30	5500.0	9	1.0	333	1	5598.0, 5567.0, 5556.0, 5478.0, 5718.0, 5685.0, 5321.0, 5636.0, 5275.0, 5361.0, 5601.0, 5705.0, 5343.0, 5461.0, 5530.0, 5437.0, 5445.0, 5341.0, 5545.0, 5324.0, 5271.0, 5373.0, 5299.0, 5435.0, 5261.0, 5580.0, 5620.0, 5533.0, 5344.0, 5438.0, 5439.0, 5699.0, 5370.0, 5619.0, 5638.0, 5272.0, 5493.0, 5603.0, 5695.0, 5512.0, 5652.0, 5495.0, 5444.0, 5506.0, 5507.0, 5449.0, 5454.0, 5374.0, 5596.0, 5658.0, 5713.0, 5594.0, 5431.0, 5516.0, 5327.0, 5624.0, 5395.0, 5346.0, 5419.0, 5577.0, 5391.0, 5259.0, 5494.0, 5591.0, 5600.0, 5339.0, 5340.0, 5635.0, 5396.0, 5393.0, 5640.0, 5434.0, 5568.0, 5564.0, 5631.0, 5462.0, 5704.0, 5590.0, 5551.0, 5399.0, 5576.0, 5536.0, 5586.0, 5588.0, 5442.0, 5496.0, 5463.0, 5422.0, 5264.0, 5711.0, 5475.0, 5348.0, 5315.0, 5570.0, 5544.0, 5504.0, 5712.0, 5521.0, 5471.0, 5612.0 (number of hits: 7)

P2MP Mode
Pine Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	86.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	68	1.0	778	1
2	89	1.0	598	1
3	92	1.0	578	1
4	102	1.0	518	1
5	86	1.0	618	1
6	72	1.0	738	1
7	74	1.0	718	1
8	83	1.0	638	0
9	70	1.0	758	1
10	76	1.0	698	1
11	65	1.0	818	1
12	67	1.0	798	1
13	95	1.0	558	1
14	59	1.0	898	1
15	58	1.0	918	1
16	49	1.0	1092	1
17	37	1.0	1458	1
18	63	1.0	843	1
19	44	1.0	1227	1
20	20	1.0	2662	1
21	33	1.0	1614	1
22	24	1.0	2214	1
23	20	1.0	2704	1
24	23	1.0	2304	1
25	35	1.0	1511	1
26	32	1.0	1678	1
27	30	1.0	1792	1
28	39	1.0	1360	1
29	18	1.0	3006	0
30	36	1.0	1503	0
Detection Percentage: 90 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	28	2.8	217	1
2	25	1.5	194	1
3	24	2.7	221	1
4	25	2.2	156	1
5	29	1.7	207	1
6	28	3.1	179	1
7	23	4.6	152	1
8	23	1.4	151	0
9	27	2.9	185	1
10	28	3.4	222	1
11	28	3.3	179	1
12	28	3.3	178	1
13	23	3.3	219	0
14	27	2.2	213	1
15	25	3.7	207	1
16	27	2.7	197	1
17	26	3.0	219	1
18	26	1.6	170	1
19	29	2.0	198	0
20	24	1.2	161	1
21	24	1.7	207	0
22	29	2.8	207	0
23	24	4.0	190	0
24	23	1.0	155	1
25	25	3.7	172	1
26	29	3.0	216	0
27	26	1.4	171	1
28	25	1.2	157	1
29	29	1.7	158	0
30	28	4.9	163	1
Detection Percentage: 73.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	8.2	355	1
2	16	6.1	487	1
3	16	7.1	344	1
4	18	9.8	288	1
5	18	8.9	230	1
6	17	7.9	432	1
7	17	8.2	207	0
8	17	7.5	443	1
9	17	8.1	439	1
10	16	6.2	223	1
11	18	8.9	208	1
12	18	9.6	463	1
13	17	8.2	441	1
14	16	7.2	323	1
15	18	9.5	297	1
16	17	8	412	1
17	18	10	324	0
18	17	7.4	271	1
19	17	7.9	349	1
20	16	7.3	409	1
21	18	8.7	373	1
22	16	7.2	254	1
23	18	9.9	274	1
24	17	7.9	278	1
25	17	7.5	317	1
26	16	6.1	260	1
27	18	8.8	211	1
28	18	9.7	272	1
29	17	7.4	264	1
30	18	9.2	284	1
Detection Percentage: 93.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	14	16	355	1
2	12	11.3	487	1
3	13	13.5	344	1
4	16	19.4	288	1
5	15	17.5	230	1
6	14	15.3	432	1
7	14	15.9	207	1
8	13	14.3	443	1
9	14	15.8	439	1
10	12	11.5	223	1
11	15	17.4	208	0
12	16	19	463	1
13	14	16	441	1
14	13	13.8	323	1
15	16	18.9	297	0
16	14	15.5	412	1
17	16	19.9	324	0
18	13	14.1	271	1
19	14	15.2	349	1
20	13	13.8	409	1
21	15	17.1	373	1
22	13	13.8	254	1
23	16	19.8	274	1
24	14	15.3	278	1
25	13	14.5	317	1
26	12	11.3	260	1
27	15	17.3	211	1
28	16	19.2	272	1
29	13	14.2	264	1
30	15	18.2	284	1
Detection Percentage: 90 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5498.0	1
12	5499.0	1
13	5497.0	1
14	5496.0	1
15	5499.0	1
16	5496.0	1
17	5500.0	1
18	5496.0	1
19	5496.0	1
20	5496.0	1
21	5522.0	1
22	5525.0	1
23	5520.0	1
24	5524.0	1
25	5524.0	1
26	5526.0	1
27	5522.0	1
28	5521.0	1
29	5524.0	1
30	5522.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	636185	77.8	13	2	1665	1477	-	1
1	32674	51.9	13	1	1074	-	-	
2	226294	63.8	13	1	1584	-	-	
3	417976	96.6	13	3	1682	1786	1843	
4	611152	85.9	13	3	1795	1215	1729	
5	8789	73.7	13	2	1198	1549	-	
6	201917	77.2	13	2	1837	1819	-	
7	395530	68.4	13	2	1587	1114	-	
8	588564	76.7	13	2	2000	1155	-	
9	783794	53.2	13	1	1147	-	-	
10	177933	85.7	13	3	1433	1695	1394	
11	370624	94.3	13	3	1670	1426	1935	
12	564893	77.6	13	2	1294	1671	-	
13	759583	65.7	13	1	1512	-	-	
14	154262	93.5	13	3	1444	1130	1468	

Bin5 Statistics 2

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	653020	75	5	2	1880	1527	-	1
1	1015643	99.4	5	3	1401	1262	1257	
2	1379398	67.4	5	2	1531	1403	-	
3	245489	73.6	5	2	1449	1041	-	
4	609113	65.9	5	1	1432	-	-	
5	970852	83.8	5	3	1356	1292	1419	
6	1335913	65.5	5	1	1543	-	-	
7	200406	98.6	5	3	1548	1796	1728	

Bin5 Statistics 3

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	409565	73.8	9	2	1806	1538	-	1
1	673692	69.5	9	2	1117	1649	-	
2	938562	51.9	9	1	1651	-	-	
3	113209	84.6	9	3	1976	1032	1271	
4	376726	95.4	9	3	1060	1903	1388	
5	641212	68	9	2	1368	1351	-	
6	903714	89.6	9	3	1338	1514	1573	
7	80863	81.9	9	2	1022	1689	-	
8	344067	88.3	9	3	1810	1330	1838	
9	609331	53.7	9	1	1597	-	-	
10	871542	91.3	9	3	1961	1106	1001	

Bin5 Statistics 4

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26541	68.1	19	2	1339	1355	-	1
1	171821	58.7	19	1	1251	-	-	
2	316229	75.3	19	2	1136	1640	-	
3	461864	56.4	19	1	1753	-	-	
4	8677	99.7	19	3	1196	1708	1159	
5	153995	57.7	19	1	1013	-	-	
6	299238	59.5	19	1	1072	-	-	
7	443177	80	19	2	1482	1369	-	
8	587671	82	19	2	1993	1197	-	
9	135674	82.8	19	2	1883	1005	-	
10	279928	88	19	3	1061	1928	1101	
11	424279	93.2	19	3	1207	1907	1223	
12	570132	70.4	19	2	1526	1360	-	
13	117439	95.3	19	3	1171	1955	1775	
14	262502	81.9	19	2	1690	1545	-	
15	406573	98.5	19	3	1975	1169	1062	
16	553328	65	19	1	1767	-	-	
17	99799	85.4	19	3	1011	1637	1425	
18	244095	91.6	19	3	1878	1445	1325	
19	390012	67.3	19	2	1091	1218	-	

Bin5 Statistics 5

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	629614	67.9	16	2	1320	1133	-	1
1	96856	62.3	16	1	1957	-	-	
2	267719	53.3	16	1	1592	-	-	
3	436784	90	16	3	1900	1153	1346	
4	608289	77.1	16	2	1166	1646	-	
5	75610	83.9	16	3	1278	1232	1459	
6	245638	89.1	16	3	1240	1384	1939	
7	416355	81.8	16	2	1833	1676	-	
8	588736	50.3	16	1	1075	-	-	
9	54571	87.1	16	3	1116	1996	1756	
10	225175	71.3	16	2	1225	1815	-	
11	394825	97.5	16	3	1884	1465	1132	
12	565361	90.6	16	3	1561	1040	1354	
13	33643	86.3	16	3	1596	1183	1792	
14	203957	97.6	16	3	1365	1073	1361	
15	373812	84.7	16	3	1021	1718	1854	
16	544060	99.7	16	3	1150	1244	1988	

Bin5 Statistics 6

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	15438	92.9	12	3	1085	1564	1407	1
1	222486	67.7	12	2	1744	1747	-	
2	430731	65.8	12	1	1092	-	-	
3	637784	56.3	12	1	1851	-	-	
4	845342	53.7	12	1	1727	-	-	
5	196720	83.5	12	3	1679	1930	1025	
6	404955	65.8	12	1	1519	-	-	
7	610711	85.9	12	3	1134	1034	1808	
8	818057	76.3	12	2	1606	1926	-	
9	171459	81.5	12	2	1891	1714	-	
10	377969	89.4	12	3	1310	1594	1827	
11	586875	63.4	12	1	1568	-	-	
12	792834	69.6	12	2	1307	1925	-	
13	146044	74.5	12	2	1264	1846	-	

Bin5 Statistics 7

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	329022	96.6	13	3	1182	1609	1581	1
1	521718	96.7	13	3	1829	1799	1154	
2	714222	86.5	13	3	1923	1396	1865	
3	112450	73.3	13	2	1908	1318	-	
4	306283	55.8	13	1	1688	-	-	
5	500239	55.4	13	1	1145	-	-	
6	690932	85.3	13	3	1336	1504	1820	
7	88645	79.4	13	2	1344	1893	-	
8	282508	65.7	13	1	1476	-	-	
9	475842	68.6	13	2	1008	1028	-	
10	667887	77.7	13	2	1972	1835	-	
11	64845	79.6	13	2	1882	1331	-	
12	257755	94.9	13	3	1830	1070	1349	
13	452335	61.4	13	1	1451	-	-	
14	643395	90.6	13	3	1233	1562	1887	

Bin5 Statistics 8

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	51446	52.6	10	1	1210	-	-	1
1	292696	84.1	10	3	1314	1725	1529	
2	533989	97.7	10	3	1139	1868	1805	
3	775564	97.3	10	3	1341	1446	1755	
4	21542	98.8	10	3	1544	1386	1302	
5	263385	72.2	10	2	1771	1184	-	
6	505581	67.6	10	2	1175	1027	-	
7	747058	75.7	10	2	1026	1871	-	
8	989976	60.9	10	1	1798	-	-	
9	234024	64.2	10	1	1138	-	-	
10	475207	78.8	10	2	1784	1604	-	
11	715825	87.5	10	3	1511	1712	1683	

Bin5 Statistics 9

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	823112	54.1	13	1	1415	-	-	1
1	174965	50.7	13	1	1221	-	-	
2	382216	52.3	13	1	1974	-	-	
3	587395	99.8	13	3	1558	1696	1949	
4	796897	68.4	13	2	1014	1099	-	
5	149042	80.8	13	2	1736	1505	-	
6	356750	62.5	13	1	1778	-	-	
7	563824	74.8	13	2	1149	1204	-	
8	772314	50.8	13	1	1049	-	-	
9	123796	54	13	1	1417	-	-	
10	331215	63	13	1	1730	-	-	
11	537402	91.8	13	3	1143	1270	1347	
12	744805	79.3	13	2	1274	1992	-	
13	98172	64.3	13	1	1937	-	-	

Bin5 Statistics 10

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	535615	63.4	6	1	1043	-	-	1
1	898668	52	6	1	1863	-	-	
2	1259235	97.2	6	3	1973	1605	1583	
3	127106	78.7	6	2	1466	1743	-	
4	490358	74.2	6	2	1280	1219	-	
5	852409	88.7	6	3	1293	1934	1273	
6	1217152	54.3	6	1	1991	-	-	
7	82296	95.4	6	3	1580	1555	1791	

Bin5 Statistics 11

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	209249	73.7	16	2	1208	1497	-	
1	378386	97.4	16	3	1942	1754	1613	
2	548411	91.7	16	3	1999	1702	1462	
3	17733	66.2	16	1	1393	-	-	
4	187952	70.8	16	2	1968	1821	-	
5	359277	52.3	16	1	1740	-	-	
6	528886	78.9	16	2	1308	1984	-	
7	700166	70.9	16	2	1050	1358	-	
8	167197	75.6	16	2	1437	1430	-	1
9	338262	59.1	16	1	1697	-	-	
10	508324	77	16	2	1397	1304	-	
11	678689	67.9	16	2	1803	1083	-	
12	146031	81.2	16	2	1720	1932	-	
13	316923	78.7	16	2	1247	1121	-	
14	488056	63.3	16	1	1634	-	-	
15	657326	68.9	16	2	1849	1423	-	
16	125509	59.3	16	1	1093	-	-	

Bin5 Statistics 12

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	263736	98.9	19	3	1381	1680	1488	1
1	416459	82.3	19	2	1716	1855	-	
2	567902	86.7	19	3	1211	1400	1919	
3	92979	89.7	19	3	1861	1068	1282	
4	245155	98.6	19	3	1507	1194	1461	
5	397609	71.1	19	2	1921	1789	-	
6	551431	55.9	19	1	1947	-	-	
7	74413	67.9	19	2	1350	1372	-	
8	226559	84.4	19	3	1203	1107	1443	
9	380056	58.8	19	1	1715	-	-	
10	533408	65.6	19	1	1017	-	-	
11	55547	78.5	19	2	1911	1704	-	
12	207876	82.3	19	2	1845	1686	-	
13	359771	90.1	19	3	1938	1071	1266	
14	511297	90.2	19	3	1989	1089	1950	
15	36803	83.1	19	2	1943	1406	-	
16	189652	58.8	19	1	1742	-	-	
17	341809	77	19	2	1187	1657	-	
18	495737	55	19	1	1012	-	-	

Bin5 Statistics 13

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	22911	58.1	13	1	1929	-	-	1
1	216473	52.1	13	1	1910	-	-	
2	410004	59.9	13	1	1971	-	-	
3	603671	60.2	13	1	1812	-	-	
4	794160	95.9	13	3	1399	1906	1608	
5	192251	79.9	13	2	1626	1859	-	
6	385590	78.5	13	2	1238	1917	-	
7	579862	53.8	13	1	1763	-	-	
8	773423	64.7	13	1	1800	-	-	
9	168898	61.4	13	1	1390	-	-	
10	361606	83.2	13	2	1692	1858	-	
11	553866	84.7	13	3	1533	1677	1638	
12	747241	88.7	13	3	1703	1528	1058	
13	144710	78.3	13	2	1258	1951	-	
14	337856	69.3	13	2	1731	1717	-	

Bin5 Statistics 14

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	664275	75.3	10	2	1994	1612	-	1
1	907886	56.3	10	1	1456	-	-	
2	151316	67.7	10	2	1617	1185	-	
3	393746	55.6	10	1	1337	-	-	
4	635093	75.2	10	2	1421	1267	-	
5	876993	76.3	10	2	1359	1305	-	
6	121278	85.7	10	3	1547	1362	1924	
7	362696	98.4	10	3	1873	1550	1249	
8	604342	86.4	10	3	1779	1439	1046	
9	846453	93.6	10	3	1059	1031	1452	
10	91871	63.3	10	1	1328	-	-	
11	333050	92.4	10	3	1412	1673	1322	

Bin5 Statistics 15

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	361323	93.3	18	3	1983	1912	1535	
1	515261	69.1	18	2	1102	1794	-	
2	39025	86.9	18	3	1044	1152	1148	
3	190900	84.9	18	3	1894	1948	1118	
4	343941	72.3	18	2	1094	1916	-	
5	497624	51.7	18	1	1447	-	-	
6	20319	58.3	18	1	1429	-	-	
7	172999	60.8	18	1	1979	-	-	
8	325872	57.1	18	1	1641	-	-	
9	475841	88.9	18	3	1886	1964	1489	1
10	1489	72	18	2	1909	1297	-	
11	153647	90.9	18	3	1261	1566	1370	
12	307096	59.8	18	1	1552	-	-	
13	458804	70	18	2	1759	1291	-	
14	610798	67.2	18	2	1625	1881	-	
15	134759	91.2	18	3	1382	1832	1661	
16	288306	56.5	18	1	1483	-	-	
17	441296	51.2	18	1	1237	-	-	
18	592780	74.1	18	2	1471	1245	-	

Bin5 Statistics 16

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	158286	76.9	12	2	1110	1140	-	
1	366024	50.2	12	1	1316	-	-	
2	573452	62.9	12	1	1520	-	-	
3	780619	64.7	12	1	1902	-	-	
4	132455	83.8	12	3	1410	1097	1621	
5	340207	65.4	12	1	1944	-	-	
6	548208	53.2	12	1	1024	-	-	
7	755333	51.7	12	1	1603	-	-	1
8	107117	78.7	12	2	1804	1168	-	
9	314500	72.4	12	2	1030	1343	-	
10	522447	53.8	12	1	1327	-	-	
11	728517	73.6	12	2	1524	1553	-	
12	81611	66.7	12	2	1722	1122	-	
13	288948	82.5	12	2	1404	1019	-	

Bin5 Statistics 17

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	345766	87.6	20	3	1565	1055	1840	1
1	490019	85.2	20	3	1735	1541	1408	
2	39073	84.8	20	3	1534	1889	1463	
3	183923	77.9	20	2	1749	1460	-	
4	328777	76.5	20	2	1518	1485	-	
5	474728	60.9	20	1	1540	-	-	
6	21394	83	20	2	1080	1010	-	
7	165992	80.4	20	2	1824	1752	-	
8	310973	67.5	20	2	1764	1181	-	
9	456884	62.1	20	1	1495	-	-	
10	3515	86.4	20	3	1773	1966	1263	
11	147928	84.3	20	3	1593	1188	1788	
12	293225	76.9	20	2	1226	1537	-	
13	436922	95.8	20	3	1192	1298	1844	
14	584015	55.2	20	1	1644	-	-	
15	130832	59	20	1	1402	-	-	
16	274684	94.5	20	3	1296	1700	1283	
17	418579	91.9	20	3	1970	1978	1165	
18	563464	85.2	20	3	1732	1551	1189	
19	112787	69.5	20	2	1038	1224	-	

Bin5 Statistics 18

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	429224	86.4	10	3	1259	1918	1455	1
1	670241	92.2	10	3	1598	1719	1895	
2	912880	80.4	10	2	1816	1899	-	
3	158603	54.3	10	1	1335	-	-	
4	400824	53.1	10	1	1303	-	-	
5	641915	69.4	10	2	1503	1546	-	
6	883823	69.1	10	2	1279	1639	-	
7	128373	100	10	3	1375	1438	1595	
8	370379	79.6	10	2	1239	1705	-	
9	611194	88.4	10	3	1374	1579	1623	
10	855665	53.3	10	1	1016	-	-	
11	98897	65.3	10	1	1709	-	-	

Bin5 Statistics 19

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	292143	55.3	12	1	1920	-	-	1
1	499633	58.3	12	1	1797	-	-	
2	706377	72.3	12	2	1610	1039	-	
3	58989	84.8	12	3	1131	1761	1721	
4	266161	82.5	12	2	1875	1431	-	
5	474469	63.3	12	1	1095	-	-	
6	680544	80	12	2	1119	1913	-	
7	33519	90.3	12	3	1660	1853	1123	
8	240319	91.1	12	3	1539	1783	1172	
9	447400	96.6	12	3	1525	1036	1385	
10	654516	82.7	12	2	1710	1990	-	
11	8083	50.7	12	1	1234	-	-	
12	215435	78.4	12	2	1047	1109	-	
13	421325	99.5	12	3	1299	1965	1869	

Bin5 Statistics 20

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	733725	88.6	10	3	1501	1067	1927	1
1	977882	57.4	10	1	1723	-	-	
2	221197	96.6	10	3	1086	1658	1324	
3	462915	69.7	10	2	1751	1945	-	
4	705071	77.9	10	2	1642	1317	-	
5	947923	62	10	1	1866	-	-	
6	191373	88.4	10	3	1997	1077	1366	
7	432561	97.3	10	3	1790	1896	1367	
8	674004	96.2	10	3	1391	1787	1672	
9	915842	95.4	10	3	1020	1892	1414	
10	162176	54.8	10	1	1084	-	-	
11	403553	80.4	10	2	1850	1436	-	

Bin5 Statistics 21

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	483470	74.7	15	2	1619	1611	-	1
1	666072	57.1	15	1	1560	-	-	
2	98810	91.9	15	3	1392	1475	1276	
3	279914	83.1	15	2	1809	1772	-	
4	462536	50.7	15	1	1003	-	-	
5	642324	79.2	15	2	1574	1600	-	
6	76831	58.7	15	1	1186	-	-	
7	257785	71	15	2	1521	1567	-	
8	438554	79	15	2	1777	1960	-	
9	620397	68.5	15	2	1284	1428	-	
10	54310	73.5	15	2	1904	1352	-	
11	235506	70.5	15	2	1864	1115	-	
12	417036	76.6	15	2	1045	1300	-	
13	597974	81.2	15	2	1160	1675	-	
14	32086	61.8	15	1	1277	-	-	
15	212751	94.9	15	3	1450	1206	1860	

Bin5 Statistics 22

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	526149	78.5	9	2	1653	1698	-	1
1	767135	89.8	9	3	1174	1962	1167	
2	12955	59.4	9	1	1982	-	-	
3	254612	79.6	9	2	1633	1890	-	
4	496588	76	9	2	1112	1811	-	
5	739728	53.6	9	1	1144	-	-	
6	980872	80.9	9	2	1220	1053	-	
7	225249	61.6	9	1	1724	-	-	
8	467279	53.4	9	1	1901	-	-	
9	709720	59.9	9	1	1379	-	-	
10	951847	60.4	9	1	1453	-	-	
11	194839	91.4	9	3	1768	1726	1227	

Bin5 Statistics 23

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	261858	77	20	2	1191	1363	-	1
1	407646	58.1	20	1	1248	-	-	
2	552319	62.1	20	1	1836	-	-	
3	99107	76.9	20	2	1334	1236	-	
4	243514	80	20	2	1914	1852	-	
5	389464	52	20	1	1701	-	-	
6	531093	88.6	20	3	1693	1995	1905	
7	81159	72.9	20	2	1922	1387	-	
8	225245	98.5	20	3	1839	1746	1389	
9	371906	57.9	20	1	1193	-	-	
10	514197	95.9	20	3	1659	1870	1066	
11	63561	53.5	20	1	1162	-	-	
12	207510	92	20	3	1745	1654	1458	
13	353638	57.3	20	1	1834	-	-	
14	497515	70.5	20	2	1684	1586	-	
15	45553	70	20	2	1042	1664	-	
16	189821	84	20	3	1765	1630	1176	
17	335330	76.1	20	2	1557	1057	-	
18	478825	93.2	20	3	1985	1018	1340	
19	27594	96.8	20	3	1760	1614	1817	

Bin5 Statistics 24

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247117	50.1	12	1	1841	-	-	1
1	453362	93.5	12	3	1590	1081	1413	
2	660875	68.8	12	2	1707	1577	-	
3	14140	56.3	12	1	1056	-	-	
4	220734	86	12	3	1953	1108	1987	
5	428367	75.2	12	2	1572	1536	-	
6	636681	54.4	12	1	1517	-	-	
7	843157	71.1	12	2	1329	1243	-	
8	195585	76.2	12	2	1940	1770	-	
9	403231	80.2	12	2	1098	1209	-	
10	610202	79.7	12	2	1588	1214	-	
11	815229	90.9	12	3	1615	1862	1601	
12	170267	68.7	12	2	1377	1441	-	
13	377306	67.4	12	2	1872	1313	-	

Bin5 Statistics 25

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	628071	94	11	3	1643	1748	1941	
1	853391	70.8	11	2	1177	1201	-	
2	156223	56.3	11	1	1006	-	-	
3	378734	96.7	11	3	1230	1163	1332	
4	601331	90.6	11	3	1217	1582	1498	
5	825462	74.5	11	2	1569	1281	-	
6	128265	92.6	11	3	1065	1669	1222	1
7	351161	89	11	3	1493	1135	1380	
8	573425	96.5	11	3	1607	1822	1602	
9	798431	70.5	11	2	1141	1178	-	
10	100737	94	11	3	1009	1629	1956	
11	324661	55.8	11	1	1290	-	-	
12	546278	87.7	11	3	1435	1963	1164	

Bin5 Statistics 26

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1253842	68.6	5	2	1306	1161	-	1
1	119486	83.1	5	2	1420	1315	-	
2	482958	60.9	5	1	1687	-	-	
3	845641	77.7	5	2	1776	1158	-	
4	1208428	77.4	5	2	1793	1510	-	
5	74748	66.8	5	2	1576	1323	-	
6	438300	63.7	5	1	1333	-	-	
7	800152	91.2	5	3	1409	1681	1275	

Bin5 Statistics 27

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	545865	83.6	16	3	1632	1195	1000	1
1	14067	89.4	16	3	1173	1627	1656	
2	184953	55.8	16	1	1532	-	-	
3	353759	90.9	16	3	1981	1554	1998	
4	526388	54.7	16	1	1825	-	-	
5	694806	97.7	16	3	1734	1202	1250	
6	163568	67.5	16	2	1571	1434	-	
7	333410	96.7	16	3	1589	1469	1268	
8	504006	68.3	16	2	1750	1954	-	
9	675297	78.3	16	2	1591	1082	-	
10	142890	55	16	1	1427	-	-	
11	312479	84.9	16	3	1129	1936	1199	
12	482953	74.6	16	2	1959	1856	-	
13	655022	63.3	16	1	1885	-	-	
14	121457	99.8	16	3	1035	1515	1120	
15	292606	63.6	16	1	1647	-	-	
16	461322	87.3	16	3	1931	1051	1831	

Bin5 Statistics 28

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	565136	85.6	19	3	1946	1078	1015	1
1	89970	68.6	19	2	1029	1780	-	
2	243121	54.2	19	1	1111	-	-	
3	396034	61.2	19	1	1104	-	-	
4	546225	97.1	19	3	1157	1969	1100	
5	70998	98.3	19	3	1142	1699	1622	
6	224093	62.4	19	1	1655	-	-	
7	376127	80.2	19	2	1126	1769	-	
8	527806	87.5	19	3	1216	1448	1179	
9	52247	85.8	19	3	1847	1348	1472	
10	204582	88.1	19	3	1023	1124	1631	
11	357941	65.3	19	1	1848	-	-	
12	510977	52.5	19	1	1470	-	-	
13	33698	52.3	19	1	1312	-	-	
14	186023	74.1	19	2	1915	1200	-	
15	339327	54.9	19	1	1479	-	-	
16	491053	76.2	19	2	1376	1502	-	
17	14858	60.4	19	1	1758	-	-	
18	167387	81.5	19	2	1491	1103	-	

Bin5 Statistics 29

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	507709	50.5	10	1	1857	-	-	1
1	750249	55.7	10	1	1246	-	-	
2	989003	85.8	10	3	1774	1002	1967	
3	235634	76.9	10	2	1125	1474	-	
4	477675	75.1	10	2	1254	1052	-	
5	718312	92.3	10	3	1180	1486	1492	
6	960895	78.1	10	2	1301	1757	-	
7	205370	92.2	10	3	1898	1252	1713	
8	446940	89	10	3	1260	1706	1411	
9	689225	70.9	10	2	1578	1620	-	
10	932305	63.1	10	1	1782	-	-	
11	176231	55.3	10	1	1522	-	-	

Bin5 Statistics 30

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	277485	83.4	17	3	1454	1205	1801	1
1	437880	97.3	17	3	1319	1826	1635	
2	598445	90.4	17	3	1079	1986	1674	
3	97088	91.8	17	3	1563	1151	1802	
4	257251	98.2	17	3	1876	1977	1766	
5	419893	59.5	17	1	1952	-	-	
6	580724	80	17	2	1253	1137	-	
7	77366	86.5	17	3	1054	1128	1828	
8	238032	91.1	17	3	1105	1599	1442	
9	398605	93.5	17	3	1867	1373	1087	
10	562025	60.7	17	1	1033	-	-	
11	57684	67.2	17	2	1288	1405	-	
12	219083	61.8	17	1	1585	-	-	
13	379234	79.4	17	2	1933	1667	-	
14	540896	81.4	17	2	1096	1464	-	
15	37916	65.7	17	1	1496	-	-	
16	198794	76	17	2	1733	1255	-	
17	359754	81	17	2	1326	1668	-	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510.0	9	1.0	333	1	5276.0, 5540.0, 5422.0, 5326.0, 5606.0, 5375.0, 5676.0, 5693.0, 5428.0, 5270.0, 5459.0, 5535.0, 5641.0, 5720.0, 5410.0, 5607.0, 5376.0, 5430.0, 5542.0, 5390.0, 5634.0, 5269.0, 5470.0, 5629.0, 5484.0, 5388.0, 5583.0, 5433.0, 5560.0, 5566.0, 5692.0, 5645.0, 5405.0, 5363.0, 5600.0, 5457.0, 5508.0, 5440.0, 5678.0, 5336.0, 5576.0, 5687.0, 5570.0, 5474.0, 5446.0, 5311.0, 5398.0, 5612.0, 5378.0, 5525.0, 5349.0, 5502.0, 5300.0, 5419.0, 5719.0, 5256.0, 5714.0, 5449.0, 5372.0, 5342.0, 5536.0, 5625.0, 5325.0, 5350.0, 5353.0, 5301.0, 5577.0, 5650.0, 5368.0, 5454.0, 5697.0, 5663.0, 5694.0, 5344.0, 5685.0, 5456.0, 5648.0, 5366.0, 5520.0, 5683.0, 5722.0, 5548.0, 5716.0, 5624.0, 5309.0, 5649.0, 5434.0, 5623.0, 5628.0, 5385.0, 5335.0, 5345.0, 5652.0, 5609.0, 5711.0, 5341.0, 5414.0, 5331.0, 5533.0, 5427.0 (number of hits: 4)
2	5510.0	9	1.0	333	1	5558.0, 5573.0, 5477.0, 5425.0, 5394.0, 5267.0, 5426.0, 5554.0, 5556.0, 5663.0, 5442.0, 5329.0, 5502.0, 5570.0, 5597.0, 5420.0, 5531.0, 5483.0, 5372.0, 5699.0, 5510.0, 5541.0, 5328.0, 5576.0, 5657.0, 5413.0, 5586.0, 5415.0, 5615.0, 5564.0, 5331.0, 5647.0, 5695.0, 5519.0, 5338.0, 5673.0, 5303.0, 5571.0, 5428.0, 5354.0, 5595.0, 5374.0, 5290.0, 5285.0, 5264.0, 5438.0, 5588.0, 5568.0, 5448.0, 5459.0, 5712.0, 5349.0, 5416.0, 5343.0, 5368.0, 5505.0, 5562.0, 5298.0, 5608.0, 5437.0, 5532.0, 5617.0, 5369.0, 5557.0, 5452.0, 5516.0, 5295.0, 5715.0, 5626.0, 5352.0, 5511.0, 5443.0, 5602.0, 5668.0, 5527.0, 5261.0, 5691.0, 5335.0, 5706.0, 5493.0, 5287.0, 5645.0, 5628.0, 5610.0, 5279.0, 5508.0, 5652.0, 5327.0, 5536.0, 5592.0, 5653.0, 5432.0, 5591.0, 5543.0, 5408.0, 5286.0, 5520.0, 5389.0, 5333.0, 5718.0 (number of hits: 10)
3	5510.0	9	1.0	333	1	5282.0, 5450.0, 5709.0, 5682.0, 5398.0, 5328.0, 5438.0, 5413.0, 5530.0, 5371.0, 5525.0, 5655.0, 5713.0, 5456.0, 5642.0, 5648.0, 5703.0, 5568.0, 5590.0, 5338.0, 5498.0, 5325.0, 5394.0, 5315.0, 5712.0, 5359.0, 5301.0, 5657.0, 5283.0, 5448.0, 5556.0, 5422.0, 5580.0, 5285.0, 5446.0, 5299.0, 5681.0, 5553.0, 5403.0, 5331.0, 5482.0, 5581.0, 5608.0, 5341.0, 5350.0, 5523.0, 5518.0, 5259.0, 5699.0, 5358.0, 5641.0, 5676.0, 5281.0, 5563.0, 5550.0, 5473.0, 5389.0, 5455.0, 5618.0, 5633.0, 5502.0, 5520.0, 5370.0, 5330.0, 5295.0, 5632.0, 5582.0, 5470.0, 5533.0, 5683.0, 5656.0, 5596.0, 5255.0, 5575.0, 5414.0, 5660.0, 5658.0, 5336.0, 5434.0, 5329.0, 5534.0, 5335.0, 5342.0, 5367.0, 5545.0, 5311.0, 5507.0, 5661.0, 5477.0, 5551.0, 5474.0, 5629.0, 5694.0, 5412.0, 5488.0, 5440.0, 5416.0, 5645.0, 5373.0, 5696.0 (number of hits: 7)
4	5510.0	9	1.0	333	1	5311.0, 5470.0, 5391.0, 5525.0, 5664.0, 5581.0, 5383.0, 5499.0, 5573.0, 5435.0, 5605.0, 5476.0, 5323.0, 5407.0, 5398.0, 5274.0, 5608.0, 5568.0, 5530.0, 5256.0, 5698.0, 5532.0, 5594.0, 5517.0, 5347.0, 5574.0, 5338.0, 5570.0, 5312.0, 5464.0, 5618.0, 5295.0, 5353.0, 5404.0, 5363.0, 5388.0, 5538.0, 5672.0, 5590.0, 5395.0, 5693.0, 5717.0, 5694.0, 5686.0, 5540.0, 5418.0, 5520.0, 5377.0, 5642.0, 5567.0, 5682.0, 5713.0, 5498.0, 5437.0, 5294.0, 5643.0, 5458.0, 5434.0, 5539.0, 5518.0, 5465.0, 5527.0, 5385.0, 5535.0, 5695.0, 5410.0, 5523.0, 5300.0, 5529.0, 5553.0,

						5702.0, 5442.0, 5697.0, 5325.0, 5691.0, 5255.0, 5430.0, 5348.0, 5504.0, 5631.0, 5603.0, 5304.0, 5432.0, 5367.0, 5592.0, 5496.0, 5550.0, 5505.0, 5417.0, 5616.0, 5429.0, 5551.0, 5554.0, 5315.0, 5352.0, 5355.0, 5521.0, 5384.0, 5296.0, 5452.0 (number of hits: 12)
5	5510.0	9	1.0	333	1	5619.0, 5549.0, 5643.0, 5593.0, 5310.0, 5675.0, 5576.0, 5266.0, 5259.0, 5437.0, 5697.0, 5390.0, 5276.0, 5711.0, 5610.0, 5552.0, 5718.0, 5425.0, 5444.0, 5521.0, 5378.0, 5392.0, 5702.0, 5295.0, 5696.0, 5258.0, 5720.0, 5690.0, 5545.0, 5703.0, 5716.0, 5322.0, 5304.0, 5433.0, 5713.0, 5536.0, 5306.0, 5642.0, 5622.0, 5369.0, 5268.0, 5307.0, 5394.0, 5722.0, 5614.0, 5416.0, 5372.0, 5442.0, 5652.0, 5252.0, 5723.0, 5311.0, 5540.0, 5591.0, 5356.0, 5659.0, 5285.0, 5491.0, 5575.0, 5403.0, 5459.0, 5621.0, 5332.0, 5349.0, 5319.0, 5449.0, 5448.0, 5604.0, 5443.0, 5260.0, 5255.0, 5463.0, 5321.0, 5503.0, 5353.0, 5635.0, 5420.0, 5409.0, 5513.0, 5288.0, 5293.0, 5599.0, 5431.0, 5684.0, 5721.0, 5313.0, 5438.0, 5282.0, 5417.0, 5615.0, 5435.0, 5481.0, 5263.0, 5524.0, 5547.0, 5278.0, 5275.0, 5482.0, 5456.0, 5287.0 (number of hits: 4)
6	5510.0	9	1.0	333	1	5548.0, 5405.0, 5540.0, 5332.0, 5463.0, 5454.0, 5704.0, 5473.0, 5307.0, 5574.0, 5435.0, 5605.0, 5639.0, 5641.0, 5404.0, 5557.0, 5702.0, 5552.0, 5622.0, 5250.0, 5707.0, 5267.0, 5642.0, 5695.0, 5575.0, 5450.0, 5719.0, 5355.0, 5285.0, 5279.0, 5519.0, 5370.0, 5716.0, 5347.0, 5544.0, 5599.0, 5521.0, 5395.0, 5398.0, 5549.0, 5603.0, 5700.0, 5263.0, 5261.0, 5356.0, 5554.0, 5589.0, 5667.0, 5362.0, 5531.0, 5596.0, 5291.0, 5344.0, 5656.0, 5718.0, 5415.0, 5255.0, 5493.0, 5311.0, 5411.0, 5691.0, 5459.0, 5681.0, 5510.0, 5482.0, 5283.0, 5423.0, 5492.0, 5480.0, 5701.0, 5673.0, 5277.0, 5506.0, 5276.0, 5314.0, 5689.0, 5614.0, 5387.0, 5674.0, 5619.0, 5371.0, 5481.0, 5658.0, 5389.0, 5458.0, 5582.0, 5424.0, 5374.0, 5446.0, 5609.0, 5517.0, 5678.0, 5476.0, 5659.0, 5313.0, 5465.0, 5486.0, 5601.0, 5457.0, 5273.0 (number of hits: 7)
7	5510.0	9	1.0	333	1	5543.0, 5651.0, 5566.0, 5364.0, 5361.0, 5264.0, 5303.0, 5348.0, 5485.0, 5704.0, 5299.0, 5588.0, 5591.0, 5374.0, 5320.0, 5523.0, 5565.0, 5695.0, 5268.0, 5527.0, 5272.0, 5378.0, 5643.0, 5269.0, 5694.0, 5679.0, 5571.0, 5308.0, 5560.0, 5317.0, 5431.0, 5525.0, 5450.0, 5459.0, 5279.0, 5276.0, 5716.0, 5504.0, 5345.0, 5708.0, 5291.0, 5464.0, 5484.0, 5664.0, 5271.0, 5306.0, 5278.0, 5503.0, 5311.0, 5265.0, 5382.0, 5576.0, 5407.0, 5600.0, 5700.0, 5296.0, 5274.0, 5390.0, 5466.0, 5443.0, 5547.0, 5283.0, 5444.0, 5534.0, 5516.0, 5263.0, 5354.0, 5314.0, 5439.0, 5610.0, 5436.0, 5331.0, 5259.0, 5446.0, 5601.0, 5557.0, 5420.0, 5696.0, 5541.0, 5552.0, 5472.0, 5647.0, 5707.0, 5352.0, 5616.0, 5637.0, 5313.0, 5371.0, 5392.0, 5297.0, 5672.0, 5641.0, 5422.0, 5286.0, 5703.0, 5491.0, 5605.0, 5375.0, 5528.0, 5548.0 (number of hits: 6)
8	5510.0	9	1.0	333	1	5379.0, 5289.0, 5435.0, 5680.0, 5328.0, 5288.0, 5687.0, 5481.0, 5624.0, 5716.0, 5670.0, 5268.0, 5528.0, 5509.0, 5351.0, 5644.0, 5566.0, 5368.0, 5515.0, 5700.0, 5308.0, 5538.0, 5584.0, 5677.0, 5719.0, 5372.0, 5503.0, 5487.0, 5465.0, 5681.0, 5678.0, 5360.0, 5300.0, 5529.0, 5594.0, 5572.0, 5342.0, 5522.0, 5701.0, 5655.0, 5259.0, 5482.0, 5570.0, 5460.0, 5253.0, 5449.0, 5549.0, 5390.0, 5301.0, 5715.0, 5641.0, 5609.0, 5698.0, 5671.0, 5447.0, 5270.0, 5505.0, 5692.0, 5620.0, 5309.0, 5363.0, 5568.0, 5603.0, 5311.0, 5296.0, 5257.0, 5521.0, 5383.0, 5391.0, 5546.0, 5478.0, 5461.0, 5652.0, 5712.0, 5600.0, 5394.0, 5665.0,

						5659.0, 5591.0, 5717.0, 5345.0, 5611.0, 5579.0, 5599.0, 5431.0, 5495.0, 5480.0, 5341.0, 5494.0, 5722.0, 5523.0, 5590.0, 5401.0, 5470.0, 5493.0, 5271.0, 5675.0, 5580.0, 5347.0, 5694.0 (number of hits: 10)
9	5510.0	9	1.0	333	1	5270.0, 5554.0, 5465.0, 5321.0, 5363.0, 5306.0, 5300.0, 5491.0, 5686.0, 5559.0, 5514.0, 5336.0, 5440.0, 5680.0, 5289.0, 5464.0, 5537.0, 5322.0, 5477.0, 5483.0, 5403.0, 5593.0, 5509.0, 5668.0, 5445.0, 5629.0, 5597.0, 5674.0, 5323.0, 5510.0, 5257.0, 5290.0, 5696.0, 5703.0, 5547.0, 5588.0, 5702.0, 5357.0, 5352.0, 5340.0, 5682.0, 5396.0, 5661.0, 5565.0, 5538.0, 5704.0, 5362.0, 5600.0, 5587.0, 5614.0, 5539.0, 5567.0, 5517.0, 5313.0, 5618.0, 5272.0, 5630.0, 5432.0, 5471.0, 5536.0, 5343.0, 5385.0, 5399.0, 5723.0, 5281.0, 5361.0, 5622.0, 5665.0, 5327.0, 5502.0, 5530.0, 5475.0, 5375.0, 5447.0, 5635.0, 5360.0, 5444.0, 5711.0, 5503.0, 5384.0, 5490.0, 5714.0, 5441.0, 5338.0, 5390.0, 5311.0, 5417.0, 5553.0, 5616.0, 5344.0, 5451.0, 5457.0, 5558.0, 5250.0, 5716.0, 5676.0, 5660.0, 5599.0, 5401.0, 5335.0 (number of hits: 6)
10	5510.0	9	1.0	333	1	5411.0, 5671.0, 5513.0, 5545.0, 5546.0, 5600.0, 5285.0, 5333.0, 5425.0, 5381.0, 5403.0, 5664.0, 5556.0, 5301.0, 5262.0, 5394.0, 5699.0, 5455.0, 5550.0, 5312.0, 5659.0, 5627.0, 5309.0, 5321.0, 5687.0, 5591.0, 5724.0, 5684.0, 5475.0, 5491.0, 5644.0, 5574.0, 5547.0, 5418.0, 5407.0, 5390.0, 5325.0, 5422.0, 5467.0, 5565.0, 5624.0, 5334.0, 5715.0, 5342.0, 5401.0, 5564.0, 5498.0, 5271.0, 5560.0, 5490.0, 5435.0, 5559.0, 5688.0, 5357.0, 5499.0, 5257.0, 5371.0, 5630.0, 5288.0, 5553.0, 5267.0, 5603.0, 5474.0, 5578.0, 5256.0, 5629.0, 5346.0, 5361.0, 5669.0, 5677.0, 5520.0, 5439.0, 5674.0, 5273.0, 5577.0, 5331.0, 5362.0, 5465.0, 5471.0, 5272.0, 5445.0, 5611.0, 5720.0, 5344.0, 5631.0, 5609.0, 5641.0, 5718.0, 5470.0, 5408.0, 5380.0, 5387.0, 5711.0, 5558.0, 5525.0, 5682.0, 5651.0, 5350.0, 5597.0, 5424.0 (number of hits: 5)
11	5510.0	9	1.0	333	1	5326.0, 5460.0, 5697.0, 5602.0, 5311.0, 5568.0, 5675.0, 5660.0, 5692.0, 5524.0, 5518.0, 5454.0, 5522.0, 5312.0, 5552.0, 5576.0, 5418.0, 5549.0, 5391.0, 5331.0, 5426.0, 5251.0, 5272.0, 5644.0, 5646.0, 5601.0, 5716.0, 5493.0, 5671.0, 5719.0, 5337.0, 5469.0, 5543.0, 5663.0, 5275.0, 5362.0, 5497.0, 5673.0, 5595.0, 5389.0, 5415.0, 5555.0, 5409.0, 5438.0, 5392.0, 5502.0, 5329.0, 5592.0, 5471.0, 5670.0, 5590.0, 5306.0, 5405.0, 5281.0, 5354.0, 5274.0, 5676.0, 5271.0, 5420.0, 5564.0, 5294.0, 5596.0, 5334.0, 5301.0, 5373.0, 5483.0, 5308.0, 5679.0, 5710.0, 5529.0, 5437.0, 5657.0, 5574.0, 5628.0, 5256.0, 5661.0, 5702.0, 5442.0, 5486.0, 5293.0, 5540.0, 5708.0, 5384.0, 5706.0, 5495.0, 5403.0, 5254.0, 5627.0, 5610.0, 5400.0, 5296.0, 5566.0, 5374.0, 5498.0, 5604.0, 5597.0, 5379.0, 5449.0, 5412.0, 5402.0 (number of hits: 8)
12	5510.0	9	1.0	333	1	5600.0, 5593.0, 5569.0, 5601.0, 5671.0, 5324.0, 5394.0, 5259.0, 5295.0, 5620.0, 5667.0, 5527.0, 5598.0, 5499.0, 5540.0, 5386.0, 5590.0, 5378.0, 5428.0, 5673.0, 5460.0, 5523.0, 5401.0, 5629.0, 5317.0, 5595.0, 5670.0, 5602.0, 5525.0, 5496.0, 5502.0, 5551.0, 5368.0, 5467.0, 5653.0, 5436.0, 5302.0, 5263.0, 5668.0, 5573.0, 5405.0, 5597.0, 5444.0, 5382.0, 5559.0, 5656.0, 5686.0, 5297.0, 5586.0, 5373.0, 5320.0, 5286.0, 5515.0, 5304.0, 5717.0, 5498.0, 5413.0, 5583.0, 5455.0, 5690.0, 5591.0, 5307.0, 5663.0, 5684.0, 5337.0, 5652.0, 5251.0, 5355.0, 5333.0, 5704.0, 5698.0, 5424.0, 5614.0, 5322.0, 5475.0, 5358.0, 5708.0, 5383.0, 5381.0, 5661.0, 5641.0, 5514.0, 5255.0, 5341.0,

						5445.0, 5718.0, 5342.0, 5434.0, 5253.0, 5256.0, 5664.0, 5501.0, 5695.0, 5555.0, 5375.0, 5482.0, 5604.0, 5346.0, 5605.0, 5417.0 (number of hits: 10)
13	5510.0	9	1.0	333	1	5408.0, 5275.0, 5405.0, 5583.0, 5517.0, 5280.0, 5584.0, 5388.0, 5643.0, 5355.0, 5282.0, 5590.0, 5304.0, 5618.0, 5717.0, 5336.0, 5367.0, 5613.0, 5315.0, 5402.0, 5580.0, 5295.0, 5588.0, 5503.0, 5325.0, 5418.0, 5389.0, 5559.0, 5326.0, 5463.0, 5560.0, 5398.0, 5553.0, 5400.0, 5705.0, 5592.0, 5261.0, 5557.0, 5386.0, 5624.0, 5341.0, 5720.0, 5314.0, 5310.0, 5431.0, 5675.0, 5274.0, 5479.0, 5593.0, 5387.0, 5423.0, 5692.0, 5679.0, 5352.0, 5298.0, 5525.0, 5528.0, 5471.0, 5672.0, 5312.0, 5281.0, 5337.0, 5608.0, 5649.0, 5715.0, 5278.0, 5364.0, 5509.0, 5586.0, 5687.0, 5320.0, 5449.0, 5646.0, 5414.0, 5536.0, 5333.0, 5376.0, 5294.0, 5403.0, 5496.0, 5262.0, 5617.0, 5609.0, 5521.0, 5486.0, 5452.0, 5433.0, 5342.0, 5659.0, 5614.0, 5507.0, 5369.0, 5273.0, 5551.0, 5345.0, 5541.0, 5415.0, 5299.0, 5636.0, 5711.0 (number of hits: 7)
14	5510.0	9	1.0	333	1	5715.0, 5594.0, 5537.0, 5528.0, 5389.0, 5381.0, 5498.0, 5339.0, 5546.0, 5640.0, 5451.0, 5669.0, 5632.0, 5478.0, 5611.0, 5460.0, 5262.0, 5664.0, 5628.0, 5717.0, 5282.0, 5709.0, 5433.0, 5489.0, 5293.0, 5625.0, 5319.0, 5436.0, 5394.0, 5540.0, 5482.0, 5557.0, 5518.0, 5586.0, 5530.0, 5287.0, 5601.0, 5702.0, 5415.0, 5660.0, 5317.0, 5643.0, 5397.0, 5562.0, 5626.0, 5541.0, 5645.0, 5718.0, 5329.0, 5390.0, 5487.0, 5617.0, 5598.0, 5325.0, 5519.0, 5404.0, 5351.0, 5328.0, 5635.0, 5520.0, 5345.0, 5253.0, 5330.0, 5465.0, 5272.0, 5338.0, 5683.0, 5344.0, 5524.0, 5700.0, 5619.0, 5695.0, 5403.0, 5449.0, 5462.0, 5599.0, 5685.0, 5568.0, 5308.0, 5366.0, 5446.0, 5503.0, 5479.0, 5711.0, 5457.0, 5285.0, 5425.0, 5710.0, 5580.0, 5522.0, 5486.0, 5340.0, 5261.0, 5269.0, 5623.0, 5630.0, 5514.0, 5320.0, 5316.0, 5658.0 (number of hits: 8)
15	5510.0	9	1.0	333	1	5612.0, 5372.0, 5583.0, 5670.0, 5676.0, 5536.0, 5486.0, 5630.0, 5666.0, 5652.0, 5306.0, 5436.0, 5558.0, 5331.0, 5638.0, 5665.0, 5697.0, 5451.0, 5673.0, 5406.0, 5411.0, 5519.0, 5307.0, 5698.0, 5409.0, 5370.0, 5701.0, 5501.0, 5488.0, 5429.0, 5564.0, 5490.0, 5466.0, 5376.0, 5445.0, 5566.0, 5471.0, 5565.0, 5716.0, 5353.0, 5545.0, 5534.0, 5323.0, 5330.0, 5347.0, 5379.0, 5602.0, 5342.0, 5438.0, 5606.0, 5294.0, 5681.0, 5532.0, 5430.0, 5671.0, 5496.0, 5654.0, 5581.0, 5539.0, 5344.0, 5354.0, 5495.0, 5688.0, 5444.0, 5270.0, 5426.0, 5529.0, 5575.0, 5708.0, 5687.0, 5434.0, 5467.0, 5284.0, 5651.0, 5462.0, 5285.0, 5431.0, 5337.0, 5291.0, 5586.0, 5633.0, 5720.0, 5498.0, 5625.0, 5299.0, 5461.0, 5506.0, 5433.0, 5713.0, 5491.0, 5613.0, 5476.0, 5500.0, 5274.0, 5705.0, 5267.0, 5256.0, 5472.0, 5258.0, 5279.0 (number of hits: 7)
16	5510.0	9	1.0	333	1	5575.0, 5432.0, 5608.0, 5426.0, 5520.0, 5415.0, 5615.0, 5593.0, 5281.0, 5483.0, 5431.0, 5261.0, 5600.0, 5323.0, 5493.0, 5594.0, 5494.0, 5696.0, 5346.0, 5512.0, 5603.0, 5374.0, 5264.0, 5541.0, 5418.0, 5328.0, 5527.0, 5717.0, 5449.0, 5351.0, 5412.0, 5378.0, 5703.0, 5376.0, 5595.0, 5525.0, 5501.0, 5640.0, 5475.0, 5467.0, 5299.0, 5424.0, 5463.0, 5434.0, 5543.0, 5509.0, 5482.0, 5343.0, 5500.0, 5533.0, 5472.0, 5390.0, 5705.0, 5400.0, 5348.0, 5381.0, 5680.0, 5601.0, 5428.0, 5349.0, 5410.0, 5289.0, 5303.0, 5645.0, 5684.0, 5540.0, 5639.0, 5358.0, 5693.0, 5516.0, 5700.0, 5658.0, 5502.0, 5654.0, 5318.0, 5556.0, 5316.0, 5553.0, 5498.0, 5278.0, 5641.0, 5273.0, 5377.0, 5508.0, 5484.0, 5568.0, 5648.0, 5313.0, 5268.0, 5319.0, 5443.0,

						5656.0, 5293.0, 5659.0, 5623.0, 5561.0, 5563.0, 5550.0, 5678.0, 5311.0 (number of hits: 13)
17	5510.0	9	1.0	333	1	5489.0, 5330.0, 5471.0, 5479.0, 5694.0, 5552.0, 5311.0, 5445.0, 5528.0, 5502.0, 5590.0, 5300.0, 5379.0, 5452.0, 5439.0, 5403.0, 5507.0, 5467.0, 5456.0, 5432.0, 5474.0, 5290.0, 5588.0, 5606.0, 5481.0, 5587.0, 5412.0, 5658.0, 5646.0, 5369.0, 5679.0, 5435.0, 5565.0, 5668.0, 5287.0, 5323.0, 5619.0, 5700.0, 5667.0, 5693.0, 5598.0, 5390.0, 5273.0, 5501.0, 5497.0, 5621.0, 5461.0, 5428.0, 5592.0, 5283.0, 5511.0, 5384.0, 5355.0, 5537.0, 5683.0, 5460.0, 5513.0, 5391.0, 5644.0, 5407.0, 5420.0, 5707.0, 5708.0, 5691.0, 5310.0, 5692.0, 5535.0, 5696.0, 5339.0, 5585.0, 5446.0, 5599.0, 5550.0, 5265.0, 5561.0, 5395.0, 5579.0, 5263.0, 5643.0, 5363.0, 5280.0, 5343.0, 5515.0, 5410.0, 5626.0, 5631.0, 5623.0, 5414.0, 5681.0, 5325.0, 5684.0, 5627.0, 5615.0, 5634.0, 5616.0, 5715.0, 5620.0, 5720.0, 5342.0, 5370.0 (number of hits: 7)
18	5510.0	9	1.0	333	1	5418.0, 5428.0, 5570.0, 5291.0, 5487.0, 5531.0, 5643.0, 5252.0, 5367.0, 5627.0, 5386.0, 5516.0, 5677.0, 5349.0, 5712.0, 5555.0, 5436.0, 5411.0, 5254.0, 5288.0, 5366.0, 5563.0, 5433.0, 5388.0, 5326.0, 5282.0, 5253.0, 5410.0, 5615.0, 5546.0, 5495.0, 5267.0, 5694.0, 5622.0, 5265.0, 5589.0, 5605.0, 5257.0, 5630.0, 5669.0, 5385.0, 5260.0, 5356.0, 5514.0, 5350.0, 5568.0, 5606.0, 5552.0, 5523.0, 5464.0, 5340.0, 5545.0, 5263.0, 5432.0, 5645.0, 5585.0, 5535.0, 5680.0, 5701.0, 5496.0, 5332.0, 5345.0, 5584.0, 5619.0, 5302.0, 5361.0, 5446.0, 5360.0, 5285.0, 5565.0, 5258.0, 5525.0, 5305.0, 5398.0, 5369.0, 5529.0, 5640.0, 5482.0, 5583.0, 5564.0, 5471.0, 5634.0, 5357.0, 5502.0, 5648.0, 5664.0, 5292.0, 5681.0, 5299.0, 5400.0, 5321.0, 5635.0, 5334.0, 5673.0, 5616.0, 5521.0, 5711.0, 5381.0, 5569.0, 5294.0 (number of hits: 8)
19	5510.0	9	1.0	333	1	5268.0, 5520.0, 5322.0, 5440.0, 5637.0, 5331.0, 5640.0, 5453.0, 5546.0, 5662.0, 5576.0, 5314.0, 5621.0, 5438.0, 5697.0, 5477.0, 5443.0, 5361.0, 5450.0, 5715.0, 5413.0, 5340.0, 5610.0, 5372.0, 5485.0, 5395.0, 5480.0, 5335.0, 5571.0, 5634.0, 5449.0, 5446.0, 5594.0, 5436.0, 5718.0, 5281.0, 5494.0, 5713.0, 5460.0, 5423.0, 5396.0, 5597.0, 5653.0, 5560.0, 5269.0, 5327.0, 5306.0, 5704.0, 5426.0, 5685.0, 5682.0, 5367.0, 5698.0, 5508.0, 5263.0, 5385.0, 5465.0, 5411.0, 5464.0, 5405.0, 5529.0, 5284.0, 5282.0, 5578.0, 5409.0, 5403.0, 5492.0, 5567.0, 5498.0, 5606.0, 5489.0, 5628.0, 5688.0, 5706.0, 5512.0, 5338.0, 5412.0, 5627.0, 5289.0, 5635.0, 5556.0, 5391.0, 5389.0, 5365.0, 5470.0, 5721.0, 5639.0, 5304.0, 5297.0, 5675.0, 5323.0, 5649.0, 5549.0, 5406.0, 5657.0, 5642.0, 5451.0, 5471.0, 5525.0, 5616.0 (number of hits: 7)
20	5510.0	9	1.0	333	1	5284.0, 5568.0, 5564.0, 5363.0, 5611.0, 5711.0, 5420.0, 5386.0, 5470.0, 5535.0, 5382.0, 5694.0, 5548.0, 5442.0, 5265.0, 5301.0, 5573.0, 5613.0, 5268.0, 5365.0, 5521.0, 5643.0, 5687.0, 5395.0, 5658.0, 5393.0, 5715.0, 5594.0, 5571.0, 5460.0, 5292.0, 5346.0, 5343.0, 5541.0, 5532.0, 5400.0, 5500.0, 5657.0, 5465.0, 5355.0, 5675.0, 5678.0, 5647.0, 5270.0, 5633.0, 5649.0, 5362.0, 5667.0, 5259.0, 5701.0, 5628.0, 5517.0, 5664.0, 5551.0, 5663.0, 5632.0, 5409.0, 5494.0, 5636.0, 5473.0, 5401.0, 5671.0, 5273.0, 5604.0, 5710.0, 5546.0, 5677.0, 5661.0, 5528.0, 5262.0, 5637.0, 5318.0, 5702.0, 5425.0, 5333.0, 5448.0, 5327.0, 5352.0, 5287.0, 5256.0, 5431.0, 5722.0, 5524.0, 5640.0, 5329.0, 5723.0, 5597.0, 5700.0, 5648.0, 5695.0, 5429.0, 5394.0, 5576.0, 5627.0, 5339.0, 5450.0, 5330.0, 5293.0,

						5557.0, 5482.0 (number of hits: 5)
21	5510.0	9	1.0	333	1	5652.0, 5549.0, 5457.0, 5259.0, 5519.0, 5582.0, 5632.0, 5435.0, 5474.0, 5321.0, 5593.0, 5409.0, 5473.0, 5606.0, 5722.0, 5596.0, 5396.0, 5695.0, 5492.0, 5691.0, 5677.0, 5268.0, 5510.0, 5462.0, 5685.0, 5467.0, 5402.0, 5569.0, 5383.0, 5483.0, 5327.0, 5538.0, 5511.0, 5523.0, 5282.0, 5482.0, 5373.0, 5288.0, 5365.0, 5285.0, 5488.0, 5717.0, 5555.0, 5452.0, 5617.0, 5666.0, 5465.0, 5250.0, 5291.0, 5411.0, 5710.0, 5349.0, 5567.0, 5362.0, 5481.0, 5655.0, 5700.0, 5307.0, 5532.0, 5612.0, 5333.0, 5610.0, 5278.0, 5476.0, 5584.0, 5705.0, 5659.0, 5319.0, 5601.0, 5657.0, 5306.0, 5573.0, 5318.0, 5431.0, 5522.0, 5550.0, 5363.0, 5357.0, 5410.0, 5316.0, 5521.0, 5404.0, 5338.0, 5600.0, 5330.0, 5450.0, 5271.0, 5525.0, 5581.0, 5718.0, 5585.0, 5252.0, 5424.0, 5673.0, 5339.0, 5317.0, 5529.0, 5682.0, 5556.0, 5640.0 (number of hits: 8)
22	5510.0	9	1.0	333	1	5620.0, 5453.0, 5332.0, 5604.0, 5257.0, 5515.0, 5655.0, 5514.0, 5408.0, 5396.0, 5510.0, 5467.0, 5417.0, 5513.0, 5486.0, 5672.0, 5413.0, 5293.0, 5290.0, 5634.0, 5422.0, 5663.0, 5530.0, 5324.0, 5298.0, 5497.0, 5316.0, 5377.0, 5602.0, 5648.0, 5652.0, 5598.0, 5501.0, 5542.0, 5398.0, 5716.0, 5395.0, 5389.0, 5284.0, 5311.0, 5260.0, 5359.0, 5272.0, 5609.0, 5633.0, 5384.0, 5431.0, 5538.0, 5409.0, 5421.0, 5286.0, 5446.0, 5471.0, 5569.0, 5540.0, 5528.0, 5269.0, 5375.0, 5315.0, 5626.0, 5706.0, 5283.0, 5586.0, 5405.0, 5686.0, 5256.0, 5610.0, 5254.0, 5255.0, 5520.0, 5681.0, 5464.0, 5462.0, 5407.0, 5594.0, 5645.0, 5640.0, 5267.0, 5447.0, 5393.0, 5307.0, 5326.0, 5475.0, 5556.0, 5364.0, 5394.0, 5527.0, 5694.0, 5433.0, 5541.0, 5526.0, 5544.0, 5481.0, 5504.0, 5312.0, 5371.0, 5430.0, 5630.0, 5420.0, 5505.0 (number of hits: 11)
23	5510.0	9	1.0	333	1	5503.0, 5703.0, 5384.0, 5381.0, 5447.0, 5330.0, 5534.0, 5601.0, 5398.0, 5260.0, 5587.0, 5364.0, 5378.0, 5386.0, 5627.0, 5638.0, 5563.0, 5606.0, 5528.0, 5321.0, 5489.0, 5301.0, 5460.0, 5722.0, 5463.0, 5640.0, 5613.0, 5494.0, 5349.0, 5479.0, 5312.0, 5348.0, 5332.0, 5626.0, 5688.0, 5276.0, 5469.0, 5677.0, 5413.0, 5284.0, 5723.0, 5281.0, 5632.0, 5423.0, 5450.0, 5580.0, 5492.0, 5719.0, 5468.0, 5598.0, 5562.0, 5608.0, 5286.0, 5402.0, 5379.0, 5262.0, 5506.0, 5303.0, 5692.0, 5363.0, 5456.0, 5691.0, 5602.0, 5698.0, 5319.0, 5524.0, 5351.0, 5342.0, 5581.0, 5693.0, 5680.0, 5577.0, 5514.0, 5704.0, 5590.0, 5549.0, 5523.0, 5473.0, 5380.0, 5407.0, 5400.0, 5280.0, 5458.0, 5385.0, 5618.0, 5340.0, 5696.0, 5659.0, 5329.0, 5553.0, 5461.0, 5586.0, 5554.0, 5334.0, 5565.0, 5411.0, 5669.0, 5470.0, 5279.0, 5326.0 (number of hits: 7)
24	5510.0	9	1.0	333	1	5630.0, 5345.0, 5429.0, 5450.0, 5435.0, 5523.0, 5340.0, 5722.0, 5553.0, 5599.0, 5304.0, 5614.0, 5468.0, 5440.0, 5570.0, 5598.0, 5534.0, 5706.0, 5644.0, 5657.0, 5689.0, 5498.0, 5544.0, 5419.0, 5619.0, 5557.0, 5335.0, 5309.0, 5574.0, 5314.0, 5571.0, 5713.0, 5489.0, 5321.0, 5251.0, 5617.0, 5457.0, 5315.0, 5451.0, 5355.0, 5470.0, 5594.0, 5632.0, 5408.0, 5318.0, 5458.0, 5443.0, 5322.0, 5707.0, 5272.0, 5354.0, 5330.0, 5625.0, 5396.0, 5339.0, 5336.0, 5250.0, 5669.0, 5566.0, 5453.0, 5325.0, 5486.0, 5295.0, 5629.0, 5409.0, 5387.0, 5395.0, 5348.0, 5521.0, 5469.0, 5720.0, 5704.0, 5476.0, 5460.0, 5646.0, 5462.0, 5709.0, 5257.0, 5448.0, 5695.0, 5494.0, 5392.0, 5673.0, 5384.0, 5415.0, 5481.0, 5347.0, 5313.0, 5666.0, 5606.0, 5640.0, 5463.0, 5442.0, 5679.0, 5370.0, 5350.0, 5388.0, 5371.0, 5715.0, 5503.0 (number of hits: 5)

25	5510.0	9	1.0	333	1	5673.0, 5489.0, 5714.0, 5581.0, 5405.0, 5415.0, 5621.0, 5542.0, 5294.0, 5444.0, 5470.0, 5509.0, 5519.0, 5357.0, 5693.0, 5259.0, 5539.0, 5568.0, 5287.0, 5686.0, 5412.0, 5574.0, 5692.0, 5299.0, 5604.0, 5354.0, 5305.0, 5274.0, 5392.0, 5611.0, 5252.0, 5538.0, 5641.0, 5481.0, 5466.0, 5402.0, 5290.0, 5484.0, 5332.0, 5653.0, 5657.0, 5344.0, 5398.0, 5391.0, 5541.0, 5551.0, 5353.0, 5528.0, 5676.0, 5488.0, 5718.0, 5562.0, 5276.0, 5569.0, 5665.0, 5278.0, 5561.0, 5445.0, 5663.0, 5292.0, 5435.0, 5633.0, 5498.0, 5669.0, 5723.0, 5283.0, 5658.0, 5380.0, 5424.0, 5262.0, 5364.0, 5643.0, 5396.0, 5310.0, 5328.0, 5623.0, 5289.0, 5474.0, 5647.0, 5675.0, 5700.0, 5467.0, 5607.0, 5441.0, 5486.0, 5337.0, 5356.0, 5300.0, 5639.0, 5432.0, 5281.0, 5378.0, 5690.0, 5368.0, 5560.0, 5365.0, 5410.0, 5314.0, 5423.0, 5348.0 (number of hits: 3)
26	5510.0	9	1.0	333	1	5562.0, 5559.0, 5414.0, 5720.0, 5307.0, 5393.0, 5270.0, 5321.0, 5314.0, 5345.0, 5355.0, 5433.0, 5520.0, 5602.0, 5389.0, 5273.0, 5518.0, 5543.0, 5427.0, 5409.0, 5379.0, 5413.0, 5560.0, 5422.0, 5507.0, 5390.0, 5288.0, 5490.0, 5523.0, 5279.0, 5451.0, 5264.0, 5582.0, 5624.0, 5680.0, 5491.0, 5452.0, 5671.0, 5489.0, 5300.0, 5301.0, 5512.0, 5482.0, 5510.0, 5553.0, 5639.0, 5551.0, 5259.0, 5536.0, 5714.0, 5617.0, 5306.0, 5544.0, 5418.0, 5403.0, 5295.0, 5461.0, 5449.0, 5549.0, 5256.0, 5641.0, 5511.0, 5286.0, 5281.0, 5666.0, 5677.0, 5654.0, 5664.0, 5509.0, 5539.0, 5653.0, 5540.0, 5577.0, 5627.0, 5357.0, 5629.0, 5424.0, 5554.0, 5339.0, 5283.0, 5640.0, 5458.0, 5528.0, 5674.0, 5685.0, 5396.0, 5568.0, 5566.0, 5456.0, 5367.0, 5441.0, 5650.0, 5506.0, 5278.0, 5700.0, 5521.0, 5516.0, 5274.0, 5542.0, 5362.0 (number of hits: 11)
27	5510.0	9	1.0	333	1	5603.0, 5464.0, 5698.0, 5693.0, 5538.0, 5566.0, 5422.0, 5331.0, 5576.0, 5642.0, 5393.0, 5633.0, 5608.0, 5617.0, 5471.0, 5586.0, 5672.0, 5343.0, 5333.0, 5401.0, 5640.0, 5569.0, 5411.0, 5582.0, 5629.0, 5692.0, 5437.0, 5616.0, 5323.0, 5285.0, 5307.0, 5417.0, 5600.0, 5316.0, 5358.0, 5371.0, 5426.0, 5505.0, 5408.0, 5322.0, 5354.0, 5712.0, 5520.0, 5347.0, 5376.0, 5349.0, 5721.0, 5509.0, 5455.0, 5604.0, 5688.0, 5308.0, 5631.0, 5546.0, 5480.0, 5589.0, 5459.0, 5612.0, 5636.0, 5436.0, 5364.0, 5398.0, 5544.0, 5504.0, 5336.0, 5387.0, 5655.0, 5447.0, 5313.0, 5524.0, 5463.0, 5499.0, 5558.0, 5658.0, 5478.0, 5514.0, 5303.0, 5286.0, 5522.0, 5438.0, 5709.0, 5389.0, 5340.0, 5610.0, 5532.0, 5420.0, 5410.0, 5691.0, 5382.0, 5618.0, 5581.0, 5395.0, 5267.0, 5711.0, 5486.0, 5299.0, 5291.0, 5560.0, 5298.0, 5318.0 (number of hits: 8)
28	5510.0	9	1.0	333	1	5315.0, 5289.0, 5392.0, 5512.0, 5361.0, 5511.0, 5698.0, 5328.0, 5484.0, 5656.0, 5487.0, 5368.0, 5482.0, 5672.0, 5606.0, 5678.0, 5360.0, 5702.0, 5505.0, 5277.0, 5370.0, 5479.0, 5577.0, 5255.0, 5415.0, 5259.0, 5629.0, 5346.0, 5468.0, 5423.0, 5310.0, 5705.0, 5563.0, 5622.0, 5639.0, 5662.0, 5617.0, 5613.0, 5544.0, 5713.0, 5553.0, 5326.0, 5475.0, 5336.0, 5493.0, 5562.0, 5510.0, 5609.0, 5316.0, 5570.0, 5534.0, 5434.0, 5689.0, 5515.0, 5568.0, 5391.0, 5709.0, 5575.0, 5634.0, 5287.0, 5581.0, 5548.0, 5674.0, 5643.0, 5647.0, 5449.0, 5421.0, 5646.0, 5466.0, 5612.0, 5253.0, 5501.0, 5519.0, 5560.0, 5597.0, 5354.0, 5718.0, 5701.0, 5644.0, 5555.0, 5547.0, 5633.0, 5284.0, 5465.0, 5542.0, 5539.0, 5359.0, 5462.0, 5461.0, 5436.0, 5509.0, 5584.0, 5679.0, 5541.0, 5661.0, 5269.0, 5290.0, 5673.0, 5667.0, 5490.0 (number of hits: 9)
29	5510.0	9	1.0	333	1	5654.0, 5636.0, 5333.0, 5685.0, 5294.0, 5332.0, 5625.0,

