	64.6	8			454651
8	1	53.6	8			745006
9	2	75.7	8	1431		1034301
10	1	63.1	8			128079
11						
12						
13						
14						
15						
16	-					
17						
18						
19						
20						

	Trial Number:			7		Detection
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						
19						
20						

Trial Number:		8			Detection	
Num	ber of Burst	s in Trial:		16	(Yes/No)	
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						
19						
20				_		

	Trial Number:			9		Detection
Num	ber of Burst	s in Trial:		12	(Yes/No)	
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	51.1	10			169836
2	2	79.9	10	1817		411435
3	2	81.1	10	1203		653492
4	2	71.2	10	1523		894783
5	3	89.2	10	1910	1152	139593
6	2	69.5	10	1149		381670
7	3	94	10	1755	1973	622378
8	2	71.8	10	1465		865458
9	1	65	10			110246
10	2	74.4	10	1489		351980
11	1	66.4	10			594506
12	2	76.5	10	1040		835513
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			10	Detection	
Num	ber of Burst	s in Trial:		9	(Yes/No)	
Chir	Chirp Center Frequency:			5310		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	97.8	7	1882	1779	106978
2	1	55.9	7			430424
3	1	52.1	7			753353
4	3	99	7	1767	1057	1073995
5	2	77.3	7	1498		67384
6	1	63.1	7			390566
7	2	76	7	1717		712399
8	3	86.7	7	1195	1667	1034158
9	1	64.6	7			27685
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			11	Detection	
Num	ber of Burst	s in Trial:	10			(Yes/No)
Chir	Chirp Center Frequency:			5294.994		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	58.6	8			315543
2	3	88	8	1770	1571	604519
3	2	78.2	8	1828		895230
4	3	97.6	8	1496	1028	1185129
5	2	69.3	8	1140		279539
6	3	97.5	8	1468	1623	569056
7	3	95.9	8	1951	1279	858767
8	2	73.5	8	1480		1150807
9	3	93.7	8	1025	1969	243392
10	2	78.2	8	1388		534084
11						
12						
13						
14						
15						
16						
17						
18						
19				`		
20						

	Trial Numb	er:		12		Detection
Num	ber of Burst	s in Trial:		18	(Yes/No)	
Chir	Chirp Center Frequency:			5298.594		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.1	17			458266
2	2	78.8	17	1011		618238
3	3	85.7	17	1196	1739	115058
4	3	91.1	17	1002	1952	275495
5	1	65.3	17			438138
6	1	53	17			599661
7	1	51	17			95681
8	1	59.8	17			257166
9	1	56.1	17			418283
10	3	91.6	17	1314	1801	576878
11	3	85.6	17	1415	1931	75439
12	2	67.8	17	1340		236781
13	1	63.8	17			398735
14	1	59.8	17			559395
15	1	65.8	17			55892
16	3	95.7	17	1865	1231	216175
17	2	72.9	17	1848		377480
18	1	66.6	17			539999
19						
20						

	Trial Number:			13		Detection
Num	ber of Burst	s in Trial:	15			(Yes/No)
Chir	Chirp Center Frequency:			5297.394		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	81.1	14	1691		43173
2	1	54.7	14			237072
3	2	71.7	14	1670		429725
4	3	85	14	1339	1900	621518
5	1	52.4	14			19432
6	1	55.8	14			213028
7	3	92.5	14	1427	1153	405290
8	3	92	14	1990	1317	597929
9	1	52.8	14			794345
10	2	73.6	14	1715		188943
11	2	69.9	14	1102		382243
12	2	72	14	1878		574958
13	3	98.2	14	1020	1958	767112
14	3	98.3	14	1277	1686	164814
15	2	71.3	14	1296		358432
16						
17						
18						
19						
20						

	Trial Number:			14		Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chir	Chirp Center Frequency:			5299.794		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	96.2	20	1464	1142	412467
2	1	50.2	20			559149
3	3	97.8	20	1221	1168	105622
4	1	62	20			251304
5	1	64.8	20			396581
6	3	86.9	20	1208	1270	539601
7	3	95.9	20	1963	1750	87618
8	2	76.2	20	1318		232979
9	1	53.3	20			378329
10	2	69.8	20	1703		521958
11	3	95.2	20	1187	1557	69956
12	2	79	20	1968		214668
13	3	90.8	20	1822	1297	358915
14	2	74.2	20	1816		504640
15	2	68.3	20	1761		52265
16	2	81.8	20	1323		197219
17	2	73.6	20	1189		342218
18	2	74.6	20	1410		486611
19	2	79.3	20	1441		34446
20	3	92.5	20	1661	1771	178766

	Trial Number:		15			Detection	
Num	ber of Burst	s in Trial:	17			(Yes/No)	
Chir	Chirp Center Frequency:			5298.194		Yes	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	3	88.9	16	1239	1759	380606	
2	1	56.5	16			553212	
3	2	81.2	16	1330		19594	
4	2	76.3	16	1862		190008	
5	2	79.9	16	1368		360470	
6	3	98.7	16	1510	1320	529951	
7	2	73.4	16	1529		701560	
8	1	50.2	16			169324	
9	2	77.5	16	1067		339969	
10	3	89.9	16	1344	1559	509095	
11	3	84.2	16	1901	1918	677997	
12	3	93.5	16	1656	1355	147725	
13	3	87.3	16	1432	1731	317636	
14	3	96.5	16	1511	1732	487504	
15	2	67.6	16	1078		659989	
16	1	59.6	16			127277	
17	2	68	16	1156		297601	
18							
19							
20							

	Trial Numb	er:		16	Detection	
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	Chirp Center Frequency:			5293.794		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	83.7	5	1908	1548	995497
2	1	58.1	5			1361600
3	2	79.8	5	1885		225782
4	3	85.2	5	1647	1080	588360
5	2	78.5	5	1887		951829
6	2	68.4	5	1269		1315202
7	1	65.1	5			181313
8	1	57.3	5			544812
9						
10						
11						
12						
13						
14						
15						·
16						·
17						·
18						
19						
20						

	Trial Number:			17		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5296.194		No
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.8	11	1829		557698
2	1	51.7	11			782182
3	2	67.8	11	1402		83874
4	3	84.5	11	1036	1500	306513
5	3	91.9	11	1855	1519	529020
6	3	96.4	11	1988	1331	751885
7	3	97.4	11	1991	1337	56297
8	2	68.9	11	1858		279421
9	1	55.8	11			503662
10	2	82.5	11	1538		725515
11	3	89.7	11	1095	1710	28860
12	2	69.1	11	1029		252246
13	2	71.5	11	1785		475029
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		18		Detection
Num	ber of Burst	s in Trial:	16			(Yes/No)
Chir	Chirp Center Frequency:			5297.794		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	82.1	15	1760		566651
2	1	66.2	15			1143
3	1	63.5	15			182789
4	3	95.7	15	1083	1418	362933
5	3	98.8	15	1254	1088	543876
6	1	63.5	15			727356
7	3	85.7	15	1283	1651	159683
8	1	51.6	15			341898
9	3	91.8	15	1399	1640	521273
10	3	94.3	15	1108	1675	702317
11	1	56.5	15			137881
12	1	58.7	15			319662
13	1	63.7	15			501159
14	3	90	15	1438	1925	679274
15	1	66.5	15			115593
16	3	99.6	15	1632	1171	296127
17						
18						
19						
20						

	Trial Number:		19			Detection
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	p Center Fre	equency:		5293.794		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.2	5			958469
2	1	60.3	5			1321531
3	3	88.2	5	1773.000	1804.000	186176
4	1	66.1	5			550007
5	2	68.9	5	1944.000		912150
6	1	53	5			1276596
7	3	96.9	5	1879.000	1258.000	141585
8	1	55.6	5			505262
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		20		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5296.194		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	65.7	11			534549
2	3	85.6	11	1321	1726	755351
3	3	93.6	11	1863	1370	59514
4	3	86.8	11	1998	1603	282206
5	2	74.6	11	1505		505905
6	2	81.5	11	1808		728563
7	1	64	11			32199
8	2	78	11	1916		255085
9	3	90.6	11	1299	1596	477956
10	3	96.6	11	1692	1133	700648
11	1	51.5	11			4666
12	3	92	11	1584	1457	227313
13	1	66.2	11			451522
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			21	Detection	
Num	ber of Burst	s in Trial:	19			(Yes/No)
Chir	Chirp Center Frequency:			5320.606		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	89.6	19	1913	1976	458587
2	2	79.8	19	1367		612743
3	1	54.9	19			137244
4	2	79.4	19	1803		289280
5	1	55.7	19			442917
6	3	85.1	19	1606	1143	592930
7	1	57.4	19			118375
8	1	61.2	19			271325
9	2	75.8	19	1811		422480
10	2	78.2	19	1852		574802
11	1	56.3	19			99538
12	2	80.9	19	1220		251892
13	2	69.4	19	1687		404285
14	3	98.6	19	1518	1154	555798
15	2	72.1	19	1332		80537
16	1	51.5	19			233486
17	1	53	19			386496
18	1	52.6	19			539575
19	2	79.1	19	1949		61718
20						

	Trial Numb	er:		22		Detection
Num	ber of Burst	s in Trial:	16			(Yes/No)
Chir	rp Center Fre	equency:	5322.206			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	69.3	15	1877		254487
2	1	57.8	15			436785
3	2	79.9	15	2000		616628
4	1	63.1	15			51159
5	2	69.9	15	1380		232224
6	3	99	15	1994	1160	412665
7	2	77	15	1860		594490
8	1	60.2	15			28800
9	2	80.3	15	1798		209873
10	2	78.6	15	1522		391228
11	2	68.2	15	1608		571946
12	2	67.2	15	1114		6427
13	3	88.5	15	1446	1406	187164
14	2	74.6	15	1682		368451
15	2	83.3	15	1853		549946
16	2	67.7	15	1423		731000
17						
18						
19						
20						

	Trial Number:			23		Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	Chirp Center Frequency:			5323.406		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	80.6	12	1325		188949
2	2	83.3	12	1202		396121
3	3	86.7	12	1451	1372	602317
4	1	63.1	12			811814
5	2	68	12	1807		163477
6	3	89.5	12	1134	1416	370010
7	3	94.4	12	1948	1058	577001
8	3	90	12	1047	1705	784127
9	1	57.4	12			138193
10	3	87.2	12	1074	1001	344709
11	1	55.9	12			553281
12	1	55.2	12			761200
13	2	82.9	12	1212		112482
14	3	92	12	1473	1922	318957
15						
16						
17						
18			_			
19						
20						

