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	7.5	307	1
2	16	7.9	388	1
3	16	6.5	231	1
4	17	6.0	275	1
5	17	6.7	212	1
6	16	8.6	475	1
7	16	6.9	490	1
8	16	9.5	324	1
9	16	7.7	239	0
10	18	6.2	218	1
11	17	8.1	408	1
12	16	7.9	270	1
13	16	6.3	498	0
14	18	6.5	434	0
15	18	7.1	485	1
16	17	6.6	245	1
17	16	7.8	485	1
18	18	6.6	228	1
19	17	6.2	444	0
20	17	8.5	443	1
21	17	7.1	295	1
22	17	9.9	318	1
23	16	9.8	436	1
24	18	8.5	417	1
25	16	6.0	371	1
26	16	7.7	278	1
27	16	8.5	427	1
28	17	9.1	388	0
29	18	6.1	456	1
30	18	9.3	491	1
Detection Percentage: 83.3 % (>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	12	11.6	206	1
2	16	11.7	429	1
3	15	19.9	361	1
4	16	17.8	345	0
5	15	11.6	249	1
6	14	19.5	256	1
7	14	17.0	452	1
8	15	17.1	223	1
9	14	12.3	412	1
10	12	13.8	296	1
11	13	19.9	452	1
12	12	17.2	455	1
13	12	19.1	389	0
14	14	19.1	410	1
15	13	11.8	372	1
16	15	19.6	260	1
17	14	12.0	225	0
18	12	12.8	249	1
19	14	12.8	494	0
20	16	11.8	421	1
21	12	15.4	235	1
22	13	17.9	394	1
23	14	11.4	209	1
24	12	15.4	329	1
25	12	14.8	242	0
26	16	12.0	426	1
27	13	17.5	403	1
28	16	16.6	406	1
29	13	17.6	229	0
30	13	15.2	352	0
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	1
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5496.0	1
12	5494.0	1
13	5498.8	1
14	5497.2	1
15	5494.8	1
16	5496.8	1
17	5494.8	1
18	5496.8	1
19	5498.8	1
20	5494.4	1
21	5524.4	1
22	5524.0	1
23	5524.0	1
24	5522.0	1
25	5522.4	1
26	5522.8	1
27	5525.2	1
28	5526.0	1
29	5520.8	1
30	5520.4	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	55.1	1590		1.068405	1
1	2	7	52.0	1452		1.939899	
2	3	7	75.3	1605	1374	3.550143	
3	1	7	54.4			4.909303	
4	2	7	89.5	1175		5.797904	
5	2	7	99.2	1769		7.197779	
6	1	7	95.2			8.528767	
7	2	7	63.9	1470		10.127266	
8	2	7	59.0	1059		11.197379	

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	9	87.0	1115	1112	0.052481	1
1	2	9	86.6	1409		1.407612	
2	2	9	53.9	1944		3.390554	
3	1	9	70.9			4.715565	
4	2	9	74.1	1387		5.301545	
5	3	9	67.7	1712	1788	6.902767	
6	1	9	98.2			7.826338	
7	1	9	58.1			8.432529	
8	1	9	80.3			10.718138	
9	1	9	90.0			11.096457	

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	3	6	93.1	1408	1563	0.131793	1
1	2	6	66.1	1167		1.621037	
2	3	6	64.5	1625	1341	2.558113	
3	2	6	72.9	1798		3.401243	
4	2	6	87.9	1065		4.130362	
5	2	6	90.1	1574		4.429783	
6	2	6	58.3	1986		5.255379	
7	2	6	80.2	1109		6.032253	
8	2	6	75.0	1572		6.896282	
9	3	6	92.4	1034	1138	8.014918	
10	3	6	83.6	1681	1943	8.916314	
11	1	6	91.0			10.274629	

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	6	63.1			0.083513	1
1	2	6	94.7	1998		1.599517	
2	3	6	71.9	1171	1385	1.851030	
3	3	6	73.4	1038	1969	3.086611	
4	2	6	50.1	1764		4.164738	
5	3	6	80.3	1046	1337	5.343792	
6	1	6	50.3			5.749628	
7	2	6	62.4	1084		7.327840	
8	3	6	76.4	1254	1561	8.265794	
9	3	6	65.6	1961	1520	8.632919	
10	2	6	53.2	1528		9.295363	
11	2	6	96.0	1020		10.168049	
12	2	6	96.8	1687		11.621579	

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	12	54.1			0.124083	
1	2	12	90.9	1602		1.111748	
2	2	12	90.9	1608		1.761543	
3	1	12	79.7			2.579998	
4	3	12	59.9	1823	1481	3.031636	
5	1	12	83.1			3.851249	
6	2	12	87.4	1822		4.556721	
7	2	12	88.0	1995		4.975366	
8	2	12	87.4	1040		5.415249	
9	3	12	86.8	1966	1082	6.419874	1
10	2	12	94.8	1307		6.711033	
11	3	12	89.6	1832	1483	7.679199	
12	3	12	82.4	1092	1463	8.561334	
13	3	12	68.6	1705	1342	9.161826	
14	3	12	79.6	1696	1135	9.500060	
15	2	12	87.4	1965		10.458104	
16	1	12	97.5			11.013647	
17	3	12	52.8	1908	1064	11.413521	

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	77.1	1894		0.450082	
1	3	12	68.2	1568	1015	1.031091	
2	2	12	95.3	1553		2.112137	
3	1	12	62.3			2.848063	
4	2	12	78.5	1154		3.589957	
5	2	12	83.2	1931		4.752485	
6	2	12	85.3	1193		4.820807	
7	3	12	67.6	1965	1751	5.993860	1
8	2	12	83.8	1005		6.923830	
9	2	12	54.7	1712		7.841188	
10	1	12	56.7			8.013541	
11	2	12	96.7	1178		8.962075	
12	3	12	85.6	1195	1312	9.917640	
13	2	12	90.5	1396		10.629137	
14	1	12	60.5			11.898202	

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	11	79.1	1472		0.102597	
1	2	11	88.6	1688		0.774563	
2	1	11	73.6			1.669848	
3	2	11	87.1	1743		2.412306	
4	2	11	95.2	1841		2.914884	
5	3	11	87.0	1096	1703	3.431366	
6	2	11	84.3	1136		4.544023	
7	2	11	93.0	1706		4.843936	
8	3	11	76.2	1948	1286	5.940071	1
9	2	11	52.4	1446		6.376788	
10	1	11	51.1			6.834611	
11	2	11	88.5	1662		7.706859	
12	2	11	72.0	1845		8.062913	
13	1	11	94.8			8.962420	
14	1	11	61.3			9.929150	
15	3	11	79.4	1223	1391	10.259234	
16	3	11	50.5	1113	1486	11.254763	

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	53.7	1842	1262	0.617751	
1	1	10	75.6			1.791703	
2	1	10	99.6			2.837676	
3	3	10	68.4	1978	1244	3.680642	
4	2	10	87.2	1948		4.870896	
5	2	10	92.3	1221		6.111260	1
6	2	10	79.6	1846		7.054043	
7	2	10	86.9	1373		7.912914	
8	2	10	99.6	1259		8.730897	
9	3	10	99.9	1446	1275	10.610913	
10	2	10	53.4	1167		11.337766	

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	10	52.1			0.043414	
1	2	10	60.3	1657		0.818572	
2	2	10	79.7	1572		1.464983	
3	3	10	52.7	1992	1780	2.341994	
4	3	10	70.5	1630	1451	3.133548	
5	2	10	92.2	1126		3.496227	
6	3	10	92.2	1707	1938	3.887740	
7	3	10	79.0	1307	1858	4.609218	
8	2	10	70.8	1689		5.640689	
9	2	10	53.6	1014		5.940302	1
10	2	10	79.9	1771		6.729034	
11	2	10	85.2	1257		7.257933	
12	3	10	68.6	1181	1267	7.709257	
13	3	10	56.8	1107	1772	8.707680	
14	2	10	59.1	1268		9.214719	
15	3	10	50.1	1115	1533	9.552008	
16	3	10	76.5	1221	1005	10.107403	
17	2	10	56.5	1169		11.133711	
18	1	10	96.5			11.950013	

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	3	9	81.3	1426	1594	0.900204	
1	1	9	99.6			1.851105	
2	3	9	68.4	1907	1281	3.603495	
3	3	9	72.1	1470	1078	4.222503	
4	2	9	74.3	1113		5.387696	1
5	1	9	78.0			6.978326	
6	3	9	76.9	1086	1470	8.452529	
7	3	9	67.1	1593	1896	9.557664	
8	2	9	77.2	1898		10.880768	

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	10	80.0	1845	1619	0.629560	1
1	3	10	85.6	1333	1348	1.126125	
2	2	10	81.6	1980		2.344110	
3	2	10	83.7	1313		2.908970	
4	1	10	75.1			4.041258	
5	2	10	78.4	1653		5.118550	
6	3	10	83.8	1141	1479	5.348677	
7	1	10	55.0			6.459130	
8	2	10	95.2	1260		7.072786	
9	2	10	77.3	1407		7.809457	
10	2	10	80.0	1825		8.786294	
11	2	10	61.2	1145		9.892714	
12	2	10	61.2	1556		10.296129	
13	3	10	73.5	1583	1238	11.347658	

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	3	5	62.7	1448	1677	0.264607	1
1	1	5	57.3			0.757129	
2	2	5	59.2	1842		1.305658	
3	3	5	95.5	1083	1330	2.035600	
4	3	5	91.1	1614	1602	2.969816	
5	3	5	90.4	1137	1245	3.132707	
6	2	5	52.3	1318		3.602537	
7	1	5	92.7			4.622413	
8	2	5	74.1	1860		5.225082	
9	2	5	90.9	1548		5.414845	
10	2	5	71.4	1098		6.193504	
11	2	5	78.9	1896		6.893694	
12	3	5	79.3	1168	1741	7.399529	
13	2	5	56.8	1573		7.878509	
14	1	5	56.1			8.541526	
15	2	5	73.2	1393		9.476518	
16	2	5	78.9	1007		9.611381	
17	3	5	97.7	1859	1710	10.415964	
18	2	5	99.0	1402		11.314977	
19	2	5	95.1	1192		11.849423	

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	17	94.6	1987		0.205251	1
1	1	17	77.7			2.153004	
2	1	17	83.5			2.895020	
3	1	17	96.4			4.164775	
4	1	17	97.6			4.838173	
5	3	17	75.1	1750	1403	6.543625	
6	3	17	98.1	1303	1099	8.109195	
7	1	17	60.9			9.416743	
8	2	17	82.2	1862		10.747985	
9	3	17	51.5	1064	1912	10.903372	

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	13	87.3			0.204035	1
1	1	13	63.8			0.953567	
2	2	13	55.0	1530		1.862261	
3	1	13	85.7			2.193315	
4	3	13	80.9	1589	1890	2.923355	
5	2	13	88.0	1712		3.349656	
6	3	13	89.0	1788	1945	4.072281	
7	2	13	60.6	1132		4.587869	
8	3	13	85.6	1717	1713	5.311678	
9	2	13	74.8	1246		6.070960	
10	2	13	91.0	1125		6.913343	
11	2	13	77.0	1007		7.116621	
12	2	13	79.9	1631		7.604651	
13	1	13	64.3			8.479097	
14	2	13	65.3	1215		9.360931	
15	1	13	53.9			9.601675	
16	2	13	83.7	1457		10.360077	
17	2	13	63.4	1995		11.148703	
18	2	13	74.5	1865		11.946240	