						5547.0, 5292.0, 5274.0, 5376.0, 5281.0, 5353.0, 5462.0, 5473.0, 5501.0, 5264.0, 5684.0, 5562.0, 5633.0, 5612.0, 5683.0, 5420.0, 5278.0, 5446.0, 5268.0, 5392.0, 5480.0, 5711.0, 5254.0, 5572.0, 5330.0, 5620.0, 5444.0, 5697.0, 5502.0, 5416.0, 5545.0, 5307.0, 5506.0, 5657.0, 5269.0, 5285.0, 5419.0, 5663.0, 5316.0, 5323.0, 5387.0, 5644.0, 5520.0, 5589.0, 5600.0, 5414.0, 5505.0, 5512.0, 5434.0, 5516.0, 5266.0, 5518.0, 5537.0, 5676.0, 5673.0, 5546.0, 5525.0, 5696.0, 5383.0, 5603.0, 5710.0, 5719.0, 5634.0, 5662.0, 5671.0, 5655.0, 5661.0, 5559.0, 5539.0, 5468.0, 5531.0, 5317.0, 5560.0, 5359.0, 5308.0, 5712.0, 5660.0, 5467.0, 5591.0, 5686.0, 5578.0, 5356.0, 5378.0, 5703.0, 5588.0, 5465.0, 5351.0, 5424.0, 5352.0, 5569.0, 5509.0, 5338.0, 5313.0 (number of hits: 10)
30	5510.0	9	1.0	333	1	5295.0, 5276.0, 5286.0, 5695.0, 5347.0, 5485.0, 5389.0, 5269.0, 5252.0, 5504.0, 5702.0, 5299.0, 5429.0, 5420.0, 5589.0, 5705.0, 5441.0, 5423.0, 5595.0, 5470.0, 5254.0, 5462.0, 5650.0, 5681.0, 5565.0, 5724.0, 5379.0, 5682.0, 5323.0, 5635.0, 5639.0, 5483.0, 5477.0, 5509.0, 5401.0, 5570.0, 5666.0, 5664.0, 5300.0, 5398.0, 5576.0, 5686.0, 5451.0, 5367.0, 5711.0, 5692.0, 5287.0, 5575.0, 5403.0, 5542.0, 5700.0, 5593.0, 5341.0, 5559.0, 5585.0, 5355.0, 5492.0, 5272.0, 5677.0, 5603.0, 5584.0, 5474.0, 5435.0, 5260.0, 5418.0, 5561.0, 5660.0, 5638.0, 5331.0, 5523.0, 5424.0, 5612.0, 5623.0, 5697.0, 5359.0, 5628.0, 5375.0, 5683.0, 5283.0, 5444.0, 5685.0, 5678.0, 5607.0, 5264.0, 5368.0, 5568.0, 5637.0, 5280.0, 5413.0, 5546.0, 5537.0, 5306.0, 5421.0, 5495.0, 5671.0, 5532.0, 5419.0, 5713.0, 5719.0, 5263.0 (number of hits: 5)

P2MP Mode
Pine Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	80 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	81.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	95	1.0	558	1
2	86	1.0	618	0
3	67	1.0	798	1
4	62	1.0	858	1
5	81	1.0	658	1
6	61	1.0	878	1
7	78	1.0	678	1
8	59	1.0	898	1
9	99	1.0	538	0
10	76	1.0	698	1
11	72	1.0	738	1
12	89	1.0	598	1
13	57	1.0	938	1
14	65	1.0	818	1
15	68	1.0	778	1
1	100	1.0	530	1
2	31	1.0	1706	1
3	21	1.0	2548	1
4	23	1.0	2364	1
5	18	1.0	2944	1
6	22	1.0	2465	1
7	37	1.0	1459	0
8	54	1.0	986	1
9	18	1.0	2938	1
10	75	1.0	708	1
11	65	1.0	817	1
12	20	1.0	2649	1
13	21	1.0	2586	1
14	23	1.0	2316	1
15	20	1.0	2754	1
Detection Percentage: 90 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	26	4.2	209	1
2	28	2.4	175	1
3	24	3.2	216	1
4	29	4.3	176	1
5	23	4.4	172	1
6	29	2.6	201	1
7	26	4.2	223	1
8	26	4.9	160	0
9	29	4.7	186	1
10	27	3.1	205	1
11	29	1.5	214	1
12	25	4.7	203	1
13	29	4.5	191	1
14	28	2.2	175	1
15	23	2.8	170	1
16	28	4.0	164	0
17	27	4.2	160	1
18	23	1.9	182	0
19	28	3.4	169	0
20	29	1.7	176	1
21	27	3.2	182	1
22	28	1.4	227	1
23	28	3.6	221	1
24	25	4.5	191	1
25	23	1.6	163	0
26	28	4.9	176	0
27	29	2.4	226	1
28	24	3.5	215	1
29	24	1.0	197	1
30	24	4.2	196	1
Detection Percentage: 80 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	6.9	226	1
2	16	6.1	408	0
3	17	6.2	459	0
4	16	8.6	214	0
5	18	8.4	475	0
6	17	6.2	245	1
7	18	8.5	287	1
8	17	7.0	402	1
9	18	7.0	412	1
10	17	6.7	277	1
11	17	9.1	416	1
12	17	9.1	379	1
13	17	9.9	266	1
14	18	9.4	246	1
15	17	7.7	237	1
16	17	6.2	289	1
17	17	9.1	223	1
18	16	7.2	401	1
19	16	7.9	263	1
20	18	9.2	479	0
21	16	10.0	225	0
22	16	6.1	487	1
23	17	10.0	236	1
24	16	10.0	438	1
25	17	6.0	397	1
26	17	7.8	478	1
27	17	7.7	287	1
28	16	9.9	373	1
29	16	9.9	248	1
30	18	6.7	399	1
Detection Percentage: 80 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	11.9	273	1
2	13	19.6	459	1
3	14	13.7	347	1
4	16	15.2	485	1
5	16	18.5	335	1
6	13	14.5	479	1
7	16	15.1	441	1
8	15	11.8	306	1
9	14	12.3	428	1
10	15	13.0	206	1
11	14	18.7	258	1
12	14	19.7	390	1
13	12	12.4	435	0
14	12	19.8	243	0
15	13	20.0	343	0
16	13	11.9	421	0
17	13	12.2	406	0
18	13	11.2	218	1
19	15	14.5	358	0
20	14	19.4	485	1
21	13	17.6	266	1
22	14	11.1	344	0
23	15	16.2	315	1
24	16	11.1	471	1
25	15	15.2	404	1
26	13	17.2	437	1
27	16	15.0	387	1
28	14	13.6	412	1
29	16	11.3	354	1
30	12	13.9	259	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5498.0	1
12	5500.0	1
13	5497.0	1
14	5496.0	1
15	5499.0	1
16	5497.0	1
17	5500.0	1
18	5496.0	1
19	5497.0	1
20	5496.0	1
21	5562.0	1
22	5564.0	1
23	5560.0	1
24	5563.0	1
25	5564.0	1
26	5566.0	1
27	5562.0	1
28	5560.0	1
29	5564.0	1
30	5561.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	636185	77.8	13	2	1665	1477	-	1
1	32674	51.9	13	1	1074	-	-	
2	226294	63.8	13	1	1584	-	-	
3	417976	96.6	13	3	1682	1786	1843	
4	611152	85.9	13	3	1795	1215	1729	
5	8789	73.7	13	2	1198	1549	-	
6	201917	77.2	13	2	1837	1819	-	
7	395530	68.4	13	2	1587	1114	-	
8	588564	76.7	13	2	2000	1155	-	
9	783794	53.2	13	1	1147	-	-	
10	177933	85.7	13	3	1433	1695	1394	
11	370624	94.3	13	3	1670	1426	1935	
12	564893	77.6	13	2	1294	1671	-	
13	759583	65.7	13	1	1512	-	-	
14	154262	93.5	13	3	1444	1130	1468	

Bin5 Statistics 2

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	653020	75	5	2	1880	1527	-	1
1	1015643	99.4	5	3	1401	1262	1257	
2	1379398	67.4	5	2	1531	1403	-	
3	245489	73.6	5	2	1449	1041	-	
4	609113	65.9	5	1	1432	-	-	
5	970852	83.8	5	3	1356	1292	1419	
6	1335913	65.5	5	1	1543	-	-	
7	200406	98.6	5	3	1548	1796	1728	

Bin5 Statistics 3

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	409565	73.8	9	2	1806	1538	-	1
1	673692	69.5	9	2	1117	1649	-	
2	938562	51.9	9	1	1651	-	-	
3	113209	84.6	9	3	1976	1032	1271	
4	376726	95.4	9	3	1060	1903	1388	
5	641212	68	9	2	1368	1351	-	
6	903714	89.6	9	3	1338	1514	1573	
7	80863	81.9	9	2	1022	1689	-	
8	344067	88.3	9	3	1810	1330	1838	
9	609331	53.7	9	1	1597	-	-	
10	871542	91.3	9	3	1961	1106	1001	

Bin5 Statistics 4

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26541	68.1	19	2	1339	1355	-	1
1	171821	58.7	19	1	1251	-	-	
2	316229	75.3	19	2	1136	1640	-	
3	461864	56.4	19	1	1753	-	-	
4	8677	99.7	19	3	1196	1708	1159	
5	153995	57.7	19	1	1013	-	-	
6	299238	59.5	19	1	1072	-	-	
7	443177	80	19	2	1482	1369	-	
8	587671	82	19	2	1993	1197	-	
9	135674	82.8	19	2	1883	1005	-	
10	279928	88	19	3	1061	1928	1101	
11	424279	93.2	19	3	1207	1907	1223	
12	570132	70.4	19	2	1526	1360	-	
13	117439	95.3	19	3	1171	1955	1775	
14	262502	81.9	19	2	1690	1545	-	
15	406573	98.5	19	3	1975	1169	1062	
16	553328	65	19	1	1767	-	-	
17	99799	85.4	19	3	1011	1637	1425	
18	244095	91.6	19	3	1878	1445	1325	
19	390012	67.3	19	2	1091	1218	-	

Bin5 Statistics 5

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	629614	67.9	16	2	1320	1133	-	1
1	96856	62.3	16	1	1957	-	-	
2	267719	53.3	16	1	1592	-	-	
3	436784	90	16	3	1900	1153	1346	
4	608289	77.1	16	2	1166	1646	-	
5	75610	83.9	16	3	1278	1232	1459	
6	245638	89.1	16	3	1240	1384	1939	
7	416355	81.8	16	2	1833	1676	-	
8	588736	50.3	16	1	1075	-	-	
9	54571	87.1	16	3	1116	1996	1756	
10	225175	71.3	16	2	1225	1815	-	
11	394825	97.5	16	3	1884	1465	1132	
12	565361	90.6	16	3	1561	1040	1354	
13	33643	86.3	16	3	1596	1183	1792	
14	203957	97.6	16	3	1365	1073	1361	
15	373812	84.7	16	3	1021	1718	1854	
16	544060	99.7	16	3	1150	1244	1988	

Bin5 Statistics 6

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	15438	92.9	12	3	1085	1564	1407	1
1	222486	67.7	12	2	1744	1747	-	
2	430731	65.8	12	1	1092	-	-	
3	637784	56.3	12	1	1851	-	-	
4	845342	53.7	12	1	1727	-	-	
5	196720	83.5	12	3	1679	1930	1025	
6	404955	65.8	12	1	1519	-	-	
7	610711	85.9	12	3	1134	1034	1808	
8	818057	76.3	12	2	1606	1926	-	
9	171459	81.5	12	2	1891	1714	-	
10	377969	89.4	12	3	1310	1594	1827	
11	586875	63.4	12	1	1568	-	-	
12	792834	69.6	12	2	1307	1925	-	
13	146044	74.5	12	2	1264	1846	-	

Bin5 Statistics 7

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	329022	96.6	13	3	1182	1609	1581	1
1	521718	96.7	13	3	1829	1799	1154	
2	714222	86.5	13	3	1923	1396	1865	
3	112450	73.3	13	2	1908	1318	-	
4	306283	55.8	13	1	1688	-	-	
5	500239	55.4	13	1	1145	-	-	
6	690932	85.3	13	3	1336	1504	1820	
7	88645	79.4	13	2	1344	1893	-	
8	282508	65.7	13	1	1476	-	-	
9	475842	68.6	13	2	1008	1028	-	
10	667887	77.7	13	2	1972	1835	-	
11	64845	79.6	13	2	1882	1331	-	
12	257755	94.9	13	3	1830	1070	1349	
13	452335	61.4	13	1	1451	-	-	
14	643395	90.6	13	3	1233	1562	1887	

Bin5 Statistics 8

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	51446	52.6	10	1	1210	-	-	1
1	292696	84.1	10	3	1314	1725	1529	
2	533989	97.7	10	3	1139	1868	1805	
3	775564	97.3	10	3	1341	1446	1755	
4	21542	98.8	10	3	1544	1386	1302	
5	263385	72.2	10	2	1771	1184	-	
6	505581	67.6	10	2	1175	1027	-	
7	747058	75.7	10	2	1026	1871	-	
8	989976	60.9	10	1	1798	-	-	
9	234024	64.2	10	1	1138	-	-	
10	475207	78.8	10	2	1784	1604	-	
11	715825	87.5	10	3	1511	1712	1683	

Bin5 Statistics 9

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	823112	54.1	13	1	1415	-	-	1
1	174965	50.7	13	1	1221	-	-	
2	382216	52.3	13	1	1974	-	-	
3	587395	99.8	13	3	1558	1696	1949	
4	796897	68.4	13	2	1014	1099	-	
5	149042	80.8	13	2	1736	1505	-	
6	356750	62.5	13	1	1778	-	-	
7	563824	74.8	13	2	1149	1204	-	
8	772314	50.8	13	1	1049	-	-	
9	123796	54	13	1	1417	-	-	
10	331215	63	13	1	1730	-	-	
11	537402	91.8	13	3	1143	1270	1347	
12	744805	79.3	13	2	1274	1992	-	
13	98172	64.3	13	1	1937	-	-	

Bin5 Statistics 10

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	535615	63.4	6	1	1043	-	-	1
1	898668	52	6	1	1863	-	-	
2	1259235	97.2	6	3	1973	1605	1583	
3	127106	78.7	6	2	1466	1743	-	
4	490358	74.2	6	2	1280	1219	-	
5	852409	88.7	6	3	1293	1934	1273	
6	1217152	54.3	6	1	1991	-	-	
7	82296	95.4	6	3	1580	1555	1791	

Bin5 Statistics 11

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	209249	73.7	16	2	1208	1497	-	
1	378386	97.4	16	3	1942	1754	1613	
2	548411	91.7	16	3	1999	1702	1462	
3	17733	66.2	16	1	1393	-	-	
4	187952	70.8	16	2	1968	1821	-	
5	359277	52.3	16	1	1740	-	-	
6	528886	78.9	16	2	1308	1984	-	
7	700166	70.9	16	2	1050	1358	-	
8	167197	75.6	16	2	1437	1430	-	1
9	338262	59.1	16	1	1697	-	-	
10	508324	77	16	2	1397	1304	-	
11	678689	67.9	16	2	1803	1083	-	
12	146031	81.2	16	2	1720	1932	-	
13	316923	78.7	16	2	1247	1121	-	
14	488056	63.3	16	1	1634	-	-	
15	657326	68.9	16	2	1849	1423	-	
16	125509	59.3	16	1	1093	-	-	

Bin5 Statistics 12

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	263736	98.9	19	3	1381	1680	1488	1
1	416459	82.3	19	2	1716	1855	-	
2	567902	86.7	19	3	1211	1400	1919	
3	92979	89.7	19	3	1861	1068	1282	
4	245155	98.6	19	3	1507	1194	1461	
5	397609	71.1	19	2	1921	1789	-	
6	551431	55.9	19	1	1947	-	-	
7	74413	67.9	19	2	1350	1372	-	
8	226559	84.4	19	3	1203	1107	1443	
9	380056	58.8	19	1	1715	-	-	
10	533408	65.6	19	1	1017	-	-	
11	55547	78.5	19	2	1911	1704	-	
12	207876	82.3	19	2	1845	1686	-	
13	359771	90.1	19	3	1938	1071	1266	
14	511297	90.2	19	3	1989	1089	1950	
15	36803	83.1	19	2	1943	1406	-	
16	189652	58.8	19	1	1742	-	-	
17	341809	77	19	2	1187	1657	-	
18	495737	55	19	1	1012	-	-	

Bin5 Statistics 13

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	22911	58.1	13	1	1929	-	-	1
1	216473	52.1	13	1	1910	-	-	
2	410004	59.9	13	1	1971	-	-	
3	603671	60.2	13	1	1812	-	-	
4	794160	95.9	13	3	1399	1906	1608	
5	192251	79.9	13	2	1626	1859	-	
6	385590	78.5	13	2	1238	1917	-	
7	579862	53.8	13	1	1763	-	-	
8	773423	64.7	13	1	1800	-	-	
9	168898	61.4	13	1	1390	-	-	
10	361606	83.2	13	2	1692	1858	-	
11	553866	84.7	13	3	1533	1677	1638	
12	747241	88.7	13	3	1703	1528	1058	
13	144710	78.3	13	2	1258	1951	-	
14	337856	69.3	13	2	1731	1717	-	

Bin5 Statistics 14

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	664275	75.3	10	2	1994	1612	-	1
1	907886	56.3	10	1	1456	-	-	
2	151316	67.7	10	2	1617	1185	-	
3	393746	55.6	10	1	1337	-	-	
4	635093	75.2	10	2	1421	1267	-	
5	876993	76.3	10	2	1359	1305	-	
6	121278	85.7	10	3	1547	1362	1924	
7	362696	98.4	10	3	1873	1550	1249	
8	604342	86.4	10	3	1779	1439	1046	
9	846453	93.6	10	3	1059	1031	1452	
10	91871	63.3	10	1	1328	-	-	
11	333050	92.4	10	3	1412	1673	1322	

Bin5 Statistics 15

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	361323	93.3	18	3	1983	1912	1535	
1	515261	69.1	18	2	1102	1794	-	
2	39025	86.9	18	3	1044	1152	1148	
3	190900	84.9	18	3	1894	1948	1118	
4	343941	72.3	18	2	1094	1916	-	
5	497624	51.7	18	1	1447	-	-	
6	20319	58.3	18	1	1429	-	-	
7	172999	60.8	18	1	1979	-	-	
8	325872	57.1	18	1	1641	-	-	
9	475841	88.9	18	3	1886	1964	1489	1
10	1489	72	18	2	1909	1297	-	
11	153647	90.9	18	3	1261	1566	1370	
12	307096	59.8	18	1	1552	-	-	
13	458804	70	18	2	1759	1291	-	
14	610798	67.2	18	2	1625	1881	-	
15	134759	91.2	18	3	1382	1832	1661	
16	288306	56.5	18	1	1483	-	-	
17	441296	51.2	18	1	1237	-	-	
18	592780	74.1	18	2	1471	1245	-	

Bin5 Statistics 16

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	158286	76.9	12	2	1110	1140	-	
1	366024	50.2	12	1	1316	-	-	
2	573452	62.9	12	1	1520	-	-	
3	780619	64.7	12	1	1902	-	-	
4	132455	83.8	12	3	1410	1097	1621	
5	340207	65.4	12	1	1944	-	-	
6	548208	53.2	12	1	1024	-	-	
7	755333	51.7	12	1	1603	-	-	1
8	107117	78.7	12	2	1804	1168	-	
9	314500	72.4	12	2	1030	1343	-	
10	522447	53.8	12	1	1327	-	-	
11	728517	73.6	12	2	1524	1553	-	
12	81611	66.7	12	2	1722	1122	-	
13	288948	82.5	12	2	1404	1019	-	

Bin5 Statistics 17

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	345766	87.6	20	3	1565	1055	1840	1
1	490019	85.2	20	3	1735	1541	1408	
2	39073	84.8	20	3	1534	1889	1463	
3	183923	77.9	20	2	1749	1460	-	
4	328777	76.5	20	2	1518	1485	-	
5	474728	60.9	20	1	1540	-	-	
6	21394	83	20	2	1080	1010	-	
7	165992	80.4	20	2	1824	1752	-	
8	310973	67.5	20	2	1764	1181	-	
9	456884	62.1	20	1	1495	-	-	
10	3515	86.4	20	3	1773	1966	1263	
11	147928	84.3	20	3	1593	1188	1788	
12	293225	76.9	20	2	1226	1537	-	
13	436922	95.8	20	3	1192	1298	1844	
14	584015	55.2	20	1	1644	-	-	
15	130832	59	20	1	1402	-	-	
16	274684	94.5	20	3	1296	1700	1283	
17	418579	91.9	20	3	1970	1978	1165	
18	563464	85.2	20	3	1732	1551	1189	
19	112787	69.5	20	2	1038	1224	-	

Bin5 Statistics 18

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	429224	86.4	10	3	1259	1918	1455	1
1	670241	92.2	10	3	1598	1719	1895	
2	912880	80.4	10	2	1816	1899	-	
3	158603	54.3	10	1	1335	-	-	
4	400824	53.1	10	1	1303	-	-	
5	641915	69.4	10	2	1503	1546	-	
6	883823	69.1	10	2	1279	1639	-	
7	128373	100	10	3	1375	1438	1595	
8	370379	79.6	10	2	1239	1705	-	
9	611194	88.4	10	3	1374	1579	1623	
10	855665	53.3	10	1	1016	-	-	
11	98897	65.3	10	1	1709	-	-	

Bin5 Statistics 19

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	292143	55.3	12	1	1920	-	-	1
1	499633	58.3	12	1	1797	-	-	
2	706377	72.3	12	2	1610	1039	-	
3	58989	84.8	12	3	1131	1761	1721	
4	266161	82.5	12	2	1875	1431	-	
5	474469	63.3	12	1	1095	-	-	
6	680544	80	12	2	1119	1913	-	
7	33519	90.3	12	3	1660	1853	1123	
8	240319	91.1	12	3	1539	1783	1172	
9	447400	96.6	12	3	1525	1036	1385	
10	654516	82.7	12	2	1710	1990	-	
11	8083	50.7	12	1	1234	-	-	
12	215435	78.4	12	2	1047	1109	-	
13	421325	99.5	12	3	1299	1965	1869	

Bin5 Statistics 20

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	733725	88.6	10	3	1501	1067	1927	1
1	977882	57.4	10	1	1723	-	-	
2	221197	96.6	10	3	1086	1658	1324	
3	462915	69.7	10	2	1751	1945	-	
4	705071	77.9	10	2	1642	1317	-	
5	947923	62	10	1	1866	-	-	
6	191373	88.4	10	3	1997	1077	1366	
7	432561	97.3	10	3	1790	1896	1367	
8	674004	96.2	10	3	1391	1787	1672	
9	915842	95.4	10	3	1020	1892	1414	
10	162176	54.8	10	1	1084	-	-	
11	403553	80.4	10	2	1850	1436	-	

Bin5 Statistics 21

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	483470	74.7	15	2	1619	1611	-	1
1	666072	57.1	15	1	1560	-	-	
2	98810	91.9	15	3	1392	1475	1276	
3	279914	83.1	15	2	1809	1772	-	
4	462536	50.7	15	1	1003	-	-	
5	642324	79.2	15	2	1574	1600	-	
6	76831	58.7	15	1	1186	-	-	
7	257785	71	15	2	1521	1567	-	
8	438554	79	15	2	1777	1960	-	
9	620397	68.5	15	2	1284	1428	-	
10	54310	73.5	15	2	1904	1352	-	
11	235506	70.5	15	2	1864	1115	-	
12	417036	76.6	15	2	1045	1300	-	
13	597974	81.2	15	2	1160	1675	-	
14	32086	61.8	15	1	1277	-	-	
15	212751	94.9	15	3	1450	1206	1860	

Bin5 Statistics 22

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	526149	78.5	9	2	1653	1698	-	1
1	767135	89.8	9	3	1174	1962	1167	
2	12955	59.4	9	1	1982	-	-	
3	254612	79.6	9	2	1633	1890	-	
4	496588	76	9	2	1112	1811	-	
5	739728	53.6	9	1	1144	-	-	
6	980872	80.9	9	2	1220	1053	-	
7	225249	61.6	9	1	1724	-	-	
8	467279	53.4	9	1	1901	-	-	
9	709720	59.9	9	1	1379	-	-	
10	951847	60.4	9	1	1453	-	-	
11	194839	91.4	9	3	1768	1726	1227	

Bin5 Statistics 23

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	261858	77	20	2	1191	1363	-	1
1	407646	58.1	20	1	1248	-	-	
2	552319	62.1	20	1	1836	-	-	
3	99107	76.9	20	2	1334	1236	-	
4	243514	80	20	2	1914	1852	-	
5	389464	52	20	1	1701	-	-	
6	531093	88.6	20	3	1693	1995	1905	
7	81159	72.9	20	2	1922	1387	-	
8	225245	98.5	20	3	1839	1746	1389	
9	371906	57.9	20	1	1193	-	-	
10	514197	95.9	20	3	1659	1870	1066	
11	63561	53.5	20	1	1162	-	-	
12	207510	92	20	3	1745	1654	1458	
13	353638	57.3	20	1	1834	-	-	
14	497515	70.5	20	2	1684	1586	-	
15	45553	70	20	2	1042	1664	-	
16	189821	84	20	3	1765	1630	1176	
17	335330	76.1	20	2	1557	1057	-	
18	478825	93.2	20	3	1985	1018	1340	
19	27594	96.8	20	3	1760	1614	1817	

Bin5 Statistics 24

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247117	50.1	12	1	1841	-	-	1
1	453362	93.5	12	3	1590	1081	1413	
2	660875	68.8	12	2	1707	1577	-	
3	14140	56.3	12	1	1056	-	-	
4	220734	86	12	3	1953	1108	1987	
5	428367	75.2	12	2	1572	1536	-	
6	636681	54.4	12	1	1517	-	-	
7	843157	71.1	12	2	1329	1243	-	
8	195585	76.2	12	2	1940	1770	-	
9	403231	80.2	12	2	1098	1209	-	
10	610202	79.7	12	2	1588	1214	-	
11	815229	90.9	12	3	1615	1862	1601	
12	170267	68.7	12	2	1377	1441	-	
13	377306	67.4	12	2	1872	1313	-	

Bin5 Statistics 25

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	628071	94	11	3	1643	1748	1941	1
1	853391	70.8	11	2	1177	1201	-	
2	156223	56.3	11	1	1006	-	-	
3	378734	96.7	11	3	1230	1163	1332	
4	601331	90.6	11	3	1217	1582	1498	
5	825462	74.5	11	2	1569	1281	-	
6	128265	92.6	11	3	1065	1669	1222	
7	351161	89	11	3	1493	1135	1380	
8	573425	96.5	11	3	1607	1822	1602	
9	798431	70.5	11	2	1141	1178	-	
10	100737	94	11	3	1009	1629	1956	
11	324661	55.8	11	1	1290	-	-	
12	546278	87.7	11	3	1435	1963	1164	

Bin5 Statistics 26

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1253842	68.6	5	2	1306	1161	-	1
1	119486	83.1	5	2	1420	1315	-	
2	482958	60.9	5	1	1687	-	-	
3	845641	77.7	5	2	1776	1158	-	
4	1208428	77.4	5	2	1793	1510	-	
5	74748	66.8	5	2	1576	1323	-	
6	438300	63.7	5	1	1333	-	-	
7	800152	91.2	5	3	1409	1681	1275	

Bin5 Statistics 27

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	545865	83.6	16	3	1632	1195	1000	1
1	14067	89.4	16	3	1173	1627	1656	
2	184953	55.8	16	1	1532	-	-	
3	353759	90.9	16	3	1981	1554	1998	
4	526388	54.7	16	1	1825	-	-	
5	694806	97.7	16	3	1734	1202	1250	
6	163568	67.5	16	2	1571	1434	-	
7	333410	96.7	16	3	1589	1469	1268	
8	504006	68.3	16	2	1750	1954	-	
9	675297	78.3	16	2	1591	1082	-	
10	142890	55	16	1	1427	-	-	
11	312479	84.9	16	3	1129	1936	1199	
12	482953	74.6	16	2	1959	1856	-	
13	655022	63.3	16	1	1885	-	-	
14	121457	99.8	16	3	1035	1515	1120	
15	292606	63.6	16	1	1647	-	-	
16	461322	87.3	16	3	1931	1051	1831	

Bin5 Statistics 28

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	565136	85.6	19	3	1946	1078	1015	1
1	89970	68.6	19	2	1029	1780	-	
2	243121	54.2	19	1	1111	-	-	
3	396034	61.2	19	1	1104	-	-	
4	546225	97.1	19	3	1157	1969	1100	
5	70998	98.3	19	3	1142	1699	1622	
6	224093	62.4	19	1	1655	-	-	
7	376127	80.2	19	2	1126	1769	-	
8	527806	87.5	19	3	1216	1448	1179	
9	52247	85.8	19	3	1847	1348	1472	
10	204582	88.1	19	3	1023	1124	1631	
11	357941	65.3	19	1	1848	-	-	
12	510977	52.5	19	1	1470	-	-	
13	33698	52.3	19	1	1312	-	-	
14	186023	74.1	19	2	1915	1200	-	
15	339327	54.9	19	1	1479	-	-	
16	491053	76.2	19	2	1376	1502	-	
17	14858	60.4	19	1	1758	-	-	
18	167387	81.5	19	2	1491	1103	-	

Bin5 Statistics 29

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	507709	50.5	10	1	1857	-	-	1
1	750249	55.7	10	1	1246	-	-	
2	989003	85.8	10	3	1774	1002	1967	
3	235634	76.9	10	2	1125	1474	-	
4	477675	75.1	10	2	1254	1052	-	
5	718312	92.3	10	3	1180	1486	1492	
6	960895	78.1	10	2	1301	1757	-	
7	205370	92.2	10	3	1898	1252	1713	
8	446940	89	10	3	1260	1706	1411	
9	689225	70.9	10	2	1578	1620	-	
10	932305	63.1	10	1	1782	-	-	
11	176231	55.3	10	1	1522	-	-	

Bin5 Statistics 30

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	277485	83.4	17	3	1454	1205	1801	1
1	437880	97.3	17	3	1319	1826	1635	
2	598445	90.4	17	3	1079	1986	1674	
3	97088	91.8	17	3	1563	1151	1802	
4	257251	98.2	17	3	1876	1977	1766	
5	419893	59.5	17	1	1952	-	-	
6	580724	80	17	2	1253	1137	-	
7	77366	86.5	17	3	1054	1128	1828	
8	238032	91.1	17	3	1105	1599	1442	
9	398605	93.5	17	3	1867	1373	1087	
10	562025	60.7	17	1	1033	-	-	
11	57684	67.2	17	2	1288	1405	-	
12	219083	61.8	17	1	1585	-	-	
13	379234	79.4	17	2	1933	1667	-	
14	540896	81.4	17	2	1096	1464	-	
15	37916	65.7	17	1	1496	-	-	
16	198794	76	17	2	1733	1255	-	
17	359754	81	17	2	1326	1668	-	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530.0	9	1.0	333	1	5318.0, 5660.0, 5535.0, 5440.0, 5697.0, 5604.0, 5650.0, 5394.0, 5684.0, 5549.0, 5371.0, 5528.0, 5327.0, 5342.0, 5360.0, 5389.0, 5718.0, 5703.0, 5309.0, 5567.0, 5434.0, 5344.0, 5441.0, 5484.0, 5468.0, 5531.0, 5626.0, 5278.0, 5308.0, 5306.0, 5477.0, 5397.0, 5659.0, 5606.0, 5286.0, 5530.0, 5305.0, 5302.0, 5411.0, 5677.0, 5395.0, 5387.0, 5695.0, 5363.0, 5330.0, 5398.0, 5366.0, 5529.0, 5301.0, 5708.0, 5328.0, 5532.0, 5621.0, 5643.0, 5542.0, 5429.0, 5465.0, 5722.0, 5614.0, 5284.0, 5671.0, 5280.0, 5634.0, 5510.0, 5299.0, 5259.0, 5466.0, 5584.0, 5493.0, 5557.0, 5409.0, 5543.0, 5273.0, 5502.0, 5706.0, 5522.0, 5700.0, 5601.0, 5268.0, 5665.0, 5503.0, 5347.0, 5666.0, 5275.0, 5540.0, 5709.0, 5462.0, 5574.0, 5699.0, 5365.0, 5433.0, 5500.0, 5719.0, 5373.0, 5589.0, 5480.0, 5498.0, 5414.0, 5428.0, 5333.0 (number of hits: 19)
2	5530.0	9	1.0	333	1	5515.0, 5332.0, 5678.0, 5429.0, 5638.0, 5571.0, 5490.0, 5574.0, 5262.0, 5253.0, 5402.0, 5591.0, 5313.0, 5651.0, 5390.0, 5285.0, 5501.0, 5517.0, 5411.0, 5277.0, 5706.0, 5710.0, 5548.0, 5371.0, 5596.0, 5630.0, 5291.0, 5401.0, 5595.0, 5572.0, 5495.0, 5483.0, 5428.0, 5463.0, 5376.0, 5550.0, 5694.0, 5668.0, 5374.0, 5508.0, 5635.0, 5455.0, 5579.0, 5481.0, 5282.0, 5312.0, 5684.0, 5622.0, 5391.0, 5585.0, 5410.0, 5344.0, 5289.0, 5384.0, 5614.0, 5388.0, 5703.0, 5573.0, 5509.0, 5555.0, 5578.0, 5709.0, 5260.0, 5367.0, 5272.0, 5582.0, 5445.0, 5557.0, 5383.0, 5540.0, 5531.0, 5639.0, 5281.0, 5640.0, 5426.0, 5270.0, 5600.0, 5375.0, 5362.0, 5692.0, 5430.0, 5608.0, 5492.0, 5700.0, 5404.0, 5621.0, 5438.0, 5583.0, 5386.0, 5494.0, 5686.0, 5350.0, 5524.0, 5357.0, 5361.0, 5518.0, 5534.0, 5316.0, 5333.0, 5672.0 (number of hits: 17)
3	5530.0	9	1.0	333	1	5458.0, 5262.0, 5371.0, 5298.0, 5719.0, 5300.0, 5610.0, 5451.0, 5538.0, 5259.0, 5277.0, 5684.0, 5462.0, 5272.0, 5445.0, 5535.0, 5659.0, 5446.0, 5574.0, 5524.0, 5392.0, 5630.0, 5488.0, 5720.0, 5463.0, 5506.0, 5588.0, 5420.0, 5497.0, 5374.0, 5603.0, 5532.0, 5587.0, 5527.0, 5415.0, 5668.0, 5417.0, 5562.0, 5499.0, 5378.0, 5581.0, 5658.0, 5554.0, 5508.0, 5631.0, 5694.0, 5316.0, 5565.0, 5471.0, 5379.0, 5555.0, 5513.0, 5357.0, 5606.0, 5640.0, 5389.0, 5301.0, 5533.0, 5676.0, 5345.0, 5551.0, 5595.0, 5558.0, 5560.0, 5648.0, 5522.0, 5707.0, 5537.0, 5633.0, 5716.0, 5289.0, 5440.0, 5642.0, 5275.0, 5628.0, 5335.0, 5410.0, 5441.0, 5409.0, 5502.0, 5340.0, 5426.0, 5401.0, 5355.0, 5423.0, 5314.0, 5503.0, 5393.0, 5311.0, 5407.0, 5288.0, 5591.0, 5651.0, 5295.0, 5439.0, 5509.0, 5685.0, 5515.0, 5584.0, 5305.0 (number of hits: 24)
4	5530.0	9	1.0	333	1	5463.0, 5352.0, 5286.0, 5713.0, 5595.0, 5469.0, 5428.0, 5650.0, 5397.0, 5534.0, 5674.0, 5703.0, 5329.0, 5616.0, 5376.0, 5488.0, 5702.0, 5630.0, 5501.0, 5705.0, 5318.0, 5493.0, 5424.0, 5378.0, 5526.0, 5551.0, 5456.0, 5319.0, 5355.0, 5664.0, 5264.0, 5411.0, 5306.0, 5408.0, 5363.0, 5629.0, 5379.0, 5657.0, 5695.0, 5593.0, 5481.0, 5569.0, 5440.0, 5662.0, 5422.0, 5709.0, 5502.0, 5304.0, 5308.0, 5337.0, 5459.0, 5608.0, 5421.0, 5398.0, 5460.0, 5470.0, 5273.0, 5307.0, 5471.0, 5627.0, 5646.0, 5359.0, 5254.0, 5334.0, 5597.0, 5557.0, 5524.0, 5362.0, 5533.0, 5382.0,

						5603.0, 5618.0, 5433.0, 5349.0, 5339.0, 5483.0, 5620.0, 5687.0, 5694.0, 5482.0, 5336.0, 5291.0, 5539.0, 5288.0, 5610.0, 5585.0, 5251.0, 5622.0, 5583.0, 5550.0, 5661.0, 5706.0, 5454.0, 5386.0, 5455.0, 5410.0, 5259.0, 5623.0, 5699.0, 5464.0 (number of hits: 11)
5	5530.0	9	1.0	333	1	5680.0, 5498.0, 5693.0, 5664.0, 5648.0, 5416.0, 5417.0, 5333.0, 5627.0, 5553.0, 5661.0, 5635.0, 5636.0, 5577.0, 5276.0, 5521.0, 5530.0, 5373.0, 5641.0, 5565.0, 5597.0, 5425.0, 5457.0, 5670.0, 5445.0, 5614.0, 5459.0, 5266.0, 5523.0, 5551.0, 5297.0, 5262.0, 5652.0, 5667.0, 5289.0, 5446.0, 5469.0, 5268.0, 5381.0, 5499.0, 5288.0, 5472.0, 5656.0, 5306.0, 5576.0, 5561.0, 5255.0, 5378.0, 5579.0, 5607.0, 5286.0, 5628.0, 5512.0, 5356.0, 5562.0, 5489.0, 5444.0, 5539.0, 5348.0, 5384.0, 5593.0, 5709.0, 5443.0, 5427.0, 5589.0, 5649.0, 5376.0, 5657.0, 5646.0, 5550.0, 5552.0, 5321.0, 5478.0, 5632.0, 5522.0, 5514.0, 5495.0, 5363.0, 5642.0, 5629.0, 5682.0, 5619.0, 5506.0, 5347.0, 5302.0, 5325.0, 5406.0, 5658.0, 5263.0, 5510.0, 5653.0, 5532.0, 5675.0, 5617.0, 5625.0, 5290.0, 5473.0, 5517.0, 5502.0, 5542.0 (number of hits: 23)
6	5530.0	9	1.0	333	1	5574.0, 5676.0, 5445.0, 5635.0, 5385.0, 5713.0, 5459.0, 5632.0, 5295.0, 5692.0, 5583.0, 5321.0, 5423.0, 5460.0, 5649.0, 5367.0, 5361.0, 5546.0, 5507.0, 5630.0, 5448.0, 5586.0, 5665.0, 5489.0, 5682.0, 5288.0, 5287.0, 5579.0, 5277.0, 5322.0, 5532.0, 5427.0, 5658.0, 5415.0, 5647.0, 5357.0, 5702.0, 5389.0, 5511.0, 5315.0, 5359.0, 5317.0, 5342.0, 5432.0, 5627.0, 5283.0, 5673.0, 5609.0, 5424.0, 5584.0, 5599.0, 5571.0, 5294.0, 5301.0, 5625.0, 5449.0, 5612.0, 5289.0, 5648.0, 5654.0, 5689.0, 5390.0, 5422.0, 5363.0, 5443.0, 5273.0, 5548.0, 5551.0, 5628.0, 5347.0, 5719.0, 5267.0, 5495.0, 5710.0, 5468.0, 5437.0, 5568.0, 5485.0, 5703.0, 5626.0, 5413.0, 5664.0, 5259.0, 5668.0, 5438.0, 5406.0, 5411.0, 5405.0, 5350.0, 5680.0, 5695.0, 5258.0, 5393.0, 5358.0, 5383.0, 5474.0, 5559.0, 5327.0, 5624.0, 5461.0 (number of hits: 8)
7	5530.0	9	1.0	333	1	5661.0, 5722.0, 5642.0, 5568.0, 5632.0, 5683.0, 5527.0, 5575.0, 5290.0, 5501.0, 5666.0, 5709.0, 5561.0, 5591.0, 5328.0, 5331.0, 5554.0, 5464.0, 5319.0, 5442.0, 5418.0, 5322.0, 5296.0, 5329.0, 5454.0, 5691.0, 5677.0, 5271.0, 5377.0, 5705.0, 5257.0, 5519.0, 5479.0, 5372.0, 5406.0, 5473.0, 5563.0, 5480.0, 5688.0, 5465.0, 5631.0, 5325.0, 5275.0, 5699.0, 5545.0, 5458.0, 5697.0, 5308.0, 5604.0, 5584.0, 5327.0, 5358.0, 5638.0, 5659.0, 5318.0, 5533.0, 5295.0, 5601.0, 5526.0, 5349.0, 5587.0, 5525.0, 5417.0, 5714.0, 5701.0, 5279.0, 5580.0, 5476.0, 5440.0, 5419.0, 5313.0, 5610.0, 5585.0, 5696.0, 5449.0, 5596.0, 5426.0, 5259.0, 5482.0, 5405.0, 5708.0, 5371.0, 5254.0, 5672.0, 5537.0, 5615.0, 5582.0, 5558.0, 5334.0, 5277.0, 5303.0, 5326.0, 5266.0, 5667.0, 5549.0, 5624.0, 5388.0, 5592.0, 5463.0, 5553.0 (number of hits: 14)
8	5530.0	9	1.0	333	1	5695.0, 5643.0, 5284.0, 5411.0, 5502.0, 5462.0, 5654.0, 5652.0, 5361.0, 5350.0, 5434.0, 5325.0, 5264.0, 5319.0, 5585.0, 5529.0, 5355.0, 5496.0, 5661.0, 5408.0, 5464.0, 5317.0, 5507.0, 5469.0, 5364.0, 5402.0, 5399.0, 5365.0, 5576.0, 5582.0, 5289.0, 5712.0, 5316.0, 5617.0, 5669.0, 5625.0, 5710.0, 5483.0, 5706.0, 5565.0, 5559.0, 5581.0, 5456.0, 5597.0, 5446.0, 5644.0, 5477.0, 5632.0, 5618.0, 5468.0, 5584.0, 5495.0, 5704.0, 5508.0, 5450.0, 5358.0, 5280.0, 5531.0, 5683.0, 5499.0, 5591.0, 5690.0, 5467.0, 5554.0, 5321.0, 5536.0, 5332.0, 5394.0, 5519.0, 5299.0, 5346.0, 5337.0, 5680.0, 5406.0, 5707.0, 5622.0, 5367.0,

						5382.0, 5261.0, 5686.0, 5390.0, 5553.0, 5369.0, 5604.0, 5400.0, 5374.0, 5719.0, 5269.0, 5481.0, 5630.0, 5416.0, 5624.0, 5569.0, 5608.0, 5457.0, 5433.0, 5556.0, 5658.0, 5415.0, 5458.0 (number of hits: 15)
9	5530.0	9	1.0	333	1	5418.0, 5661.0, 5557.0, 5686.0, 5512.0, 5526.0, 5499.0, 5398.0, 5453.0, 5665.0, 5407.0, 5568.0, 5269.0, 5479.0, 5474.0, 5583.0, 5579.0, 5310.0, 5425.0, 5345.0, 5274.0, 5662.0, 5365.0, 5562.0, 5563.0, 5415.0, 5321.0, 5498.0, 5402.0, 5547.0, 5357.0, 5369.0, 5708.0, 5589.0, 5588.0, 5396.0, 5446.0, 5723.0, 5335.0, 5710.0, 5471.0, 5648.0, 5273.0, 5669.0, 5457.0, 5680.0, 5577.0, 5478.0, 5543.0, 5590.0, 5509.0, 5564.0, 5501.0, 5541.0, 5394.0, 5640.0, 5636.0, 5373.0, 5439.0, 5281.0, 5388.0, 5384.0, 5317.0, 5459.0, 5712.0, 5456.0, 5644.0, 5374.0, 5517.0, 5511.0, 5370.0, 5573.0, 5642.0, 5319.0, 5612.0, 5285.0, 5570.0, 5695.0, 5566.0, 5596.0, 5306.0, 5463.0, 5673.0, 5634.0, 5560.0, 5690.0, 5704.0, 5565.0, 5422.0, 5465.0, 5598.0, 5447.0, 5713.0, 5671.0, 5362.0, 5282.0, 5484.0, 5548.0, 5487.0, 5368.0 (number of hits: 19)
10	5530.0	9	1.0	333	1	5262.0, 5291.0, 5466.0, 5402.0, 5653.0, 5638.0, 5504.0, 5571.0, 5681.0, 5524.0, 5386.0, 5484.0, 5633.0, 5713.0, 5703.0, 5448.0, 5444.0, 5429.0, 5718.0, 5589.0, 5705.0, 5569.0, 5414.0, 5447.0, 5597.0, 5283.0, 5679.0, 5394.0, 5585.0, 5630.0, 5493.0, 5445.0, 5391.0, 5486.0, 5632.0, 5574.0, 5328.0, 5446.0, 5293.0, 5644.0, 5490.0, 5522.0, 5481.0, 5279.0, 5382.0, 5502.0, 5326.0, 5600.0, 5350.0, 5613.0, 5308.0, 5457.0, 5623.0, 5276.0, 5616.0, 5397.0, 5380.0, 5720.0, 5330.0, 5477.0, 5437.0, 5356.0, 5297.0, 5587.0, 5253.0, 5716.0, 5592.0, 5280.0, 5379.0, 5676.0, 5656.0, 5688.0, 5260.0, 5620.0, 5712.0, 5546.0, 5385.0, 5250.0, 5609.0, 5322.0, 5682.0, 5694.0, 5492.0, 5340.0, 5649.0, 5536.0, 5255.0, 5259.0, 5698.0, 5528.0, 5666.0, 5677.0, 5406.0, 5683.0, 5582.0, 5555.0, 5268.0, 5401.0, 5523.0, 5428.0 (number of hits: 11)
11	5530.0	9	1.0	333	1	5637.0, 5255.0, 5326.0, 5554.0, 5461.0, 5576.0, 5423.0, 5320.0, 5328.0, 5583.0, 5362.0, 5286.0, 5259.0, 5452.0, 5704.0, 5450.0, 5329.0, 5264.0, 5527.0, 5360.0, 5363.0, 5512.0, 5633.0, 5387.0, 5505.0, 5373.0, 5614.0, 5481.0, 5552.0, 5261.0, 5333.0, 5390.0, 5442.0, 5374.0, 5508.0, 5689.0, 5376.0, 5631.0, 5621.0, 5289.0, 5515.0, 5472.0, 5283.0, 5655.0, 5459.0, 5404.0, 5558.0, 5696.0, 5587.0, 5323.0, 5572.0, 5679.0, 5371.0, 5491.0, 5272.0, 5540.0, 5664.0, 5682.0, 5438.0, 5639.0, 5703.0, 5685.0, 5507.0, 5469.0, 5662.0, 5675.0, 5525.0, 5425.0, 5660.0, 5668.0, 5398.0, 5347.0, 5271.0, 5601.0, 5403.0, 5466.0, 5462.0, 5355.0, 5353.0, 5396.0, 5497.0, 5611.0, 5513.0, 5345.0, 5686.0, 5635.0, 5592.0, 5278.0, 5544.0, 5251.0, 5361.0, 5568.0, 5401.0, 5339.0, 5537.0, 5389.0, 5479.0, 5652.0, 5571.0, 5701.0 (number of hits: 15)
12	5530.0	9	1.0	333	1	5539.0, 5541.0, 5724.0, 5507.0, 5422.0, 5493.0, 5487.0, 5374.0, 5686.0, 5404.0, 5546.0, 5497.0, 5534.0, 5609.0, 5486.0, 5420.0, 5683.0, 5443.0, 5384.0, 5310.0, 5714.0, 5398.0, 5480.0, 5658.0, 5267.0, 5469.0, 5462.0, 5395.0, 5524.0, 5304.0, 5597.0, 5258.0, 5309.0, 5579.0, 5542.0, 5437.0, 5316.0, 5440.0, 5677.0, 5281.0, 5716.0, 5679.0, 5342.0, 5703.0, 5476.0, 5606.0, 5556.0, 5261.0, 5596.0, 5592.0, 5354.0, 5358.0, 5562.0, 5629.0, 5582.0, 5715.0, 5644.0, 5669.0, 5333.0, 5265.0, 5357.0, 5673.0, 5455.0, 5649.0, 5317.0, 5446.0, 5511.0, 5307.0, 5400.0, 5411.0, 5595.0, 5521.0, 5471.0, 5601.0, 5570.0, 5490.0, 5529.0, 5533.0, 5500.0, 5458.0, 5470.0, 5654.0, 5518.0, 5651.0,

						5393.0, 5306.0, 5412.0, 5520.0, 5605.0, 5687.0, 5626.0, 5315.0, 5257.0, 5388.0, 5544.0, 5330.0, 5588.0, 5456.0, 5383.0, 5256.0 (number of hits: 19)
13	5530.0	9	1.0	333	1	5303.0, 5642.0, 5492.0, 5295.0, 5706.0, 5454.0, 5655.0, 5526.0, 5552.0, 5646.0, 5294.0, 5691.0, 5575.0, 5489.0, 5545.0, 5335.0, 5308.0, 5396.0, 5406.0, 5277.0, 5339.0, 5488.0, 5694.0, 5310.0, 5368.0, 5424.0, 5635.0, 5437.0, 5707.0, 5698.0, 5328.0, 5713.0, 5262.0, 5347.0, 5282.0, 5420.0, 5597.0, 5417.0, 5514.0, 5556.0, 5582.0, 5676.0, 5393.0, 5258.0, 5383.0, 5548.0, 5344.0, 5584.0, 5318.0, 5419.0, 5252.0, 5265.0, 5503.0, 5359.0, 5374.0, 5579.0, 5645.0, 5682.0, 5525.0, 5457.0, 5426.0, 5631.0, 5401.0, 5627.0, 5559.0, 5301.0, 5304.0, 5516.0, 5601.0, 5431.0, 5353.0, 5587.0, 5668.0, 5649.0, 5398.0, 5572.0, 5719.0, 5456.0, 5662.0, 5397.0, 5615.0, 5281.0, 5610.0, 5250.0, 5641.0, 5296.0, 5586.0, 5342.0, 5366.0, 5517.0, 5693.0, 5652.0, 5704.0, 5329.0, 5378.0, 5332.0, 5391.0, 5316.0, 5319.0, 5535.0 (number of hits: 13)
14	5530.0	9	1.0	333	1	5437.0, 5321.0, 5498.0, 5313.0, 5503.0, 5376.0, 5622.0, 5286.0, 5367.0, 5586.0, 5668.0, 5632.0, 5422.0, 5442.0, 5688.0, 5490.0, 5411.0, 5444.0, 5504.0, 5666.0, 5430.0, 5281.0, 5635.0, 5310.0, 5412.0, 5256.0, 5459.0, 5414.0, 5661.0, 5252.0, 5619.0, 5350.0, 5421.0, 5541.0, 5263.0, 5419.0, 5360.0, 5534.0, 5383.0, 5311.0, 5624.0, 5470.0, 5538.0, 5655.0, 5274.0, 5542.0, 5587.0, 5441.0, 5623.0, 5662.0, 5601.0, 5575.0, 5409.0, 5268.0, 5536.0, 5618.0, 5565.0, 5346.0, 5597.0, 5643.0, 5530.0, 5402.0, 5264.0, 5436.0, 5384.0, 5382.0, 5693.0, 5428.0, 5463.0, 5712.0, 5330.0, 5716.0, 5705.0, 5585.0, 5520.0, 5425.0, 5652.0, 5387.0, 5604.0, 5653.0, 5519.0, 5462.0, 5544.0, 5299.0, 5398.0, 5568.0, 5696.0, 5673.0, 5361.0, 5564.0, 5369.0, 5591.0, 5674.0, 5258.0, 5272.0, 5579.0, 5599.0, 5340.0, 5532.0, 5663.0 (number of hits: 15)
15	5530.0	9	1.0	333	1	5303.0, 5699.0, 5369.0, 5348.0, 5252.0, 5705.0, 5510.0, 5263.0, 5351.0, 5482.0, 5435.0, 5512.0, 5564.0, 5509.0, 5289.0, 5255.0, 5386.0, 5524.0, 5502.0, 5500.0, 5321.0, 5390.0, 5458.0, 5418.0, 5498.0, 5693.0, 5364.0, 5557.0, 5448.0, 5559.0, 5534.0, 5355.0, 5698.0, 5477.0, 5703.0, 5609.0, 5261.0, 5592.0, 5553.0, 5590.0, 5554.0, 5307.0, 5542.0, 5258.0, 5332.0, 5417.0, 5485.0, 5424.0, 5412.0, 5360.0, 5635.0, 5712.0, 5503.0, 5665.0, 5465.0, 5278.0, 5434.0, 5607.0, 5336.0, 5515.0, 5520.0, 5393.0, 5275.0, 5415.0, 5375.0, 5337.0, 5322.0, 5492.0, 5306.0, 5470.0, 5461.0, 5452.0, 5462.0, 5476.0, 5445.0, 5593.0, 5439.0, 5312.0, 5409.0, 5602.0, 5578.0, 5522.0, 5449.0, 5335.0, 5584.0, 5283.0, 5344.0, 5267.0, 5352.0, 5668.0, 5643.0, 5411.0, 5297.0, 5583.0, 5294.0, 5356.0, 5704.0, 5402.0, 5371.0, 5621.0 (number of hits: 19)
16	5530.0	9	1.0	333	1	5693.0, 5532.0, 5551.0, 5451.0, 5511.0, 5665.0, 5491.0, 5557.0, 5382.0, 5337.0, 5671.0, 5592.0, 5306.0, 5574.0, 5454.0, 5625.0, 5279.0, 5659.0, 5489.0, 5692.0, 5704.0, 5345.0, 5468.0, 5308.0, 5548.0, 5479.0, 5311.0, 5331.0, 5713.0, 5340.0, 5562.0, 5333.0, 5545.0, 5655.0, 5595.0, 5461.0, 5552.0, 5310.0, 5524.0, 5614.0, 5590.0, 5446.0, 5433.0, 5660.0, 5535.0, 5469.0, 5401.0, 5543.0, 5425.0, 5457.0, 5387.0, 5389.0, 5506.0, 5509.0, 5490.0, 5502.0, 5605.0, 5549.0, 5656.0, 5315.0, 5368.0, 5481.0, 5419.0, 5256.0, 5431.0, 5594.0, 5293.0, 5314.0, 5413.0, 5612.0, 5460.0, 5266.0, 5321.0, 5259.0, 5619.0, 5258.0, 5464.0, 5369.0, 5497.0, 5393.0, 5492.0, 5583.0, 5567.0, 5270.0, 5702.0, 5700.0, 5342.0, 5299.0, 5280.0, 5358.0, 5305.0,

						5620.0, 5523.0, 5710.0, 5402.0, 5565.0, 5522.0, 5708.0, 5455.0, 5398.0 (number of hits: 21)
17	5530.0	9	1.0	333	1	5400.0, 5512.0, 5586.0, 5469.0, 5357.0, 5595.0, 5553.0, 5450.0, 5442.0, 5700.0, 5398.0, 5485.0, 5665.0, 5524.0, 5471.0, 5702.0, 5457.0, 5310.0, 5630.0, 5714.0, 5617.0, 5426.0, 5642.0, 5618.0, 5259.0, 5674.0, 5505.0, 5389.0, 5577.0, 5715.0, 5327.0, 5266.0, 5392.0, 5306.0, 5294.0, 5388.0, 5414.0, 5488.0, 5664.0, 5360.0, 5324.0, 5581.0, 5515.0, 5452.0, 5590.0, 5604.0, 5520.0, 5409.0, 5358.0, 5261.0, 5503.0, 5643.0, 5646.0, 5346.0, 5443.0, 5421.0, 5387.0, 5305.0, 5521.0, 5287.0, 5475.0, 5561.0, 5682.0, 5340.0, 5626.0, 5655.0, 5437.0, 5397.0, 5462.0, 5296.0, 5681.0, 5313.0, 5325.0, 5337.0, 5556.0, 5317.0, 5257.0, 5582.0, 5502.0, 5654.0, 5625.0, 5574.0, 5670.0, 5495.0, 5662.0, 5494.0, 5273.0, 5706.0, 5690.0, 5597.0, 5262.0, 5353.0, 5290.0, 5369.0, 5438.0, 5504.0, 5612.0, 5658.0, 5519.0, 5536.0 (number of hits: 16)
18	5530.0	9	1.0	333	1	5490.0, 5377.0, 5599.0, 5669.0, 5631.0, 5432.0, 5520.0, 5511.0, 5390.0, 5252.0, 5547.0, 5501.0, 5464.0, 5429.0, 5312.0, 5372.0, 5391.0, 5629.0, 5297.0, 5433.0, 5594.0, 5401.0, 5453.0, 5253.0, 5282.0, 5619.0, 5529.0, 5635.0, 5435.0, 5507.0, 5707.0, 5532.0, 5370.0, 5597.0, 5504.0, 5421.0, 5477.0, 5650.0, 5633.0, 5455.0, 5539.0, 5264.0, 5523.0, 5263.0, 5448.0, 5508.0, 5342.0, 5327.0, 5359.0, 5661.0, 5600.0, 5621.0, 5354.0, 5255.0, 5428.0, 5652.0, 5666.0, 5649.0, 5309.0, 5566.0, 5515.0, 5624.0, 5673.0, 5709.0, 5307.0, 5446.0, 5259.0, 5381.0, 5506.0, 5409.0, 5703.0, 5572.0, 5651.0, 5271.0, 5257.0, 5473.0, 5692.0, 5272.0, 5461.0, 5364.0, 5603.0, 5402.0, 5714.0, 5715.0, 5614.0, 5482.0, 5294.0, 5349.0, 5705.0, 5470.0, 5450.0, 5285.0, 5295.0, 5525.0, 5321.0, 5617.0, 5251.0, 5298.0, 5627.0, 5351.0 (number of hits: 15)
19	5530.0	9	1.0	333	1	5607.0, 5336.0, 5442.0, 5599.0, 5567.0, 5645.0, 5594.0, 5560.0, 5449.0, 5444.0, 5544.0, 5327.0, 5453.0, 5546.0, 5384.0, 5360.0, 5319.0, 5471.0, 5629.0, 5647.0, 5540.0, 5308.0, 5535.0, 5287.0, 5259.0, 5304.0, 5416.0, 5424.0, 5343.0, 5265.0, 5463.0, 5620.0, 5631.0, 5551.0, 5413.0, 5477.0, 5503.0, 5428.0, 5537.0, 5492.0, 5602.0, 5673.0, 5579.0, 5306.0, 5657.0, 5407.0, 5365.0, 5482.0, 5688.0, 5660.0, 5411.0, 5693.0, 5654.0, 5596.0, 5314.0, 5358.0, 5299.0, 5375.0, 5694.0, 5615.0, 5397.0, 5592.0, 5502.0, 5613.0, 5252.0, 5376.0, 5626.0, 5330.0, 5409.0, 5257.0, 5573.0, 5656.0, 5716.0, 5704.0, 5493.0, 5639.0, 5721.0, 5479.0, 5523.0, 5450.0, 5466.0, 5473.0, 5518.0, 5571.0, 5562.0, 5577.0, 5498.0, 5326.0, 5280.0, 5495.0, 5510.0, 5352.0, 5718.0, 5323.0, 5440.0, 5512.0, 5580.0, 5276.0, 5649.0, 5519.0 (number of hits: 20)
20	5530.0	9	1.0	333	1	5278.0, 5402.0, 5674.0, 5299.0, 5381.0, 5599.0, 5479.0, 5722.0, 5281.0, 5657.0, 5325.0, 5441.0, 5350.0, 5276.0, 5619.0, 5559.0, 5696.0, 5581.0, 5250.0, 5327.0, 5527.0, 5274.0, 5556.0, 5260.0, 5445.0, 5369.0, 5512.0, 5444.0, 5339.0, 5311.0, 5675.0, 5699.0, 5452.0, 5643.0, 5308.0, 5590.0, 5310.0, 5659.0, 5284.0, 5480.0, 5368.0, 5266.0, 5678.0, 5478.0, 5583.0, 5598.0, 5360.0, 5386.0, 5433.0, 5341.0, 5582.0, 5291.0, 5314.0, 5399.0, 5723.0, 5586.0, 5440.0, 5469.0, 5679.0, 5600.0, 5709.0, 5576.0, 5356.0, 5482.0, 5695.0, 5431.0, 5494.0, 5355.0, 5375.0, 5568.0, 5655.0, 5488.0, 5522.0, 5688.0, 5483.0, 5466.0, 5450.0, 5419.0, 5297.0, 5602.0, 5615.0, 5532.0, 5398.0, 5683.0, 5627.0, 5394.0, 5267.0, 5506.0, 5650.0, 5632.0, 5306.0, 5516.0, 5614.0, 5301.0, 5580.0, 5477.0, 5330.0, 5717.0,

						5409.0, 5631.0 (number of hits: 9)
21	5530.0	9	1.0	333	1	5490.0, 5668.0, 5466.0, 5633.0, 5552.0, 5263.0, 5640.0, 5279.0, 5698.0, 5515.0, 5488.0, 5532.0, 5343.0, 5360.0, 5659.0, 5662.0, 5660.0, 5461.0, 5347.0, 5477.0, 5446.0, 5350.0, 5586.0, 5412.0, 5672.0, 5406.0, 5439.0, 5644.0, 5419.0, 5484.0, 5434.0, 5706.0, 5663.0, 5498.0, 5281.0, 5549.0, 5575.0, 5462.0, 5394.0, 5550.0, 5299.0, 5407.0, 5341.0, 5639.0, 5480.0, 5326.0, 5445.0, 5648.0, 5521.0, 5398.0, 5269.0, 5699.0, 5630.0, 5568.0, 5280.0, 5399.0, 5647.0, 5330.0, 5414.0, 5715.0, 5525.0, 5666.0, 5424.0, 5386.0, 5286.0, 5667.0, 5583.0, 5608.0, 5627.0, 5327.0, 5320.0, 5689.0, 5415.0, 5459.0, 5542.0, 5432.0, 5611.0, 5655.0, 5621.0, 5577.0, 5516.0, 5451.0, 5431.0, 5365.0, 5624.0, 5489.0, 5306.0, 5612.0, 5375.0, 5566.0, 5693.0, 5319.0, 5485.0, 5501.0, 5344.0, 5545.0, 5563.0, 5474.0, 5250.0, 5324.0 (number of hits: 14)
22	5530.0	9	1.0	333	1	5512.0, 5478.0, 5468.0, 5440.0, 5261.0, 5535.0, 5258.0, 5349.0, 5331.0, 5425.0, 5329.0, 5554.0, 5594.0, 5715.0, 5714.0, 5318.0, 5304.0, 5386.0, 5418.0, 5346.0, 5705.0, 5274.0, 5397.0, 5332.0, 5437.0, 5679.0, 5606.0, 5540.0, 5531.0, 5466.0, 5579.0, 5413.0, 5419.0, 5513.0, 5565.0, 5471.0, 5489.0, 5664.0, 5387.0, 5504.0, 5516.0, 5549.0, 5716.0, 5615.0, 5634.0, 5604.0, 5670.0, 5661.0, 5476.0, 5498.0, 5278.0, 5558.0, 5427.0, 5369.0, 5453.0, 5575.0, 5347.0, 5312.0, 5672.0, 5695.0, 5383.0, 5652.0, 5281.0, 5616.0, 5550.0, 5483.0, 5528.0, 5385.0, 5319.0, 5441.0, 5337.0, 5662.0, 5525.0, 5405.0, 5614.0, 5561.0, 5593.0, 5292.0, 5618.0, 5280.0, 5462.0, 5348.0, 5422.0, 5501.0, 5424.0, 5630.0, 5686.0, 5556.0, 5434.0, 5678.0, 5317.0, 5573.0, 5284.0, 5283.0, 5254.0, 5452.0, 5338.0, 5472.0, 5352.0, 5450.0 (number of hits: 18)
23	5530.0	9	1.0	333	1	5628.0, 5689.0, 5354.0, 5721.0, 5614.0, 5495.0, 5546.0, 5489.0, 5477.0, 5566.0, 5303.0, 5349.0, 5585.0, 5476.0, 5482.0, 5601.0, 5312.0, 5292.0, 5642.0, 5440.0, 5625.0, 5473.0, 5680.0, 5561.0, 5623.0, 5608.0, 5607.0, 5697.0, 5330.0, 5629.0, 5659.0, 5375.0, 5592.0, 5576.0, 5410.0, 5690.0, 5374.0, 5493.0, 5310.0, 5604.0, 5443.0, 5305.0, 5451.0, 5314.0, 5290.0, 5447.0, 5595.0, 5367.0, 5565.0, 5277.0, 5510.0, 5435.0, 5282.0, 5315.0, 5502.0, 5345.0, 5539.0, 5506.0, 5709.0, 5653.0, 5265.0, 5378.0, 5575.0, 5382.0, 5390.0, 5537.0, 5350.0, 5600.0, 5304.0, 5419.0, 5598.0, 5657.0, 5677.0, 5531.0, 5479.0, 5393.0, 5297.0, 5270.0, 5324.0, 5499.0, 5707.0, 5428.0, 5695.0, 5540.0, 5544.0, 5366.0, 5527.0, 5530.0, 5550.0, 5597.0, 5368.0, 5535.0, 5439.0, 5437.0, 5716.0, 5363.0, 5463.0, 5340.0, 5710.0, 5634.0 (number of hits: 19)
24	5530.0	9	1.0	333	1	5309.0, 5690.0, 5586.0, 5295.0, 5399.0, 5323.0, 5312.0, 5556.0, 5340.0, 5376.0, 5486.0, 5500.0, 5290.0, 5413.0, 5565.0, 5441.0, 5616.0, 5342.0, 5615.0, 5567.0, 5609.0, 5533.0, 5268.0, 5537.0, 5688.0, 5508.0, 5390.0, 5389.0, 5654.0, 5263.0, 5250.0, 5273.0, 5264.0, 5450.0, 5335.0, 5321.0, 5257.0, 5495.0, 5649.0, 5336.0, 5697.0, 5394.0, 5456.0, 5554.0, 5438.0, 5338.0, 5351.0, 5260.0, 5511.0, 5307.0, 5516.0, 5435.0, 5300.0, 5695.0, 5564.0, 5387.0, 5570.0, 5391.0, 5642.0, 5352.0, 5704.0, 5266.0, 5529.0, 5332.0, 5302.0, 5411.0, 5407.0, 5443.0, 5718.0, 5258.0, 5682.0, 5386.0, 5582.0, 5339.0, 5496.0, 5561.0, 5466.0, 5625.0, 5333.0, 5530.0, 5313.0, 5621.0, 5691.0, 5489.0, 5674.0, 5557.0, 5507.0, 5429.0, 5675.0, 5446.0, 5378.0, 5679.0, 5539.0, 5305.0, 5667.0, 5699.0, 5693.0, 5651.0, 5325.0, 5542.0 (number of hits: 20)