	Trial Numb	er:		24		Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	Chirp Center Frequency:			5323.006		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.5	13	1555		526518
2	3	87.5	13	1504	1599	732507
3	3	93.9	13	1664	1391	86736
4	2	72.4	13	1614		294120
5	2	72.6	13	1106		501671
6	1	58.4	13			709310
7	1	59.6	13			61533
8	1	66.6	13			268913
9	3	85	13	1186	1796	475077
10	2	80.5	13	1727		682804
11	2	78.8	13	1452		35899
12	2	74.8	13	1935		242795
13	2	77.2	13	1197		450389
14	2	82.6	13	1082		657756
15						
16						
17						
18						
19						
20						

	Trial Number:			25	Detection	
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5323.806		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.5	11			11192
2	1	61	11			234643
3	2	67.9	11	1502		457245
4	1	56.2	11			681769
5	3	86.1	11	1228	1031	902590
6	2	80.9	11	1445		206945
7	3	91.5	11	1455	1122	429305
8	2	68.2	11	1015		653478
9	1	66.3	11			877390
10	3	89.5	11	1543	1470	178971
11	1	61.1	11			403302
12	2	79.9	11	1214		625531
13	1	63.5	11			850373
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		26		Detection
Num	ber of Burst	s in Trial:	17			(Yes/No)
Chir	Chirp Center Frequency:			5321.806		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	90	16	1185	1509	115777
2	1	55.7	16			286979
3	2	82.7	16	1904		456477
4	3	93	16	1765	1223	625877
5	2	71.7	16	1073		95108
6	2	77.4	16	1237		265667
7	3	88.3	16	1250	1017	435305
8	1	52.1	16			607978
9	2	80.7	16	1532		74051
10	2	73.3	16	1272		244577
11	1	66	16			415586
12	1	51.9	16			586282
13	2	74.8	16	1845		52957
14	1	58	16			223816
15	1	63.9	16			394907
16	3	98.3	16	1042	1007	563737
17	1	56.1	16			32086
18						
19						
20						

	Trial Number:		27			Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chir	p Center Fre	equency:		5320.206		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	84.4	20	1006	1288	171798
2	3	93.2	20	1704	1121	316209
3	1	62.2	20			463045
4	1	61.7	20			9381
5	2	82.4	20	1923		154002
6	3	96.5	20	1257	1352	298454
7	2	69.3	20	1714		443388
8	3	99.7	20	1753	1016	587670
9	2	69.1	20	1145		136359
10	1	52	20			281692
11	1	50.4	20			426935
12	1	58.2	20			571957
13	2	71.1	20	1539		118444
14	1	54.4	20			264113
15	1	61.3	20			408792
16	3	92.8	20	1255	1719	551905
17	3	95	20	1481	1342	100355
18	2	69.7	20	1499		245551
19	1	60.9	20			391316
20	1	52.2	20			536137

	Trial Numb	er:		28		Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	Chirp Center Frequency:			5323.006		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	87.5	13	1209	1978	118213
2	1	57	13			326346
3	3	97.5	13	1615	1349	531858
4	3	88.9	13	1984	1005	738617
5	2	80.5	13	1010		92995
6	2	76.9	13	1764		300151
7	3	87.7	13	1987	1119	506096
8	1	51.9	13			716032
9	1	54.3	13			67531
10	1	61.3	13			275052
11	2	72.8	13	1886		481481
12	2	77.5	13	1071		689565
13	2	69.9	13	1503		41917
14	1	60.2	13			249630
15						
16						
17						
18						
19						
20						

Trial Number:		29			Detection	
Num	ber of Burst	s in Trial:	12			(Yes/No)
Chir	Chirp Center Frequency:			5324.206		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55.1	10			533545
2	2	67.9	10	1100		774812
3	2	67.6	10	1790		19150
4	1	51.7	10			261321
5	1	57.5	10			503712
6	1	59.3	10			745934
7	1	63.4	10			988293
8	3	93.4	10	1746	1707	230686
9	1	52.6	10			473625
10	2	75.3	10	1786		714764
11	3	87.8	10	1281	1979	955073
12	3	94	10	1309	1176	201103
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		30		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5324.606		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	59.5	9			484104
2	2	68.8	9	1426		747546
3	1	54.6	9			1012254
4	1	59.2	9			187514
5	2	79.9	9	1597		451068
6	3	88.4	9	1823	1077	714344
7	1	53	9			980078
8	3	96.1	9	1068	1109	154584
9	2	68.7	9	1736		418486
10	2	77.4	9	1857		682304
11	3	95.8	9	1941	1893	944646
12	2	76.2	12	1770		563316
13	1	60.6	12			788278
14						
15						
16						
17						
18						
19						
20						

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	1	1930.50	518	Yes
2	12	1355.01	738	Yes
3	15	1253.13	798	Yes
4	13	1319.26	758	Yes
5	8	1519.76	658	Yes
6	11	1392.76	718	Yes
7	21	1089.32	918	Yes
8	12	326.16	3066	Yes
9	4	1730.10	578	Yes
10	20	1113.59	898	Yes
11	2	1858.74	538	Yes
12	22	1066.10	938	Yes
13	5	1672.24	598	Yes
14	17	1193.32	838	Yes
15	7	1567.40	638	Yes
16		346.98	2882	Yes
17	7	394.01	2538	No
18	7	1897.53	527	Yes
19	7	447.23	2236	Yes
20	7	1285.35	778	Yes
21	7	1557.63	642	Yes
22	7	469.48	2130	Yes
23	7	1069.52	935	Yes
24	7	626.17	1597	Yes
25	7	373.69	2676	Yes
26	7	586.85	1704	Yes
27	7	689.18	1451	Yes
28	7	765.11	1307	Yes
29	7	432.90	2310	Yes
30	7	449.84	2223	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	23	1.40	198	Yes
2	25	2.20	224	Yes
3	23	1.10	176	Yes
4	26	2.90	182	Yes
5	26	3.10	229	Yes
6	24	1.80	202	Yes
7	23	1.20	228	No
8	27	3.50	194	Yes
9	25	2.30	157	Yes
10	24	1.60	167	Yes
11	24	1.80	199	Yes
12	28	4.20	230	Yes
13	27	3.40	152	Yes
14	29	5.00	217	Yes
15	27	3.80	186	Yes
16	23	1.10	206	Yes
17	25	2.60	180	Yes
18	27	3.70	165	Yes
19	23	1.00	188	Yes
20	25	2.70	227	Yes
21	29	4.60	219	Yes
22	27	3.60	203	Yes
23	26	2.90	184	Yes
24	26	3.10	178	Yes
25	25	2.60	221	Yes
26	28	4.00	153	Yes
27	29	4.80	193	Yes
28	26	3.20	210	Yes
29	25	2.30	162	Yes
30	24	2.00	181	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	6.40	465	Yes
2	16	7.20	383	Yes
3	16	6.10	271	Yes
4	17	7.90	440	No
5	17	8.10	341	Yes
6	16	6.80	318	Yes
7	16	6.20	334	Yes
8	17	8.50	494	Yes
9	17	7.30	245	Yes
10	16	6.60	215	Yes
11	16	6.80	282	Yes
12	18	9.20	485	Yes
13	17	8.40	258	Yes
14	18	10.00	437	Yes
15	18	8.80	320	Yes
16	16	6.10	200	Yes
17	17	7.60	220	Yes
18	17	8.70	401	Yes
19	16	6.00	399	Yes
20	17	7.70	205	Yes
21	18	9.60	470	Yes
22	17	8.60	491	Yes
23	17	7.90	297	Yes
24	17	8.10	202	No
25	17	7.60	391	Yes
26	18	9.00	396	Yes
27	18	9.80	397	Yes
28	17	8.20	288	Yes
29	16	7.30	219	Yes
30	16	7.00	261	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	12	11.90	465	Yes
2	13	13.70	383	Yes
3	12	11.30	271	Yes
4	14	15.30	440	Yes
5	14	15.80	341	Yes
6	13	12.80	318	Yes
7	12	11.50	334	Yes
8	15	16.60	494	Yes
9	13	14.00	245	Yes
10	12	12.30	215	Yes
11	13	12.80	282	Yes
12	15	18.10	485	Yes
13	14	16.30	258	Yes
14	16	19.80	437	Yes
15	15	17.30	320	Yes
16	12	11.20	200	Yes
17	13	14.50	220	Yes
18	15	17.00	401	Yes
19	12	11.10	399	Yes
20	14	14.80	205	Yes
21	16	19.00	470	No
22	15	16.90	491	Yes
23	14	15.20	297	Yes
24	14	15.60	202	Yes
25	13	14.50	391	Yes
26	15	17.70	396	Yes
27	16	19.60	397	Yes
28	14	15.80	288	Yes
29	13	13.90	219	Yes
30	13	13.40	261	Yes

	Trial Number:		1			Detection
Num	Number of Bursts in Trial:			9	(Yes/No)	
Chir	p Center Fre	equency:		5500		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55	6			456091
2	1	64.9	6			778946
3	1	52	6			1101904
4	2	74.2	6	1019		93064
5	2	76.7	6	1180		415903
6	1	60	6			739340
7	1	53.1	6			1062002
8	2	80.8	6	1772		53279
9	2	66.8	6	1308		375962
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		2		Detection
Num	ber of Burst	s in Trial:	11			(Yes/No)
Chir	rp Center Fre	equency:		5500		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.3	9			572286
2	1	60.1	9			836083
3	3	89.6	9	1440	1575	11057
4	2	79.5	9	1369		274996
5	3	98.8	9	1099	1275	538369
6	3	84.7	9	1650	1769	801389
7	1	51.4	9			1068068
8	2	69.8	9	1983		242218
9	2	83.3	9	1950		506136
10	1	50.9	9			770863
11	2	71.4	9	1116		1034768
12						
13						
14						
15						
16						
17				•		
18						
19						
20						

	Trial Number:		3			Detection
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	p Center Fre	equency:		5500		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)
1	3	94.2	5	1478	1777	288532
2	2	82.9	5	1681		651974
3	2	73.5	5	1889		1014683
4	2	75.8	5	1295		1378001
5	2	69.7	5	1075		244188
6	3	86.9	5	1907	1463	606557
7	3	97.4	5	1072	1173	969693
8	2	76.9	5	1193		1333926
9						
10						
11						
12						
13						
14						
15						
16						
17						
18	<u> </u>			<u> </u>		-
19						
20						

	Trial Numb	er:		4		Detection
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	Chirp Center Frequency:			5500		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.2	12			113987
2	1	63.2	12			321486
3	2	81.6	12	1624		528264
4	3	97.1	12	1125	1787	733969
5	1	62.5	12			88396
6	1	61.5	12			295881
7	3	92.6	12	1645	1343	501606
8	3	92.5	12	1899	1591	708477
9	1	56.1	12			62881
10	3	85.6	12	1837	1392	269320
11	1	61	12			477893
12	1	51.8	12			685309
13	3	95.8	12	1327	1249	37176
14	1	58.5	12			244764
15						
16						
17						
18						
19						
20						