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	7	86.2	1308	1657	0.428463	1
1	2	7	78.2	1974		1.428659	
2	2	7	62.5	1054		2.351334	
3	3	7	51.2	1369	1836	3.263065	
4	2	7	98.4	1108		4.880948	
5	2	7	50.1	1168		5.194087	
6	1	7	86.2			6.406522	
7	2	7	65.0	1258		7.737572	
8	3	7	78.9	1881	1914	8.733355	
9	1	7	88.8			9.334464	
10	3	7	65.7	1988	1798	10.031608	
11	2	7	85.1	1602		11.196222	

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	1	12	86.3			0.618270	1
1	2	12	69.7	1610		1.644289	
2	2	12	69.9	1698		2.505050	
3	1	12	94.4			2.591466	
4	1	12	92.3			3.858183	
5	2	12	56.2	1971		4.833864	
6	3	12	69.5	1476	1681	5.584284	
7	3	12	67.9	1310	1475	6.435629	
8	3	12	59.9	1771	1651	7.236597	
9	2	12	70.9	1040		8.452124	
10	1	12	91.8			8.883970	
11	2	12	56.9	1981		9.733372	
12	2	12	69.1	1591		10.997079	
13	2	12	50.1	1990		11.311999	

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	7	99.3	1760		0.295868	
1	2	7	69.4	1518		0.953333	
2	2	7	63.4	1796		1.281323	
3	2	7	91.1	1205		2.370660	
4	2	7	57.9	1863		2.967920	
5	2	7	93.6	1957		3.497070	
6	2	7	75.0	1397		3.982314	
7	2	7	88.1	1410		5.010822	
8	2	7	94.9	1645		5.238055	
9	3	7	98.6	1553	1223	5.926571	1
10	2	7	55.4	1460		6.740794	
11	2	7	72.3	1388		7.355389	
12	2	7	94.2	1689		7.622029	
13	3	7	57.0	1969	1709	8.221825	
14	2	7	93.1	1345		9.014727	
15	2	7	73.0	1336		9.883883	
16	3	7	83.7	1311	1086	10.407613	
17	1	7	55.7			10.909153	
18	2	7	85.2	1349		11.879505	

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	53.3	1786	1146	0.855022	
1	1	12	62.1			1.830516	
2	2	12	51.8	1511		2.654731	
3	2	12	91.8	1651		3.943073	
4	2	12	97.9	1697		4.837058	
5	2	12	55.4	1391		5.206389	
6	3	12	51.0	1751	1225	6.128254	1
7	2	12	82.9	1936		7.482311	
8	3	12	90.2	1303	1717	8.182953	
9	1	12	53.7			9.648560	
10	2	12	74.2	1861		10.321052	
11	1	12	67.9			11.758348	

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	17	82.6			0.600238	
1	2	17	50.5	1431		1.223300	
2	2	17	71.9	1449		1.608005	
3	2	17	87.4	1351		2.681668	
4	2	17	51.4	1778		3.207004	
5	2	17	84.0	1940		3.784042	
6	1	17	79.1			4.909144	
7	3	17	50.9	1013	1952	5.063086	
8	2	17	53.4	1551		5.681198	1
9	3	17	78.2	1647	1938	6.669619	
10	1	17	77.1			7.268370	
11	1	17	55.0			7.993768	
12	1	17	51.9			9.001115	
13	3	17	71.6	1242	1320	9.634329	
14	3	17	54.1	1488	1545	10.182061	
15	2	17	88.2	1202		11.020444	
16	1	17	85.9			11.764686	

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	6	86.4	1486		0.908796	
1	2	6	98.5	1079		2.238806	
2	1	6	87.2			3.571953	
3	3	6	58.1	1788	1749	5.186616	
4	3	6	99.4	1977	1137	6.601420	1
5	3	6	65.9	1734	1784	7.743134	
6	1	6	60.4			8.823588	
7	1	6	62.8			9.425058	
8	1	6	71.7			11.517260	

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	9	74.1	1583		0.903738	
1	2	9	67.0	1456		1.831510	
2	1	9	51.5			2.425895	
3	2	9	69.2	1589		3.520479	
4	2	9	87.8	1336		4.391065	
5	2	9	62.2	1591		6.478916	1
6	3	9	61.5	1748	1088	7.011713	
7	1	9	79.1			8.338348	
8	3	9	59.8	1183	1496	8.780838	
9	1	9	72.4			10.063414	
10	2	9	97.9	1316		11.747763	

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	10	89.5			0.565752	
1	2	10	60.6	1800		0.877700	
2	3	10	85.7	1466	1535	1.737823	
3	1	10	75.1			2.290421	
4	2	10	52.9	1754		3.089719	
5	2	10	62.2	1647		4.234480	
6	1	10	83.5			5.176195	
7	2	10	86.7	1073		5.469855	
8	2	10	92.9	1049		6.006331	1
9	2	10	75.9	1912		7.340987	
10	3	10	70.4	1185	1404	8.129595	
11	2	10	90.6	1110		8.308093	
12	2	10	82.9	1679		9.344441	
13	3	10	80.8	1048	1106	10.403765	
14	3	10	82.2	1007	1170	10.957571	
15	1	10	76.4			11.316171	

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	10	54.4	1792		0.573695	
1	1	10	55.9			1.072429	
2	2	10	98.0	1439		1.953185	
3	2	10	98.6	1509		3.393023	
4	2	10	84.0	1362		4.150941	
5	2	10	63.2	1304		5.507046	
6	3	10	98.5	1362	1104	5.802721	1
7	3	10	60.7	1536	1761	6.491524	
8	2	10	52.0	1464		7.587170	
9	2	10	63.9	1096		8.408131	
10	2	10	61.4	1257		9.887687	
11	1	10	92.2			10.408027	
12	3	10	50.3	1369	1970	11.228015	

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	15	76.5	1657		0.370109	
1	2	15	80.8	1949		1.298578	
2	2	15	66.5	1107		3.086612	
3	2	15	59.6	1960		4.086869	
4	3	15	65.1	1443	1286	5.093344	
5	1	15	68.9			6.073679	1
6	3	15	75.2	1006	1865	7.268742	
7	1	15	74.9			8.418217	
8	3	15	98.1	1935	1122	9.900164	
9	1	15	81.5			10.916845	

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	59.8	1790		0.016043	
1	3	14	84.5	1422	1163	0.848291	
2	3	14	59.0	1653	1320	1.539142	
3	2	14	91.3	1766		2.341235	
4	3	14	80.1	1490	1149	2.881547	
5	2	14	92.2	1196		3.772878	
6	2	14	67.8	1837		4.255323	
7	2	14	84.1	1743		4.637580	
8	3	14	80.0	1465	1170	5.113041	
9	2	14	93.1	1652		5.769248	1
10	1	14	69.5			6.904414	
11	3	14	74.4	1596	1121	7.203717	
12	3	14	70.6	1260	1695	7.954277	
13	2	14	70.5	1826		8.599017	
14	1	14	61.0			9.445375	
15	2	14	60.2	1828		9.725565	
16	2	14	60.5	1892		10.601546	
17	2	14	83.7	1344		11.082460	
18	2	14	81.1	1930		11.873733	

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	13	54.6	1960		0.078056	
1	2	13	83.4	1983		0.896074	
2	2	13	68.1	1244		2.301751	
3	2	13	70.1	1221		3.174473	
4	3	13	77.6	1819	1025	3.526255	
5	2	13	80.7	1803		4.682675	
6	1	13	85.5			5.152714	
7	2	13	68.5	1994		5.615614	1
8	1	13	66.2			6.973012	
9	1	13	80.3			7.251053	
10	3	13	54.5	1645	1692	8.683947	
11	3	13	86.2	1554	1003	9.108736	
12	2	13	78.5	1241		9.928690	
13	2	13	74.8	1254		10.543882	
14	3	13	74.0	1387	1857	11.494629	

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	7	96.8	1544		0.029473	
1	2	7	99.4	1663		1.093587	
2	2	7	78.8	1039		2.897801	
3	3	7	92.7	1083	1022	3.709881	
4	1	7	71.0			4.815144	
5	1	7	96.1			5.401104	
6	1	7	63.5			6.765979	1
7	3	7	75.6	1902	1529	7.401754	
8	2	7	67.6	1091		8.014188	
9	3	7	91.1	1359	1980	9.740148	
10	2	7	54.9	1747		10.835992	
11	2	7	63.4	1055		11.956384	

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	5	67.3	1465		0.585099	
1	3	5	80.2	1679	1615	0.732453	
2	3	5	83.1	1866	1505	1.823821	
3	2	5	92.2	1816		1.969236	
4	2	5	64.5	1112		2.786439	
5	3	5	56.4	1515	1430	3.373314	
6	2	5	92.3	1783		4.047869	
7	2	5	70.4	1394		4.617480	
8	3	5	73.4	1685	1052	5.246863	
9	2	5	85.1	1790		5.850845	1
10	1	5	66.8			6.354869	
11	2	5	59.1	1384		7.375750	
12	2	5	61.6	1913		7.657848	
13	2	5	52.4	1653		8.394186	
14	2	5	80.4	1260		9.282195	
15	1	5	54.4			9.848646	
16	2	5	77.1	1191		10.556298	
17	3	5	54.6	1077	1860	11.245666	
18	1	5	83.0			11.883744	

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	18	57.1	1761		1.161898	
1	2	18	92.5	1367		2.244494	
2	2	18	65.2	1421		2.886175	
3	1	18	80.4			4.377118	
4	3	18	52.9	1149	1869	6.358242	1
5	3	18	70.3	1841	1449	7.976223	
6	2	18	51.9	1166		8.675120	
7	3	18	83.4	1122	1881	10.589695	
8	2	18	75.4	1616		11.358719	

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	19	62.4			0.540115	
1	2	19	50.1	1710		0.846584	
2	2	19	82.8	1344		1.908678	
3	1	19	93.2			2.665194	
4	2	19	82.2	1897		2.906418	
5	2	19	89.6	1362		4.058373	
6	3	19	79.6	1910	1455	4.541726	
7	2	19	65.5	1111		5.257484	
8	1	19	64.4			5.855140	1
9	2	19	91.8	1641		6.991189	
10	2	19	58.0	1833		7.491522	
11	1	19	67.1			8.384290	
12	2	19	65.1	1604		9.067321	
13	2	19	92.2	1141		9.453489	
14	2	19	95.8	1190		10.219206	
15	1	19	93.1			10.653847	
16	2	19	53.5	1121		11.358272	