25	5530.0	9	1.0	333	1	5577.0, 5496.0, 5262.0, 5685.0, 5650.0, 5663.0, 5475.0, 5341.0, 5627.0, 5639.0, 5436.0, 5337.0, 5275.0, 5425.0, 5560.0, 5300.0, 5585.0, 5263.0, 5311.0, 5678.0, 5433.0, 5518.0, 5574.0, 5565.0, 5489.0, 5348.0, 5512.0, 5332.0, 5392.0, 5295.0, 5523.0, 5471.0, 5640.0, 5357.0, 5462.0, 5448.0, 5445.0, 5428.0, 5418.0, 5318.0, 5710.0, 5326.0, 5681.0, 5473.0, 5507.0, 5303.0, 5285.0, 5699.0, 5459.0, 5331.0, 5654.0, 5668.0, 5700.0, 5333.0, 5505.0, 5470.0, 5325.0, 5704.0, 5420.0, 5261.0, 5494.0, 5544.0, 5287.0, 5531.0, 5630.0, 5546.0, 5250.0, 5617.0, 5380.0, 5421.0, 5673.0, 5666.0, 5524.0, 5548.0, 5296.0, 5682.0, 5329.0, 5643.0, 5567.0, 5516.0, 5549.0, 5611.0, 5677.0, 5396.0, 5468.0, 5345.0, 5256.0, 5402.0, 5572.0, 5511.0, 5644.0, 5409.0, 5552.0, 5328.0, 5266.0, 5695.0, 5404.0, 5490.0, 5484.0, 5373.0 (number of hits: 19)
26	5530.0	9	1.0	333	1	5420.0, 5289.0, 5291.0, 5559.0, 5550.0, 5687.0, 5552.0, 5530.0, 5463.0, 5500.0, 5267.0, 5419.0, 5297.0, 5449.0, 5424.0, 5555.0, 5476.0, 5258.0, 5544.0, 5338.0, 5284.0, 5282.0, 5440.0, 5624.0, 5649.0, 5702.0, 5479.0, 5383.0, 5584.0, 5645.0, 5305.0, 5423.0, 5608.0, 5281.0, 5374.0, 5591.0, 5469.0, 5276.0, 5670.0, 5375.0, 5362.0, 5573.0, 5614.0, 5676.0, 5313.0, 5303.0, 5486.0, 5667.0, 5263.0, 5536.0, 5290.0, 5384.0, 5357.0, 5643.0, 5679.0, 5582.0, 5390.0, 5330.0, 5521.0, 5275.0, 5403.0, 5597.0, 5706.0, 5399.0, 5331.0, 5468.0, 5473.0, 5294.0, 5279.0, 5373.0, 5551.0, 5321.0, 5299.0, 5309.0, 5455.0, 5266.0, 5658.0, 5517.0, 5538.0, 5415.0, 5674.0, 5407.0, 5347.0, 5269.0, 5274.0, 5712.0, 5509.0, 5522.0, 5619.0, 5549.0, 5322.0, 5686.0, 5302.0, 5629.0, 5340.0, 5483.0, 5467.0, 5514.0, 5300.0, 5583.0 (number of hits: 16)
27	5530.0	9	1.0	333	1	5336.0, 5321.0, 5432.0, 5516.0, 5486.0, 5309.0, 5585.0, 5635.0, 5716.0, 5473.0, 5519.0, 5636.0, 5361.0, 5565.0, 5320.0, 5354.0, 5381.0, 5349.0, 5355.0, 5496.0, 5696.0, 5604.0, 5592.0, 5420.0, 5252.0, 5547.0, 5662.0, 5279.0, 5655.0, 5388.0, 5439.0, 5255.0, 5724.0, 5530.0, 5317.0, 5526.0, 5293.0, 5461.0, 5347.0, 5638.0, 5607.0, 5356.0, 5492.0, 5441.0, 5576.0, 5368.0, 5632.0, 5394.0, 5304.0, 5682.0, 5579.0, 5433.0, 5305.0, 5572.0, 5284.0, 5673.0, 5674.0, 5269.0, 5264.0, 5299.0, 5709.0, 5263.0, 5331.0, 5325.0, 5330.0, 5467.0, 5307.0, 5448.0, 5257.0, 5665.0, 5679.0, 5586.0, 5380.0, 5687.0, 5537.0, 5621.0, 5334.0, 5600.0, 5427.0, 5589.0, 5649.0, 5595.0, 5352.0, 5611.0, 5545.0, 5497.0, 5451.0, 5389.0, 5640.0, 5619.0, 5667.0, 5428.0, 5558.0, 5527.0, 5378.0, 5392.0, 5581.0, 5256.0, 5563.0, 5351.0 (number of hits: 14)
28	5530.0	9	1.0	333	1	5594.0, 5678.0, 5431.0, 5702.0, 5630.0, 5279.0, 5394.0, 5494.0, 5437.0, 5266.0, 5389.0, 5615.0, 5559.0, 5686.0, 5430.0, 5300.0, 5288.0, 5425.0, 5464.0, 5455.0, 5698.0, 5662.0, 5675.0, 5377.0, 5404.0, 5501.0, 5303.0, 5312.0, 5320.0, 5280.0, 5307.0, 5690.0, 5714.0, 5718.0, 5693.0, 5620.0, 5461.0, 5333.0, 5572.0, 5608.0, 5354.0, 5407.0, 5526.0, 5528.0, 5459.0, 5409.0, 5257.0, 5391.0, 5587.0, 5589.0, 5436.0, 5596.0, 5460.0, 5537.0, 5390.0, 5545.0, 5633.0, 5574.0, 5517.0, 5642.0, 5335.0, 5325.0, 5346.0, 5544.0, 5663.0, 5676.0, 5423.0, 5365.0, 5551.0, 5356.0, 5590.0, 5692.0, 5532.0, 5603.0, 5708.0, 5414.0, 5339.0, 5571.0, 5289.0, 5361.0, 5570.0, 5426.0, 5609.0, 5515.0, 5283.0, 5674.0, 5309.0, 5343.0, 5336.0, 5305.0, 5380.0, 5629.0, 5631.0, 5321.0, 5427.0, 5265.0, 5563.0, 5668.0, 5348.0, 5606.0 (number of hits: 13)
29	5530.0	9	1.0	333	1	5624.0, 5531.0, 5315.0, 5548.0, 5508.0, 5543.0, 5478.0,

						5434.0, 5521.0, 5366.0, 5586.0, 5341.0, 5512.0, 5289.0, 5563.0, 5368.0, 5500.0, 5280.0, 5332.0, 5669.0, 5320.0, 5606.0, 5329.0, 5412.0, 5638.0, 5530.0, 5547.0, 5317.0, 5252.0, 5333.0, 5272.0, 5656.0, 5411.0, 5390.0, 5724.0, 5485.0, 5612.0, 5321.0, 5618.0, 5538.0, 5561.0, 5286.0, 5433.0, 5330.0, 5533.0, 5367.0, 5635.0, 5483.0, 5355.0, 5621.0, 5453.0, 5397.0, 5575.0, 5717.0, 5322.0, 5475.0, 5351.0, 5408.0, 5468.0, 5535.0, 5295.0, 5499.0, 5447.0, 5528.0, 5371.0, 5690.0, 5383.0, 5287.0, 5254.0, 5622.0, 5565.0, 5372.0, 5492.0, 5347.0, 5394.0, 5481.0, 5667.0, 5692.0, 5676.0, 5525.0, 5451.0, 5389.0, 5387.0, 5285.0, 5467.0, 5712.0, 5609.0, 5318.0, 5701.0, 5284.0, 5655.0, 5443.0, 5695.0, 5382.0, 5662.0, 5360.0, 5469.0, 5617.0, 5670.0, 5628.0 (number of hits: 19)
30	5530.0	9	1.0	333	1	5522.0, 5412.0, 5662.0, 5393.0, 5390.0, 5381.0, 5665.0, 5335.0, 5485.0, 5293.0, 5343.0, 5431.0, 5495.0, 5346.0, 5371.0, 5438.0, 5279.0, 5398.0, 5702.0, 5505.0, 5583.0, 5360.0, 5625.0, 5433.0, 5674.0, 5320.0, 5715.0, 5492.0, 5604.0, 5540.0, 5369.0, 5692.0, 5547.0, 5491.0, 5536.0, 5538.0, 5401.0, 5352.0, 5709.0, 5358.0, 5649.0, 5686.0, 5410.0, 5712.0, 5572.0, 5633.0, 5574.0, 5486.0, 5402.0, 5414.0, 5290.0, 5481.0, 5557.0, 5510.0, 5453.0, 5365.0, 5718.0, 5668.0, 5666.0, 5309.0, 5679.0, 5256.0, 5608.0, 5675.0, 5621.0, 5710.0, 5716.0, 5284.0, 5298.0, 5656.0, 5266.0, 5363.0, 5641.0, 5690.0, 5472.0, 5617.0, 5424.0, 5316.0, 5341.0, 5286.0, 5511.0, 5313.0, 5580.0, 5494.0, 5303.0, 5454.0, 5354.0, 5582.0, 5534.0, 5632.0, 5556.0, 5463.0, 5598.0, 5252.0, 5403.0, 5695.0, 5606.0, 5443.0, 5537.0, 5700.0 (number of hits: 15)

Client Mode
Cobalt Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	88.3%	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	62	1.0	858	1
2	95	1.0	558	1
3	92	1.0	578	1
4	72	1.0	738	1
5	102	1.0	518	1
6	86	1.0	618	1
7	70	1.0	758	1
8	59	1.0	898	1
9	57	1.0	938	1
10	58	1.0	918	1
11	83	1.0	638	1
12	65	1.0	818	1
13	68	1.0	778	0
14	67	1.0	798	1
15	99	1.0	538	1
16	20	1.0	2666	1
17	24	1.0	2219	1
18	23	1.0	2364	1
19	99	1.0	535	1
20	18	1.0	2966	1
21	21	1.0	2596	1
22	25	1.0	2150	1
23	20	1.0	2777	1
24	41	1.0	1316	1
25	44	1.0	1201	0
26	51	1.0	1039	1
27	72	1.0	741	1
28	37	1.0	1437	1
29	25	1.0	2117	1
30	23	1.0	2390	1
Detection Percentage: 93.3% (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	4.5	197	1
2	26	1.9	209	0
3	23	2.6	226	0
4	29	3.2	186	1
5	28	3.7	218	1
6	29	1.7	202	1
7	23	1.3	178	1
8	28	4.3	169	1
9	23	2.8	198	1
10	29	4.7	191	1
11	26	4.3	159	1
12	26	4.1	199	1
13	27	1.8	211	1
14	29	1.4	188	1
15	24	2.8	154	1
16	26	4.8	155	1
17	25	1.1	202	1
18	29	4.0	215	1
19	25	4.9	227	1
20	29	4.8	220	1
21	28	3.8	210	0
22	29	4.5	164	1
23	26	1.6	178	1
24	25	1.2	190	1
25	26	4.4	179	1
26	29	1.3	220	1
27	26	2.9	177	1
28	28	2.3	193	1
29	26	4.5	152	1
30	29	5.0	219	1
Detection Percentage: 90 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	9.4	460	0
2	17	8.3	441	1
3	18	7.0	330	1
4	18	7.2	426	1
5	17	8.8	410	1
6	17	7.8	216	1
7	16	7.9	302	1
8	17	8.7	400	1
9	16	6.2	267	1
10	16	9.8	356	1
11	17	9.0	271	1
12	16	6.0	391	1
13	17	9.8	276	1
14	18	9.6	477	1
15	18	6.4	403	1
16	17	7.6	359	1
17	17	7.5	366	1
18	18	6.5	332	1
19	17	8.7	481	0
20	16	9.4	204	1
21	17	6.8	392	0
22	17	9.8	223	1
23	18	8.9	424	1
24	16	6.2	434	1
25	17	7.8	240	0
26	16	9.8	368	1
27	17	8.3	397	1
28	18	7.4	327	1
29	18	8.3	494	1
30	17	8.4	214	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	15.9	364	1
2	16	20.0	312	1
3	12	12.7	346	0
4	16	13.0	320	1
5	12	18.3	246	1
6	15	14.3	240	1
7	12	13.7	319	0
8	12	19.5	216	1
9	16	19.5	305	1
10	16	11.6	334	1
11	16	18.8	369	1
12	14	17.2	252	1
13	15	14.4	383	1
14	15	18.2	386	0
15	16	12.2	474	1
16	15	11.8	304	1
17	15	19.5	493	1
18	16	16.8	452	1
19	13	18.7	296	1
20	14	19.5	271	0
21	15	13.6	390	1
22	14	11.2	307	0
23	14	15.0	329	1
24	12	16.0	399	1
25	14	19.4	298	1
26	12	12.2	271	1
27	16	13.3	405	1
28	14	17.5	469	1
29	16	19.4	343	1
30	16	12.6	414	1
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5496.4	1
12	5498.4	1
13	5496.4	1
14	5494.0	1
15	5495.6	1
16	5496.4	1
17	5495.2	1
18	5497.2	1
19	5497.2	1
20	5499.6	1
21	5505.2	1
22	5505.6	1
23	5505.6	1
24	5502.0	1
25	5501.2	1
26	5503.2	1
27	5504.4	1
28	5501.6	1
29	5504.8	1
30	5504.8	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	87.6			0.911976	1
1	1	13	68.1			1.239778	
2	2	13	56.0	1464		2.925470	
3	3	13	90.6	1668	1479	3.908304	
4	2	13	78.4	1510		4.026310	
5	2	13	89.8	1707		5.727308	
6	2	13	78.1	1236		6.448324	
7	2	13	94.5	1445		7.139278	
8	2	13	98.6	1708		8.560863	
9	2	13	71.1	1346		9.788778	
10	3	13	86.1	1933	1502	10.289564	
11	2	13	78.3	1522		11.638038	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	54.1	1628		0.192752	1
1	1	6	92.9			1.171056	
2	1	6	79.2			1.219652	
3	1	6	61.6			2.069156	
4	2	6	72.8	1862		2.732860	
5	2	6	75.7	1971		3.554531	
6	2	6	55.0	1851		3.848865	
7	2	6	64.1	1510		4.306302	
8	1	6	54.6			4.946657	
9	2	6	54.9	1159		5.909078	
10	2	6	59.2	1995		6.218321	
11	2	6	72.6	1377		6.879586	
12	1	6	98.1			7.763641	
13	1	6	80.8			8.341407	
14	2	6	63.2	1499		8.914252	
15	2	6	51.9	1308		9.278315	
16	2	6	50.1	1220		9.880755	
17	2	6	89.1	1941		10.430629	
18	3	6	57.0	1990	1486	10.925634	
19	2	6	59.3	1890		11.517601	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	77.8			0.913974	1
1	1	7	59.9			1.286754	
2	2	7	58.2	1995		2.137796	
3	2	7	71.6	1003		3.263748	
4	2	7	65.7	1457		4.411708	
5	2	7	85.6	1327		5.976431	
6	2	7	97.1	1049		6.951551	
7	1	7	76.3			7.044568	
8	2	7	72.2	1724		8.306329	
9	1	7	84.5			9.182417	
10	2	7	71.6	1760		10.798252	
11	1	7	61.5			11.192331	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	62.6	1443		1.068849	1
1	3	7	74.6	1073	1068	1.987395	
2	2	7	90.7	1037		4.016981	
3	2	7	88.6	1616		5.631116	
4	1	7	55.6			7.284853	
5	2	7	62.5	1175		8.636941	
6	1	7	59.7			9.990440	
7	3	7	65.2	1221	1897	11.732420	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	78.1	1555		1.054167	
1	2	10	86.8	1970		1.638054	
2	2	10	54.1	1676		2.649031	
3	1	10	71.8			3.659429	
4	2	10	66.6	1714		4.376276	
5	1	10	74.4			6.246489	1
6	1	10	53.3			7.187256	
7	2	10	53.2	1492		7.781227	
8	2	10	76.6	1797		9.363427	
9	1	10	99.5			10.521299	
10	2	10	90.9	1987		11.853928	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	85.2	1401	1633	0.124903	
1	2	11	73.6	1151		1.210687	
2	1	11	61.4			2.163824	
3	2	11	64.9	1416		3.404123	
4	2	11	95.8	1446		3.831284	
5	2	11	92.6	1690		5.231195	
6	1	11	67.3			6.401019	1
7	3	11	58.1	1934	1309	7.221004	
8	1	11	60.7			7.877103	
9	1	11	60.6			8.655961	
10	2	11	79.2	1964		9.494777	
11	3	11	87.5	1759	1594	10.542169	
12	3	11	94.8	1573	1148	11.138931	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	91.5	1080	1050	0.141809	1
1	1	10	63.4			1.329232	
2	3	10	87.3	1125	1509	1.524367	
3	2	10	89.3	1381		2.207250	
4	3	10	54.2	1937	1562	2.770440	
5	3	10	94.8	1387	1599	3.430324	
6	2	10	98.6	1318		4.535117	
7	1	10	55.4			4.779371	
8	1	10	91.3			5.390061	
9	1	10	57.3			6.071266	
10	3	10	76.6	1508	1083	6.873701	
11	2	10	79.3	1581		7.512971	
12	3	10	71.0	1089	1793	8.565109	
13	2	10	72.8	1871		9.211038	
14	3	10	98.1	1247	1711	9.333766	
15	2	10	67.4	1707		10.585875	
16	2	10	98.9	1341		10.796787	
17	3	10	82.4	1805	1795	11.721888	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	65.4	1020		0.087098	
1	2	6	57.1	1512		0.679609	
2	2	6	81.2	1966		1.604088	
3	2	6	75.7	1636		1.994761	
4	2	6	76.4	1366		2.993155	
5	2	6	56.6	1712		3.693149	
6	2	6	86.4	1964		3.975900	
7	1	6	90.5			5.018664	
8	2	6	95.8	1686		5.644347	
9	3	6	87.1	1163	1574	5.755430	1
10	2	6	69.6	1467		6.853217	
11	3	6	81.2	1763	1571	7.535740	
12	1	6	60.4			8.063228	
13	3	6	95.4	1159	1042	8.383315	
14	2	6	87.6	1037		9.316277	
15	2	6	84.3	1909		9.980375	
16	3	6	56.6	1128	1908	10.107744	
17	2	6	53.3	1173		11.062205	
18	1	6	83.1			11.857733	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	75.2	1916		0.699924	1
1	1	12	55.2			0.761848	
2	3	12	72.8	1821	1510	1.844303	
3	1	12	69.4			2.740636	
4	1	12	56.2			3.130218	
5	3	12	79.6	1311	1272	4.027540	
6	2	12	85.7	1265		4.777874	
7	3	12	62.4	1951	1567	5.047678	
8	1	12	73.6			5.963804	
9	1	12	79.9			6.966762	
10	2	12	60.0	1371		7.721307	
11	2	12	91.8	1250		8.354959	
12	2	12	95.0	1845		8.815754	
13	2	12	68.7	1761		9.725503	
14	3	12	50.5	1285	1751	10.512239	
15	1	12	88.6			10.835509	
16	3	12	80.0	1190	1789	11.620789	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	66.5	1843		0.551806	1
1	2	13	67.7	1342		1.656014	
2	1	13	55.1			4.461590	
3	1	13	81.4			5.441825	
4	1	13	71.7			6.804139	
5	2	13	55.9	1051		8.918339	
6	2	13	75.2	1625		10.162802	
7	3	13	53.9	1616	1359	11.711727	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	84.1			0.340457	1
1	1	11	74.9			1.282486	
2	1	11	56.7			2.376887	
3	1	11	55.2			3.026659	
4	1	11	90.7			4.970500	
5	3	11	50.5	1947	1263	5.546844	
6	1	11	94.2			6.414739	
7	2	11	53.1	1361		7.947342	
8	1	11	87.7			8.424902	
9	2	11	54.9	1394		9.986076	
10	2	11	81.2	1532		10.746619	
11	3	11	65.4	1117	1115	11.895929	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	51.1	1042		0.119648	1
1	1	16	66.3			1.059136	
2	2	16	54.7	1438		1.816120	
3	1	16	96.4			2.156655	
4	3	16	53.4	1866	1535	2.942442	
5	2	16	87.0	1047		4.126404	
6	2	16	95.1	1288		4.301284	
7	2	16	76.0	1984		5.404719	
8	3	16	72.5	1113	1687	6.304530	
9	3	16	91.2	1975	1842	6.558186	
10	2	16	66.9	1393		7.211807	
11	1	16	74.1			7.929035	
12	3	16	64.6	1995	1120	8.718208	
13	2	16	81.6	1326		9.451737	
14	2	16	75.1	1274		10.171632	
15	1	16	75.9			10.664535	
16	3	16	67.5	1545	1737	11.400658	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	97.7	1515		0.220994	
1	3	11	77.6	1337	1836	0.779358	
2	1	11	78.5			1.817012	
3	3	11	84.4	1056	1545	2.781854	
4	2	11	58.6	1609		3.470921	
5	2	11	77.5	1484		3.974035	
6	2	11	85.5	1361		5.225190	
7	2	11	71.5	1726		5.950328	
8	2	11	90.1	1112		6.076122	1
9	2	11	66.4	1489		7.492204	
10	2	11	59.3	1331		7.702643	
11	1	11	76.9			8.506711	
12	2	11	60.2	1636		9.100923	
13	3	11	69.5	1650	1089	10.303148	
14	2	11	79.1	1907		10.999661	
15	2	11	86.6	1450		11.272413	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	65.6	1497		0.768365	
1	2	5	76.3	1011		1.653658	
2	2	5	52.0	1048		2.647539	
3	3	5	64.6	1380	1344	3.795699	
4	2	5	98.8	1143		5.296679	
5	3	5	98.6	1416	1871	6.319655	1
6	3	5	79.1	1243	1923	7.830893	
7	3	5	60.4	1203	1408	8.872236	
8	2	5	60.1	1078		10.619941	
9	1	5	92.8			11.953494	

Bin5 Statistic 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	99.1	1820		1.045176	1
1	3	9	55.7	1817	1892	1.318143	
2	3	9	85.8	1761	1670	2.362765	
3	2	9	72.2	1339		3.899155	
4	2	9	52.4	1681		5.040267	
5	1	9	96.9			6.505714	
6	3	9	78.9	1481	1752	6.655925	
7	1	9	64.6			8.541752	
8	2	9	91.8	1789		9.752349	
9	3	9	86.5	1829	1051	10.176910	
10	2	9	75.6	1062		10.999010	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	68.6	1106	1210	0.752201	1
1	2	11	79.5	1176		1.466262	
2	2	11	65.5	1032		2.521274	
3	1	11	62.1			2.937491	
4	2	11	96.1	1979		3.965304	
5	2	11	50.7	1193		4.599914	
6	2	11	85.8	1537		5.484569	
7	1	11	74.1			6.503282	
8	1	11	91.2			7.636831	
9	3	11	50.4	1571	1950	7.801405	
10	1	11	90.4			9.277471	
11	2	11	52.0	1395		9.911926	
12	1	11	67.7			10.813885	
13	2	11	79.0	1602		11.848978	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	60.3	1841		0.686651	1
1	2	8	99.1	1220		1.840573	
2	3	8	83.8	1707	1670	2.192438	
3	1	8	98.8			3.307694	
4	3	8	60.6	1427	1230	4.935147	
5	2	8	59.3	1612		5.761906	
6	2	8	96.9	1351		6.811071	
7	2	8	50.6	1082		7.242140	
8	1	8	52.8			8.905420	
9	3	8	90.8	1256	1188	9.491332	
10	2	8	72.9	1295		10.048447	
11	2	8	96.3	1862		11.880536	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	68.2			0.630550	1
1	2	13	72.0	1735		1.308420	
2	2	13	50.1	1279		1.639351	
3	2	13	85.0	1191		2.673328	
4	1	13	62.0			3.105267	
5	2	13	86.9	1092		4.311763	
6	1	13	70.6			5.101652	
7	2	13	52.7	1745		5.769842	
8	1	13	59.6			6.575980	
9	2	13	98.6	1941		7.067976	
10	1	13	80.3			7.657477	
11	3	13	59.6	1026	1321	8.841408	
12	2	13	64.9	1720		9.020294	
13	2	13	66.1	1238		9.937395	
14	1	13	51.9			10.628554	
15	2	13	54.8	1297		11.253265	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	83.9	1084		0.293020	
1	2	13	68.0	1166		1.004155	
2	3	13	67.5	1747	1847	1.997029	
3	2	13	93.5	1285		2.512265	
4	3	13	60.6	1600	1089	3.447841	
5	2	13	55.0	1521		4.092577	
6	3	13	87.7	1386	1452	4.893546	
7	2	13	95.1	1285		5.468664	
8	2	13	81.7	1714		5.990763	1
9	1	13	82.9			7.040386	
10	2	13	97.4	1516		7.617810	
11	1	13	73.2			8.015426	
12	2	13	89.4	1590		8.783543	
13	2	13	94.9	1822		9.630569	
14	1	13	74.6			10.563535	
15	1	13	54.2			10.799547	
16	2	13	84.3	1884		11.706719	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	65.7	1112	1103	0.386498	
1	1	19	81.3			1.242189	
2	2	19	82.3	1888		1.900179	
3	2	19	81.5	1290		2.762902	
4	1	19	53.1			2.991715	
5	2	19	78.4	1915		4.022717	
6	3	19	90.2	1027	1737	4.298970	
7	3	19	75.1	1776	1369	5.536486	
8	2	19	95.7	1144		6.279443	1
9	2	19	97.8	1406		6.989500	
10	3	19	87.1	1557	1288	7.160924	
11	1	19	56.6			8.025187	
12	1	19	59.6			8.702475	
13	2	19	65.5	1138		9.312707	
14	2	19	77.7	1961		10.575706	
15	3	19	50.0	1371	1887	11.084558	
16	1	19	59.2			11.981721	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	89.0	1718		0.388317	
1	1	7	77.3			1.372259	
2	1	7	91.8			1.849999	
3	3	7	67.3	1065	1202	2.623868	
4	3	7	82.2	1770	1187	3.009879	
5	1	7	100.0			3.880646	
6	2	7	96.8	1901		4.426840	
7	1	7	81.8			5.386077	
8	1	7	57.7			6.114960	1
9	2	7	52.6	1300		6.415353	
10	2	7	80.1	1980		7.442876	
11	2	7	51.7	1734		8.324440	
12	3	7	73.3	1964	1741	9.024422	
13	2	7	98.4	1475		9.466867	
14	2	7	53.3	1889		10.182541	
15	3	7	53.9	1748	1782	11.179103	
16	2	7	91.5	1303		11.841602	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	98.1	1939		0.362740	
1	1	6	96.5			1.091493	
2	3	6	89.7	1561	1315	1.851179	
3	3	6	82.4	1864	1630	2.182856	
4	2	6	79.3	1308		3.103792	
5	3	6	60.7	1919	1508	3.233518	
6	3	6	81.0	1713	1689	4.017487	
7	2	6	61.5	1468		4.839440	
8	1	6	55.4			5.567540	
9	2	6	76.7	1090		6.139789	1
10	2	6	64.2	1499		6.656967	
11	3	6	89.4	1644	1736	7.516246	
12	3	6	65.2	1434	1921	7.888031	
13	2	6	92.4	1344		8.526694	
14	2	6	73.7	1618		9.177843	
15	2	6	73.8	1517		10.091580	
16	1	6	66.0			10.341865	
17	3	6	63.7	1086	1194	11.183300	
18	3	6	85.8	1821	1128	11.887562	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	94.4	1941		0.501872	
1	3	6	73.0	1659	1129	1.113846	
2	2	6	56.8	1960		2.238851	
3	3	6	56.8	1286	1519	3.642697	
4	3	6	78.1	1298	1706	5.092051	
5	2	6	96.3	1463		6.145921	1
6	1	6	62.0			7.092136	
7	2	6	63.8	1225		8.357568	
8	3	6	67.2	1195	1576	9.376390	
9	1	6	87.0			10.664673	
10	2	6	81.0	1640		10.940501	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	76.9	1498	1412	0.407541	1
1	2	15	76.9	1451		1.227597	
2	2	15	71.5	1709		2.170942	
3	3	15	90.0	1215	1532	3.503043	
4	1	15	76.5			4.443980	
5	2	15	74.0	1340		4.749182	
6	1	15	72.6			6.427920	
7	2	15	95.7	1739		7.231628	
8	3	15	89.8	1159	1380	8.102610	
9	2	15	51.5	1392		8.371613	
10	2	15	51.1	1914		9.952558	
11	1	15	53.6			10.953627	
12	3	15	96.9	1131	1476	11.093980	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	82.7	1428		0.585484	0
1	3	17	78.9	1952	1132	1.057306	
2	3	17	69.7	1573	1718	1.858270	
3	2	17	73.0	1485		2.450469	
4	2	17	83.2	1097		3.002167	
5	1	17	59.5			3.772132	
6	1	17	79.8			4.183009	
7	1	17	85.1			5.185531	
8	1	17	75.1			5.730464	
9	2	17	87.1	1825		6.322944	
10	3	17	85.9	1898	1478	6.841405	
11	2	17	51.6	1954		7.833948	
12	3	17	71.2	1494	1430	8.306442	
13	2	17	80.0	1949		9.021505	
14	2	17	90.5	1326		9.850414	
15	3	17	61.3	1712	1226	10.648550	
16	3	17	91.5	1526	1498	10.883168	
17	2	17	58.6	1502		11.604537	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	83.3	1200		0.240312	1
1	2	12	90.9	1799		1.170568	
2	2	12	66.2	1730		1.899926	
3	2	12	86.5	1596		2.628376	
4	3	12	72.0	1951	1285	3.231348	
5	3	12	97.7	1364	1097	4.482947	
6	3	12	62.5	1148	1004	5.077037	
7	2	12	96.8	1189		5.288891	
8	3	12	98.8	1637	1490	6.162775	
9	1	12	95.3			7.282678	
10	2	12	88.2	1089		7.767217	
11	2	12	79.3	1444		8.653302	
12	3	12	68.5	1519	1550	9.231026	
13	2	12	91.0	1726		9.759272	
14	3	12	80.3	1961	1826	10.684910	
15	3	12	58.9	1695	1509	11.399069	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	90.7	1824	1145	0.006207	1
1	2	9	99.1	1581		1.254426	
2	2	9	75.9	1663		2.032116	
3	3	9	90.9	1318	1003	2.473464	
4	2	9	76.3	1306		3.506780	
5	1	9	56.2			3.793159	
6	1	9	88.1			4.517758	
7	1	9	66.4			5.127900	
8	3	9	64.4	1258	1741	6.168345	
9	2	9	62.8	1037		7.014060	
10	2	9	77.6	1568		7.353929	
11	2	9	54.8	1065		8.224875	
12	2	9	72.7	1467		8.943920	
13	3	9	65.6	1651	1004	9.192021	
14	3	9	54.4	1837	1484	10.482836	
15	2	9	73.7	1557		10.600039	
16	1	9	64.9			11.994739	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	97.8	1453	1068	0.273836	
1	2	16	77.3	1761		1.256891	
2	3	16	99.9	1122	1860	2.057331	
3	3	16	72.7	1395	1734	2.564034	
4	2	16	64.4	1322		3.466912	
5	3	16	79.1	1658	1332	3.968035	
6	2	16	90.0	1297		4.851641	
7	3	16	75.0	1542	1059	5.540134	
8	3	16	85.9	1409	1701	5.868104	1
9	3	16	56.3	1787	1999	6.568982	
10	1	16	74.7			7.546695	
11	3	16	99.6	1335	1740	8.427207	
12	3	16	76.7	1252	1043	9.170304	
13	3	16	89.7	1703	1938	9.785399	
14	2	16	84.0	1110		10.382701	
15	3	16	84.2	1620	1978	10.779073	
16	1	16	87.2			11.301057	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	60.1			0.310355	
1	3	8	61.5	1147	1497	1.296003	
2	2	8	97.8	1348		2.738314	
3	3	8	58.4	1953	1360	3.530290	
4	1	8	50.5			3.981658	
5	2	8	56.3	1542		4.738802	
6	2	8	74.3	1516		6.117109	1
7	2	8	62.9	1373		7.085458	
8	2	8	56.5	1914		8.203593	
9	2	8	96.6	1547		9.014443	
10	2	8	60.3	1073		9.878736	
11	1	8	64.4			10.335419	
12	1	8	52.3			11.170364	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	96.0	1852		0.359106	
1	3	8	86.0	1993	1092	0.796327	
2	3	8	92.4	1664	1047	1.749036	
3	3	8	96.8	1065	1591	2.884369	
4	1	8	65.4			3.032626	
5	2	8	79.1	1955		4.372976	
6	3	8	56.6	1688	1013	5.172130	
7	2	8	54.2	1324		5.598362	
8	2	8	70.7	1779		6.152919	1
9	2	8	81.6	1832		7.257087	
10	3	8	74.7	1596	1481	7.892855	
11	2	8	55.9	1224		8.969727	
12	2	8	59.9	1279		9.035947	
13	3	8	71.2	1100	1961	10.400658	
14	2	8	95.7	1106		10.552574	
15	1	8	54.8			11.805130	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500.0	9	1.0	333	1	5380.0, 5645.0, 5567.0, 5491.0, 5264.0, 5438.0, 5668.0, 5439.0, 5568.0, 5273.0, 5563.0, 5381.0, 5355.0, 5340.0, 5508.0, 5415.0, 5252.0, 5293.0, 5507.0, 5421.0, 5374.0, 5472.0, 5283.0, 5698.0, 5702.0, 5611.0, 5561.0, 5379.0, 5480.0, 5586.0, 5392.0, 5259.0, 5539.0, 5337.0, 5342.0, 5521.0, 5497.0, 5398.0, 5619.0, 5678.0, 5260.0, 5583.0, 5572.0, 5634.0, 5303.0, 5253.0, 5697.0, 5395.0, 5685.0, 5723.0, 5633.0, 5453.0, 5444.0, 5446.0, 5393.0, 5695.0, 5371.0, 5691.0, 5630.0, 5606.0, 5639.0, 5277.0, 5376.0, 5306.0, 5640.0, 5599.0, 5341.0, 5414.0, 5256.0, 5402.0, 5457.0, 5615.0, 5424.0, 5326.0, 5389.0, 5377.0, 5566.0, 5582.0, 5581.0, 5310.0, 5649.0, 5596.0, 5700.0, 5689.0, 5564.0, 5544.0, 5335.0, 5620.0, 5600.0, 5372.0, 5288.0, 5485.0, 5383.0, 5365.0, 5386.0, 5313.0, 5287.0, 5291.0, 5657.0, 5696.0 (number of hits: 2)
2	5500.0	9	1.0	333	1	5559.0, 5586.0, 5649.0, 5680.0, 5475.0, 5396.0, 5698.0, 5392.0, 5287.0, 5648.0, 5595.0, 5488.0, 5252.0, 5480.0, 5510.0, 5615.0, 5274.0, 5409.0, 5450.0, 5316.0, 5655.0, 5627.0, 5446.0, 5578.0, 5485.0, 5694.0, 5459.0, 5354.0, 5347.0, 5478.0, 5460.0, 5585.0, 5426.0, 5530.0, 5522.0, 5410.0, 5377.0, 5509.0, 5594.0, 5398.0, 5318.0, 5434.0, 5581.0, 5582.0, 5442.0, 5547.0, 5348.0, 5671.0, 5264.0, 5360.0, 5673.0, 5350.0, 5545.0, 5546.0, 5257.0, 5631.0, 5425.0, 5397.0, 5463.0, 5498.0, 5423.0, 5696.0, 5368.0, 5521.0, 5714.0, 5601.0, 5317.0, 5297.0, 5620.0, 5658.0, 5611.0, 5433.0, 5529.0, 5418.0, 5395.0, 5609.0, 5706.0, 5672.0, 5280.0, 5301.0, 5518.0, 5630.0, 5523.0, 5691.0, 5690.0, 5720.0, 5557.0, 5654.0, 5703.0, 5352.0, 5583.0, 5400.0, 5650.0, 5642.0, 5269.0, 5608.0, 5626.0, 5563.0, 5685.0, 5259.0 (number of hits: 1)
3	5500.0	9	1.0	333	1	5578.0, 5308.0, 5312.0, 5302.0, 5392.0, 5599.0, 5277.0, 5442.0, 5637.0, 5571.0, 5381.0, 5452.0, 5483.0, 5394.0, 5697.0, 5399.0, 5721.0, 5438.0, 5723.0, 5618.0, 5530.0, 5339.0, 5554.0, 5582.0, 5278.0, 5430.0, 5586.0, 5269.0, 5405.0, 5605.0, 5275.0, 5666.0, 5346.0, 5678.0, 5460.0, 5646.0, 5623.0, 5324.0, 5422.0, 5665.0, 5579.0, 5397.0, 5719.0, 5598.0, 5347.0, 5688.0, 5553.0, 5673.0, 5595.0, 5279.0, 5716.0, 5416.0, 5622.0, 5668.0, 5610.0, 5641.0, 5656.0, 5286.0, 5523.0, 5257.0, 5690.0, 5546.0, 5444.0, 5415.0, 5684.0, 5321.0, 5587.0, 5364.0, 5342.0, 5297.0,

						5412.0, 5408.0, 5660.0, 5372.0, 5396.0, 5633.0, 5609.0, 5280.0, 5606.0, 5613.0, 5395.0, 5496.0, 5262.0, 5707.0, 5470.0, 5686.0, 5628.0, 5569.0, 5298.0, 5485.0, 5380.0, 5603.0, 5621.0, 5425.0, 5481.0, 5644.0, 5417.0, 5267.0, 5643.0, 5434.0 (number of hits: 1)
4	5500.0	9	1.0	333	1	5334.0, 5445.0, 5525.0, 5371.0, 5713.0, 5482.0, 5380.0, 5520.0, 5485.0, 5428.0, 5676.0, 5565.0, 5673.0, 5339.0, 5644.0, 5279.0, 5575.0, 5465.0, 5346.0, 5544.0, 5631.0, 5297.0, 5592.0, 5661.0, 5647.0, 5688.0, 5311.0, 5623.0, 5274.0, 5593.0, 5699.0, 5526.0, 5381.0, 5613.0, 5700.0, 5471.0, 5430.0, 5654.0, 5617.0, 5499.0, 5635.0, 5516.0, 5304.0, 5470.0, 5321.0, 5703.0, 5677.0, 5418.0, 5441.0, 5527.0, 5665.0, 5265.0, 5335.0, 5443.0, 5373.0, 5596.0, 5691.0, 5360.0, 5456.0, 5423.0, 5306.0, 5320.0, 5535.0, 5254.0, 5585.0, 5513.0, 5289.0, 5627.0, 5344.0, 5459.0, 5563.0, 5602.0, 5502.0, 5413.0, 5690.0, 5295.0, 5629.0, 5369.0, 5416.0, 5650.0, 5337.0, 5694.0, 5342.0, 5591.0, 5598.0, 5338.0, 5341.0, 5569.0, 5347.0, 5453.0, 5553.0, 5367.0, 5294.0, 5322.0, 5355.0, 5267.0, 5637.0, 5557.0, 5702.0, 5384.0 (number of hits: 2)
5	5500.0	9	1.0	333	1	5590.0, 5552.0, 5314.0, 5367.0, 5690.0, 5494.0, 5252.0, 5571.0, 5682.0, 5300.0, 5498.0, 5686.0, 5655.0, 5510.0, 5469.0, 5414.0, 5489.0, 5634.0, 5272.0, 5497.0, 5509.0, 5444.0, 5267.0, 5584.0, 5705.0, 5636.0, 5698.0, 5518.0, 5591.0, 5390.0, 5568.0, 5281.0, 5331.0, 5681.0, 5718.0, 5408.0, 5348.0, 5344.0, 5442.0, 5651.0, 5620.0, 5652.0, 5521.0, 5276.0, 5575.0, 5454.0, 5307.0, 5456.0, 5324.0, 5296.0, 5436.0, 5647.0, 5641.0, 5373.0, 5374.0, 5687.0, 5514.0, 5269.0, 5337.0, 5350.0, 5451.0, 5555.0, 5482.0, 5697.0, 5291.0, 5525.0, 5723.0, 5709.0, 5656.0, 5722.0, 5306.0, 5597.0, 5540.0, 5610.0, 5304.0, 5376.0, 5422.0, 5406.0, 5474.0, 5630.0, 5372.0, 5452.0, 5407.0, 5548.0, 5595.0, 5338.0, 5688.0, 5388.0, 5435.0, 5507.0, 5479.0, 5275.0, 5520.0, 5447.0, 5294.0, 5339.0, 5286.0, 5664.0, 5446.0, 5611.0 (number of hits: 4)
6	5500.0	9	1.0	333	1	5669.0, 5710.0, 5279.0, 5630.0, 5337.0, 5435.0, 5318.0, 5375.0, 5308.0, 5314.0, 5426.0, 5491.0, 5580.0, 5401.0, 5627.0, 5251.0, 5557.0, 5311.0, 5618.0, 5511.0, 5613.0, 5298.0, 5449.0, 5340.0, 5381.0, 5606.0, 5607.0, 5673.0, 5329.0, 5442.0, 5471.0, 5603.0, 5541.0, 5470.0, 5405.0, 5655.0, 5306.0, 5312.0, 5504.0, 5581.0, 5447.0, 5718.0, 5643.0, 5359.0, 5697.0, 5453.0, 5444.0, 5487.0, 5648.0, 5646.0, 5332.0, 5509.0, 5484.0, 5506.0, 5396.0, 5709.0, 5719.0, 5598.0, 5490.0, 5703.0,

						5365.0, 5550.0, 5535.0, 5639.0, 5362.0, 5436.0, 5305.0, 5622.0, 5475.0, 5373.0, 5560.0, 5406.0, 5497.0, 5502.0, 5586.0, 5668.0, 5300.0, 5467.0, 5480.0, 5455.0, 5334.0, 5597.0, 5652.0, 5269.0, 5666.0, 5672.0, 5275.0, 5508.0, 5378.0, 5542.0, 5539.0, 5531.0, 5460.0, 5266.0, 5708.0, 5437.0, 5256.0, 5601.0, 5714.0, 5529.0 (number of hits: 4)
7	5500.0	9	1.0	333	1	5441.0, 5640.0, 5594.0, 5405.0, 5572.0, 5485.0, 5301.0, 5551.0, 5644.0, 5278.0, 5295.0, 5597.0, 5453.0, 5397.0, 5645.0, 5280.0, 5443.0, 5505.0, 5684.0, 5675.0, 5543.0, 5693.0, 5332.0, 5354.0, 5413.0, 5649.0, 5448.0, 5631.0, 5258.0, 5709.0, 5603.0, 5475.0, 5343.0, 5503.0, 5323.0, 5307.0, 5444.0, 5406.0, 5669.0, 5379.0, 5418.0, 5317.0, 5529.0, 5439.0, 5429.0, 5587.0, 5294.0, 5476.0, 5593.0, 5573.0, 5468.0, 5337.0, 5642.0, 5656.0, 5297.0, 5350.0, 5679.0, 5423.0, 5346.0, 5473.0, 5596.0, 5633.0, 5653.0, 5447.0, 5696.0, 5474.0, 5567.0, 5638.0, 5344.0, 5661.0, 5492.0, 5434.0, 5387.0, 5527.0, 5369.0, 5385.0, 5528.0, 5720.0, 5544.0, 5604.0, 5432.0, 5425.0, 5581.0, 5358.0, 5392.0, 5660.0, 5314.0, 5652.0, 5303.0, 5266.0, 5388.0, 5442.0, 5606.0, 5309.0, 5692.0, 5713.0, 5455.0, 5615.0, 5509.0, 5409.0 (number of hits: 3)
8	5500.0	9	1.0	333	1	5591.0, 5305.0, 5457.0, 5318.0, 5407.0, 5434.0, 5616.0, 5527.0, 5450.0, 5562.0, 5409.0, 5602.0, 5395.0, 5722.0, 5552.0, 5433.0, 5691.0, 5697.0, 5720.0, 5658.0, 5612.0, 5666.0, 5387.0, 5627.0, 5635.0, 5700.0, 5514.0, 5443.0, 5682.0, 5280.0, 5477.0, 5659.0, 5404.0, 5594.0, 5704.0, 5571.0, 5499.0, 5694.0, 5311.0, 5440.0, 5563.0, 5343.0, 5253.0, 5639.0, 5709.0, 5677.0, 5359.0, 5288.0, 5610.0, 5488.0, 5579.0, 5344.0, 5555.0, 5686.0, 5575.0, 5617.0, 5424.0, 5321.0, 5362.0, 5698.0, 5319.0, 5328.0, 5273.0, 5696.0, 5295.0, 5294.0, 5304.0, 5512.0, 5501.0, 5278.0, 5378.0, 5266.0, 5414.0, 5705.0, 5446.0, 5715.0, 5423.0, 5578.0, 5354.0, 5375.0, 5547.0, 5568.0, 5432.0, 5418.0, 5327.0, 5374.0, 5491.0, 5486.0, 5338.0, 5258.0, 5582.0, 5505.0, 5348.0, 5397.0, 5315.0, 5365.0, 5573.0, 5717.0, 5331.0, 5604.0 (number of hits: 3)
9	5500.0	9	1.0	333	1	5524.0, 5623.0, 5556.0, 5685.0, 5676.0, 5480.0, 5441.0, 5488.0, 5681.0, 5294.0, 5268.0, 5571.0, 5359.0, 5536.0, 5522.0, 5602.0, 5715.0, 5386.0, 5450.0, 5293.0, 5399.0, 5638.0, 5353.0, 5672.0, 5549.0, 5598.0, 5287.0, 5251.0, 5587.0, 5420.0, 5544.0, 5668.0, 5512.0, 5254.0, 5695.0, 5526.0, 5533.0, 5292.0, 5314.0, 5442.0, 5435.0, 5709.0, 5563.0, 5538.0, 5699.0, 5486.0, 5507.0, 5430.0, 5343.0, 5335.0,

						5350.0, 5375.0, 5590.0, 5650.0, 5629.0, 5528.0, 5395.0, 5473.0, 5410.0, 5476.0, 5259.0, 5434.0, 5456.0, 5313.0, 5717.0, 5583.0, 5675.0, 5262.0, 5698.0, 5505.0, 5348.0, 5721.0, 5276.0, 5424.0, 5388.0, 5422.0, 5459.0, 5570.0, 5319.0, 5496.0, 5371.0, 5502.0, 5501.0, 5562.0, 5429.0, 5710.0, 5673.0, 5542.0, 5477.0, 5322.0, 5351.0, 5569.0, 5316.0, 5656.0, 5282.0, 5633.0, 5402.0, 5418.0, 5468.0, 5370.0 (number of hits: 5)
10	5500.0	9	1.0	333	1	5424.0, 5303.0, 5293.0, 5560.0, 5410.0, 5346.0, 5458.0, 5371.0, 5594.0, 5344.0, 5268.0, 5568.0, 5695.0, 5543.0, 5493.0, 5580.0, 5364.0, 5443.0, 5379.0, 5587.0, 5384.0, 5492.0, 5714.0, 5419.0, 5418.0, 5614.0, 5383.0, 5282.0, 5455.0, 5585.0, 5656.0, 5512.0, 5309.0, 5467.0, 5688.0, 5463.0, 5355.0, 5367.0, 5673.0, 5629.0, 5334.0, 5723.0, 5625.0, 5320.0, 5626.0, 5272.0, 5258.0, 5381.0, 5636.0, 5669.0, 5380.0, 5414.0, 5619.0, 5697.0, 5457.0, 5508.0, 5689.0, 5601.0, 5550.0, 5562.0, 5300.0, 5645.0, 5624.0, 5378.0, 5708.0, 5254.0, 5437.0, 5677.0, 5646.0, 5495.0, 5687.0, 5588.0, 5536.0, 5417.0, 5503.0, 5444.0, 5612.0, 5720.0, 5620.0, 5322.0, 5526.0, 5472.0, 5678.0, 5485.0, 5363.0, 5345.0, 5510.0, 5287.0, 5605.0, 5261.0, 5538.0, 5572.0, 5331.0, 5349.0, 5525.0, 5616.0, 5441.0, 5522.0, 5400.0, 5323.0 (number of hits: 4)
11	5500.0	9	1.0	333	1	5502.0, 5528.0, 5702.0, 5388.0, 5623.0, 5539.0, 5529.0, 5495.0, 5560.0, 5500.0, 5290.0, 5573.0, 5583.0, 5359.0, 5491.0, 5442.0, 5666.0, 5251.0, 5688.0, 5447.0, 5492.0, 5426.0, 5300.0, 5511.0, 5580.0, 5322.0, 5339.0, 5695.0, 5669.0, 5576.0, 5645.0, 5604.0, 5418.0, 5261.0, 5287.0, 5553.0, 5381.0, 5497.0, 5527.0, 5427.0, 5279.0, 5304.0, 5705.0, 5637.0, 5448.0, 5310.0, 5559.0, 5330.0, 5707.0, 5367.0, 5653.0, 5441.0, 5614.0, 5631.0, 5433.0, 5368.0, 5269.0, 5460.0, 5311.0, 5383.0, 5551.0, 5461.0, 5351.0, 5661.0, 5250.0, 5306.0, 5662.0, 5343.0, 5453.0, 5452.0, 5286.0, 5445.0, 5635.0, 5342.0, 5659.0, 5363.0, 5341.0, 5697.0, 5312.0, 5648.0, 5489.0, 5484.0, 5518.0, 5601.0, 5570.0, 5390.0, 5376.0, 5403.0, 5430.0, 5542.0, 5409.0, 5681.0, 5664.0, 5675.0, 5379.0, 5627.0, 5509.0, 5525.0, 5508.0, 5459.0 (number of hits: 5)
12	5500.0	9	1.0	333	1	5375.0, 5694.0, 5365.0, 5715.0, 5391.0, 5362.0, 5702.0, 5422.0, 5646.0, 5556.0, 5329.0, 5476.0, 5543.0, 5562.0, 5558.0, 5639.0, 5551.0, 5336.0, 5436.0, 5402.0, 5586.0, 5608.0, 5300.0, 5520.0, 5534.0, 5419.0, 5521.0, 5420.0, 5525.0, 5557.0, 5699.0, 5663.0, 5334.0, 5561.0, 5360.0, 5384.0, 5318.0, 5511.0, 5656.0, 5719.0,

						5349.0, 5453.0, 5457.0, 5328.0, 5587.0, 5352.0, 5686.0, 5290.0, 5310.0, 5711.0, 5361.0, 5555.0, 5424.0, 5606.0, 5482.0, 5603.0, 5479.0, 5592.0, 5327.0, 5425.0, 5573.0, 5257.0, 5371.0, 5387.0, 5393.0, 5696.0, 5370.0, 5275.0, 5538.0, 5490.0, 5434.0, 5610.0, 5251.0, 5332.0, 5427.0, 5670.0, 5607.0, 5454.0, 5692.0, 5293.0, 5540.0, 5613.0, 5414.0, 5286.0, 5364.0, 5630.0, 5497.0, 5264.0, 5550.0, 5348.0, 5416.0, 5373.0, 5591.0, 5618.0, 5444.0, 5620.0, 5378.0, 5668.0, 5400.0, 5262.0 (number of hits: 1)
13	5500.0	9	1.0	333	1	5514.0, 5563.0, 5321.0, 5441.0, 5410.0, 5471.0, 5395.0, 5502.0, 5269.0, 5476.0, 5481.0, 5528.0, 5714.0, 5384.0, 5399.0, 5363.0, 5603.0, 5423.0, 5607.0, 5355.0, 5277.0, 5266.0, 5331.0, 5251.0, 5311.0, 5541.0, 5500.0, 5608.0, 5513.0, 5369.0, 5497.0, 5345.0, 5685.0, 5329.0, 5625.0, 5292.0, 5699.0, 5551.0, 5505.0, 5408.0, 5353.0, 5347.0, 5478.0, 5700.0, 5610.0, 5689.0, 5324.0, 5351.0, 5443.0, 5586.0, 5307.0, 5420.0, 5704.0, 5398.0, 5525.0, 5468.0, 5601.0, 5577.0, 5290.0, 5306.0, 5284.0, 5254.0, 5417.0, 5701.0, 5705.0, 5495.0, 5357.0, 5482.0, 5555.0, 5480.0, 5614.0, 5711.0, 5666.0, 5336.0, 5596.0, 5533.0, 5652.0, 5319.0, 5374.0, 5519.0, 5391.0, 5341.0, 5571.0, 5313.0, 5250.0, 5469.0, 5553.0, 5413.0, 5406.0, 5463.0, 5567.0, 5360.0, 5440.0, 5599.0, 5539.0, 5649.0, 5585.0, 5679.0, 5659.0, 5527.0 (number of hits: 5)
14	5500.0	9	1.0	333	1	5393.0, 5701.0, 5287.0, 5350.0, 5657.0, 5266.0, 5407.0, 5270.0, 5284.0, 5559.0, 5707.0, 5468.0, 5254.0, 5703.0, 5624.0, 5721.0, 5691.0, 5608.0, 5363.0, 5532.0, 5264.0, 5628.0, 5490.0, 5273.0, 5499.0, 5420.0, 5551.0, 5260.0, 5678.0, 5638.0, 5253.0, 5626.0, 5257.0, 5328.0, 5299.0, 5555.0, 5268.0, 5477.0, 5561.0, 5403.0, 5457.0, 5320.0, 5419.0, 5405.0, 5481.0, 5669.0, 5502.0, 5303.0, 5308.0, 5306.0, 5550.0, 5644.0, 5715.0, 5642.0, 5702.0, 5507.0, 5625.0, 5640.0, 5377.0, 5629.0, 5546.0, 5379.0, 5390.0, 5344.0, 5474.0, 5600.0, 5352.0, 5577.0, 5362.0, 5713.0, 5668.0, 5489.0, 5599.0, 5635.0, 5505.0, 5603.0, 5566.0, 5464.0, 5563.0, 5581.0, 5410.0, 5714.0, 5492.0, 5422.0, 5602.0, 5298.0, 5495.0, 5431.0, 5367.0, 5272.0, 5442.0, 5329.0, 5510.0, 5654.0, 5530.0, 5430.0, 5617.0, 5506.0, 5503.0, 5426.0 (number of hits: 8)
15	5500.0	9	1.0	333	1	5536.0, 5640.0, 5573.0, 5360.0, 5298.0, 5666.0, 5384.0, 5515.0, 5434.0, 5699.0, 5586.0, 5312.0, 5561.0, 5280.0, 5322.0, 5358.0, 5462.0, 5540.0, 5674.0, 5694.0, 5276.0, 5544.0, 5597.0, 5577.0, 5379.0, 5356.0, 5518.0, 5644.0, 5688.0, 5502.0,

						5382.0, 5620.0, 5623.0, 5661.0, 5564.0, 5378.0, 5337.0, 5388.0, 5361.0, 5355.0, 5657.0, 5676.0, 5681.0, 5467.0, 5441.0, 5463.0, 5599.0, 5457.0, 5551.0, 5639.0, 5491.0, 5473.0, 5310.0, 5628.0, 5558.0, 5680.0, 5277.0, 5398.0, 5592.0, 5359.0, 5720.0, 5500.0, 5615.0, 5654.0, 5605.0, 5527.0, 5638.0, 5685.0, 5686.0, 5588.0, 5329.0, 5493.0, 5393.0, 5535.0, 5565.0, 5348.0, 5591.0, 5427.0, 5449.0, 5373.0, 5718.0, 5624.0, 5703.0, 5507.0, 5440.0, 5286.0, 5645.0, 5338.0, 5547.0, 5497.0, 5671.0, 5533.0, 5557.0, 5487.0, 5652.0, 5636.0, 5716.0, 5608.0, 5546.0, 5422.0 (number of hits: 5)
16	5500.0	9	1.0	333	1	5562.0, 5586.0, 5337.0, 5500.0, 5328.0, 5483.0, 5292.0, 5618.0, 5507.0, 5518.0, 5680.0, 5650.0, 5640.0, 5564.0, 5631.0, 5421.0, 5372.0, 5370.0, 5585.0, 5458.0, 5554.0, 5426.0, 5541.0, 5720.0, 5713.0, 5504.0, 5284.0, 5400.0, 5710.0, 5387.0, 5578.0, 5376.0, 5636.0, 5447.0, 5533.0, 5303.0, 5310.0, 5463.0, 5511.0, 5475.0, 5316.0, 5521.0, 5647.0, 5323.0, 5577.0, 5512.0, 5411.0, 5662.0, 5415.0, 5380.0, 5283.0, 5627.0, 5568.0, 5290.0, 5495.0, 5698.0, 5262.0, 5476.0, 5716.0, 5695.0, 5501.0, 5654.0, 5268.0, 5308.0, 5396.0, 5604.0, 5404.0, 5364.0, 5493.0, 5392.0, 5384.0, 5408.0, 5382.0, 5714.0, 5603.0, 5375.0, 5362.0, 5383.0, 5630.0, 5450.0, 5257.0, 5620.0, 5535.0, 5705.0, 5480.0, 5252.0, 5598.0, 5453.0, 5587.0, 5321.0, 5413.0, 5352.0, 5486.0, 5289.0, 5280.0, 5318.0, 5428.0, 5635.0, 5686.0, 5365.0 (number of hits: 6)
17	5500.0	9	1.0	333	1	5326.0, 5341.0, 5331.0, 5456.0, 5557.0, 5711.0, 5274.0, 5624.0, 5484.0, 5438.0, 5386.0, 5378.0, 5550.0, 5690.0, 5410.0, 5691.0, 5470.0, 5482.0, 5471.0, 5473.0, 5431.0, 5283.0, 5535.0, 5723.0, 5350.0, 5358.0, 5570.0, 5558.0, 5408.0, 5336.0, 5607.0, 5574.0, 5397.0, 5698.0, 5650.0, 5621.0, 5559.0, 5701.0, 5504.0, 5598.0, 5693.0, 5599.0, 5567.0, 5602.0, 5391.0, 5261.0, 5512.0, 5566.0, 5480.0, 5670.0, 5452.0, 5523.0, 5292.0, 5382.0, 5694.0, 5640.0, 5317.0, 5530.0, 5303.0, 5665.0, 5434.0, 5374.0, 5293.0, 5352.0, 5656.0, 5525.0, 5312.0, 5588.0, 5537.0, 5345.0, 5522.0, 5712.0, 5519.0, 5533.0, 5706.0, 5307.0, 5676.0, 5498.0, 5674.0, 5635.0, 5315.0, 5281.0, 5568.0, 5389.0, 5672.0, 5388.0, 5606.0, 5365.0, 5695.0, 5589.0, 5684.0, 5510.0, 5501.0, 5297.0, 5600.0, 5485.0, 5707.0, 5719.0, 5617.0, 5545.0 (number of hits: 3)
18	5500.0	9	1.0	333	1	5617.0, 5509.0, 5648.0, 5418.0, 5497.0, 5584.0, 5667.0, 5527.0, 5357.0, 5556.0, 5468.0, 5621.0, 5332.0, 5520.0, 5487.0, 5386.0, 5709.0, 5455.0, 5571.0, 5477.0,

						5429.0, 5427.0, 5272.0, 5353.0, 5576.0, 5360.0, 5622.0, 5549.0, 5474.0, 5420.0, 5533.0, 5547.0, 5633.0, 5288.0, 5262.0, 5522.0, 5344.0, 5466.0, 5570.0, 5434.0, 5710.0, 5493.0, 5459.0, 5724.0, 5490.0, 5395.0, 5343.0, 5428.0, 5587.0, 5657.0, 5707.0, 5658.0, 5697.0, 5431.0, 5392.0, 5349.0, 5717.0, 5496.0, 5265.0, 5489.0, 5393.0, 5506.0, 5649.0, 5594.0, 5558.0, 5419.0, 5563.0, 5670.0, 5254.0, 5588.0, 5268.0, 5677.0, 5481.0, 5582.0, 5422.0, 5341.0, 5561.0, 5372.0, 5264.0, 5370.0, 5611.0, 5261.0, 5694.0, 5640.0, 5599.0, 5326.0, 5632.0, 5411.0, 5545.0, 5662.0, 5552.0, 5620.0, 5311.0, 5494.0, 5638.0, 5321.0, 5693.0, 5398.0, 5367.0, 5606.0 (number of hits: 5)
19	5500.0	9	1.0	333	1	5657.0, 5588.0, 5599.0, 5640.0, 5359.0, 5305.0, 5474.0, 5290.0, 5609.0, 5533.0, 5262.0, 5402.0, 5659.0, 5510.0, 5577.0, 5403.0, 5520.0, 5391.0, 5630.0, 5527.0, 5496.0, 5611.0, 5384.0, 5300.0, 5465.0, 5394.0, 5680.0, 5409.0, 5620.0, 5450.0, 5504.0, 5287.0, 5547.0, 5282.0, 5302.0, 5356.0, 5254.0, 5477.0, 5621.0, 5514.0, 5326.0, 5634.0, 5296.0, 5712.0, 5444.0, 5709.0, 5260.0, 5648.0, 5470.0, 5298.0, 5413.0, 5619.0, 5378.0, 5724.0, 5461.0, 5428.0, 5707.0, 5277.0, 5367.0, 5295.0, 5422.0, 5416.0, 5552.0, 5592.0, 5294.0, 5534.0, 5365.0, 5446.0, 5334.0, 5449.0, 5664.0, 5270.0, 5554.0, 5453.0, 5702.0, 5338.0, 5273.0, 5366.0, 5669.0, 5382.0, 5550.0, 5332.0, 5483.0, 5259.0, 5614.0, 5636.0, 5602.0, 5690.0, 5563.0, 5539.0, 5318.0, 5503.0, 5682.0, 5455.0, 5692.0, 5570.0, 5698.0, 5668.0, 5281.0, 5641.0 (number of hits: 3)
20	5500.0	9	1.0	333	1	5654.0, 5606.0, 5683.0, 5611.0, 5569.0, 5322.0, 5517.0, 5608.0, 5361.0, 5691.0, 5350.0, 5671.0, 5294.0, 5662.0, 5511.0, 5455.0, 5565.0, 5502.0, 5643.0, 5368.0, 5655.0, 5477.0, 5375.0, 5519.0, 5443.0, 5580.0, 5313.0, 5523.0, 5346.0, 5506.0, 5352.0, 5505.0, 5268.0, 5718.0, 5501.0, 5280.0, 5614.0, 5503.0, 5289.0, 5486.0, 5559.0, 5310.0, 5379.0, 5640.0, 5411.0, 5284.0, 5250.0, 5677.0, 5657.0, 5629.0, 5563.0, 5461.0, 5456.0, 5493.0, 5303.0, 5485.0, 5722.0, 5384.0, 5648.0, 5301.0, 5482.0, 5266.0, 5378.0, 5521.0, 5270.0, 5415.0, 5577.0, 5253.0, 5474.0, 5406.0, 5674.0, 5401.0, 5491.0, 5323.0, 5689.0, 5583.0, 5387.0, 5714.0, 5298.0, 5567.0, 5377.0, 5430.0, 5701.0, 5721.0, 5702.0, 5314.0, 5593.0, 5700.0, 5498.0, 5326.0, 5440.0, 5416.0, 5589.0, 5259.0, 5407.0, 5448.0, 5466.0, 5528.0, 5343.0, 5595.0 (number of hits: 7)
21	5500.0	9	1.0	333	1	5463.0, 5707.0, 5352.0, 5268.0, 5388.0, 5435.0, 5603.0, 5656.0, 5612.0, 5544.0,

						5605.0, 5720.0, 5343.0, 5297.0, 5296.0, 5547.0, 5569.0, 5704.0, 5524.0, 5560.0, 5351.0, 5366.0, 5293.0, 5655.0, 5643.0, 5311.0, 5375.0, 5582.0, 5294.0, 5466.0, 5345.0, 5532.0, 5533.0, 5295.0, 5558.0, 5271.0, 5652.0, 5437.0, 5587.0, 5700.0, 5461.0, 5618.0, 5492.0, 5626.0, 5465.0, 5449.0, 5259.0, 5688.0, 5689.0, 5621.0, 5549.0, 5337.0, 5419.0, 5349.0, 5640.0, 5527.0, 5457.0, 5485.0, 5531.0, 5335.0, 5667.0, 5462.0, 5681.0, 5627.0, 5484.0, 5276.0, 5676.0, 5620.0, 5412.0, 5579.0, 5542.0, 5370.0, 5329.0, 5263.0, 5490.0, 5591.0, 5399.0, 5448.0, 5385.0, 5580.0, 5507.0, 5264.0, 5649.0, 5505.0, 5632.0, 5679.0, 5658.0, 5723.0, 5498.0, 5309.0, 5670.0, 5398.0, 5292.0, 5535.0, 5287.0, 5410.0, 5391.0, 5434.0, 5556.0, 5340.0 (number of hits: 4)
22	5500.0	9	1.0	333	1	5575.0, 5598.0, 5496.0, 5318.0, 5296.0, 5477.0, 5292.0, 5391.0, 5604.0, 5409.0, 5451.0, 5618.0, 5266.0, 5414.0, 5555.0, 5381.0, 5273.0, 5376.0, 5698.0, 5400.0, 5535.0, 5290.0, 5471.0, 5707.0, 5657.0, 5711.0, 5470.0, 5660.0, 5547.0, 5506.0, 5324.0, 5652.0, 5401.0, 5258.0, 5458.0, 5530.0, 5571.0, 5616.0, 5386.0, 5557.0, 5536.0, 5472.0, 5649.0, 5255.0, 5428.0, 5651.0, 5430.0, 5366.0, 5658.0, 5374.0, 5465.0, 5568.0, 5693.0, 5423.0, 5373.0, 5467.0, 5315.0, 5347.0, 5607.0, 5608.0, 5624.0, 5538.0, 5442.0, 5488.0, 5440.0, 5602.0, 5526.0, 5499.0, 5498.0, 5462.0, 5257.0, 5454.0, 5275.0, 5517.0, 5483.0, 5542.0, 5635.0, 5603.0, 5283.0, 5306.0, 5522.0, 5684.0, 5592.0, 5342.0, 5265.0, 5251.0, 5668.0, 5293.0, 5615.0, 5587.0, 5446.0, 5528.0, 5460.0, 5548.0, 5631.0, 5491.0, 5501.0, 5680.0, 5508.0, 5591.0 (number of hits: 5)
23	5500.0	9	1.0	333	1	5439.0, 5655.0, 5534.0, 5289.0, 5577.0, 5385.0, 5382.0, 5397.0, 5427.0, 5510.0, 5676.0, 5585.0, 5393.0, 5586.0, 5503.0, 5706.0, 5278.0, 5420.0, 5293.0, 5578.0, 5633.0, 5502.0, 5422.0, 5616.0, 5266.0, 5581.0, 5631.0, 5520.0, 5346.0, 5262.0, 5692.0, 5641.0, 5628.0, 5523.0, 5390.0, 5558.0, 5602.0, 5650.0, 5673.0, 5708.0, 5637.0, 5592.0, 5528.0, 5387.0, 5540.0, 5434.0, 5555.0, 5481.0, 5269.0, 5713.0, 5667.0, 5398.0, 5470.0, 5284.0, 5654.0, 5482.0, 5675.0, 5669.0, 5445.0, 5693.0, 5630.0, 5429.0, 5620.0, 5411.0, 5335.0, 5638.0, 5615.0, 5548.0, 5519.0, 5663.0, 5553.0, 5258.0, 5584.0, 5710.0, 5597.0, 5621.0, 5315.0, 5511.0, 5414.0, 5722.0, 5275.0, 5287.0, 5446.0, 5643.0, 5274.0, 5640.0, 5612.0, 5716.0, 5352.0, 5297.0, 5426.0, 5440.0, 5659.0, 5691.0, 5321.0, 5539.0, 5322.0, 5646.0, 5433.0, 5680.0 (number of hits: 2)

24	5500.0	9	1.0	333	1	5528.0, 5370.0, 5319.0, 5260.0, 5694.0, 5682.0, 5681.0, 5360.0, 5520.0, 5322.0, 5410.0, 5343.0, 5601.0, 5672.0, 5692.0, 5657.0, 5513.0, 5659.0, 5323.0, 5266.0, 5347.0, 5554.0, 5655.0, 5296.0, 5258.0, 5576.0, 5488.0, 5671.0, 5711.0, 5278.0, 5394.0, 5317.0, 5643.0, 5665.0, 5357.0, 5541.0, 5287.0, 5415.0, 5487.0, 5498.0, 5534.0, 5346.0, 5399.0, 5381.0, 5712.0, 5602.0, 5678.0, 5377.0, 5582.0, 5435.0, 5522.0, 5474.0, 5703.0, 5338.0, 5469.0, 5559.0, 5720.0, 5555.0, 5650.0, 5308.0, 5379.0, 5521.0, 5373.0, 5634.0, 5691.0, 5591.0, 5544.0, 5674.0, 5494.0, 5570.0, 5436.0, 5437.0, 5397.0, 5640.0, 5276.0, 5707.0, 5430.0, 5268.0, 5253.0, 5595.0, 5456.0, 5324.0, 5432.0, 5506.0, 5648.0, 5664.0, 5614.0, 5715.0, 5320.0, 5306.0, 5609.0, 5289.0, 5641.0, 5491.0, 5625.0, 5414.0, 5314.0, 5590.0, 5518.0, 5616.0 (number of hits: 3)
25	5500.0	9	1.0	333	1	5267.0, 5625.0, 5266.0, 5401.0, 5426.0, 5539.0, 5418.0, 5641.0, 5693.0, 5479.0, 5683.0, 5322.0, 5350.0, 5684.0, 5702.0, 5473.0, 5394.0, 5457.0, 5520.0, 5593.0, 5347.0, 5648.0, 5578.0, 5595.0, 5502.0, 5647.0, 5379.0, 5589.0, 5661.0, 5463.0, 5612.0, 5484.0, 5606.0, 5423.0, 5501.0, 5618.0, 5644.0, 5636.0, 5399.0, 5318.0, 5696.0, 5469.0, 5338.0, 5392.0, 5422.0, 5558.0, 5342.0, 5715.0, 5504.0, 5475.0, 5471.0, 5511.0, 5583.0, 5481.0, 5514.0, 5704.0, 5297.0, 5421.0, 5634.0, 5460.0, 5548.0, 5305.0, 5628.0, 5624.0, 5301.0, 5456.0, 5568.0, 5393.0, 5616.0, 5638.0, 5440.0, 5441.0, 5287.0, 5288.0, 5461.0, 5359.0, 5285.0, 5449.0, 5402.0, 5524.0, 5594.0, 5269.0, 5363.0, 5370.0, 5500.0, 5522.0, 5262.0, 5705.0, 5296.0, 5442.0, 5669.0, 5495.0, 5252.0, 5637.0, 5640.0, 5505.0, 5388.0, 5608.0, 5380.0, 5611.0 (number of hits: 6)
26	5500.0	9	1.0	333	1	5552.0, 5385.0, 5293.0, 5471.0, 5629.0, 5592.0, 5525.0, 5393.0, 5322.0, 5367.0, 5381.0, 5419.0, 5328.0, 5327.0, 5531.0, 5600.0, 5284.0, 5530.0, 5544.0, 5478.0, 5707.0, 5587.0, 5362.0, 5669.0, 5295.0, 5332.0, 5603.0, 5553.0, 5572.0, 5296.0, 5291.0, 5571.0, 5402.0, 5288.0, 5289.0, 5466.0, 5363.0, 5350.0, 5565.0, 5321.0, 5299.0, 5300.0, 5529.0, 5597.0, 5632.0, 5582.0, 5294.0, 5680.0, 5262.0, 5623.0, 5282.0, 5692.0, 5604.0, 5470.0, 5635.0, 5387.0, 5566.0, 5545.0, 5609.0, 5687.0, 5378.0, 5590.0, 5422.0, 5298.0, 5406.0, 5638.0, 5411.0, 5407.0, 5612.0, 5645.0, 5625.0, 5255.0, 5641.0, 5398.0, 5307.0, 5650.0, 5456.0, 5496.0, 5458.0, 5333.0, 5414.0, 5410.0, 5678.0, 5413.0, 5390.0, 5274.0, 5275.0, 5354.0, 5312.0, 5704.0, 5462.0, 5519.0, 5705.0, 5652.0, 5480.0,