	Trial Number:			5		Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	Chirp Center Frequency:			5500		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.4	13	1733		451522
2	3	90.7	13	1570	1285	657471
3	3	87.6	13	1868	1643	11695
4	3	93.5	13	1371	1579	218584
5	3	94.5	13	1105	1147	425679
6	1	53.9	13			634053
7	3	98.2	13	1652	1311	839188
8	3	97.5	13	1351	1316	193137
9	2	83.2	13	1490		400517
10	3	99.6	13	1642	1680	606704
11	1	62.1	13			815936
12	1	51.5	13			168219
13	2	72.3	13	1628		375144
14	2	72.1	13	1065		582695
15						
16						
17						
18						
19						
20						

	Trial Number:			6		Detection
Num	ber of Burst	s in Trial:		10	(Yes/No)	
Chir	Chirp Center Frequency:			5500		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	91.4	8	1268	1362	1105275
2	2	76.2	8	1870		199366
3	1	54.4	8			490358
4	3	89.9	8	1256	1414	779365
5	1	62.6	8			1071413
6	2	76.3	8	1387		163769
7	1	64.6	8			454651
8	1	53.6	8			745006
9	2	75.7	8	1431		1034301
10	1	63.1	8			128079
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		7		Detection
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	Chirp Center Frequency:			5500		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						
19						
20						

	Trial Numb	er:		8		Detection
Num	ber of Burst	s in Trial:		16	(Yes/No)	
Chii	p Center Fre	equency:		5500		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						
19						
20						

	Trial Number:		9			Detection
Num	ber of Burst	s in Trial:	12			(Yes/No)
Chir	Chirp Center Frequency:			5500		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	51.1	10			169836
2	2	79.9	10	1817		411435
3	2	81.1	10	1203		653492
4	2	71.2	10	1523		894783
5	3	89.2	10	1910	1152	139593
6	2	69.5	10	1149		381670
7	3	94	10	1755	1973	622378
8	2	71.8	10	1465		865458
9	1	65	10			110246
10	2	74.4	10	1489		351980
11	1	66.4	10			594506
12	2	76.5	10	1040		835513
13						
14						
15						
16						
17						
18						
19						
20					·	

	Trial Number:		10			Detection
Num	ber of Burst	s in Trial:	9			(Yes/No)
Chir	p Center Fre			5500		Yes
Burst		Pulse Width (Microseconds)	` '	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	97.8	7	1882	1779	106978
2	1	55.9	7			430424
3	1	52.1	7			753353
4	3	99	7	1767	1057	1073995
5	2	77.3	7	1498		67384
6	1	63.1	7			390566
7	2	76	7	1717		712399
8	3	86.7	7	1195	1667	1034158
9	1	64.6	7			27685
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:			11	Detection		
Num	ber of Burst	s in Trial:		10	(Yes/No)	
Chir	Chirp Center Frequency:			5494.0735		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	58.6	8			315543
2	3	88	8	1770	1571	604519
3	2	78.2	8	1828		895230
4	3	97.6	8	1496	1028	1185129
5	2	69.3	8	1140		279539
6	3	97.5	8	1468	1623	569056
7	3	95.9	8	1951	1279	858767
8	2	73.5	8	1480		1150807
9	3	93.7	8	1025	1969	243392
10	2	78.2	8	1388		534084
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		12		Detection (Yes/No)
Num	ber of Burst	s in Trial:		18		
Chii	rp Center Fre	equency:		5497.6735		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.1	17			458266
2	2	78.8	17	1011		618238
3	3	85.7	17	1196	1739	115058
4	3	91.1	17	1002	1952	275495
5	1	65.3	17			438138
6	1	53	17			599661
7	1	51	17			95681
8	1	59.8	17			257166
9	1	56.1	17			418283
10	3	91.6	17	1314	1801	576878
11	3	85.6	17	1415	1931	75439
12	2	67.8	17	1340		236781
13	1	63.8	17			398735
14	1	59.8	17			559395
15	1	65.8	17			55892
16	3	95.7	17	1865	1231	216175
17	2	72.9	17	1848		377480
18	1	66.6	17			539999
19						
20						

	Trial Number:			13		Detection
Num	ber of Burst	s in Trial:	15			(Yes/No)
Chir	Chirp Center Frequency:			5496.4735		No
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	81.1	14	1691		43173
2	1	54.7	14			237072
3	2	71.7	14	1670		429725
4	3	85	14	1339	1900	621518
5	1	52.4	14			19432
6	1	55.8	14			213028
7	3	92.5	14	1427	1153	405290
8	3	92	14	1990	1317	597929
9	1	52.8	14			794345
10	2	73.6	14	1715		188943
11	2	69.9	14	1102		382243
12	2	72	14	1878		574958
13	3	98.2	14	1020	1958	767112
14	3	98.3	14	1277	1686	164814
15	2	71.3	14	1296		358432
16						
17						
18						
19						
20						

	Trial Numb	er:		14		Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chir	Chirp Center Frequency:			5498.8735		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	96.2	20	1464	1142	412467
2	1	50.2	20			559149
3	3	97.8	20	1221	1168	105622
4	1	62	20			251304
5	1	64.8	20			396581
6	3	86.9	20	1208	1270	539601
7	3	95.9	20	1963	1750	87618
8	2	76.2	20	1318		232979
9	1	53.3	20			378329
10	2	69.8	20	1703		521958
11	3	95.2	20	1187	1557	69956
12	2	79	20	1968		214668
13	3	90.8	20	1822	1297	358915
14	2	74.2	20	1816		504640
15	2	68.3	20	1761		52265
16	2	81.8	20	1323		197219
17	2	73.6	20	1189		342218
18	2	74.6	20	1410		486611
19	2	79.3	20	1441		34446
20	3	92.5	20	1661	1771	178766

	Trial Number:		15			Detection	
Num	ber of Burst	s in Trial:	17			(Yes/No)	
Chir	Chirp Center Frequency:			5497.2735		Yes	
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	3	88.9	16	1239	1759	380606	
2	1	56.5	16			553212	
3	2	81.2	16	1330		19594	
4	2	76.3	16	1862		190008	
5	2	79.9	16	1368		360470	
6	3	98.7	16	1510	1320	529951	
7	2	73.4	16	1529		701560	
8	1	50.2	16			169324	
9	2	77.5	16	1067		339969	
10	3	89.9	16	1344	1559	509095	
11	3	84.2	16	1901	1918	677997	
12	3	93.5	16	1656	1355	147725	
13	3	87.3	16	1432	1731	317636	
14	3	96.5	16	1511	1732	487504	
15	2	67.6	16	1078		659989	
16	1	59.6	16			127277	
17	2	68	16	1156		297601	
18							
19							
20							

	Trial Numb	er:		16		Detection
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	Chirp Center Frequency:			5492.8735		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	83.7	5	1908	1548	995497
2	1	58.1	5			1361600
3	2	79.8	5	1885		225782
4	3	85.2	5	1647	1080	588360
5	2	78.5	5	1887		951829
6	2	68.4	5	1269		1315202
7	1	65.1	5			181313
8	1	57.3	5			544812
9						
10						
11						
12						
13						
14						
15						·
16						·
17						
18						
19						
20		-				

Trial Number:			17			Detection
Number of Bursts in Trial:			13			(Yes/No)
Chirp Center Frequency:			5495.2735			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.8	11	1829		557698
2	1	51.7	11			782182
3	2	67.8	11	1402		83874
4	3	84.5	11	1036	1500	306513
5	3	91.9	11	1855	1519	529020
6	3	96.4	11	1988	1331	751885
7	3	97.4	11	1991	1337	56297
8	2	68.9	11	1858		279421
9	1	55.8	11			503662
10	2	82.5	11	1538		725515
11	3	89.7	11	1095	1710	28860
12	2	69.1	11	1029		252246
13	2	71.5	11	1785		475029
14						
15						
16						
17						
18						
19						
20						

Trial Number:			18			Detection
Number of Bursts in Trial:			16			(Yes/No)
Chirp Center Frequency:			5496.8735			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	82.1	15	1760		566651
2	1	66.2	15			1143
3	1	63.5	15			182789
4	3	95.7	15	1083	1418	362933
5	3	98.8	15	1254	1088	543876
6	1	63.5	15			727356
7	3	85.7	15	1283	1651	159683
8	1	51.6	15			341898
9	3	91.8	15	1399	1640	521273
10	3	94.3	15	1108	1675	702317
11	1	56.5	15			137881
12	1	58.7	15			319662
13	1	63.7	15			501159
14	3	90	15	1438	1925	679274
15	1	66.5	15			115593
16	3	99.6	15	1632	1171	296127
17						
18						
19			İ			
20						

Trial Number:		19			Detection	
Number of Bursts in Trial:			8			(Yes/No)
Chirp Center Frequency:			5492.8735			Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.2	5			958469
2	1	60.3	5			1321531
3	3	88.2	5	1773.000	1804.000	186176
4	1	66.1	5			550007
5	2	68.9	5	1944.000		912150
6	1	53	5			1276596
7	3	96.9	5	1879.000	1258.000	141585
8	1	55.6	5			505262
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:			20			Detection
Number of Bursts in Trial:			13			(Yes/No)
Chirp Center Frequency:			5495.2735			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	65.7	11			534549
2	3	85.6	11	1321	1726	755351
3	3	93.6	11	1863	1370	59514
4	3	86.8	11	1998	1603	282206
5	2	74.6	11	1505		505905
6	2	81.5	11	1808		728563
7	1	64	11			32199
8	2	78	11	1916		255085
9	3	90.6	11	1299	1596	477956
10	3	96.6	11	1692	1133	700648
11	1	51.5	11			4666
12	3	92	11	1584	1457	227313
13	1	66.2	11			451522
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:	21			Detection
Num	ber of Burst	s in Trial:	19			(Yes/No)
Chir	Chirp Center Frequency:			5501.5265		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	89.6	19	1913	1976	458587
2	2	79.8	19	1367		612743
3	1	54.9	19			137244
4	2	79.4	19	1803		289280
5	1	55.7	19			442917
6	3	85.1	19	1606	1143	592930
7	1	57.4	19			118375
8	1	61.2	19			271325
9	2	75.8	19	1811		422480
10	2	78.2	19	1852		574802
11	1	56.3	19			99538
12	2	80.9	19	1220		251892
13	2	69.4	19	1687		404285
14	3	98.6	19	1518	1154	555798
15	2	72.1	19	1332		80537
16	1	51.5	19			233486
17	1	53	19			386496
18	1	52.6	19			539575
19	2	79.1	19	1949		61718
20						