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	5388.0, 5567.0, 5559.0, 5367.0, 5527.0, 5683.0, 5645.0, 5535.0, 5420.0, 5648.0, 5456.0, 5473.0, 5599.0, 5600.0, 5495.0, 5379.0, 5392.0, 5436.0, 5254.0, 5278.0, 5315.0, 5615.0, 5355.0, 5430.0, 5580.0, 5500.0, 5463.0, 5638.0, 5574.0, 5400.0, 5525.0, 5706.0, 5322.0, 5485.0, 5718.0, 5669.0, 5663.0, 5276.0, 5606.0, 5426.0, 5546.0, 5635.0, 5401.0, 5618.0, 5664.0, 5330.0, 5668.0, 5512.0, 5526.0, 5396.0, 5446.0, 5642.0, 5298.0, 5643.0, 5548.0, 5483.0, 5518.0, 5532.0, 5472.0, 5282.0, 5488.0, 5609.0, 5478.0, 5589.0, 5369.0, 5692.0, 5721.0, 5596.0, 5528.0, 5358.0, 5677.0, 5723.0, 5511.0, 5640.0, 5644.0, 5299.0, 5303.0, 5676.0, 5381.0, 5457.0, 5583.0, 5351.0, 5399.0, 5325.0, 5290.0, 5651.0, 5371.0, 5513.0, 5487.0, 5497.0, 5591.0, 5320.0, 5409.0, 5696.0, 5552.0, 5679.0, 5404.0, 5592.0, 5294.0, 5556.0 (number of hits: 10)
2	5510.0	9	1.0	333	1	5325.0, 5660.0, 5347.0, 5357.0, 5356.0, 5583.0, 5631.0, 5446.0, 5522.0, 5461.0, 5538.0, 5576.0, 5373.0, 5286.0, 5613.0, 5296.0, 5432.0, 5474.0, 5397.0, 5282.0, 5651.0, 5723.0, 5528.0, 5350.0, 5510.0, 5680.0, 5504.0, 5343.0, 5260.0, 5425.0, 5488.0, 5365.0, 5359.0, 5380.0, 5455.0, 5685.0, 5269.0, 5537.0, 5672.0, 5423.0, 5611.0, 5532.0, 5443.0, 5454.0, 5679.0, 5345.0, 5457.0, 5448.0, 5619.0, 5274.0, 5445.0, 5608.0, 5604.0, 5495.0, 5677.0, 5451.0, 5319.0, 5320.0, 5639.0, 5413.0, 5568.0, 5259.0, 5626.0, 5720.0, 5518.0, 5360.0, 5403.0, 5712.0, 5640.0, 5317.0, 5415.0, 5297.0, 5635.0, 5555.0, 5258.0, 5337.0, 5587.0, 5406.0, 5459.0, 5591.0, 5300.0, 5721.0, 5574.0, 5324.0, 5393.0, 5586.0, 5256.0, 5575.0, 5549.0, 5550.0, 5542.0, 5718.0, 5458.0, 5690.0, 5703.0, 5544.0, 5335.0, 5527.0, 5632.0, 5268.0 (number of hits: 6)
3	5510.0	9	1.0	333	1	5573.0, 5707.0, 5299.0, 5523.0, 5689.0, 5637.0, 5404.0, 5477.0, 5266.0, 5531.0, 5425.0, 5561.0, 5457.0, 5615.0, 5364.0, 5578.0, 5526.0, 5501.0, 5331.0, 5370.0, 5641.0, 5556.0, 5282.0, 5361.0, 5510.0, 5401.0, 5529.0, 5688.0, 5254.0, 5311.0, 5693.0, 5587.0, 5631.0, 5295.0, 5432.0, 5415.0, 5252.0, 5475.0, 5442.0, 5436.0, 5654.0, 5540.0, 5612.0, 5256.0, 5393.0, 5405.0, 5572.0, 5660.0, 5536.0, 5461.0, 5704.0, 5422.0, 5453.0, 5503.0, 5550.0, 5316.0, 5255.0, 5354.0, 5402.0, 5671.0, 5567.0, 5390.0, 5560.0, 5652.0, 5670.0, 5645.0, 5577.0, 5698.0, 5582.0, 5539.0, 5522.0, 5449.0, 5512.0, 5294.0, 5351.0, 5644.0, 5476.0, 5687.0, 5542.0, 5479.0, 5284.0, 5346.0, 5273.0, 5496.0, 5717.0, 5458.0, 5388.0, 5681.0, 5380.0, 5525.0, 5394.0, 5596.0, 5653.0, 5395.0, 5251.0, 5352.0, 5304.0, 5600.0, 5412.0, 5473.0 (number of hits: 9)
4	5510.0	9	1.0	333	1	5707.0, 5521.0, 5664.0, 5298.0, 5523.0, 5445.0, 5673.0, 5538.0, 5350.0, 5608.0, 5256.0, 5344.0, 5639.0, 5343.0, 5507.0, 5407.0, 5676.0, 5259.0, 5314.0, 5420.0, 5597.0, 5667.0, 5399.0, 5627.0, 5358.0, 5557.0, 5558.0, 5389.0, 5360.0, 5687.0, 5441.0, 5527.0, 5633.0, 5342.0, 5341.0, 5374.0, 5318.0, 5577.0, 5312.0, 5301.0, 5568.0, 5261.0, 5454.0, 5338.0, 5560.0, 5483.0, 5452.0, 5284.0, 5658.0, 5386.0, 5556.0, 5701.0, 5517.0, 5394.0, 5436.0, 5628.0, 5722.0, 5686.0, 5534.0, 5366.0, 5267.0, 5607.0, 5299.0, 5574.0, 5308.0, 5459.0, 5721.0, 5287.0, 5474.0, 5403.0, 5425.0, 5369.0, 5570.0, 5401.0, 5665.0, 5512.0, 5508.0, 5426.0, 5457.0, 5264.0, 5278.0, 5266.0, 5391.0, 5291.0, 5392.0, 5410.0, 5395.0, 5691.0, 5663.0, 5309.0, 5406.0, 5488.0, 5421.0, 5723.0, 5642.0, 5656.0, 5561.0, 5283.0, 5605.0, 5258.0 (number of hits: 7)
5	5510.0	9	1.0	333	1	5308.0, 5667.0, 5411.0, 5369.0, 5602.0, 5286.0, 5557.0, 5558.0, 5629.0, 5450.0, 5687.0, 5441.0, 5485.0, 5257.0, 5713.0, 5478.0, 5457.0, 5636.0, 5474.0, 5449.0, 5574.0, 5265.0, 5716.0, 5518.0, 5650.0, 5312.0, 5481.0, 5489.0, 5709.0, 5380.0, 5584.0, 5436.0,

						5692.0, 5589.0, 5466.0, 5393.0, 5386.0, 5645.0, 5686.0, 5561.0, 5456.0, 5559.0, 5442.0, 5579.0, 5326.0, 5553.0, 5706.0, 5306.0, 5577.0, 5299.0, 5331.0, 5680.0, 5515.0, 5447.0, 5632.0, 5394.0, 5654.0, 5311.0, 5475.0, 5410.0, 5621.0, 5462.0, 5503.0, 5293.0, 5623.0, 5430.0, 5453.0, 5275.0, 5491.0, 5567.0, 5428.0, 5703.0, 5607.0, 5400.0, 5666.0, 5342.0, 5361.0, 5587.0, 5712.0, 5426.0, 5387.0, 5408.0, 5605.0, 5402.0, 5494.0, 5583.0, 5714.0, 5682.0, 5597.0, 5501.0, 5423.0, 5322.0, 5604.0, 5425.0, 5691.0, 5526.0, 5711.0, 5392.0, 5595.0, 5376.0 (number of hits: 6)
6	5510.0	9	1.0	333	1	5346.0, 5354.0, 5263.0, 5521.0, 5511.0, 5553.0, 5457.0, 5520.0, 5461.0, 5632.0, 5337.0, 5310.0, 5605.0, 5670.0, 5286.0, 5672.0, 5720.0, 5455.0, 5339.0, 5568.0, 5312.0, 5643.0, 5613.0, 5530.0, 5676.0, 5608.0, 5481.0, 5501.0, 5259.0, 5268.0, 5533.0, 5304.0, 5341.0, 5583.0, 5253.0, 5576.0, 5514.0, 5358.0, 5255.0, 5607.0, 5556.0, 5332.0, 5678.0, 5355.0, 5487.0, 5330.0, 5385.0, 5329.0, 5393.0, 5561.0, 5665.0, 5275.0, 5446.0, 5687.0, 5689.0, 5375.0, 5540.0, 5370.0, 5594.0, 5621.0, 5283.0, 5578.0, 5309.0, 5629.0, 5656.0, 5353.0, 5615.0, 5579.0, 5585.0, 5318.0, 5563.0, 5417.0, 5307.0, 5459.0, 5701.0, 5369.0, 5612.0, 5265.0, 5513.0, 5403.0, 5723.0, 5470.0, 5524.0, 5474.0, 5389.0, 5334.0, 5467.0, 5297.0, 5559.0, 5476.0, 5712.0, 5517.0, 5507.0, 5694.0, 5444.0, 5438.0, 5460.0, 5260.0, 5415.0, 5488.0 (number of hits: 9)
7	5510.0	9	1.0	333	1	5404.0, 5459.0, 5410.0, 5478.0, 5437.0, 5416.0, 5290.0, 5348.0, 5477.0, 5370.0, 5632.0, 5535.0, 5589.0, 5377.0, 5714.0, 5704.0, 5599.0, 5433.0, 5657.0, 5722.0, 5356.0, 5467.0, 5536.0, 5493.0, 5340.0, 5447.0, 5332.0, 5504.0, 5655.0, 5659.0, 5508.0, 5605.0, 5449.0, 5618.0, 5253.0, 5703.0, 5355.0, 5316.0, 5551.0, 5418.0, 5387.0, 5620.0, 5319.0, 5523.0, 5398.0, 5262.0, 5631.0, 5550.0, 5336.0, 5378.0, 5401.0, 5386.0, 5334.0, 5284.0, 5565.0, 5367.0, 5441.0, 5721.0, 5639.0, 5690.0, 5510.0, 5569.0, 5486.0, 5509.0, 5692.0, 5333.0, 5327.0, 5466.0, 5376.0, 5641.0, 5656.0, 5622.0, 5650.0, 5678.0, 5411.0, 5681.0, 5669.0, 5612.0, 5630.0, 5530.0, 5397.0, 5688.0, 5596.0, 5546.0, 5586.0, 5481.0, 5464.0, 5453.0, 5457.0, 5502.0, 5301.0, 5448.0, 5538.0, 5683.0, 5667.0, 5324.0, 5384.0, 5698.0, 5581.0, 5394.0 (number of hits: 7)
8	5510.0	9	1.0	333	1	5282.0, 5413.0, 5358.0, 5277.0, 5479.0, 5704.0, 5619.0, 5280.0, 5387.0, 5252.0, 5349.0, 5437.0, 5656.0, 5691.0, 5505.0, 5595.0, 5285.0, 5478.0, 5315.0, 5642.0, 5602.0, 5312.0, 5310.0, 5517.0, 5621.0, 5545.0, 5329.0, 5502.0, 5309.0, 5531.0, 5632.0, 5365.0, 5605.0, 5343.0, 5466.0, 5464.0, 5527.0, 5473.0, 5336.0, 5388.0, 5670.0, 5500.0, 5412.0, 5593.0, 5506.0, 5582.0, 5373.0, 5450.0, 5350.0, 5630.0, 5263.0, 5538.0, 5616.0, 5503.0, 5270.0, 5269.0, 5266.0, 5483.0, 5658.0, 5578.0, 5692.0, 5665.0, 5313.0, 5441.0, 5674.0, 5557.0, 5623.0, 5472.0, 5618.0, 5461.0, 5260.0, 5660.0, 5493.0, 5253.0, 5332.0, 5377.0, 5496.0, 5492.0, 5389.0, 5320.0, 5375.0, 5564.0, 5507.0, 5689.0, 5404.0, 5286.0, 5566.0, 5675.0, 5497.0, 5696.0, 5261.0, 5439.0, 5430.0, 5368.0, 5671.0, 5393.0, 5504.0, 5698.0, 5648.0, 5638.0 (number of hits: 13)
9	5510.0	9	1.0	333	1	5721.0, 5254.0, 5711.0, 5482.0, 5585.0, 5402.0, 5592.0, 5450.0, 5547.0, 5692.0, 5553.0, 5259.0, 5400.0, 5521.0, 5575.0, 5379.0, 5306.0, 5539.0, 5288.0, 5578.0, 5704.0, 5475.0, 5603.0, 5648.0, 5550.0, 5268.0, 5590.0, 5275.0, 5351.0, 5285.0, 5309.0, 5542.0, 5280.0, 5329.0, 5286.0, 5258.0, 5663.0, 5519.0, 5506.0, 5349.0, 5507.0, 5688.0, 5576.0, 5724.0, 5468.0, 5473.0, 5420.0, 5605.0, 5613.0, 5679.0, 5557.0, 5325.0, 5490.0, 5493.0, 5390.0, 5610.0, 5527.0, 5629.0, 5617.0, 5627.0, 5404.0, 5333.0, 5417.0, 5467.0, 5327.0, 5656.0, 5284.0, 5399.0, 5425.0, 5361.0, 5466.0, 5698.0, 5458.0, 5338.0, 5618.0, 5703.0, 5441.0, 5572.0, 5499.0, 5449.0, 5524.0, 5691.0, 5673.0, 5655.0, 5261.0, 5262.0, 5317.0, 5435.0, 5495.0, 5339.0, 5465.0, 5632.0, 5348.0, 5299.0, 5372.0, 5364.0, 5320.0, 5653.0, 5543.0, 5666.0 (number of hits: 9)
10	5510.0	9	1.0	333	1	5379.0, 5485.0, 5414.0, 5419.0, 5377.0, 5320.0, 5353.0, 5351.0,