						5358.0, 5682.0, 5580.0, 5702.0, 5278.0 (number of hits: 1)
27	5500.0	9	1.0	333	1	5599.0, 5258.0, 5572.0, 5389.0, 5254.0, 5539.0, 5583.0, 5592.0, 5299.0, 5402.0, 5355.0, 5585.0, 5664.0, 5702.0, 5586.0, 5520.0, 5479.0, 5429.0, 5555.0, 5564.0, 5484.0, 5658.0, 5512.0, 5420.0, 5267.0, 5446.0, 5486.0, 5703.0, 5695.0, 5456.0, 5578.0, 5352.0, 5602.0, 5319.0, 5571.0, 5378.0, 5282.0, 5598.0, 5392.0, 5358.0, 5543.0, 5526.0, 5714.0, 5305.0, 5390.0, 5612.0, 5675.0, 5453.0, 5704.0, 5281.0, 5717.0, 5689.0, 5268.0, 5524.0, 5569.0, 5536.0, 5255.0, 5613.0, 5568.0, 5683.0, 5673.0, 5289.0, 5510.0, 5570.0, 5386.0, 5604.0, 5398.0, 5433.0, 5471.0, 5423.0, 5405.0, 5584.0, 5705.0, 5575.0, 5361.0, 5595.0, 5645.0, 5450.0, 5368.0, 5676.0, 5669.0, 5401.0, 5559.0, 5339.0, 5287.0, 5487.0, 5332.0, 5523.0, 5331.0, 5499.0, 5525.0, 5657.0, 5679.0, 5591.0, 5671.0, 5478.0, 5532.0, 5687.0, 5464.0, 5617.0 (number of hits: 1)
28	5500.0	9	1.0	333	1	5582.0, 5611.0, 5385.0, 5572.0, 5296.0, 5500.0, 5427.0, 5609.0, 5532.0, 5475.0, 5311.0, 5330.0, 5270.0, 5344.0, 5672.0, 5394.0, 5378.0, 5632.0, 5409.0, 5542.0, 5452.0, 5625.0, 5374.0, 5607.0, 5465.0, 5327.0, 5604.0, 5383.0, 5267.0, 5477.0, 5366.0, 5689.0, 5506.0, 5283.0, 5559.0, 5575.0, 5511.0, 5333.0, 5600.0, 5368.0, 5281.0, 5691.0, 5509.0, 5608.0, 5343.0, 5379.0, 5720.0, 5403.0, 5464.0, 5658.0, 5650.0, 5481.0, 5645.0, 5471.0, 5272.0, 5569.0, 5586.0, 5550.0, 5682.0, 5487.0, 5367.0, 5648.0, 5671.0, 5680.0, 5504.0, 5316.0, 5639.0, 5303.0, 5508.0, 5518.0, 5349.0, 5455.0, 5489.0, 5714.0, 5426.0, 5491.0, 5273.0, 5655.0, 5268.0, 5703.0, 5291.0, 5702.0, 5255.0, 5667.0, 5592.0, 5520.0, 5485.0, 5289.0, 5599.0, 5306.0, 5653.0, 5719.0, 5512.0, 5644.0, 5415.0, 5474.0, 5279.0, 5618.0, 5613.0, 5314.0 (number of hits: 3)
29	5500.0	9	1.0	333	1	5341.0, 5340.0, 5458.0, 5558.0, 5630.0, 5414.0, 5498.0, 5626.0, 5268.0, 5356.0, 5609.0, 5429.0, 5519.0, 5664.0, 5480.0, 5345.0, 5616.0, 5295.0, 5466.0, 5322.0, 5499.0, 5607.0, 5292.0, 5469.0, 5432.0, 5604.0, 5637.0, 5421.0, 5294.0, 5446.0, 5600.0, 5660.0, 5267.0, 5385.0, 5460.0, 5629.0, 5641.0, 5276.0, 5334.0, 5586.0, 5585.0, 5278.0, 5264.0, 5420.0, 5313.0, 5281.0, 5589.0, 5572.0, 5275.0, 5257.0, 5557.0, 5453.0, 5714.0, 5680.0, 5305.0, 5357.0, 5650.0, 5314.0, 5657.0, 5437.0, 5701.0, 5354.0, 5651.0, 5707.0, 5251.0, 5376.0, 5381.0, 5422.0, 5544.0, 5699.0, 5451.0, 5548.0, 5394.0, 5298.0, 5311.0, 5330.0, 5302.0, 5319.0, 5663.0, 5329.0, 5399.0, 5599.0, 5331.0, 5639.0, 5633.0,

						5490.0, 5304.0, 5506.0, 5456.0, 5571.0, 5300.0, 5620.0, 5593.0, 5259.0, 5510.0, 5286.0, 5603.0, 5270.0, 5266.0, 5417.0 (number of hits: 3)
30	5500.0	9	1.0	333	1	5377.0, 5528.0, 5388.0, 5287.0, 5629.0, 5257.0, 5539.0, 5336.0, 5662.0, 5512.0, 5466.0, 5476.0, 5259.0, 5418.0, 5420.0, 5604.0, 5373.0, 5588.0, 5432.0, 5343.0, 5338.0, 5548.0, 5668.0, 5683.0, 5358.0, 5647.0, 5534.0, 5571.0, 5331.0, 5527.0, 5596.0, 5525.0, 5463.0, 5309.0, 5365.0, 5591.0, 5562.0, 5484.0, 5467.0, 5423.0, 5618.0, 5492.0, 5295.0, 5417.0, 5256.0, 5628.0, 5312.0, 5407.0, 5689.0, 5320.0, 5264.0, 5381.0, 5665.0, 5400.0, 5477.0, 5439.0, 5615.0, 5555.0, 5318.0, 5608.0, 5387.0, 5630.0, 5468.0, 5447.0, 5663.0, 5599.0, 5686.0, 5380.0, 5375.0, 5405.0, 5573.0, 5291.0, 5504.0, 5677.0, 5356.0, 5699.0, 5319.0, 5592.0, 5713.0, 5323.0, 5327.0, 5645.0, 5637.0, 5723.0, 5268.0, 5491.0, 5298.0, 5610.0, 5501.0, 5308.0, 5605.0, 5701.0, 5694.0, 5541.0, 5486.0, 5428.0, 5382.0, 5554.0, 5425.0, 5252.0 (number of hits: 3)

Client Mode
Cobalt Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	76	1.0	698	1
2	62	1.0	858	1
3	68	1.0	778	1
4	83	1.0	638	1
5	78	1.0	678	1
6	95	1.0	558	1
7	65	1.0	818	1
8	67	1.0	798	1
9	61	1.0	878	1
10	92	1.0	578	1
11	99	1.0	538	1
12	89	1.0	598	1
13	86	1.0	618	1
14	63	1.0	838	1
15	102	1.0	518	0
16	18	1.0	2994	1
17	39	1.0	1381	1
18	29	1.0	1845	1
19	34	1.0	1585	1
20	20	1.0	2770	1
21	28	1.0	1905	1
22	41	1.0	1295	1
23	32	1.0	1677	1
24	93	1.0	573	1
25	55	1.0	977	1
26	24	1.0	2270	1
27	20	1.0	2730	1
28	24	1.0	2235	1
29	66	1.0	807	1
30	30	1.0	1770	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	29	3.6	179	1
2	28	3.4	191	1
3	23	4.3	156	1
4	29	4.3	212	1
5	28	3.5	177	1
6	29	4.5	214	0
7	23	3.4	190	1
8	29	4.1	171	1
9	29	2.4	172	1
10	29	1.4	166	1
11	26	2.4	188	1
12	29	2.5	161	1
13	24	3.8	185	1
14	27	3.0	178	1
15	26	4.7	162	1
16	29	1.0	219	1
17	25	4.1	226	0
18	26	2.7	185	1
19	28	1.7	162	1
20	29	2.4	209	1
21	27	4.9	162	1
22	29	2.2	156	1
23	25	3.8	201	1
24	23	1.9	152	1
25	29	4.6	171	1
26	26	1.3	218	1
27	29	3.5	228	1
28	25	4.5	222	1
29	27	4.9	164	1
30	26	3.7	208	1
Detection Percentage: 93.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	7.8	367	1
2	17	7.8	306	1
3	17	7.8	279	0
4	18	6.8	322	1
5	16	9.8	352	1
6	17	7.8	275	1
7	17	7.0	326	1
8	16	9.1	339	1
9	18	9.2	216	1
10	17	8.9	348	1
11	17	8.7	461	1
12	17	7.4	275	1
13	16	8.3	486	1
14	17	7.1	495	1
15	16	7.1	427	1
16	18	8.7	434	1
17	16	8.7	476	1
18	17	9.5	486	1
19	17	9.3	263	1
20	16	6.6	209	1
21	16	9.9	434	0
22	18	7.5	283	1
23	17	7.5	458	1
24	18	8.5	472	0
25	18	6.6	447	1
26	16	6.3	428	1
27	16	9.4	500	1
28	18	9.1	215	0
29	16	7.7	332	1
30	17	6.4	448	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	14	15.6	354	1
2	13	18.1	238	1
3	14	17.4	219	1
4	13	13.6	417	1
5	14	12.9	207	1
6	15	16.5	437	1
7	14	17.9	497	1
8	15	14.8	234	1
9	14	16.2	441	1
10	16	19.4	283	1
11	14	13.0	433	0
12	16	11.2	292	1
13	12	13.5	384	0
14	15	13.8	209	1
15	12	18.6	337	1
16	13	17.8	445	1
17	13	11.9	221	1
18	15	20.0	485	1
19	16	16.4	430	0
20	16	15.2	462	1
21	14	12.9	418	1
22	16	14.2	483	1
23	14	16.3	203	0
24	12	16.4	316	1
25	15	18.8	322	1
26	14	19.9	493	0
27	16	19.1	346	1
28	13	18.7	276	0
29	15	18.6	292	1
30	15	19.3	252	1
Detection Percentage: 80 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5498.0	1
12	5498.8	1
13	5496.4	1
14	5498.8	1
15	5497.2	1
16	5497.2	1
17	5499.6	1
18	5498.4	1
19	5498.8	1
20	5496.4	1
21	5520.4	1
22	5521.2	1
23	5522.0	1
24	5520.8	1
25	5524.0	1
26	5524.8	1
27	5521.2	1
28	5526.0	1
29	5521.6	1
30	5520.8	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	64.5	1131		0.019508	1
1	1	11	77.0			1.817108	
2	3	11	56.2	1451	1161	2.654408	
3	3	11	60.7	1968	1176	3.009469	
4	1	11	68.4			4.259810	
5	2	11	99.2	1649		5.689912	
6	3	11	74.1	1994	1093	6.622589	
7	3	11	61.2	1265	1209	7.682585	
8	3	11	68.7	1006	1625	8.350899	
9	2	11	70.3	1103		9.805465	
10	2	11	66.0	1698		10.587841	
11	1	11	91.7			11.800245	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	77.8	1756		0.106115	1
1	3	9	61.1	1442	1769	1.351268	
2	2	9	67.2	1756		1.913905	
3	1	9	66.0			2.250179	
4	3	9	69.3	1338	1365	3.489198	
5	1	9	55.0			3.799310	
6	1	9	93.5			4.831067	
7	1	9	90.6			5.556150	
8	3	9	60.2	1907	1208	6.221108	
9	1	9	54.7			7.365305	
10	2	9	56.9	1836		7.836492	
11	1	9	82.0			8.700548	
12	2	9	77.3	1920		9.063634	
13	1	9	55.4			10.364830	
14	3	9	95.7	1436	1818	10.883770	
15	2	9	85.1	1216		11.512418	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	64.7	1262		0.096598	
1	2	15	97.7	1597		0.822078	
2	2	15	93.7	1212		2.188915	
3	2	15	70.1	1137		2.351846	
4	2	15	85.6	1661		3.376511	
5	2	15	79.7	1905		3.783141	
6	2	15	72.0	1110		4.519228	
7	3	15	50.8	1051	1724	5.847656	
8	2	15	96.1	1518		6.020709	1
9	2	15	82.3	1344		6.986337	
10	2	15	85.2	1943		7.692866	
11	2	15	60.5	1456		8.951122	
12	1	15	72.3			9.573685	
13	2	15	66.9	1299		10.410070	
14	3	15	62.7	1397	1481	10.697194	
15	1	15	71.5			11.417955	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	85.3	1911	1289	0.347364	
1	2	16	77.9	1209		0.929631	
2	1	16	98.6			2.539408	
3	2	16	66.7	1842		2.811336	
4	1	16	78.0			4.581567	
5	1	16	75.3			4.889621	
6	2	16	83.1	1657		6.111497	1
7	3	16	97.2	1685	1826	7.256336	
8	2	16	78.8	1259		7.853350	
9	1	16	67.0			9.194796	
10	3	16	69.1	1565	1236	9.743590	
11	3	16	71.0	1205	1410	10.900473	
12	2	16	81.8	1328		11.317972	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	95.6	1080		0.651136	
1	1	9	86.0			1.566594	
2	1	9	79.8			2.420734	
3	2	9	58.4	1935		3.386238	
4	2	9	68.0	1724		4.132431	
5	3	9	80.6	1183	1230	5.003981	
6	1	9	98.6			5.935309	1
7	2	9	75.7	1842		7.343735	
8	1	9	65.9			8.260584	
9	3	9	56.9	1742	1724	8.411372	
10	2	9	81.6	1880		9.395358	
11	1	9	67.9			10.801890	
12	2	9	61.2	1749		11.255605	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	62.4			0.677779	
1	2	8	51.6	1513		1.130075	
2	1	8	69.6			3.094315	
3	3	8	83.3	1081	1368	3.890444	
4	1	8	86.9			4.517257	
5	2	8	51.6	1637		6.007080	1
6	1	8	62.9			7.184293	
7	2	8	70.9	1795		8.244032	
8	2	8	84.3	1770		8.920324	
9	3	8	92.1	1455	1495	10.275971	
10	1	8	81.4			11.822886	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	53.4			0.456454	1
1	1	12	79.4			2.008544	
2	2	12	91.0	1835		3.157564	
3	2	12	65.5	1497		4.288937	
4	2	12	51.4	1276		5.137286	
5	3	12	76.5	1012	1382	6.587595	
6	3	12	58.6	1373	1262	7.921578	
7	3	12	86.3	1556	1874	9.318759	
8	2	12	80.0	1932		9.848399	
9	2	12	66.0	1192		11.917526	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	88.0	1929	1848	0.827148	1
1	2	5	53.2	1777		1.468024	
2	2	5	59.6	1780		1.937842	
3	3	5	84.7	1415	1314	3.133858	
4	2	5	50.8	1848		3.631378	
5	3	5	72.9	1836	1707	4.315653	
6	2	5	67.5	1870		5.498548	
7	1	5	99.8			6.700561	
8	2	5	63.5	1387		6.912898	
9	3	5	64.7	1047	1058	7.811210	
10	1	5	98.4			9.105818	
11	2	5	75.4	1724		10.191562	
12	3	5	56.2	1319	1008	10.669674	
13	2	5	89.6	1724		11.356101	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	88.3	1223	1746	0.496313	1
1	2	10	79.6	1324		1.629935	
2	2	10	87.8	1275		2.521365	
3	2	10	62.4	1948		4.130253	
4	2	10	50.7	1034		4.431010	
5	1	10	80.6			5.751613	
6	1	10	89.6			7.094136	
7	3	10	51.1	1720	1436	8.671407	
8	1	10	70.2			9.310083	
9	2	10	91.5	1517		10.867146	
10	2	10	84.0	1901		11.425642	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	85.2			0.586884	1
1	2	8	93.0	1079		1.171687	
2	2	8	67.9	1037		1.622742	
3	3	8	62.5	1138	1006	2.631292	
4	2	8	93.2	1016		2.930980	
5	2	8	53.5	1327		3.963966	
6	1	8	55.2			4.252225	
7	3	8	56.7	1378	1283	5.545825	
8	1	8	74.8			6.226015	
9	2	8	95.9	1950		6.388969	
10	3	8	51.5	1244	1460	7.688523	
11	2	8	97.5	1641		7.991296	
12	2	8	96.5	1848		9.154721	
13	2	8	50.3	1359		9.189636	
14	2	8	61.9	1133		9.954155	
15	2	8	92.0	1442		10.652292	
16	2	8	88.3	1426		11.523249	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	68.9	1384	1672	0.177743	1
1	1	15	60.8			2.324162	
2	1	15	52.6			3.302570	
3	2	15	62.4	1624		4.721938	
4	2	15	66.6	1644		5.452306	
5	2	15	82.7	1170		7.280414	
6	3	15	50.7	1201	1853	8.864292	
7	2	15	67.0	1965		10.293946	
8	2	15	93.9	1123		11.465000	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	60.0			0.397753	1
1	1	17	53.8			1.067982	
2	2	17	54.8	1198		1.365141	
3	2	17	95.7	1132		2.290394	
4	3	17	76.6	1344	1065	2.839598	
5	3	17	64.8	1124	1814	3.531783	
6	2	17	69.6	1986		3.795389	
7	1	17	80.9			4.771178	
8	2	17	54.7	1771		5.170624	
9	1	17	55.7			5.966366	
10	3	17	57.9	1901	1392	6.123368	
11	3	17	86.5	1293	1126	6.726376	
12	3	17	63.6	1319	1934	7.505075	
13	2	17	66.8	1467		7.963103	
14	3	17	54.0	1155	1585	8.615832	
15	1	17	52.7			9.097543	
16	1	17	66.8			9.835722	
17	1	17	58.7			10.586609	
18	3	17	98.5	1701	1529	11.379231	
19	2	17	59.8	1571		11.491624	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	64.5	1792	1361	0.094923	1
1	2	11	51.1	1130		1.728170	
2	2	11	53.4	1670		4.264530	
3	1	11	74.1			4.666578	
4	2	11	61.3	1576		7.105707	
5	1	11	94.8			8.696812	
6	1	11	93.5			10.407693	
7	2	11	85.8	1173		11.895369	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	75.0	1938	1871	0.526478	1
1	3	17	85.5	1200	1641	1.863623	
2	1	17	50.7			2.876900	
3	2	17	69.8	1076		3.432087	
4	2	17	81.7	1978		5.295370	
5	1	17	86.1			5.990267	
6	3	17	60.9	1986	1190	6.635076	
7	2	17	64.4	1750		8.597553	
8	2	17	91.7	1098		9.617669	
9	2	17	88.8	1163		10.283479	
10	1	17	67.9			11.441615	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	57.5			1.079162	1
1	2	13	86.1	1188		2.357657	
2	3	13	61.9	1623	1841	3.742557	
3	2	13	75.6	1454		4.824048	
4	1	13	56.3			5.744505	
5	3	13	90.7	1938	1231	7.538794	
6	2	13	52.2	1127		9.077716	
7	2	13	86.9	1141		9.612816	
8	2	13	76.9	1003		11.110178	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	79.8	1488		0.579009	1
1	3	13	95.6	1137	1555	1.169127	
2	2	13	96.9	1215		1.872075	
3	1	13	71.3			2.504983	
4	1	13	89.4			2.657332	
5	2	13	50.1	1385		3.535760	
6	3	13	99.8	1506	1750	4.110249	
7	2	13	58.9	1256		4.635406	
8	2	13	73.8	1820		5.611398	
9	1	13	52.3			5.931359	
10	1	13	56.0			6.424818	
11	1	13	76.4			7.031369	
12	1	13	91.8			7.856660	
13	3	13	93.1	1087	1660	8.742085	
14	1	13	53.1			8.932250	
15	2	13	93.7	1276		9.728199	
16	2	13	68.9	1354		10.490314	
17	2	13	93.3	1887		11.061171	
18	3	13	91.6	1709	1744	11.578800	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	83.3			0.495384	
1	2	19	71.4	1991		0.974588	
2	2	19	53.5	1284		1.565540	
3	2	19	86.2	1488		2.162267	
4	1	19	80.4			2.851752	
5	3	19	77.2	1016	1466	3.718404	
6	2	19	92.8	1154		4.305121	
7	2	19	52.7	1667		5.131298	
8	1	19	85.6			5.726746	1
9	2	19	93.2	1254		6.780589	
10	2	19	76.4	1261		7.413227	
11	2	19	72.3	1539		7.980800	
12	1	19	79.0			8.771149	
13	2	19	97.2	1358		9.573046	
14	1	19	85.4			10.536883	
15	2	19	88.7	1768		10.653058	
16	2	19	80.6	1752		11.810831	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	82.8	1277		0.096414	
1	3	16	85.3	1702	1098	1.086906	
2	1	16	85.8			1.827246	
3	1	16	83.1			2.601579	
4	2	16	77.3	1669		3.428096	
5	3	16	91.8	1656	1252	4.019952	
6	2	16	61.5	1473		4.931294	
7	2	16	65.9	1843		5.085191	
8	2	16	77.4	1145		5.968846	1
9	2	16	79.8	1255		6.959788	
10	2	16	75.7	1474		7.389974	
11	1	16	93.9			8.048096	
12	2	16	77.2	1681		8.589728	
13	1	16	59.6			9.757077	
14	1	16	56.8			10.410983	
15	2	16	59.3	1886		10.950403	
16	1	16	88.0			11.889736	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	71.8	1449	1759	0.560902	
1	2	17	78.4	1316		0.934467	
2	3	17	97.7	1856	1788	1.916701	
3	1	17	58.7			2.909554	
4	3	17	93.8	1669	1276	4.032592	
5	2	17	82.8	1968		5.121322	
6	2	17	99.4	1597		5.602465	1
7	3	17	78.2	1303	1081	6.550785	
8	3	17	92.4	1746	1320	8.151405	
9	1	17	55.7			8.973420	
10	1	17	59.8			9.454777	
11	3	17	97.2	1442	1367	10.657090	
12	2	17	52.3	1740		11.178865	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	83.5	1644		0.267849	
1	2	11	96.4	1106		1.331882	
2	2	11	74.2	1430		2.640978	
3	2	11	57.6	1781		4.269296	
4	2	11	64.7	1132		4.445714	
5	2	11	86.2	1181		6.279253	1
6	1	11	91.8			7.291127	
7	2	11	88.9	1237		8.483921	
8	1	11	99.4			8.783796	
9	3	11	71.3	1452	1624	10.130355	
10	2	11	69.0	1199		11.780231	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	83.3	1247		0.657743	
1	2	19	64.4	1091		1.103328	
2	2	19	95.7	1588		2.129632	
3	1	19	79.9			3.212638	
4	2	19	75.8	1796		3.751763	
5	3	19	70.8	1844	1347	4.863011	
6	3	19	74.6	1082	1907	5.530196	
7	3	19	79.4	1499	1396	6.387374	1
8	2	19	91.7	1276		7.423513	
9	2	19	55.4	1767		7.931563	
10	2	19	87.6	1511		9.286626	
11	1	19	57.7			10.217921	
12	2	19	99.3	1083		10.385863	
13	2	19	58.1	1213		11.286255	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	58.2			0.883496	
1	2	17	92.7	1650		1.719111	
2	2	17	74.5	1675		2.524315	
3	3	17	64.3	1463	1303	3.934402	
4	2	17	72.4	1673		4.835053	
5	1	17	64.4			5.367535	
6	2	17	52.9	1756		6.046058	1
7	2	17	90.4	1146		7.077560	
8	2	17	77.4	1838		8.345491	
9	1	17	57.7			9.327292	
10	2	17	63.5	1957		10.436554	
11	2	17	51.9	1532		11.715476	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	82.7	1998		0.038462	1
1	3	15	74.9	1254	1299	1.678793	
2	2	15	85.3	1088		3.011873	
3	1	15	93.7			4.242212	
4	2	15	78.6	1829		4.816834	
5	2	15	51.8	1734		5.851458	
6	3	15	61.4	1579	1680	7.428926	
7	2	15	65.1	1317		8.208017	
8	1	15	72.0			8.997557	
9	3	15	79.1	1049	1648	10.500088	
10	2	15	74.7	1865		11.507514	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	53.4			0.157454	1
1	1	18	95.8			1.360321	
2	2	18	78.8	1772		2.004936	
3	3	18	81.8	1643	1040	2.920777	
4	1	18	82.9			4.527073	
5	2	18	71.6	1349		4.689540	
6	3	18	73.6	1969	1058	5.590197	
7	2	18	79.7	1655		7.145821	
8	2	18	77.6	1385		7.503781	
9	2	18	64.0	1760		9.190846	
10	2	18	58.5	1528		9.642191	
11	1	18	85.7			11.064376	
12	2	18	91.9	1777		11.475690	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	84.5			0.447483	
1	1	10	93.0			1.151504	
2	2	10	66.2	1655		1.428011	
3	1	10	76.0			2.585567	
4	1	10	81.8			2.922681	
5	2	10	80.2	1503		3.708830	
6	1	10	54.4			4.255781	
7	2	10	80.5	1253		4.858894	
8	2	10	75.4	1514		5.553663	
9	1	10	50.6			6.589259	1
10	2	10	61.0	1604		6.794293	
11	1	10	98.3			7.447540	
12	2	10	76.1	1720		8.185003	
13	2	10	70.5	1900		8.897013	
14	1	10	51.3			9.344154	
15	2	10	94.9	1341		10.261001	
16	3	10	54.5	1568	1570	10.796322	
17	2	10	98.9	1066		11.985833	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	93.1	1351		0.547162	
1	2	8	80.2	1876		1.964416	
2	3	8	98.4	1473	1050	2.192812	
3	2	8	55.3	1541		4.116984	
4	1	8	59.3			4.711968	
5	2	8	74.2	1457		6.131037	1
6	2	8	74.3	1651		7.578417	
7	1	8	83.1			8.115376	
8	3	8	71.7	1365	1690	9.235928	
9	2	8	55.7	1813		10.712605	
10	2	8	75.7	1127		11.557537	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	87.4			0.440036	1
1	3	17	65.5	1824	1065	1.436479	
2	3	17	85.3	1594	1236	1.658230	
3	3	17	95.3	1073	1509	2.757188	
4	2	17	67.7	1717		3.454887	
5	2	17	67.1	1448		3.919711	
6	1	17	56.4			4.959067	
7	2	17	61.1	1764		5.776026	
8	1	17	51.8			6.567548	
9	3	17	67.8	1225	1401	7.461178	
10	2	17	57.9	1163		8.160578	
11	2	17	83.3	1196		8.921402	
12	3	17	97.7	1326	1552	9.153052	
13	2	17	95.3	1075		9.938497	
14	2	17	60.4	1217		10.904216	
15	2	17	51.5	1385		11.779582	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	64.4	1615	1133	0.106245	1
1	2	5	65.8	1460		1.320542	
2	1	5	51.3			2.212080	
3	2	5	68.7	1975		2.706745	
4	2	5	68.2	1063		3.749251	
5	1	5	92.6			4.571462	
6	2	5	93.3	1871		5.841318	
7	2	5	68.8	1442		6.275290	
8	3	5	78.1	1036	1318	7.038120	
9	3	5	62.4	1036	1120	8.444006	
10	2	5	77.6	1511		9.103561	
11	1	5	88.8			10.071103	
12	2	5	98.0	1239		10.865294	
13	3	5	84.1	1602	1557	11.305696	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	80.2	1405	1131	0.644888	
1	3	16	58.9	1684	1663	1.276083	
2	3	16	78.2	1352	1965	1.933372	
3	2	16	74.9	1316		2.627198	
4	2	16	68.6	1264		3.282683	
5	3	16	68.3	1323	1595	3.910437	
6	3	16	91.4	1344	1412	4.845574	
7	2	16	64.2	1933		5.549206	
8	2	16	86.2	1184		6.350316	1
9	2	16	99.9	1811		6.959278	
10	2	16	64.9	1045		7.509750	
11	2	16	75.6	1412		8.344458	
12	2	16	98.4	1662		9.217316	
13	3	16	55.6	1811	1000	10.211838	
14	3	16	88.6	1323	1871	10.793857	
15	2	16	51.2	1810		11.858519	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	57.3	1798		0.084467	
1	1	18	90.7			1.544322	
2	2	18	59.5	1221		2.431800	
3	2	18	66.1	1711		4.023144	
4	2	18	72.0	1782		4.500255	
5	3	18	59.1	1034	1319	5.753115	1
6	2	18	89.2	1992		7.601912	
7	1	18	70.6			8.318060	
8	1	18	98.8			8.868433	
9	3	18	59.8	1050	1282	9.961341	
10	2	18	51.4	1599		11.549796	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510.0	9	1.0	333	1	5252.0, 5339.0, 5688.0, 5630.0, 5384.0, 5643.0, 5365.0, 5690.0, 5316.0, 5700.0, 5380.0, 5466.0, 5459.0, 5403.0, 5542.0, 5278.0, 5500.0, 5392.0, 5369.0, 5566.0, 5306.0, 5397.0, 5674.0, 5614.0, 5471.0, 5689.0, 5575.0, 5310.0, 5561.0, 5428.0, 5413.0, 5676.0, 5613.0, 5290.0, 5680.0, 5257.0, 5645.0, 5402.0, 5416.0, 5450.0, 5706.0, 5425.0, 5512.0, 5499.0, 5677.0, 5549.0, 5599.0, 5701.0, 5524.0, 5595.0, 5683.0, 5359.0, 5615.0, 5254.0, 5462.0, 5497.0, 5419.0, 5553.0, 5640.0, 5633.0, 5709.0, 5293.0, 5444.0, 5622.0, 5433.0, 5326.0, 5367.0, 5609.0, 5713.0, 5721.0, 5284.0, 5489.0, 5578.0, 5282.0, 5332.0, 5626.0, 5474.0, 5440.0, 5484.0, 5407.0, 5276.0, 5358.0, 5686.0, 5393.0, 5505.0, 5593.0, 5372.0, 5348.0, 5361.0, 5368.0, 5388.0, 5260.0, 5317.0, 5606.0, 5303.0, 5398.0, 5434.0, 5312.0, 5421.0, 5711.0 (number of hits: 6)
2	5510.0	9	1.0	333	1	5477.0, 5506.0, 5418.0, 5482.0, 5709.0, 5393.0, 5681.0, 5255.0, 5331.0, 5691.0, 5438.0, 5254.0, 5658.0, 5596.0, 5358.0, 5454.0, 5641.0, 5359.0, 5430.0, 5366.0, 5652.0, 5671.0, 5409.0, 5279.0, 5575.0, 5704.0, 5660.0, 5541.0, 5559.0, 5716.0, 5345.0, 5591.0, 5618.0, 5250.0, 5326.0, 5639.0, 5574.0, 5579.0, 5717.0, 5282.0, 5355.0, 5634.0, 5416.0, 5403.0, 5551.0, 5305.0, 5267.0, 5471.0, 5404.0, 5656.0, 5344.0, 5565.0, 5609.0, 5300.0, 5694.0, 5686.0, 5295.0, 5659.0, 5718.0, 5542.0, 5653.0, 5695.0, 5291.0, 5700.0, 5629.0, 5332.0, 5406.0, 5387.0, 5570.0, 5461.0, 5644.0, 5335.0, 5363.0, 5456.0, 5310.0, 5696.0, 5521.0, 5280.0, 5301.0, 5676.0, 5705.0, 5706.0, 5484.0, 5483.0, 5400.0, 5445.0, 5620.0, 5625.0, 5682.0, 5423.0, 5463.0, 5572.0, 5557.0, 5451.0, 5475.0, 5556.0, 5328.0, 5429.0, 5433.0, 5529.0 (number of hits: 2)
3	5510.0	9	1.0	333	1	5419.0, 5403.0, 5336.0, 5330.0, 5312.0, 5682.0, 5495.0, 5398.0, 5569.0, 5445.0, 5619.0, 5362.0, 5262.0, 5449.0, 5722.0, 5415.0, 5378.0, 5340.0, 5693.0, 5676.0, 5546.0, 5593.0, 5255.0, 5609.0, 5703.0, 5456.0, 5296.0, 5701.0, 5480.0, 5391.0, 5582.0, 5458.0, 5476.0, 5343.0, 5688.0, 5460.0, 5485.0, 5496.0, 5393.0, 5533.0, 5502.0, 5614.0, 5277.0, 5518.0, 5610.0, 5565.0, 5723.0, 5718.0, 5273.0, 5588.0, 5395.0, 5347.0, 5490.0, 5316.0, 5464.0, 5377.0, 5356.0, 5566.0, 5709.0, 5372.0, 5541.0, 5543.0, 5430.0, 5364.0, 5662.0,

						5647.0, 5365.0, 5710.0, 5643.0, 5512.0, 5324.0, 5586.0, 5264.0, 5438.0, 5630.0, 5440.0, 5288.0, 5656.0, 5446.0, 5600.0, 5685.0, 5435.0, 5686.0, 5498.0, 5594.0, 5536.0, 5680.0, 5267.0, 5252.0, 5323.0, 5433.0, 5559.0, 5295.0, 5283.0, 5259.0, 5483.0, 5687.0, 5697.0, 5544.0, 5711.0 (number of hits: 6)
4	5510.0	9	1.0	333	1	5485.0, 5377.0, 5512.0, 5424.0, 5360.0, 5467.0, 5577.0, 5658.0, 5362.0, 5302.0, 5284.0, 5560.0, 5258.0, 5526.0, 5454.0, 5593.0, 5390.0, 5409.0, 5312.0, 5326.0, 5501.0, 5552.0, 5606.0, 5626.0, 5503.0, 5695.0, 5540.0, 5313.0, 5536.0, 5574.0, 5566.0, 5699.0, 5315.0, 5661.0, 5425.0, 5693.0, 5278.0, 5343.0, 5559.0, 5430.0, 5573.0, 5297.0, 5534.0, 5481.0, 5677.0, 5320.0, 5459.0, 5670.0, 5436.0, 5513.0, 5519.0, 5676.0, 5455.0, 5707.0, 5565.0, 5619.0, 5434.0, 5631.0, 5335.0, 5720.0, 5615.0, 5267.0, 5388.0, 5492.0, 5672.0, 5547.0, 5719.0, 5556.0, 5351.0, 5667.0, 5306.0, 5511.0, 5610.0, 5269.0, 5498.0, 5307.0, 5399.0, 5614.0, 5456.0, 5537.0, 5545.0, 5635.0, 5544.0, 5522.0, 5366.0, 5717.0, 5364.0, 5474.0, 5476.0, 5639.0, 5630.0, 5546.0, 5592.0, 5644.0, 5473.0, 5684.0, 5429.0, 5457.0, 5516.0, 5466.0 (number of hits: 11)
5	5510.0	9	1.0	333	1	5489.0, 5294.0, 5703.0, 5411.0, 5618.0, 5434.0, 5643.0, 5365.0, 5377.0, 5713.0, 5308.0, 5596.0, 5580.0, 5360.0, 5261.0, 5447.0, 5290.0, 5673.0, 5700.0, 5316.0, 5387.0, 5342.0, 5542.0, 5379.0, 5407.0, 5293.0, 5565.0, 5422.0, 5564.0, 5450.0, 5468.0, 5481.0, 5575.0, 5655.0, 5376.0, 5650.0, 5587.0, 5459.0, 5543.0, 5255.0, 5362.0, 5486.0, 5576.0, 5401.0, 5493.0, 5408.0, 5721.0, 5464.0, 5652.0, 5361.0, 5323.0, 5687.0, 5631.0, 5475.0, 5712.0, 5403.0, 5532.0, 5383.0, 5471.0, 5456.0, 5299.0, 5648.0, 5570.0, 5270.0, 5392.0, 5569.0, 5297.0, 5490.0, 5488.0, 5460.0, 5311.0, 5350.0, 5644.0, 5275.0, 5635.0, 5722.0, 5314.0, 5683.0, 5688.0, 5619.0, 5554.0, 5354.0, 5559.0, 5263.0, 5349.0, 5320.0, 5529.0, 5702.0, 5284.0, 5366.0, 5497.0, 5686.0, 5641.0, 5531.0, 5545.0, 5318.0, 5398.0, 5371.0, 5592.0, 5273.0 (number of hits: 2)
6	5510.0	9	1.0	333	1	5447.0, 5713.0, 5368.0, 5582.0, 5541.0, 5683.0, 5536.0, 5347.0, 5276.0, 5298.0, 5681.0, 5510.0, 5540.0, 5348.0, 5344.0, 5325.0, 5441.0, 5524.0, 5453.0, 5472.0, 5467.0, 5719.0, 5581.0, 5350.0, 5654.0, 5653.0, 5308.0, 5546.0, 5375.0, 5562.0, 5493.0, 5414.0, 5261.0, 5588.0, 5340.0, 5485.0, 5528.0, 5553.0, 5413.0, 5373.0, 5387.0, 5342.0, 5613.0, 5503.0, 5579.0, 5385.0, 5550.0, 5440.0, 5515.0, 5689.0, 5624.0, 5275.0, 5620.0, 5395.0, 5599.0,

						5341.0, 5674.0, 5586.0, 5428.0, 5412.0, 5449.0, 5360.0, 5557.0, 5254.0, 5718.0, 5335.0, 5721.0, 5251.0, 5656.0, 5686.0, 5278.0, 5687.0, 5326.0, 5408.0, 5700.0, 5662.0, 5660.0, 5454.0, 5512.0, 5672.0, 5300.0, 5486.0, 5268.0, 5333.0, 5323.0, 5357.0, 5537.0, 5567.0, 5677.0, 5269.0, 5679.0, 5706.0, 5371.0, 5265.0, 5355.0, 5703.0, 5477.0, 5568.0, 5478.0, 5361.0 (number of hits: 6)
7	5510.0	9	1.0	333	1	5397.0, 5414.0, 5596.0, 5310.0, 5389.0, 5398.0, 5516.0, 5663.0, 5403.0, 5458.0, 5384.0, 5629.0, 5306.0, 5627.0, 5350.0, 5464.0, 5347.0, 5338.0, 5441.0, 5669.0, 5340.0, 5696.0, 5701.0, 5491.0, 5625.0, 5356.0, 5360.0, 5485.0, 5251.0, 5415.0, 5621.0, 5331.0, 5536.0, 5651.0, 5660.0, 5582.0, 5428.0, 5674.0, 5390.0, 5689.0, 5392.0, 5273.0, 5462.0, 5465.0, 5587.0, 5650.0, 5471.0, 5469.0, 5282.0, 5533.0, 5259.0, 5405.0, 5698.0, 5292.0, 5666.0, 5523.0, 5591.0, 5566.0, 5643.0, 5352.0, 5309.0, 5688.0, 5373.0, 5308.0, 5372.0, 5459.0, 5348.0, 5615.0, 5290.0, 5586.0, 5487.0, 5479.0, 5329.0, 5431.0, 5433.0, 5631.0, 5333.0, 5638.0, 5670.0, 5667.0, 5694.0, 5528.0, 5497.0, 5396.0, 5612.0, 5645.0, 5544.0, 5720.0, 5614.0, 5262.0, 5377.0, 5357.0, 5579.0, 5419.0, 5706.0, 5435.0, 5613.0, 5386.0, 5339.0, 5683.0 (number of hits: 3)
8	5510.0	9	1.0	333	1	5463.0, 5372.0, 5439.0, 5546.0, 5679.0, 5572.0, 5259.0, 5617.0, 5547.0, 5497.0, 5401.0, 5675.0, 5385.0, 5593.0, 5460.0, 5416.0, 5368.0, 5553.0, 5673.0, 5522.0, 5571.0, 5684.0, 5422.0, 5501.0, 5408.0, 5610.0, 5381.0, 5369.0, 5656.0, 5407.0, 5565.0, 5695.0, 5348.0, 5464.0, 5403.0, 5493.0, 5691.0, 5514.0, 5498.0, 5294.0, 5548.0, 5544.0, 5487.0, 5278.0, 5387.0, 5561.0, 5298.0, 5288.0, 5452.0, 5345.0, 5380.0, 5351.0, 5358.0, 5359.0, 5469.0, 5393.0, 5543.0, 5310.0, 5357.0, 5482.0, 5426.0, 5555.0, 5510.0, 5255.0, 5709.0, 5532.0, 5533.0, 5635.0, 5641.0, 5441.0, 5513.0, 5308.0, 5646.0, 5311.0, 5581.0, 5705.0, 5690.0, 5429.0, 5274.0, 5603.0, 5643.0, 5276.0, 5256.0, 5352.0, 5317.0, 5472.0, 5717.0, 5367.0, 5297.0, 5616.0, 5252.0, 5591.0, 5583.0, 5423.0, 5523.0, 5384.0, 5346.0, 5628.0, 5574.0, 5636.0 (number of hits: 9)
9	5510.0	9	1.0	333	1	5525.0, 5323.0, 5478.0, 5668.0, 5544.0, 5606.0, 5400.0, 5293.0, 5659.0, 5408.0, 5353.0, 5533.0, 5664.0, 5702.0, 5252.0, 5448.0, 5683.0, 5376.0, 5613.0, 5710.0, 5328.0, 5700.0, 5625.0, 5607.0, 5550.0, 5631.0, 5438.0, 5390.0, 5295.0, 5541.0, 5569.0, 5442.0, 5514.0, 5473.0, 5439.0, 5333.0, 5528.0, 5534.0, 5645.0, 5413.0, 5433.0, 5515.0, 5638.0, 5291.0, 5601.0,

						5496.0, 5363.0, 5663.0, 5277.0, 5409.0, 5411.0, 5273.0, 5511.0, 5475.0, 5590.0, 5582.0, 5368.0, 5624.0, 5352.0, 5346.0, 5697.0, 5720.0, 5507.0, 5479.0, 5477.0, 5417.0, 5665.0, 5522.0, 5386.0, 5614.0, 5562.0, 5503.0, 5350.0, 5542.0, 5667.0, 5420.0, 5440.0, 5276.0, 5470.0, 5396.0, 5474.0, 5401.0, 5279.0, 5303.0, 5526.0, 5370.0, 5282.0, 5351.0, 5677.0, 5509.0, 5620.0, 5490.0, 5621.0, 5578.0, 5465.0, 5498.0, 5615.0, 5263.0, 5310.0, 5579.0 (number of hits: 11)
10	5510.0	9	1.0	333	1	5251.0, 5574.0, 5592.0, 5552.0, 5677.0, 5600.0, 5340.0, 5617.0, 5535.0, 5693.0, 5337.0, 5542.0, 5484.0, 5465.0, 5422.0, 5557.0, 5674.0, 5413.0, 5351.0, 5707.0, 5534.0, 5470.0, 5460.0, 5609.0, 5346.0, 5335.0, 5427.0, 5715.0, 5604.0, 5395.0, 5652.0, 5680.0, 5328.0, 5294.0, 5433.0, 5434.0, 5519.0, 5302.0, 5271.0, 5385.0, 5663.0, 5666.0, 5585.0, 5610.0, 5392.0, 5451.0, 5593.0, 5407.0, 5356.0, 5449.0, 5374.0, 5255.0, 5698.0, 5306.0, 5573.0, 5341.0, 5627.0, 5638.0, 5667.0, 5648.0, 5445.0, 5619.0, 5416.0, 5403.0, 5591.0, 5584.0, 5261.0, 5456.0, 5443.0, 5285.0, 5412.0, 5689.0, 5528.0, 5359.0, 5702.0, 5498.0, 5426.0, 5485.0, 5580.0, 5436.0, 5559.0, 5501.0, 5520.0, 5289.0, 5389.0, 5375.0, 5295.0, 5602.0, 5479.0, 5275.0, 5455.0, 5611.0, 5324.0, 5278.0, 5516.0, 5472.0, 5659.0, 5554.0, 5530.0, 5712.0 (number of hits: 5)
11	5510.0	9	1.0	333	1	5341.0, 5623.0, 5689.0, 5302.0, 5335.0, 5544.0, 5254.0, 5439.0, 5535.0, 5528.0, 5333.0, 5379.0, 5495.0, 5511.0, 5347.0, 5291.0, 5636.0, 5386.0, 5553.0, 5649.0, 5353.0, 5448.0, 5541.0, 5368.0, 5562.0, 5697.0, 5520.0, 5701.0, 5494.0, 5381.0, 5677.0, 5594.0, 5475.0, 5355.0, 5580.0, 5706.0, 5351.0, 5278.0, 5688.0, 5614.0, 5298.0, 5678.0, 5463.0, 5385.0, 5546.0, 5509.0, 5663.0, 5683.0, 5388.0, 5483.0, 5628.0, 5484.0, 5590.0, 5290.0, 5275.0, 5479.0, 5424.0, 5593.0, 5670.0, 5654.0, 5457.0, 5256.0, 5690.0, 5537.0, 5380.0, 5486.0, 5659.0, 5684.0, 5496.0, 5315.0, 5719.0, 5624.0, 5545.0, 5468.0, 5588.0, 5666.0, 5585.0, 5685.0, 5326.0, 5662.0, 5280.0, 5669.0, 5348.0, 5455.0, 5710.0, 5499.0, 5538.0, 5566.0, 5279.0, 5577.0, 5397.0, 5354.0, 5357.0, 5438.0, 5373.0, 5675.0, 5599.0, 5591.0, 5356.0, 5529.0 (number of hits: 7)
12	5510.0	9	1.0	333	1	5417.0, 5458.0, 5679.0, 5319.0, 5375.0, 5385.0, 5453.0, 5367.0, 5456.0, 5364.0, 5451.0, 5612.0, 5315.0, 5459.0, 5309.0, 5685.0, 5723.0, 5441.0, 5574.0, 5622.0, 5251.0, 5273.0, 5452.0, 5445.0, 5552.0, 5295.0, 5433.0, 5357.0, 5468.0, 5694.0, 5720.0, 5646.0, 5643.0, 5489.0, 5349.0,

						5581.0, 5536.0, 5462.0, 5566.0, 5450.0, 5341.0, 5633.0, 5697.0, 5253.0, 5376.0, 5568.0, 5699.0, 5449.0, 5578.0, 5548.0, 5557.0, 5572.0, 5709.0, 5423.0, 5363.0, 5657.0, 5360.0, 5470.0, 5660.0, 5342.0, 5480.0, 5609.0, 5594.0, 5326.0, 5434.0, 5661.0, 5380.0, 5619.0, 5320.0, 5310.0, 5721.0, 5680.0, 5325.0, 5486.0, 5595.0, 5638.0, 5695.0, 5525.0, 5573.0, 5345.0, 5526.0, 5606.0, 5317.0, 5540.0, 5626.0, 5701.0, 5545.0, 5269.0, 5509.0, 5396.0, 5333.0, 5565.0, 5644.0, 5259.0, 5715.0, 5250.0, 5584.0, 5382.0, 5258.0, 5354.0 (number of hits: 3)
13	5510.0	9	1.0	333	1	5573.0, 5392.0, 5549.0, 5283.0, 5569.0, 5706.0, 5648.0, 5449.0, 5690.0, 5631.0, 5647.0, 5501.0, 5612.0, 5534.0, 5718.0, 5559.0, 5632.0, 5320.0, 5310.0, 5489.0, 5411.0, 5322.0, 5433.0, 5408.0, 5483.0, 5524.0, 5272.0, 5448.0, 5378.0, 5602.0, 5349.0, 5359.0, 5469.0, 5668.0, 5653.0, 5630.0, 5661.0, 5342.0, 5315.0, 5466.0, 5597.0, 5705.0, 5670.0, 5304.0, 5373.0, 5575.0, 5507.0, 5554.0, 5478.0, 5677.0, 5262.0, 5678.0, 5721.0, 5405.0, 5699.0, 5307.0, 5412.0, 5665.0, 5437.0, 5335.0, 5622.0, 5696.0, 5266.0, 5657.0, 5432.0, 5627.0, 5368.0, 5574.0, 5435.0, 5724.0, 5521.0, 5345.0, 5317.0, 5649.0, 5338.0, 5337.0, 5429.0, 5523.0, 5325.0, 5468.0, 5683.0, 5679.0, 5280.0, 5529.0, 5542.0, 5717.0, 5560.0, 5394.0, 5421.0, 5664.0, 5423.0, 5314.0, 5293.0, 5518.0, 5570.0, 5255.0, 5582.0, 5642.0, 5608.0, 5599.0 (number of hits: 6)
14	5510.0	9	1.0	333	1	5452.0, 5503.0, 5628.0, 5325.0, 5702.0, 5610.0, 5348.0, 5485.0, 5720.0, 5539.0, 5580.0, 5550.0, 5699.0, 5721.0, 5448.0, 5454.0, 5713.0, 5666.0, 5471.0, 5622.0, 5701.0, 5531.0, 5380.0, 5379.0, 5519.0, 5478.0, 5665.0, 5282.0, 5502.0, 5294.0, 5493.0, 5620.0, 5463.0, 5648.0, 5318.0, 5529.0, 5694.0, 5346.0, 5577.0, 5619.0, 5292.0, 5277.0, 5328.0, 5509.0, 5447.0, 5649.0, 5459.0, 5273.0, 5719.0, 5334.0, 5468.0, 5690.0, 5492.0, 5607.0, 5602.0, 5544.0, 5563.0, 5483.0, 5589.0, 5557.0, 5693.0, 5458.0, 5354.0, 5375.0, 5710.0, 5631.0, 5661.0, 5659.0, 5356.0, 5718.0, 5697.0, 5516.0, 5567.0, 5288.0, 5523.0, 5278.0, 5324.0, 5313.0, 5408.0, 5280.0, 5508.0, 5431.0, 5255.0, 5374.0, 5560.0, 5646.0, 5608.0, 5449.0, 5633.0, 5611.0, 5676.0, 5650.0, 5330.0, 5689.0, 5473.0, 5568.0, 5322.0, 5418.0, 5500.0, 5336.0 (number of hits: 10)
15	5510.0	9	1.0	333	1	5322.0, 5531.0, 5581.0, 5624.0, 5331.0, 5677.0, 5267.0, 5315.0, 5712.0, 5282.0, 5361.0, 5256.0, 5298.0, 5544.0, 5303.0, 5545.0, 5562.0, 5453.0, 5353.0, 5716.0, 5392.0, 5329.0, 5394.0, 5709.0, 5513.0,

						5290.0, 5387.0, 5495.0, 5648.0, 5333.0, 5517.0, 5717.0, 5721.0, 5416.0, 5497.0, 5366.0, 5313.0, 5570.0, 5676.0, 5589.0, 5398.0, 5320.0, 5685.0, 5628.0, 5480.0, 5448.0, 5386.0, 5633.0, 5299.0, 5532.0, 5658.0, 5612.0, 5411.0, 5412.0, 5601.0, 5372.0, 5509.0, 5671.0, 5550.0, 5349.0, 5321.0, 5627.0, 5269.0, 5413.0, 5486.0, 5356.0, 5697.0, 5613.0, 5506.0, 5328.0, 5625.0, 5512.0, 5572.0, 5457.0, 5474.0, 5420.0, 5541.0, 5434.0, 5337.0, 5338.0, 5426.0, 5669.0, 5414.0, 5592.0, 5382.0, 5375.0, 5538.0, 5418.0, 5400.0, 5327.0, 5438.0, 5389.0, 5701.0, 5380.0, 5336.0, 5529.0, 5478.0, 5596.0, 5261.0, 5444.0 (number of hits: 7)
16	5510.0	9	1.0	333	1	5349.0, 5602.0, 5568.0, 5669.0, 5345.0, 5422.0, 5525.0, 5368.0, 5324.0, 5633.0, 5295.0, 5361.0, 5254.0, 5658.0, 5302.0, 5364.0, 5522.0, 5407.0, 5279.0, 5310.0, 5615.0, 5668.0, 5268.0, 5537.0, 5620.0, 5416.0, 5413.0, 5719.0, 5342.0, 5570.0, 5505.0, 5478.0, 5671.0, 5451.0, 5351.0, 5541.0, 5578.0, 5493.0, 5472.0, 5624.0, 5685.0, 5653.0, 5507.0, 5434.0, 5291.0, 5643.0, 5427.0, 5355.0, 5490.0, 5322.0, 5581.0, 5456.0, 5559.0, 5644.0, 5470.0, 5453.0, 5274.0, 5338.0, 5533.0, 5654.0, 5630.0, 5500.0, 5414.0, 5649.0, 5425.0, 5590.0, 5466.0, 5266.0, 5458.0, 5503.0, 5329.0, 5504.0, 5588.0, 5627.0, 5471.0, 5404.0, 5275.0, 5705.0, 5251.0, 5631.0, 5341.0, 5482.0, 5370.0, 5318.0, 5544.0, 5439.0, 5344.0, 5610.0, 5572.0, 5579.0, 5539.0, 5511.0, 5373.0, 5608.0, 5721.0, 5452.0, 5312.0, 5374.0, 5375.0, 5501.0 (number of hits: 10)
17	5510.0	9	1.0	333	1	5400.0, 5419.0, 5495.0, 5339.0, 5499.0, 5474.0, 5630.0, 5256.0, 5637.0, 5643.0, 5622.0, 5483.0, 5472.0, 5453.0, 5655.0, 5343.0, 5331.0, 5568.0, 5518.0, 5549.0, 5609.0, 5532.0, 5300.0, 5345.0, 5618.0, 5405.0, 5436.0, 5446.0, 5502.0, 5611.0, 5631.0, 5301.0, 5486.0, 5283.0, 5359.0, 5370.0, 5369.0, 5591.0, 5684.0, 5279.0, 5547.0, 5476.0, 5294.0, 5340.0, 5432.0, 5592.0, 5445.0, 5431.0, 5427.0, 5430.0, 5676.0, 5646.0, 5296.0, 5587.0, 5603.0, 5566.0, 5376.0, 5629.0, 5262.0, 5614.0, 5536.0, 5308.0, 5408.0, 5364.0, 5500.0, 5378.0, 5261.0, 5607.0, 5530.0, 5650.0, 5394.0, 5433.0, 5575.0, 5683.0, 5640.0, 5448.0, 5252.0, 5447.0, 5318.0, 5438.0, 5548.0, 5711.0, 5409.0, 5361.0, 5564.0, 5541.0, 5309.0, 5542.0, 5480.0, 5596.0, 5303.0, 5527.0, 5372.0, 5506.0, 5380.0, 5546.0, 5606.0, 5664.0, 5482.0, 5551.0 (number of hits: 7)
18	5510.0	9	1.0	333	1	5451.0, 5531.0, 5323.0, 5562.0, 5447.0, 5454.0, 5485.0, 5347.0, 5649.0, 5720.0, 5517.0, 5467.0, 5334.0, 5443.0, 5331.0,

						5270.0, 5629.0, 5611.0, 5317.0, 5420.0, 5650.0, 5401.0, 5462.0, 5521.0, 5481.0, 5468.0, 5515.0, 5407.0, 5514.0, 5336.0, 5441.0, 5325.0, 5671.0, 5541.0, 5698.0, 5504.0, 5640.0, 5295.0, 5547.0, 5596.0, 5341.0, 5639.0, 5605.0, 5375.0, 5495.0, 5431.0, 5525.0, 5382.0, 5709.0, 5679.0, 5345.0, 5654.0, 5561.0, 5460.0, 5701.0, 5487.0, 5597.0, 5537.0, 5288.0, 5570.0, 5501.0, 5322.0, 5409.0, 5287.0, 5576.0, 5268.0, 5551.0, 5267.0, 5581.0, 5282.0, 5445.0, 5326.0, 5383.0, 5571.0, 5540.0, 5659.0, 5339.0, 5477.0, 5397.0, 5306.0, 5524.0, 5464.0, 5624.0, 5371.0, 5465.0, 5545.0, 5463.0, 5449.0, 5713.0, 5483.0, 5723.0, 5591.0, 5414.0, 5381.0, 5380.0, 5311.0, 5250.0, 5523.0, 5582.0, 5589.0 (number of hits: 10)
19	5510.0	9	1.0	333	1	5552.0, 5715.0, 5458.0, 5332.0, 5282.0, 5388.0, 5631.0, 5679.0, 5573.0, 5548.0, 5610.0, 5592.0, 5530.0, 5671.0, 5549.0, 5637.0, 5628.0, 5452.0, 5381.0, 5352.0, 5559.0, 5696.0, 5672.0, 5363.0, 5487.0, 5295.0, 5669.0, 5652.0, 5571.0, 5711.0, 5577.0, 5450.0, 5658.0, 5361.0, 5259.0, 5558.0, 5533.0, 5697.0, 5337.0, 5701.0, 5318.0, 5428.0, 5288.0, 5492.0, 5555.0, 5502.0, 5448.0, 5255.0, 5341.0, 5627.0, 5303.0, 5350.0, 5536.0, 5566.0, 5326.0, 5264.0, 5516.0, 5347.0, 5258.0, 5650.0, 5678.0, 5622.0, 5287.0, 5343.0, 5619.0, 5275.0, 5710.0, 5519.0, 5687.0, 5460.0, 5431.0, 5590.0, 5641.0, 5490.0, 5639.0, 5408.0, 5663.0, 5720.0, 5380.0, 5656.0, 5402.0, 5520.0, 5479.0, 5665.0, 5539.0, 5280.0, 5469.0, 5476.0, 5625.0, 5515.0, 5493.0, 5603.0, 5321.0, 5387.0, 5635.0, 5369.0, 5685.0, 5535.0, 5655.0, 5486.0 (number of hits: 7)
20	5510.0	9	1.0	333	1	5499.0, 5594.0, 5311.0, 5443.0, 5614.0, 5675.0, 5721.0, 5698.0, 5361.0, 5573.0, 5331.0, 5459.0, 5299.0, 5283.0, 5502.0, 5700.0, 5569.0, 5536.0, 5508.0, 5490.0, 5677.0, 5448.0, 5469.0, 5336.0, 5692.0, 5480.0, 5708.0, 5432.0, 5384.0, 5348.0, 5705.0, 5549.0, 5505.0, 5629.0, 5372.0, 5537.0, 5301.0, 5545.0, 5531.0, 5419.0, 5653.0, 5375.0, 5429.0, 5468.0, 5396.0, 5424.0, 5620.0, 5252.0, 5642.0, 5571.0, 5294.0, 5574.0, 5664.0, 5388.0, 5509.0, 5307.0, 5441.0, 5339.0, 5275.0, 5349.0, 5598.0, 5350.0, 5670.0, 5340.0, 5382.0, 5457.0, 5652.0, 5458.0, 5485.0, 5289.0, 5717.0, 5590.0, 5402.0, 5579.0, 5607.0, 5542.0, 5496.0, 5478.0, 5635.0, 5699.0, 5636.0, 5479.0, 5330.0, 5714.0, 5567.0, 5539.0, 5373.0, 5385.0, 5522.0, 5718.0, 5452.0, 5408.0, 5365.0, 5588.0, 5253.0, 5655.0, 5524.0, 5359.0, 5577.0, 5643.0 (number of hits: 8)
21	5510.0	9	1.0	333	1	5290.0, 5616.0, 5441.0, 5597.0, 5557.0,

						5582.0, 5458.0, 5558.0, 5553.0, 5587.0, 5566.0, 5280.0, 5257.0, 5491.0, 5665.0, 5418.0, 5564.0, 5674.0, 5573.0, 5626.0, 5298.0, 5555.0, 5613.0, 5606.0, 5255.0, 5400.0, 5369.0, 5537.0, 5302.0, 5324.0, 5343.0, 5266.0, 5698.0, 5539.0, 5563.0, 5362.0, 5687.0, 5580.0, 5703.0, 5599.0, 5349.0, 5271.0, 5387.0, 5256.0, 5478.0, 5386.0, 5646.0, 5448.0, 5289.0, 5380.0, 5368.0, 5425.0, 5525.0, 5455.0, 5508.0, 5649.0, 5270.0, 5548.0, 5432.0, 5693.0, 5412.0, 5565.0, 5513.0, 5394.0, 5694.0, 5446.0, 5305.0, 5658.0, 5296.0, 5465.0, 5250.0, 5309.0, 5543.0, 5428.0, 5318.0, 5327.0, 5604.0, 5264.0, 5404.0, 5253.0, 5300.0, 5562.0, 5533.0, 5640.0, 5550.0, 5552.0, 5444.0, 5708.0, 5625.0, 5429.0, 5283.0, 5527.0, 5330.0, 5503.0, 5466.0, 5371.0, 5488.0, 5392.0, 5314.0, 5589.0 (number of hits: 5)
22	5510.0	9	1.0	333	1	5395.0, 5274.0, 5493.0, 5702.0, 5376.0, 5360.0, 5433.0, 5557.0, 5442.0, 5632.0, 5668.0, 5272.0, 5636.0, 5438.0, 5400.0, 5332.0, 5287.0, 5352.0, 5619.0, 5260.0, 5444.0, 5699.0, 5293.0, 5423.0, 5681.0, 5411.0, 5257.0, 5674.0, 5567.0, 5583.0, 5610.0, 5351.0, 5611.0, 5326.0, 5669.0, 5474.0, 5712.0, 5634.0, 5330.0, 5550.0, 5354.0, 5476.0, 5377.0, 5469.0, 5340.0, 5429.0, 5478.0, 5473.0, 5259.0, 5450.0, 5576.0, 5670.0, 5322.0, 5289.0, 5362.0, 5700.0, 5642.0, 5383.0, 5628.0, 5292.0, 5630.0, 5422.0, 5432.0, 5591.0, 5537.0, 5277.0, 5467.0, 5558.0, 5678.0, 5645.0, 5264.0, 5420.0, 5345.0, 5641.0, 5679.0, 5625.0, 5689.0, 5484.0, 5521.0, 5329.0, 5446.0, 5455.0, 5268.0, 5461.0, 5543.0, 5267.0, 5523.0, 5466.0, 5573.0, 5562.0, 5449.0, 5343.0, 5361.0, 5344.0, 5516.0, 5584.0, 5577.0, 5603.0, 5279.0, 5371.0 (number of hits: 4)
23	5510.0	9	1.0	333	1	5504.0, 5309.0, 5265.0, 5277.0, 5390.0, 5654.0, 5484.0, 5638.0, 5286.0, 5624.0, 5721.0, 5517.0, 5534.0, 5329.0, 5355.0, 5597.0, 5513.0, 5373.0, 5463.0, 5661.0, 5599.0, 5632.0, 5691.0, 5645.0, 5403.0, 5264.0, 5563.0, 5583.0, 5413.0, 5533.0, 5385.0, 5258.0, 5704.0, 5512.0, 5306.0, 5345.0, 5430.0, 5501.0, 5369.0, 5598.0, 5518.0, 5499.0, 5657.0, 5328.0, 5620.0, 5475.0, 5642.0, 5307.0, 5356.0, 5363.0, 5335.0, 5377.0, 5666.0, 5325.0, 5381.0, 5505.0, 5644.0, 5384.0, 5353.0, 5359.0, 5330.0, 5383.0, 5581.0, 5660.0, 5631.0, 5613.0, 5354.0, 5428.0, 5502.0, 5676.0, 5326.0, 5445.0, 5298.0, 5572.0, 5409.0, 5302.0, 5616.0, 5319.0, 5313.0, 5500.0, 5401.0, 5408.0, 5370.0, 5380.0, 5688.0, 5706.0, 5341.0, 5440.0, 5333.0, 5371.0, 5668.0, 5468.0, 5266.0, 5658.0, 5450.0, 5720.0, 5618.0, 5535.0, 5424.0, 5340.0

						(number of hits: 10)
24	5510.0	9	1.0	333	1	5666.0, 5433.0, 5681.0, 5331.0, 5324.0, 5379.0, 5463.0, 5454.0, 5293.0, 5719.0, 5441.0, 5451.0, 5296.0, 5399.0, 5720.0, 5457.0, 5554.0, 5419.0, 5345.0, 5347.0, 5537.0, 5443.0, 5698.0, 5426.0, 5668.0, 5601.0, 5284.0, 5464.0, 5631.0, 5254.0, 5567.0, 5299.0, 5603.0, 5368.0, 5704.0, 5514.0, 5511.0, 5501.0, 5680.0, 5374.0, 5652.0, 5638.0, 5646.0, 5589.0, 5461.0, 5272.0, 5547.0, 5572.0, 5608.0, 5271.0, 5650.0, 5630.0, 5716.0, 5518.0, 5639.0, 5717.0, 5597.0, 5510.0, 5446.0, 5308.0, 5391.0, 5475.0, 5585.0, 5477.0, 5580.0, 5465.0, 5619.0, 5302.0, 5298.0, 5476.0, 5468.0, 5481.0, 5425.0, 5305.0, 5540.0, 5535.0, 5675.0, 5503.0, 5599.0, 5395.0, 5262.0, 5523.0, 5414.0, 5713.0, 5460.0, 5659.0, 5558.0, 5684.0, 5629.0, 5636.0, 5398.0, 5329.0, 5605.0, 5267.0, 5685.0, 5563.0, 5392.0, 5574.0, 5410.0, 5622.0 (number of hits: 7)
25	5510.0	9	1.0	333	1	5708.0, 5485.0, 5360.0, 5373.0, 5254.0, 5693.0, 5416.0, 5712.0, 5721.0, 5643.0, 5670.0, 5281.0, 5269.0, 5705.0, 5305.0, 5410.0, 5654.0, 5446.0, 5661.0, 5450.0, 5601.0, 5549.0, 5481.0, 5522.0, 5625.0, 5444.0, 5335.0, 5457.0, 5294.0, 5692.0, 5341.0, 5397.0, 5641.0, 5343.0, 5650.0, 5367.0, 5277.0, 5617.0, 5291.0, 5472.0, 5449.0, 5363.0, 5612.0, 5513.0, 5647.0, 5409.0, 5471.0, 5610.0, 5616.0, 5515.0, 5638.0, 5701.0, 5413.0, 5662.0, 5352.0, 5648.0, 5710.0, 5713.0, 5447.0, 5266.0, 5720.0, 5288.0, 5524.0, 5272.0, 5264.0, 5491.0, 5516.0, 5590.0, 5675.0, 5483.0, 5391.0, 5608.0, 5283.0, 5482.0, 5379.0, 5307.0, 5271.0, 5261.0, 5718.0, 5493.0, 5676.0, 5338.0, 5499.0, 5275.0, 5286.0, 5326.0, 5394.0, 5424.0, 5624.0, 5323.0, 5399.0, 5461.0, 5564.0, 5576.0, 5459.0, 5490.0, 5402.0, 5340.0, 5317.0, 5696.0 (number of hits: 7)
26	5510.0	9	1.0	333	1	5596.0, 5585.0, 5360.0, 5484.0, 5643.0, 5275.0, 5443.0, 5298.0, 5711.0, 5371.0, 5509.0, 5610.0, 5592.0, 5290.0, 5640.0, 5618.0, 5699.0, 5581.0, 5320.0, 5546.0, 5702.0, 5426.0, 5277.0, 5603.0, 5433.0, 5289.0, 5448.0, 5486.0, 5535.0, 5495.0, 5678.0, 5616.0, 5305.0, 5661.0, 5536.0, 5639.0, 5333.0, 5368.0, 5554.0, 5415.0, 5530.0, 5588.0, 5271.0, 5374.0, 5680.0, 5317.0, 5684.0, 5468.0, 5553.0, 5674.0, 5294.0, 5503.0, 5594.0, 5475.0, 5461.0, 5370.0, 5457.0, 5708.0, 5300.0, 5686.0, 5645.0, 5378.0, 5254.0, 5407.0, 5624.0, 5675.0, 5354.0, 5291.0, 5692.0, 5394.0, 5283.0, 5425.0, 5399.0, 5577.0, 5518.0, 5720.0, 5587.0, 5570.0, 5552.0, 5423.0, 5410.0, 5673.0, 5635.0, 5473.0, 5389.0, 5701.0, 5453.0, 5445.0, 5648.0, 5662.0,

						5709.0, 5646.0, 5459.0, 5689.0, 5601.0, 5451.0, 5652.0, 5340.0, 5591.0, 5578.0 (number of hits: 4)
27	5510.0	9	1.0	333	1	5636.0, 5577.0, 5265.0, 5530.0, 5428.0, 5308.0, 5498.0, 5575.0, 5637.0, 5508.0, 5342.0, 5714.0, 5400.0, 5258.0, 5285.0, 5374.0, 5596.0, 5673.0, 5371.0, 5472.0, 5259.0, 5589.0, 5604.0, 5560.0, 5652.0, 5634.0, 5629.0, 5699.0, 5318.0, 5324.0, 5475.0, 5569.0, 5690.0, 5474.0, 5559.0, 5600.0, 5608.0, 5370.0, 5422.0, 5303.0, 5555.0, 5365.0, 5651.0, 5253.0, 5312.0, 5506.0, 5668.0, 5649.0, 5360.0, 5571.0, 5618.0, 5487.0, 5292.0, 5509.0, 5611.0, 5528.0, 5710.0, 5715.0, 5622.0, 5682.0, 5602.0, 5522.0, 5267.0, 5490.0, 5518.0, 5587.0, 5497.0, 5495.0, 5550.0, 5452.0, 5671.0, 5352.0, 5358.0, 5722.0, 5473.0, 5527.0, 5638.0, 5310.0, 5397.0, 5565.0, 5617.0, 5321.0, 5615.0, 5535.0, 5533.0, 5645.0, 5693.0, 5445.0, 5440.0, 5489.0, 5431.0, 5401.0, 5691.0, 5419.0, 5413.0, 5302.0, 5305.0, 5556.0, 5590.0, 5369.0 (number of hits: 9)
28	5510.0	9	1.0	333	1	5716.0, 5644.0, 5439.0, 5357.0, 5285.0, 5404.0, 5448.0, 5528.0, 5520.0, 5349.0, 5519.0, 5632.0, 5634.0, 5399.0, 5449.0, 5459.0, 5682.0, 5622.0, 5380.0, 5668.0, 5677.0, 5714.0, 5466.0, 5354.0, 5340.0, 5663.0, 5593.0, 5474.0, 5321.0, 5579.0, 5310.0, 5272.0, 5705.0, 5385.0, 5348.0, 5713.0, 5428.0, 5350.0, 5626.0, 5525.0, 5512.0, 5566.0, 5392.0, 5378.0, 5657.0, 5390.0, 5578.0, 5592.0, 5589.0, 5400.0, 5572.0, 5388.0, 5503.0, 5264.0, 5270.0, 5693.0, 5507.0, 5604.0, 5501.0, 5407.0, 5500.0, 5571.0, 5521.0, 5455.0, 5423.0, 5561.0, 5297.0, 5563.0, 5441.0, 5569.0, 5601.0, 5505.0, 5338.0, 5629.0, 5377.0, 5286.0, 5408.0, 5462.0, 5345.0, 5371.0, 5576.0, 5372.0, 5425.0, 5707.0, 5334.0, 5562.0, 5595.0, 5294.0, 5545.0, 5556.0, 5482.0, 5373.0, 5271.0, 5687.0, 5251.0, 5603.0, 5478.0, 5342.0, 5419.0, 5602.0 (number of hits: 10)
29	5510.0	9	1.0	333	1	5278.0, 5254.0, 5480.0, 5703.0, 5494.0, 5327.0, 5274.0, 5717.0, 5464.0, 5537.0, 5515.0, 5490.0, 5634.0, 5663.0, 5700.0, 5675.0, 5658.0, 5496.0, 5623.0, 5544.0, 5577.0, 5721.0, 5310.0, 5461.0, 5429.0, 5632.0, 5460.0, 5252.0, 5689.0, 5550.0, 5338.0, 5320.0, 5719.0, 5551.0, 5582.0, 5466.0, 5574.0, 5250.0, 5698.0, 5716.0, 5336.0, 5253.0, 5284.0, 5622.0, 5543.0, 5459.0, 5706.0, 5457.0, 5670.0, 5262.0, 5644.0, 5420.0, 5602.0, 5355.0, 5633.0, 5718.0, 5472.0, 5524.0, 5590.0, 5379.0, 5510.0, 5610.0, 5298.0, 5303.0, 5710.0, 5302.0, 5306.0, 5468.0, 5488.0, 5578.0, 5724.0, 5424.0, 5358.0, 5629.0, 5450.0, 5309.0, 5575.0, 5666.0, 5285.0, 5426.0,