	Trial Numb	er:		22		Detection	
Num	ber of Burst	s in Trial:	16			(Yes/No)	
Chir	p Center Fre	equency:		5503.1265		No	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	2	69.3	15	1877		254487	
2	1	57.8	15			436785	
3	2	79.9	15	2000		616628	
4	1	63.1	15			51159	
5	2	69.9	15	1380		232224	
6	3	99	15	1994	1160	412665	
7	2	77	15	1860		594490	
8	1	60.2	15			28800	
9	2	80.3	15	1798		209873	
10	2	78.6	15	1522		391228	
11	2	68.2	15	1608		571946	
12	2	67.2	15	1114		6427	
13	3	88.5	15	1446	1406	187164	
14	2	74.6	15	1682		368451	
15	2	83.3	15	1853		549946	
16	2	67.7	15	1423		731000	
17							
18							
19							
20							

	Trial Numb	er:		23		Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	p Center Fre	equency:		5504.3265		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	80.6	12	1325		188949
2	2	83.3	12	1202		396121
3	3	86.7	12	1451	1372	602317
4	1	63.1	12			811814
5	2	68	12	1807		163477
6	3	89.5	12	1134	1416	370010
7	3	94.4	12	1948	1058	577001
8	3	90	12	1047	1705	784127
9	1	57.4	12			138193
10	3	87.2	12	1074	1001	344709
11	1	55.9	12			553281
12	1	55.2	12			761200
13	2	82.9	12	1212		112482
14	3	92	12	1473	1922	318957
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		24		Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chi	rp Center Fre	equency:		5503.9265		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.5	13	1555		526518
2	3	87.5	13	1504	1599	732507
3	3	93.9	13	1664	1391	86736
4	2	72.4	13	1614		294120
5	2	72.6	13	1106		501671
6	1	58.4	13			709310
7	1	59.6	13			61533
8	1	66.6	13			268913
9	3	85	13	1186	1796	475077
10	2	80.5	13	1727		682804
11	2	78.8	13	1452		35899
12	2	74.8	13	1935		242795
13	2	77.2	13	1197		450389
14	2	82.6	13	1082		657756
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		25	Detection	
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	p Center Fre	equency:		5504.7265		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.5	11			11192
2	1	61	11			234643
3	2	67.9	11	1502		457245
4	1	56.2	11			681769
5	3	86.1	11	1228	1031	902590
6	2	80.9	11	1445		206945
7	3	91.5	11	1455	1122	429305
8	2	68.2	11	1015		653478
9	1	66.3	11			877390
10	3	89.5	11	1543	1470	178971
11	1	61.1	11			403302
12	2	79.9	11	1214		625531
13	1	63.5	11			850373
14						
15						
16						
17						
18			İ			
19						
20						

	Trial Numb	er:		26		Detection	
Num	ber of Burst	s in Trial:	17			(Yes/No)	
Chir	rp Center Fre	equency:		5502.7265		Yes	
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	3	90	16	1185	1509	115777	
2	1	55.7	16			286979	
3	2	82.7	16	1904		456477	
4	3	93	16	1765	1223	625877	
5	2	71.7	16	1073		95108	
6	2	77.4	16	1237		265667	
7	3	88.3	16	1250	1017	435305	
8	1	52.1	16			607978	
9	2	80.7	16	1532		74051	
10	2	73.3	16	1272		244577	
11	1	66	16			415586	
12	1	51.9	16			586282	
13	2	74.8	16	1845		52957	
14	1	58	16			223816	
15	1	63.9	16			394907	
16	3	98.3	16	1042	1007	563737	
17	1	56.1	16			32086	
18							
19							
20							

	Trial Numb	er:	27			Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chir	p Center Fre	equency:	5501.1265			Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	84.4	20	1006	1288	171798
2	3	93.2	20	1704	1121	316209
3	1	62.2	20			463045
4	1	61.7	20			9381
5	2	82.4	20	1923		154002
6	3	96.5	20	1257	1352	298454
7	2	69.3	20	1714		443388
8	3	99.7	20	1753	1016	587670
9	2	69.1	20	1145		136359
10	1	52	20			281692
11	1	50.4	20			426935
12	1	58.2	20			571957
13	2	71.1	20	1539		118444
14	1	54.4	20			264113
15	1	61.3	20			408792
16	3	92.8	20	1255	1719	551905
17	3	95	20	1481	1342	100355
18	2	69.7	20	1499		245551
19	1	60.9	20			391316
20	1	52.2	20			536137

	Trial Numb	er:	28			Detection	
Num	ber of Burst	s in Trial:	14			(Yes/No)	
Chir	Chirp Center Frequency:			5503.9265		Yes	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)	
1	3	87.5	13	1209	1978	118213	
2	1	57	13			326346	
3	3	97.5	13	1615	1349	531858	
4	3	88.9	13	1984	1005	738617	
5	2	80.5	13	1010		92995	
6	2	76.9	13	1764		300151	
7	3	87.7	13	1987	1119	506096	
8	1	51.9	13			716032	
9	1	54.3	13			67531	
10	1	61.3	13			275052	
11	2	72.8	13	1886		481481	
12	2	77.5	13	1071		689565	
13	2	69.9	13	1503		41917	
14	1	60.2	13			249630	
15							
16							
17							
18							
19							
20							

	Trial Numb	er:		29	Detection	
	ber of Burst		12			(Yes/No)
Chir	p Center Fre	equency:	5505.1265			Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55.1	10			533545
2	2	67.9	10	1100		774812
3	2	67.6	10	1790		19150
4	1	51.7	10			261321
5	1	57.5	10			503712
6	1	59.3	10			745934
7	1	63.4	10			988293
8	3	93.4	10	1746	1707	230686
9	1	52.6	10			473625
10	2	75.3	10	1786		714764
11	3	87.8	10	1281	1979	955073
12	3	94	10	1309	1176	201103
13						
14						
15						
16						
17						
18						
19						
20					•	

	Trial Numb	er:		30		Detection	
Num	ber of Burst	s in Trial:	13			(Yes/No)	
Chir	p Center Fre	equency:		5505.5265		Yes	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	1	59.5	9			484104	
2	2	68.8	9	1426		747546	
3	1	54.6	9			1012254	
4	1	59.2	9			187514	
5	2	79.9	9	1597		451068	
6	3	88.4	9	1823	1077	714344	
7	1	53	9			980078	
8	3	96.1	9	1068	1109	154584	
9	2	68.7	9	1736		418486	
10	2	77.4	9	1857		682304	
11	3	95.8	9	1941	1893	944646	
12	2	76.2	12	1770		563316	
13	1	60.6	12			788278	
14							
15							
16							
17							
18			İ				
19							
20							

Trial #	Pulse Repetition	Pulse Repetition	Pulse Repetition Interval	Detection
IIIai#	Frequency	Frequency		(Yes / No)
1	Number (1 to 23)	(Pulses Per Second) 1930.50	(Microseconds)	Vaa
1	10		518	Yes
2	12	1355.01	738	Yes
3	15	1253.13	798	Yes
4	13	1319.26	758	No
5	8	1519.76	658	Yes
6	11	1392.76	718	Yes
7	21	1089.32	918	Yes
8	12	326.16	3066	Yes
9	4	1730.10	578	Yes
10	20	1113.59	898	Yes
11	2	1858.74	538	Yes
12	22	1066.10	938	Yes
13	5	1672.24	598	Yes
14	17	1193.32	838	Yes
15	7	1567.40	638	Yes
16		346.98	2882	Yes
17	7	394.01	2538	Yes
18	7	1897.53	527	Yes
19		447.23	2236	Yes
20		1285.35	778	Yes
21	7	1557.63	642	Yes
22	7	469.48	2130	Yes
23	7	1069.52	935	Yes
24	7	626.17	1597	Yes
25	7	373.69	2676	Yes
26	1	586.85	1704	No
27	1	689.18	1451	Yes
28	1	765.11	1307	Yes
29	1	432.90	2310	Yes
30	7	449.84	2223	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	23	1.40	198	Yes
2	25	2.20	224	Yes
3	23	1.10	176	Yes
4	26	2.90	182	Yes
5	26	3.10	229	Yes
6	24	1.80	202	No
7	23	1.20	228	Yes
8	27	3.50	194	Yes
9	25	2.30	157	Yes
10	24	1.60	167	Yes
11	24	1.80	199	Yes
12	28	4.20	230	Yes
13	27	3.40	152	Yes
14	29	5.00	217	Yes
15	27	3.80	186	Yes
16	23	1.10	206	No
17	25	2.60	180	Yes
18	27	3.70	165	Yes
19	23	1.00	188	Yes
20	25	2.70	227	Yes
21	29	4.60	219	Yes
22	27	3.60	203	Yes
23	26	2.90	184	Yes
24	26	3.10	178	Yes
25	25	2.60	221	Yes
26	28	4.00	153	Yes
27	29	4.80	193	Yes
28	26	3.20	210	Yes
29	25	2.30	162	Yes
30	24	2.00	181	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	6.40	465	Yes
2	16	7.20	383	Yes
3	16	6.10	271	Yes
4	17	7.90	440	Yes
5	17	8.10	341	Yes
6	16	6.80	318	Yes
7	16	6.20	334	Yes
8	17	8.50	494	Yes
9	17	7.30	245	Yes
10	16	6.60	215	Yes
11	16	6.80	282	Yes
12	18	9.20	485	Yes
13	17	8.40	258	No
14	18	10.00	437	Yes
15	18	8.80	320	Yes
16	16	6.10	200	Yes
17	17	7.60	220	Yes
18	17	8.70	401	Yes
19	16	6.00	399	Yes
20	17	7.70	205	Yes
21	18	9.60	470	Yes
22	17	8.60	491	Yes
23	17	7.90	297	Yes
24	17	8.10	202	Yes
25	17	7.60	391	Yes
26	18	9.00	396	Yes
27	18	9.80	397	Yes
28	17	8.20	288	Yes
29	16	7.30	219	Yes
30	16	7.00	261	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	12	11.90	465	Yes
2	13	13.70	383	Yes
3	12	11.30	271	Yes
4	14	15.30	440	Yes
5	14	15.80	341	Yes
6	13	12.80	318	Yes
7	12	11.50	334	Yes
8	15	16.60	494	Yes
9	13	14.00	245	Yes
10	12	12.30	215	Yes
11	13	12.80	282	No
12	15	18.10	485	Yes
13	14	16.30	258	Yes
14	16	19.80	437	Yes
15	15	17.30	320	Yes
16	12	11.20	200	Yes
17	13	14.50	220	Yes
18	15	17.00	401	Yes
19	12	11.10	399	Yes
20	14	14.80	205	Yes
21	16	19.00	470	Yes
22	15	16.90	491	No
23	14	15.20	297	Yes
24	14	15.60	202	Yes
25	13	14.50	391	Yes
26	15	17.70	396	Yes
27	16	19.60	397	Yes
28	14	15.80	288	Yes
29	13	13.90	219	Yes
30	13	13.40	261	Yes