						5585.0, 5521.0, 5424.0, 5284.0, 5499.0, 5676.0, 5541.0, 5299.0, 5551.0, 5635.0, 5721.0, 5294.0, 5581.0, 5372.0, 5288.0, 5616.0, 5524.0, 5594.0, 5623.0, 5723.0, 5422.0, 5489.0, 5693.0, 5270.0, 5656.0, 5698.0, 5554.0, 5486.0, 5599.0, 5640.0, 5492.0, 5263.0, 5682.0, 5461.0, 5272.0, 5357.0, 5655.0, 5702.0, 5384.0, 5629.0, 5445.0, 5633.0, 5665.0, 5520.0, 5482.0, 5431.0, 5271.0, 5393.0, 5657.0, 5330.0, 5398.0, 5342.0, 5663.0, 5465.0, 5496.0, 5697.0, 5590.0, 5254.0, 5631.0, 5647.0, 5479.0, 5564.0, 5483.0, 5514.0, 5455.0, 5370.0, 5303.0, 5686.0, 5641.0, 5341.0, 5699.0, 5439.0, 5548.0, 5349.0, 5589.0, 5509.0, 5583.0, 5462.0, 5601.0, 5373.0, 5703.0, 5457.0, 5673.0, 5265.0, 5613.0, 5619.0, 5528.0, 5567.0, 5440.0, 5396.0, 5724.0, 5432.0 (number of hits: 8)
11	5510.0	9	1.0	333	1	5636.0, 5367.0, 5453.0, 5465.0, 5670.0, 5270.0, 5280.0, 5488.0, 5679.0, 5594.0, 5499.0, 5678.0, 5357.0, 5623.0, 5694.0, 5664.0, 5519.0, 5489.0, 5711.0, 5257.0, 5680.0, 5468.0, 5696.0, 5707.0, 5568.0, 5661.0, 5602.0, 5672.0, 5567.0, 5645.0, 5493.0, 5283.0, 5466.0, 5487.0, 5505.0, 5591.0, 5533.0, 5347.0, 5417.0, 5528.0, 5295.0, 5433.0, 5620.0, 5666.0, 5359.0, 5503.0, 5558.0, 5330.0, 5610.0, 5356.0, 5656.0, 5362.0, 5605.0, 5590.0, 5701.0, 5553.0, 5278.0, 5603.0, 5705.0, 5700.0, 5355.0, 5475.0, 5662.0, 5562.0, 5545.0, 5413.0, 5348.0, 5447.0, 5435.0, 5595.0, 5477.0, 5576.0, 5629.0, 5384.0, 5443.0, 5685.0, 5534.0, 5557.0, 5658.0, 5259.0, 5641.0, 5345.0, 5671.0, 5371.0, 5616.0, 5593.0, 5510.0, 5684.0, 5577.0, 5281.0, 5507.0, 5368.0, 5378.0, 5517.0, 5651.0, 5669.0, 5380.0, 5699.0, 5387.0, 5476.0 (number of hits: 8)
12	5510.0	9	1.0	333	1	5486.0, 5560.0, 5424.0, 5333.0, 5544.0, 5435.0, 5342.0, 5593.0, 5661.0, 5650.0, 5658.0, 5322.0, 5462.0, 5638.0, 5432.0, 5494.0, 5574.0, 5547.0, 5634.0, 5672.0, 5640.0, 5514.0, 5683.0, 5499.0, 5250.0, 5352.0, 5501.0, 5585.0, 5297.0, 5328.0, 5300.0, 5329.0, 5254.0, 5339.0, 5507.0, 5480.0, 5656.0, 5592.0, 5419.0, 5442.0, 5252.0, 5301.0, 5645.0, 5647.0, 5490.0, 5578.0, 5364.0, 5416.0, 5267.0, 5481.0, 5608.0, 5584.0, 5654.0, 5410.0, 5674.0, 5468.0, 5396.0, 5643.0, 5557.0, 5463.0, 5445.0, 5693.0, 5613.0, 5706.0, 5324.0, 5371.0, 5713.0, 5361.0, 5428.0, 5617.0, 5552.0, 5572.0, 5554.0, 5397.0, 5280.0, 5632.0, 5659.0, 5633.0, 5403.0, 5555.0, 5641.0, 5631.0, 5717.0, 5259.0, 5694.0, 5384.0, 5394.0, 5477.0, 5720.0, 5347.0, 5430.0, 5304.0, 5520.0, 5517.0, 5466.0, 5401.0, 5464.0, 5260.0, 5381.0, 5492.0 (number of hits: 8)
13	5510.0	9	1.0	333	1	5663.0, 5470.0, 5362.0, 5267.0, 5571.0, 5569.0, 5553.0, 5572.0, 5497.0, 5377.0, 5391.0, 5586.0, 5600.0, 5610.0, 5260.0, 5413.0, 5271.0, 5688.0, 5633.0, 5350.0, 5332.0, 5702.0, 5452.0, 5691.0, 5253.0, 5557.0, 5454.0, 5672.0, 5356.0, 5636.0, 5556.0, 5694.0, 5566.0, 5582.0, 5304.0, 5614.0, 5455.0, 5285.0, 5257.0, 5667.0, 5542.0, 5433.0, 5279.0, 5316.0, 5584.0, 5624.0, 5261.0, 5300.0, 5716.0, 5402.0, 5453.0, 5655.0, 5722.0, 5623.0, 5328.0, 5535.0, 5364.0, 5336.0, 5507.0, 5360.0, 5708.0, 5645.0, 5428.0, 5465.0, 5659.0, 5635.0, 5607.0, 5434.0, 5400.0, 5540.0, 5711.0, 5451.0, 5669.0, 5684.0, 5622.0, 5326.0, 5278.0, 5352.0, 5273.0, 5409.0, 5456.0, 5329.0, 5627.0, 5432.0, 5575.0, 5293.0, 5471.0, 5664.0, 5706.0, 5370.0, 5723.0, 5693.0, 5590.0, 5648.0, 5252.0, 5277.0, 5339.0, 5444.0, 5338.0, 5437.0 (number of hits: 2)
14	5510.0	9	1.0	333	1	5344.0, 5398.0, 5457.0, 5589.0, 5360.0, 5702.0, 5620.0, 5485.0, 5694.0, 5635.0, 5275.0, 5704.0, 5517.0, 5366.0, 5393.0, 5607.0, 5629.0, 5541.0, 5255.0, 5522.0, 5665.0, 5526.0, 5304.0, 5386.0, 5324.0, 5483.0, 5413.0, 5698.0, 5338.0, 5377.0, 5426.0, 5270.0, 5284.0, 5549.0, 5546.0, 5672.0, 5690.0, 5282.0, 5259.0, 5703.0, 5442.0, 5258.0, 5558.0, 5358.0, 5297.0, 5277.0, 5657.0, 5481.0, 5425.0, 5264.0, 5510.0, 5266.0, 5294.0, 5599.0, 5717.0, 5469.0, 5362.0, 5715.0, 5713.0, 5705.0, 5628.0, 5280.0, 5569.0, 5470.0, 5537.0, 5557.0, 5712.0, 5723.0, 5587.0, 5529.0, 5520.0, 5434.0, 5707.0, 5355.0, 5591.0, 5612.0, 5348.0, 5419.0, 5586.0, 5505.0, 5626.0, 5388.0, 5617.0, 5343.0, 5459.0, 5407.0, 5395.0, 5482.0,