						5437.0, 5618.0, 5476.0, 5518.0, 5287.0, 5565.0, 5406.0, 5607.0, 5360.0, 5265.0, 5538.0, 5286.0, 5695.0, 5487.0, 5380.0, 5447.0, 5693.0, 5522.0, 5347.0, 5583.0 (number of hits: 7)
30	5510.0	9	1.0	333	1	5331.0, 5605.0, 5611.0, 5632.0, 5450.0, 5627.0, 5547.0, 5540.0, 5579.0, 5643.0, 5575.0, 5312.0, 5317.0, 5502.0, 5701.0, 5478.0, 5335.0, 5691.0, 5487.0, 5695.0, 5410.0, 5628.0, 5294.0, 5589.0, 5482.0, 5519.0, 5525.0, 5357.0, 5723.0, 5651.0, 5678.0, 5538.0, 5370.0, 5441.0, 5494.0, 5406.0, 5320.0, 5625.0, 5402.0, 5333.0, 5659.0, 5275.0, 5662.0, 5718.0, 5609.0, 5517.0, 5688.0, 5580.0, 5565.0, 5368.0, 5600.0, 5660.0, 5548.0, 5503.0, 5311.0, 5648.0, 5630.0, 5305.0, 5668.0, 5682.0, 5334.0, 5572.0, 5260.0, 5518.0, 5287.0, 5650.0, 5290.0, 5696.0, 5389.0, 5692.0, 5396.0, 5470.0, 5506.0, 5412.0, 5383.0, 5542.0, 5516.0, 5504.0, 5614.0, 5593.0, 5690.0, 5581.0, 5394.0, 5653.0, 5428.0, 5269.0, 5634.0, 5622.0, 5366.0, 5272.0, 5299.0, 5496.0, 5554.0, 5431.0, 5703.0, 5323.0, 5607.0, 5255.0, 5433.0, 5545.0 (number of hits: 11)

Client Mode
Cobalt Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	85 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	61	1.0	878	1
2	59	1.0	898	1
3	57	1.0	938	1
4	83	1.0	638	1
5	81	1.0	658	1
6	63	1.0	838	1
7	74	1.0	718	0
8	95	1.0	558	1
9	99	1.0	538	1
10	92	1.0	578	1
11	72	1.0	738	1
12	65	1.0	818	1
13	78	1.0	678	1
14	102	1.0	518	1
15	67	1.0	798	1
16	35	1.0	1550	1
17	19	1.0	2805	1
18	37	1.0	1436	1
19	20	1.0	2703	1
20	84	1.0	633	1
21	94	1.0	564	1
22	46	1.0	1158	1
23	22	1.0	2443	1
24	70	1.0	761	1
25	69	1.0	766	1
26	21	1.0	2540	1
27	50	1.0	1064	0
28	25	1.0	2133	0
29	24	1.0	2234	1
30	18	1.0	3044	1
Detection Percentage: 90 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	25	4.2	167	1
2	27	2.0	191	1
3	27	3.3	154	1
4	25	3.8	213	1
5	23	2.6	213	1
6	27	1.0	197	0
7	28	4.6	172	1
8	29	2.6	190	1
9	26	4.4	215	0
10	24	4.9	218	1
11	24	3.2	217	1
12	29	1.5	150	1
13	24	4.2	152	0
14	28	2.8	204	1
15	27	1.6	194	1
16	25	1.8	157	0
17	29	4.6	166	1
18	24	4.5	181	1
19	24	2.1	159	0
20	28	3.7	215	1
21	26	2.0	191	1
22	27	2.6	172	1
23	26	4.7	152	1
24	26	1.3	186	1
25	26	2.2	166	1
26	25	1.0	183	1
27	26	4.7	225	1
28	25	5.0	211	1
29	23	4.5	197	1
30	23	2.5	228	1
Detection Percentage: 83.3% (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	9.3	442	1
2	16	6.3	403	1
3	18	6.6	302	0
4	16	9.3	274	1
5	18	8.2	352	1
6	16	7.8	414	1
7	16	9.6	471	1
8	16	7.1	405	1
9	16	7.2	491	1
10	16	6.6	423	0
11	17	7.2	415	1
12	17	6.4	397	1
13	16	9.7	349	1
14	17	7.4	352	1
15	16	7.8	334	1
16	16	6.8	406	0
17	18	6.4	297	1
18	18	7.5	357	1
19	17	6.0	216	1
20	18	8.9	238	1
21	16	6.0	387	1
22	18	9.9	265	1
23	17	8.5	306	1
24	16	9.1	260	1
25	18	9.2	321	1
26	16	6.3	294	1
27	18	9.5	210	1
28	17	6.3	314	1
29	17	7.9	293	0
30	18	9.6	249	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	15.2	321	1
2	12	14.1	232	1
3	15	16.1	333	1
4	12	12.8	216	1
5	16	16.7	289	
6	15	16.4	480	1
7	16	15.4	471	1
8	16	14.2	206	1
9	16	18.4	214	
10	14	13.6	252	1
11	14	11.3	314	1
12	16	16.7	450	1
13	14	15.0	284	1
14	16	18.5	327	1
15	14	19.8	271	
16	13	15.0	295	1
17	15	15.8	366	1
18	13	15.7	343	1
19	12	19.7	201	
20	13	19.8	400	1
21	13	13.8	253	1
22	13	16.3	421	
23	14	19.1	418	1
24	14	14.2	489	1
25	16	19.5	200	1
26	15	15.5	289	
27	13	12.8	468	1
28	16	18.7	351	1
29	15	15.7	228	1
30	14	19.8	485	1
Detection Percentage: 80 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5498.4	1
12	5494.4	1
13	5494.4	1
14	5497.2	1
15	5496.4	1
16	5495.6	1
17	5495.6	1
18	5496.8	1
19	5499.6	1
20	5499.6	1
21	5565.6	1
22	5563.2	1
23	5565.2	1
24	5562.8	1
25	5564.0	1
26	5564.0	1
27	5564.8	1
28	5560.4	1
29	5564.0	1
30	5560.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	94.0	1381		0.589045	
1	1	8	99.3			1.010133	
2	2	8	94.8	1244		1.339144	
3	2	8	70.6	1717		2.261184	
4	1	8	63.3			2.808731	
5	1	8	87.5			3.551992	
6	2	8	69.4	1533		4.204563	
7	2	8	54.8	1223		4.478351	
8	3	8	82.8	1474	1486	5.516085	
9	2	8	84.8	1088		5.752313	1
10	3	8	76.9	1070	1250	6.443924	
11	1	8	55.7			7.002626	
12	3	8	71.1	1827	1821	7.837886	
13	2	8	66.8	1133		8.541570	
14	3	8	100.0	1558	1272	8.977764	
15	3	8	55.6	1980	1126	9.735639	
16	3	8	61.2	1488	1667	10.123042	
17	1	8	99.5			10.983520	
18	3	8	79.1	1837	1280	11.925437	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	87.4	1962		0.390986	
1	3	14	70.2	1999	1955	0.679397	
2	2	14	92.5	1891		1.615492	
3	2	14	97.2	1602		2.115153	
4	3	14	66.9	1033	1105	2.805629	
5	3	14	58.1	1809	1655	3.284980	
6	3	14	61.1	1901	1541	4.359629	
7	2	14	67.3	1069		5.011476	
8	1	14	97.2			5.526474	
9	2	14	62.6	1619		6.288177	1
10	2	14	73.7	1462		6.902054	
11	2	14	82.7	1517		7.229269	
12	2	14	88.1	1599		7.738311	
13	1	14	53.6			8.397040	
14	1	14	66.7			9.386075	
15	1	14	75.1			9.786393	
16	1	14	92.7			10.475372	
17	3	14	100.0	1105	1872	11.089626	
18	2	14	53.3	1242		11.684174	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	86.7			0.121244	1
1	3	10	91.7	1575	1996	0.872059	
2	3	10	80.3	1934	1387	1.466116	
3	2	10	87.8	1151		1.948471	
4	2	10	76.2	1469		2.729525	
5	2	10	59.0	1753		3.016513	
6	1	10	89.9			3.911720	
7	2	10	68.1	1407		4.583111	
8	3	10	52.6	1339	1714	4.958157	
9	2	10	59.9	1772		5.893440	
10	1	10	82.5			6.256508	
11	2	10	91.2	1062		7.014684	
12	2	10	60.7	1849		7.676837	
13	1	10	91.5			7.986082	
14	2	10	97.0	1834		8.970106	
15	3	10	69.3	1751	1810	9.444651	
16	3	10	74.9	1370	1074	9.613357	
17	2	10	80.7	1251		10.626710	
18	2	10	51.9	1498		11.084541	
19	1	10	59.3			11.554189	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	78.6	1988	1159	0.352780	1
1	2	11	89.1	1545		1.187319	
2	2	11	73.9	1085		1.571595	
3	3	11	79.6	1883	1173	2.397928	
4	3	11	72.8	1910	1588	3.512927	
5	2	11	67.2	1354		3.899649	
6	1	11	59.7			4.723599	
7	2	11	91.4	1643		5.636894	
8	2	11	73.1	1299		5.821761	
9	3	11	75.9	1566	1760	6.836122	
10	3	11	96.4	1352	1689	7.260742	
11	2	11	66.7	1832		8.322733	
12	1	11	81.3			9.137259	
13	1	11	88.9			9.871456	
14	1	11	85.4			10.008032	
15	2	11	54.4	1167		10.603665	
16	1	11	67.1			11.793221	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	62.4			0.496973	
1	1	15	55.3			1.149971	
2	3	15	98.1	1159	1745	1.575078	
3	3	15	93.0	1535	1580	2.160903	
4	2	15	91.9	1926		2.789058	
5	2	15	65.4	1081		3.396269	
6	1	15	59.3			4.377290	
7	3	15	71.8	1263	1743	4.845886	
8	2	15	71.9	1709		5.219134	
9	3	15	75.6	1655	1900	6.077016	1
10	1	15	67.2			6.328381	
11	3	15	79.1	1077	1540	7.084439	
12	2	15	55.4	1358		7.987923	
13	1	15	98.3			8.823600	
14	2	15	57.7	1304		8.993272	
15	3	15	91.4	1184	1930	10.058021	
16	2	15	65.3	1769		10.662853	
17	2	15	71.9	1365		10.823768	
18	1	15	90.6			11.795822	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	70.0	1492	1050	0.089396	
1	2	12	71.4	1345		1.491308	
2	3	12	62.2	1904	1608	1.866708	
3	2	12	96.1	1656		3.501199	
4	3	12	90.2	1931	1860	4.143470	
5	2	12	74.1	1982		4.814467	
6	1	12	86.5			6.150032	1
7	1	12	61.7			6.728096	
8	2	12	80.2	1293		7.532822	
9	2	12	82.3	1082		8.993850	
10	2	12	75.3	1432		9.565153	
11	2	12	88.7	1556		10.587632	
12	2	12	59.4	1869		11.973514	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	57.1			0.073553	1
1	2	15	93.7	1068		0.732760	
2	3	15	99.2	1415	1009	1.647225	
3	2	15	76.9	1053		2.431859	
4	3	15	88.7	1581	1731	3.149088	
5	1	15	91.8			3.398443	
6	2	15	64.2	1685		4.451615	
7	2	15	57.2	1861		4.962063	
8	2	15	78.6	1857		5.662237	
9	2	15	90.5	1426		6.653557	
10	2	15	58.4	1037		7.233854	
11	3	15	96.9	1110	1616	7.713811	
12	2	15	55.7	1347		8.513062	
13	2	15	75.9	1814		9.210179	
14	3	15	57.1	1554	1415	9.354095	
15	3	15	94.9	1906	1096	10.535411	
16	1	15	82.8			10.963777	
17	1	15	60.0			11.646699	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	99.3	1002	1421	0.612989	1
1	2	14	87.1	1641		1.286909	
2	2	14	78.0	1753		1.700288	
3	2	14	68.6	1076		2.539373	
4	1	14	61.7			2.892602	
5	2	14	69.6	1947		3.663741	
6	2	14	95.2	1284		4.340703	
7	2	14	78.1	1110		5.033210	
8	2	14	82.7	1348		6.080809	
9	1	14	98.0			6.728297	
10	3	14	59.4	1905	1808	7.093135	
11	2	14	58.4	1443		8.367395	
12	2	14	63.5	1953		8.709974	
13	2	14	58.5	1428		9.369280	
14	3	14	85.1	1290	1841	10.284187	
15	2	14	82.7	1356		10.860476	
16	1	14	63.7			11.958155	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	78.7	1548	1907	0.690001	1
1	3	5	73.2	1158	1996	2.248593	
2	2	5	56.3	1681		3.185573	
3	2	5	66.5	1292		4.080699	
4	3	5	89.3	1559	1583	5.461249	
5	2	5	52.4	1829		6.687172	
6	1	5	65.9			9.170746	
7	2	5	72.3	1324		10.034902	
8	2	5	91.3	1550		11.063989	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	81.2	1511		0.035838	1
1	1	6	57.1			1.261607	
2	1	6	96.9			1.575633	
3	3	6	80.6	1381	1887	2.385058	
4	2	6	55.1	1579		2.905952	
5	3	6	52.3	1100	1566	4.120537	
6	3	6	58.3	1403	1265	4.333049	
7	2	6	98.9	1008		5.616249	
8	2	6	65.0	1120		6.130746	
9	2	6	72.4	1416		6.740075	
10	1	6	92.5			7.143224	
11	2	6	87.3	1804		7.948761	
12	1	6	94.6			8.898654	
13	2	6	62.1	1128		9.573974	
14	3	6	71.7	1773	1616	10.132990	
15	1	6	76.6			11.161192	
16	3	6	64.9	1978	1678	11.976530	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	63.1	1248	1576	0.240871	1
1	1	16	84.8			1.308365	
2	1	16	56.2			2.046150	
3	2	16	95.4	1376		2.945521	
4	2	16	74.2	1693		3.870336	
5	2	16	90.3	1668		4.539287	
6	1	16	71.7			5.339764	
7	2	16	64.7	1937		6.273867	
8	3	16	95.4	1468	1257	6.825598	
9	3	16	73.8	1729	1095	7.520208	
10	2	16	62.6	1538		8.774490	
11	1	16	87.1			9.496881	
12	2	16	85.2	1421		9.939677	
13	2	16	52.6	1639		10.832965	
14	1	16	85.5			11.907669	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	90.1			0.050690	1
1	3	6	85.4	1394	1289	1.567047	
2	1	6	83.2			3.098703	
3	2	6	61.9	1137		4.197476	
4	2	6	70.6	1945		5.689850	
5	3	6	75.6	1155	1468	6.961350	
6	2	6	67.0	1239		7.434507	
7	1	6	75.6			9.263624	
8	2	6	98.7	1357		9.918571	
9	3	6	61.3	1060	1726	11.787157	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	68.4	1678	1240	0.131179	1
1	1	6	56.8			0.942512	
2	2	6	95.2	1005		1.559165	
3	2	6	84.6	1339		2.708628	
4	1	6	61.0			3.739460	
5	3	6	72.5	1661	1961	3.906252	
6	1	6	80.0			4.609261	
7	3	6	96.6	1450	1605	5.599774	
8	3	6	67.9	1061	1856	6.404761	
9	2	6	76.1	1622		7.441553	
10	2	6	53.6	1587		7.595694	
11	2	6	53.5	1884		8.649643	
12	2	6	73.3	1550		9.713398	
13	1	6	55.2			10.016538	
14	2	6	55.1	1780		10.692014	
15	1	6	72.3			11.619301	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	84.2	1480		0.064167	1
1	3	13	74.8	1699	1216	1.656858	
2	1	13	53.2			2.015939	
3	2	13	61.7	1285		3.368826	
4	1	13	93.8			4.065894	
5	2	13	78.4	1609		5.035520	
6	1	13	82.6			6.433146	
7	2	13	82.3	1253		7.882240	
8	2	13	60.1	1155		8.447979	
9	2	13	75.1	1112		9.329591	
10	2	13	69.8	1048		10.188236	
11	2	13	74.7	1224		11.982523	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	71.4	1371	1205	0.451861	1
1	2	11	80.1	1953		2.198866	
2	3	11	82.0	1471	1798	2.719428	
3	1	11	95.1			3.625162	
4	2	11	91.6	1099		5.795688	
5	1	11	50.3			6.318627	
6	2	11	88.7	1835		8.357648	
7	2	11	74.1	1701		9.004131	
8	2	11	90.5	1859		9.810071	
9	1	11	76.0			11.583988	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	67.5	1391		0.215699	1
1	2	9	97.3	1951		1.533961	
2	2	9	97.4	1282		1.913978	
3	2	9	92.8	1124		3.064943	
4	2	9	63.2	1785		4.154352	
5	3	9	50.9	1126	1028	4.945703	
6	1	9	78.7			6.404819	
7	2	9	72.7	1737		7.224301	
8	1	9	76.0			8.001794	
9	2	9	55.4	1203		8.575576	
10	2	9	61.5	1138		9.307803	
11	1	9	75.0			10.271760	
12	2	9	82.1	1333		11.693362	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	57.2			0.213446	1
1	2	9	61.0	1312		0.784705	
2	2	9	75.0	1555		1.618275	
3	3	9	81.4	1030	1769	1.923588	
4	1	9	73.5			2.590645	
5	2	9	78.9	1560		3.040518	
6	2	9	54.9	1985		3.979724	
7	2	9	51.8	1447		4.341202	
8	3	9	95.0	1034	1322	5.392653	
9	2	9	57.7	1245		5.819715	
10	2	9	60.1	1296		6.104663	
11	2	9	97.9	1153		6.846047	
12	2	9	86.6	1982		7.685635	
13	1	9	73.6			8.029590	
14	3	9	95.0	1284	1674	8.451617	
15	1	9	53.0			9.519296	
16	3	9	98.4	1879	1833	10.031008	
17	1	9	50.4			10.688329	
18	2	9	83.1	1577		10.847818	
19	1	9	68.7			11.686703	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	73.3	1586	1254	0.205049	
1	3	12	93.3	1714	1990	1.198404	
2	1	12	51.6			1.679795	
3	2	12	51.5	1046		2.536371	
4	2	12	76.1	1228		3.145132	
5	2	12	65.3	1079		3.747536	
6	2	12	69.8	1461		4.825826	
7	2	12	57.1	1034		5.523471	
8	2	12	78.2	1501		6.213193	1
9	3	12	99.0	1736	1552	6.947816	
10	1	12	62.0			7.082096	
11	2	12	79.2	1269		8.216518	
12	1	12	72.7			8.546550	
13	2	12	79.5	1614		9.567547	
14	3	12	88.0	1107	1189	10.009091	
15	2	12	97.3	1787		10.942282	
16	2	12	59.5	1545		11.462572	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	92.3	1024		0.318546	
1	2	19	65.4	1989		0.949619	
2	3	19	92.7	1149	1195	1.451922	
3	2	19	86.9	1568		2.082610	
4	3	19	78.5	1530	1928	2.591133	
5	3	19	67.5	1038	1617	3.742550	
6	1	19	60.2			4.288396	
7	2	19	93.2	1285		4.692804	
8	2	19	71.0	1983		5.383188	
9	2	19	92.5	1692		5.806243	1
10	3	19	64.0	1403	1302	6.506232	
11	2	19	87.5	1551		7.186461	
12	1	19	88.1			8.138152	
13	3	19	52.8	1136	1797	8.564122	
14	1	19	80.6			9.007727	
15	1	19	53.1			10.032972	
16	2	19	95.0	1552		10.492684	
17	2	19	80.5	1223		11.094574	
18	1	19	90.6			11.648065	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	71.7	1263		0.426262	
1	2	19	76.3	1235		0.660712	
2	2	19	94.1	1736		1.356994	
3	1	19	87.8			2.172345	
4	2	19	87.0	1857		3.121815	
5	3	19	74.4	1430	1078	3.358145	
6	3	19	82.6	1929	1443	3.966589	
7	2	19	71.5	1385		4.975879	
8	3	19	75.7	1529	1996	5.213405	
9	3	19	76.4	1595	1868	6.010911	1
10	1	19	77.9			6.877433	
11	3	19	76.8	1768	1856	7.087088	
12	2	19	80.2	1608		7.887216	
13	2	19	98.6	1813		8.406541	
14	2	19	51.1	1216		9.055405	
15	1	19	67.3			9.784909	
16	2	19	98.0	1745		10.389275	
17	2	19	50.5	1496		10.937012	
18	1	19	53.6			11.605982	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	83.8	1709		0.575722	
1	2	6	55.2	1681		1.015401	
2	1	6	96.3			1.747658	
3	1	6	50.5			2.821436	
4	2	6	83.6	1718		3.850965	
5	2	6	59.3	1418		4.948993	
6	1	6	88.4			5.375901	
7	1	6	75.4			6.242470	1
8	1	6	93.0			7.532902	
9	1	6	71.5			8.374170	
10	3	6	90.2	1740	1387	9.115862	
11	2	6	51.3	1812		9.831666	
12	2	6	58.8	1717		11.055773	
13	3	6	66.8	1650	1748	11.328469	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	96.0	1785		0.936728	1
1	1	12	97.9			1.895801	
2	2	12	64.1	1205		2.629605	
3	2	12	96.6	1328		4.230721	
4	3	12	88.0	1420	1766	5.181469	
5	3	12	77.3	1456	1049	6.100350	
6	2	12	97.7	1134		7.439903	
7	1	12	76.4			8.486004	
8	3	12	68.5	1174	1862	9.221309	
9	1	12	50.6			10.400099	
10	2	12	63.3	1805		11.048779	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	90.0	1860	1131	0.269207	1
1	1	7	75.5			1.694893	
2	2	7	88.4	1158		2.397638	
3	2	7	55.5	1797		3.786884	
4	2	7	92.3	1632		4.644029	
5	2	7	59.3	1934		5.665900	
6	2	7	71.0	1206		6.080649	
7	2	7	79.1	1527		7.270764	
8	1	7	69.8			8.533995	
9	3	7	97.7	1163	1947	9.326522	
10	2	7	89.7	1603		10.128440	
11	2	7	64.9	1268		11.264373	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	86.2	1035		0.901659	1
1	1	13	82.0			1.668326	
2	3	13	96.4	1619	1653	2.778948	
3	2	13	90.6	1644		4.123174	
4	3	13	98.6	1210	1696	6.497493	
5	2	13	96.1	1435		7.902457	
6	1	13	70.7			8.112556	
7	2	13	65.1	1084		9.955136	
8	2	13	90.8	1147		11.352325	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	53.3	1325	1683	0.396945	0
1	1	10	89.7			0.832121	
2	3	10	54.6	1156	1121	1.595368	
3	1	10	99.6			1.933800	
4	2	10	64.2	1970		2.505808	
5	2	10	91.6	1770		3.201106	
6	1	10	56.4			4.148854	
7	1	10	86.4			4.788786	
8	3	10	57.1	1037	1873	5.332103	
9	1	10	97.2			5.549158	
10	3	10	74.5	1040	1848	6.448039	
11	2	10	52.4	1625		7.045486	
12	3	10	67.6	1942	1889	7.248947	
13	1	10	83.1			8.204130	
14	2	10	64.0	1393		8.772135	
15	2	10	79.3	1346		9.443648	
16	2	10	89.0	1848		10.080540	
17	1	10	85.5			10.318672	
18	3	10	94.1	1157	1086	11.244098	
19	1	10	79.2			11.439931	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	68.6	1813		0.530246	1
1	1	10	71.7			2.389350	
2	2	10	69.7	1313		4.473490	
3	3	10	82.4	1981	1291	5.545778	
4	3	10	76.7	1317	1430	7.358008	
5	1	10	53.3			8.267644	
6	2	10	73.9	1089		9.695800	
7	2	10	66.4	1706		11.075977	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	93.9	1655		0.358510	1
1	2	8	99.3	1174		0.941433	
2	2	8	85.9	1674		1.621335	
3	2	8	80.5	1804		1.998911	
4	1	8	83.7			2.648398	
5	2	8	99.3	1624		3.249435	
6	2	8	80.2	1330		4.191979	
7	2	8	50.4	1907		4.651053	
8	1	8	72.4			5.477644	
9	2	8	75.7	1965		5.779149	
10	2	8	58.6	1590		6.850799	
11	2	8	68.7	1113		7.160403	
12	2	8	64.2	1238		7.990832	
13	1	8	89.1			8.386386	
14	3	8	70.6	1131	1391	8.991642	
15	2	8	96.8	1157		9.884716	
16	3	8	59.2	1455	1516	10.400876	
17	3	8	56.6	1534	1763	11.075800	
18	2	8	51.0	1372		11.649816	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	51.7			0.181241	1
1	1	19	96.3			1.596647	
2	2	19	70.0	1505		3.400374	
3	1	19	85.1			4.312197	
4	3	19	51.3	1305	1839	5.292647	
5	3	19	85.8	1536	1371	6.518437	
6	2	19	79.6	1566		7.903707	
7	2	19	88.1	1971		9.042498	
8	1	19	58.4			10.628909	
9	3	19	77.5	1771	1573	11.763877	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	99.4	1900		0.393495	1
1	2	10	79.9	1571		0.835271	
2	3	10	81.3	1679	1449	1.446295	
3	3	10	58.9	1413	1692	2.135479	
4	2	10	87.1	1670		2.702300	
5	3	10	80.9	1564	1223	3.136564	
6	1	10	88.3			3.870011	
7	1	10	94.2			4.214134	
8	2	10	90.8	1281		5.247708	
9	2	10	57.7	1223		5.910881	
10	1	10	54.2			6.065490	
11	2	10	66.1	1101		7.160320	
12	1	10	59.7			7.669097	
13	2	10	51.9	1765		7.949683	
14	2	10	56.4	1453		8.850079	
15	2	10	98.0	1071		9.558966	
16	3	10	54.6	1503	1617	10.143265	
17	2	10	86.7	1052		10.298005	
18	3	10	77.2	1946	1601	10.942363	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	80.0	1864		0.161771	0
1	3	20	88.2	1878	1357	1.858840	
2	1	20	75.9			2.324089	
3	2	20	88.6	1605		3.093938	
4	1	20	56.4			4.297785	
5	1	20	84.2			5.590906	
6	2	20	72.0	1393		6.343099	
7	3	20	65.1	1309	1159	7.074898	
8	3	20	72.5	1316	1799	8.807587	
9	2	20	60.1	1651		9.138773	
10	2	20	89.9	1674		10.005731	
11	1	20	58.1			11.683878	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530.0	9	1.0	333	1	5659.0, 5491.0, 5600.0, 5490.0, 5706.0, 5703.0, 5380.0, 5587.0, 5675.0, 5306.0, 5276.0, 5500.0, 5307.0, 5406.0, 5552.0, 5402.0, 5650.0, 5304.0, 5677.0, 5485.0, 5602.0, 5503.0, 5579.0, 5648.0, 5643.0, 5596.0, 5441.0, 5637.0, 5477.0, 5405.0, 5375.0, 5556.0, 5679.0, 5337.0, 5420.0, 5340.0, 5581.0, 5642.0, 5263.0, 5514.0, 5657.0, 5676.0, 5589.0, 5330.0, 5466.0, 5400.0, 5364.0, 5591.0, 5520.0, 5710.0, 5369.0, 5498.0, 5309.0, 5435.0, 5422.0, 5562.0, 5327.0, 5461.0, 5583.0, 5261.0, 5641.0, 5447.0, 5519.0, 5460.0, 5649.0, 5453.0, 5563.0, 5647.0, 5409.0, 5595.0, 5408.0, 5321.0, 5354.0, 5470.0, 5586.0, 5646.0, 5362.0, 5332.0, 5384.0, 5357.0, 5640.0, 5543.0, 5335.0, 5404.0, 5251.0, 5486.0, 5274.0, 5559.0, 5590.0, 5424.0, 5350.0, 5623.0, 5529.0, 5636.0, 5342.0, 5574.0, 5479.0, 5695.0, 5283.0, 5290.0 (number of hits: 13)
2	5530.0	9	1.0	333	1	5271.0, 5591.0, 5291.0, 5631.0, 5411.0, 5572.0, 5334.0, 5571.0, 5328.0, 5653.0, 5660.0, 5535.0, 5278.0, 5601.0, 5322.0, 5595.0, 5354.0, 5662.0, 5369.0, 5667.0, 5674.0, 5433.0, 5521.0, 5277.0, 5645.0, 5288.0, 5671.0, 5555.0, 5558.0, 5540.0, 5299.0, 5321.0, 5643.0, 5505.0, 5402.0, 5491.0, 5342.0, 5627.0, 5719.0, 5305.0, 5338.0, 5484.0, 5301.0, 5314.0, 5422.0, 5358.0, 5512.0, 5329.0, 5332.0, 5502.0, 5377.0, 5610.0, 5622.0, 5384.0, 5498.0, 5326.0, 5370.0, 5487.0, 5452.0, 5359.0, 5373.0, 5444.0, 5296.0, 5492.0, 5508.0, 5371.0, 5462.0, 5619.0, 5702.0, 5425.0, 5286.0, 5252.0, 5382.0, 5366.0, 5701.0, 5457.0, 5698.0, 5473.0, 5418.0, 5300.0, 5378.0, 5405.0, 5503.0, 5440.0, 5567.0, 5416.0, 5596.0, 5413.0, 5693.0, 5594.0, 5570.0, 5531.0, 5340.0, 5687.0, 5315.0, 5251.0, 5368.0, 5351.0, 5500.0, 5600.0 (number of hits: 15)
3	5530.0	9	1.0	333	1	5440.0, 5488.0, 5505.0, 5482.0, 5364.0, 5646.0, 5544.0, 5379.0, 5640.0, 5553.0, 5502.0, 5697.0, 5292.0, 5263.0, 5691.0, 5401.0, 5630.0, 5654.0, 5713.0, 5259.0, 5508.0, 5670.0, 5717.0, 5511.0, 5434.0, 5333.0, 5683.0, 5660.0, 5347.0, 5503.0, 5695.0, 5383.0, 5435.0, 5715.0, 5438.0, 5422.0, 5528.0, 5302.0, 5330.0, 5557.0, 5543.0, 5515.0, 5437.0, 5536.0, 5533.0, 5509.0, 5355.0, 5450.0, 5343.0, 5714.0, 5304.0, 5638.0, 5466.0, 5723.0, 5283.0, 5512.0, 5489.0, 5394.0, 5400.0, 5571.0, 5548.0, 5266.0, 5623.0, 5293.0, 5296.0,

						5610.0, 5300.0, 5522.0, 5524.0, 5718.0, 5301.0, 5651.0, 5371.0, 5629.0, 5309.0, 5690.0, 5331.0, 5479.0, 5561.0, 5442.0, 5614.0, 5436.0, 5338.0, 5485.0, 5362.0, 5460.0, 5556.0, 5474.0, 5475.0, 5615.0, 5635.0, 5677.0, 5452.0, 5514.0, 5337.0, 5606.0, 5428.0, 5612.0, 5585.0, 5306.0 (number of hits: 21)
4	5530.0	9	1.0	333	1	5365.0, 5610.0, 5584.0, 5403.0, 5641.0, 5272.0, 5721.0, 5395.0, 5351.0, 5332.0, 5518.0, 5465.0, 5679.0, 5502.0, 5264.0, 5697.0, 5387.0, 5684.0, 5717.0, 5299.0, 5257.0, 5564.0, 5473.0, 5394.0, 5278.0, 5635.0, 5507.0, 5254.0, 5696.0, 5709.0, 5288.0, 5619.0, 5335.0, 5454.0, 5410.0, 5692.0, 5703.0, 5639.0, 5373.0, 5659.0, 5374.0, 5647.0, 5498.0, 5687.0, 5509.0, 5379.0, 5706.0, 5677.0, 5372.0, 5475.0, 5434.0, 5402.0, 5685.0, 5655.0, 5290.0, 5391.0, 5500.0, 5521.0, 5554.0, 5316.0, 5686.0, 5425.0, 5651.0, 5256.0, 5296.0, 5401.0, 5510.0, 5325.0, 5276.0, 5689.0, 5317.0, 5252.0, 5435.0, 5463.0, 5588.0, 5573.0, 5667.0, 5483.0, 5298.0, 5605.0, 5661.0, 5488.0, 5520.0, 5682.0, 5542.0, 5614.0, 5285.0, 5723.0, 5499.0, 5637.0, 5513.0, 5414.0, 5470.0, 5674.0, 5704.0, 5369.0, 5305.0, 5662.0, 5644.0, 5583.0 (number of hits: 14)
5	5530.0	9	1.0	333	1	5650.0, 5682.0, 5476.0, 5657.0, 5417.0, 5611.0, 5518.0, 5435.0, 5631.0, 5404.0, 5474.0, 5593.0, 5271.0, 5504.0, 5285.0, 5706.0, 5438.0, 5402.0, 5716.0, 5567.0, 5648.0, 5700.0, 5555.0, 5258.0, 5587.0, 5644.0, 5526.0, 5393.0, 5283.0, 5708.0, 5406.0, 5367.0, 5638.0, 5565.0, 5466.0, 5516.0, 5622.0, 5623.0, 5286.0, 5576.0, 5280.0, 5369.0, 5317.0, 5692.0, 5640.0, 5636.0, 5352.0, 5336.0, 5312.0, 5445.0, 5624.0, 5314.0, 5671.0, 5665.0, 5505.0, 5660.0, 5375.0, 5656.0, 5672.0, 5442.0, 5707.0, 5307.0, 5475.0, 5391.0, 5384.0, 5303.0, 5260.0, 5291.0, 5651.0, 5278.0, 5342.0, 5520.0, 5589.0, 5469.0, 5715.0, 5388.0, 5315.0, 5423.0, 5702.0, 5601.0, 5561.0, 5704.0, 5525.0, 5511.0, 5524.0, 5254.0, 5344.0, 5641.0, 5667.0, 5323.0, 5536.0, 5416.0, 5626.0, 5464.0, 5396.0, 5296.0, 5698.0, 5341.0, 5399.0, 5372.0 (number of hits: 14)
6	5530.0	9	1.0	333	1	5535.0, 5366.0, 5675.0, 5688.0, 5670.0, 5334.0, 5455.0, 5714.0, 5278.0, 5399.0, 5288.0, 5716.0, 5543.0, 5401.0, 5267.0, 5351.0, 5711.0, 5345.0, 5690.0, 5512.0, 5531.0, 5314.0, 5335.0, 5641.0, 5303.0, 5317.0, 5709.0, 5658.0, 5698.0, 5466.0, 5450.0, 5691.0, 5365.0, 5526.0, 5265.0, 5362.0, 5320.0, 5319.0, 5724.0, 5595.0, 5506.0, 5665.0, 5266.0, 5299.0, 5279.0, 5427.0, 5546.0, 5287.0, 5483.0, 5651.0, 5414.0, 5470.0, 5358.0, 5649.0, 5277.0,

						5405.0, 5437.0, 5514.0, 5380.0, 5636.0, 5644.0, 5572.0, 5609.0, 5282.0, 5517.0, 5513.0, 5589.0, 5604.0, 5515.0, 5462.0, 5387.0, 5565.0, 5511.0, 5369.0, 5438.0, 5325.0, 5353.0, 5674.0, 5396.0, 5480.0, 5521.0, 5498.0, 5596.0, 5638.0, 5662.0, 5461.0, 5310.0, 5346.0, 5384.0, 5331.0, 5424.0, 5647.0, 5478.0, 5452.0, 5439.0, 5661.0, 5718.0, 5682.0, 5574.0, 5440.0 (number of hits: 15)
7	5530.0	9	1.0	333	1	5369.0, 5443.0, 5636.0, 5318.0, 5482.0, 5559.0, 5288.0, 5451.0, 5263.0, 5722.0, 5322.0, 5702.0, 5599.0, 5654.0, 5360.0, 5656.0, 5458.0, 5657.0, 5621.0, 5372.0, 5445.0, 5647.0, 5446.0, 5411.0, 5441.0, 5388.0, 5486.0, 5343.0, 5479.0, 5716.0, 5537.0, 5259.0, 5522.0, 5428.0, 5418.0, 5463.0, 5650.0, 5627.0, 5678.0, 5385.0, 5520.0, 5541.0, 5626.0, 5253.0, 5301.0, 5384.0, 5546.0, 5539.0, 5514.0, 5545.0, 5304.0, 5564.0, 5631.0, 5294.0, 5693.0, 5444.0, 5602.0, 5575.0, 5366.0, 5571.0, 5646.0, 5459.0, 5633.0, 5705.0, 5632.0, 5375.0, 5307.0, 5644.0, 5489.0, 5329.0, 5639.0, 5550.0, 5718.0, 5448.0, 5410.0, 5287.0, 5367.0, 5398.0, 5390.0, 5357.0, 5662.0, 5315.0, 5542.0, 5538.0, 5358.0, 5422.0, 5695.0, 5720.0, 5389.0, 5342.0, 5267.0, 5607.0, 5659.0, 5303.0, 5685.0, 5300.0, 5527.0, 5272.0, 5252.0, 5536.0 (number of hits: 15)
8	5530.0	9	1.0	333	1	5535.0, 5334.0, 5474.0, 5307.0, 5637.0, 5379.0, 5719.0, 5614.0, 5273.0, 5377.0, 5342.0, 5496.0, 5618.0, 5716.0, 5587.0, 5253.0, 5475.0, 5549.0, 5432.0, 5345.0, 5550.0, 5711.0, 5437.0, 5690.0, 5473.0, 5421.0, 5567.0, 5705.0, 5511.0, 5628.0, 5304.0, 5409.0, 5339.0, 5278.0, 5659.0, 5355.0, 5663.0, 5410.0, 5687.0, 5501.0, 5332.0, 5683.0, 5590.0, 5433.0, 5315.0, 5703.0, 5313.0, 5422.0, 5368.0, 5531.0, 5576.0, 5632.0, 5452.0, 5609.0, 5371.0, 5288.0, 5670.0, 5279.0, 5580.0, 5314.0, 5493.0, 5477.0, 5481.0, 5311.0, 5340.0, 5488.0, 5396.0, 5537.0, 5498.0, 5700.0, 5416.0, 5400.0, 5541.0, 5679.0, 5630.0, 5426.0, 5312.0, 5305.0, 5462.0, 5424.0, 5447.0, 5548.0, 5707.0, 5310.0, 5562.0, 5374.0, 5415.0, 5641.0, 5388.0, 5651.0, 5518.0, 5456.0, 5341.0, 5601.0, 5357.0, 5633.0, 5393.0, 5335.0, 5270.0, 5526.0 (number of hits: 16)
9	5530.0	9	1.0	333	1	5489.0, 5256.0, 5330.0, 5543.0, 5636.0, 5490.0, 5301.0, 5463.0, 5639.0, 5570.0, 5375.0, 5299.0, 5560.0, 5625.0, 5606.0, 5503.0, 5717.0, 5385.0, 5376.0, 5629.0, 5521.0, 5588.0, 5549.0, 5276.0, 5403.0, 5664.0, 5253.0, 5484.0, 5551.0, 5464.0, 5586.0, 5406.0, 5322.0, 5514.0, 5298.0, 5412.0, 5416.0, 5688.0, 5513.0, 5352.0, 5255.0, 5421.0, 5655.0, 5344.0, 5334.0,

						5283.0, 5316.0, 5716.0, 5398.0, 5546.0, 5324.0, 5441.0, 5610.0, 5665.0, 5602.0, 5488.0, 5671.0, 5418.0, 5305.0, 5644.0, 5694.0, 5353.0, 5601.0, 5660.0, 5410.0, 5566.0, 5308.0, 5307.0, 5365.0, 5487.0, 5435.0, 5523.0, 5704.0, 5399.0, 5509.0, 5585.0, 5306.0, 5348.0, 5430.0, 5390.0, 5682.0, 5262.0, 5633.0, 5320.0, 5584.0, 5572.0, 5429.0, 5384.0, 5640.0, 5355.0, 5454.0, 5715.0, 5261.0, 5394.0, 5254.0, 5496.0, 5702.0, 5679.0, 5474.0, 5699.0 (number of hits: 13)
10	5530.0	9	1.0	333	1	5382.0, 5640.0, 5617.0, 5292.0, 5252.0, 5690.0, 5586.0, 5522.0, 5494.0, 5459.0, 5265.0, 5711.0, 5530.0, 5510.0, 5675.0, 5702.0, 5520.0, 5383.0, 5671.0, 5350.0, 5645.0, 5452.0, 5496.0, 5695.0, 5598.0, 5687.0, 5356.0, 5392.0, 5558.0, 5681.0, 5401.0, 5514.0, 5682.0, 5590.0, 5517.0, 5588.0, 5304.0, 5562.0, 5314.0, 5603.0, 5371.0, 5420.0, 5491.0, 5475.0, 5664.0, 5495.0, 5465.0, 5583.0, 5471.0, 5659.0, 5482.0, 5609.0, 5669.0, 5597.0, 5531.0, 5412.0, 5533.0, 5544.0, 5446.0, 5618.0, 5399.0, 5516.0, 5477.0, 5299.0, 5455.0, 5481.0, 5253.0, 5568.0, 5536.0, 5251.0, 5254.0, 5308.0, 5330.0, 5685.0, 5270.0, 5551.0, 5333.0, 5673.0, 5678.0, 5497.0, 5545.0, 5323.0, 5294.0, 5277.0, 5646.0, 5613.0, 5390.0, 5335.0, 5470.0, 5717.0, 5525.0, 5662.0, 5458.0, 5534.0, 5701.0, 5343.0, 5484.0, 5565.0, 5557.0, 5605.0 (number of hits: 23)
11	5530.0	9	1.0	333	1	5354.0, 5287.0, 5345.0, 5361.0, 5499.0, 5543.0, 5513.0, 5284.0, 5375.0, 5602.0, 5277.0, 5549.0, 5687.0, 5400.0, 5270.0, 5587.0, 5646.0, 5616.0, 5668.0, 5531.0, 5532.0, 5577.0, 5398.0, 5634.0, 5417.0, 5619.0, 5309.0, 5352.0, 5378.0, 5570.0, 5517.0, 5387.0, 5560.0, 5347.0, 5659.0, 5443.0, 5721.0, 5717.0, 5440.0, 5497.0, 5610.0, 5401.0, 5288.0, 5411.0, 5572.0, 5397.0, 5294.0, 5341.0, 5434.0, 5564.0, 5407.0, 5566.0, 5515.0, 5482.0, 5266.0, 5306.0, 5448.0, 5408.0, 5635.0, 5711.0, 5327.0, 5447.0, 5314.0, 5509.0, 5723.0, 5541.0, 5530.0, 5382.0, 5704.0, 5502.0, 5666.0, 5461.0, 5305.0, 5449.0, 5680.0, 5474.0, 5695.0, 5336.0, 5356.0, 5273.0, 5252.0, 5582.0, 5462.0, 5333.0, 5364.0, 5471.0, 5299.0, 5307.0, 5390.0, 5702.0, 5548.0, 5431.0, 5611.0, 5451.0, 5720.0, 5493.0, 5505.0, 5639.0, 5612.0, 5679.0 (number of hits: 19)
12	5530.0	9	1.0	333	1	5568.0, 5358.0, 5683.0, 5536.0, 5459.0, 5398.0, 5547.0, 5639.0, 5502.0, 5388.0, 5684.0, 5443.0, 5696.0, 5469.0, 5705.0, 5434.0, 5494.0, 5567.0, 5332.0, 5713.0, 5505.0, 5270.0, 5295.0, 5389.0, 5254.0, 5314.0, 5424.0, 5627.0, 5686.0, 5615.0, 5719.0, 5483.0, 5292.0, 5263.0, 5413.0,

						5467.0, 5498.0, 5482.0, 5471.0, 5581.0, 5539.0, 5267.0, 5318.0, 5288.0, 5677.0, 5689.0, 5698.0, 5417.0, 5487.0, 5448.0, 5606.0, 5281.0, 5294.0, 5585.0, 5612.0, 5363.0, 5250.0, 5516.0, 5491.0, 5421.0, 5466.0, 5690.0, 5374.0, 5458.0, 5380.0, 5296.0, 5510.0, 5264.0, 5707.0, 5520.0, 5486.0, 5591.0, 5716.0, 5383.0, 5287.0, 5280.0, 5556.0, 5596.0, 5351.0, 5454.0, 5461.0, 5674.0, 5500.0, 5593.0, 5517.0, 5666.0, 5555.0, 5560.0, 5609.0, 5660.0, 5493.0, 5521.0, 5252.0, 5375.0, 5553.0, 5279.0, 5313.0, 5255.0, 5331.0, 5372.0 (number of hits: 19)
13	5530.0	9	1.0	333	1	5687.0, 5678.0, 5255.0, 5270.0, 5262.0, 5649.0, 5470.0, 5474.0, 5397.0, 5592.0, 5556.0, 5619.0, 5653.0, 5690.0, 5299.0, 5473.0, 5373.0, 5337.0, 5706.0, 5669.0, 5492.0, 5465.0, 5308.0, 5329.0, 5709.0, 5609.0, 5697.0, 5530.0, 5498.0, 5607.0, 5524.0, 5274.0, 5324.0, 5293.0, 5554.0, 5517.0, 5419.0, 5442.0, 5415.0, 5488.0, 5287.0, 5273.0, 5617.0, 5689.0, 5348.0, 5359.0, 5289.0, 5632.0, 5563.0, 5700.0, 5354.0, 5543.0, 5345.0, 5392.0, 5625.0, 5675.0, 5672.0, 5496.0, 5536.0, 5686.0, 5353.0, 5535.0, 5281.0, 5656.0, 5662.0, 5460.0, 5485.0, 5475.0, 5467.0, 5597.0, 5552.0, 5332.0, 5717.0, 5425.0, 5514.0, 5603.0, 5309.0, 5438.0, 5407.0, 5537.0, 5499.0, 5482.0, 5426.0, 5658.0, 5616.0, 5660.0, 5441.0, 5571.0, 5716.0, 5358.0, 5544.0, 5591.0, 5395.0, 5600.0, 5453.0, 5576.0, 5478.0, 5304.0, 5674.0, 5637.0 (number of hits: 17)
14	5530.0	9	1.0	333	1	5487.0, 5503.0, 5325.0, 5396.0, 5469.0, 5395.0, 5589.0, 5409.0, 5378.0, 5485.0, 5637.0, 5562.0, 5710.0, 5292.0, 5659.0, 5620.0, 5625.0, 5598.0, 5541.0, 5355.0, 5354.0, 5438.0, 5493.0, 5329.0, 5704.0, 5642.0, 5552.0, 5696.0, 5340.0, 5679.0, 5629.0, 5649.0, 5383.0, 5363.0, 5429.0, 5440.0, 5418.0, 5311.0, 5486.0, 5605.0, 5636.0, 5371.0, 5723.0, 5500.0, 5458.0, 5618.0, 5583.0, 5468.0, 5566.0, 5521.0, 5650.0, 5488.0, 5714.0, 5253.0, 5285.0, 5349.0, 5579.0, 5565.0, 5633.0, 5690.0, 5302.0, 5695.0, 5584.0, 5472.0, 5465.0, 5359.0, 5310.0, 5277.0, 5646.0, 5262.0, 5651.0, 5345.0, 5356.0, 5257.0, 5593.0, 5640.0, 5428.0, 5496.0, 5348.0, 5352.0, 5497.0, 5431.0, 5266.0, 5577.0, 5588.0, 5293.0, 5631.0, 5676.0, 5606.0, 5278.0, 5361.0, 5713.0, 5578.0, 5455.0, 5415.0, 5514.0, 5601.0, 5609.0, 5372.0, 5645.0 (number of hits: 12)
15	5530.0	9	1.0	333	1	5488.0, 5586.0, 5671.0, 5680.0, 5292.0, 5425.0, 5485.0, 5312.0, 5381.0, 5511.0, 5538.0, 5555.0, 5364.0, 5302.0, 5313.0, 5357.0, 5497.0, 5355.0, 5513.0, 5558.0, 5637.0, 5314.0, 5567.0, 5608.0, 5468.0,

						5554.0, 5549.0, 5582.0, 5459.0, 5630.0, 5258.0, 5295.0, 5542.0, 5315.0, 5532.0, 5365.0, 5265.0, 5427.0, 5305.0, 5518.0, 5383.0, 5682.0, 5556.0, 5698.0, 5293.0, 5581.0, 5719.0, 5579.0, 5277.0, 5545.0, 5663.0, 5656.0, 5259.0, 5600.0, 5566.0, 5669.0, 5704.0, 5324.0, 5456.0, 5443.0, 5638.0, 5592.0, 5706.0, 5256.0, 5356.0, 5413.0, 5652.0, 5606.0, 5616.0, 5550.0, 5594.0, 5257.0, 5331.0, 5395.0, 5530.0, 5255.0, 5371.0, 5574.0, 5685.0, 5634.0, 5664.0, 5528.0, 5318.0, 5564.0, 5562.0, 5476.0, 5408.0, 5642.0, 5403.0, 5620.0, 5415.0, 5460.0, 5263.0, 5325.0, 5402.0, 5627.0, 5694.0, 5333.0, 5624.0, 5517.0 (number of hits: 21)
16	5530.0	9	1.0	333	1	5304.0, 5395.0, 5412.0, 5605.0, 5291.0, 5667.0, 5717.0, 5331.0, 5370.0, 5265.0, 5650.0, 5310.0, 5540.0, 5501.0, 5405.0, 5560.0, 5580.0, 5260.0, 5529.0, 5323.0, 5365.0, 5457.0, 5531.0, 5424.0, 5295.0, 5586.0, 5319.0, 5655.0, 5653.0, 5536.0, 5461.0, 5712.0, 5571.0, 5550.0, 5715.0, 5574.0, 5434.0, 5621.0, 5627.0, 5297.0, 5645.0, 5292.0, 5497.0, 5690.0, 5527.0, 5660.0, 5674.0, 5380.0, 5701.0, 5423.0, 5606.0, 5281.0, 5277.0, 5452.0, 5270.0, 5596.0, 5259.0, 5685.0, 5475.0, 5703.0, 5387.0, 5670.0, 5629.0, 5447.0, 5518.0, 5612.0, 5720.0, 5598.0, 5636.0, 5268.0, 5285.0, 5372.0, 5506.0, 5595.0, 5573.0, 5286.0, 5267.0, 5396.0, 5256.0, 5699.0, 5631.0, 5649.0, 5591.0, 5508.0, 5662.0, 5722.0, 5698.0, 5408.0, 5373.0, 5313.0, 5367.0, 5644.0, 5711.0, 5702.0, 5676.0, 5471.0, 5640.0, 5634.0, 5696.0, 5357.0 (number of hits: 12)
17	5530.0	9	1.0	333	1	5682.0, 5718.0, 5439.0, 5447.0, 5644.0, 5686.0, 5320.0, 5624.0, 5487.0, 5459.0, 5372.0, 5532.0, 5603.0, 5344.0, 5723.0, 5565.0, 5283.0, 5600.0, 5287.0, 5639.0, 5302.0, 5350.0, 5615.0, 5364.0, 5588.0, 5289.0, 5548.0, 5677.0, 5691.0, 5345.0, 5389.0, 5403.0, 5687.0, 5440.0, 5647.0, 5373.0, 5721.0, 5340.0, 5645.0, 5375.0, 5451.0, 5468.0, 5414.0, 5323.0, 5602.0, 5343.0, 5464.0, 5604.0, 5715.0, 5658.0, 5610.0, 5307.0, 5477.0, 5393.0, 5496.0, 5559.0, 5399.0, 5685.0, 5525.0, 5450.0, 5642.0, 5575.0, 5449.0, 5708.0, 5269.0, 5680.0, 5325.0, 5374.0, 5395.0, 5285.0, 5457.0, 5335.0, 5426.0, 5571.0, 5623.0, 5328.0, 5582.0, 5305.0, 5634.0, 5550.0, 5441.0, 5262.0, 5371.0, 5352.0, 5284.0, 5359.0, 5508.0, 5652.0, 5273.0, 5326.0, 5523.0, 5665.0, 5520.0, 5648.0, 5392.0, 5369.0, 5276.0, 5574.0, 5661.0, 5462.0 (number of hits: 10)
18	5530.0	9	1.0	333	1	5462.0, 5290.0, 5320.0, 5260.0, 5513.0, 5424.0, 5441.0, 5466.0, 5251.0, 5374.0, 5483.0, 5476.0, 5625.0, 5444.0, 5597.0,

						5322.0, 5637.0, 5610.0, 5415.0, 5429.0, 5527.0, 5313.0, 5345.0, 5668.0, 5344.0, 5512.0, 5635.0, 5650.0, 5335.0, 5272.0, 5407.0, 5671.0, 5712.0, 5443.0, 5584.0, 5252.0, 5286.0, 5356.0, 5265.0, 5674.0, 5350.0, 5496.0, 5482.0, 5325.0, 5307.0, 5456.0, 5645.0, 5719.0, 5563.0, 5690.0, 5347.0, 5612.0, 5255.0, 5626.0, 5295.0, 5449.0, 5440.0, 5627.0, 5533.0, 5261.0, 5536.0, 5652.0, 5423.0, 5433.0, 5683.0, 5327.0, 5492.0, 5283.0, 5542.0, 5723.0, 5608.0, 5430.0, 5263.0, 5404.0, 5623.0, 5481.0, 5477.0, 5413.0, 5691.0, 5485.0, 5521.0, 5507.0, 5509.0, 5348.0, 5665.0, 5663.0, 5408.0, 5426.0, 5409.0, 5464.0, 5687.0, 5662.0, 5257.0, 5352.0, 5692.0, 5602.0, 5459.0, 5473.0, 5274.0, 5401.0 (number of hits: 12)
19	5530.0	9	1.0	333	1	5285.0, 5303.0, 5537.0, 5408.0, 5476.0, 5532.0, 5396.0, 5658.0, 5409.0, 5452.0, 5654.0, 5660.0, 5559.0, 5326.0, 5705.0, 5498.0, 5709.0, 5520.0, 5600.0, 5283.0, 5587.0, 5336.0, 5414.0, 5428.0, 5430.0, 5555.0, 5522.0, 5332.0, 5299.0, 5315.0, 5577.0, 5604.0, 5659.0, 5401.0, 5350.0, 5618.0, 5697.0, 5662.0, 5651.0, 5373.0, 5676.0, 5308.0, 5356.0, 5674.0, 5715.0, 5480.0, 5561.0, 5596.0, 5578.0, 5514.0, 5499.0, 5449.0, 5264.0, 5483.0, 5442.0, 5657.0, 5560.0, 5496.0, 5617.0, 5592.0, 5645.0, 5656.0, 5340.0, 5648.0, 5265.0, 5704.0, 5585.0, 5533.0, 5491.0, 5541.0, 5383.0, 5698.0, 5279.0, 5342.0, 5274.0, 5539.0, 5418.0, 5550.0, 5679.0, 5354.0, 5400.0, 5312.0, 5431.0, 5723.0, 5453.0, 5364.0, 5346.0, 5545.0, 5319.0, 5301.0, 5335.0, 5536.0, 5398.0, 5287.0, 5583.0, 5425.0, 5348.0, 5590.0, 5582.0, 5622.0 (number of hits: 18)
20	5530.0	9	1.0	333	1	5723.0, 5573.0, 5291.0, 5603.0, 5649.0, 5296.0, 5627.0, 5379.0, 5667.0, 5437.0, 5653.0, 5337.0, 5660.0, 5314.0, 5409.0, 5501.0, 5478.0, 5707.0, 5608.0, 5535.0, 5431.0, 5656.0, 5658.0, 5383.0, 5663.0, 5463.0, 5484.0, 5448.0, 5675.0, 5580.0, 5640.0, 5531.0, 5260.0, 5620.0, 5269.0, 5704.0, 5298.0, 5628.0, 5451.0, 5721.0, 5487.0, 5466.0, 5471.0, 5302.0, 5541.0, 5683.0, 5415.0, 5624.0, 5410.0, 5534.0, 5294.0, 5413.0, 5378.0, 5626.0, 5584.0, 5325.0, 5369.0, 5311.0, 5326.0, 5713.0, 5445.0, 5566.0, 5322.0, 5318.0, 5345.0, 5539.0, 5407.0, 5307.0, 5720.0, 5495.0, 5329.0, 5677.0, 5582.0, 5483.0, 5271.0, 5596.0, 5583.0, 5419.0, 5555.0, 5473.0, 5671.0, 5392.0, 5333.0, 5303.0, 5289.0, 5346.0, 5527.0, 5398.0, 5604.0, 5718.0, 5283.0, 5645.0, 5611.0, 5684.0, 5279.0, 5503.0, 5479.0, 5405.0, 5399.0, 5545.0 (number of hits: 12)
21	5530.0	9	1.0	333	1	5460.0, 5624.0, 5391.0, 5267.0, 5503.0,

						5417.0, 5430.0, 5290.0, 5352.0, 5414.0, 5258.0, 5377.0, 5584.0, 5497.0, 5539.0, 5653.0, 5626.0, 5422.0, 5680.0, 5667.0, 5547.0, 5544.0, 5563.0, 5279.0, 5556.0, 5508.0, 5273.0, 5505.0, 5412.0, 5611.0, 5690.0, 5478.0, 5594.0, 5442.0, 5498.0, 5382.0, 5397.0, 5522.0, 5572.0, 5295.0, 5322.0, 5672.0, 5375.0, 5609.0, 5284.0, 5559.0, 5285.0, 5634.0, 5448.0, 5434.0, 5480.0, 5647.0, 5515.0, 5372.0, 5449.0, 5543.0, 5464.0, 5676.0, 5482.0, 5396.0, 5483.0, 5429.0, 5636.0, 5351.0, 5477.0, 5718.0, 5489.0, 5317.0, 5339.0, 5679.0, 5459.0, 5283.0, 5413.0, 5608.0, 5716.0, 5404.0, 5657.0, 5286.0, 5670.0, 5720.0, 5500.0, 5678.0, 5428.0, 5617.0, 5311.0, 5407.0, 5419.0, 5603.0, 5266.0, 5425.0, 5665.0, 5536.0, 5562.0, 5349.0, 5411.0, 5619.0, 5444.0, 5280.0, 5278.0, 5717.0 (number of hits: 17)
22	5530.0	9	1.0	333	1	5328.0, 5416.0, 5320.0, 5589.0, 5624.0, 5503.0, 5713.0, 5255.0, 5415.0, 5254.0, 5585.0, 5517.0, 5302.0, 5643.0, 5411.0, 5296.0, 5525.0, 5610.0, 5375.0, 5613.0, 5394.0, 5679.0, 5453.0, 5456.0, 5568.0, 5325.0, 5455.0, 5474.0, 5321.0, 5347.0, 5360.0, 5472.0, 5486.0, 5546.0, 5279.0, 5299.0, 5426.0, 5693.0, 5476.0, 5617.0, 5660.0, 5618.0, 5630.0, 5262.0, 5488.0, 5442.0, 5524.0, 5327.0, 5441.0, 5305.0, 5605.0, 5592.0, 5622.0, 5580.0, 5480.0, 5412.0, 5724.0, 5353.0, 5450.0, 5306.0, 5409.0, 5339.0, 5354.0, 5531.0, 5690.0, 5675.0, 5304.0, 5644.0, 5529.0, 5696.0, 5458.0, 5446.0, 5614.0, 5611.0, 5635.0, 5648.0, 5695.0, 5449.0, 5615.0, 5363.0, 5661.0, 5430.0, 5379.0, 5683.0, 5544.0, 5625.0, 5454.0, 5400.0, 5654.0, 5380.0, 5444.0, 5565.0, 5559.0, 5356.0, 5431.0, 5460.0, 5485.0, 5721.0, 5408.0, 5508.0 (number of hits: 11)
23	5530.0	9	1.0	333	1	5447.0, 5317.0, 5307.0, 5453.0, 5463.0, 5458.0, 5616.0, 5454.0, 5509.0, 5635.0, 5634.0, 5669.0, 5492.0, 5410.0, 5633.0, 5522.0, 5574.0, 5261.0, 5678.0, 5263.0, 5565.0, 5266.0, 5404.0, 5427.0, 5390.0, 5623.0, 5532.0, 5663.0, 5271.0, 5510.0, 5371.0, 5296.0, 5618.0, 5583.0, 5496.0, 5461.0, 5361.0, 5617.0, 5594.0, 5567.0, 5488.0, 5449.0, 5425.0, 5667.0, 5649.0, 5494.0, 5681.0, 5338.0, 5346.0, 5309.0, 5344.0, 5381.0, 5407.0, 5644.0, 5257.0, 5722.0, 5679.0, 5647.0, 5684.0, 5621.0, 5579.0, 5570.0, 5703.0, 5713.0, 5648.0, 5421.0, 5354.0, 5434.0, 5380.0, 5495.0, 5396.0, 5467.0, 5576.0, 5459.0, 5357.0, 5578.0, 5555.0, 5530.0, 5288.0, 5343.0, 5313.0, 5419.0, 5471.0, 5536.0, 5619.0, 5372.0, 5590.0, 5484.0, 5568.0, 5587.0, 5673.0, 5596.0, 5289.0, 5671.0, 5646.0, 5545.0, 5286.0, 5379.0, 5622.0, 5369.0

						(number of hits: 14)
24	5530.0	9	1.0	333	1	5704.0, 5353.0, 5302.0, 5333.0, 5435.0, 5489.0, 5372.0, 5703.0, 5494.0, 5612.0, 5369.0, 5439.0, 5354.0, 5682.0, 5578.0, 5660.0, 5520.0, 5362.0, 5424.0, 5557.0, 5696.0, 5638.0, 5516.0, 5627.0, 5264.0, 5502.0, 5419.0, 5694.0, 5341.0, 5675.0, 5356.0, 5433.0, 5254.0, 5443.0, 5663.0, 5293.0, 5295.0, 5441.0, 5695.0, 5315.0, 5659.0, 5681.0, 5563.0, 5591.0, 5319.0, 5280.0, 5385.0, 5320.0, 5679.0, 5477.0, 5671.0, 5465.0, 5475.0, 5352.0, 5483.0, 5304.0, 5430.0, 5331.0, 5607.0, 5375.0, 5301.0, 5677.0, 5658.0, 5496.0, 5406.0, 5697.0, 5512.0, 5622.0, 5531.0, 5549.0, 5615.0, 5582.0, 5390.0, 5321.0, 5279.0, 5285.0, 5711.0, 5463.0, 5685.0, 5670.0, 5626.0, 5586.0, 5255.0, 5377.0, 5447.0, 5396.0, 5431.0, 5403.0, 5554.0, 5544.0, 5513.0, 5693.0, 5442.0, 5551.0, 5724.0, 5497.0, 5517.0, 5345.0, 5652.0, 5491.0 (number of hits: 16)
25	5530.0	9	1.0	333	1	5629.0, 5531.0, 5524.0, 5556.0, 5620.0, 5415.0, 5552.0, 5704.0, 5411.0, 5264.0, 5389.0, 5324.0, 5419.0, 5545.0, 5481.0, 5356.0, 5343.0, 5473.0, 5509.0, 5319.0, 5316.0, 5593.0, 5298.0, 5436.0, 5252.0, 5284.0, 5698.0, 5603.0, 5655.0, 5251.0, 5462.0, 5326.0, 5361.0, 5350.0, 5639.0, 5525.0, 5468.0, 5355.0, 5323.0, 5456.0, 5674.0, 5554.0, 5563.0, 5619.0, 5720.0, 5327.0, 5277.0, 5690.0, 5422.0, 5669.0, 5390.0, 5582.0, 5451.0, 5712.0, 5713.0, 5310.0, 5371.0, 5250.0, 5716.0, 5287.0, 5454.0, 5601.0, 5302.0, 5697.0, 5256.0, 5488.0, 5721.0, 5561.0, 5398.0, 5682.0, 5633.0, 5443.0, 5585.0, 5308.0, 5570.0, 5465.0, 5392.0, 5295.0, 5528.0, 5543.0, 5687.0, 5334.0, 5575.0, 5647.0, 5605.0, 5717.0, 5536.0, 5455.0, 5431.0, 5385.0, 5551.0, 5476.0, 5271.0, 5510.0, 5341.0, 5440.0, 5491.0, 5330.0, 5497.0, 5664.0 (number of hits: 16)
26	5530.0	9	1.0	333	1	5283.0, 5273.0, 5376.0, 5705.0, 5322.0, 5689.0, 5454.0, 5716.0, 5703.0, 5535.0, 5595.0, 5293.0, 5300.0, 5515.0, 5724.0, 5592.0, 5312.0, 5406.0, 5287.0, 5367.0, 5647.0, 5361.0, 5591.0, 5534.0, 5253.0, 5565.0, 5438.0, 5610.0, 5651.0, 5711.0, 5386.0, 5661.0, 5395.0, 5623.0, 5433.0, 5321.0, 5378.0, 5337.0, 5401.0, 5571.0, 5422.0, 5719.0, 5628.0, 5540.0, 5519.0, 5630.0, 5672.0, 5333.0, 5652.0, 5493.0, 5427.0, 5637.0, 5505.0, 5426.0, 5370.0, 5669.0, 5295.0, 5330.0, 5635.0, 5369.0, 5631.0, 5306.0, 5559.0, 5314.0, 5486.0, 5713.0, 5714.0, 5388.0, 5385.0, 5457.0, 5658.0, 5304.0, 5624.0, 5299.0, 5625.0, 5415.0, 5596.0, 5443.0, 5585.0, 5598.0, 5429.0, 5611.0, 5368.0, 5262.0, 5461.0, 5311.0, 5411.0, 5546.0, 5707.0, 5409.0,

						5617.0, 5485.0, 5574.0, 5645.0, 5447.0, 5382.0, 5602.0, 5481.0, 5272.0, 5356.0 (number of hits: 10)
27	5530.0	9	1.0	333	1	5298.0, 5589.0, 5588.0, 5610.0, 5501.0, 5327.0, 5502.0, 5557.0, 5574.0, 5622.0, 5563.0, 5370.0, 5371.0, 5516.0, 5386.0, 5378.0, 5325.0, 5453.0, 5413.0, 5544.0, 5510.0, 5614.0, 5421.0, 5704.0, 5383.0, 5519.0, 5643.0, 5625.0, 5289.0, 5517.0, 5549.0, 5687.0, 5429.0, 5617.0, 5619.0, 5587.0, 5565.0, 5306.0, 5649.0, 5407.0, 5697.0, 5268.0, 5577.0, 5265.0, 5672.0, 5323.0, 5280.0, 5353.0, 5681.0, 5435.0, 5423.0, 5355.0, 5713.0, 5582.0, 5538.0, 5685.0, 5633.0, 5427.0, 5333.0, 5321.0, 5598.0, 5506.0, 5296.0, 5250.0, 5548.0, 5566.0, 5569.0, 5369.0, 5585.0, 5595.0, 5635.0, 5480.0, 5437.0, 5449.0, 5482.0, 5440.0, 5641.0, 5499.0, 5464.0, 5310.0, 5278.0, 5638.0, 5694.0, 5710.0, 5400.0, 5693.0, 5586.0, 5520.0, 5518.0, 5438.0, 5456.0, 5562.0, 5504.0, 5718.0, 5720.0, 5684.0, 5257.0, 5450.0, 5448.0, 5350.0 (number of hits: 20)
28	5530.0	9	1.0	333	1	5706.0, 5462.0, 5485.0, 5261.0, 5556.0, 5471.0, 5622.0, 5425.0, 5723.0, 5566.0, 5669.0, 5415.0, 5576.0, 5675.0, 5375.0, 5662.0, 5294.0, 5596.0, 5698.0, 5540.0, 5334.0, 5454.0, 5473.0, 5536.0, 5627.0, 5405.0, 5310.0, 5322.0, 5609.0, 5324.0, 5452.0, 5639.0, 5255.0, 5514.0, 5424.0, 5601.0, 5646.0, 5606.0, 5563.0, 5303.0, 5503.0, 5626.0, 5404.0, 5567.0, 5650.0, 5351.0, 5479.0, 5711.0, 5616.0, 5305.0, 5453.0, 5631.0, 5465.0, 5299.0, 5569.0, 5350.0, 5619.0, 5386.0, 5624.0, 5288.0, 5366.0, 5603.0, 5565.0, 5368.0, 5410.0, 5710.0, 5654.0, 5657.0, 5531.0, 5427.0, 5383.0, 5709.0, 5369.0, 5693.0, 5719.0, 5527.0, 5285.0, 5557.0, 5388.0, 5301.0, 5281.0, 5346.0, 5612.0, 5461.0, 5489.0, 5559.0, 5518.0, 5589.0, 5507.0, 5492.0, 5478.0, 5395.0, 5515.0, 5562.0, 5272.0, 5714.0, 5354.0, 5525.0, 5336.0, 5397.0 (number of hits: 19)
29	5530.0	9	1.0	333	1	5434.0, 5294.0, 5455.0, 5541.0, 5546.0, 5500.0, 5278.0, 5385.0, 5405.0, 5659.0, 5318.0, 5621.0, 5629.0, 5390.0, 5536.0, 5391.0, 5332.0, 5339.0, 5644.0, 5553.0, 5462.0, 5327.0, 5563.0, 5482.0, 5498.0, 5549.0, 5291.0, 5722.0, 5610.0, 5702.0, 5513.0, 5507.0, 5685.0, 5251.0, 5721.0, 5499.0, 5331.0, 5336.0, 5512.0, 5263.0, 5461.0, 5386.0, 5446.0, 5422.0, 5674.0, 5632.0, 5589.0, 5284.0, 5316.0, 5472.0, 5593.0, 5449.0, 5585.0, 5352.0, 5260.0, 5575.0, 5394.0, 5605.0, 5454.0, 5421.0, 5526.0, 5490.0, 5671.0, 5642.0, 5342.0, 5486.0, 5560.0, 5606.0, 5682.0, 5537.0, 5457.0, 5418.0, 5650.0, 5381.0, 5313.0, 5705.0, 5429.0, 5309.0, 5534.0, 5484.0,