	Trial Number:			1	Detection	
Num	ber of Burst	s in Trial:		9	(Yes/No)	
Chir	Chirp Center Frequency:			5510		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55	6			456091
2	1	64.9	6			778946
3	1	52	6			1101904
4	2	74.2	6	1019		93064
5	2	76.7	6	1180		415903
6	1	60	6			739340
7	1	53.1	6			1062002
8	2	80.8	6	1772		53279
9	2	66.8	6	1308		375962
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						·
20				_		

	Trial Numb	er:		2	Detection	
Num	ber of Burst	s in Trial:	11			(Yes/No)
Chir	Chirp Center Frequency:			5510		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.3	9			572286
2	1	60.1	9			836083
3	3	89.6	9	1440	1575	11057
4	2	79.5	9	1369		274996
5	3	98.8	9	1099	1275	538369
6	3	84.7	9	1650	1769	801389
7	1	51.4	9			1068068
8	2	69.8	9	1983		242218
9	2	83.3	9	1950		506136
10	1	50.9	9			770863
11	2	71.4	9	1116		1034768
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:		3			Detection
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	Chirp Center Frequency:			5510		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	94.2	5	1478	1777	288532
2	2	82.9	5	1681		651974
3	2	73.5	5	1889		1014683
4	2	75.8	5	1295		1378001
5	2	69.7	5	1075		244188
6	3	86.9	5	1907	1463	606557
7	3	97.4	5	1072	1173	969693
8	2	76.9	5	1193		1333926
9						
10						
11						
12						
13						
14						
15						
16						
17						
18					_	
19					_	
20						

	Trial Numb	er:		4		Detection
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5510		No
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.2	12			113987
2	1	63.2	12			321486
3	2	81.6	12	1624		528264
4	3	97.1	12	1125	1787	733969
5	1	62.5	12			88396
6	1	61.5	12			295881
7	3	92.6	12	1645	1343	501606
8	3	92.5	12	1899	1591	708477
9	1	56.1	12			62881
10	3	85.6	12	1837	1392	269320
11	1	61	12			477893
12	1	51.8	12			685309
13	3	95.8	12	1327	1249	37176
14	1	58.5	12			244764
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		5	Detection	
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	Chirp Center Frequency:			5510		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.4	13	1733		451522
2	3	90.7	13	1570	1285	657471
3	3	87.6	13	1868	1643	11695
4	3	93.5	13	1371	1579	218584
5	3	94.5	13	1105	1147	425679
6	1	53.9	13			634053
7	3	98.2	13	1652	1311	839188
8	3	97.5	13	1351	1316	193137
9	2	83.2	13	1490		400517
10	3	99.6	13	1642	1680	606704
11	1	62.1	13			815936
12	1	51.5	13			168219
13	2	72.3	13	1628		375144
14	2	72.1	13	1065		582695
15						
16						
17						
18						
19			İ			
20						

	Trial Number:		6			Detection
Num	ber of Burst	s in Trial:	10			(Yes/No)
Chir	Chirp Center Frequency:			5510		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	91.4	8	1268	1362	1105275
2	2	76.2	8	1870		199366
3	1	54.4	8			490358
4	3	89.9	8	1256	1414	779365
5	1	62.6	8			1071413
6	2	76.3	8	1387		163769
7	1	64.6	8			454651
8	1	53.6	8			745006
9	2	75.7	8	1431		1034301
10	1	63.1	8			128079
11						
12						
13						
14						
15						
16	-					
17						
18						
19						
20						

	Trial Numb	er:		7	Detection	
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5510		Yes
Burst	Number of Pulses	Pulse Width (Microseconds	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17			İ			
18						
19						
20						

	Trial Number:			8	Detection	
Num	ber of Burst	s in Trial:		16	(Yes/No)	
Chir	Chirp Center Frequency:			5510		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18				•		
19						
20				_		

	Trial Number:			9	Detection	
Num	ber of Burst	s in Trial:	12			(Yes/No)
Chir	Chirp Center Frequency:			5510		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	51.1	10			169836
2	2	79.9	10	1817		411435
3	2	81.1	10	1203		653492
4	2	71.2	10	1523		894783
5	3	89.2	10	1910	1152	139593
6	2	69.5	10	1149		381670
7	3	94	10	1755	1973	622378
8	2	71.8	10	1465		865458
9	1	65	10			110246
10	2	74.4	10	1489		351980
11	1	66.4	10			594506
12	2	76.5	10	1040		835513
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			10	Detection	
Num	ber of Burst	s in Trial:		9	(Yes/No)	
Chir	Chirp Center Frequency:			5510		Yes
Burst	Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	97.8	7	1882	1779	106978
2	1	55.9	7			430424
3	1	52.1	7			753353
4	3	99	7	1767	1057	1073995
5	2	77.3	7	1498		67384
6	1	63.1	7			390566
7	2	76	7	1717		712399
8	3	86.7	7	1195	1667	1034158
9	1	64.6	7			27685
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		11		Detection
Num	ber of Burst	s in Trial:	10			(Yes/No)
Chir	Chirp Center Frequency:			5494.977		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	58.6	8			315543
2	3	88	8	1770	1571	604519
3	2	78.2	8	1828		895230
4	3	97.6	8	1496	1028	1185129
5	2	69.3	8	1140		279539
6	3	97.5	8	1468	1623	569056
7	3	95.9	8	1951	1279	858767
8	2	73.5	8	1480		1150807
9	3	93.7	8	1025	1969	243392
10	2	78.2	8	1388		534084
11						
12						
13						
14						
15						
16						
17						
18					_	
19						
20						

Trial Number:				12	Detection	
Num	ber of Burst	s in Trial:		18		(Yes/No)
Chir	Chirp Center Frequency:			5498.577		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.1	17			458266
2	2	78.8	17	1011		618238
3	3	85.7	17	1196	1739	115058
4	3	91.1	17	1002	1952	275495
5	1	65.3	17			438138
6	1	53	17			599661
7	1	51	17			95681
8	1	59.8	17			257166
9	1	56.1	17			418283
10	3	91.6	17	1314	1801	576878
11	3	85.6	17	1415	1931	75439
12	2	67.8	17	1340		236781
13	1	63.8	17			398735
14	1	59.8	17			559395
15	1	65.8	17			55892
16	3	95.7	17	1865	1231	216175
17	2	72.9	17	1848		377480
18	1	66.6	17			539999
19						
20						

	Trial Numb	er:		13		Detection
Num	ber of Burst	s in Trial:		15	(Yes/No)	
Chir	Chirp Center Frequency:			5497.377		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	81.1	14	1691		43173
2	1	54.7	14			237072
3	2	71.7	14	1670		429725
4	3	85	14	1339	1900	621518
5	1	52.4	14			19432
6	1	55.8	14			213028
7	3	92.5	14	1427	1153	405290
8	3	92	14	1990	1317	597929
9	1	52.8	14			794345
10	2	73.6	14	1715		188943
11	2	69.9	14	1102		382243
12	2	72	14	1878		574958
13	3	98.2	14	1020	1958	767112
14	3	98.3	14	1277	1686	164814
15	2	71.3	14	1296		358432
16						
17						
18						
19						
20						

	Trial Number:			14		Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chir	p Center Fre	equency:	5499.777			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	96.2	20	1464	1142	412467
2	1	50.2	20			559149
3	3	97.8	20	1221	1168	105622
4	1	62	20			251304
5	1	64.8	20			396581
6	3	86.9	20	1208	1270	539601
7	3	95.9	20	1963	1750	87618
8	2	76.2	20	1318		232979
9	1	53.3	20			378329
10	2	69.8	20	1703		521958
11	3	95.2	20	1187	1557	69956
12	2	79	20	1968		214668
13	3	90.8	20	1822	1297	358915
14	2	74.2	20	1816		504640
15	2	68.3	20	1761		52265
16	2	81.8	20	1323		197219
17	2	73.6	20	1189		342218
18	2	74.6	20	1410		486611
19	2	79.3	20	1441		34446
20	3	92.5	20	1661	1771	178766

	Trial Number:		15			Detection
Num	ber of Burst	s in Trial:	17			(Yes/No)
Chir	Chirp Center Frequency:			5498.177		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	88.9	16	1239	1759	380606
2	1	56.5	16			553212
3	2	81.2	16	1330		19594
4	2	76.3	16	1862		190008
5	2	79.9	16	1368		360470
6	3	98.7	16	1510	1320	529951
7	2	73.4	16	1529		701560
8	1	50.2	16			169324
9	2	77.5	16	1067		339969
10	3	89.9	16	1344	1559	509095
11	3	84.2	16	1901	1918	677997
12	3	93.5	16	1656	1355	147725
13	3	87.3	16	1432	1731	317636
14	3	96.5	16	1511	1732	487504
15	2	67.6	16	1078		659989
16	1	59.6	16			127277
17	2	68	16	1156		297601
18						
19						
20						

	Trial Numb	er:		16	Detection	
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	Chirp Center Frequency:			5493.777		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	83.7	5	1908	1548	995497
2	1	58.1	5			1361600
3	2	79.8	5	1885		225782
4	3	85.2	5	1647	1080	588360
5	2	78.5	5	1887		951829
6	2	68.4	5	1269		1315202
7	1	65.1	5			181313
8	1	57.3	5			544812
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			17		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5496.177		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.8	11	1829		557698
2	1	51.7	11			782182
3	2	67.8	11	1402		83874
4	3	84.5	11	1036	1500	306513
5	3	91.9	11	1855	1519	529020
6	3	96.4	11	1988	1331	751885
7	3	97.4	11	1991	1337	56297
8	2	68.9	11	1858		279421
9	1	55.8	11			503662
10	2	82.5	11	1538		725515
11	3	89.7	11	1095	1710	28860
12	2	69.1	11	1029		252246
13	2	71.5	11	1785		475029
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		18		Detection
Num	ber of Burst	s in Trial:	16			(Yes/No)
Chir	Chirp Center Frequency:			5497.777		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	82.1	15	1760		566651
2	1	66.2	15			1143
3	1	63.5	15			182789
4	3	95.7	15	1083	1418	362933
5	3	98.8	15	1254	1088	543876
6	1	63.5	15			727356
7	3	85.7	15	1283	1651	159683
8	1	51.6	15			341898
9	3	91.8	15	1399	1640	521273
10	3	94.3	15	1108	1675	702317
11	1	56.5	15			137881
12	1	58.7	15			319662
13	1	63.7	15			501159
14	3	90	15	1438	1925	679274
15	1	66.5	15			115593
16	3	99.6	15	1632	1171	296127
17						
18						
19						
20						