						5536.0, 5679.0, 5321.0, 5406.0, 5449.0, 5525.0, 5403.0, 5580.0, 5700.0, 5268.0, 5564.0, 5514.0 (number of hits: 8)
15	5510.0	9	1.0	333	1	5564.0, 5723.0, 5654.0, 5279.0, 5276.0, 5369.0, 5323.0, 5292.0, 5698.0, 5599.0, 5552.0, 5597.0, 5473.0, 5450.0, 5334.0, 5277.0, 5592.0, 5387.0, 5280.0, 5656.0, 5638.0, 5514.0, 5577.0, 5639.0, 5437.0, 5425.0, 5652.0, 5411.0, 5402.0, 5264.0, 5555.0, 5265.0, 5451.0, 5333.0, 5485.0, 5471.0, 5520.0, 5616.0, 5399.0, 5494.0, 5370.0, 5622.0, 5492.0, 5461.0, 5576.0, 5359.0, 5475.0, 5613.0, 5314.0, 5427.0, 5495.0, 5282.0, 5581.0, 5614.0, 5404.0, 5556.0, 5296.0, 5415.0, 5252.0, 5325.0, 5675.0, 5542.0, 5572.0, 5603.0, 5428.0, 5256.0, 5381.0, 5578.0, 5430.0, 5319.0, 5284.0, 5551.0, 5258.0, 5655.0, 5505.0, 5704.0, 5666.0, 5713.0, 5456.0, 5620.0, 5268.0, 5579.0, 5500.0, 5587.0, 5355.0, 5664.0, 5397.0, 5315.0, 5721.0, 5465.0, 5353.0, 5676.0, 5320.0, 5486.0, 5290.0, 5293.0, 5287.0, 5440.0, 5367.0, 5386.0 (number of hits: 7)
16	5510.0	9	1.0	333	1	5363.0, 5294.0, 5366.0, 5327.0, 5686.0, 5391.0, 5592.0, 5665.0, 5504.0, 5288.0, 5674.0, 5594.0, 5467.0, 5717.0, 5573.0, 5395.0, 5279.0, 5655.0, 5443.0, 5386.0, 5584.0, 5700.0, 5307.0, 5631.0, 5586.0, 5486.0, 5385.0, 5699.0, 5471.0, 5390.0, 5444.0, 5703.0, 5254.0, 5405.0, 5633.0, 5436.0, 5369.0, 5652.0, 5526.0, 5562.0, 5668.0, 5589.0, 5517.0, 5662.0, 5401.0, 5397.0, 5643.0, 5549.0, 5269.0, 5388.0, 5622.0, 5426.0, 5681.0, 5493.0, 5659.0, 5473.0, 5593.0, 5408.0, 5661.0, 5611.0, 5442.0, 5640.0, 5630.0, 5429.0, 5351.0, 5432.0, 5264.0, 5663.0, 5514.0, 5274.0, 5455.0, 5531.0, 5529.0, 5384.0, 5672.0, 5505.0, 5413.0, 5318.0, 5707.0, 5475.0, 5458.0, 5645.0, 5644.0, 5255.0, 5396.0, 5560.0, 5535.0, 5527.0, 5256.0, 5618.0, 5383.0, 5575.0, 5354.0, 5491.0, 5550.0, 5667.0, 5571.0, 5265.0, 5554.0, 5720.0 (number of hits: 7)
17	5510.0	9	1.0	333	1	5340.0, 5598.0, 5310.0, 5495.0, 5616.0, 5671.0, 5345.0, 5387.0, 5328.0, 5649.0, 5525.0, 5577.0, 5386.0, 5396.0, 5315.0, 5477.0, 5274.0, 5683.0, 5440.0, 5317.0, 5704.0, 5395.0, 5480.0, 5363.0, 5696.0, 5358.0, 5565.0, 5255.0, 5488.0, 5557.0, 5489.0, 5560.0, 5552.0, 5429.0, 5375.0, 5660.0, 5292.0, 5379.0, 5661.0, 5685.0, 5447.0, 5607.0, 5271.0, 5335.0, 5302.0, 5364.0, 5585.0, 5428.0, 5497.0, 5687.0, 5421.0, 5250.0, 5699.0, 5610.0, 5406.0, 5290.0, 5414.0, 5423.0, 5583.0, 5636.0, 5450.0, 5486.0, 5267.0, 5268.0, 5631.0, 5438.0, 5587.0, 5485.0, 5711.0, 5389.0, 5674.0, 5663.0, 5307.0, 5305.0, 5600.0, 5254.0, 5365.0, 5391.0, 5334.0, 5304.0, 5355.0, 5301.0, 5333.0, 5445.0, 5667.0, 5634.0, 5673.0, 5297.0, 5319.0, 5524.0, 5361.0, 5289.0, 5540.0, 5442.0, 5493.0, 5464.0, 5370.0, 5504.0, 5652.0, 5410.0 (number of hits: 6)
18	5510.0	9	1.0	333	1	5327.0, 5674.0, 5368.0, 5347.0, 5337.0, 5635.0, 5513.0, 5697.0, 5399.0, 5492.0, 5710.0, 5685.0, 5656.0, 5603.0, 5370.0, 5581.0, 5356.0, 5379.0, 5410.0, 5257.0, 5301.0, 5398.0, 5426.0, 5598.0, 5361.0, 5473.0, 5295.0, 5302.0, 5564.0, 5534.0, 5672.0, 5495.0, 5699.0, 5293.0, 5611.0, 5381.0, 5529.0, 5274.0, 5434.0, 5627.0, 5651.0, 5458.0, 5319.0, 5723.0, 5708.0, 5341.0, 5278.0, 5312.0, 5482.0, 5684.0, 5540.0, 5718.0, 5693.0, 5500.0, 5489.0, 5592.0, 5580.0, 5626.0, 5324.0, 5386.0, 5281.0, 5619.0, 5294.0, 5586.0, 5493.0, 5682.0, 5349.0, 5563.0, 5695.0, 5331.0, 5523.0, 5541.0, 5269.0, 5511.0, 5487.0, 5576.0, 5711.0, 5722.0, 5267.0, 5326.0, 5686.0, 5539.0, 5531.0, 5551.0, 5445.0, 5298.0, 5620.0, 5507.0, 5628.0, 5593.0, 5419.0, 5279.0, 5478.0, 5690.0, 5475.0, 5348.0, 5702.0, 5309.0, 5606.0, 5411.0 (number of hits: 8)
19	5510.0	9	1.0	333	1	5710.0, 5580.0, 5426.0, 5531.0, 5670.0, 5572.0, 5497.0, 5517.0, 5319.0, 5510.0, 5481.0, 5352.0, 5357.0, 5445.0, 5366.0, 5596.0, 5548.0, 5663.0, 5447.0, 5494.0, 5437.0, 5648.0, 5658.0, 5272.0, 5690.0, 5361.0, 5448.0, 5382.0, 5338.0, 5724.0, 5720.0, 5667.0, 5604.0, 5632.0, 5713.0, 5298.0, 5387.0, 5372.0, 5446.0, 5555.0, 5512.0, 5549.0, 5402.0, 5421.0, 5458.0, 5440.0, 5461.0, 5518.0, 5721.0, 5388.0, 5308.0, 5313.0, 5305.0, 5565.0, 5370.0, 5524.0, 5576.0, 5439.0, 5291.0, 5664.0, 5709.0, 5400.0, 5521.0, 5393.0,

						5444.0, 5712.0, 5489.0, 5586.0, 5717.0, 5660.0, 5293.0, 5657.0, 5273.0, 5286.0, 5665.0, 5470.0, 5542.0, 5639.0, 5557.0, 5610.0, 5403.0, 5638.0, 5592.0, 5345.0, 5528.0, 5296.0, 5264.0, 5401.0, 5668.0, 5681.0, 5582.0, 5377.0, 5333.0, 5321.0, 5419.0, 5347.0, 5304.0, 5693.0, 5682.0, 5628.0 (number of hits: 8)
20	5510.0	9	1.0	333	1	5603.0, 5665.0, 5552.0, 5442.0, 5317.0, 5453.0, 5452.0, 5366.0, 5690.0, 5459.0, 5666.0, 5446.0, 5533.0, 5563.0, 5567.0, 5609.0, 5592.0, 5314.0, 5372.0, 5492.0, 5398.0, 5547.0, 5272.0, 5714.0, 5402.0, 5498.0, 5630.0, 5633.0, 5721.0, 5589.0, 5447.0, 5386.0, 5316.0, 5512.0, 5368.0, 5685.0, 5699.0, 5284.0, 5556.0, 5667.0, 5289.0, 5523.0, 5350.0, 5281.0, 5586.0, 5621.0, 5626.0, 5507.0, 5623.0, 5295.0, 5692.0, 5520.0, 5684.0, 5328.0, 5388.0, 5712.0, 5405.0, 5707.0, 5306.0, 5266.0, 5527.0, 5568.0, 5536.0, 5476.0, 5682.0, 5631.0, 5348.0, 5597.0, 5681.0, 5351.0, 5333.0, 5564.0, 5695.0, 5267.0, 5373.0, 5694.0, 5517.0, 5615.0, 5485.0, 5565.0, 5525.0, 5410.0, 5315.0, 5381.0, 5479.0, 5432.0, 5624.0, 5471.0, 5541.0, 5407.0, 5532.0, 5417.0, 5387.0, 5273.0, 5697.0, 5515.0, 5339.0, 5264.0, 5522.0, 5662.0 (number of hits: 11)
21	5510.0	9	1.0	333	1	5441.0, 5466.0, 5576.0, 5522.0, 5307.0, 5622.0, 5381.0, 5695.0, 5547.0, 5410.0, 5427.0, 5271.0, 5575.0, 5717.0, 5313.0, 5692.0, 5289.0, 5571.0, 5481.0, 5627.0, 5397.0, 5564.0, 5515.0, 5619.0, 5563.0, 5687.0, 5607.0, 5256.0, 5633.0, 5658.0, 5543.0, 5605.0, 5260.0, 5298.0, 5700.0, 5398.0, 5583.0, 5362.0, 5690.0, 5399.0, 5621.0, 5650.0, 5639.0, 5371.0, 5311.0, 5373.0, 5572.0, 5506.0, 5315.0, 5282.0, 5530.0, 5654.0, 5395.0, 5476.0, 5660.0, 5499.0, 5565.0, 5479.0, 5300.0, 5580.0, 5406.0, 5666.0, 5587.0, 5263.0, 5591.0, 5594.0, 5555.0, 5419.0, 5294.0, 5320.0, 5707.0, 5442.0, 5361.0, 5350.0, 5330.0, 5521.0, 5592.0, 5620.0, 5341.0, 5347.0, 5269.0, 5336.0, 5262.0, 5377.0, 5401.0, 5655.0, 5447.0, 5290.0, 5722.0, 5683.0, 5703.0, 5574.0, 5494.0, 5314.0, 5612.0, 5275.0, 5492.0, 5534.0, 5584.0, 5297.0 (number of hits: 7)
22	5510.0	9	1.0	333	1	5378.0, 5265.0, 5343.0, 5638.0, 5520.0, 5345.0, 5324.0, 5397.0, 5409.0, 5300.0, 5349.0, 5455.0, 5672.0, 5392.0, 5311.0, 5610.0, 5487.0, 5308.0, 5291.0, 5418.0, 5453.0, 5469.0, 5273.0, 5395.0, 5398.0, 5565.0, 5651.0, 5721.0, 5303.0, 5679.0, 5556.0, 5315.0, 5571.0, 5708.0, 5348.0, 5597.0, 5716.0, 5513.0, 5321.0, 5600.0, 5312.0, 5585.0, 5484.0, 5412.0, 5366.0, 5399.0, 5341.0, 5605.0, 5288.0, 5427.0, 5583.0, 5367.0, 5514.0, 5476.0, 5361.0, 5563.0, 5652.0, 5256.0, 5468.0, 5683.0, 5657.0, 5428.0, 5601.0, 5619.0, 5720.0, 5436.0, 5525.0, 5253.0, 5576.0, 5673.0, 5499.0, 5589.0, 5489.0, 5709.0, 5608.0, 5467.0, 5360.0, 5550.0, 5595.0, 5351.0, 5547.0, 5515.0, 5523.0, 5344.0, 5386.0, 5510.0, 5553.0, 5271.0, 5663.0, 5299.0, 5434.0, 5544.0, 5390.0, 5433.0, 5533.0, 5649.0, 5684.0, 5422.0, 5650.0, 5607.0 (number of hits: 8)
23	5510.0	9	1.0	333	1	5678.0, 5620.0, 5676.0, 5502.0, 5684.0, 5301.0, 5532.0, 5392.0, 5380.0, 5663.0, 5659.0, 5370.0, 5375.0, 5484.0, 5640.0, 5399.0, 5601.0, 5362.0, 5720.0, 5543.0, 5386.0, 5328.0, 5285.0, 5597.0, 5686.0, 5426.0, 5603.0, 5338.0, 5636.0, 5458.0, 5525.0, 5465.0, 5455.0, 5702.0, 5264.0, 5422.0, 5326.0, 5401.0, 5574.0, 5662.0, 5390.0, 5343.0, 5360.0, 5648.0, 5416.0, 5333.0, 5598.0, 5646.0, 5356.0, 5290.0, 5358.0, 5514.0, 5572.0, 5279.0, 5509.0, 5627.0, 5251.0, 5611.0, 5513.0, 5495.0, 5653.0, 5501.0, 5546.0, 5277.0, 5568.0, 5638.0, 5587.0, 5689.0, 5402.0, 5645.0, 5716.0, 5295.0, 5503.0, 5535.0, 5352.0, 5590.0, 5647.0, 5641.0, 5307.0, 5551.0, 5556.0, 5528.0, 5263.0, 5461.0, 5281.0, 5499.0, 5524.0, 5704.0, 5300.0, 5472.0, 5674.0, 5670.0, 5714.0, 5693.0, 5327.0, 5642.0, 5368.0, 5366.0, 5259.0, 5463.0 (number of hits: 10)
24	5510.0	9	1.0	333	1	5578.0, 5406.0, 5565.0, 5598.0, 5649.0, 5385.0, 5411.0, 5312.0, 5589.0, 5451.0, 5478.0, 5698.0, 5634.0, 5509.0, 5435.0, 5570.0, 5621.0, 5361.0, 5644.0, 5596.0, 5610.0, 5365.0, 5637.0, 5302.0, 5423.0, 5671.0, 5501.0, 5446.0, 5635.0, 5439.0, 5657.0, 5564.0, 5366.0, 5693.0, 5349.0, 5582.0, 5466.0, 5382.0, 5685.0, 5640.0,