						5438.0, 5530.0, 5451.0, 5494.0, 5701.0, 5480.0, 5709.0, 5356.0, 5639.0, 5676.0, 5475.0, 5369.0, 5287.0, 5285.0, 5662.0, 5523.0, 5268.0, 5660.0, 5557.0, 5677.0 (number of hits: 20)
30	5530.0	9	1.0	333	1	5376.0, 5351.0, 5574.0, 5289.0, 5349.0, 5374.0, 5459.0, 5293.0, 5469.0, 5564.0, 5610.0, 5533.0, 5652.0, 5411.0, 5563.0, 5698.0, 5262.0, 5667.0, 5661.0, 5590.0, 5458.0, 5490.0, 5556.0, 5252.0, 5505.0, 5431.0, 5714.0, 5706.0, 5481.0, 5620.0, 5461.0, 5716.0, 5319.0, 5368.0, 5414.0, 5534.0, 5606.0, 5373.0, 5450.0, 5479.0, 5391.0, 5723.0, 5320.0, 5475.0, 5258.0, 5271.0, 5532.0, 5491.0, 5699.0, 5287.0, 5664.0, 5651.0, 5552.0, 5486.0, 5565.0, 5557.0, 5506.0, 5277.0, 5333.0, 5628.0, 5455.0, 5624.0, 5424.0, 5708.0, 5717.0, 5397.0, 5682.0, 5519.0, 5321.0, 5576.0, 5387.0, 5721.0, 5488.0, 5399.0, 5256.0, 5328.0, 5578.0, 5500.0, 5703.0, 5302.0, 5362.0, 5697.0, 5599.0, 5691.0, 5442.0, 5648.0, 5528.0, 5301.0, 5598.0, 5537.0, 5306.0, 5390.0, 5712.0, 5494.0, 5668.0, 5408.0, 5577.0, 5449.0, 5359.0, 5592.0 (number of hits: 16)

Client Mode
Pine Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	96.7 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	80%	Pass
Type 5	30	96.7 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	62	1.0	858	1
2	83	1.0	638	1
3	18	1.0	3066	1
4	72	1.0	738	1
5	65	1.0	818	1
6	92	1.0	578	1
7	57	1.0	938	1
8	63	1.0	838	1
9	67	1.0	798	1
10	89	1.0	598	1
11	99	1.0	538	1
12	70	1.0	758	1
13	81	1.0	658	0
14	102	1.0	518	1
15	61	1.0	878	1
1	59	1.0	907	1
2	42	1.0	1284	1
3	30	1.0	1795	1
4	27	1.0	1961	1
5	25	1.0	2146	1
6	21	1.0	2631	1
7	22	1.0	2431	1
8	47	1.0	1124	1
9	44	1.0	1212	1
10	25	1.0	2194	1
11	28	1.0	1939	1
12	36	1.0	1478	1
13	39	1.0	1378	1
14	54	1.0	987	0
15	77	1.0	689	1
Detection Percentage: 93.3 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	27	3.0	173	1
2	26	4.7	220	1
3	27	1.0	207	1
4	26	2.3	185	1
5	27	1.6	219	0
6	26	3.8	161	1
7	24	4.1	201	1
8	23	1.4	185	1
9	23	4.2	190	1
10	28	3.4	223	1
11	24	3.0	229	1
12	28	2.1	180	1
13	29	4.6	189	1
14	29	2.0	202	1
15	24	1.9	229	1
16	25	1.1	224	1
17	25	3.2	225	1
18	25	4.0	173	1
19	28	4.3	186	1
20	25	2.4	165	1
21	24	1.8	181	1
22	27	1.0	151	1
23	29	4.9	165	1
24	28	4.2	181	1
25	29	4.7	221	1
26	25	4.9	196	1
27	28	4.8	190	1
28	25	5.0	225	1
29	25	1.2	181	1
30	25	3.4	203	1
Detection Percentage: 96.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.5	366	1
2	18	8.0	201	1
3	17	9.6	284	1
4	16	9.9	397	1
5	16	7.8	353	1
6	17	8.7	495	1
7	16	9.8	433	1
8	16	6.8	233	1
9	18	9.2	218	1
10	16	6.7	307	1
11	16	6.1	326	1
12	18	7.6	208	0
13	16	7.9	316	1
14	16	6.8	330	0
15	16	9.0	480	1
16	17	9.5	416	1
17	18	6.8	430	1
18	16	9.4	329	1
19	16	9.2	396	1
20	18	8.7	293	1
21	18	8.8	465	1
22	18	9.0	374	1
23	18	8.3	379	1
24	18	7.5	336	1
25	18	7.3	216	1
26	17	8.8	354	1
27	16	8.0	484	1
28	17	7.1	456	0
29	16	6.1	429	1
30	17	6.6	205	1
Detection Percentage: 90 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	14	17.5	336	1
2	15	12.4	392	1
3	12	11.4	465	1
4	14	12.5	437	0
5	14	12.9	302	1
6	12	11.9	395	1
7	16	19.4	332	1
8	14	15.2	363	1
9	13	12.7	253	1
10	13	14.3	258	0
11	15	14.8	330	1
12	14	18.6	230	1
13	12	11.7	458	1
14	14	15.7	432	1
15	16	12.2	367	1
16	16	15.0	357	1
17	13	18.1	274	1
18	14	15.2	219	1
19	12	16.7	364	1
20	14	18.5	462	1
21	15	17.9	446	1
22	15	12.8	261	0
23	12	11.0	361	0
24	12	17.2	268	1
25	13	13.1	235	1
26	13	11.4	328	1
27	12	18.7	404	1
28	16	17.6	261	1
29	13	18.0	438	1
30	16	17.2	255	1
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	0
10	5500.0	1
11	5494.3	1
12	5499.1	1
13	5499.1	1
14	5496.3	1
15	5496.3	1
16	5493.9	1
17	5495.5	1
18	5494.3	1
19	5494.3	1
20	5496.7	1
21	5502.1	1
22	5503.3	1
23	5501.3	1
24	5506.1	1
25	5502.1	1
26	5502.1	1
27	5503.3	1
28	5504.1	1
29	5502.1	1
30	5506.1	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	83.3	1171		0.131522	
1	2	10	54.8	1598		1.480201	
2	3	10	65.6	1679	1258	2.138179	
3	1	10	66.7			2.831370	
4	2	10	61.9	1175		3.287467	
5	3	10	84.4	1617	1678	4.716683	
6	3	10	87.8	1066	1495	4.870206	
7	2	10	83.6	1560		6.019737	1
8	1	10	55.5			6.420354	
9	3	10	96.0	1610	1179	7.635948	
10	3	10	54.1	1582	1945	8.564105	
11	1	10	60.6			9.436931	
12	2	10	56.8	1550		10.369578	
13	2	10	81.6	1267		11.186342	
14	2	10	53.4	1320		11.915810	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	52.9	1308	1238	0.513654	
1	3	6	98.0	1093	1531	0.865907	
2	3	6	69.5	1677	1342	1.854033	
3	2	6	78.0	1529		3.102144	
4	1	6	89.0			4.032853	
5	3	6	65.6	1944	1376	4.533402	
6	1	6	68.3			5.591380	
7	2	6	80.7	1800		6.744717	1
8	3	6	57.8	1212	1834	7.096283	
9	1	6	56.9			8.494003	
10	2	6	58.5	1695		9.396714	
11	3	6	92.8	1536	1978	10.048196	
12	1	6	86.3			10.293419	
13	2	6	90.2	1359		11.403933	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	91.0			0.718048	1
1	2	10	91.9	1791		1.370397	
2	1	10	73.0			2.454624	
3	2	10	56.5	1150		2.699588	
4	2	10	88.5	1001		4.231835	
5	2	10	80.5	1626		4.995912	
6	3	10	90.4	1480	1225	5.840349	
7	3	10	80.1	1812	1881	6.064618	
8	2	10	78.1	1935		7.023882	
9	1	10	77.4			8.294515	
10	3	10	82.3	1228	1867	8.976203	
11	3	10	83.8	1015	1764	9.865785	
12	1	10	81.3			10.961185	
13	1	10	59.2			11.525096	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	78.0	1873		1.021334	1
1	2	9	50.9	1205		1.663107	
2	1	9	97.7			2.960978	
3	2	9	90.2	1306		4.044690	
4	2	9	63.8	1039		5.546179	
5	1	9	73.2			6.668186	
6	3	9	70.0	1275	1829	9.303086	
7	2	9	63.0	1584		10.046122	
8	3	9	67.4	1572	1331	11.898663	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	88.3	1042	1750	0.600520	
1	1	12	76.6			1.108718	
2	1	12	91.7			1.758778	
3	1	12	52.7			2.468182	
4	2	12	73.8	1964		2.639608	
5	1	12	69.6			3.550334	
6	1	12	70.2			3.898589	
7	1	12	83.8			4.644026	
8	1	12	92.3			5.096258	
9	2	12	94.4	1919		6.190532	1
10	2	12	58.4	1396		6.535310	
11	2	12	90.4	1103		7.565536	
12	3	12	89.1	1082	1528	7.644030	
13	2	12	59.8	1779		8.705496	
14	3	12	68.1	1069	1694	9.255527	
15	2	12	90.5	1494		9.898656	
16	3	12	73.7	1828	1219	10.167659	
17	2	12	82.4	1528		11.362483	
18	2	12	61.2	1230		11.380841	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	62.9	1825	1260	0.412962	
1	2	9	97.5	1763		1.794951	
2	1	9	89.1			1.899208	
3	2	9	99.9	1374		2.904695	
4	3	9	91.6	1158	1046	4.355717	
5	1	9	72.8			5.314038	
6	1	9	52.5			5.541208	1
7	1	9	69.7			6.714376	
8	2	9	51.2	1357		7.662326	
9	2	9	59.8	1871		8.741328	
10	1	9	56.2			9.921974	
11	2	9	98.5	1094		10.718580	
12	3	9	98.7	1989	1967	11.684241	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	77.9	1817	1801	0.157759	
1	3	8	61.9	1968	1868	1.337018	
2	2	8	80.1	1013		2.165648	
3	2	8	74.2	1234		2.904974	
4	2	8	95.5	1101		3.577815	
5	3	8	84.4	1076	1620	4.253858	
6	1	8	99.3			5.554018	
7	2	8	58.3	1197		6.278124	1
8	1	8	88.6			6.428766	
9	1	8	76.8			7.210746	
10	3	8	65.3	1240	1080	8.307846	
11	3	8	98.2	1750	1709	9.547765	
12	2	8	50.0	1850		10.045496	
13	2	8	82.3	1243		10.592891	
14	2	8	85.2	1765		11.697519	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	86.8	1836		0.295768	
1	3	13	53.3	1959	1677	1.191935	
2	2	13	93.4	1791		1.883142	
3	1	13	91.5			2.908459	
4	1	13	95.6			4.026170	
5	1	13	96.9			4.615494	
6	1	13	53.2			5.152906	
7	3	13	62.3	1602	1414	6.313964	1
8	3	13	60.4	1593	1569	7.466929	
9	1	13	58.4			7.861517	
10	2	13	60.7	1753		8.913809	
11	1	13	59.7			9.575217	
12	2	13	73.1	1903		10.994265	
13	2	13	99.3	1808		11.554651	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	71.4	1443		0.404910	
1	2	10	59.9	1246		0.772414	
2	2	10	71.0	1473		1.722994	
3	2	10	96.2	1705		2.431898	
4	2	10	84.0	1587		2.824155	
5	2	10	53.0	1444		3.455736	
6	2	10	98.1	1681		3.811008	
7	2	10	60.5	1722		4.443581	
8	1	10	64.5			5.079481	
9	1	10	95.5			5.851677	1
10	2	10	77.7	1034		6.664200	
11	2	10	52.1	1958		7.247699	
12	1	10	99.1			7.994943	
13	2	10	82.1	1037		8.562319	
14	2	10	51.3	1889		9.192709	
15	1	10	94.5			9.658185	
16	2	10	76.9	1577		10.486350	
17	2	10	63.1	1373		10.885120	
18	2	10	91.6	1167		11.500333	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	80.5	1959		0.987414	
1	2	6	61.1	1029		1.014748	
2	3	6	87.5	1243	1906	2.125234	
3	1	6	98.8			3.542293	
4	3	6	64.3	1424	1646	4.239928	
5	2	6	93.1	1900		5.572952	
6	1	6	55.5			6.064496	1
7	2	6	61.4	1215		7.939728	
8	1	6	61.1			8.604755	
9	2	6	69.5	1283		9.427534	
10	2	6	55.3	1586		10.886913	
11	1	6	53.9			11.835116	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	60.2	1973	1196	1.083856	1
1	3	7	99.6	1337	1132	2.106458	
2	2	7	59.0	1935		3.077027	
3	3	7	70.0	1785	2000	4.447005	
4	1	7	71.1			5.091121	
5	2	7	90.9	1532		6.984942	
6	1	7	68.3			7.961188	
7	2	7	64.2	1030		8.700591	
8	1	7	67.7			10.013622	
9	1	7	94.1			11.952442	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	61.5	1544		0.594915	1
1	2	19	56.8	1056		0.665163	
2	2	19	51.0	1699		1.750481	
3	3	19	74.8	1199	1731	2.451199	
4	2	19	64.3	1716		2.832840	
5	2	19	77.2	1372		3.323803	
6	3	19	77.7	1599	1876	4.295452	
7	2	19	79.8	1428		4.969412	
8	3	19	69.2	1225	1732	5.097873	
9	1	19	60.7			6.050098	
10	1	19	97.1			6.477990	
11	3	19	52.1	1651	1590	7.328534	
12	3	19	55.3	1684	1893	8.078919	
13	2	19	82.9	1029		8.786356	
14	1	19	70.5			9.436289	
15	2	19	67.8	1606		10.083053	
16	2	19	71.7	1800		10.212173	
17	1	19	95.5			10.851999	
18	1	19	65.7			11.430129	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	55.6	1485		0.802432	1
1	1	19	73.4			1.323942	
2	2	19	89.5	1440		2.633433	
3	3	19	57.5	1850	1200	3.291180	
4	2	19	82.4	1827		4.618210	
5	2	19	67.1	1410		5.786875	
6	2	19	67.7	1795		6.548513	
7	2	19	81.8	1790		8.035749	
8	1	19	92.6			9.698844	
9	3	19	75.1	1476	1016	10.852498	
10	2	19	81.6	1967		11.927902	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	79.7	1540	1591	0.349920	1
1	2	12	73.2	1816		1.431563	
2	3	12	74.0	1301	1722	2.072384	
3	2	12	95.6	1388		2.668082	
4	3	12	57.8	1245	1252	3.214991	
5	2	12	56.4	1212		4.132077	
6	2	12	80.1	1424		4.755857	
7	2	12	86.1	1936		5.274753	
8	2	12	77.1	1573		6.566043	
9	3	12	69.9	1704	1513	6.975709	
10	3	12	60.3	1538	1906	7.534522	
11	1	12	84.7			8.403411	
12	1	12	82.5			9.092001	
13	2	12	79.2	1718		10.123218	
14	2	12	71.2	1571		10.892162	
15	3	12	70.6	1244	1331	11.367087	

Bin5 Statistic 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	91.2	1890		0.006575	
1	1	12	69.8			0.722225	
2	1	12	59.4			1.936087	
3	2	12	67.4	1898		2.161542	
4	1	12	100.0			3.462844	
5	2	12	62.8	1369		3.890109	
6	3	12	70.9	1313	1096	4.687553	
7	2	12	79.9	1018		4.942790	
8	2	12	61.3	1732		5.883992	1
9	3	12	79.3	1802	1132	6.727559	
10	2	12	55.6	1907		7.734064	
11	2	12	86.6	1811		8.282973	
12	3	12	70.4	1817	1532	8.758231	
13	2	12	59.0	1989		9.589416	
14	2	12	75.5	1140		10.140891	
15	1	12	96.0			11.039640	
16	1	12	72.1			11.403098	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	50.1	1817		0.120169	
1	1	6	61.8			1.385573	
2	3	6	61.8	1445	1061	2.286479	
3	2	6	54.8	1513		3.271518	
4	3	6	94.9	1353	1525	4.190144	
5	1	6	95.5			5.386910	
6	3	6	88.1	1777	1978	6.095897	1
7	1	6	62.2			7.160123	
8	3	6	57.9	1768	1047	7.865404	
9	2	6	51.1	1196		9.116685	
10	3	6	92.8	1884	1560	9.713887	
11	3	6	66.2	1005	1987	10.793034	
12	1	6	96.2			11.920239	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	76.6	1551	1534	0.002982	1
1	2	10	91.1	1109		1.378572	
2	1	10	86.4			2.046516	
3	3	10	65.8	1431	1460	3.341426	
4	3	10	96.1	1163	1595	3.746145	
5	3	10	55.0	1994	1141	4.447704	
6	3	10	79.7	1418	1348	5.897919	
7	2	10	55.9	1090		6.276464	
8	1	10	92.8			7.329544	
9	3	10	68.7	1783	1903	7.934896	
10	3	10	51.0	1749	1512	8.804265	
11	3	10	82.0	1224	1273	9.576173	
12	3	10	56.9	1172	1783	11.073622	
13	2	10	85.8	1523		11.221519	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	77.2	1746	1361	0.408670	1
1	2	7	83.3	1517		1.359758	
2	2	7	84.3	1843		2.370774	
3	2	7	88.9	1916		2.837355	
4	2	7	55.7	1975		4.419736	
5	3	7	92.0	1660	1089	5.263258	
6	1	7	67.6			5.906429	
7	2	7	58.5	1392		6.955264	
8	2	7	93.0	1638		7.872324	
9	1	7	87.3			8.844339	
10	1	7	81.2			9.835105	
11	3	7	51.3	1449	1021	10.955374	
12	2	7	94.3	1871		11.312899	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	92.7			0.420216	
1	2	7	97.0	1010		1.189111	
2	1	7	77.1			2.136845	
3	3	7	55.7	1922	1581	2.516531	
4	2	7	77.2	1786		3.669453	
5	1	7	90.9			4.145134	
6	1	7	80.8			5.102852	
7	2	7	67.6	1364		6.328435	1
8	3	7	63.3	1497	1298	6.628973	
9	1	7	67.6			7.333986	
10	1	7	69.1			8.267608	
11	2	7	67.8	1084		9.580394	
12	1	7	82.0			9.615796	
13	3	7	94.1	1029	1416	11.025360	
14	3	7	56.9	1860	1569	11.918817	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	72.0	1107		0.214272	
1	1	13	87.7			1.314536	
2	1	13	69.6			2.037330	
3	3	13	59.1	1624	1046	2.664954	
4	1	13	98.9			3.674824	
5	3	13	89.3	1298	1597	4.843310	
6	1	13	64.8			5.607427	
7	3	13	83.3	1997	1357	6.525192	1
8	2	13	52.4	1613		7.413257	
9	1	13	75.4			7.783327	
10	3	13	64.9	1973	1071	9.074148	
11	1	13	98.0			10.067512	
12	1	13	60.1			10.805998	
13	2	13	74.5	1090		11.208968	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	96.8	1189		0.703201	1
1	2	16	91.0	1303		1.154612	
2	2	16	68.6	1553		2.002963	
3	2	16	61.6	1418		2.279175	
4	2	16	93.8	1825		3.044119	
5	2	16	50.6	1881		4.423323	
6	1	16	90.3			5.184916	
7	2	16	89.8	1758		5.810457	
8	3	16	72.4	1201	1232	6.545652	
9	2	16	53.9	1344		7.271892	
10	2	16	62.5	1862		7.786124	
11	3	16	96.5	1459	1549	8.415277	
12	1	16	67.8			9.615589	
13	3	16	82.8	1764	1255	10.166824	
14	1	16	80.9			11.114175	
15	3	16	67.0	1797	1792	11.472317	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	55.5	1321		0.154158	1
1	3	13	59.7	1759	1035	2.372770	
2	1	13	59.6			3.836670	
3	1	13	51.7			5.924479	
4	1	13	94.9			7.012750	
5	2	13	55.7	1091		8.757006	
6	3	13	98.4	1766	1786	10.160402	
7	1	13	99.6			11.916285	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	91.7	1398	1827	0.267287	
1	3	18	66.7	1353	1772	0.678471	
2	3	18	82.4	1498	1003	1.381147	
3	1	18	57.8			1.977357	
4	2	18	59.1	1437		2.958149	
5	3	18	88.3	1969	1153	3.722096	
6	3	18	91.3	1487	1937	4.153355	
7	3	18	54.1	1197	1320	5.018500	
8	2	18	66.6	1452		5.515781	
9	3	18	56.7	1126	1208	6.179011	1
10	2	18	76.8	1352		6.521275	
11	2	18	96.0	1689		7.199787	
12	2	18	56.1	1602		8.021188	
13	1	18	87.8			8.581994	
14	1	18	56.6			9.462832	
15	1	18	66.5			10.030105	
16	1	18	76.0			10.641110	
17	2	18	92.5	1382		10.873306	
18	2	18	79.0	1338		11.426883	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	53.4	1578	1549	0.087124	
1	3	6	81.0	1667	1189	0.980727	
2	1	6	74.3			1.742166	
3	2	6	82.4	1446		2.274947	
4	2	6	61.4	1734		3.025732	
5	2	6	82.2	1857		3.541460	
6	2	6	50.6	1046		4.282352	
7	2	6	95.5	1150		4.786221	
8	2	6	98.0	1929		5.604002	
9	3	6	63.5	1660	1559	6.510715	1
10	2	6	60.6	1971		6.680578	
11	2	6	59.2	1914		7.367636	
12	2	6	93.4	1478		8.560884	
13	2	6	82.6	1987		9.014752	
14	2	6	96.8	1493		9.428875	
15	1	6	97.1			10.564106	
16	2	6	79.8	1943		11.273781	
17	2	6	97.2	1519		11.818897	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	70.7	1864		0.343641	
1	2	16	80.4	1089		1.135979	
2	2	16	99.1	1440		1.557033	
3	2	16	68.8	1794		2.099149	
4	2	16	63.5	1884		2.688161	
5	2	16	73.7	1363		3.480785	
6	2	16	68.1	1106		4.532441	
7	2	16	80.6	1028		5.320180	
8	2	16	94.3	1791		5.622938	
9	2	16	94.7	1915		6.166759	1
10	3	16	91.6	1659	1318	7.184605	
11	3	16	76.4	1382	1271	7.693040	
12	1	16	55.3			8.455914	
13	3	16	54.5	1978	1220	8.858010	
14	2	16	65.0	1600		9.386764	
15	2	16	93.9	1672		10.600473	
16	3	16	67.4	1412	1616	10.808013	
17	1	16	95.6			11.472656	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	75.3	1369	1566	0.049350	1
1	2	16	61.2	1070		1.002942	
2	2	16	60.5	1016		1.474694	
3	2	16	57.2	1259		1.917233	
4	1	16	95.9			2.535305	
5	2	16	67.5	1039		3.587796	
6	3	16	87.7	1428	1831	3.652979	
7	1	16	90.3			4.659266	
8	2	16	84.0	1440		4.892087	
9	2	16	64.5	1501		5.645125	
10	2	16	78.4	1334		6.092646	
11	2	16	90.5	1642		7.163512	
12	2	16	97.3	1903		7.603781	
13	3	16	60.4	1628	1556	8.077424	
14	3	16	75.8	1788	1234	8.634880	
15	3	16	72.0	1481	1689	9.490598	
16	2	16	94.1	1662		9.955343	
17	2	16	97.0	1966		10.738502	
18	2	16	67.6	1463		10.936274	
19	2	16	80.0	1525		11.715009	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	51.9	1992	1063	0.472374	1
1	1	13	57.6			0.870530	
2	2	13	97.2	1844		1.649209	
3	1	13	63.0			2.036857	
4	2	13	98.8	1143		3.189843	
5	1	13	71.0			3.725538	
6	2	13	76.4	1713		4.526572	
7	2	13	69.7	1031		5.293262	
8	2	13	80.5	1421		5.399802	
9	2	13	55.7	1544		6.565889	
10	2	13	73.4	1833		6.824062	
11	3	13	58.9	1954	1739	7.958152	
12	3	13	72.9	1167	1277	8.287585	
13	2	13	69.4	1206		8.767576	
14	2	13	51.5	1124		9.741773	
15	3	13	83.3	1830	1450	10.443705	
16	3	13	68.7	1441	1309	10.704015	
17	1	13	65.0			11.364686	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	52.4	1295		1.005201	1
1	2	11	93.2	1990		2.166237	
2	1	11	77.0			2.844873	
3	2	11	69.7	1539		3.965041	
4	2	11	97.3	1030		5.099392	
5	2	11	75.8	1019		6.029333	
6	2	11	67.0	1650		7.714896	
7	2	11	99.6	1440		8.536376	
8	3	11	92.3	1539	1021	9.974065	
9	2	11	88.3	1204		11.726755	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	59.0	1789		0.389746	1
1	2	16	51.9	1653		1.821440	
2	2	16	52.6	1797		2.405067	
3	3	16	70.7	1709	1731	4.635403	
4	2	16	73.0	1631		5.874007	
5	1	16	64.6			7.174388	
6	3	16	57.4	1322	1040	7.378548	
7	3	16	54.3	1053	1817	9.548526	
8	1	16	61.5			9.727623	
9	1	16	88.8			10.856117	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	99.9			0.049627	1
1	2	6	60.5	1186		1.229959	
2	3	6	67.0	1102	1489	1.870090	
3	1	6	99.5			2.549636	
4	3	6	61.6	1622	1252	3.540324	
5	2	6	71.8	1790		4.031450	
6	2	6	73.4	1728		4.796094	
7	2	6	50.3	1328		5.635884	
8	2	6	95.3	1210		6.159651	
9	1	6	66.9			7.172906	
10	1	6	69.2			7.626893	
11	3	6	92.8	1597	1992	8.636263	
12	3	6	54.6	1052	1023	9.104410	
13	3	6	61.4	1858	1312	10.400157	
14	2	6	74.1	1620		10.831880	
15	3	6	59.2	1713	1928	11.691632	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500.0	9	1.0	333	1	5705.0, 5588.0, 5592.0, 5557.0, 5279.0, 5461.0, 5686.0, 5407.0, 5720.0, 5444.0, 5264.0, 5654.0, 5402.0, 5618.0, 5337.0, 5575.0, 5273.0, 5489.0, 5432.0, 5677.0, 5589.0, 5683.0, 5494.0, 5566.0, 5635.0, 5590.0, 5570.0, 5422.0, 5582.0, 5634.0, 5596.0, 5475.0, 5663.0, 5449.0, 5610.0, 5688.0, 5703.0, 5319.0, 5295.0, 5666.0, 5488.0, 5623.0, 5308.0, 5321.0, 5652.0, 5565.0, 5638.0, 5706.0, 5473.0, 5419.0, 5400.0, 5573.0, 5648.0, 5380.0, 5255.0, 5328.0, 5373.0, 5257.0, 5678.0, 5338.0, 5563.0, 5350.0, 5377.0, 5412.0, 5607.0, 5382.0, 5455.0, 5527.0, 5365.0, 5332.0, 5335.0, 5492.0, 5383.0, 5403.0, 5656.0, 5681.0, 5621.0, 5626.0, 5410.0, 5339.0, 5636.0, 5640.0, 5507.0, 5374.0, 5685.0, 5504.0, 5614.0, 5615.0, 5719.0, 5578.0, 5508.0, 5458.0, 5314.0, 5263.0, 5280.0, 5477.0, 5647.0, 5286.0, 5250.0, 5693.0 (number of hits: 4)
2	5500.0	9	1.0	333	1	5498.0, 5654.0, 5492.0, 5378.0, 5651.0, 5402.0, 5447.0, 5475.0, 5616.0, 5375.0, 5645.0, 5597.0, 5296.0, 5373.0, 5360.0, 5512.0, 5610.0, 5717.0, 5626.0, 5484.0, 5277.0, 5706.0, 5428.0, 5684.0, 5381.0, 5516.0, 5338.0, 5441.0, 5259.0, 5285.0, 5443.0, 5303.0, 5581.0, 5313.0, 5592.0, 5533.0, 5685.0, 5707.0, 5704.0, 5575.0, 5640.0, 5532.0, 5625.0, 5409.0, 5298.0, 5449.0, 5605.0, 5703.0, 5545.0, 5630.0, 5573.0, 5538.0, 5369.0, 5493.0, 5647.0, 5450.0, 5540.0, 5675.0, 5320.0, 5461.0, 5558.0, 5250.0, 5372.0, 5583.0, 5705.0, 5579.0, 5387.0, 5531.0, 5383.0, 5576.0, 5522.0, 5307.0, 5404.0, 5490.0, 5471.0, 5666.0, 5628.0, 5271.0, 5634.0, 5487.0, 5622.0, 5710.0, 5261.0, 5580.0, 5574.0, 5269.0, 5510.0, 5406.0, 5526.0, 5698.0, 5354.0, 5557.0, 5563.0, 5422.0, 5612.0, 5661.0, 5463.0, 5315.0, 5257.0, 5276.0 (number of hits: 3)
3	5500.0	9	1.0	333	1	5601.0, 5565.0, 5606.0, 5700.0, 5439.0, 5721.0, 5660.0, 5675.0, 5690.0, 5651.0, 5720.0, 5485.0, 5339.0, 5636.0, 5427.0, 5679.0, 5695.0, 5598.0, 5466.0, 5627.0, 5327.0, 5539.0, 5543.0, 5292.0, 5324.0, 5333.0, 5672.0, 5404.0, 5329.0, 5537.0, 5461.0, 5337.0, 5278.0, 5369.0, 5441.0, 5717.0, 5426.0, 5716.0, 5468.0, 5542.0, 5305.0, 5251.0, 5687.0, 5520.0, 5379.0, 5509.0, 5296.0, 5431.0, 5587.0, 5684.0, 5572.0, 5714.0, 5429.0, 5272.0, 5511.0, 5609.0, 5626.0, 5529.0, 5547.0, 5709.0, 5335.0, 5376.0, 5583.0, 5258.0, 5312.0, 5446.0, 5657.0, 5405.0, 5562.0, 5353.0, 5421.0, 5459.0, 5643.0, 5406.0, 5689.0, 5265.0, 5701.0, 5555.0, 5411.0, 5389.0, 5408.0, 5608.0, 5445.0, 5444.0, 5366.0, 5460.0, 5574.0, 5362.0, 5393.0, 5538.0, 5476.0, 5323.0, 5692.0, 5260.0, 5506.0, 5310.0, 5589.0, 5630.0, 5303.0, 5372.0 (number of hits: 1)
4	5500.0	9	1.0	333	1	5419.0, 5447.0, 5549.0, 5258.0, 5380.0, 5385.0, 5409.0, 5507.0, 5280.0, 5354.0, 5614.0, 5544.0, 5697.0, 5358.0, 5331.0, 5408.0, 5520.0, 5500.0, 5412.0, 5586.0, 5628.0, 5577.0, 5264.0, 5305.0, 5624.0, 5398.0, 5611.0, 5526.0, 5576.0, 5518.0, 5568.0, 5317.0, 5455.0, 5659.0, 5545.0, 5678.0, 5265.0, 5436.0, 5644.0, 5635.0, 5263.0, 5584.0, 5324.0, 5599.0, 5340.0, 5300.0, 5395.0, 5489.0, 5446.0, 5561.0, 5653.0, 5341.0, 5313.0, 5537.0, 5345.0, 5502.0, 5604.0, 5513.0, 5441.0, 5509.0, 5543.0, 5279.0, 5325.0,

						5503.0, 5623.0, 5394.0, 5495.0, 5367.0, 5437.0, 5662.0, 5685.0, 5657.0, 5463.0, 5608.0, 5675.0, 5470.0, 5482.0, 5527.0, 5252.0, 5701.0, 5308.0, 5722.0, 5589.0, 5329.0, 5658.0, 5289.0, 5369.0, 5656.0, 5474.0, 5458.0, 5638.0, 5504.0, 5270.0, 5668.0, 5427.0, 5660.0, 5560.0, 5602.0, 5396.0, 5378.0 (number of hits: 6)
5	5500.0	9	1.0	333	1	5461.0, 5403.0, 5660.0, 5430.0, 5549.0, 5610.0, 5546.0, 5405.0, 5380.0, 5345.0, 5298.0, 5413.0, 5637.0, 5621.0, 5618.0, 5665.0, 5577.0, 5696.0, 5275.0, 5627.0, 5422.0, 5448.0, 5337.0, 5673.0, 5600.0, 5598.0, 5401.0, 5314.0, 5669.0, 5281.0, 5629.0, 5502.0, 5700.0, 5697.0, 5325.0, 5619.0, 5481.0, 5658.0, 5552.0, 5685.0, 5692.0, 5541.0, 5352.0, 5294.0, 5586.0, 5477.0, 5292.0, 5649.0, 5662.0, 5308.0, 5416.0, 5398.0, 5495.0, 5650.0, 5311.0, 5424.0, 5571.0, 5388.0, 5458.0, 5378.0, 5576.0, 5533.0, 5455.0, 5426.0, 5704.0, 5542.0, 5289.0, 5342.0, 5538.0, 5566.0, 5633.0, 5666.0, 5551.0, 5569.0, 5329.0, 5384.0, 5668.0, 5475.0, 5296.0, 5631.0, 5595.0, 5375.0, 5282.0, 5410.0, 5369.0, 5417.0, 5473.0, 5558.0, 5331.0, 5648.0, 5440.0, 5543.0, 5471.0, 5702.0, 5253.0, 5287.0, 5694.0, 5688.0, 5411.0, 5478.0 (number of hits: 2)
6	5500.0	9	1.0	333	1	5590.0, 5549.0, 5568.0, 5433.0, 5329.0, 5651.0, 5572.0, 5370.0, 5416.0, 5676.0, 5383.0, 5277.0, 5448.0, 5671.0, 5266.0, 5260.0, 5677.0, 5566.0, 5402.0, 5469.0, 5493.0, 5525.0, 5673.0, 5268.0, 5379.0, 5321.0, 5546.0, 5423.0, 5492.0, 5287.0, 5570.0, 5397.0, 5336.0, 5690.0, 5347.0, 5368.0, 5560.0, 5569.0, 5640.0, 5398.0, 5541.0, 5273.0, 5261.0, 5318.0, 5635.0, 5422.0, 5460.0, 5503.0, 5551.0, 5339.0, 5446.0, 5259.0, 5352.0, 5633.0, 5532.0, 5360.0, 5307.0, 5388.0, 5630.0, 5362.0, 5386.0, 5390.0, 5488.0, 5442.0, 5389.0, 5331.0, 5718.0, 5255.0, 5638.0, 5672.0, 5369.0, 5477.0, 5395.0, 5359.0, 5589.0, 5562.0, 5290.0, 5272.0, 5340.0, 5490.0, 5508.0, 5684.0, 5692.0, 5449.0, 5342.0, 5374.0, 5263.0, 5592.0, 5535.0, 5283.0, 5253.0, 5510.0, 5571.0, 5649.0, 5349.0, 5496.0, 5583.0, 5720.0, 5678.0, 5650.0 (number of hits: 4)
7	5500.0	9	1.0	333	1	5367.0, 5406.0, 5710.0, 5577.0, 5375.0, 5270.0, 5644.0, 5278.0, 5600.0, 5667.0, 5389.0, 5715.0, 5377.0, 5449.0, 5639.0, 5487.0, 5550.0, 5333.0, 5615.0, 5349.0, 5536.0, 5263.0, 5576.0, 5340.0, 5390.0, 5649.0, 5331.0, 5458.0, 5504.0, 5533.0, 5623.0, 5442.0, 5558.0, 5603.0, 5460.0, 5584.0, 5675.0, 5334.0, 5505.0, 5525.0, 5501.0, 5302.0, 5359.0, 5425.0, 5682.0, 5724.0, 5345.0, 5435.0, 5560.0, 5471.0, 5711.0, 5446.0, 5491.0, 5612.0, 5493.0, 5484.0, 5328.0, 5277.0, 5570.0, 5391.0, 5542.0, 5450.0, 5358.0, 5607.0, 5422.0, 5311.0, 5251.0, 5579.0, 5407.0, 5258.0, 5720.0, 5683.0, 5526.0, 5685.0, 5283.0, 5590.0, 5515.0, 5369.0, 5312.0, 5596.0, 5690.0, 5266.0, 5537.0, 5669.0, 5660.0, 5426.0, 5295.0, 5677.0, 5463.0, 5457.0, 5303.0, 5601.0, 5399.0, 5368.0, 5701.0, 5291.0, 5700.0, 5289.0, 5509.0, 5591.0 (number of hits: 4)
8	5500.0	9	1.0	333	1	5661.0, 5524.0, 5717.0, 5648.0, 5423.0, 5459.0, 5406.0, 5376.0, 5470.0, 5454.0, 5670.0, 5312.0, 5641.0, 5666.0, 5529.0, 5499.0, 5259.0, 5643.0, 5592.0, 5621.0, 5695.0, 5278.0, 5433.0, 5589.0, 5475.0, 5513.0, 5720.0, 5449.0, 5637.0, 5476.0, 5324.0, 5668.0, 5623.0, 5539.0, 5673.0, 5570.0, 5557.0, 5464.0, 5531.0, 5677.0, 5465.0, 5360.0, 5530.0, 5269.0, 5607.0, 5473.0, 5509.0, 5314.0, 5438.0, 5497.0, 5650.0, 5273.0, 5268.0, 5638.0, 5693.0, 5303.0, 5392.0, 5503.0, 5608.0, 5690.0, 5298.0, 5681.0, 5672.0, 5430.0, 5353.0, 5331.0, 5577.0, 5602.0, 5508.0, 5540.0,

						5633.0, 5321.0, 5310.0, 5323.0, 5663.0, 5628.0, 5299.0, 5339.0, 5558.0, 5586.0, 5485.0, 5471.0, 5373.0, 5678.0, 5264.0, 5340.0, 5551.0, 5618.0, 5691.0, 5555.0, 5396.0, 5363.0, 5719.0, 5603.0, 5461.0, 5632.0, 5444.0, 5322.0, 5357.0, 5544.0 (number of hits: 3)
9	5500.0	9	1.0	333	1	5672.0, 5541.0, 5481.0, 5470.0, 5357.0, 5548.0, 5704.0, 5521.0, 5361.0, 5561.0, 5531.0, 5397.0, 5432.0, 5324.0, 5323.0, 5460.0, 5279.0, 5511.0, 5456.0, 5489.0, 5400.0, 5315.0, 5546.0, 5670.0, 5666.0, 5516.0, 5344.0, 5572.0, 5261.0, 5277.0, 5412.0, 5476.0, 5705.0, 5607.0, 5411.0, 5311.0, 5609.0, 5510.0, 5622.0, 5720.0, 5542.0, 5527.0, 5310.0, 5255.0, 5688.0, 5289.0, 5692.0, 5552.0, 5308.0, 5526.0, 5426.0, 5714.0, 5514.0, 5592.0, 5585.0, 5593.0, 5464.0, 5358.0, 5430.0, 5556.0, 5472.0, 5696.0, 5367.0, 5698.0, 5653.0, 5372.0, 5566.0, 5643.0, 5280.0, 5482.0, 5491.0, 5384.0, 5485.0, 5587.0, 5353.0, 5398.0, 5577.0, 5654.0, 5389.0, 5487.0, 5341.0, 5625.0, 5573.0, 5468.0, 5332.0, 5293.0, 5355.0, 5399.0, 5553.0, 5350.0, 5418.0, 5486.0, 5370.0, 5525.0, 5431.0, 5644.0, 5610.0, 5473.0, 5443.0, 5494.0 (number of hits: 1)
10	5500.0	9	1.0	333	1	5400.0, 5338.0, 5714.0, 5348.0, 5669.0, 5667.0, 5422.0, 5624.0, 5588.0, 5432.0, 5664.0, 5426.0, 5565.0, 5551.0, 5460.0, 5402.0, 5428.0, 5566.0, 5252.0, 5509.0, 5359.0, 5389.0, 5606.0, 5632.0, 5262.0, 5628.0, 5280.0, 5639.0, 5542.0, 5274.0, 5289.0, 5340.0, 5309.0, 5682.0, 5300.0, 5512.0, 5602.0, 5701.0, 5358.0, 5479.0, 5330.0, 5322.0, 5384.0, 5320.0, 5712.0, 5642.0, 5332.0, 5283.0, 5354.0, 5686.0, 5408.0, 5689.0, 5526.0, 5658.0, 5434.0, 5706.0, 5660.0, 5369.0, 5278.0, 5449.0, 5503.0, 5696.0, 5612.0, 5315.0, 5687.0, 5307.0, 5279.0, 5529.0, 5483.0, 5253.0, 5516.0, 5297.0, 5681.0, 5510.0, 5329.0, 5559.0, 5409.0, 5371.0, 5266.0, 5623.0, 5273.0, 5439.0, 5646.0, 5326.0, 5495.0, 5277.0, 5424.0, 5718.0, 5456.0, 5698.0, 5423.0, 5715.0, 5492.0, 5477.0, 5328.0, 5665.0, 5674.0, 5530.0, 5595.0, 5350.0 (number of hits: 3)
11	5500.0	9	1.0	333	1	5651.0, 5471.0, 5387.0, 5699.0, 5499.0, 5446.0, 5457.0, 5343.0, 5516.0, 5322.0, 5285.0, 5545.0, 5631.0, 5479.0, 5523.0, 5469.0, 5529.0, 5440.0, 5500.0, 5688.0, 5714.0, 5615.0, 5667.0, 5468.0, 5687.0, 5397.0, 5315.0, 5296.0, 5368.0, 5584.0, 5310.0, 5587.0, 5485.0, 5519.0, 5481.0, 5385.0, 5538.0, 5454.0, 5550.0, 5320.0, 5718.0, 5683.0, 5327.0, 5339.0, 5337.0, 5250.0, 5432.0, 5279.0, 5647.0, 5715.0, 5441.0, 5554.0, 5280.0, 5564.0, 5277.0, 5447.0, 5265.0, 5442.0, 5284.0, 5383.0, 5370.0, 5297.0, 5664.0, 5696.0, 5464.0, 5717.0, 5392.0, 5473.0, 5720.0, 5679.0, 5483.0, 5450.0, 5671.0, 5374.0, 5433.0, 5628.0, 5348.0, 5427.0, 5526.0, 5467.0, 5415.0, 5466.0, 5386.0, 5503.0, 5448.0, 5560.0, 5335.0, 5358.0, 5532.0, 5558.0, 5352.0, 5263.0, 5501.0, 5527.0, 5316.0, 5480.0, 5409.0, 5474.0, 5319.0, 5326.0 (number of hits: 4)
12	5500.0	9	1.0	333	1	5672.0, 5588.0, 5497.0, 5688.0, 5342.0, 5525.0, 5386.0, 5531.0, 5459.0, 5424.0, 5328.0, 5324.0, 5495.0, 5650.0, 5690.0, 5408.0, 5338.0, 5580.0, 5343.0, 5536.0, 5700.0, 5494.0, 5430.0, 5407.0, 5686.0, 5271.0, 5509.0, 5583.0, 5287.0, 5506.0, 5597.0, 5416.0, 5420.0, 5579.0, 5602.0, 5480.0, 5593.0, 5499.0, 5695.0, 5341.0, 5254.0, 5307.0, 5358.0, 5682.0, 5615.0, 5483.0, 5599.0, 5345.0, 5511.0, 5335.0, 5261.0, 5628.0, 5259.0, 5613.0, 5587.0, 5367.0, 5454.0, 5518.0, 5652.0, 5698.0, 5712.0, 5491.0, 5357.0, 5411.0, 5406.0, 5461.0, 5622.0, 5390.0, 5535.0, 5667.0, 5595.0, 5558.0, 5348.0, 5419.0, 5549.0, 5691.0, 5257.0,

						5533.0, 5519.0, 5517.0, 5456.0, 5669.0, 5391.0, 5445.0, 5372.0, 5344.0, 5694.0, 5353.0, 5573.0, 5539.0, 5670.0, 5296.0, 5474.0, 5660.0, 5618.0, 5317.0, 5274.0, 5415.0, 5607.0, 5417.0 (number of hits: 5)
13	5500.0	9	1.0	333	1	5496.0, 5372.0, 5310.0, 5708.0, 5637.0, 5483.0, 5609.0, 5567.0, 5292.0, 5261.0, 5288.0, 5524.0, 5295.0, 5301.0, 5431.0, 5678.0, 5484.0, 5525.0, 5580.0, 5721.0, 5363.0, 5339.0, 5585.0, 5614.0, 5516.0, 5658.0, 5287.0, 5653.0, 5268.0, 5430.0, 5518.0, 5418.0, 5284.0, 5275.0, 5589.0, 5486.0, 5538.0, 5469.0, 5513.0, 5706.0, 5599.0, 5558.0, 5701.0, 5601.0, 5663.0, 5354.0, 5627.0, 5576.0, 5526.0, 5368.0, 5689.0, 5325.0, 5456.0, 5283.0, 5461.0, 5656.0, 5314.0, 5579.0, 5371.0, 5640.0, 5409.0, 5606.0, 5519.0, 5271.0, 5376.0, 5392.0, 5540.0, 5671.0, 5366.0, 5650.0, 5700.0, 5714.0, 5251.0, 5674.0, 5655.0, 5497.0, 5703.0, 5632.0, 5574.0, 5422.0, 5433.0, 5600.0, 5679.0, 5707.0, 5610.0, 5281.0, 5593.0, 5444.0, 5387.0, 5472.0, 5684.0, 5595.0, 5347.0, 5342.0, 5611.0, 5406.0, 5619.0, 5584.0, 5329.0, 5386.0 (number of hits: 2)
14	5500.0	9	1.0	333	0	
15	5500.0	9	1.0	333	1	5461.0, 5650.0, 5435.0, 5314.0, 5590.0, 5374.0, 5302.0, 5384.0, 5474.0, 5659.0, 5417.0, 5444.0, 5623.0, 5503.0, 5379.0, 5655.0, 5394.0, 5489.0, 5408.0, 5527.0, 5554.0, 5310.0, 5614.0, 5649.0, 5473.0, 5431.0, 5301.0, 5351.0, 5420.0, 5349.0, 5488.0, 5440.0, 5678.0, 5500.0, 5704.0, 5331.0, 5523.0, 5596.0, 5636.0, 5472.0, 5661.0, 5320.0, 5544.0, 5280.0, 5720.0, 5266.0, 5579.0, 5717.0, 5305.0, 5300.0, 5542.0, 5575.0, 5487.0, 5609.0, 5724.0, 5258.0, 5282.0, 5289.0, 5695.0, 5285.0, 5428.0, 5628.0, 5569.0, 5434.0, 5399.0, 5373.0, 5643.0, 5546.0, 5355.0, 5626.0, 5564.0, 5632.0, 5648.0, 5291.0, 5690.0, 5354.0, 5504.0, 5342.0, 5533.0, 5350.0, 5451.0, 5309.0, 5615.0, 5337.0, 5509.0, 5358.0, 5468.0, 5328.0, 5416.0, 5259.0, 5340.0, 5336.0, 5565.0, 5426.0, 5526.0, 5481.0, 5706.0, 5370.0, 5719.0, 5510.0 (number of hits: 3)
16	5500.0	9	1.0	333	1	5518.0, 5269.0, 5403.0, 5714.0, 5702.0, 5291.0, 5513.0, 5439.0, 5543.0, 5345.0, 5449.0, 5675.0, 5581.0, 5718.0, 5713.0, 5545.0, 5685.0, 5442.0, 5364.0, 5384.0, 5631.0, 5668.0, 5354.0, 5595.0, 5554.0, 5619.0, 5340.0, 5457.0, 5655.0, 5692.0, 5634.0, 5584.0, 5697.0, 5548.0, 5324.0, 5636.0, 5343.0, 5426.0, 5617.0, 5686.0, 5254.0, 5279.0, 5618.0, 5715.0, 5574.0, 5521.0, 5705.0, 5524.0, 5441.0, 5624.0, 5464.0, 5346.0, 5371.0, 5253.0, 5476.0, 5481.0, 5659.0, 5286.0, 5474.0, 5452.0, 5448.0, 5257.0, 5313.0, 5268.0, 5377.0, 5501.0, 5459.0, 5568.0, 5565.0, 5302.0, 5689.0, 5538.0, 5463.0, 5711.0, 5372.0, 5564.0, 5638.0, 5265.0, 5469.0, 5512.0, 5392.0, 5453.0, 5648.0, 5395.0, 5623.0, 5488.0, 5270.0, 5398.0, 5556.0, 5551.0, 5450.0, 5541.0, 5465.0, 5429.0, 5312.0, 5303.0, 5632.0, 5605.0, 5625.0, 5646.0 (number of hits: 1)
17	5500.0	9	1.0	333	1	5449.0, 5408.0, 5429.0, 5383.0, 5450.0, 5302.0, 5463.0, 5272.0, 5628.0, 5276.0, 5376.0, 5475.0, 5622.0, 5711.0, 5614.0, 5712.0, 5497.0, 5474.0, 5281.0, 5594.0, 5262.0, 5343.0, 5582.0, 5555.0, 5466.0, 5288.0, 5514.0, 5437.0, 5686.0, 5710.0, 5519.0, 5310.0, 5501.0, 5403.0, 5401.0, 5511.0, 5554.0, 5707.0, 5486.0, 5364.0, 5608.0, 5603.0, 5338.0, 5448.0, 5411.0, 5691.0, 5374.0, 5267.0, 5633.0, 5578.0, 5459.0, 5482.0, 5291.0, 5409.0, 5307.0, 5678.0, 5529.0, 5528.0, 5306.0, 5461.0, 5652.0, 5368.0, 5548.0, 5407.0, 5595.0, 5349.0, 5605.0, 5694.0, 5720.0, 5405.0, 5297.0, 5708.0, 5410.0, 5431.0, 5473.0, 5704.0, 5280.0,

						5417.0, 5523.0, 5361.0, 5416.0, 5627.0, 5385.0, 5568.0, 5660.0, 5665.0, 5433.0, 5585.0, 5672.0, 5284.0, 5257.0, 5493.0, 5330.0, 5534.0, 5543.0, 5353.0, 5301.0, 5716.0, 5638.0, 5350.0 (number of hits: 3)
18	5500.0	9	1.0	333	1	5670.0, 5339.0, 5614.0, 5566.0, 5474.0, 5468.0, 5344.0, 5605.0, 5704.0, 5541.0, 5372.0, 5378.0, 5529.0, 5384.0, 5431.0, 5467.0, 5591.0, 5490.0, 5560.0, 5350.0, 5716.0, 5575.0, 5645.0, 5648.0, 5652.0, 5585.0, 5444.0, 5540.0, 5677.0, 5519.0, 5509.0, 5577.0, 5494.0, 5358.0, 5394.0, 5628.0, 5623.0, 5580.0, 5336.0, 5471.0, 5311.0, 5608.0, 5319.0, 5453.0, 5402.0, 5422.0, 5289.0, 5542.0, 5544.0, 5668.0, 5551.0, 5460.0, 5507.0, 5578.0, 5327.0, 5348.0, 5621.0, 5400.0, 5265.0, 5479.0, 5457.0, 5435.0, 5590.0, 5567.0, 5345.0, 5521.0, 5433.0, 5488.0, 5443.0, 5685.0, 5723.0, 5276.0, 5264.0, 5423.0, 5447.0, 5527.0, 5571.0, 5498.0, 5449.0, 5584.0, 5552.0, 5513.0, 5340.0, 5416.0, 5516.0, 5545.0, 5472.0, 5302.0, 5310.0, 5421.0, 5543.0, 5707.0, 5598.0, 5657.0, 5559.0, 5267.0, 5275.0, 5406.0, 5405.0, 5462.0 (number of hits: 3)
19	5500.0	9	1.0	333	1	5383.0, 5380.0, 5499.0, 5280.0, 5419.0, 5669.0, 5485.0, 5438.0, 5277.0, 5292.0, 5724.0, 5328.0, 5302.0, 5424.0, 5296.0, 5349.0, 5495.0, 5437.0, 5468.0, 5285.0, 5281.0, 5584.0, 5604.0, 5633.0, 5418.0, 5320.0, 5623.0, 5559.0, 5641.0, 5431.0, 5322.0, 5484.0, 5251.0, 5465.0, 5657.0, 5266.0, 5685.0, 5250.0, 5461.0, 5333.0, 5373.0, 5374.0, 5556.0, 5647.0, 5576.0, 5591.0, 5417.0, 5544.0, 5517.0, 5270.0, 5258.0, 5677.0, 5571.0, 5467.0, 5278.0, 5331.0, 5293.0, 5684.0, 5379.0, 5395.0, 5625.0, 5507.0, 5712.0, 5460.0, 5602.0, 5643.0, 5360.0, 5692.0, 5521.0, 5310.0, 5533.0, 5343.0, 5271.0, 5705.0, 5376.0, 5354.0, 5482.0, 5520.0, 5265.0, 5318.0, 5276.0, 5346.0, 5430.0, 5489.0, 5466.0, 5273.0, 5313.0, 5498.0, 5598.0, 5340.0, 5475.0, 5545.0, 5291.0, 5514.0, 5534.0, 5720.0, 5655.0, 5668.0, 5479.0, 5363.0 (number of hits: 4)
20	5500.0	9	1.0	333	1	5549.0, 5653.0, 5415.0, 5292.0, 5629.0, 5308.0, 5391.0, 5625.0, 5387.0, 5253.0, 5694.0, 5404.0, 5559.0, 5301.0, 5594.0, 5271.0, 5686.0, 5488.0, 5569.0, 5663.0, 5503.0, 5654.0, 5658.0, 5275.0, 5374.0, 5652.0, 5714.0, 5705.0, 5577.0, 5496.0, 5720.0, 5670.0, 5626.0, 5413.0, 5589.0, 5443.0, 5525.0, 5583.0, 5646.0, 5600.0, 5298.0, 5574.0, 5265.0, 5437.0, 5679.0, 5491.0, 5561.0, 5554.0, 5337.0, 5584.0, 5315.0, 5564.0, 5638.0, 5327.0, 5539.0, 5606.0, 5425.0, 5573.0, 5250.0, 5276.0, 5521.0, 5446.0, 5688.0, 5702.0, 5274.0, 5514.0, 5507.0, 5588.0, 5435.0, 5698.0, 5280.0, 5459.0, 5262.0, 5267.0, 5330.0, 5399.0, 5277.0, 5664.0, 5394.0, 5355.0, 5324.0, 5480.0, 5500.0, 5264.0, 5508.0, 5533.0, 5493.0, 5320.0, 5402.0, 5430.0, 5477.0, 5622.0, 5322.0, 5449.0, 5297.0, 5342.0, 5421.0, 5476.0, 5657.0, 5323.0 (number of hits: 5)
21	5500.0	9	1.0	333	1	5488.0, 5370.0, 5689.0, 5507.0, 5381.0, 5715.0, 5625.0, 5561.0, 5297.0, 5616.0, 5536.0, 5344.0, 5517.0, 5266.0, 5326.0, 5644.0, 5603.0, 5676.0, 5529.0, 5570.0, 5264.0, 5617.0, 5540.0, 5298.0, 5574.0, 5276.0, 5706.0, 5452.0, 5714.0, 5368.0, 5524.0, 5589.0, 5683.0, 5549.0, 5425.0, 5391.0, 5531.0, 5604.0, 5491.0, 5455.0, 5526.0, 5555.0, 5663.0, 5638.0, 5634.0, 5565.0, 5348.0, 5552.0, 5260.0, 5271.0, 5282.0, 5355.0, 5691.0, 5448.0, 5377.0, 5473.0, 5608.0, 5426.0, 5364.0, 5701.0, 5564.0, 5557.0, 5358.0, 5318.0, 5696.0, 5697.0, 5611.0, 5661.0, 5451.0, 5724.0, 5285.0, 5310.0, 5675.0, 5516.0, 5400.0, 5379.0, 5653.0, 5551.0, 5409.0, 5698.0, 5294.0, 5639.0, 5464.0, 5436.0,

						5682.0, 5521.0, 5269.0, 5467.0, 5486.0, 5332.0, 5648.0, 5530.0, 5718.0, 5580.0, 5277.0, 5641.0, 5542.0, 5684.0, 5518.0, 5522.0 (number of hits: 1)
22	5500.0	9	1.0	333	1	5532.0, 5453.0, 5680.0, 5621.0, 5661.0, 5657.0, 5423.0, 5625.0, 5493.0, 5630.0, 5283.0, 5312.0, 5568.0, 5571.0, 5533.0, 5615.0, 5593.0, 5331.0, 5691.0, 5362.0, 5349.0, 5663.0, 5313.0, 5271.0, 5548.0, 5401.0, 5407.0, 5507.0, 5552.0, 5446.0, 5495.0, 5723.0, 5702.0, 5629.0, 5476.0, 5397.0, 5539.0, 5506.0, 5521.0, 5279.0, 5296.0, 5584.0, 5355.0, 5501.0, 5382.0, 5639.0, 5469.0, 5437.0, 5339.0, 5387.0, 5414.0, 5458.0, 5298.0, 5685.0, 5277.0, 5424.0, 5431.0, 5574.0, 5262.0, 5703.0, 5658.0, 5384.0, 5378.0, 5655.0, 5452.0, 5579.0, 5374.0, 5525.0, 5263.0, 5375.0, 5488.0, 5467.0, 5415.0, 5371.0, 5310.0, 5693.0, 5315.0, 5400.0, 5432.0, 5616.0, 5638.0, 5447.0, 5602.0, 5710.0, 5473.0, 5633.0, 5332.0, 5255.0, 5697.0, 5587.0, 5528.0, 5448.0, 5684.0, 5456.0, 5595.0, 5428.0, 5559.0, 5344.0, 5301.0, 5673.0 (number of hits: 5)
23	5500.0	9	1.0	333	1	5529.0, 5358.0, 5328.0, 5640.0, 5399.0, 5590.0, 5402.0, 5303.0, 5485.0, 5616.0, 5680.0, 5476.0, 5293.0, 5493.0, 5390.0, 5261.0, 5488.0, 5523.0, 5412.0, 5659.0, 5520.0, 5633.0, 5431.0, 5265.0, 5378.0, 5621.0, 5419.0, 5375.0, 5487.0, 5355.0, 5376.0, 5631.0, 5392.0, 5325.0, 5284.0, 5688.0, 5468.0, 5518.0, 5628.0, 5416.0, 5322.0, 5719.0, 5695.0, 5433.0, 5661.0, 5526.0, 5467.0, 5657.0, 5255.0, 5257.0, 5356.0, 5635.0, 5353.0, 5372.0, 5723.0, 5703.0, 5422.0, 5651.0, 5608.0, 5383.0, 5334.0, 5449.0, 5309.0, 5660.0, 5254.0, 5601.0, 5384.0, 5462.0, 5374.0, 5678.0, 5317.0, 5417.0, 5253.0, 5445.0, 5492.0, 5598.0, 5388.0, 5298.0, 5502.0, 5369.0, 5347.0, 5444.0, 5514.0, 5382.0, 5469.0, 5279.0, 5707.0, 5381.0, 5278.0, 5405.0, 5618.0, 5497.0, 5480.0, 5662.0, 5466.0, 5610.0, 5421.0, 5439.0, 5685.0, 5415.0 (number of hits: 4)
24	5500.0	9	1.0	333	1	5506.0, 5433.0, 5697.0, 5313.0, 5265.0, 5656.0, 5399.0, 5381.0, 5709.0, 5607.0, 5499.0, 5486.0, 5695.0, 5378.0, 5252.0, 5404.0, 5563.0, 5283.0, 5497.0, 5620.0, 5305.0, 5618.0, 5555.0, 5295.0, 5720.0, 5677.0, 5309.0, 5473.0, 5407.0, 5661.0, 5364.0, 5402.0, 5546.0, 5417.0, 5708.0, 5432.0, 5411.0, 5490.0, 5428.0, 5719.0, 5690.0, 5420.0, 5624.0, 5587.0, 5321.0, 5462.0, 5545.0, 5582.0, 5562.0, 5513.0, 5537.0, 5594.0, 5475.0, 5254.0, 5669.0, 5644.0, 5268.0, 5558.0, 5299.0, 5372.0, 5318.0, 5526.0, 5722.0, 5270.0, 5547.0, 5710.0, 5338.0, 5258.0, 5491.0, 5353.0, 5311.0, 5550.0, 5488.0, 5377.0, 5333.0, 5257.0, 5384.0, 5583.0, 5703.0, 5387.0, 5642.0, 5589.0, 5419.0, 5455.0, 5458.0, 5711.0, 5320.0, 5523.0, 5302.0, 5325.0, 5370.0, 5535.0, 5617.0, 5423.0, 5261.0, 5647.0, 5566.0, 5485.0, 5530.0, 5326.0 (number of hits: 3)
25	5500.0	9	1.0	333	1	5563.0, 5508.0, 5644.0, 5463.0, 5370.0, 5714.0, 5384.0, 5696.0, 5518.0, 5554.0, 5250.0, 5607.0, 5537.0, 5595.0, 5281.0, 5365.0, 5566.0, 5581.0, 5485.0, 5527.0, 5588.0, 5499.0, 5639.0, 5687.0, 5480.0, 5484.0, 5560.0, 5447.0, 5551.0, 5481.0, 5277.0, 5318.0, 5402.0, 5323.0, 5679.0, 5576.0, 5466.0, 5326.0, 5519.0, 5258.0, 5722.0, 5303.0, 5395.0, 5495.0, 5455.0, 5379.0, 5377.0, 5603.0, 5670.0, 5275.0, 5383.0, 5344.0, 5468.0, 5439.0, 5253.0, 5274.0, 5284.0, 5633.0, 5697.0, 5490.0, 5625.0, 5596.0, 5356.0, 5371.0, 5597.0, 5658.0, 5553.0, 5510.0, 5509.0, 5359.0, 5712.0, 5441.0, 5292.0, 5475.0, 5555.0, 5522.0, 5686.0, 5477.0, 5324.0, 5424.0, 5314.0, 5328.0, 5587.0, 5521.0, 5605.0, 5497.0, 5565.0, 5473.0, 5600.0, 5414.0, 5452.0,

						5525.0, 5654.0, 5571.0, 5352.0, 5648.0, 5695.0, 5430.0, 5504.0, 5559.0 (number of hits: 4)
26	5500.0	9	1.0	333	1	5344.0, 5670.0, 5678.0, 5585.0, 5646.0, 5724.0, 5305.0, 5637.0, 5456.0, 5332.0, 5557.0, 5462.0, 5601.0, 5513.0, 5388.0, 5467.0, 5490.0, 5323.0, 5689.0, 5334.0, 5291.0, 5435.0, 5632.0, 5599.0, 5672.0, 5262.0, 5274.0, 5711.0, 5466.0, 5470.0, 5485.0, 5643.0, 5322.0, 5484.0, 5683.0, 5657.0, 5493.0, 5424.0, 5605.0, 5452.0, 5497.0, 5695.0, 5550.0, 5649.0, 5495.0, 5510.0, 5478.0, 5521.0, 5593.0, 5349.0, 5289.0, 5358.0, 5465.0, 5712.0, 5595.0, 5474.0, 5436.0, 5491.0, 5571.0, 5386.0, 5427.0, 5364.0, 5600.0, 5551.0, 5406.0, 5591.0, 5298.0, 5579.0, 5398.0, 5254.0, 5512.0, 5640.0, 5580.0, 5690.0, 5665.0, 5488.0, 5676.0, 5426.0, 5647.0, 5308.0, 5653.0, 5335.0, 5529.0, 5539.0, 5447.0, 5565.0, 5336.0, 5258.0, 5666.0, 5356.0, 5412.0, 5673.0, 5444.0, 5699.0, 5351.0, 5394.0, 5685.0, 5496.0, 5473.0, 5553.0 (number of hits: 4)
27	5500.0	9	1.0	333	1	5473.0, 5452.0, 5268.0, 5552.0, 5382.0, 5634.0, 5324.0, 5444.0, 5295.0, 5645.0, 5383.0, 5523.0, 5390.0, 5265.0, 5263.0, 5434.0, 5457.0, 5615.0, 5323.0, 5436.0, 5351.0, 5719.0, 5562.0, 5273.0, 5672.0, 5438.0, 5653.0, 5658.0, 5306.0, 5659.0, 5673.0, 5492.0, 5269.0, 5335.0, 5549.0, 5398.0, 5661.0, 5485.0, 5397.0, 5591.0, 5484.0, 5281.0, 5598.0, 5354.0, 5577.0, 5252.0, 5424.0, 5538.0, 5412.0, 5514.0, 5717.0, 5617.0, 5569.0, 5301.0, 5387.0, 5704.0, 5270.0, 5450.0, 5708.0, 5567.0, 5476.0, 5340.0, 5607.0, 5348.0, 5545.0, 5655.0, 5554.0, 5647.0, 5699.0, 5419.0, 5403.0, 5364.0, 5379.0, 5475.0, 5266.0, 5496.0, 5524.0, 5465.0, 5602.0, 5433.0, 5529.0, 5312.0, 5284.0, 5321.0, 5718.0, 5568.0, 5441.0, 5443.0, 5707.0, 5579.0, 5389.0, 5662.0, 5310.0, 5713.0, 5373.0, 5262.0, 5627.0, 5668.0, 5459.0, 5491.0 (number of hits: 2)
28	5500.0	9	1.0	333	1	5446.0, 5564.0, 5607.0, 5490.0, 5608.0, 5626.0, 5389.0, 5610.0, 5662.0, 5646.0, 5640.0, 5346.0, 5328.0, 5516.0, 5374.0, 5368.0, 5512.0, 5340.0, 5442.0, 5679.0, 5693.0, 5360.0, 5320.0, 5353.0, 5295.0, 5258.0, 5572.0, 5511.0, 5478.0, 5522.0, 5292.0, 5643.0, 5473.0, 5712.0, 5286.0, 5384.0, 5439.0, 5336.0, 5276.0, 5381.0, 5414.0, 5437.0, 5668.0, 5624.0, 5653.0, 5405.0, 5288.0, 5723.0, 5552.0, 5301.0, 5618.0, 5588.0, 5523.0, 5347.0, 5627.0, 5399.0, 5459.0, 5423.0, 5549.0, 5661.0, 5584.0, 5485.0, 5595.0, 5648.0, 5274.0, 5644.0, 5344.0, 5625.0, 5503.0, 5277.0, 5515.0, 5550.0, 5449.0, 5302.0, 5532.0, 5706.0, 5406.0, 5337.0, 5587.0, 5502.0, 5482.0, 5383.0, 5471.0, 5266.0, 5580.0, 5510.0, 5357.0, 5650.0, 5260.0, 5356.0, 5413.0, 5622.0, 5366.0, 5455.0, 5395.0, 5464.0, 5265.0, 5463.0, 5289.0, 5551.0 (number of hits: 2)
29	5500.0	9	1.0	333	1	5535.0, 5336.0, 5380.0, 5705.0, 5252.0, 5543.0, 5624.0, 5379.0, 5492.0, 5358.0, 5650.0, 5598.0, 5619.0, 5425.0, 5623.0, 5602.0, 5581.0, 5647.0, 5635.0, 5314.0, 5365.0, 5455.0, 5521.0, 5263.0, 5330.0, 5594.0, 5388.0, 5603.0, 5415.0, 5412.0, 5370.0, 5597.0, 5464.0, 5556.0, 5528.0, 5396.0, 5452.0, 5294.0, 5707.0, 5497.0, 5658.0, 5667.0, 5583.0, 5434.0, 5409.0, 5410.0, 5319.0, 5657.0, 5472.0, 5332.0, 5683.0, 5639.0, 5537.0, 5682.0, 5271.0, 5529.0, 5318.0, 5372.0, 5439.0, 5536.0, 5254.0, 5277.0, 5691.0, 5315.0, 5291.0, 5408.0, 5663.0, 5440.0, 5292.0, 5681.0, 5703.0, 5636.0, 5395.0, 5462.0, 5511.0, 5424.0, 5260.0, 5532.0, 5695.0, 5578.0, 5574.0, 5279.0, 5265.0, 5539.0, 5496.0, 5620.0, 5506.0, 5692.0, 5312.0, 5724.0, 5458.0, 5300.0, 5586.0, 5615.0, 5686.0, 5708.0, 5397.0, 5701.0,

						5287.0, 5288.0 (number of hits: 4)
30	5500.0	9	1.0	333	1	5594.0, 5496.0, 5539.0, 5464.0, 5328.0, 5525.0, 5507.0, 5410.0, 5716.0, 5417.0, 5344.0, 5530.0, 5409.0, 5396.0, 5586.0, 5256.0, 5523.0, 5357.0, 5298.0, 5474.0, 5448.0, 5271.0, 5443.0, 5272.0, 5287.0, 5605.0, 5618.0, 5313.0, 5426.0, 5595.0, 5688.0, 5351.0, 5428.0, 5709.0, 5468.0, 5355.0, 5383.0, 5561.0, 5583.0, 5456.0, 5661.0, 5490.0, 5452.0, 5289.0, 5309.0, 5630.0, 5622.0, 5509.0, 5415.0, 5252.0, 5370.0, 5306.0, 5485.0, 5394.0, 5266.0, 5578.0, 5645.0, 5660.0, 5667.0, 5315.0, 5336.0, 5376.0, 5440.0, 5424.0, 5547.0, 5420.0, 5512.0, 5340.0, 5575.0, 5553.0, 5445.0, 5300.0, 5634.0, 5302.0, 5348.0, 5411.0, 5301.0, 5532.0, 5505.0, 5552.0, 5691.0, 5469.0, 5431.0, 5602.0, 5330.0, 5282.0, 5538.0, 5666.0, 5361.0, 5442.0, 5514.0, 5251.0, 5418.0, 5475.0, 5427.0, 5279.0, 5447.0, 5342.0, 5695.0, 5364.0 (number of hits: 3)