	Trial Number:			19	Detection	
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5493.777		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.2	5			958469
2	1	60.3	5			1321531
3	3	88.2	5	1773.000	1804.000	186176
4	1	66.1	5			550007
5	2	68.9	5	1944.000		912150
6	1	53	5			1276596
7	3	96.9	5	1879.000	1258.000	141585
8	1	55.6	5			505262
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		20		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5496.177		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	65.7	11			534549
2	3	85.6	11	1321	1726	755351
3	3	93.6	11	1863	1370	59514
4	3	86.8	11	1998	1603	282206
5	2	74.6	11	1505		505905
6	2	81.5	11	1808		728563
7	1	64	11			32199
8	2	78	11	1916		255085
9	3	90.6	11	1299	1596	477956
10	3	96.6	11	1692	1133	700648
11	1	51.5	11			4666
12	3	92	11	1584	1457	227313
13	1	66.2	11			451522
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			21		Detection
Num	ber of Burst	s in Trial:	19			(Yes/No)
Chir	Chirp Center Frequency:			5520.623		No
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	89.6	19	1913	1976	458587
2	2	79.8	19	1367		612743
3	1	54.9	19			137244
4	2	79.4	19	1803		289280
5	1	55.7	19			442917
6	3	85.1	19	1606	1143	592930
7	1	57.4	19			118375
8	1	61.2	19			271325
9	2	75.8	19	1811		422480
10	2	78.2	19	1852		574802
11	1	56.3	19			99538
12	2	80.9	19	1220		251892
13	2	69.4	19	1687		404285
14	3	98.6	19	1518	1154	555798
15	2	72.1	19	1332		80537
16	1	51.5	19			233486
17	1	53	19			386496
18	1	52.6	19			539575
19	2	79.1	19	1949		61718
20						

	Trial Numb	er:		22		Detection (Yes/No)
Num	ber of Burst	s in Trial:		16		
Chir	Chirp Center Frequency:			5522.223		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	69.3	15	1877		254487
2	1	57.8	15			436785
3	2	79.9	15	2000		616628
4	1	63.1	15			51159
5	2	69.9	15	1380		232224
6	3	99	15	1994	1160	412665
7	2	77	15	1860		594490
8	1	60.2	15			28800
9	2	80.3	15	1798		209873
10	2	78.6	15	1522		391228
11	2	68.2	15	1608		571946
12	2	67.2	15	1114		6427
13	3	88.5	15	1446	1406	187164
14	2	74.6	15	1682		368451
15	2	83.3	15	1853		549946
16	2	67.7	15	1423		731000
17						
18						
19						
20						

	Trial Number:		23			Detection
Num	ber of Burst	s in Trial:		14		(Yes/No)
Chir	p Center Fre	equency:		5523.423		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	80.6	12	1325		188949
2	2	83.3	12	1202		396121
3	3	86.7	12	1451	1372	602317
4	1	63.1	12			811814
5	2	68	12	1807		163477
6	3	89.5	12	1134	1416	370010
7	3	94.4	12	1948	1058	577001
8	3	90	12	1047	1705	784127
9	1	57.4	12			138193
10	3	87.2	12	1074	1001	344709
11	1	55.9	12			553281
12	1	55.2	12			761200
13	2	82.9	12	1212		112482
14	3	92	12	1473	1922	318957
15						
16						
17						
18			_			
19						
20						

	Trial Numb	er:		24		Detection
Num	ber of Burst	s in Trial:		14		(Yes/No)
Chir	p Center Fre	equency:		5523.023		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.5	13	1555		526518
2	3	87.5	13	1504	1599	732507
3	3	93.9	13	1664	1391	86736
4	2	72.4	13	1614		294120
5	2	72.6	13	1106		501671
6	1	58.4	13			709310
7	1	59.6	13			61533
8	1	66.6	13			268913
9	3	85	13	1186	1796	475077
10	2	80.5	13	1727		682804
11	2	78.8	13	1452		35899
12	2	74.8	13	1935		242795
13	2	77.2	13	1197		450389
14	2	82.6	13	1082		657756
15						
16						
17						
18						
19						
20						

	Trial Number:		25			Detection
	ber of Burst			13		(Yes/No)
Chir	p Center Fre	equency:		5523.823		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.5	11			11192
2	1	61	11			234643
3	2	67.9	11	1502		457245
4	1	56.2	11			681769
5	3	86.1	11	1228	1031	902590
6	2	80.9	11	1445		206945
7	3	91.5	11	1455	1122	429305
8	2	68.2	11	1015		653478
9	1	66.3	11			877390
10	3	89.5	11	1543	1470	178971
11	1	61.1	11			403302
12	2	79.9	11	1214		625531
13	1	63.5	11			850373
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		26		Detection
Num	ber of Burst	s in Trial:	17			(Yes/No)
Chir	p Center Fre	equency:		5521.823		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	90	16	1185	1509	115777
2	1	55.7	16			286979
3	2	82.7	16	1904		456477
4	3	93	16	1765	1223	625877
5	2	71.7	16	1073		95108
6	2	77.4	16	1237		265667
7	3	88.3	16	1250	1017	435305
8	1	52.1	16			607978
9	2	80.7	16	1532		74051
10	2	73.3	16	1272		244577
11	1	66	16			415586
12	1	51.9	16			586282
13	2	74.8	16	1845		52957
14	1	58	16			223816
15	1	63.9	16			394907
16	3	98.3	16	1042	1007	563737
17	1	56.1	16			32086
18						
19						
20						

	Trial Number:		27			Detection
Num	ber of Burst	s in Trial:		20		(Yes/No)
Chir	p Center Fre	equency:		5520.223		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	84.4	20	1006	1288	171798
2	3	93.2	20	1704	1121	316209
3	1	62.2	20			463045
4	1	61.7	20			9381
5	2	82.4	20	1923		154002
6	3	96.5	20	1257	1352	298454
7	2	69.3	20	1714		443388
8	3	99.7	20	1753	1016	587670
9	2	69.1	20	1145		136359
10	1	52	20			281692
11	1	50.4	20			426935
12	1	58.2	20			571957
13	2	71.1	20	1539		118444
14	1	54.4	20			264113
15	1	61.3	20			408792
16	3	92.8	20	1255	1719	551905
17	3	95	20	1481	1342	100355
18	2	69.7	20	1499		245551
19	1	60.9	20			391316
20	1	52.2	20			536137

	Trial Numb	er:		28		Detection
Num	ber of Burst	s in Trial:		14		(Yes/No)
Chir	p Center Fre	equency:		5523.023		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	87.5	13	1209	1978	118213
2	1	57	13			326346
3	3	97.5	13	1615	1349	531858
4	3	88.9	13	1984	1005	738617
5	2	80.5	13	1010		92995
6	2	76.9	13	1764		300151
7	3	87.7	13	1987	1119	506096
8	1	51.9	13			716032
9	1	54.3	13			67531
10	1	61.3	13			275052
11	2	72.8	13	1886		481481
12	2	77.5	13	1071		689565
13	2	69.9	13	1503		41917
14	1	60.2	13			249630
15						
16						
17						
18						
19						
20						

	Trial Number:		29			Detection
Num	ber of Burst	s in Trial:		12		(Yes/No)
Chir	p Center Fre	equency:		5524.223		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55.1	10			533545
2	2	67.9	10	1100		774812
3	2	67.6	10	1790		19150
4	1	51.7	10			261321
5	1	57.5	10			503712
6	1	59.3	10			745934
7	1	63.4	10			988293
8	3	93.4	10	1746	1707	230686
9	1	52.6	10			473625
10	2	75.3	10	1786		714764
11	3	87.8	10	1281	1979	955073
12	3	94	10	1309	1176	201103
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		30		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	p Center Fre	equency:		5524.623		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	59.5	9			484104
2	2	68.8	9	1426		747546
3	1	54.6	9			1012254
4	1	59.2	9			187514
5	2	79.9	9	1597		451068
6	3	88.4	9	1823	1077	714344
7	1	53	9			980078
8	3	96.1	9	1068	1109	154584
9	2	68.7	9	1736		418486
10	2	77.4	9	1857		682304
11	3	95.8	9	1941	1893	944646
12	2	76.2	12	1770		563316
13	1	60.6	12			788278
14						
15						
16						
17						
18						
19						
20						

Trial #	Pulse Repetition Frequency	Pulse Repetition Frequency	Pulse Repetition Interval	Detection
π π	Number (1 to 23)	(Pulses Per Second)	(Microseconds)	(Yes / No)
1	1	1930.50	518	Yes
2	12	1355.01	738	Yes
3	15	1253.13	798	Yes
4	13	1319.26	758	Yes
5	8	1519.76	658	Yes
6	11	1392.76	718	Yes
7	21	1089.32	918	Yes
8	12	326.16	3066	Yes
9	4	1730.10	578	Yes
10	20	1113.59	898	Yes
11	2	1858.74	538	Yes
12	22	1066.10	938	Yes
13	5	1672.24	598	Yes
14	17	1193.32	838	Yes
15	7	1567.40	638	Yes
16		346.98	2882	Yes
17	7	394.01	2538	Yes
18		1897.53	527	Yes
19	7	447.23	2236	Yes
20		1285.35	778	Yes
21		1557.63	642	Yes
22		469.48	2130	Yes
23		1069.52	935	Yes
24		626.17	1597	Yes
25		373.69	2676	Yes
26		586.85	1704	Yes
27		689.18	1451	No
28		765.11	1307	Yes
29		432.90	2310	Yes
30		449.84	2223	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	23	1.40	198	No
2	25	2.20	224	Yes
3	23	1.10	176	Yes
4	26	2.90	182	Yes
5	26	3.10	229	Yes
6	24	1.80	202	Yes
7	23	1.20	228	Yes
8	27	3.50	194	Yes
9	25	2.30	157	Yes
10	24	1.60	167	Yes
11	24	1.80	199	Yes
12	28	4.20	230	Yes
13	27	3.40	152	Yes
14	29	5.00	217	No
15	27	3.80	186	Yes
16	23	1.10	206	Yes
17	25	2.60	180	Yes
18	27	3.70	165	Yes
19	23	1.00	188	Yes
20	25	2.70	227	Yes
21	29	4.60	219	Yes
22	27	3.60	203	Yes
23	26	2.90	184	Yes
24	26	3.10	178	Yes
25	25	2.60	221	Yes
26	28	4.00	153	Yes
27	29	4.80	193	Yes
28	26	3.20	210	Yes
29	25	2.30	162	Yes
30	24	2.00	181	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	6.40	465	Yes
2	16	7.20	383	Yes
3	16	6.10	271	Yes
4	17	7.90	440	Yes
5	17	8.10	341	Yes
6	16	6.80	318	Yes
7	16	6.20	334	Yes
8	17	8.50	494	Yes
9	17	7.30	245	Yes
10	16	6.60	215	Yes
11	16	6.80	282	Yes
12	18	9.20	485	Yes
13	17	8.40	258	Yes
14	18	10.00	437	No
15	18	8.80	320	Yes
16	16	6.10	200	Yes
17	17	7.60	220	No
18	17	8.70	401	Yes
19	16	6.00	399	Yes
20	17	7.70	205	Yes
21	18	9.60	470	Yes
22	17	8.60	491	Yes
23	17	7.90	297	Yes
24	17	8.10	202	Yes
25	17	7.60	391	Yes
26	18	9.00	396	Yes
27	18	9.80	397	Yes
28	17	8.20	288	Yes
29	16	7.30	219	Yes
30	16	7.00	261	Yes