						5460.0, 5591.0, 5442.0, 5613.0, 5274.0, 5572.0, 5481.0, 5489.0, 5255.0, 5694.0, 5408.0, 5355.0, 5684.0, 5319.0, 5399.0, 5605.0, 5394.0, 5537.0, 5386.0, 5700.0, 5524.0, 5289.0, 5619.0, 5389.0, 5265.0, 5251.0, 5545.0, 5543.0, 5638.0, 5655.0, 5285.0, 5295.0, 5308.0, 5467.0, 5507.0, 5379.0, 5276.0, 5407.0, 5474.0, 5373.0, 5677.0, 5664.0, 5378.0, 5661.0, 5517.0, 5322.0, 5360.0, 5654.0, 5398.0, 5372.0, 5287.0, 5651.0, 5420.0, 5271.0, 5357.0, 5508.0, 5254.0, 5506.0, 5358.0, 5483.0 (number of hits: 7)
25	5510.0	9	1.0	333	1	5575.0, 5550.0, 5274.0, 5448.0, 5313.0, 5467.0, 5511.0, 5622.0, 5332.0, 5590.0, 5702.0, 5437.0, 5291.0, 5428.0, 5652.0, 5457.0, 5416.0, 5474.0, 5273.0, 5547.0, 5707.0, 5626.0, 5666.0, 5641.0, 5423.0, 5279.0, 5493.0, 5424.0, 5350.0, 5657.0, 5635.0, 5460.0, 5322.0, 5633.0, 5663.0, 5314.0, 5584.0, 5614.0, 5561.0, 5563.0, 5328.0, 5297.0, 5580.0, 5390.0, 5519.0, 5300.0, 5598.0, 5704.0, 5304.0, 5296.0, 5593.0, 5520.0, 5324.0, 5673.0, 5477.0, 5464.0, 5392.0, 5610.0, 5573.0, 5718.0, 5534.0, 5302.0, 5540.0, 5693.0, 5706.0, 5711.0, 5262.0, 5353.0, 5606.0, 5538.0, 5658.0, 5488.0, 5634.0, 5363.0, 5295.0, 5440.0, 5375.0, 5365.0, 5680.0, 5609.0, 5288.0, 5310.0, 5340.0, 5560.0, 5399.0, 5417.0, 5366.0, 5565.0, 5716.0, 5496.0, 5252.0, 5665.0, 5438.0, 5329.0, 5714.0, 5339.0, 5686.0, 5615.0, 5699.0, 5574.0 (number of hits: 5)
26	5510.0	9	1.0	333	1	5476.0, 5519.0, 5707.0, 5571.0, 5619.0, 5385.0, 5527.0, 5539.0, 5640.0, 5400.0, 5340.0, 5687.0, 5710.0, 5375.0, 5453.0, 5694.0, 5334.0, 5263.0, 5352.0, 5596.0, 5288.0, 5312.0, 5638.0, 5723.0, 5353.0, 5503.0, 5435.0, 5711.0, 5581.0, 5302.0, 5488.0, 5684.0, 5365.0, 5466.0, 5298.0, 5512.0, 5597.0, 5313.0, 5562.0, 5421.0, 5342.0, 5582.0, 5397.0, 5366.0, 5660.0, 5579.0, 5541.0, 5498.0, 5314.0, 5604.0, 5333.0, 5594.0, 5606.0, 5403.0, 5296.0, 5434.0, 5665.0, 5674.0, 5670.0, 5570.0, 5469.0, 5494.0, 5410.0, 5472.0, 5664.0, 5507.0, 5552.0, 5345.0, 5490.0, 5535.0, 5509.0, 5667.0, 5685.0, 5719.0, 5452.0, 5311.0, 5672.0, 5633.0, 5528.0, 5560.0, 5614.0, 5358.0, 5549.0, 5354.0, 5380.0, 5356.0, 5468.0, 5364.0, 5688.0, 5609.0, 5437.0, 5563.0, 5706.0, 5309.0, 5623.0, 5533.0, 5383.0, 5395.0, 5531.0, 5676.0 (number of hits: 8)
27	5510.0	9	1.0	333	1	5709.0, 5720.0, 5603.0, 5490.0, 5719.0, 5408.0, 5259.0, 5702.0, 5521.0, 5648.0, 5391.0, 5547.0, 5421.0, 5251.0, 5283.0, 5426.0, 5530.0, 5429.0, 5610.0, 5512.0, 5417.0, 5477.0, 5292.0, 5307.0, 5396.0, 5450.0, 5335.0, 5612.0, 5305.0, 5680.0, 5598.0, 5455.0, 5619.0, 5409.0, 5520.0, 5616.0, 5480.0, 5443.0, 5664.0, 5435.0, 5287.0, 5253.0, 5590.0, 5688.0, 5264.0, 5445.0, 5269.0, 5511.0, 5378.0, 5554.0, 5618.0, 5359.0, 5573.0, 5388.0, 5261.0, 5585.0, 5662.0, 5491.0, 5363.0, 5667.0, 5592.0, 5303.0, 5599.0, 5325.0, 5722.0, 5700.0, 5336.0, 5467.0, 5317.0, 5604.0, 5567.0, 5536.0, 5527.0, 5370.0, 5284.0, 5668.0, 5278.0, 5360.0, 5556.0, 5615.0, 5277.0, 5423.0, 5601.0, 5422.0, 5614.0, 5676.0, 5462.0, 5254.0, 5404.0, 5707.0, 5519.0, 5535.0, 5582.0, 5342.0, 5265.0, 5497.0, 5532.0, 5356.0, 5534.0, 5576.0 (number of hits: 7)
28	5510.0	9	1.0	333	1	5471.0, 5431.0, 5568.0, 5690.0, 5492.0, 5563.0, 5496.0, 5323.0, 5518.0, 5367.0, 5363.0, 5582.0, 5400.0, 5345.0, 5687.0, 5281.0, 5662.0, 5269.0, 5591.0, 5631.0, 5576.0, 5488.0, 5600.0, 5481.0, 5706.0, 5413.0, 5285.0, 5365.0, 5617.0, 5666.0, 5512.0, 5411.0, 5256.0, 5695.0, 5658.0, 5565.0, 5701.0, 5583.0, 5457.0, 5709.0, 5622.0, 5421.0, 5511.0, 5498.0, 5444.0, 5377.0, 5537.0, 5553.0, 5685.0, 5718.0, 5308.0, 5612.0, 5656.0, 5629.0, 5295.0, 5532.0, 5529.0, 5526.0, 5376.0, 5307.0, 5692.0, 5470.0, 5333.0, 5385.0, 5419.0, 5430.0, 5298.0, 5610.0, 5318.0, 5634.0, 5346.0, 5547.0, 5624.0, 5482.0, 5364.0, 5303.0, 5562.0, 5602.0, 5621.0, 5332.0, 5391.0, 5393.0, 5433.0, 5535.0, 5380.0, 5394.0, 5607.0, 5639.0, 5315.0, 5267.0, 5324.0, 5554.0, 5636.0, 5305.0, 5460.0, 5373.0, 5574.0, 5628.0, 5314.0, 5632.0 (number of hits: 7)
29	5510.0	9	1.0	333	1	5642.0, 5683.0, 5330.0, 5430.0, 5428.0, 5681.0, 5312.0, 5336.0, 5653.0, 5460.0, 5564.0, 5529.0, 5583.0, 5332.0, 5258.0, 5630.0,

						5374.0, 5464.0, 5405.0, 5640.0, 5366.0, 5664.0, 5467.0, 5282.0, 5376.0, 5454.0, 5355.0, 5329.0, 5719.0, 5613.0, 5438.0, 5307.0, 5455.0, 5508.0, 5641.0, 5424.0, 5456.0, 5520.0, 5422.0, 5542.0, 5588.0, 5597.0, 5574.0, 5385.0, 5707.0, 5388.0, 5539.0, 5482.0, 5577.0, 5341.0, 5425.0, 5523.0, 5444.0, 5367.0, 5303.0, 5377.0, 5660.0, 5264.0, 5555.0, 5602.0, 5361.0, 5485.0, 5614.0, 5301.0, 5289.0, 5528.0, 5551.0, 5611.0, 5540.0, 5441.0, 5669.0, 5679.0, 5278.0, 5575.0, 5568.0, 5552.0, 5348.0, 5296.0, 5517.0, 5503.0, 5435.0, 5544.0, 5596.0, 5567.0, 5628.0, 5465.0, 5304.0, 5333.0, 5615.0, 5701.0, 5496.0, 5717.0, 5605.0, 5712.0, 5251.0, 5253.0, 5268.0, 5618.0, 5327.0, 5687.0 (number of hits: 6)
30	5510.0	9	1.0	333	1	5399.0, 5478.0, 5712.0, 5378.0, 5536.0, 5608.0, 5713.0, 5585.0, 5296.0, 5285.0, 5284.0, 5537.0, 5620.0, 5512.0, 5591.0, 5396.0, 5287.0, 5330.0, 5514.0, 5333.0, 5297.0, 5581.0, 5615.0, 5676.0, 5633.0, 5554.0, 5466.0, 5643.0, 5698.0, 5509.0, 5273.0, 5519.0, 5261.0, 5593.0, 5516.0, 5446.0, 5350.0, 5583.0, 5714.0, 5366.0, 5457.0, 5640.0, 5308.0, 5311.0, 5447.0, 5453.0, 5349.0, 5445.0, 5442.0, 5656.0, 5523.0, 5600.0, 5342.0, 5699.0, 5269.0, 5369.0, 5397.0, 5312.0, 5327.0, 5525.0, 5684.0, 5345.0, 5479.0, 5384.0, 5448.0, 5697.0, 5501.0, 5299.0, 5709.0, 5645.0, 5716.0, 5557.0, 5532.0, 5392.0, 5511.0, 5344.0, 5650.0, 5410.0, 5391.0, 5317.0, 5649.0, 5496.0, 5388.0, 5631.0, 5540.0, 5253.0, 5578.0, 5663.0, 5579.0, 5546.0, 5459.0, 5362.0, 5551.0, 5262.0, 5264.0, 5480.0, 5568.0, 5524.0, 5683.0, 5482.0 (number of hits: 11)