Client Mode
Pine Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	63	1.0	838	1
2	65	1.0	818	1
3	62	1.0	858	1
4	58	1.0	918	1
5	72	1.0	738	1
6	81	1.0	658	1
7	61	1.0	878	1
8	76	1.0	698	1
9	86	1.0	618	1
10	59	1.0	898	1
11	70	1.0	758	1
12	68	1.0	778	1
13	95	1.0	558	1
14	99	1.0	538	1
15	78	1.0	678	0
16	26	1.0	2077	1
17	35	1.0	1525	1
18	18	1.0	2934	0
19	34	1.0	1555	1
20	50	1.0	1066	1
21	23	1.0	2347	1
22	32	1.0	1686	1
23	28	1.0	1898	1
24	19	1.0	2803	1
25	44	1.0	1225	1
26	27	1.0	1988	1
27	30	1.0	1814	1
28	20	1.0	2697	1
29	27	1.0	1965	1
30	22	1.0	2496	1
Detection Percentage: 93.3 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	23	2.5	154	1
2	25	4.1	189	0
3	25	1.4	151	1
4	26	2.5	204	1
5	23	4.7	176	1
6	24	1.8	209	1
7	29	4.2	159	1
8	26	1.2	189	0
9	28	3.0	154	1
10	26	2.1	212	1
11	28	3.0	196	0
12	26	3.5	169	0
13	24	4.3	188	1
14	28	2.0	165	1
15	24	4.4	214	1
16	23	1.8	222	1
17	25	1.0	190	1
18	23	2.2	169	1
19	23	2.8	188	1
20	24	4.1	186	1
21	25	1.3	154	1
22	24	3.0	157	1
23	26	2.9	198	1
24	29	1.5	219	1
25	23	2.7	174	1
26	25	2.9	158	1
27	28	3.7	191	1
28	28	2.7	162	1
29	26	1.5	186	1
30	26	1.6	182	1
Detection Percentage: 86.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	7.6	428	1
2	17	8.8	499	1
3	17	7.3	477	1
4	18	6.3	485	1
5	16	8.9	361	1
6	18	6.0	290	0
7	18	9.8	361	1
8	18	9.0	498	1
9	17	7.1	396	1
10	18	9.2	486	1
11	17	8.3	286	1
12	16	9.6	469	1
13	16	7.1	307	1
14	16	6.0	211	0
15	18	7.1	291	1
16	16	9.2	462	1
17	17	7.3	301	1
18	17	9.6	389	1
19	18	8.8	244	1
20	18	6.4	224	0
21	17	9.7	435	1
22	17	6.8	337	1
23	17	8.0	344	1
24	16	9.6	280	1
25	18	6.3	251	1
26	16	7.6	280	1
27	16	6.9	387	0
28	18	7.9	256	1
29	17	8.9	275	0
30	17	7.0	449	0
Detection Percentage: 80 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	14	17.3	254	1
2	15	19.3	357	1
3	12	16.9	264	1
4	13	13.5	380	1
5	12	19.3	431	1
6	15	16.7	323	1
7	14	14.8	432	1
8	14	16.2	239	1
9	12	17.9	413	1
10	14	15.6	242	0
11	12	12.9	378	0
12	13	17.5	210	0
13	15	15.5	203	1
14	14	13.0	475	1
15	13	11.3	476	1
16	16	18.9	400	1
17	14	12.8	387	1
18	16	15.8	362	0
19	16	15.1	360	1
20	14	19.3	277	1
21	12	12.8	261	1
22	12	12.5	268	1
23	13	14.9	489	1
24	16	12.8	342	0
25	13	16.9	215	1
26	16	12.7	336	1
27	12	15.9	453	1
28	12	15.5	218	1
29	15	15.7	291	1
30	13	18.8	447	1
Detection Percentage: 83.3% (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5497.2	1
12	5496.0	1
13	5495.6	1
14	5498.8	1
15	5499.6	1
16	5494.8	1
17	5498.4	1
18	5498.4	1
19	5497.6	1
20	5495.2	1
21	5520.8	1
22	5523.6	1
23	5525.2	1
24	5521.6	1
25	5522.4	1
26	5524.8	1
27	5526.0	1
28	5522.8	1
29	5521.6	1
30	5520.8	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	56.0	1851		0.839208	1
1	3	7	54.1	1618	1401	1.277201	
2	3	7	56.5	1273	1553	2.442258	
3	3	7	99.7	1837	1348	2.986840	
4	2	7	82.6	1177		4.384506	
5	2	7	73.5	1482		4.885073	
6	2	7	95.0	1555		5.956176	
7	2	7	82.6	1961		6.792429	
8	2	7	71.5	1932		8.180050	
9	2	7	69.2	1244		8.806921	
10	3	7	99.0	1644	1143	9.285284	
11	3	7	85.1	1709	1074	10.345772	
12	2	7	60.3	1997		11.794296	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	72.7	1253		0.569147	1
1	2	7	65.1	1833		1.398641	
2	2	7	54.1	1302		2.303442	
3	3	7	50.4	1458	1111	2.497108	
4	1	7	88.7			3.724420	
5	1	7	76.2			4.151211	
6	1	7	56.4			5.070834	
7	2	7	63.4	1810		6.378327	
8	2	7	81.7	1350		6.863798	
9	2	7	98.3	1300		7.384393	
10	3	7	71.9	1905	1463	8.391498	
11	2	7	72.0	1519		8.911432	
12	3	7	82.4	1070	1289	9.883242	
13	1	7	69.8			10.426700	
14	3	7	66.5	1269	1334	11.406505	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	97.8	1043		0.140774	
1	1	14	94.6			1.211174	
2	2	14	64.4	1542		1.831646	
3	2	14	73.0	1010		2.846426	
4	2	14	97.6	1021		3.626228	
5	1	14	69.0			4.310777	
6	2	14	86.7	1149		4.831450	
7	1	14	98.5			5.926997	
8	3	14	95.0	1020	1108	6.366093	1
9	2	14	68.3	1135		7.389593	
10	1	14	83.9			8.191022	
11	2	14	63.9	1128		8.333407	
12	1	14	70.1			9.001740	
13	1	14	53.2			9.869134	
14	2	14	98.3	1821		10.631320	
15	2	14	52.7	1719		11.685057	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	54.8	1164		0.856712	
1	2	15	57.9	1223		1.423138	
2	2	15	55.1	1518		2.269226	
3	2	15	60.0	1940		3.332020	
4	2	15	57.9	1598		4.564761	
5	2	15	62.2	1626		5.011003	
6	2	15	52.4	1888		6.313409	1
7	3	15	92.6	1380	1672	7.273723	
8	1	15	77.0			8.234613	
9	1	15	87.9			9.068146	
10	2	15	91.1	1569		9.753865	
11	1	15	70.7			10.689880	
12	3	15	55.9	1030	1877	11.911218	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	59.2	1521		0.569783	1
1	2	10	85.9	1354		0.716485	
2	3	10	96.6	1233	1683	1.607762	
3	2	10	89.4	1770		2.368958	
4	3	10	68.6	1601	1960	2.828405	
5	3	10	85.2	1290	1762	3.909298	
6	3	10	62.1	1405	1264	4.183439	
7	1	10	50.1			5.270526	
8	1	10	98.2			5.336669	
9	1	10	63.3			6.213406	
10	2	10	72.1	1264		6.745080	
11	3	10	89.9	1095	1393	7.568596	
12	2	10	80.6	1817		8.069207	
13	3	10	59.6	1433	1357	8.743808	
14	3	10	79.8	1589	1137	9.539895	
15	2	10	70.1	1833		10.448969	
16	2	10	88.1	1174		10.817144	
17	2	10	59.6	1240		11.964488	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	62.6	1562		0.274973	1
1	1	12	58.0			0.998444	
2	2	12	55.1	1902		1.932186	
3	1	12	97.1			3.372869	
4	2	12	89.7	1467		3.844365	
5	3	12	71.3	1936	1645	4.750471	
6	1	12	99.4			5.720378	
7	3	12	95.2	1349	1273	6.003917	
8	2	12	53.9	1802		6.910804	
9	3	12	71.4	1593	1506	8.293694	
10	2	12	99.3	1673		9.234947	
11	2	12	62.0	1013		10.021877	
12	1	12	74.8			11.005905	
13	3	12	65.0	1853	1356	11.460402	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	50.5	1805		0.614081	
1	1	10	83.0			0.768193	
2	1	10	93.4			1.456332	
3	2	10	50.1	1315		2.343763	
4	2	10	84.4	1763		3.087968	
5	1	10	58.6			3.759472	
6	2	10	62.7	1864		3.982139	
7	3	10	52.0	1770	1120	4.960385	
8	2	10	88.1	1556		5.450641	
9	1	10	82.8			5.733109	1
10	2	10	77.0	1097		6.464787	
11	3	10	68.8	1992	1042	7.416629	
12	2	10	71.5	1562		8.158298	
13	2	10	83.4	1494		8.525989	
14	2	10	58.6	1362		9.116658	
15	1	10	85.0			10.002811	
16	1	10	89.1			10.361792	
17	1	10	87.8			11.074547	
18	2	10	73.4	1367		11.473747	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	66.0	1073	1950	0.605000	
1	2	11	55.2	1126		1.892405	
2	2	11	92.6	1029		2.689171	
3	2	11	89.2	1679		4.335556	
4	1	11	68.6			5.439285	1
5	1	11	82.8			6.904795	
6	2	11	56.6	1027		9.080210	
7	3	11	85.9	1478	1901	9.619716	
8	1	11	50.7			11.032437	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	73.2			0.448599	
1	2	11	70.2	1913		0.988323	
2	2	11	72.8	1230		1.667626	
3	1	11	81.7			2.745043	
4	1	11	58.3			3.562905	
5	2	11	80.3	1159		4.018218	
6	3	11	50.5	1940	1993	5.084498	
7	3	11	77.6	1357	1830	5.940489	1
8	2	11	65.1	1197		6.524298	
9	3	11	79.7	1421	1918	7.252122	
10	1	11	66.0			8.686467	
11	1	11	56.4			9.223911	
12	1	11	70.6			9.719477	
13	1	11	58.0			10.763272	
14	2	11	92.0	1033		11.620304	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	81.7	1425		0.124660	
1	2	8	64.4	1053		0.969145	
2	2	8	94.6	1531		1.444843	
3	1	8	65.7			2.516562	
4	2	8	83.9	1523		3.280864	
5	2	8	63.5	1691		4.029034	
6	3	8	94.7	1565	1026	4.760946	
7	2	8	91.2	1651		5.117608	
8	3	8	54.6	1256	1911	5.710079	1
9	1	8	84.9			6.416441	
10	3	8	53.9	1436	1449	7.446516	
11	2	8	75.4	1316		7.781730	
12	3	8	52.9	1416	1314	9.111072	
13	2	8	60.4	1338		9.397025	
14	2	8	64.7	1011		10.459649	
15	1	8	84.8			10.601037	
16	2	8	75.0	1019		11.342775	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	69.5	1680		0.954807	
1	2	13	63.8	1246		1.455044	
2	1	13	51.8			2.882162	
3	2	13	51.6	1444		4.109658	
4	2	13	76.0	1287		5.433385	
5	2	13	89.2	1194		6.525973	1
6	1	13	96.1			6.628735	
7	2	13	65.3	1635		8.182493	
8	3	13	70.5	1787	1161	8.732095	
9	2	13	51.9	1011		10.515992	
10	1	13	91.7			11.408052	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	66.0	1885		0.840102	
1	2	10	85.2	1381		2.011795	
2	1	10	90.8			3.806228	
3	2	10	82.1	1894		4.430295	
4	3	10	66.9	1675	1021	5.792281	1
5	2	10	50.4	1075		7.297506	
6	2	10	59.1	1572		8.639409	
7	1	10	99.3			10.127921	
8	3	10	50.2	1325	1285	10.697806	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	70.6	1347	1556	0.644432	
1	2	9	92.6	1250		2.156986	
2	3	9	97.4	1354	1915	2.745806	
3	2	9	88.5	1921		4.954893	
4	3	9	73.0	1320	1684	5.683870	1
5	2	9	79.8	1505		7.514441	
6	1	9	70.2			8.925351	
7	2	9	97.3	1535		9.628848	
8	3	9	98.5	1561	1382	11.025853	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	87.3			0.239027	
1	1	17	77.3			0.762111	
2	2	17	92.4	1467		1.430815	
3	2	17	66.8	1142		1.920686	
4	3	17	92.3	1288	1047	2.890204	
5	1	17	52.8			3.758838	
6	1	17	63.6			4.204360	
7	1	17	85.7			4.461825	
8	2	17	90.2	1462		5.308982	
9	2	17	62.9	1475		6.260572	1
10	1	17	74.2			6.648462	
11	1	17	73.4			7.248004	
12	2	17	79.9	1424		7.995058	
13	3	17	98.8	1407	1784	8.486697	
14	3	17	69.4	1013	1189	8.954460	
15	2	17	85.5	1072		9.713364	
16	3	17	69.2	1315	1801	10.413967	
17	2	17	87.6	1735		10.988335	
18	1	17	63.1			11.424750	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	60.6	1710	1410	0.497360	
1	3	19	65.5	1740	1247	0.811364	
2	3	19	74.6	1449	1005	1.662516	
3	1	19	85.7			2.281258	
4	2	19	89.4	1211		3.560839	
5	2	19	92.0	1470		3.983691	
6	1	19	77.1			4.709381	
7	1	19	72.2			5.390549	
8	3	19	73.4	1097	1277	6.324660	1
9	2	19	93.4	1660		6.770299	
10	2	19	54.4	1305		7.524051	
11	2	19	58.9	1920		8.341813	
12	1	19	93.1			9.473635	
13	3	19	79.2	1148	1206	10.046067	
14	2	19	76.8	1554		10.757326	
15	2	19	68.1	1959		11.594480	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	61.8	1801		0.281351	
1	2	7	66.2	1332		0.832477	
2	2	7	52.8	1175		1.714988	
3	3	7	98.0	1970	1350	2.089584	
4	3	7	69.3	1359	1417	2.549740	
5	2	7	56.6	1938		3.272968	
6	2	7	58.9	1751		4.031822	
7	2	7	92.6	1206		4.576497	
8	2	7	90.2	1326		5.616319	
9	2	7	75.7	1656		5.860911	1
10	3	7	56.0	1054	1127	6.720308	
11	1	7	52.3			7.084025	
12	3	7	53.2	1811	1818	8.195942	
13	3	7	92.5	1804	1336	8.797755	
14	2	7	83.0	1512		9.377376	
15	3	7	92.3	1270	1014	9.533251	
16	2	7	91.8	1166		10.512628	
17	2	7	57.8	1719		11.362027	
18	2	7	60.6	1994		11.553936	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	89.2	1902	1686	0.222808	
1	2	16	82.8	1345		0.894296	
2	1	16	97.8			2.051395	
3	3	16	53.8	1718	1447	2.532516	
4	2	16	91.3	1867		3.598864	
5	3	16	84.4	1162	1741	4.247272	
6	2	16	55.1	1579		5.309723	
7	1	16	92.6			5.895001	1
8	2	16	75.5	1109		6.544731	
9	2	16	66.3	1893		7.854847	
10	3	16	83.0	1282	1538	8.706966	
11	2	16	93.7	1702		9.170168	
12	3	16	76.4	1298	1849	10.072832	
13	1	16	65.3			10.898464	
14	1	16	74.2			11.842018	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	53.8	1156		0.367747	
1	1	16	51.9			1.177519	
2	3	16	75.5	1183	1174	2.016151	
3	1	16	60.4			2.680916	
4	3	16	94.1	1337	1337	3.210180	
5	3	16	88.1	1748	1814	4.216656	
6	2	16	91.7	1045		4.805082	
7	1	16	60.3			5.520842	
8	2	16	87.3	1097		5.663783	1
9	2	16	64.8	1595		6.973288	
10	1	16	64.5			7.184776	
11	3	16	79.0	1524	1457	8.448945	
12	1	16	85.2			8.712528	
13	2	16	56.1	1438		9.484359	
14	1	16	52.4			10.460540	
15	2	16	90.3	1240		10.700005	
16	2	16	76.7	1635		11.735996	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	87.0			0.100627	1
1	2	14	86.8	1310		2.269932	
2	2	14	57.8	1054		3.228693	
3	2	14	61.4	1958		4.583094	
4	3	14	58.7	1976	1678	7.177030	
5	2	14	62.2	1029		8.111456	
6	3	14	68.6	1623	1961	9.277691	
7	1	14	91.5			10.515378	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	88.4	1287		0.464876	1
1	2	8	94.3	1990		1.088126	
2	2	8	63.7	1150		1.855345	
3	1	8	78.8			2.493045	
4	2	8	62.7	1652		2.864779	
5	3	8	79.3	1645	1981	4.062086	
6	3	8	80.7	1843	1958	4.471720	
7	2	8	53.4	1081		5.012722	
8	2	8	69.1	1548		6.138475	
9	1	8	89.2			6.412029	
10	3	8	69.6	1968	1276	7.505088	
11	2	8	77.8	1411		7.918762	
12	2	8	57.6	1183		8.844717	
13	2	8	84.6	1422		9.770912	
14	1	8	78.4			10.449136	
15	2	8	66.7	1656		11.122000	
16	1	8	53.1			11.985717	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	99.4	1775		0.701550	
1	2	18	93.7	1858		1.007367	
2	2	18	74.2	1264		1.824057	
3	2	18	68.3	1545		2.426749	
4	2	18	85.0	1370		3.994145	
5	3	18	69.2	1520	1277	4.122157	
6	1	18	84.3			4.939227	
7	2	18	82.6	1636		5.627948	1
8	3	18	98.4	1652	1076	6.655558	
9	3	18	56.2	1646	1382	7.604360	
10	2	18	93.0	1611		8.534285	
11	1	18	62.9			8.803872	
12	2	18	98.3	1352		9.806759	
13	2	18	93.8	1981		11.151220	
14	1	18	98.5			11.580386	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	81.7	1562		0.173486	
1	2	11	80.5	1844		1.400532	
2	2	11	57.2	1402		1.706793	
3	1	11	93.1			2.647208	
4	1	11	54.6			2.858617	
5	2	11	68.3	1718		3.864397	
6	1	11	55.5			4.797150	
7	2	11	55.6	1889		4.996866	
8	3	11	54.6	1633	1700	6.029660	1
9	2	11	59.8	1621		6.397106	
10	2	11	81.6	1894		7.481586	
11	1	11	50.2			7.792181	
12	2	11	71.8	1594		8.869881	
13	1	11	61.1			9.602828	
14	2	11	85.7	1297		10.010787	
15	1	11	64.0			10.666144	
16	2	11	54.0	1138		11.765949	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	77.6	1407	1471	0.523238	
1	2	7	62.1	1346		1.135063	
2	2	7	57.2	1752		2.026223	
3	3	7	72.2	1957	1393	2.469811	
4	2	7	94.5	1812		3.424001	
5	2	7	58.6	1227		3.757765	
6	3	7	70.0	1890	1578	4.787972	
7	2	7	95.1	1603		5.598683	
8	3	7	66.0	1918	1128	6.057925	1
9	1	7	80.4			6.766956	
10	2	7	94.8	1297		7.084807	
11	3	7	51.7	1879	1480	8.371903	
12	2	7	73.2	1431		8.922972	
13	3	7	72.2	1808	1031	9.239715	
14	1	7	97.3			10.251578	
15	3	7	72.5	1722	1168	10.819283	
16	2	7	80.0	1023		11.545082	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	85.8	1600	1486	0.190731	
1	2	16	74.4	1119		0.983966	
2	1	16	53.2			1.647712	
3	2	16	94.8	1720		2.571979	
4	2	16	52.1	1467		3.638741	
5	3	16	83.9	1413	1590	3.964747	
6	2	16	58.3	1449		4.534466	
7	2	16	77.1	1889		5.423126	
8	1	16	65.3			6.023199	1
9	2	16	56.2	1711		6.789619	
10	2	16	51.4	1381		7.566462	
11	2	16	90.6	1281		8.705842	
12	3	16	62.5	1994	1427	9.273727	
13	1	16	90.9			10.100738	
14	1	16	56.0			10.702744	
15	2	16	67.9	1096		11.941430	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	65.2	1668		0.604074	1
1	2	14	70.6	1394		1.947248	
2	1	14	91.1			3.236511	
3	3	14	91.2	1542	1949	4.210180	
4	1	14	96.9			5.271478	
5	2	14	66.4	1171		7.175111	
6	1	14	80.6			8.224552	
7	1	14	69.2			9.378266	
8	2	14	81.9	1236		10.226761	
9	2	14	98.6	1327		11.835398	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	62.5			0.100951	1
1	2	8	82.7	1491		0.860686	
2	3	8	65.1	1320	1425	1.869133	
3	2	8	90.2	1631		2.988713	
4	2	8	87.7	1682		4.221137	
5	2	8	64.4	1579		5.127400	
6	1	8	96.8			5.615887	
7	2	8	59.7	1312		6.829088	
8	1	8	57.1			7.535809	
9	2	8	64.4	1720		7.864580	
10	1	8	93.8			8.652188	
11	3	8	69.8	1689	1030	9.877790	
12	3	8	98.0	1539	1838	10.508497	
13	2	8	51.7	1151		11.564192	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	57.7			1.310396	
1	2	5	91.4	1841		2.028165	
2	3	5	61.6	1298	1165	3.329718	
3	2	5	52.3	1223		4.185355	
4	2	5	68.5	1605		5.557677	1
5	2	5	91.7	1322		7.211764	
6	3	5	96.4	1804	1500	8.664027	
7	2	5	85.8	1789		9.367914	
8	2	5	99.6	1508		11.356463	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	84.3	1460		0.231997	
1	3	13	56.4	1286	1695	0.965258	
2	1	13	85.0			1.923729	
3	1	13	91.8			2.402267	
4	1	13	77.2			3.560414	
5	2	13	78.7	1370		4.186240	
6	1	13	96.9			5.016710	
7	2	13	92.2	1259		5.705701	1
8	2	13	74.8	1451		7.072679	
9	2	13	91.3	1979		7.965527	
10	1	13	81.1			8.691049	
11	2	13	51.4	1740		9.210764	
12	2	13	85.1	1472		9.632792	
13	2	13	56.4	1103		10.436623	
14	3	13	88.5	1027	1943	11.763541	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	56.3	1832		0.183597	1
1	1	16	53.8			2.350665	
2	2	16	65.3	1267		4.296251	
3	2	16	82.8	1886		4.940931	
4	2	16	56.2	1905		6.626691	
5	2	16	74.9	1921		8.411233	
6	1	16	97.6			10.425405	
7	2	16	82.6	1201		10.563280	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	58.4	1637	1596	0.050518	1
1	2	18	88.3	1660		1.234057	
2	3	18	56.4	1800	1264	1.368056	
3	3	18	74.3	1211	1169	2.141082	
4	1	18	50.9			2.666506	
5	3	18	84.6	1207	1389	3.389588	
6	2	18	88.8	1624		4.168150	
7	3	18	68.4	1920	1187	4.433688	
8	1	18	90.4			5.445327	
9	2	18	50.3	1061		6.112395	
10	3	18	70.5	1688	1401	6.857210	
11	1	18	52.8			7.477369	
12	3	18	73.2	1818	1790	7.684536	
13	2	18	61.2	1736		8.341549	
14	2	18	79.8	1333		9.008592	
15	2	18	70.4	1098		10.083585	
16	3	18	79.8	1350	1178	10.463613	
17	2	18	59.7	1718		10.939263	
18	1	18	54.9			11.711508	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510.0	9	1.0	333	1	5586.0, 5286.0, 5660.0, 5317.0, 5328.0, 5272.0, 5712.0, 5674.0, 5274.0, 5512.0, 5686.0, 5489.0, 5397.0, 5560.0, 5521.0, 5267.0, 5714.0, 5603.0, 5315.0, 5285.0, 5571.0, 5508.0, 5468.0, 5309.0, 5391.0, 5602.0, 5434.0, 5393.0, 5279.0, 5474.0, 5692.0, 5580.0, 5490.0, 5382.0, 5550.0, 5544.0, 5423.0, 5669.0, 5648.0, 5499.0, 5462.0, 5319.0, 5429.0, 5374.0, 5292.0, 5445.0, 5670.0, 5476.0, 5566.0, 5609.0, 5262.0, 5581.0, 5519.0, 5515.0, 5311.0, 5455.0, 5388.0, 5352.0, 5409.0, 5675.0, 5668.0, 5611.0, 5652.0, 5589.0, 5463.0, 5540.0, 5495.0, 5261.0, 5446.0, 5630.0, 5402.0, 5631.0, 5639.0, 5527.0, 5425.0, 5420.0, 5667.0, 5310.0, 5707.0, 5680.0, 5558.0, 5321.0, 5594.0, 5395.0, 5326.0, 5572.0, 5447.0, 5280.0, 5705.0, 5599.0, 5677.0, 5273.0, 5621.0, 5392.0, 5716.0, 5619.0, 5634.0, 5700.0, 5633.0, 5671.0 (number of hits: 8)
2	5510.0	9	1.0	333	1	5334.0, 5609.0, 5564.0, 5567.0, 5299.0, 5288.0, 5551.0, 5282.0, 5666.0, 5521.0, 5305.0, 5476.0, 5386.0, 5275.0, 5274.0, 5581.0, 5375.0, 5258.0, 5665.0, 5268.0, 5277.0, 5546.0, 5611.0, 5657.0, 5272.0, 5416.0, 5630.0, 5356.0, 5279.0, 5435.0, 5311.0, 5536.0, 5353.0, 5253.0, 5576.0, 5316.0, 5315.0, 5584.0, 5387.0, 5445.0, 5292.0, 5497.0, 5441.0, 5554.0, 5603.0, 5266.0, 5330.0, 5652.0, 5696.0, 5419.0, 5390.0, 5307.0, 5621.0, 5413.0, 5509.0, 5443.0, 5376.0, 5670.0, 5449.0, 5412.0, 5537.0, 5255.0, 5655.0, 5661.0, 5538.0, 5513.0, 5570.0, 5409.0, 5291.0, 5355.0, 5283.0, 5612.0, 5511.0, 5478.0, 5434.0, 5440.0, 5544.0, 5703.0, 5553.0, 5339.0, 5707.0, 5679.0, 5592.0, 5448.0, 5309.0, 5492.0, 5647.0, 5653.0, 5555.0, 5522.0, 5604.0, 5373.0, 5323.0, 5467.0, 5313.0, 5470.0, 5640.0, 5489.0, 5649.0, 5524.0 (number of hits: 8)
3	5510.0	9	1.0	333	1	5398.0, 5334.0, 5493.0, 5651.0, 5357.0, 5588.0, 5623.0, 5565.0, 5265.0, 5688.0, 5434.0, 5366.0, 5666.0, 5365.0, 5527.0, 5317.0, 5457.0, 5658.0, 5481.0, 5607.0, 5443.0, 5257.0, 5631.0, 5680.0, 5292.0, 5299.0, 5661.0, 5722.0, 5312.0, 5325.0, 5495.0, 5682.0, 5367.0, 5343.0, 5502.0, 5553.0, 5592.0, 5499.0, 5303.0, 5282.0, 5286.0, 5644.0, 5645.0, 5285.0, 5438.0, 5255.0, 5328.0, 5630.0, 5359.0, 5492.0, 5470.0, 5537.0, 5494.0, 5350.0, 5485.0, 5466.0, 5704.0, 5479.0, 5572.0, 5432.0, 5355.0, 5327.0, 5467.0, 5693.0, 5472.0,

						5648.0, 5536.0, 5719.0, 5535.0, 5635.0, 5532.0, 5428.0, 5270.0, 5618.0, 5570.0, 5363.0, 5295.0, 5280.0, 5548.0, 5268.0, 5627.0, 5362.0, 5524.0, 5602.0, 5578.0, 5581.0, 5354.0, 5560.0, 5273.0, 5677.0, 5573.0, 5322.0, 5723.0, 5454.0, 5390.0, 5319.0, 5568.0, 5384.0, 5348.0, 5637.0 (number of hits: 8)
4	5510.0	9	1.0	333	1	5601.0, 5317.0, 5332.0, 5505.0, 5467.0, 5717.0, 5348.0, 5534.0, 5556.0, 5582.0, 5489.0, 5325.0, 5567.0, 5546.0, 5487.0, 5519.0, 5468.0, 5291.0, 5685.0, 5507.0, 5337.0, 5274.0, 5473.0, 5615.0, 5591.0, 5612.0, 5463.0, 5479.0, 5270.0, 5625.0, 5403.0, 5443.0, 5339.0, 5486.0, 5661.0, 5618.0, 5474.0, 5419.0, 5532.0, 5647.0, 5645.0, 5701.0, 5548.0, 5710.0, 5650.0, 5383.0, 5584.0, 5311.0, 5282.0, 5628.0, 5371.0, 5553.0, 5300.0, 5658.0, 5435.0, 5466.0, 5702.0, 5369.0, 5322.0, 5705.0, 5674.0, 5588.0, 5451.0, 5575.0, 5377.0, 5655.0, 5617.0, 5502.0, 5561.0, 5537.0, 5643.0, 5557.0, 5713.0, 5341.0, 5699.0, 5327.0, 5563.0, 5590.0, 5298.0, 5568.0, 5708.0, 5665.0, 5461.0, 5660.0, 5321.0, 5481.0, 5330.0, 5547.0, 5497.0, 5287.0, 5527.0, 5533.0, 5397.0, 5372.0, 5428.0, 5418.0, 5515.0, 5652.0, 5413.0, 5577.0 (number of hits: 7)
5	5510.0	9	1.0	333	1	5627.0, 5407.0, 5312.0, 5683.0, 5404.0, 5274.0, 5269.0, 5322.0, 5256.0, 5298.0, 5491.0, 5704.0, 5635.0, 5681.0, 5321.0, 5554.0, 5363.0, 5703.0, 5346.0, 5430.0, 5466.0, 5421.0, 5696.0, 5527.0, 5516.0, 5273.0, 5718.0, 5515.0, 5290.0, 5547.0, 5327.0, 5476.0, 5479.0, 5344.0, 5613.0, 5317.0, 5329.0, 5337.0, 5510.0, 5265.0, 5459.0, 5600.0, 5719.0, 5672.0, 5524.0, 5292.0, 5335.0, 5262.0, 5333.0, 5517.0, 5263.0, 5276.0, 5285.0, 5537.0, 5369.0, 5612.0, 5259.0, 5668.0, 5642.0, 5533.0, 5469.0, 5667.0, 5513.0, 5555.0, 5550.0, 5663.0, 5625.0, 5543.0, 5622.0, 5356.0, 5643.0, 5688.0, 5570.0, 5518.0, 5580.0, 5406.0, 5700.0, 5444.0, 5722.0, 5723.0, 5414.0, 5425.0, 5697.0, 5647.0, 5334.0, 5507.0, 5434.0, 5648.0, 5417.0, 5330.0, 5281.0, 5272.0, 5275.0, 5619.0, 5268.0, 5503.0, 5552.0, 5493.0, 5630.0, 5604.0 (number of hits: 11)
6	5510.0	9	1.0	333	1	5673.0, 5351.0, 5588.0, 5319.0, 5495.0, 5341.0, 5267.0, 5469.0, 5371.0, 5298.0, 5492.0, 5591.0, 5315.0, 5345.0, 5481.0, 5436.0, 5336.0, 5699.0, 5558.0, 5505.0, 5545.0, 5453.0, 5598.0, 5700.0, 5431.0, 5511.0, 5525.0, 5608.0, 5532.0, 5664.0, 5459.0, 5555.0, 5560.0, 5318.0, 5592.0, 5522.0, 5720.0, 5632.0, 5334.0, 5389.0, 5471.0, 5656.0, 5554.0, 5501.0, 5520.0, 5651.0, 5485.0, 5293.0, 5444.0, 5255.0, 5286.0, 5668.0, 5704.0, 5683.0, 5280.0,

						5360.0, 5317.0, 5416.0, 5260.0, 5488.0, 5309.0, 5388.0, 5506.0, 5392.0, 5582.0, 5258.0, 5524.0, 5685.0, 5296.0, 5276.0, 5448.0, 5611.0, 5403.0, 5623.0, 5616.0, 5671.0, 5292.0, 5425.0, 5257.0, 5715.0, 5404.0, 5680.0, 5361.0, 5567.0, 5299.0, 5378.0, 5510.0, 5557.0, 5320.0, 5329.0, 5686.0, 5476.0, 5393.0, 5654.0, 5454.0, 5580.0, 5552.0, 5369.0, 5367.0, 5398.0 (number of hits: 11)
7	5510.0	9	1.0	333	1	5300.0, 5402.0, 5561.0, 5464.0, 5580.0, 5500.0, 5678.0, 5594.0, 5288.0, 5644.0, 5687.0, 5645.0, 5534.0, 5623.0, 5625.0, 5524.0, 5314.0, 5363.0, 5586.0, 5393.0, 5467.0, 5576.0, 5295.0, 5290.0, 5664.0, 5305.0, 5411.0, 5437.0, 5283.0, 5675.0, 5638.0, 5320.0, 5694.0, 5385.0, 5355.0, 5324.0, 5636.0, 5606.0, 5525.0, 5433.0, 5642.0, 5677.0, 5616.0, 5325.0, 5685.0, 5614.0, 5287.0, 5569.0, 5273.0, 5280.0, 5704.0, 5450.0, 5310.0, 5615.0, 5415.0, 5368.0, 5647.0, 5252.0, 5302.0, 5388.0, 5392.0, 5257.0, 5582.0, 5641.0, 5508.0, 5344.0, 5493.0, 5308.0, 5723.0, 5480.0, 5657.0, 5662.0, 5276.0, 5377.0, 5528.0, 5389.0, 5399.0, 5495.0, 5671.0, 5422.0, 5251.0, 5546.0, 5484.0, 5444.0, 5486.0, 5587.0, 5597.0, 5357.0, 5696.0, 5690.0, 5466.0, 5607.0, 5545.0, 5391.0, 5666.0, 5312.0, 5488.0, 5523.0, 5364.0, 5468.0 (number of hits: 7)
8	5510.0	9	1.0	333	1	5352.0, 5459.0, 5564.0, 5329.0, 5697.0, 5503.0, 5423.0, 5306.0, 5296.0, 5542.0, 5575.0, 5567.0, 5313.0, 5413.0, 5525.0, 5518.0, 5691.0, 5274.0, 5294.0, 5474.0, 5426.0, 5383.0, 5541.0, 5674.0, 5464.0, 5634.0, 5403.0, 5280.0, 5470.0, 5298.0, 5362.0, 5700.0, 5718.0, 5367.0, 5378.0, 5289.0, 5617.0, 5655.0, 5684.0, 5613.0, 5639.0, 5488.0, 5561.0, 5513.0, 5631.0, 5389.0, 5637.0, 5608.0, 5358.0, 5314.0, 5713.0, 5502.0, 5720.0, 5548.0, 5456.0, 5485.0, 5594.0, 5299.0, 5344.0, 5719.0, 5351.0, 5262.0, 5267.0, 5436.0, 5312.0, 5467.0, 5482.0, 5257.0, 5710.0, 5340.0, 5647.0, 5650.0, 5323.0, 5254.0, 5446.0, 5404.0, 5555.0, 5255.0, 5326.0, 5364.0, 5483.0, 5723.0, 5302.0, 5673.0, 5618.0, 5328.0, 5330.0, 5615.0, 5487.0, 5661.0, 5269.0, 5517.0, 5354.0, 5273.0, 5468.0, 5529.0, 5705.0, 5607.0, 5411.0, 5560.0 (number of hits: 6)
9	5510.0	9	1.0	333	1	5674.0, 5366.0, 5539.0, 5427.0, 5315.0, 5406.0, 5466.0, 5325.0, 5312.0, 5650.0, 5595.0, 5490.0, 5403.0, 5314.0, 5453.0, 5268.0, 5390.0, 5415.0, 5681.0, 5428.0, 5302.0, 5580.0, 5272.0, 5713.0, 5431.0, 5345.0, 5373.0, 5253.0, 5414.0, 5264.0, 5627.0, 5389.0, 5506.0, 5429.0, 5484.0, 5433.0, 5503.0, 5266.0, 5477.0, 5690.0, 5276.0, 5567.0, 5397.0, 5585.0, 5364.0,

						5705.0, 5465.0, 5330.0, 5418.0, 5657.0, 5489.0, 5337.0, 5296.0, 5574.0, 5550.0, 5515.0, 5323.0, 5649.0, 5400.0, 5508.0, 5321.0, 5255.0, 5425.0, 5554.0, 5299.0, 5485.0, 5511.0, 5598.0, 5719.0, 5309.0, 5663.0, 5576.0, 5365.0, 5298.0, 5471.0, 5282.0, 5570.0, 5281.0, 5357.0, 5615.0, 5251.0, 5413.0, 5463.0, 5399.0, 5410.0, 5549.0, 5711.0, 5372.0, 5310.0, 5572.0, 5468.0, 5407.0, 5305.0, 5659.0, 5646.0, 5544.0, 5582.0, 5568.0, 5304.0, 5712.0 (number of hits: 5)
10	5510.0	9	1.0	333	1	5340.0, 5271.0, 5447.0, 5541.0, 5372.0, 5549.0, 5410.0, 5564.0, 5491.0, 5684.0, 5382.0, 5511.0, 5351.0, 5408.0, 5480.0, 5264.0, 5463.0, 5286.0, 5295.0, 5267.0, 5345.0, 5482.0, 5308.0, 5651.0, 5697.0, 5363.0, 5678.0, 5322.0, 5648.0, 5423.0, 5658.0, 5574.0, 5529.0, 5663.0, 5532.0, 5685.0, 5544.0, 5314.0, 5524.0, 5696.0, 5665.0, 5452.0, 5640.0, 5472.0, 5403.0, 5672.0, 5621.0, 5717.0, 5709.0, 5666.0, 5406.0, 5367.0, 5460.0, 5636.0, 5443.0, 5280.0, 5703.0, 5298.0, 5464.0, 5415.0, 5390.0, 5341.0, 5329.0, 5455.0, 5546.0, 5258.0, 5498.0, 5274.0, 5620.0, 5604.0, 5359.0, 5411.0, 5554.0, 5657.0, 5506.0, 5676.0, 5427.0, 5545.0, 5713.0, 5515.0, 5646.0, 5339.0, 5373.0, 5633.0, 5555.0, 5508.0, 5440.0, 5512.0, 5304.0, 5279.0, 5629.0, 5431.0, 5430.0, 5321.0, 5701.0, 5552.0, 5644.0, 5383.0, 5425.0, 5394.0 (number of hits: 7)
11	5510.0	9	1.0	333	1	5496.0, 5486.0, 5690.0, 5541.0, 5504.0, 5559.0, 5542.0, 5390.0, 5329.0, 5649.0, 5377.0, 5396.0, 5696.0, 5679.0, 5345.0, 5389.0, 5497.0, 5544.0, 5394.0, 5285.0, 5662.0, 5332.0, 5577.0, 5365.0, 5506.0, 5337.0, 5701.0, 5448.0, 5516.0, 5468.0, 5562.0, 5584.0, 5707.0, 5409.0, 5414.0, 5291.0, 5545.0, 5663.0, 5273.0, 5644.0, 5709.0, 5661.0, 5491.0, 5423.0, 5438.0, 5424.0, 5376.0, 5348.0, 5537.0, 5265.0, 5341.0, 5364.0, 5495.0, 5574.0, 5300.0, 5543.0, 5711.0, 5359.0, 5288.0, 5371.0, 5551.0, 5299.0, 5294.0, 5540.0, 5292.0, 5563.0, 5428.0, 5647.0, 5568.0, 5511.0, 5442.0, 5600.0, 5621.0, 5643.0, 5490.0, 5524.0, 5650.0, 5369.0, 5576.0, 5308.0, 5278.0, 5358.0, 5617.0, 5587.0, 5713.0, 5406.0, 5280.0, 5387.0, 5555.0, 5634.0, 5412.0, 5407.0, 5529.0, 5317.0, 5461.0, 5375.0, 5417.0, 5611.0, 5275.0, 5637.0 (number of hits: 8)
12	5510.0	9	1.0	333	1	5716.0, 5475.0, 5471.0, 5341.0, 5391.0, 5346.0, 5686.0, 5466.0, 5344.0, 5522.0, 5397.0, 5554.0, 5268.0, 5457.0, 5336.0, 5623.0, 5342.0, 5569.0, 5608.0, 5292.0, 5431.0, 5523.0, 5442.0, 5568.0, 5654.0, 5504.0, 5274.0, 5375.0, 5403.0, 5667.0, 5488.0, 5582.0, 5496.0, 5699.0, 5432.0,

						5347.0, 5345.0, 5707.0, 5602.0, 5451.0, 5489.0, 5606.0, 5640.0, 5446.0, 5367.0, 5263.0, 5309.0, 5402.0, 5381.0, 5536.0, 5510.0, 5552.0, 5429.0, 5590.0, 5565.0, 5405.0, 5276.0, 5710.0, 5622.0, 5474.0, 5505.0, 5598.0, 5499.0, 5264.0, 5282.0, 5400.0, 5614.0, 5660.0, 5436.0, 5444.0, 5417.0, 5659.0, 5360.0, 5591.0, 5289.0, 5385.0, 5685.0, 5331.0, 5286.0, 5330.0, 5479.0, 5638.0, 5333.0, 5326.0, 5561.0, 5517.0, 5529.0, 5378.0, 5544.0, 5351.0, 5464.0, 5585.0, 5440.0, 5722.0, 5357.0, 5596.0, 5472.0, 5376.0, 5250.0, 5656.0 (number of hits: 8)
13	5510.0	9	1.0	333	1	5364.0, 5682.0, 5693.0, 5357.0, 5275.0, 5549.0, 5288.0, 5360.0, 5272.0, 5311.0, 5678.0, 5318.0, 5564.0, 5666.0, 5328.0, 5696.0, 5539.0, 5628.0, 5599.0, 5663.0, 5350.0, 5290.0, 5383.0, 5642.0, 5627.0, 5302.0, 5597.0, 5457.0, 5258.0, 5421.0, 5378.0, 5256.0, 5453.0, 5336.0, 5315.0, 5684.0, 5626.0, 5572.0, 5685.0, 5610.0, 5647.0, 5296.0, 5655.0, 5344.0, 5321.0, 5366.0, 5284.0, 5390.0, 5372.0, 5475.0, 5283.0, 5476.0, 5289.0, 5252.0, 5287.0, 5521.0, 5448.0, 5345.0, 5393.0, 5551.0, 5556.0, 5699.0, 5456.0, 5722.0, 5639.0, 5677.0, 5295.0, 5482.0, 5428.0, 5562.0, 5381.0, 5501.0, 5571.0, 5700.0, 5257.0, 5285.0, 5445.0, 5463.0, 5687.0, 5454.0, 5547.0, 5375.0, 5385.0, 5286.0, 5414.0, 5343.0, 5376.0, 5422.0, 5638.0, 5621.0, 5577.0, 5646.0, 5333.0, 5293.0, 5614.0, 5340.0, 5277.0, 5450.0, 5451.0, 5330.0 (number of hits: 2)
14	5510.0	9	1.0	333	1	5700.0, 5403.0, 5628.0, 5648.0, 5483.0, 5603.0, 5457.0, 5475.0, 5666.0, 5285.0, 5325.0, 5675.0, 5299.0, 5443.0, 5258.0, 5436.0, 5538.0, 5688.0, 5371.0, 5309.0, 5252.0, 5365.0, 5712.0, 5463.0, 5536.0, 5572.0, 5458.0, 5297.0, 5304.0, 5368.0, 5408.0, 5372.0, 5482.0, 5662.0, 5277.0, 5421.0, 5382.0, 5715.0, 5432.0, 5556.0, 5466.0, 5468.0, 5510.0, 5367.0, 5318.0, 5288.0, 5588.0, 5323.0, 5358.0, 5345.0, 5332.0, 5359.0, 5671.0, 5665.0, 5524.0, 5356.0, 5369.0, 5567.0, 5632.0, 5255.0, 5512.0, 5476.0, 5615.0, 5485.0, 5500.0, 5438.0, 5559.0, 5442.0, 5633.0, 5474.0, 5604.0, 5653.0, 5415.0, 5311.0, 5717.0, 5523.0, 5494.0, 5447.0, 5514.0, 5586.0, 5600.0, 5531.0, 5418.0, 5394.0, 5626.0, 5276.0, 5515.0, 5375.0, 5349.0, 5511.0, 5654.0, 5431.0, 5360.0, 5322.0, 5283.0, 5353.0, 5565.0, 5491.0, 5691.0, 5694.0 (number of hits: 9)
15	5510.0	9	1.0	333	1	5465.0, 5349.0, 5646.0, 5344.0, 5656.0, 5423.0, 5415.0, 5628.0, 5353.0, 5533.0, 5524.0, 5265.0, 5351.0, 5464.0, 5370.0, 5655.0, 5274.0, 5716.0, 5574.0, 5376.0, 5329.0, 5473.0, 5600.0, 5699.0, 5413.0,

						5432.0, 5277.0, 5461.0, 5330.0, 5617.0, 5419.0, 5532.0, 5295.0, 5442.0, 5719.0, 5300.0, 5616.0, 5592.0, 5494.0, 5583.0, 5667.0, 5427.0, 5649.0, 5433.0, 5573.0, 5654.0, 5648.0, 5470.0, 5291.0, 5407.0, 5280.0, 5685.0, 5520.0, 5541.0, 5341.0, 5436.0, 5673.0, 5348.0, 5500.0, 5550.0, 5559.0, 5578.0, 5599.0, 5587.0, 5525.0, 5292.0, 5409.0, 5343.0, 5613.0, 5346.0, 5657.0, 5358.0, 5455.0, 5605.0, 5345.0, 5399.0, 5552.0, 5386.0, 5575.0, 5335.0, 5257.0, 5562.0, 5694.0, 5317.0, 5669.0, 5594.0, 5690.0, 5681.0, 5286.0, 5512.0, 5510.0, 5640.0, 5301.0, 5486.0, 5543.0, 5653.0, 5424.0, 5495.0, 5503.0, 5323.0 (number of hits: 9)
16	5510.0	9	1.0	333	1	5281.0, 5551.0, 5504.0, 5656.0, 5386.0, 5399.0, 5297.0, 5378.0, 5711.0, 5462.0, 5336.0, 5529.0, 5491.0, 5499.0, 5505.0, 5723.0, 5330.0, 5552.0, 5630.0, 5465.0, 5648.0, 5444.0, 5662.0, 5721.0, 5616.0, 5486.0, 5302.0, 5289.0, 5472.0, 5535.0, 5362.0, 5397.0, 5469.0, 5423.0, 5375.0, 5574.0, 5463.0, 5439.0, 5716.0, 5361.0, 5509.0, 5449.0, 5306.0, 5575.0, 5550.0, 5587.0, 5701.0, 5453.0, 5276.0, 5476.0, 5667.0, 5665.0, 5591.0, 5629.0, 5510.0, 5487.0, 5411.0, 5348.0, 5682.0, 5284.0, 5451.0, 5597.0, 5691.0, 5442.0, 5501.0, 5488.0, 5255.0, 5578.0, 5309.0, 5327.0, 5407.0, 5554.0, 5431.0, 5527.0, 5684.0, 5498.0, 5528.0, 5542.0, 5466.0, 5353.0, 5356.0, 5260.0, 5263.0, 5408.0, 5564.0, 5703.0, 5623.0, 5676.0, 5559.0, 5369.0, 5385.0, 5660.0, 5622.0, 5310.0, 5380.0, 5672.0, 5503.0, 5689.0, 5573.0, 5290.0 (number of hits: 9)
17	5510.0	9	1.0	333	1	5305.0, 5407.0, 5352.0, 5412.0, 5458.0, 5350.0, 5539.0, 5542.0, 5618.0, 5375.0, 5312.0, 5328.0, 5400.0, 5453.0, 5311.0, 5672.0, 5667.0, 5256.0, 5526.0, 5654.0, 5606.0, 5255.0, 5503.0, 5494.0, 5572.0, 5663.0, 5364.0, 5532.0, 5365.0, 5700.0, 5432.0, 5580.0, 5662.0, 5550.0, 5304.0, 5286.0, 5656.0, 5402.0, 5285.0, 5614.0, 5624.0, 5599.0, 5273.0, 5486.0, 5465.0, 5566.0, 5332.0, 5457.0, 5359.0, 5616.0, 5604.0, 5441.0, 5470.0, 5689.0, 5300.0, 5553.0, 5450.0, 5598.0, 5721.0, 5512.0, 5388.0, 5349.0, 5638.0, 5419.0, 5633.0, 5479.0, 5399.0, 5625.0, 5485.0, 5423.0, 5576.0, 5636.0, 5551.0, 5354.0, 5289.0, 5268.0, 5515.0, 5469.0, 5440.0, 5711.0, 5556.0, 5413.0, 5698.0, 5270.0, 5537.0, 5524.0, 5708.0, 5578.0, 5647.0, 5504.0, 5381.0, 5326.0, 5554.0, 5513.0, 5410.0, 5483.0, 5705.0, 5709.0, 5561.0, 5516.0 (number of hits: 9)
18	5510.0	9	1.0	333	1	5301.0, 5646.0, 5564.0, 5519.0, 5663.0, 5434.0, 5554.0, 5511.0, 5381.0, 5696.0, 5405.0, 5416.0, 5523.0, 5407.0, 5623.0,

						5504.0, 5259.0, 5459.0, 5385.0, 5691.0, 5284.0, 5466.0, 5477.0, 5285.0, 5460.0, 5684.0, 5352.0, 5326.0, 5431.0, 5429.0, 5580.0, 5276.0, 5406.0, 5525.0, 5255.0, 5711.0, 5681.0, 5391.0, 5273.0, 5669.0, 5499.0, 5706.0, 5312.0, 5495.0, 5688.0, 5327.0, 5308.0, 5600.0, 5555.0, 5420.0, 5309.0, 5708.0, 5597.0, 5707.0, 5341.0, 5671.0, 5342.0, 5364.0, 5516.0, 5673.0, 5699.0, 5586.0, 5400.0, 5496.0, 5587.0, 5393.0, 5419.0, 5552.0, 5390.0, 5690.0, 5346.0, 5591.0, 5515.0, 5497.0, 5270.0, 5392.0, 5314.0, 5614.0, 5274.0, 5528.0, 5657.0, 5589.0, 5494.0, 5291.0, 5257.0, 5313.0, 5371.0, 5451.0, 5443.0, 5262.0, 5658.0, 5675.0, 5413.0, 5398.0, 5522.0, 5347.0, 5632.0, 5444.0, 5566.0, 5610.0 (number of hits: 13)
19	5510.0	9	1.0	333	1	5300.0, 5258.0, 5414.0, 5659.0, 5653.0, 5382.0, 5550.0, 5305.0, 5565.0, 5537.0, 5689.0, 5485.0, 5281.0, 5405.0, 5339.0, 5393.0, 5271.0, 5337.0, 5454.0, 5286.0, 5397.0, 5490.0, 5363.0, 5469.0, 5543.0, 5349.0, 5492.0, 5359.0, 5647.0, 5287.0, 5417.0, 5398.0, 5652.0, 5723.0, 5503.0, 5477.0, 5473.0, 5341.0, 5654.0, 5536.0, 5696.0, 5453.0, 5369.0, 5283.0, 5446.0, 5575.0, 5345.0, 5498.0, 5577.0, 5524.0, 5326.0, 5254.0, 5570.0, 5603.0, 5622.0, 5291.0, 5368.0, 5676.0, 5434.0, 5435.0, 5648.0, 5706.0, 5452.0, 5595.0, 5442.0, 5630.0, 5564.0, 5424.0, 5553.0, 5328.0, 5684.0, 5316.0, 5669.0, 5270.0, 5521.0, 5444.0, 5519.0, 5427.0, 5407.0, 5462.0, 5673.0, 5348.0, 5532.0, 5330.0, 5347.0, 5617.0, 5634.0, 5544.0, 5274.0, 5318.0, 5562.0, 5618.0, 5581.0, 5388.0, 5632.0, 5262.0, 5375.0, 5613.0, 5360.0, 5609.0 (number of hits: 6)
20	5510.0	9	1.0	333	1	5392.0, 5407.0, 5496.0, 5600.0, 5627.0, 5508.0, 5451.0, 5690.0, 5503.0, 5657.0, 5504.0, 5560.0, 5375.0, 5533.0, 5321.0, 5322.0, 5618.0, 5650.0, 5660.0, 5553.0, 5416.0, 5346.0, 5571.0, 5261.0, 5674.0, 5277.0, 5520.0, 5619.0, 5575.0, 5473.0, 5284.0, 5449.0, 5256.0, 5442.0, 5309.0, 5509.0, 5456.0, 5538.0, 5722.0, 5665.0, 5676.0, 5693.0, 5434.0, 5288.0, 5406.0, 5463.0, 5670.0, 5597.0, 5342.0, 5585.0, 5525.0, 5680.0, 5355.0, 5475.0, 5701.0, 5349.0, 5625.0, 5481.0, 5565.0, 5637.0, 5566.0, 5414.0, 5409.0, 5577.0, 5544.0, 5710.0, 5673.0, 5668.0, 5684.0, 5273.0, 5390.0, 5555.0, 5310.0, 5278.0, 5700.0, 5686.0, 5272.0, 5431.0, 5715.0, 5489.0, 5263.0, 5364.0, 5330.0, 5521.0, 5439.0, 5352.0, 5675.0, 5255.0, 5612.0, 5457.0, 5642.0, 5653.0, 5570.0, 5516.0, 5567.0, 5350.0, 5549.0, 5333.0, 5290.0, 5558.0 (number of hits: 9)
21	5510.0	9	1.0	333	1	5582.0, 5475.0, 5418.0, 5323.0, 5556.0,

						5603.0, 5290.0, 5656.0, 5422.0, 5280.0, 5333.0, 5272.0, 5368.0, 5307.0, 5601.0, 5523.0, 5566.0, 5435.0, 5507.0, 5375.0, 5284.0, 5642.0, 5262.0, 5550.0, 5285.0, 5414.0, 5474.0, 5567.0, 5708.0, 5541.0, 5401.0, 5584.0, 5472.0, 5640.0, 5683.0, 5518.0, 5399.0, 5536.0, 5314.0, 5345.0, 5447.0, 5698.0, 5666.0, 5660.0, 5482.0, 5551.0, 5348.0, 5302.0, 5694.0, 5327.0, 5515.0, 5326.0, 5673.0, 5480.0, 5722.0, 5411.0, 5485.0, 5693.0, 5358.0, 5467.0, 5533.0, 5520.0, 5319.0, 5692.0, 5639.0, 5484.0, 5377.0, 5671.0, 5696.0, 5325.0, 5273.0, 5407.0, 5570.0, 5265.0, 5376.0, 5634.0, 5288.0, 5620.0, 5355.0, 5677.0, 5701.0, 5621.0, 5336.0, 5266.0, 5525.0, 5413.0, 5469.0, 5565.0, 5680.0, 5644.0, 5486.0, 5545.0, 5534.0, 5384.0, 5662.0, 5690.0, 5458.0, 5554.0, 5688.0, 5717.0 (number of hits: 6)
22	5510.0	9	1.0	333	1	5696.0, 5469.0, 5602.0, 5416.0, 5553.0, 5647.0, 5368.0, 5515.0, 5276.0, 5278.0, 5305.0, 5286.0, 5482.0, 5564.0, 5530.0, 5616.0, 5294.0, 5723.0, 5585.0, 5317.0, 5560.0, 5362.0, 5713.0, 5708.0, 5547.0, 5408.0, 5528.0, 5483.0, 5655.0, 5714.0, 5377.0, 5534.0, 5665.0, 5583.0, 5325.0, 5586.0, 5303.0, 5275.0, 5683.0, 5386.0, 5459.0, 5520.0, 5254.0, 5652.0, 5253.0, 5686.0, 5256.0, 5577.0, 5717.0, 5559.0, 5525.0, 5622.0, 5670.0, 5505.0, 5608.0, 5425.0, 5365.0, 5593.0, 5432.0, 5566.0, 5255.0, 5470.0, 5414.0, 5452.0, 5448.0, 5675.0, 5284.0, 5409.0, 5611.0, 5404.0, 5605.0, 5478.0, 5539.0, 5638.0, 5315.0, 5437.0, 5451.0, 5296.0, 5453.0, 5657.0, 5571.0, 5292.0, 5270.0, 5691.0, 5522.0, 5556.0, 5651.0, 5471.0, 5588.0, 5578.0, 5486.0, 5628.0, 5721.0, 5374.0, 5678.0, 5599.0, 5506.0, 5719.0, 5313.0, 5257.0 (number of hits: 6)
23	5510.0	9	1.0	333	1	5314.0, 5255.0, 5592.0, 5585.0, 5476.0, 5388.0, 5541.0, 5702.0, 5436.0, 5301.0, 5615.0, 5522.0, 5307.0, 5647.0, 5294.0, 5709.0, 5397.0, 5540.0, 5521.0, 5479.0, 5389.0, 5721.0, 5376.0, 5609.0, 5462.0, 5577.0, 5416.0, 5408.0, 5605.0, 5287.0, 5634.0, 5387.0, 5303.0, 5382.0, 5708.0, 5619.0, 5549.0, 5410.0, 5601.0, 5434.0, 5257.0, 5539.0, 5486.0, 5380.0, 5493.0, 5325.0, 5569.0, 5262.0, 5322.0, 5381.0, 5277.0, 5487.0, 5572.0, 5418.0, 5374.0, 5665.0, 5313.0, 5263.0, 5636.0, 5438.0, 5306.0, 5329.0, 5679.0, 5643.0, 5548.0, 5377.0, 5316.0, 5501.0, 5405.0, 5311.0, 5606.0, 5608.0, 5561.0, 5586.0, 5545.0, 5363.0, 5253.0, 5308.0, 5399.0, 5675.0, 5357.0, 5419.0, 5706.0, 5598.0, 5350.0, 5638.0, 5334.0, 5664.0, 5568.0, 5477.0, 5414.0, 5713.0, 5531.0, 5285.0, 5413.0, 5372.0, 5286.0, 5524.0, 5309.0, 5270.0

						(number of hits: 5
24	5510.0	9	1.0	333	1	5452.0, 5671.0, 5592.0, 5602.0, 5342.0, 5336.0, 5279.0, 5429.0, 5685.0, 5600.0, 5488.0, 5276.0, 5344.0, 5694.0, 5305.0, 5693.0, 5440.0, 5311.0, 5585.0, 5653.0, 5343.0, 5368.0, 5570.0, 5449.0, 5625.0, 5572.0, 5422.0, 5328.0, 5701.0, 5404.0, 5632.0, 5354.0, 5394.0, 5557.0, 5576.0, 5519.0, 5645.0, 5522.0, 5455.0, 5347.0, 5461.0, 5317.0, 5361.0, 5392.0, 5438.0, 5388.0, 5684.0, 5497.0, 5300.0, 5434.0, 5696.0, 5665.0, 5588.0, 5259.0, 5715.0, 5697.0, 5324.0, 5377.0, 5337.0, 5507.0, 5650.0, 5531.0, 5662.0, 5626.0, 5710.0, 5358.0, 5298.0, 5321.0, 5616.0, 5661.0, 5599.0, 5698.0, 5486.0, 5583.0, 5642.0, 5476.0, 5689.0, 5601.0, 5280.0, 5532.0, 5481.0, 5561.0, 5523.0, 5598.0, 5414.0, 5647.0, 5658.0, 5334.0, 5462.0, 5325.0, 5718.0, 5524.0, 5389.0, 5676.0, 5326.0, 5290.0, 5415.0, 5534.0, 5657.0, 5399.0 (number of hits: 6
25	5510.0	9	1.0	333	1	5427.0, 5596.0, 5473.0, 5614.0, 5384.0, 5326.0, 5497.0, 5373.0, 5353.0, 5297.0, 5479.0, 5265.0, 5284.0, 5715.0, 5460.0, 5702.0, 5485.0, 5587.0, 5709.0, 5549.0, 5607.0, 5293.0, 5680.0, 5474.0, 5468.0, 5565.0, 5597.0, 5365.0, 5647.0, 5498.0, 5659.0, 5399.0, 5282.0, 5524.0, 5255.0, 5415.0, 5708.0, 5717.0, 5446.0, 5502.0, 5620.0, 5584.0, 5296.0, 5645.0, 5626.0, 5425.0, 5263.0, 5619.0, 5395.0, 5577.0, 5669.0, 5530.0, 5308.0, 5450.0, 5489.0, 5540.0, 5278.0, 5374.0, 5458.0, 5558.0, 5487.0, 5523.0, 5351.0, 5317.0, 5426.0, 5579.0, 5718.0, 5576.0, 5467.0, 5266.0, 5513.0, 5464.0, 5261.0, 5421.0, 5721.0, 5677.0, 5649.0, 5375.0, 5544.0, 5686.0, 5380.0, 5345.0, 5405.0, 5429.0, 5390.0, 5651.0, 5322.0, 5546.0, 5383.0, 5476.0, 5547.0, 5537.0, 5665.0, 5443.0, 5262.0, 5608.0, 5559.0, 5379.0, 5484.0, 5276.0 (number of hits: 6)
26	5510.0	9	1.0	333	1	5291.0, 5395.0, 5666.0, 5267.0, 5405.0, 5710.0, 5511.0, 5292.0, 5447.0, 5630.0, 5334.0, 5620.0, 5290.0, 5502.0, 5461.0, 5598.0, 5515.0, 5288.0, 5274.0, 5347.0, 5627.0, 5350.0, 5362.0, 5556.0, 5656.0, 5473.0, 5639.0, 5532.0, 5722.0, 5434.0, 5262.0, 5307.0, 5611.0, 5488.0, 5378.0, 5453.0, 5312.0, 5293.0, 5270.0, 5265.0, 5513.0, 5545.0, 5459.0, 5690.0, 5516.0, 5575.0, 5427.0, 5579.0, 5266.0, 5468.0, 5584.0, 5297.0, 5713.0, 5705.0, 5707.0, 5531.0, 5682.0, 5692.0, 5315.0, 5296.0, 5486.0, 5675.0, 5537.0, 5367.0, 5595.0, 5609.0, 5343.0, 5308.0, 5460.0, 5304.0, 5536.0, 5619.0, 5424.0, 5444.0, 5340.0, 5336.0, 5606.0, 5268.0, 5496.0, 5557.0, 5260.0, 5633.0, 5364.0, 5431.0, 5429.0, 5273.0, 5712.0, 5418.0, 5403.0, 5325.0,

						5632.0, 5501.0, 5441.0, 5489.0, 5452.0, 5519.0, 5257.0, 5252.0, 5586.0, 5317.0 (number of hits: 8)
27	5510.0	9	1.0	333	1	5691.0, 5523.0, 5607.0, 5574.0, 5637.0, 5433.0, 5661.0, 5437.0, 5357.0, 5696.0, 5522.0, 5457.0, 5620.0, 5367.0, 5391.0, 5568.0, 5617.0, 5296.0, 5488.0, 5401.0, 5651.0, 5263.0, 5363.0, 5720.0, 5336.0, 5477.0, 5365.0, 5535.0, 5650.0, 5717.0, 5345.0, 5698.0, 5589.0, 5275.0, 5297.0, 5333.0, 5550.0, 5612.0, 5603.0, 5299.0, 5674.0, 5398.0, 5536.0, 5458.0, 5409.0, 5596.0, 5688.0, 5319.0, 5500.0, 5431.0, 5390.0, 5659.0, 5489.0, 5588.0, 5551.0, 5537.0, 5337.0, 5509.0, 5482.0, 5559.0, 5645.0, 5549.0, 5485.0, 5378.0, 5675.0, 5393.0, 5676.0, 5649.0, 5510.0, 5268.0, 5327.0, 5578.0, 5552.0, 5291.0, 5421.0, 5356.0, 5499.0, 5282.0, 5316.0, 5399.0, 5531.0, 5321.0, 5470.0, 5690.0, 5576.0, 5507.0, 5329.0, 5254.0, 5558.0, 5529.0, 5622.0, 5284.0, 5446.0, 5478.0, 5525.0, 5290.0, 5663.0, 5528.0, 5288.0, 5411.0 (number of hits: 8)
28	5510.0	9	1.0	333	1	5720.0, 5654.0, 5430.0, 5564.0, 5701.0, 5437.0, 5389.0, 5686.0, 5580.0, 5477.0, 5396.0, 5451.0, 5421.0, 5342.0, 5527.0, 5560.0, 5661.0, 5495.0, 5687.0, 5544.0, 5517.0, 5288.0, 5510.0, 5609.0, 5611.0, 5568.0, 5270.0, 5338.0, 5529.0, 5258.0, 5617.0, 5598.0, 5402.0, 5464.0, 5497.0, 5514.0, 5299.0, 5399.0, 5619.0, 5552.0, 5658.0, 5446.0, 5261.0, 5649.0, 5522.0, 5505.0, 5565.0, 5259.0, 5655.0, 5523.0, 5717.0, 5554.0, 5371.0, 5311.0, 5562.0, 5519.0, 5531.0, 5499.0, 5305.0, 5375.0, 5393.0, 5561.0, 5684.0, 5683.0, 5667.0, 5488.0, 5483.0, 5548.0, 5362.0, 5339.0, 5434.0, 5271.0, 5328.0, 5508.0, 5355.0, 5284.0, 5715.0, 5703.0, 5351.0, 5289.0, 5251.0, 5692.0, 5613.0, 5574.0, 5347.0, 5475.0, 5695.0, 5579.0, 5367.0, 5482.0, 5397.0, 5356.0, 5320.0, 5644.0, 5525.0, 5292.0, 5538.0, 5275.0, 5600.0, 5665.0 (number of hits: 13)
29	5510.0	9	1.0	333	1	5277.0, 5678.0, 5354.0, 5633.0, 5574.0, 5478.0, 5450.0, 5350.0, 5622.0, 5464.0, 5594.0, 5336.0, 5537.0, 5353.0, 5372.0, 5474.0, 5290.0, 5288.0, 5501.0, 5250.0, 5548.0, 5582.0, 5458.0, 5617.0, 5536.0, 5695.0, 5477.0, 5598.0, 5425.0, 5393.0, 5375.0, 5641.0, 5488.0, 5675.0, 5666.0, 5679.0, 5252.0, 5314.0, 5605.0, 5627.0, 5713.0, 5481.0, 5362.0, 5636.0, 5702.0, 5411.0, 5463.0, 5490.0, 5280.0, 5565.0, 5668.0, 5482.0, 5618.0, 5711.0, 5540.0, 5518.0, 5323.0, 5677.0, 5625.0, 5324.0, 5420.0, 5473.0, 5483.0, 5557.0, 5715.0, 5507.0, 5259.0, 5370.0, 5378.0, 5322.0, 5648.0, 5556.0, 5566.0, 5412.0, 5308.0, 5281.0, 5535.0, 5445.0, 5318.0, 5665.0,

						5657.0, 5263.0, 5283.0, 5570.0, 5307.0, 5716.0, 5602.0, 5404.0, 5663.0, 5438.0, 5624.0, 5701.0, 5497.0, 5613.0, 5513.0, 5446.0, 5360.0, 5265.0, 5291.0, 5431.0 (number of hits: 5)
30	5510.0	9	1.0	333	1	5375.0, 5380.0, 5686.0, 5366.0, 5622.0, 5369.0, 5443.0, 5475.0, 5621.0, 5440.0, 5310.0, 5576.0, 5312.0, 5539.0, 5487.0, 5655.0, 5397.0, 5501.0, 5675.0, 5670.0, 5511.0, 5625.0, 5693.0, 5430.0, 5330.0, 5705.0, 5565.0, 5627.0, 5495.0, 5257.0, 5722.0, 5328.0, 5265.0, 5630.0, 5672.0, 5457.0, 5556.0, 5379.0, 5317.0, 5711.0, 5439.0, 5386.0, 5554.0, 5355.0, 5288.0, 5309.0, 5465.0, 5442.0, 5303.0, 5702.0, 5504.0, 5709.0, 5320.0, 5545.0, 5322.0, 5301.0, 5644.0, 5400.0, 5650.0, 5297.0, 5438.0, 5542.0, 5681.0, 5394.0, 5639.0, 5691.0, 5667.0, 5597.0, 5582.0, 5608.0, 5552.0, 5537.0, 5536.0, 5287.0, 5323.0, 5428.0, 5720.0, 5407.0, 5558.0, 5635.0, 5494.0, 5615.0, 5293.0, 5285.0, 5302.0, 5588.0, 5619.0, 5680.0, 5384.0, 5679.0, 5364.0, 5424.0, 5541.0, 5367.0, 5710.0, 5295.0, 5292.0, 5567.0, 5719.0, 5574.0 (number of hits: 5)