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	12	11.90	465	Yes
2	13	13.70	383	Yes
3	12	11.30	271	Yes
4	14	15.30	440	Yes
5	14	15.80	341	Yes
6	13	12.80	318	Yes
7	12	11.50	334	Yes
8	15	16.60	494	Yes
9	13	14.00	245	Yes
10	12	12.30	215	No
11	13	12.80	282	Yes
12	15	18.10	485	Yes
13	14	16.30	258	Yes
14	16	19.80	437	Yes
15	15	17.30	320	Yes
16	12	11.20	200	Yes
17	13	14.50	220	Yes
18	15	17.00	401	Yes
19	12	11.10	399	Yes
20	14	14.80	205	Yes
21	16	19.00	470	Yes
22	15	16.90	491	Yes
23	14	15.20	297	Yes
24	14	15.60	202	Yes
25	13	14.50	391	Yes
26	15	17.70	396	Yes
27	16	19.60	397	Yes
28	14	15.80	288	Yes
29	13	13.90	219	Yes
30	13	13.40	261	Yes

	Trial Number:			1	Detection	
Num	ber of Burst	s in Trial:		9	(Yes/No)	
Chir	Chirp Center Frequency:			5530		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55	6			456091
2	1	64.9	6			778946
3	1	52	6			1101904
4	2	74.2	6	1019		93064
5	2	76.7	6	1180		415903
6	1	60	6			739340
7	1	53.1	6			1062002
8	2	80.8	6	1772		53279
9	2	66.8	6	1308		375962
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20				_		

	Trial Number:			2		Detection
Num	ber of Burst	s in Trial:	11			(Yes/No)
Chir	Chirp Center Frequency:			5530		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.3	9			572286
2	1	60.1	9			836083
3	3	89.6	9	1440	1575	11057
4	2	79.5	9	1369		274996
5	3	98.8	9	1099	1275	538369
6	3	84.7	9	1650	1769	801389
7	1	51.4	9			1068068
8	2	69.8	9	1983		242218
9	2	83.3	9	1950		506136
10	1	50.9	9			770863
11	2	71.4	9	1116		1034768
12						
13						
14						
15						
16						
17				•		
18						
19						
20						

	Trial Number:			3	Detection	
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	p Center Fre	equency:		5530		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	94.2	5	1478	1777	288532
2	2	82.9	5	1681		651974
3	2	73.5	5	1889		1014683
4	2	75.8	5	1295		1378001
5	2	69.7	5	1075		244188
6	3	86.9	5	1907	1463	606557
7	3	97.4	5	1072	1173	969693
8	2	76.9	5	1193		1333926
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		4		Detection
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5530		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.2	12			113987
2	1	63.2	12			321486
3	2	81.6	12	1624		528264
4	3	97.1	12	1125	1787	733969
5	1	62.5	12			88396
6	1	61.5	12			295881
7	3	92.6	12	1645	1343	501606
8	3	92.5	12	1899	1591	708477
9	1	56.1	12			62881
10	3	85.6	12	1837	1392	269320
11	1	61	12			477893
12	1	51.8	12			685309
13	3	95.8	12	1327	1249	37176
14	1	58.5	12			244764
15						
16						
17						
18						
19						
20						

	Trial Number:		5			Detection
Num	ber of Burst	s in Trial:		14	(Yes/No)	
Chir	Chirp Center Frequency:			5530		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.4	13	1733		451522
2	3	90.7	13	1570	1285	657471
3	3	87.6	13	1868	1643	11695
4	3	93.5	13	1371	1579	218584
5	3	94.5	13	1105	1147	425679
6	1	53.9	13			634053
7	3	98.2	13	1652	1311	839188
8	3	97.5	13	1351	1316	193137
9	2	83.2	13	1490		400517
10	3	99.6	13	1642	1680	606704
11	1	62.1	13			815936
12	1	51.5	13			168219
13	2	72.3	13	1628		375144
14	2	72.1	13	1065		582695
15						
16						
17						
18						
19						
20						

	Trial Number:		6			Detection
Num	ber of Burst	s in Trial:	10			(Yes/No)
Chir	Chirp Center Frequency:			5530		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (µsec)
1	3	91.4	8	1268	1362	1105275
2	2	76.2	8	1870		199366
3	1	54.4	8			490358
4	3	89.9	8	1256	1414	779365
5	1	62.6	8			1071413
6	2	76.3	8	1387		163769
7	1	64.6	8			454651
8	1	53.6	8			745006
9	2	75.7	8	1431		1034301
10	1	63.1	8			128079
11						
12						
13						
14						
15						
16	-					
17						
18						
19						
20	_					

	Trial Number:			7		Detection
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	Chirp Center Frequency:			5530		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						
19						
20						

	Trial Number:			8		Detection
Num	ber of Burst	s in Trial:		16		(Yes/No)
Chir	Chirp Center Frequency:			5530		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.6	14	1155		216520
2	3	85.6	14	1993	1103	396614
3	1	57.4	14			579687
4	2	82.8	14	1995		12889
5	3	88.3	14	1447	1358	193680
6	2	76.3	14	1892		374938
7	3	92.4	14	1841	1127	555060
8	3	93.4	14	1225	1449	736781
9	2	78.8	14	1508		171787
10	2	68.8	14	1329		353186
11	2	80.1	14	1041		534595
12	2	82.1	14	1583		715294
13	3	84.9	14	1169	1756	149063
14	1	60.9	14			331211
15	3	89.2	14	1793	1655	510715
16	2	70.5	14	1404		693078
17						
18						_
19						
20						_

	Trial Number:			9	Detection	
Num	ber of Burst	s in Trial:		12	(Yes/No)	
Chir	Chirp Center Frequency:			5530		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	51.1	10			169836
2	2	79.9	10	1817		411435
3	2	81.1	10	1203		653492
4	2	71.2	10	1523		894783
5	3	89.2	10	1910	1152	139593
6	2	69.5	10	1149		381670
7	3	94	10	1755	1973	622378
8	2	71.8	10	1465		865458
9	1	65	10			110246
10	2	74.4	10	1489		351980
11	1	66.4	10			594506
12	2	76.5	10	1040		835513
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:		10			Detection
Num	ber of Burst	s in Trial:		9	(Yes/No)	
Chir	Chirp Center Frequency:			5530		Yes
Burst	Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	97.8	7	1882	1779	106978
2	1	55.9	7			430424
3	1	52.1	7			753353
4	3	99	7	1767	1057	1073995
5	2	77.3	7	1498		67384
6	1	63.1	7			390566
7	2	76	7	1717		712399
8	3	86.7	7	1195	1667	1034158
9	1	64.6	7			27685
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			11		Detection
Num	ber of Burst	s in Trial:		10	(Yes/No)	
Chir	Chirp Center Frequency:			5495.1575		No
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	58.6	8			315543
2	3	88	8	1770	1571	604519
3	2	78.2	8	1828		895230
4	3	97.6	8	1496	1028	1185129
5	2	69.3	8	1140		279539
6	3	97.5	8	1468	1623	569056
7	3	95.9	8	1951	1279	858767
8	2	73.5	8	1480		1150807
9	3	93.7	8	1025	1969	243392
10	2	78.2	8	1388		534084
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			12	Detection	
Num	ber of Burst	s in Trial:		18		(Yes/No)
Chir	p Center Fre	equency:		5498.7575	Yes	
Burst	Number of Pulses	(Microseconds)	(IVIHZ)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.1	17			458266
2	2	78.8	17	1011		618238
3	3	85.7	17	1196	1739	115058
4	3	91.1	17	1002	1952	275495
5	1	65.3	17			438138
6	1	53	17			599661
7	1	51	17			95681
8	1	59.8	17			257166
9	1	56.1	17			418283
10	3	91.6	17	1314	1801	576878
11	3	85.6	17	1415	1931	75439
12	2	67.8	17	1340		236781
13	1	63.8	17			398735
14	1	59.8	17			559395
15	1	65.8	17			55892
16	3	95.7	17	1865	1231	216175
17	2	72.9	17	1848		377480
18	1	66.6	17			539999
19						
20					·	

	Trial Number:		13			Detection
Num	ber of Bursts	s in Trial:	15			(Yes/No)
Chir	Chirp Center Frequency:			5497.5575		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	81.1	14	1691		43173
2	1	54.7	14			237072
3	2	71.7	14	1670		429725
4	3	85	14	1339	1900	621518
5	1	52.4	14			19432
6	1	55.8	14			213028
7	3	92.5	14	1427	1153	405290
8	3	92	14	1990	1317	597929
9	1	52.8	14			794345
10	2	73.6	14	1715		188943
11	2	69.9	14	1102		382243
12	2	72	14	1878		574958
13	3	98.2	14	1020	1958	767112
14	3	98.3	14	1277	1686	164814
15	2	71.3	14	1296		358432
16						
17						
18						
19						
20						

	Trial Numb	er:		14		Detection
Num	ber of Burst	s in Trial:	20			(Yes/No)
Chi	Chirp Center Frequency:			5499.9575		Yes
Burst	Number of Pulses	Pulse Width (Microseconds	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	96.2	20	1464	1142	412467
2	1	50.2	20			559149
3	3	97.8	20	1221	1168	105622
4	1	62	20			251304
5	1	64.8	20			396581
6	3	86.9	20	1208	1270	539601
7	3	95.9	20	1963	1750	87618
8	2	76.2	20	1318		232979
9	1	53.3	20			378329
10	2	69.8	20	1703		521958
11	3	95.2	20	1187	1557	69956
12	2	79	20	1968		214668
13	3	90.8	20	1822	1297	358915
14	2	74.2	20	1816		504640
15	2	68.3	20	1761		52265
16	2	81.8	20	1323	_	197219
17	2	73.6	20	1189		342218
18	2	74.6	20	1410		486611
19	2	79.3	20	1441		34446
20	3	92.5	20	1661	1771	178766

	Trial Number:		15			Detection	
Num	ber of Burst	s in Trial:	17			(Yes/No)	
Chir	Chirp Center Frequency:			5498.3575		No	
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)	
1	3	88.9	16	1239	1759	380606	
2	1	56.5	16			553212	
3	2	81.2	16	1330		19594	
4	2	76.3	16	1862		190008	
5	2	79.9	16	1368		360470	
6	3	98.7	16	1510	1320	529951	
7	2	73.4	16	1529		701560	
8	1	50.2	16			169324	
9	2	77.5	16	1067		339969	
10	3	89.9	16	1344	1559	509095	
11	3	84.2	16	1901	1918	677997	
12	3	93.5	16	1656	1355	147725	
13	3	87.3	16	1432	1731	317636	
14	3	96.5	16	1511	1732	487504	
15	2	67.6	16	1078		659989	
16	1	59.6	16			127277	
17	2	68	16	1156		297601	
18							
19							
20							