P2MP Mode
Pine Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	80 %	60%	Pass
Type 3	30	96.7 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7 %	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	72	1.0	738	1
2	18	1.0	3066	1
3	67	1.0	798	1
4	89	1.0	598	1
5	86	1.0	618	1
6	76	1.0	698	1
7	102	1.0	518	1
8	62	1.0	858	1
9	63	1.0	838	1
10	65	1.0	818	1
11	58	1.0	918	1
12	68	1.0	778	1
13	92	1.0	578	1
14	99	1.0	538	1
15	78	1.0	678	1
16	58	1.0	910	1
17	40	1.0	1341	1
18	41	1.0	1308	1
19	38	1.0	1407	1
20	48	1.0	1110	1
21	35	1.0	1530	1
22	21	1.0	2526	1
23	24	1.0	2204	1
24	79	1.0	674	1
25	19	1.0	2800	1
26	18	1.0	3044	1
27	26	1.0	2036	1
28	27	1.0	1973	1
29	20	1.0	2733	1
30	28	1.0	1913	1
Detection Percentage: 100 % (>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	2.9	191	1
2	28	3.7	188	0
3	29	1.2	172	1
4	28	4.7	155	0
5	28	4.5	206	1
6	29	3.5	202	1
7	24	3.0	214	0
8	26	2.7	212	1
9	28	3.8	154	1
10	27	1.7	214	1
11	27	4.4	187	1
12	28	4.6	166	1
13	24	2.7	188	0
14	26	5.0	222	1
15	23	3.9	220	1
16	28	2.9	165	1
17	23	3.6	226	1
18	27	1.8	166	1
19	26	1.1	202	1
20	29	4.3	201	1
21	25	4.0	176	1
22	26	2.7	181	1
23	23	1.9	166	0
24	29	3.3	156	0
25	29	3.6	215	1
26	28	1.9	220	1
27	23	4.8	194	1
28	27	2.5	180	1
29	25	4.9	219	1
30	24	1.7	157	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	18	9.7	241	1
2	17	7.4	223	1
3	17	6.9	428	1
4	17	7.7	283	1
5	18	8.6	380	1
6	18	7.3	395	1
7	18	6.5	206	1
8	17	6.3	275	1
9	16	8.7	296	1
10	18	8.0	306	1
11	16	8.0	434	1
12	16	7.1	303	1
13	17	7.2	314	1
14	16	9.0	386	1
15	17	6.4	337	1
16	17	8.2	293	1
17	17	9.8	247	0
18	17	7.5	202	1
19	18	9.3	478	1
20	17	6.6	245	1
21	16	6.0	407	1
22	18	8.7	428	1
23	18	9.9	269	1
24	16	7.7	374	1
25	16	6.1	452	1
26	18	9.9	345	1
27	17	7.3	479	1
28	18	7.9	215	1
29	16	9.3	338	1
30	18	9.0	273	1
Detection Percentage: 96.7 % (>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	14	11.5	319	1
2	15	13.2	342	1
3	15	17.2	388	1
4	13	13.3	212	1
5	12	18.2	207	1
6	13	11.4	311	1
7	13	17.0	412	1
8	12	13.4	439	1
9	15	16.0	457	1
10	16	18.0	312	1
11	12	17.0	314	1
12	14	13.6	265	0
13	12	16.7	391	1
14	15	18.7	232	1
15	16	15.0	247	1
16	16	16.5	460	1
17	12	19.0	231	1
18	14	13.2	205	1
19	14	14.7	452	1
20	12	13.7	299	1
21	14	13.0	249	1
22	14	17.1	313	1
23	12	15.2	312	1
24	14	13.8	217	1
25	13	14.6	415	1
26	16	14.4	256	1
27	13	19.5	291	0
28	14	13.7	465	1
29	14	15.0	362	0
30	14	11.6	263	1
Detection Percentage: 90 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5499.1	1
12	5493.9	1
13	5499.1	1
14	5493.5	1
15	5496.3	1
16	5496.7	1
17	5497.9	1
18	5499.1	1
19	5497.1	1
20	5499.1	1
21	5566.5	1
22	5565.7	1
23	5566.1	1
24	5566.1	1
25	5561.3	1
26	5562.5	1
27	5561.7	1
28	5564.5	1
29	5560.5	1
30	5566.5	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	11	90.4	1361	1873	0.644905	1
1	2	11	83.3	1912		1.397250	
2	1	11	50.3			3.801939	
3	2	11	91.6	1507		4.336346	
4	3	11	87.3	1384	1386	6.284899	
5	1	11	96.2			7.359500	
6	2	11	66.4	1424		8.019496	
7	2	11	76.0	1699		9.885068	
8	3	11	69.1	1459	1624	11.059633	

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	8	54.8	1835		0.074458	1
1	3	8	67.4	1640	1102	0.989794	
2	2	8	77.0	1601		2.022485	
3	1	8	98.9			2.719668	
4	2	8	97.9	1544		3.496088	
5	2	8	92.4	1813		3.791064	
6	2	8	86.4	1928		4.899007	
7	2	8	61.1	1477		5.376930	
8	2	8	83.7	1204		5.687813	
9	2	8	72.9	1830		6.695359	
10	2	8	96.0	1928		7.655478	
11	2	8	65.9	1001		8.055606	
12	2	8	67.3	1931		9.118465	
13	2	8	78.9	1326		9.206100	
14	3	8	53.7	1189	1915	10.450636	
15	2	8	61.1	1859		10.803465	
16	2	8	77.5	1569		11.467385	

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	7	53.7	1156		0.276811	1
1	3	7	95.0	1906	1897	1.011314	
2	1	7	67.8			1.536969	
3	2	7	66.3	1942		2.439722	
4	3	7	81.3	1035	1137	2.826971	
5	3	7	98.5	1662	1953	3.591887	
6	2	7	72.6	1685		4.349683	
7	1	7	51.6			5.069249	
8	2	7	69.3	1475		6.309042	
9	1	7	65.2			7.003636	
10	2	7	94.4	1845		7.708742	
11	2	7	88.4	1684		8.119774	
12	1	7	99.7			8.682339	
13	3	7	79.0	1849	1794	9.277160	
14	2	7	86.4	1043		10.230487	
15	2	7	68.3	1555		11.285665	
16	2	7	89.7	1113		11.738645	

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	6	57.8	1903		0.137928	1
1	2	6	58.8	1087		2.058070	
2	2	6	64.2	1078		3.160397	
3	3	6	77.1	1826	1450	4.309623	
4	2	6	81.3	1783		5.335994	
5	3	6	67.1	1103	1930	5.526594	
6	2	6	80.0	1608		7.364993	
7	3	6	56.6	1330	1579	8.179488	
8	2	6	97.0	1729		8.942268	
9	2	6	50.0	1847		10.712432	
10	3	6	82.4	1730	1907	11.115772	

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	89.9	1401	1797	0.337901	1
1	1	12	60.3			1.635219	
2	1	12	77.4			3.222388	
3	3	12	56.5	1925	1362	4.711390	
4	2	12	97.3	1355		5.324117	
5	2	12	54.1	1358		7.173353	
6	1	12	96.8			8.297334	
7	2	12	88.6	1783		8.714176	
8	2	12	76.6	1548		9.609783	
9	3	12	85.0	1271	1984	11.582136	

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	15	56.9	1520		0.094443	1
1	2	15	90.0	1126		1.400379	
2	2	15	54.7	1385		2.689967	
3	1	15	97.6			4.489494	
4	1	15	54.4			6.368164	
5	1	15	95.2			7.795370	
6	1	15	99.0			9.082636	
7	1	15	55.6			10.169004	
8	2	15	60.9	1836		10.703400	

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	14	58.9			0.348947	1
1	2	14	55.2	1991		0.857561	
2	1	14	98.1			2.000240	
3	2	14	64.6	1643		2.789744	
4	2	14	80.9	1931		3.587842	
5	1	14	73.0			4.493399	
6	3	14	92.2	1011	1572	5.051774	
7	2	14	80.1	1742		5.719148	
8	2	14	83.5	1089		6.306624	
9	1	14	79.4			6.951725	
10	1	14	83.7			8.090508	
11	3	14	56.9	1676	1264	8.325418	
12	3	14	89.4	1487	1314	9.679882	
13	3	14	92.9	1091	1843	9.990755	
14	3	14	79.7	1745	1060	10.771823	
15	3	14	88.7	1391	1641	11.833098	

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	1	10	81.0			0.382846	
1	1	10	73.9			0.851468	
2	1	10	87.2			1.664590	
3	2	10	92.4	1105		2.020448	
4	1	10	63.1			2.635639	
5	1	10	64.4			3.423213	
6	2	10	50.1	1712		4.131620	
7	2	10	96.6	1176		5.018443	
8	2	10	92.5	1474		5.281770	
9	3	10	99.7	1505	1612	6.012955	1
10	2	10	54.7	1781		6.667160	
11	2	10	58.6	1597		7.353179	
12	2	10	57.9	1459		7.794721	
13	2	10	81.6	1585		8.355012	
14	2	10	68.7	1269		9.146541	
15	1	10	56.5			9.558321	
16	1	10	94.2			10.329617	
17	1	10	58.9			10.750504	
18	1	10	74.9			11.880251	

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	7	88.4			0.831245	1
1	2	7	70.7	1834		0.974304	
2	2	7	51.4	1139		2.748243	
3	2	7	91.6	1761		3.570229	
4	3	7	64.2	1544	1626	4.549673	
5	3	7	85.2	1428	1980	5.260162	
6	1	7	68.0			6.220572	
7	2	7	97.5	1481		7.111019	
8	1	7	58.8			8.061522	
9	1	7	79.6			8.789033	
10	1	7	99.7			9.885952	
11	1	7	75.3			10.219005	
12	2	7	88.1	1566		11.497812	

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	3	12	69.1	1500	1791	0.672797	1
1	3	12	75.7	1244	1485	0.829169	
2	3	12	66.5	1971	1728	1.710552	
3	3	12	80.7	1251	1984	2.528866	
4	2	12	93.9	1366		3.668607	
5	2	12	91.2	1882		4.311824	
6	2	12	77.1	1724		4.953868	
7	1	12	63.3			5.770757	
8	2	12	92.0	1136		6.708744	
9	1	12	86.8			7.101026	
10	1	12	97.7			8.155950	
11	1	12	83.6			8.695018	
12	2	12	53.8	1564		9.128340	
13	3	12	65.7	1970	1850	9.821072	
14	2	12	74.6	1787		11.132338	
15	2	12	78.2	1430		11.419249	