Client Mode
Pine Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	73.3 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	68	1.0	778	1
2	92	1.0	578	1
3	57	1.0	938	1
4	89	1.0	598	1
5	70	1.0	758	1
6	72	1.0	738	1
7	99	1.0	538	1
8	62	1.0	858	1
9	81	1.0	658	1
10	58	1.0	918	1
11	63	1.0	838	1
12	61	1.0	878	1
13	67	1.0	798	1
14	59	1.0	898	1
15	78	1.0	678	1
1	22	1.0	2428	1
2	21	1.0	2582	1
3	66	1.0	804	1
4	73	1.0	723	0
5	19	1.0	2836	1
6	38	1.0	1418	1
7	91	1.0	581	1
8	44	1.0	1218	1
9	34	1.0	1594	1
10	24	1.0	2288	1
11	30	1.0	1772	1
12	20	1.0	2706	1
13	31	1.0	1706	1
14	19	1.0	2809	1
15	23	1.0	2296	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	28	4.5	167	1
2	25	4.7	159	1
3	29	4.9	199	1
4	26	1.6	192	1
5	29	3.3	157	1
6	27	3.9	150	1
7	28	3.7	184	1
8	23	5.0	211	1
9	26	2.8	222	1
10	23	1.7	222	1
11	25	3.3	163	1
12	23	2.5	162	1
13	29	1.4	207	1
14	23	3.7	156	1
15	28	1.1	164	0
16	26	2.7	177	1
17	25	2.3	220	1
18	29	4.3	193	1
19	24	1.0	216	1
20	29	2.8	152	1
21	23	2.8	229	0
22	23	4.3	205	1
23	29	3.8	168	1
24	27	2.2	205	1
25	24	1.1	203	1
26	26	4.8	230	1
27	26	1.4	198	0
28	29	4.9	195	1
29	25	1.7	191	1
30	23	5.0	189	1
Detection Percentage: 90 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.9	295	1
2	16	9.8	451	0
3	16	8.1	421	1
4	17	6.5	242	1
5	17	9.4	295	1
6	16	7.9	228	1
7	18	9.8	372	1
8	16	7.5	447	1
9	17	8.4	344	1
10	16	8.6	276	1
11	18	6.1	484	0
12	18	7.5	212	0
13	16	9.9	241	0
14	16	9.6	211	0
15	18	6.0	320	1
16	17	8.7	287	1
17	18	7.1	327	1
18	18	7.8	208	1
19	16	9.9	269	0
20	18	9.4	265	1
21	18	8.8	441	1
22	18	6.4	494	1
23	16	7.1	447	1
24	16	9.2	482	1
25	17	8.5	269	1
26	16	8.9	307	1
27	17	7.5	337	0
28	16	7.1	371	1
29	18	9.2	407	1
30	18	7.3	471	0
Detection Percentage: 73.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	14.6	319	1
2	16	13.3	360	1
3	15	18.3	454	1
4	15	14.0	417	1
5	16	17.7	322	1
6	15	13.5	244	1
7	16	16.5	209	1
8	13	12.4	212	1
9	14	16.1	335	1
10	16	15.0	320	1
11	15	12.7	416	1
12	16	11.2	378	0
13	14	14.7	483	0
14	16	18.2	332	0
15	13	11.4	312	1
16	12	13.5	332	1
17	14	19.6	334	1
18	12	12.9	353	1
19	15	19.5	299	1
20	12	15.4	290	1
21	14	19.3	236	0
22	14	12.3	452	1
23	12	13.2	410	1
24	12	15.7	401	0
25	12	19.5	229	1
26	16	13.6	408	1
27	16	11.1	376	1
28	14	17.1	425	0
29	13	18.6	438	0
30	14	13.6	239	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5497.5	1
12	5497.9	1
13	5493.9	1
14	5495.5	1
15	5497.9	1
16	5495.1	1
17	5497.1	1
18	5496.7	1
19	5497.9	1
20	5494.3	1
21	5562.5	1
22	5566.1	1
23	5563.7	1
24	5565.7	1
25	5560.9	1
26	5564.1	1
27	5561.7	1
28	5564.9	1
29	5563.3	1
30	5562.9	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	50.5	1640	1453	0.697118	1
1	3	9	72.5	1731	1070	1.143289	
2	2	9	80.8	1188		2.357170	
3	1	9	68.9			3.464614	
4	1	9	89.1			4.546430	
5	1	9	73.8			4.861225	
6	2	9	54.1	1674		6.360275	
7	2	9	67.0	1119		6.851003	
8	2	9	53.0	1689		8.058107	
9	2	9	61.2	1935		9.222185	
10	2	9	59.1	1149		9.890191	
11	3	9	82.0	1847	1518	10.429385	
12	1	9	79.0			11.404882	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	88.8	1636		0.670404	1
1	1	6	89.0			1.668005	
2	1	6	92.1			4.360272	
3	2	6	97.3	1886		5.607628	
4	2	6	64.7	1025		7.405978	
5	1	6	61.5			7.760436	
6	2	6	57.4	1141		9.038237	
7	1	6	79.0			10.677435	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	85.4	1014		0.539800	1
1	1	6	87.5			1.163209	
2	3	6	65.6	1320	1794	2.328980	
3	2	6	95.3	1153		3.224113	
4	1	6	89.3			4.229429	
5	2	6	62.4	1531		5.051873	
6	3	6	81.7	1894	1412	5.837633	
7	2	6	50.2	1045		6.718616	
8	2	6	98.9	1891		7.409980	
9	2	6	64.5	1042		8.565935	
10	1	6	84.3			9.918534	
11	3	6	58.9	1968	1847	10.947080	
12	2	6	83.5	1982		11.728633	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	81.3			0.095613	1
1	1	11	71.7			2.606210	
2	1	11	74.5			3.240750	
3	2	11	85.7	1311		5.326414	
4	3	11	66.1	1121	1251	6.556257	
5	3	11	66.0	1382	1093	6.773978	
6	3	11	64.6	1380	1078	8.310137	
7	1	11	57.2			10.282422	
8	2	11	91.6	1755		11.001089	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	73.0	1196		0.311194	
1	2	11	96.7	1084		1.093635	
2	3	11	62.0	1055	1936	1.672706	
3	2	11	81.3	1068		1.967157	
4	3	11	86.2	1114	1213	2.576973	
5	1	11	60.6			3.472379	
6	3	11	55.5	1235	1186	4.241920	
7	2	11	78.3	1300		4.681201	
8	1	11	98.9			5.265534	
9	1	11	71.3			5.976917	1
10	2	11	90.1	1722		6.655173	
11	1	11	68.5			7.418553	
12	3	11	72.3	1495	1614	8.165072	
13	1	11	56.7			8.524110	
14	3	11	91.3	1595	1802	8.984111	
15	2	11	64.0	1798		9.564743	
16	2	11	91.2	1424		10.139214	
17	2	11	87.8	1694		11.207260	
18	2	11	90.0	1805		11.679481	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	63.2	1259		0.451121	
1	1	6	65.5			1.709905	
2	3	6	69.2	1416	1523	2.160145	
3	2	6	76.4	1435		2.579133	
4	2	6	58.2	1230		3.613608	
5	2	6	95.0	1282		4.950887	
6	3	6	69.9	1421	1518	5.521988	
7	2	6	96.0	1654		6.129022	1
8	2	6	82.5	1431		7.003382	
9	1	6	98.5			7.832970	
10	2	6	89.5	1518		9.241634	
11	2	6	90.5	1689		9.785490	
12	3	6	85.1	1086	1599	10.796134	
13	1	6	76.9			11.377672	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	53.2			0.119447	1
1	2	8	59.8	1436		1.528677	
2	2	8	57.3	1903		2.657162	
3	2	8	91.7	1273		3.966900	
4	2	8	55.5	1360		4.745539	
5	3	8	85.6	1771	1758	5.203143	
6	1	8	52.1			6.968129	
7	3	8	91.9	1311	1537	7.807974	
8	1	8	84.2			8.028783	
9	2	8	79.3	1333		9.303859	
10	3	8	84.0	1487	1811	10.280190	
11	3	8	52.8	1574	1674	11.492600	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	66.8	1380	1678	0.449049	1
1	2	10	86.8	1729		2.201836	
2	2	10	75.0	1206		3.547129	
3	1	10	83.0			5.255073	
4	1	10	59.8			6.160296	
5	2	10	65.2	1045		6.802685	
6	2	10	70.7	1454		8.580630	
7	3	10	80.7	1054	1716	9.393769	
8	3	10	66.6	1565	1214	11.279437	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	85.8	1099	1885	0.110630	1
1	2	8	60.6	1500		0.773569	
2	3	8	78.5	1089	1273	1.359788	
3	3	8	90.0	1737	1423	2.642357	
4	3	8	60.4	1519	1502	3.017883	
5	1	8	61.8			3.574455	
6	2	8	62.2	1835		4.145621	
7	1	8	71.2			4.738963	
8	2	8	51.5	1313		5.733359	
9	2	8	69.2	1822		6.230937	
10	1	8	93.3			7.168270	
11	3	8	54.6	1820	1079	7.389401	
12	1	8	99.7			8.024578	
13	2	8	55.7	1036		9.187283	
14	1	8	86.4			9.541327	
15	3	8	69.2	1838	1596	10.087612	
16	2	8	97.3	1650		10.744573	
17	2	8	99.6	1926		11.452303	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	89.1	1222		0.563575	1
1	1	6	85.7			1.153443	
2	1	6	84.8			3.058739	
3	3	6	95.2	1492	1726	3.348283	
4	3	6	66.8	1548	1380	4.691760	
5	2	6	66.8	1706		5.935405	
6	3	6	54.2	1603	1370	6.974644	
7	1	6	53.0			8.479745	
8	1	6	96.2			9.044269	
9	2	6	89.4	1560		10.453578	
10	3	6	93.5	1044	1939	11.810184	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	96.8	1295		0.793849	1
1	2	15	84.8	1134		1.213163	
2	2	15	88.3	1916		2.502977	
3	2	15	74.6	1619		2.843183	
4	2	15	59.8	1625		4.217434	
5	2	15	71.6	1484		5.010776	
6	1	15	64.8			5.346577	
7	1	15	51.7			6.575153	
8	2	15	66.2	1883		6.975853	
9	3	15	50.8	1959	1639	7.899614	
10	2	15	54.5	1817		9.335435	
11	3	15	95.2	1013	1140	9.568433	
12	3	15	67.2	1085	1291	10.755738	
13	2	15	82.0	1835		11.662371	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	55.1	1678		0.959247	1
1	1	16	59.2			1.730558	
2	1	16	94.9			3.387067	
3	1	16	56.8			5.983335	
4	1	16	98.7			6.087246	
5	2	16	85.6	1248		7.581900	
6	2	16	59.9	1108		9.682414	
7	2	16	62.7	1867		11.409349	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	76.8	1327		0.057515	1
1	3	6	88.0	1048	1360	1.337159	
2	2	6	57.8	1334		2.074247	
3	3	6	81.9	1347	1265	3.099685	
4	2	6	97.2	1322		3.985257	
5	1	6	83.4			5.068289	
6	2	6	99.0	1835		5.847908	
7	3	6	85.6	1216	1728	6.222281	
8	1	6	96.6			7.443057	
9	2	6	69.4	1749		8.537838	
10	1	6	90.0			9.010029	
11	2	6	97.4	1775		9.956736	
12	3	6	70.5	1133	1660	10.289210	
13	2	6	74.1	1679		11.886628	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	94.0	1344	1557	0.817321	1
1	2	10	83.5	1752		1.959584	
2	2	10	54.1	1252		3.438580	
3	3	10	91.0	1123	1444	4.037194	
4	1	10	99.5			5.720049	
5	3	10	98.2	1612	1223	6.415075	
6	2	10	82.0	1813		7.553568	
7	2	10	64.7	1564		8.452333	
8	1	10	77.8			10.226903	
9	1	10	64.8			11.237698	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	83.6			0.161856	
1	2	16	91.6	1004		1.248756	
2	1	16	52.2			1.785303	
3	2	16	66.1	1462		2.526602	
4	3	16	58.5	1634	1087	2.916047	
5	1	16	77.2			3.902995	
6	2	16	85.4	1009		4.556127	
7	2	16	99.5	1330		5.175211	
8	3	16	51.6	1917	1981	5.869275	1
9	3	16	70.0	1696	1131	6.697081	
10	2	16	72.7	1129		7.753685	
11	2	16	99.3	1152		8.259353	
12	2	16	65.7	1795		8.830106	
13	3	16	84.0	1234	1124	9.805612	
14	2	16	63.9	1207		10.522434	
15	1	16	69.4			10.830008	
16	3	16	71.4	1509	1697	11.398311	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	77.8	1702		0.450859	
1	3	9	59.3	1952	1556	1.254465	
2	2	9	62.6	1725		1.712396	
3	2	9	98.9	1550		2.677615	
4	2	9	96.1	1369		3.394640	
5	2	9	57.4	1892		4.426195	
6	1	9	91.0			5.173717	
7	1	9	68.2			5.597092	
8	1	9	71.6			6.544428	1
9	2	9	72.8	1616		6.902237	
10	2	9	75.6	1124		7.699601	
11	1	9	94.7			8.816977	
12	3	9	77.8	1216	1934	9.374405	
13	1	9	85.9			10.144205	
14	3	9	76.3	1737	1457	10.944733	
15	2	9	96.3	1296		11.315144	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	75.4	1917		0.538419	1
1	2	14	98.5	1254		2.096430	
2	3	14	99.6	1924	1132	2.911085	
3	1	14	59.6			4.576711	
4	3	14	91.3	1892	1898	5.762649	
5	3	14	85.6	1292	1320	6.202473	
6	2	14	72.5	1346		7.461451	
7	3	14	79.3	1069	1089	9.208521	
8	2	14	98.9	1304		10.161682	
9	2	14	92.8	1248		11.757577	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	90.2	1256		0.351167	1
1	2	13	61.7	1332		1.758898	
2	1	13	81.6			3.519798	
3	1	13	58.7			4.376453	
4	2	13	56.9	1608		5.648150	
5	1	13	62.0			7.164881	
6	3	13	55.4	1095	1469	7.670431	
7	1	13	90.8			8.898369	
8	2	13	67.8	1561		10.401186	
9	1	13	64.4			10.887976	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	72.1	1128		0.565251	1
1	2	16	54.7	1186		1.174117	
2	1	16	58.9			1.923414	
3	2	16	59.9	1955		2.801179	
4	3	16	64.9	1336	1984	3.833039	
5	3	16	54.8	1717	1843	4.761606	
6	3	16	70.0	1852	1339	5.644653	
7	2	16	75.3	1186		6.350557	
8	1	16	88.1			6.862864	
9	2	16	63.7	1817		8.314640	
10	2	16	86.8	1425		8.592102	
11	2	16	61.9	1239		9.918880	
12	2	16	53.0	1927		10.521872	
13	1	16	72.7			11.617582	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	99.6	1542		0.486412	1
1	2	7	60.9	1276		1.723358	
2	3	7	68.5	1126	1410	2.304726	
3	2	7	87.6	1960		3.000017	
4	2	7	51.0	1262		3.765475	
5	1	7	68.6			5.195839	
6	2	7	66.7	1037		6.151905	
7	3	7	58.0	1060	1454	7.328204	
8	2	7	92.4	1610		7.579244	
9	2	7	65.6	1467		9.213226	
10	2	7	90.9	1415		10.077495	
11	1	7	99.4			10.346513	
12	3	7	57.7	1041	1564	11.158599	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	79.3	1286		0.558089	1
1	3	15	72.4	1758	1446	1.741441	
2	2	15	58.8	1019		3.927706	
3	1	15	64.6			5.055068	
4	2	15	93.9	1133		6.698250	
5	3	15	63.7	1788	1073	8.735611	
6	1	15	72.2			9.667418	
7	1	15	99.1			11.486046	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	65.1	1549		0.020667	1
1	2	6	59.3	1400		0.901917	
2	2	6	98.9	1935		2.052802	
3	2	6	98.8	1252		3.013189	
4	2	6	56.8	1452		3.834202	
5	3	6	60.3	1027	1784	4.480000	
6	1	6	77.4			4.893724	
7	1	6	82.2			5.707975	
8	2	6	71.1	1437		6.536181	
9	2	6	54.0	1179		7.977742	
10	1	6	98.5			8.207254	
11	1	6	57.7			8.842467	
12	3	6	89.7	1601	1884	10.369662	
13	3	6	76.1	1347	1077	11.052553	
14	2	6	77.2	1851		11.613031	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	90.3	1120		0.443211	1
1	1	12	67.6			1.657875	
2	1	12	94.6			2.991069	
3	1	12	66.2			3.794899	
4	1	12	87.9			4.677467	
5	1	12	56.1			6.228135	
6	2	12	95.3	1792		7.472011	
7	3	12	94.7	1419	1902	8.576352	
8	2	12	78.0	1301		8.960335	
9	1	12	94.0			10.763489	
10	2	12	58.4	1375		11.623334	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	76.2	1385		0.486138	1
1	2	7	53.5	1974		1.545584	
2	2	7	67.7	1748		3.250108	
3	1	7	51.2			4.998202	
4	2	7	93.7	1011		5.498039	
5	1	7	50.6			7.485714	
6	3	7	74.2	1330	1647	8.833358	
7	2	7	86.9	1832		10.416565	
8	2	7	90.4	1448		11.710401	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	77.1	1636		0.005487	1
1	1	19	77.9			1.345513	
2	2	19	74.5	1969		2.462730	
3	2	19	71.1	1222		3.270951	
4	2	19	88.9	1968		4.182136	
5	2	19	87.0	1708		4.715004	
6	2	19	79.3	1148		6.305348	
7	3	19	66.3	1425	1745	6.491154	
8	1	19	75.4			7.388799	
9	1	19	56.1			8.682645	
10	2	19	76.5	1660		9.339769	
11	3	19	91.5	1996	1815	11.037972	
12	3	19	56.5	1458	1615	11.604666	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	70.4	1221		0.628174	1
1	2	11	96.4	2000		1.725764	
2	3	11	86.1	1271	1326	2.256277	
3	2	11	88.8	1172		3.559142	
4	2	11	68.6	1975		4.051532	
5	2	11	80.4	1814		5.211215	
6	3	11	91.2	1076	1299	6.828879	
7	2	11	72.6	1822		7.046030	
8	3	11	66.0	1394	1614	8.586293	
9	3	11	83.7	1547	1427	9.110451	
10	3	11	58.1	1615	1229	10.192695	
11	2	11	89.8	1295		11.037149	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	99.8	1285		0.974407	1
1	3	17	56.2	1737	1980	1.970329	
2	1	17	91.0			2.526727	
3	1	17	83.4			4.316219	
4	1	17	74.4			4.421835	
5	3	17	51.3	1631	1288	6.337464	
6	2	17	77.7	1045		7.051111	
7	3	17	79.4	1250	1830	8.088971	
8	3	17	67.5	1254	1497	9.596923	
9	2	17	97.4	1306		10.659451	
10	1	17	60.3			11.134349	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	84.2	1933		0.620624	1
1	3	9	72.2	1520	1400	1.471431	
2	1	9	95.6			2.378980	
3	3	9	75.6	1426	1974	3.410610	
4	2	9	89.1	1544		3.942775	
5	2	9	95.9	1032		4.407050	
6	2	9	68.9	1823		5.224541	
7	3	9	85.2	1183	1262	6.400100	
8	2	9	100.0	1968		7.619636	
9	1	9	78.7			7.737226	
10	1	9	93.3			8.977406	
11	3	9	79.0	1083	1894	9.889052	
12	1	9	98.7			11.100903	
13	2	9	57.3	1725		11.671687	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	59.6	1934		0.578545	
1	3	13	90.9	1548	1364	1.293416	
2	2	13	61.1	1784		2.018442	
3	1	13	97.9			2.210126	
4	2	13	81.5	1891		3.321928	
5	2	13	82.3	1376		3.915666	
6	2	13	78.2	1197		4.599316	
7	3	13	91.0	1923	1838	5.364973	
8	1	13	68.5			6.234469	1
9	2	13	53.9	1274		6.451558	
10	2	13	61.4	1268		7.392757	
11	1	13	95.2			8.109580	
12	1	13	90.1			8.882226	
13	3	13	50.9	1703	1885	9.347437	
14	1	13	54.2			9.969622	
15	1	13	57.7			10.621006	
16	2	13	63.1	1461		11.723316	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	79.4	1346		0.015115	
1	3	14	94.2	1438	1768	0.947528	
2	3	14	75.1	1356	1896	2.567030	
3	2	14	51.9	1867		3.473096	
4	3	14	72.4	1941	1576	3.968574	
5	1	14	50.9			5.417682	
6	2	14	51.3	1416		5.625987	1
7	2	14	66.8	1012		7.209014	
8	2	14	97.9	1591		7.879222	
9	2	14	99.4	1017		8.755541	
10	1	14	98.7			9.242102	
11	1	14	95.0			10.831768	
12	1	14	51.5			11.878770	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530.0	9	1.0	333	1	5434.0, 5421.0, 5675.0, 5586.0, 5638.0, 5390.0, 5400.0, 5435.0, 5580.0, 5693.0, 5544.0, 5511.0, 5309.0, 5468.0, 5567.0, 5597.0, 5380.0, 5437.0, 5583.0, 5284.0, 5697.0, 5252.0, 5475.0, 5505.0, 5521.0, 5463.0, 5564.0, 5376.0, 5555.0, 5652.0, 5520.0, 5442.0, 5268.0, 5422.0, 5615.0, 5624.0, 5282.0, 5573.0, 5358.0, 5698.0, 5598.0, 5342.0, 5263.0, 5601.0, 5262.0, 5398.0, 5365.0, 5633.0, 5277.0, 5529.0, 5606.0, 5440.0, 5543.0, 5484.0, 5689.0, 5413.0, 5361.0, 5321.0, 5650.0, 5662.0, 5251.0, 5668.0, 5336.0, 5367.0, 5364.0, 5416.0, 5259.0, 5446.0, 5557.0, 5283.0, 5328.0, 5341.0, 5593.0, 5661.0, 5278.0, 5338.0, 5647.0, 5682.0, 5323.0, 5539.0, 5713.0, 5618.0, 5462.0, 5631.0, 5269.0, 5579.0, 5594.0, 5346.0, 5596.0, 5373.0, 5510.0, 5712.0, 5545.0, 5644.0, 5489.0, 5574.0, 5310.0, 5258.0, 5570.0, 5281.0 (number of hits: 14)
2	5530.0	9	1.0	333	1	5520.0, 5472.0, 5273.0, 5616.0, 5437.0, 5667.0, 5517.0, 5631.0, 5534.0, 5544.0, 5647.0, 5579.0, 5449.0, 5387.0, 5271.0, 5461.0, 5504.0, 5389.0, 5617.0, 5275.0, 5590.0, 5269.0, 5338.0, 5596.0, 5392.0, 5660.0, 5296.0, 5405.0, 5503.0, 5412.0, 5672.0, 5302.0, 5407.0, 5686.0, 5604.0, 5278.0, 5521.0, 5607.0, 5643.0, 5471.0, 5428.0, 5701.0, 5276.0, 5401.0, 5654.0, 5367.0, 5317.0, 5274.0, 5615.0, 5589.0, 5594.0, 5311.0, 5314.0, 5322.0, 5633.0, 5369.0, 5681.0, 5623.0, 5254.0, 5707.0, 5585.0, 5466.0, 5435.0, 5391.0, 5455.0, 5636.0, 5492.0, 5474.0, 5547.0, 5336.0, 5319.0, 5541.0, 5267.0, 5349.0, 5702.0, 5265.0, 5404.0, 5704.0, 5454.0, 5553.0, 5479.0, 5291.0, 5451.0, 5581.0, 5624.0, 5362.0, 5330.0, 5417.0, 5551.0, 5353.0, 5559.0, 5679.0, 5409.0, 5600.0, 5456.0, 5469.0, 5252.0, 5427.0, 5550.0, 5475.0 (number of hits: 14)
3	5530.0	9	1.0	333	1	5435.0, 5533.0, 5503.0, 5591.0, 5307.0, 5593.0, 5400.0, 5464.0, 5318.0, 5671.0, 5416.0, 5548.0, 5269.0, 5571.0, 5504.0, 5675.0, 5665.0, 5414.0, 5508.0, 5376.0, 5347.0, 5520.0, 5260.0, 5636.0, 5350.0, 5398.0, 5629.0, 5257.0, 5649.0, 5427.0, 5545.0, 5555.0, 5382.0, 5705.0, 5477.0, 5449.0, 5659.0, 5590.0, 5286.0, 5315.0, 5553.0, 5609.0, 5333.0, 5462.0, 5363.0, 5627.0, 5310.0, 5353.0, 5702.0, 5513.0, 5482.0, 5276.0, 5615.0, 5457.0, 5279.0, 5691.0, 5644.0, 5417.0, 5319.0, 5338.0, 5469.0, 5443.0, 5613.0, 5267.0, 5660.0, 5697.0, 5476.0, 5288.0, 5528.0, 5332.0, 5647.0, 5339.0, 5662.0, 5326.0, 5577.0, 5491.0, 5561.0, 5617.0, 5466.0, 5475.0, 5699.0, 5676.0, 5397.0, 5306.0, 5599.0, 5568.0, 5287.0, 5471.0, 5342.0, 5461.0, 5642.0, 5281.0, 5687.0, 5656.0, 5633.0, 5460.0, 5367.0, 5674.0, 5404.0, 5550.0 (number of hits: 13)
4	5530.0	9	1.0	333	1	5393.0, 5295.0, 5653.0, 5713.0, 5640.0, 5420.0, 5444.0, 5313.0, 5638.0, 5461.0, 5483.0, 5305.0, 5560.0, 5546.0, 5692.0, 5481.0, 5505.0, 5575.0, 5487.0, 5661.0, 5577.0, 5529.0, 5522.0, 5445.0, 5270.0, 5555.0, 5655.0, 5252.0, 5671.0, 5639.0, 5509.0, 5255.0, 5524.0, 5438.0, 5689.0, 5666.0, 5332.0, 5436.0, 5331.0, 5568.0, 5346.0, 5442.0, 5443.0, 5677.0, 5311.0, 5284.0, 5355.0, 5256.0, 5452.0, 5421.0, 5637.0, 5466.0, 5591.0, 5705.0, 5578.0, 5431.0, 5319.0, 5384.0, 5501.0, 5491.0, 5357.0, 5459.0, 5309.0, 5386.0, 5453.0, 5456.0, 5625.0, 5253.0, 5664.0, 5267.0,

						5413.0, 5457.0, 5326.0, 5469.0, 5550.0, 5514.0, 5320.0, 5416.0, 5400.0, 5406.0, 5372.0, 5463.0, 5532.0, 5627.0, 5370.0, 5632.0, 5286.0, 5562.0, 5688.0, 5470.0, 5415.0, 5554.0, 5403.0, 5291.0, 5458.0, 5500.0, 5631.0, 5606.0, 5617.0, 5272.0 (number of hits: 15)
5	5530.0	9	1.0	333	1	5530.0, 5668.0, 5382.0, 5362.0, 5388.0, 5590.0, 5346.0, 5283.0, 5554.0, 5681.0, 5416.0, 5480.0, 5365.0, 5428.0, 5676.0, 5462.0, 5708.0, 5269.0, 5628.0, 5721.0, 5718.0, 5640.0, 5324.0, 5392.0, 5457.0, 5504.0, 5434.0, 5417.0, 5717.0, 5286.0, 5437.0, 5587.0, 5262.0, 5366.0, 5313.0, 5617.0, 5549.0, 5629.0, 5598.0, 5411.0, 5443.0, 5643.0, 5284.0, 5308.0, 5420.0, 5618.0, 5370.0, 5579.0, 5647.0, 5374.0, 5384.0, 5479.0, 5456.0, 5440.0, 5252.0, 5630.0, 5674.0, 5711.0, 5333.0, 5602.0, 5422.0, 5444.0, 5636.0, 5517.0, 5471.0, 5568.0, 5611.0, 5282.0, 5438.0, 5541.0, 5589.0, 5414.0, 5369.0, 5459.0, 5547.0, 5295.0, 5648.0, 5521.0, 5296.0, 5491.0, 5367.0, 5294.0, 5468.0, 5265.0, 5625.0, 5409.0, 5693.0, 5689.0, 5448.0, 5373.0, 5596.0, 5485.0, 5659.0, 5704.0, 5326.0, 5605.0, 5274.0, 5402.0, 5433.0, 5251.0 (number of hits: 8)
6	5530.0	9	1.0	333	1	5261.0, 5417.0, 5583.0, 5305.0, 5443.0, 5515.0, 5463.0, 5669.0, 5278.0, 5587.0, 5436.0, 5542.0, 5263.0, 5268.0, 5304.0, 5452.0, 5642.0, 5264.0, 5660.0, 5294.0, 5639.0, 5311.0, 5262.0, 5388.0, 5496.0, 5341.0, 5707.0, 5719.0, 5457.0, 5398.0, 5345.0, 5557.0, 5301.0, 5562.0, 5663.0, 5306.0, 5442.0, 5359.0, 5351.0, 5431.0, 5383.0, 5360.0, 5540.0, 5693.0, 5413.0, 5343.0, 5696.0, 5493.0, 5620.0, 5433.0, 5591.0, 5292.0, 5279.0, 5423.0, 5372.0, 5448.0, 5355.0, 5635.0, 5346.0, 5385.0, 5695.0, 5416.0, 5673.0, 5637.0, 5356.0, 5296.0, 5615.0, 5256.0, 5672.0, 5340.0, 5586.0, 5689.0, 5314.0, 5469.0, 5624.0, 5266.0, 5699.0, 5486.0, 5589.0, 5420.0, 5634.0, 5513.0, 5395.0, 5551.0, 5514.0, 5714.0, 5571.0, 5640.0, 5659.0, 5521.0, 5435.0, 5459.0, 5374.0, 5614.0, 5362.0, 5419.0, 5325.0, 5317.0, 5377.0, 5626.0 (number of hits: 11)
7	5530.0	9	1.0	333	1	5631.0, 5498.0, 5460.0, 5428.0, 5716.0, 5259.0, 5328.0, 5699.0, 5331.0, 5455.0, 5686.0, 5262.0, 5408.0, 5448.0, 5322.0, 5292.0, 5650.0, 5403.0, 5480.0, 5307.0, 5323.0, 5601.0, 5432.0, 5486.0, 5581.0, 5536.0, 5665.0, 5338.0, 5560.0, 5396.0, 5393.0, 5429.0, 5311.0, 5294.0, 5372.0, 5418.0, 5404.0, 5637.0, 5684.0, 5301.0, 5527.0, 5354.0, 5661.0, 5387.0, 5671.0, 5336.0, 5603.0, 5445.0, 5438.0, 5662.0, 5287.0, 5252.0, 5376.0, 5512.0, 5321.0, 5329.0, 5568.0, 5519.0, 5562.0, 5549.0, 5696.0, 5641.0, 5266.0, 5688.0, 5550.0, 5341.0, 5666.0, 5364.0, 5558.0, 5251.0, 5636.0, 5459.0, 5703.0, 5435.0, 5722.0, 5628.0, 5655.0, 5605.0, 5359.0, 5503.0, 5457.0, 5379.0, 5714.0, 5464.0, 5590.0, 5721.0, 5449.0, 5513.0, 5357.0, 5657.0, 5717.0, 5299.0, 5528.0, 5724.0, 5420.0, 5406.0, 5625.0, 5508.0, 5360.0, 5509.0 (number of hits: 15)
8	5530.0	9	1.0	333	1	5482.0, 5353.0, 5288.0, 5648.0, 5271.0, 5529.0, 5591.0, 5253.0, 5618.0, 5287.0, 5425.0, 5722.0, 5503.0, 5324.0, 5484.0, 5495.0, 5434.0, 5336.0, 5360.0, 5440.0, 5423.0, 5714.0, 5262.0, 5508.0, 5476.0, 5361.0, 5458.0, 5333.0, 5396.0, 5627.0, 5660.0, 5478.0, 5707.0, 5535.0, 5341.0, 5539.0, 5523.0, 5598.0, 5667.0, 5531.0, 5306.0, 5459.0, 5623.0, 5435.0, 5723.0, 5414.0, 5603.0, 5319.0, 5461.0, 5711.0, 5369.0, 5702.0, 5315.0, 5373.0, 5488.0, 5378.0, 5395.0, 5696.0, 5300.0, 5663.0, 5320.0, 5574.0, 5470.0, 5393.0, 5673.0, 5343.0, 5694.0, 5348.0, 5351.0, 5528.0, 5608.0, 5428.0, 5473.0, 5509.0, 5405.0, 5676.0, 5628.0,

						5581.0, 5362.0, 5479.0, 5483.0, 5472.0, 5432.0, 5514.0, 5280.0, 5310.0, 5267.0, 5502.0, 5460.0, 5301.0, 5606.0, 5367.0, 5394.0, 5375.0, 5273.0, 5252.0, 5312.0, 5594.0, 5504.0, 5580.0 (number of hits: 13)
9	5530.0	9	1.0	333	1	5637.0, 5604.0, 5476.0, 5253.0, 5426.0, 5413.0, 5691.0, 5351.0, 5337.0, 5662.0, 5263.0, 5259.0, 5580.0, 5681.0, 5480.0, 5613.0, 5359.0, 5479.0, 5702.0, 5389.0, 5370.0, 5490.0, 5558.0, 5485.0, 5683.0, 5670.0, 5267.0, 5695.0, 5591.0, 5481.0, 5601.0, 5676.0, 5707.0, 5709.0, 5366.0, 5647.0, 5373.0, 5708.0, 5559.0, 5421.0, 5656.0, 5427.0, 5588.0, 5462.0, 5496.0, 5264.0, 5654.0, 5294.0, 5639.0, 5443.0, 5716.0, 5619.0, 5299.0, 5551.0, 5607.0, 5356.0, 5547.0, 5397.0, 5360.0, 5539.0, 5282.0, 5540.0, 5438.0, 5292.0, 5305.0, 5353.0, 5554.0, 5468.0, 5251.0, 5495.0, 5380.0, 5657.0, 5296.0, 5575.0, 5503.0, 5534.0, 5407.0, 5562.0, 5599.0, 5377.0, 5420.0, 5533.0, 5577.0, 5465.0, 5279.0, 5511.0, 5450.0, 5651.0, 5565.0, 5474.0, 5655.0, 5717.0, 5641.0, 5631.0, 5411.0, 5472.0, 5690.0, 5431.0, 5663.0, 5284.0 (number of hits: 15)
10	5530.0	9	1.0	333	1	5409.0, 5528.0, 5512.0, 5487.0, 5285.0, 5565.0, 5663.0, 5711.0, 5399.0, 5486.0, 5638.0, 5275.0, 5331.0, 5382.0, 5526.0, 5527.0, 5351.0, 5263.0, 5259.0, 5625.0, 5359.0, 5677.0, 5668.0, 5511.0, 5282.0, 5467.0, 5446.0, 5694.0, 5503.0, 5428.0, 5292.0, 5277.0, 5312.0, 5346.0, 5629.0, 5297.0, 5570.0, 5447.0, 5709.0, 5343.0, 5488.0, 5569.0, 5560.0, 5422.0, 5688.0, 5656.0, 5641.0, 5354.0, 5609.0, 5630.0, 5655.0, 5280.0, 5582.0, 5712.0, 5645.0, 5420.0, 5338.0, 5580.0, 5266.0, 5424.0, 5611.0, 5379.0, 5398.0, 5456.0, 5451.0, 5513.0, 5444.0, 5323.0, 5586.0, 5516.0, 5272.0, 5649.0, 5250.0, 5661.0, 5383.0, 5307.0, 5680.0, 5417.0, 5506.0, 5393.0, 5685.0, 5385.0, 5499.0, 5606.0, 5682.0, 5296.0, 5384.0, 5337.0, 5579.0, 5675.0, 5624.0, 5474.0, 5482.0, 5588.0, 5320.0, 5431.0, 5426.0, 5559.0, 5610.0, 5358.0 (number of hits: 13)
11	5530.0	9	1.0	333	1	5471.0, 5448.0, 5673.0, 5472.0, 5527.0, 5290.0, 5331.0, 5674.0, 5280.0, 5467.0, 5262.0, 5421.0, 5614.0, 5667.0, 5269.0, 5391.0, 5631.0, 5442.0, 5314.0, 5516.0, 5561.0, 5320.0, 5620.0, 5308.0, 5329.0, 5638.0, 5315.0, 5299.0, 5672.0, 5385.0, 5493.0, 5520.0, 5416.0, 5571.0, 5256.0, 5278.0, 5317.0, 5365.0, 5642.0, 5705.0, 5523.0, 5369.0, 5694.0, 5305.0, 5529.0, 5586.0, 5375.0, 5544.0, 5686.0, 5557.0, 5489.0, 5683.0, 5301.0, 5463.0, 5316.0, 5437.0, 5396.0, 5413.0, 5607.0, 5513.0, 5717.0, 5361.0, 5470.0, 5627.0, 5622.0, 5514.0, 5333.0, 5538.0, 5360.0, 5260.0, 5697.0, 5609.0, 5285.0, 5395.0, 5588.0, 5499.0, 5537.0, 5552.0, 5665.0, 5399.0, 5356.0, 5641.0, 5601.0, 5368.0, 5628.0, 5646.0, 5629.0, 5630.0, 5621.0, 5640.0, 5425.0, 5306.0, 5376.0, 5689.0, 5600.0, 5465.0, 5553.0, 5559.0, 5433.0, 5438.0 (number of hits: 17)
12	5530.0	9	1.0	333	1	5282.0, 5490.0, 5708.0, 5654.0, 5391.0, 5509.0, 5722.0, 5670.0, 5272.0, 5371.0, 5714.0, 5443.0, 5514.0, 5455.0, 5414.0, 5520.0, 5534.0, 5526.0, 5651.0, 5595.0, 5547.0, 5684.0, 5356.0, 5349.0, 5380.0, 5580.0, 5594.0, 5331.0, 5370.0, 5364.0, 5577.0, 5635.0, 5398.0, 5598.0, 5662.0, 5478.0, 5581.0, 5352.0, 5612.0, 5511.0, 5566.0, 5664.0, 5528.0, 5463.0, 5348.0, 5323.0, 5346.0, 5262.0, 5539.0, 5456.0, 5453.0, 5320.0, 5378.0, 5647.0, 5260.0, 5449.0, 5632.0, 5333.0, 5663.0, 5394.0, 5504.0, 5599.0, 5619.0, 5432.0, 5466.0, 5306.0, 5459.0, 5399.0, 5405.0, 5322.0, 5339.0, 5436.0, 5457.0, 5671.0, 5506.0, 5303.0, 5416.0, 5665.0, 5427.0, 5557.0, 5631.0, 5676.0, 5564.0, 5570.0,

						5321.0, 5438.0, 5324.0, 5343.0, 5634.0, 5369.0, 5426.0, 5484.0, 5626.0, 5381.0, 5304.0, 5655.0, 5606.0, 5446.0, 5710.0, 5620.0 (number of hits: 14)
13	5530.0	9	1.0	333	1	5274.0, 5645.0, 5661.0, 5682.0, 5499.0, 5389.0, 5575.0, 5345.0, 5724.0, 5419.0, 5464.0, 5397.0, 5491.0, 5393.0, 5650.0, 5506.0, 5500.0, 5505.0, 5628.0, 5459.0, 5696.0, 5438.0, 5479.0, 5616.0, 5565.0, 5323.0, 5253.0, 5525.0, 5601.0, 5350.0, 5723.0, 5351.0, 5618.0, 5427.0, 5507.0, 5462.0, 5372.0, 5346.0, 5651.0, 5377.0, 5321.0, 5474.0, 5309.0, 5312.0, 5609.0, 5268.0, 5293.0, 5622.0, 5444.0, 5646.0, 5430.0, 5510.0, 5392.0, 5631.0, 5475.0, 5495.0, 5687.0, 5478.0, 5455.0, 5582.0, 5635.0, 5603.0, 5366.0, 5617.0, 5286.0, 5435.0, 5403.0, 5344.0, 5303.0, 5326.0, 5349.0, 5417.0, 5333.0, 5576.0, 5493.0, 5391.0, 5584.0, 5426.0, 5316.0, 5715.0, 5654.0, 5317.0, 5552.0, 5446.0, 5538.0, 5496.0, 5652.0, 5614.0, 5270.0, 5470.0, 5276.0, 5390.0, 5329.0, 5488.0, 5450.0, 5679.0, 5306.0, 5441.0, 5503.0, 5251.0 (number of hits: 14)
14	5530.0	9	1.0	333	1	5440.0, 5703.0, 5347.0, 5563.0, 5273.0, 5511.0, 5312.0, 5462.0, 5507.0, 5519.0, 5448.0, 5701.0, 5538.0, 5714.0, 5547.0, 5362.0, 5667.0, 5688.0, 5537.0, 5626.0, 5250.0, 5439.0, 5387.0, 5290.0, 5447.0, 5704.0, 5513.0, 5631.0, 5587.0, 5627.0, 5377.0, 5643.0, 5696.0, 5664.0, 5530.0, 5597.0, 5456.0, 5459.0, 5261.0, 5540.0, 5321.0, 5495.0, 5288.0, 5618.0, 5368.0, 5474.0, 5594.0, 5412.0, 5376.0, 5550.0, 5305.0, 5709.0, 5591.0, 5346.0, 5392.0, 5265.0, 5323.0, 5499.0, 5561.0, 5374.0, 5425.0, 5663.0, 5721.0, 5423.0, 5283.0, 5612.0, 5559.0, 5333.0, 5582.0, 5358.0, 5316.0, 5678.0, 5292.0, 5280.0, 5411.0, 5379.0, 5393.0, 5486.0, 5415.0, 5438.0, 5330.0, 5611.0, 5480.0, 5434.0, 5262.0, 5630.0, 5426.0, 5623.0, 5649.0, 5659.0, 5402.0, 5654.0, 5264.0, 5670.0, 5684.0, 5428.0, 5512.0, 5662.0, 5551.0, 5658.0 (number of hits: 17)
15	5530.0	9	1.0	333	1	5299.0, 5717.0, 5288.0, 5324.0, 5458.0, 5593.0, 5428.0, 5477.0, 5444.0, 5469.0, 5297.0, 5441.0, 5609.0, 5360.0, 5529.0, 5373.0, 5488.0, 5460.0, 5541.0, 5700.0, 5630.0, 5571.0, 5564.0, 5666.0, 5681.0, 5476.0, 5467.0, 5509.0, 5296.0, 5323.0, 5588.0, 5255.0, 5383.0, 5690.0, 5368.0, 5631.0, 5612.0, 5250.0, 5498.0, 5343.0, 5627.0, 5265.0, 5405.0, 5639.0, 5425.0, 5688.0, 5355.0, 5339.0, 5542.0, 5473.0, 5316.0, 5518.0, 5273.0, 5310.0, 5673.0, 5651.0, 5251.0, 5256.0, 5664.0, 5388.0, 5633.0, 5411.0, 5642.0, 5606.0, 5532.0, 5327.0, 5686.0, 5589.0, 5424.0, 5386.0, 5525.0, 5691.0, 5319.0, 5356.0, 5395.0, 5645.0, 5305.0, 5517.0, 5611.0, 5624.0, 5587.0, 5400.0, 5714.0, 5699.0, 5302.0, 5616.0, 5554.0, 5254.0, 5390.0, 5637.0, 5672.0, 5387.0, 5286.0, 5422.0, 5683.0, 5671.0, 5317.0, 5591.0, 5585.0, 5551.0 (number of hits: 12)
16	5530.0	9	1.0	333	1	5263.0, 5533.0, 5676.0, 5310.0, 5403.0, 5286.0, 5388.0, 5468.0, 5444.0, 5498.0, 5714.0, 5443.0, 5295.0, 5352.0, 5344.0, 5546.0, 5513.0, 5713.0, 5358.0, 5492.0, 5396.0, 5602.0, 5505.0, 5269.0, 5670.0, 5506.0, 5708.0, 5353.0, 5669.0, 5518.0, 5538.0, 5525.0, 5681.0, 5461.0, 5595.0, 5320.0, 5564.0, 5722.0, 5721.0, 5253.0, 5318.0, 5256.0, 5258.0, 5601.0, 5406.0, 5616.0, 5450.0, 5638.0, 5604.0, 5428.0, 5383.0, 5257.0, 5429.0, 5630.0, 5691.0, 5537.0, 5600.0, 5509.0, 5555.0, 5700.0, 5543.0, 5574.0, 5617.0, 5441.0, 5305.0, 5368.0, 5422.0, 5438.0, 5360.0, 5250.0, 5294.0, 5306.0, 5637.0, 5626.0, 5682.0, 5652.0, 5490.0, 5625.0, 5614.0, 5394.0, 5366.0, 5293.0, 5479.0, 5463.0, 5659.0, 5379.0, 5719.0, 5413.0, 5495.0, 5503.0, 5559.0,

						5387.0, 5259.0, 5672.0, 5715.0, 5292.0, 5540.0, 5321.0, 5324.0, 5532.0 (number of hits: 20)
17	5530.0	9	1.0	333	1	5714.0, 5499.0, 5390.0, 5624.0, 5621.0, 5533.0, 5707.0, 5476.0, 5719.0, 5586.0, 5373.0, 5596.0, 5391.0, 5505.0, 5344.0, 5364.0, 5712.0, 5337.0, 5682.0, 5502.0, 5514.0, 5450.0, 5465.0, 5597.0, 5641.0, 5413.0, 5403.0, 5593.0, 5444.0, 5626.0, 5308.0, 5285.0, 5519.0, 5355.0, 5317.0, 5629.0, 5539.0, 5601.0, 5322.0, 5477.0, 5698.0, 5590.0, 5297.0, 5556.0, 5677.0, 5282.0, 5558.0, 5673.0, 5384.0, 5490.0, 5557.0, 5700.0, 5606.0, 5411.0, 5658.0, 5386.0, 5572.0, 5256.0, 5540.0, 5639.0, 5579.0, 5560.0, 5288.0, 5562.0, 5290.0, 5326.0, 5630.0, 5696.0, 5396.0, 5437.0, 5409.0, 5316.0, 5569.0, 5445.0, 5635.0, 5268.0, 5458.0, 5542.0, 5618.0, 5273.0, 5274.0, 5295.0, 5379.0, 5309.0, 5551.0, 5694.0, 5508.0, 5468.0, 5380.0, 5702.0, 5680.0, 5555.0, 5666.0, 5357.0, 5406.0, 5534.0, 5672.0, 5300.0, 5651.0, 5678.0 (number of hits: 18)
18	5530.0	9	1.0	333	1	5673.0, 5611.0, 5624.0, 5462.0, 5387.0, 5708.0, 5638.0, 5453.0, 5647.0, 5700.0, 5587.0, 5558.0, 5405.0, 5547.0, 5261.0, 5390.0, 5525.0, 5595.0, 5562.0, 5325.0, 5378.0, 5463.0, 5382.0, 5485.0, 5465.0, 5346.0, 5274.0, 5253.0, 5371.0, 5660.0, 5394.0, 5704.0, 5721.0, 5373.0, 5388.0, 5294.0, 5692.0, 5667.0, 5481.0, 5591.0, 5452.0, 5300.0, 5678.0, 5429.0, 5472.0, 5460.0, 5410.0, 5683.0, 5523.0, 5385.0, 5651.0, 5511.0, 5293.0, 5496.0, 5581.0, 5415.0, 5718.0, 5490.0, 5626.0, 5267.0, 5688.0, 5314.0, 5473.0, 5501.0, 5483.0, 5430.0, 5273.0, 5281.0, 5319.0, 5551.0, 5263.0, 5620.0, 5563.0, 5497.0, 5337.0, 5279.0, 5440.0, 5520.0, 5694.0, 5516.0, 5597.0, 5442.0, 5724.0, 5504.0, 5550.0, 5576.0, 5363.0, 5456.0, 5464.0, 5375.0, 5339.0, 5466.0, 5569.0, 5427.0, 5426.0, 5436.0, 5278.0, 5347.0, 5290.0, 5305.0 (number of hits: 15)
19	5530.0	9	1.0	333	1	5710.0, 5553.0, 5324.0, 5546.0, 5637.0, 5654.0, 5504.0, 5604.0, 5369.0, 5403.0, 5423.0, 5700.0, 5534.0, 5430.0, 5705.0, 5313.0, 5559.0, 5618.0, 5465.0, 5634.0, 5366.0, 5589.0, 5267.0, 5387.0, 5714.0, 5433.0, 5518.0, 5409.0, 5662.0, 5602.0, 5362.0, 5616.0, 5262.0, 5263.0, 5533.0, 5610.0, 5638.0, 5298.0, 5359.0, 5399.0, 5329.0, 5457.0, 5343.0, 5706.0, 5593.0, 5449.0, 5320.0, 5395.0, 5473.0, 5573.0, 5432.0, 5424.0, 5514.0, 5427.0, 5560.0, 5322.0, 5494.0, 5291.0, 5367.0, 5392.0, 5475.0, 5665.0, 5431.0, 5502.0, 5418.0, 5485.0, 5580.0, 5656.0, 5258.0, 5363.0, 5280.0, 5382.0, 5342.0, 5630.0, 5508.0, 5715.0, 5513.0, 5408.0, 5273.0, 5482.0, 5664.0, 5354.0, 5483.0, 5498.0, 5474.0, 5720.0, 5341.0, 5697.0, 5256.0, 5259.0, 5547.0, 5677.0, 5685.0, 5470.0, 5660.0, 5704.0, 5429.0, 5414.0, 5404.0, 5619.0 (number of hits: 15)
20	5530.0	9	1.0	333	1	5610.0, 5376.0, 5544.0, 5269.0, 5577.0, 5643.0, 5262.0, 5575.0, 5342.0, 5489.0, 5289.0, 5408.0, 5374.0, 5641.0, 5494.0, 5386.0, 5314.0, 5670.0, 5696.0, 5445.0, 5657.0, 5273.0, 5360.0, 5444.0, 5325.0, 5279.0, 5267.0, 5462.0, 5457.0, 5475.0, 5256.0, 5448.0, 5719.0, 5639.0, 5712.0, 5254.0, 5438.0, 5506.0, 5286.0, 5407.0, 5660.0, 5352.0, 5537.0, 5450.0, 5549.0, 5400.0, 5355.0, 5465.0, 5259.0, 5427.0, 5383.0, 5618.0, 5689.0, 5468.0, 5463.0, 5294.0, 5428.0, 5711.0, 5503.0, 5265.0, 5502.0, 5452.0, 5397.0, 5318.0, 5668.0, 5566.0, 5449.0, 5472.0, 5508.0, 5671.0, 5557.0, 5585.0, 5346.0, 5548.0, 5250.0, 5695.0, 5351.0, 5708.0, 5375.0, 5613.0, 5578.0, 5490.0, 5590.0, 5451.0, 5654.0, 5505.0, 5293.0, 5658.0, 5456.0, 5253.0, 5328.0, 5282.0, 5389.0, 5523.0, 5295.0, 5480.0, 5620.0, 5411.0,

						5422.0, 5278.0 (number of hits: 13)
21	5530.0	9	1.0	333	1	5430.0, 5615.0, 5410.0, 5294.0, 5544.0, 5646.0, 5560.0, 5611.0, 5364.0, 5686.0, 5585.0, 5365.0, 5698.0, 5297.0, 5534.0, 5476.0, 5281.0, 5644.0, 5464.0, 5539.0, 5255.0, 5556.0, 5563.0, 5352.0, 5387.0, 5456.0, 5450.0, 5607.0, 5321.0, 5677.0, 5477.0, 5566.0, 5304.0, 5448.0, 5609.0, 5532.0, 5311.0, 5610.0, 5622.0, 5719.0, 5393.0, 5346.0, 5359.0, 5488.0, 5695.0, 5671.0, 5315.0, 5257.0, 5672.0, 5368.0, 5426.0, 5557.0, 5467.0, 5625.0, 5527.0, 5284.0, 5723.0, 5357.0, 5704.0, 5699.0, 5340.0, 5409.0, 5661.0, 5634.0, 5498.0, 5479.0, 5708.0, 5363.0, 5445.0, 5270.0, 5483.0, 5632.0, 5666.0, 5486.0, 5583.0, 5638.0, 5562.0, 5709.0, 5435.0, 5411.0, 5499.0, 5685.0, 5267.0, 5559.0, 5449.0, 5337.0, 5433.0, 5692.0, 5309.0, 5613.0, 5530.0, 5283.0, 5604.0, 5439.0, 5656.0, 5377.0, 5582.0, 5514.0, 5489.0, 5721.0 (number of hits: 16)
22	5530.0	9	1.0	333	1	5686.0, 5366.0, 5701.0, 5387.0, 5639.0, 5340.0, 5652.0, 5708.0, 5719.0, 5531.0, 5391.0, 5559.0, 5286.0, 5613.0, 5589.0, 5682.0, 5407.0, 5388.0, 5304.0, 5287.0, 5495.0, 5566.0, 5718.0, 5380.0, 5449.0, 5713.0, 5610.0, 5346.0, 5421.0, 5602.0, 5289.0, 5326.0, 5260.0, 5518.0, 5607.0, 5343.0, 5418.0, 5385.0, 5623.0, 5552.0, 5534.0, 5621.0, 5625.0, 5477.0, 5512.0, 5279.0, 5561.0, 5363.0, 5612.0, 5491.0, 5575.0, 5436.0, 5285.0, 5637.0, 5465.0, 5673.0, 5448.0, 5479.0, 5277.0, 5376.0, 5267.0, 5468.0, 5603.0, 5588.0, 5275.0, 5681.0, 5667.0, 5431.0, 5430.0, 5394.0, 5364.0, 5513.0, 5671.0, 5668.0, 5445.0, 5618.0, 5582.0, 5697.0, 5392.0, 5470.0, 5523.0, 5374.0, 5496.0, 5303.0, 5499.0, 5578.0, 5312.0, 5269.0, 5591.0, 5590.0, 5520.0, 5397.0, 5345.0, 5307.0, 5306.0, 5722.0, 5511.0, 5322.0, 5413.0, 5474.0 (number of hits: 15)
23	5530.0	9	1.0	333	1	5719.0, 5345.0, 5425.0, 5605.0, 5580.0, 5510.0, 5628.0, 5411.0, 5384.0, 5500.0, 5544.0, 5526.0, 5546.0, 5706.0, 5260.0, 5477.0, 5647.0, 5297.0, 5289.0, 5451.0, 5630.0, 5349.0, 5423.0, 5282.0, 5304.0, 5532.0, 5718.0, 5371.0, 5441.0, 5666.0, 5419.0, 5589.0, 5714.0, 5444.0, 5447.0, 5368.0, 5440.0, 5278.0, 5422.0, 5420.0, 5400.0, 5342.0, 5380.0, 5340.0, 5274.0, 5633.0, 5550.0, 5486.0, 5677.0, 5704.0, 5331.0, 5610.0, 5407.0, 5691.0, 5339.0, 5429.0, 5288.0, 5333.0, 5663.0, 5335.0, 5711.0, 5309.0, 5701.0, 5492.0, 5493.0, 5684.0, 5690.0, 5655.0, 5586.0, 5352.0, 5686.0, 5642.0, 5565.0, 5303.0, 5263.0, 5267.0, 5348.0, 5646.0, 5624.0, 5620.0, 5547.0, 5343.0, 5559.0, 5513.0, 5484.0, 5597.0, 5414.0, 5381.0, 5253.0, 5401.0, 5578.0, 5653.0, 5514.0, 5324.0, 5611.0, 5281.0, 5618.0, 5459.0, 5600.0, 5264.0 (number of hits: 14)
24	5530.0	9	1.0	333	1	5555.0, 5331.0, 5311.0, 5708.0, 5324.0, 5300.0, 5679.0, 5517.0, 5489.0, 5585.0, 5551.0, 5602.0, 5277.0, 5402.0, 5670.0, 5297.0, 5586.0, 5570.0, 5651.0, 5377.0, 5445.0, 5656.0, 5639.0, 5504.0, 5259.0, 5412.0, 5474.0, 5462.0, 5373.0, 5328.0, 5662.0, 5426.0, 5589.0, 5345.0, 5440.0, 5613.0, 5378.0, 5473.0, 5256.0, 5600.0, 5476.0, 5487.0, 5598.0, 5411.0, 5564.0, 5649.0, 5563.0, 5705.0, 5629.0, 5700.0, 5309.0, 5505.0, 5546.0, 5293.0, 5390.0, 5394.0, 5265.0, 5674.0, 5707.0, 5645.0, 5584.0, 5496.0, 5675.0, 5367.0, 5666.0, 5337.0, 5573.0, 5470.0, 5543.0, 5338.0, 5590.0, 5588.0, 5594.0, 5284.0, 5579.0, 5363.0, 5532.0, 5485.0, 5712.0, 5451.0, 5420.0, 5490.0, 5493.0, 5621.0, 5610.0, 5534.0, 5403.0, 5283.0, 5665.0, 5267.0, 5388.0, 5299.0, 5396.0, 5273.0, 5533.0, 5672.0, 5539.0, 5392.0, 5423.0, 5454.0 (number of hits: 15)

25	5530.0	9	1.0	333	1	5508.0, 5618.0, 5397.0, 5310.0, 5371.0, 5557.0, 5372.0, 5565.0, 5672.0, 5614.0, 5298.0, 5605.0, 5367.0, 5305.0, 5270.0, 5428.0, 5404.0, 5638.0, 5701.0, 5594.0, 5375.0, 5514.0, 5253.0, 5504.0, 5599.0, 5707.0, 5529.0, 5285.0, 5586.0, 5453.0, 5498.0, 5556.0, 5704.0, 5458.0, 5380.0, 5655.0, 5652.0, 5456.0, 5376.0, 5336.0, 5619.0, 5523.0, 5269.0, 5450.0, 5321.0, 5438.0, 5507.0, 5595.0, 5351.0, 5491.0, 5407.0, 5373.0, 5673.0, 5703.0, 5275.0, 5426.0, 5490.0, 5592.0, 5718.0, 5330.0, 5502.0, 5612.0, 5354.0, 5333.0, 5603.0, 5449.0, 5266.0, 5471.0, 5496.0, 5492.0, 5686.0, 5617.0, 5319.0, 5539.0, 5386.0, 5362.0, 5486.0, 5580.0, 5343.0, 5697.0, 5637.0, 5534.0, 5480.0, 5671.0, 5589.0, 5558.0, 5630.0, 5509.0, 5320.0, 5559.0, 5712.0, 5722.0, 5469.0, 5273.0, 5581.0, 5679.0, 5464.0, 5699.0, 5528.0, 5264.0 (number of hits: 19)
26	5530.0	9	1.0	333	1	5535.0, 5612.0, 5550.0, 5560.0, 5372.0, 5467.0, 5416.0, 5254.0, 5438.0, 5334.0, 5409.0, 5655.0, 5658.0, 5640.0, 5605.0, 5704.0, 5381.0, 5708.0, 5387.0, 5585.0, 5415.0, 5551.0, 5710.0, 5627.0, 5250.0, 5441.0, 5718.0, 5673.0, 5373.0, 5440.0, 5344.0, 5495.0, 5380.0, 5353.0, 5559.0, 5253.0, 5564.0, 5646.0, 5512.0, 5580.0, 5428.0, 5633.0, 5481.0, 5592.0, 5427.0, 5348.0, 5587.0, 5618.0, 5458.0, 5498.0, 5284.0, 5700.0, 5483.0, 5475.0, 5701.0, 5422.0, 5252.0, 5362.0, 5507.0, 5273.0, 5689.0, 5457.0, 5721.0, 5460.0, 5614.0, 5451.0, 5723.0, 5263.0, 5314.0, 5283.0, 5672.0, 5543.0, 5323.0, 5459.0, 5600.0, 5280.0, 5598.0, 5345.0, 5526.0, 5596.0, 5464.0, 5472.0, 5554.0, 5442.0, 5573.0, 5330.0, 5358.0, 5262.0, 5606.0, 5611.0, 5661.0, 5544.0, 5426.0, 5694.0, 5637.0, 5652.0, 5305.0, 5276.0, 5523.0, 5418.0 (number of hits: 15)
27	5530.0	9	1.0	333	1	5721.0, 5297.0, 5268.0, 5371.0, 5389.0, 5510.0, 5563.0, 5577.0, 5509.0, 5508.0, 5372.0, 5263.0, 5624.0, 5604.0, 5473.0, 5714.0, 5610.0, 5602.0, 5270.0, 5278.0, 5656.0, 5615.0, 5516.0, 5677.0, 5634.0, 5266.0, 5414.0, 5340.0, 5355.0, 5491.0, 5710.0, 5697.0, 5648.0, 5292.0, 5569.0, 5693.0, 5299.0, 5369.0, 5376.0, 5337.0, 5552.0, 5289.0, 5495.0, 5572.0, 5695.0, 5671.0, 5427.0, 5701.0, 5279.0, 5501.0, 5269.0, 5554.0, 5664.0, 5581.0, 5708.0, 5418.0, 5363.0, 5637.0, 5633.0, 5663.0, 5598.0, 5377.0, 5503.0, 5536.0, 5328.0, 5546.0, 5496.0, 5262.0, 5314.0, 5298.0, 5482.0, 5719.0, 5571.0, 5323.0, 5469.0, 5257.0, 5462.0, 5570.0, 5636.0, 5651.0, 5429.0, 5286.0, 5312.0, 5380.0, 5464.0, 5667.0, 5463.0, 5631.0, 5626.0, 5430.0, 5548.0, 5562.0, 5382.0, 5487.0, 5281.0, 5551.0, 5252.0, 5322.0, 5318.0, 5276.0 (number of hits: 16)
28	5530.0	9	1.0	333	1	5684.0, 5542.0, 5399.0, 5352.0, 5579.0, 5408.0, 5707.0, 5427.0, 5397.0, 5347.0, 5629.0, 5700.0, 5426.0, 5492.0, 5402.0, 5386.0, 5335.0, 5695.0, 5255.0, 5628.0, 5499.0, 5282.0, 5326.0, 5711.0, 5401.0, 5512.0, 5686.0, 5670.0, 5595.0, 5576.0, 5532.0, 5536.0, 5548.0, 5705.0, 5645.0, 5404.0, 5423.0, 5522.0, 5636.0, 5523.0, 5295.0, 5452.0, 5519.0, 5607.0, 5649.0, 5592.0, 5272.0, 5362.0, 5316.0, 5701.0, 5692.0, 5535.0, 5538.0, 5284.0, 5638.0, 5565.0, 5331.0, 5685.0, 5389.0, 5338.0, 5633.0, 5682.0, 5702.0, 5455.0, 5444.0, 5575.0, 5355.0, 5379.0, 5643.0, 5344.0, 5596.0, 5266.0, 5720.0, 5622.0, 5698.0, 5552.0, 5663.0, 5689.0, 5482.0, 5333.0, 5617.0, 5376.0, 5460.0, 5647.0, 5370.0, 5587.0, 5624.0, 5560.0, 5446.0, 5437.0, 5697.0, 5322.0, 5572.0, 5413.0, 5453.0, 5301.0, 5449.0, 5391.0, 5669.0, 5514.0 (number of hits: 16)
29	5530.0	9	1.0	333	1	5315.0, 5720.0, 5368.0, 5690.0, 5256.0, 5389.0, 5669.0,

						5571.0, 5253.0, 5518.0, 5665.0, 5419.0, 5452.0, 5723.0, 5341.0, 5438.0, 5304.0, 5517.0, 5578.0, 5620.0, 5324.0, 5416.0, 5511.0, 5636.0, 5420.0, 5358.0, 5382.0, 5385.0, 5359.0, 5674.0, 5453.0, 5365.0, 5370.0, 5688.0, 5364.0, 5432.0, 5262.0, 5710.0, 5493.0, 5271.0, 5600.0, 5565.0, 5526.0, 5521.0, 5562.0, 5501.0, 5275.0, 5685.0, 5671.0, 5431.0, 5406.0, 5508.0, 5618.0, 5251.0, 5445.0, 5563.0, 5492.0, 5675.0, 5285.0, 5609.0, 5444.0, 5593.0, 5498.0, 5574.0, 5602.0, 5476.0, 5380.0, 5507.0, 5450.0, 5442.0, 5278.0, 5502.0, 5568.0, 5397.0, 5402.0, 5716.0, 5391.0, 5543.0, 5407.0, 5360.0, 5386.0, 5301.0, 5481.0, 5640.0, 5273.0, 5519.0, 5530.0, 5555.0, 5538.0, 5387.0, 5606.0, 5509.0, 5321.0, 5462.0, 5477.0, 5336.0, 5566.0, 5558.0, 5483.0, 5384.0 (number of hits: 23)
30	5530.0	9	1.0	333	1	5628.0, 5327.0, 5415.0, 5431.0, 5416.0, 5298.0, 5329.0, 5273.0, 5256.0, 5515.0, 5645.0, 5540.0, 5593.0, 5666.0, 5608.0, 5439.0, 5345.0, 5291.0, 5719.0, 5366.0, 5649.0, 5360.0, 5523.0, 5372.0, 5359.0, 5290.0, 5433.0, 5658.0, 5301.0, 5261.0, 5476.0, 5444.0, 5716.0, 5563.0, 5336.0, 5326.0, 5648.0, 5679.0, 5616.0, 5342.0, 5568.0, 5489.0, 5493.0, 5694.0, 5680.0, 5383.0, 5284.0, 5665.0, 5591.0, 5556.0, 5447.0, 5393.0, 5600.0, 5584.0, 5461.0, 5699.0, 5375.0, 5553.0, 5508.0, 5551.0, 5309.0, 5463.0, 5364.0, 5623.0, 5304.0, 5395.0, 5313.0, 5646.0, 5430.0, 5283.0, 5436.0, 5715.0, 5335.0, 5610.0, 5408.0, 5512.0, 5385.0, 5585.0, 5507.0, 5325.0, 5541.0, 5569.0, 5501.0, 5590.0, 5411.0, 5259.0, 5347.0, 5673.0, 5460.0, 5495.0, 5483.0, 5471.0, 5514.0, 5455.0, 5698.0, 5468.0, 5392.0, 5620.0, 5426.0, 5560.0 (number of hits: 16)

Bridge mode statistical performance check per KDB 905462 footnote 2

WGB Mode

Cobalt Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7%	80%	Pass

***Note**: WGB mode is used in Cobalt radio only

Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	57	1.0	938.0	1
2	76	1.0	698.0	1
3	86	1.0	618.0	1
4	99	1.0	538.0	1
5	61	1.0	878.0	1
6	18	1.0	3066.0	1
7	83	1.0	638.0	1
8	58	1.0	918.0	1
9	63	1.0	838.0	1
10	62	1.0	858.0	1
11	67	1.0	798.0	1
12	74	1.0	718.0	0
13	92	1.0	578.0	1
14	89	1.0	598.0	1
15	95	1.0	558.0	1
16	21	1.0	2536.0	1
17	55	1.0	966.0	1
18	64	1.0	827.0	1
19	22	1.0	2501.0	1
20	21	1.0	2595.0	1
21	48	1.0	1114.0	1
22	41	1.0	1302.0	1
23	18	1.0	3045.0	1
24	33	1.0	1624.0	1
25	19	1.0	2878.0	1
26	52	1.0	1027.0	1
27	22	1.0	2485.0	1
28	33	1.0	1600.0	1
29	46	1.0	1172.0	1
30	45	1.0	1177.0	1
Detection Percentage: 96.7 % (>60%)				

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7%	80%	Pass

Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	74	1.0	718.0	1
2	62	1.0	858.0	1
3	63	1.0	838.0	1
4	76	1.0	698.0	1
5	67	1.0	798.0	1
6	92	1.0	578.0	1
7	89	1.0	598.0	1
8	78	1.0	678.0	1
9	72	1.0	738.0	1
10	83	1.0	638.0	1
11	95	1.0	558.0	1
12	102	1.0	518.0	0
13	61	1.0	878.0	1
14	68	1.0	778.0	1
15	57	1.0	938.0	1
16	25	1.0	2196.0	1
17	37	1.0	1463.0	1
18	25	1.0	2140.0	1
19	20	1.0	2697.0	1
20	22	1.0	2401.0	1
21	23	1.0	2324.0	1
22	23	1.0	2302.0	1
23	21	1.0	2604.0	1
24	66	1.0	806.0	1
25	35	1.0	1527.0	1
26	29	1.0	1827.0	1
27	24	1.0	2251.0	1
28	56	1.0	953.0	1
29	28	1.0	1947.0	1
30	64	1.0	831.0	1
Detection Percentage: 96.7 % (>60%)				

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7%	80%	Pass

Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	58	1.0	918.0	1
2	67	1.0	798.0	1
3	74	1.0	718.0	0
4	86	1.0	618.0	1
5	92	1.0	578.0	1
6	78	1.0	678.0	1
7	70	1.0	758.0	1
8	102	1.0	518.0	1
9	68	1.0	778.0	1
10	76	1.0	698.0	1
11	57	1.0	938.0	1
12	59	1.0	898.0	1
13	18	1.0	3066.0	1
14	89	1.0	598.0	1
15	83	1.0	638.0	1
16	25	1.0	2145.0	1
17	23	1.0	2301.0	1
18	19	1.0	2870.0	1
19	23	1.0	2379.0	1
20	41	1.0	1301.0	1
21	20	1.0	2763.0	1
22	36	1.0	1485.0	1
23	55	1.0	970.0	1
24	20	1.0	2743.0	1
25	58	1.0	915.0	1
26	30	1.0	1799.0	1
27	31	1.0	1741.0	1
28	71	1.0	744.0	1
29	25	1.0	2172.0	1
30	65	1.0	813.0	1
Detection Percentage: 96.7 % (>60%)				

10
11 Annex A (INFORMATIVE) – DECLARATION OF SIMILARITY (DOS)

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134

DECLARATION OF SIMILARITY

July 2nd, 2023

To whom it may concern:

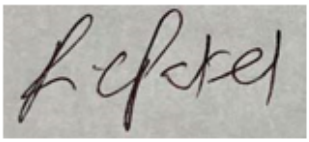
We *Cisco Systems, Inc.* hereby declare that product: *2x2 MIMO-Based Wireless Radio,* model(s): *IW9165E-ROW & IW9165E-A* is electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics as a model: *IW9165E-B* tested (DFS testing) by BACL, the results of which are featured in BACL project R2303171.

A description of the differences between the tested model and those that are declared similar are as follows:

The difference between the test model and a similar model is the regulatory domain only. IW9165E-A is the model number targeted for Canada which supports all Wifi 5GHz bands excluding 5600-5650MHz. IW9165E-ROW is the model number targeted for the rest of the world.

Please contact me should there be a need for any additional clarification or information.

Best Regards,



Ronak Patel
Technical Lead – Compliance Engineer
Ronakp2@cisco.com
+1510-509-8061

12 Annex B (Normative) - A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets A2LA *R222 - Specific Requirements EPA ENERGY STAR Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 21st day of December 2022.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3297.02
Valid to September 30, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

Please follow the web link below for a full ISO 17025 scope

https://www.a2la.org/scopepdf/3297-02.pdf

--- END OF REPORT ---