	Trial Numb	er:		16		Detection
Num	ber of Burst	s in Trial:	8			(Yes/No)
Chir	Chirp Center Frequency:			5493.9575		No
Burst	Puises	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	83.7	5	1908	1548	995497
2	1	58.1	5			1361600
3	2	79.8	5	1885		225782
4	3	85.2	5	1647	1080	588360
5	2	78.5	5	1887		951829
6	2	68.4	5	1269		1315202
7	1	65.1	5			181313
8	1	57.3	5			544812
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Number:		17			Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5496.3575		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.8	11	1829		557698
2	1	51.7	11			782182
3	2	67.8	11	1402		83874
4	3	84.5	11	1036	1500	306513
5	3	91.9	11	1855	1519	529020
6	3	96.4	11	1988	1331	751885
7	3	97.4	11	1991	1337	56297
8	2	68.9	11	1858		279421
9	1	55.8	11			503662
10	2	82.5	11	1538		725515
11	3	89.7	11	1095	1710	28860
12	2	69.1	11	1029		252246
13	2	71.5	11	1785		475029
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		18		Detection
Num	ber of Burst	s in Trial:	16			(Yes/No)
Chir	Chirp Center Frequency:			5497.9575		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	82.1	15	1760		566651
2	1	66.2	15			1143
3	1	63.5	15			182789
4	3	95.7	15	1083	1418	362933
5	3	98.8	15	1254	1088	543876
6	1	63.5	15			727356
7	3	85.7	15	1283	1651	159683
8	1	51.6	15			341898
9	3	91.8	15	1399	1640	521273
10	3	94.3	15	1108	1675	702317
11	1	56.5	15			137881
12	1	58.7	15			319662
13	1	63.7	15			501159
14	3	90	15	1438	1925	679274
15	1	66.5	15			115593
16	3	99.6	15	1632	1171	296127
17						
18						
19						
20						

	Trial Number:			19	Detection	
Num	ber of Burst	s in Trial:		8	(Yes/No)	
Chir	p Center Fre	equency:		5493.9575		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.2	5			958469
2	1	60.3	5			1321531
3	3	88.2	5	1773.000	1804.000	186176
4	1	66.1	5			550007
5	2	68.9	5	1944.000		912150
6	1	53	5			1276596
7	3	96.9	5	1879.000	1258.000	141585
8	1	55.6	5			505262
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		20		Detection
Num	ber of Burst	s in Trial:	13			(Yes/No)
Chir	Chirp Center Frequency:			5496.3575		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	65.7	11			534549
2	3	85.6	11	1321	1726	755351
3	3	93.6	11	1863	1370	59514
4	3	86.8	11	1998	1603	282206
5	2	74.6	11	1505		505905
6	2	81.5	11	1808		728563
7	1	64	11			32199
8	2	78	11	1916		255085
9	3	90.6	11	1299	1596	477956
10	3	96.6	11	1692	1133	700648
11	1	51.5	11			4666
12	3	92	11	1584	1457	227313
13	1	66.2	11			451522
14						
15						
16						
17						
18						
19						
20						

	Trial Number:			21		Detection
Num	ber of Burst	s in Trial:	19			(Yes/No)
Chir	Chirp Center Frequency:			5560.4425		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	89.6	19	1913	1976	458587
2	2	79.8	19	1367		612743
3	1	54.9	19			137244
4	2	79.4	19	1803		289280
5	1	55.7	19			442917
6	3	85.1	19	1606	1143	592930
7	1	57.4	19			118375
8	1	61.2	19			271325
9	2	75.8	19	1811		422480
10	2	78.2	19	1852		574802
11	1	56.3	19			99538
12	2	80.9	19	1220		251892
13	2	69.4	19	1687		404285
14	3	98.6	19	1518	1154	555798
15	2	72.1	19	1332		80537
16	1	51.5	19			233486
17	1	53	19			386496
18	1	52.6	19			539575
19	2	79.1	19	1949		61718
20						

	Trial Numb	er:	22			Detection
Num	ber of Burst	s in Trial:	16			(Yes/No)
Chir	Chirp Center Frequency:			5562.0425		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	69.3	15	1877		254487
2	1	57.8	15			436785
3	2	79.9	15	2000		616628
4	1	63.1	15			51159
5	2	69.9	15	1380		232224
6	3	99	15	1994	1160	412665
7	2	77	15	1860		594490
8	1	60.2	15			28800
9	2	80.3	15	1798		209873
10	2	78.6	15	1522		391228
11	2	68.2	15	1608		571946
12	2	67.2	15	1114		6427
13	3	88.5	15	1446	1406	187164
14	2	74.6	15	1682		368451
15	2	83.3	15	1853		549946
16	2	67.7	15	1423		731000
17						
18						
19						
20						

	Trial Number:			23		Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	Chirp Center Frequency:			5563.2425		Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	80.6	12	1325		188949
2	2	83.3	12	1202		396121
3	3	86.7	12	1451	1372	602317
4	1	63.1	12			811814
5	2	68	12	1807		163477
6	3	89.5	12	1134	1416	370010
7	3	94.4	12	1948	1058	577001
8	3	90	12	1047	1705	784127
9	1	57.4	12			138193
10	3	87.2	12	1074	1001	344709
11	1	55.9	12			553281
12	1	55.2	12			761200
13	2	82.9	12	1212		112482
14	3	92	12	1473	1922	318957
15						
16						
17						
18						
19						
20						

	Trial Numb	er:		24		Detection
Num	ber of Burst	s in Trial:	14			(Yes/No)
Chir	Chirp Center Frequency:			5562.8425		Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	76.5	13	1555		526518
2	3	87.5	13	1504	1599	732507
3	3	93.9	13	1664	1391	86736
4	2	72.4	13	1614		294120
5	2	72.6	13	1106		501671
6	1	58.4	13			709310
7	1	59.6	13			61533
8	1	66.6	13			268913
9	3	85	13	1186	1796	475077
10	2	80.5	13	1727		682804
11	2	78.8	13	1452		35899
12	2	74.8	13	1935		242795
13	2	77.2	13	1197		450389
14	2	82.6	13	1082		657756
15						
16						
17						
18						
19						
20						

Trial Number:			25			Detection
Number of Bursts in Trial:			13			(Yes/No)
Chirp Center Frequency:			5563.6425			Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	57.5	11			11192
2	1	61	11			234643
3	2	67.9	11	1502		457245
4	1	56.2	11			681769
5	3	86.1	11	1228	1031	902590
6	2	80.9	11	1445		206945
7	3	91.5	11	1455	1122	429305
8	2	68.2	11	1015		653478
9	1	66.3	11			877390
10	3	89.5	11	1543	1470	178971
11	1	61.1	11			403302
12	2	79.9	11	1214		625531
13	1	63.5	11			850373
14						
15						
16						
17						
18						
19						
20						

Trial Number:			26			Detection
Number of Bursts in Trial:			17			(Yes/No)
Chirp Center Frequency:			5561.6425			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	90	16	1185	1509	115777
2	1	55.7	16			286979
3	2	82.7	16	1904		456477
4	3	93	16	1765	1223	625877
5	2	71.7	16	1073		95108
6	2	77.4	16	1237		265667
7	3	88.3	16	1250	1017	435305
8	1	52.1	16			607978
9	2	80.7	16	1532		74051
10	2	73.3	16	1272		244577
11	1	66	16			415586
12	1	51.9	16			586282
13	2	74.8	16	1845		52957
14	1	58	16			223816
15	1	63.9	16			394907
16	3	98.3	16	1042	1007	563737
17	1	56.1	16			32086
18						
19						
20						

Trial Number:			27			Detection
Number of Bursts in Trial:			20			(Yes/No)
Chirp Center Frequency:			5560.0425			Yes
Burst	Number of Pulses	(Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	84.4	20	1006	1288	171798
2	3	93.2	20	1704	1121	316209
3	1	62.2	20			463045
4	1	61.7	20			9381
5	2	82.4	20	1923		154002
6	3	96.5	20	1257	1352	298454
7	2	69.3	20	1714		443388
8	3	99.7	20	1753	1016	587670
9	2	69.1	20	1145		136359
10	1	52	20			281692
11	1	50.4	20			426935
12	1	58.2	20			571957
13	2	71.1	20	1539		118444
14	1	54.4	20			264113
15	1	61.3	20			408792
16	3	92.8	20	1255	1719	551905
17	3	95	20	1481	1342	100355
18	2	69.7	20	1499		245551
19	1	60.9	20			391316
20	1	52.2	20		•	536137

Trial Number:			28			Detection
Number of Bursts in Trial:			14			(Yes/No)
Chirp Center Frequency:			5562.8425			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	87.5	13	1209	1978	118213
2	1	57	13			326346
3	3	97.5	13	1615	1349	531858
4	3	88.9	13	1984	1005	738617
5	2	80.5	13	1010		92995
6	2	76.9	13	1764		300151
7	3	87.7	13	1987	1119	506096
8	1	51.9	13			716032
9	1	54.3	13			67531
10	1	61.3	13			275052
11	2	72.8	13	1886		481481
12	2	77.5	13	1071		689565
13	2	69.9	13	1503		41917
14	1	60.2	13			249630
15						
16						
17						
18						
19						
20						

Trial Number:			29			Detection
Number of Bursts in Trial:			12			(Yes/No)
Chirp Center Frequency:			5564.0425			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55.1	10			533545
2	2	67.9	10	1100		774812
3	2	67.6	10	1790		19150
4	1	51.7	10			261321
5	1	57.5	10			503712
6	1	59.3	10			745934
7	1	63.4	10			988293
8	3	93.4	10	1746	1707	230686
9	1	52.6	10			473625
10	2	75.3	10	1786		714764
11	3	87.8	10	1281	1979	955073
12	3	94	10	1309	1176	201103
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:			30			Detection
Number of Bursts in Trial:			13			(Yes/No)
Chirp Center Frequency:			5564.4425			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	59.5	9			484104
2	2	68.8	9	1426		747546
3	1	54.6	9			1012254
4	1	59.2	9			187514
5	2	79.9	9	1597		451068
6	3	88.4	9	1823	1077	714344
7	1	53	9			980078
8	3	96.1	9	1068	1109	154584
9	2	68.7	9	1736		418486
10	2	77.4	9	1857		682304
11	3	95.8	9	1941	1893	944646
12	2	76.2	12	1770		563316
13	1	60.6	12			788278
14						
15						
16						
17						
18						
19						
20						