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	19	75.1	1017	1637	0.333670	1
1	1	19	66.6			1.537600	
2	3	19	88.7	1780	1979	2.493013	
3	2	19	58.6	1345		3.007403	
4	2	19	57.6	1972		4.488122	
5	2	19	85.6	1790		5.275346	
6	2	19	61.7	1191		5.598540	
7	3	19	60.3	1097	1900	7.209531	
8	2	19	50.3	1782		7.489410	
9	2	19	52.1	1040		8.784752	
10	1	19	98.0			9.709066	
11	1	19	73.4			10.774200	
12	2	19	66.1	1995		11.110500	

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	3	6	90.1	1949	1321	0.086729	1
1	2	6	95.1	1828		1.773683	
2	2	6	58.2	1292		2.893177	
3	3	6	68.0	1688	1785	3.874200	
4	2	6	61.5	1746		4.415040	
5	2	6	64.6	1690		5.317433	
6	2	6	94.2	1091		6.764803	
7	2	6	68.7	1011		7.736121	
8	2	6	71.6	1712		8.923654	
9	3	6	96.9	1524	1762	9.844427	
10	2	6	58.0	1710		10.081085	
11	2	6	70.9	1043		11.507583	

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	1	19	93.7			0.264513	1
1	2	19	68.5	1025		1.670874	
2	3	19	61.4	1666	1501	2.235058	
3	1	19	81.1			3.222851	
4	3	19	82.5	1279	1045	4.099290	
5	3	19	55.7	1494	1735	5.446896	
6	1	19	71.9			5.707004	
7	3	19	79.5	1577	1315	6.813484	
8	3	19	71.1	1858	1532	7.450756	
9	2	19	86.9	1765		8.426295	
10	2	19	81.6	1975		9.375876	
11	1	19	69.0			10.687625	

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	91.6	1208		0.034316	1
1	2	5	67.1	1804		1.101908	
2	2	5	57.0	1500		1.483073	
3	3	5	99.7	1400	1343	2.744737	
4	2	5	71.3	1549		3.258974	
5	2	5	94.0	1453		3.894622	
6	3	5	85.9	1630	1436	4.528988	
7	2	5	90.3	1047		5.079765	
8	2	5	68.0	1229		6.061956	
9	3	5	89.3	1856	1378	6.361923	
10	2	5	84.3	1376		7.175978	
11	2	5	69.7	1874		8.298455	
12	2	5	60.2	1008		8.749682	
13	2	5	59.3	1679		9.478038	
14	1	5	86.9			10.547677	
15	1	5	96.2			10.869323	
16	3	5	64.9	1621	1053	11.827510	

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	2	12	69.4	1291		0.198421	1
1	2	12	97.0	1584		1.416302	
2	1	12	62.3			2.593491	
3	3	12	89.4	1374	1073	3.494556	
4	3	12	95.8	1527	1208	4.866426	
5	2	12	100.0	1997		5.133463	
6	2	12	63.1	1201		6.297523	
7	2	12	55.3	1865		7.191495	
8	1	12	76.7			8.260359	
9	2	12	76.9	1676		9.976025	
10	3	12	69.5	1023	1339	10.216964	
11	1	12	63.9			11.773030	

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	1	13	59.5			0.975744	1
1	3	13	93.6	1628	1466	1.442140	
2	3	13	52.4	1892	1002	3.066491	
3	2	13	85.1	1145		3.437146	
4	3	13	98.3	1259	1466	5.199984	
5	2	13	87.6	1900		6.215654	
6	2	13	79.3	1086		6.974112	
7	1	13	78.2			7.880947	
8	2	13	76.8	1387		8.755960	
9	3	13	67.6	1956	1502	10.197367	
10	1	13	82.7			11.012912	

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	16	83.9	1936		0.598724	1
1	2	16	56.4	1805		0.992635	
2	2	16	82.8	1156		2.035390	
3	1	16	52.1			2.809333	
4	3	16	97.7	1640	1535	3.639173	
5	3	16	78.8	1463	1974	3.843477	
6	2	16	96.8	1023		5.132154	
7	2	16	79.8	1029		5.963649	
8	2	16	90.8	1111		6.104007	
9	2	16	62.9	1000		6.815874	
10	1	16	83.3			7.843498	
11	2	16	56.8	1479		8.503742	
12	3	16	89.3	1661	1203	9.691444	
13	2	16	65.4	1461		9.934607	
14	1	16	53.8			11.090766	
15	1	16	97.5			11.948948	

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	19	82.8	1232		0.648049	1
1	3	19	96.2	1386	1932	0.780897	
2	2	19	60.4	1700		2.117763	
3	3	19	93.6	1696	1853	2.885150	
4	1	19	56.5			3.032810	
5	3	19	84.0	1238	1877	4.388840	
6	3	19	79.2	1532	1777	4.672535	
7	2	19	55.4	1003		5.789414	
8	1	19	69.8			6.690529	
9	3	19	54.9	1023	1413	7.178005	
10	3	19	62.6	1498	1854	7.960807	
11	2	19	73.1	1403		8.662722	
12	2	19	76.7	1320		9.157436	
13	2	19	67.7	1114		10.040604	
14	1	19	53.3			11.124787	
15	1	19	73.0			11.953485	

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	14	69.8	1700		0.093681	
1	1	14	52.6			1.382897	
2	3	14	52.3	1950	1882	1.783622	
3	2	14	71.2	1571		2.674032	
4	2	14	63.4	1391		3.466335	
5	3	14	96.0	1359	1506	3.789071	
6	3	14	63.0	1711	1421	4.580012	
7	3	14	79.9	1970	1912	5.519323	
8	2	14	74.6	1911		6.066058	1
9	2	14	72.2	1890		6.716883	
10	1	14	82.3			7.143590	
11	2	14	58.2	1888		8.374632	
12	2	14	88.9	1454		8.943907	
13	3	14	64.4	1794	1962	9.443702	
14	3	14	78.8	1207	1161	10.209588	
15	2	14	93.0	1900		10.596447	
16	1	14	94.4			11.842603	

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	68.8	1116	1114	0.225981	
1	2	19	64.5	1462		0.842500	
2	2	19	85.2	1765		1.538729	
3	2	19	54.6	1567		2.319296	
4	2	19	82.7	1430		2.552247	
5	2	19	78.7	1898		3.695268	
6	3	19	79.9	1842	1339	4.235811	
7	3	19	58.0	1771	1232	4.738706	
8	1	19	67.9			5.655423	
9	3	19	58.4	1198	1238	6.196237	1
10	2	19	63.1	1643		6.688362	
11	1	19	93.2			7.482344	
12	2	19	79.9	1154		8.069313	
13	3	19	80.6	1287	1529	8.343585	
14	2	19	93.2	1077		9.436935	
15	1	19	76.1			9.833144	
16	2	19	91.7	1654		10.511320	
17	3	19	57.8	1062	1468	11.061415	
18	2	19	66.1	1304		11.955697	

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	5	73.0	1479		0.215614	
1	3	5	77.9	1574	1810	0.833603	
2	2	5	92.1	1700		1.684552	
3	1	5	78.0			1.938784	
4	3	5	51.6	1248	1944	3.090846	
5	2	5	76.1	1237		3.751948	
6	2	5	83.9	1999		4.291562	
7	3	5	67.8	1535	1260	4.619809	
8	2	5	55.3	1171		5.452808	
9	2	5	82.9	1126		6.179025	1
10	3	5	85.0	1143	1089	6.850506	
11	3	5	50.8	1789	1635	7.000732	
12	2	5	57.6	1525		7.695241	
13	3	5	85.9	1409	1438	8.769541	
14	1	5	62.6			9.292413	
15	1	5	93.6			9.850510	
16	2	5	97.8	1730		10.155766	
17	1	5	75.4			11.114830	
18	2	5	89.6	1457		11.391376	

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	7	82.1	1028		0.736876	1
1	1	7	78.6			0.924697	
2	1	7	97.2			1.811896	
3	3	7	63.4	1943	1215	2.373388	
4	1	7	74.2			3.022307	
5	2	7	69.0	1334		3.942413	
6	2	7	63.9	1916		4.899731	
7	1	7	93.2			5.291000	
8	2	7	74.7	1136		6.535688	
9	2	7	92.6	1538		6.981644	
10	1	7	58.1			7.760040	
11	3	7	94.1	1353	1800	8.939567	
12	3	7	81.4	1940	1337	9.524809	
13	2	7	63.8	1217		10.322254	
14	1	7	91.3			10.602484	
15	2	7	51.1	1508		11.890207	

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	1	6	64.0			0.334511	
1	1	6	76.5			1.126718	
2	2	6	80.1	1998		1.434161	
3	3	6	54.7	1231	1636	2.014191	
4	1	6	70.8			3.048736	
5	2	6	70.4	1224		3.443761	
6	2	6	77.4	1943		4.083085	
7	2	6	82.9	1600		4.837346	
8	2	6	93.9	1058		5.555427	
9	3	6	56.1	1882	1296	5.775931	1
10	2	6	80.4	1520		6.659772	
11	2	6	97.2	1346		6.984973	
12	2	6	66.4	1473		7.587384	
13	2	6	66.4	1803		8.833870	
14	2	6	77.6	1597		8.848908	
15	3	6	77.6	1468	1149	9.881082	
16	2	6	84.9	1063		10.226394	
17	1	6	52.5			10.824248	
18	2	6	95.1	1734		11.536463	

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	6	72.0	1874		0.548256	
1	2	6	82.4	1853		1.770462	
2	1	6	56.1			2.546420	
3	1	6	56.4			3.377276	
4	2	6	99.6	1523		5.384779	
5	1	6	93.3			5.535732	1
6	1	6	61.3			7.629373	
7	2	6	62.4	1435		8.615533	
8	3	6	94.3	1553	1025	8.774436	
9	2	6	55.7	1778		10.540404	
10	3	6	60.6	1454	1935	11.132220	

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	18	50.2	1454		0.344333	
1	1	18	70.2			1.710884	
2	2	18	68.0	1807		3.364428	
3	3	18	74.3	1244	1516	3.837117	
4	2	18	60.8	1850		5.400451	
5	2	18	72.2	1148		6.868587	1
6	3	18	64.3	1042	1781	8.181697	
7	2	18	89.6	1065		8.903989	
8	2	18	97.2	1420		10.700230	
9	2	18	96.9	1848		11.403769	

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	15	82.3	1125		0.154442	1
1	2	15	54.7	1268		1.315477	
2	1	15	64.2			2.587892	
3	2	15	88.4	1873		3.417471	
4	2	15	93.5	1115		4.757337	
5	2	15	57.5	1941		5.556877	
6	3	15	56.1	1011	1458	6.800796	
7	2	15	99.8	1186		7.217581	
8	2	15	87.4	1722		8.726939	
9	2	15	57.2	1437		9.683114	
10	2	15	75.1	1946		10.694366	
11	1	15	59.1			11.269381	

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	62.9			1.072097	1
1	3	17	57.7	1372	1823	1.410804	
2	1	17	89.0			3.518988	
3	3	17	96.9	1290	1249	4.742607	
4	1	17	94.1			5.557407	
5	1	17	81.6			6.810077	
6	2	17	97.3	1992		8.102082	
7	2	17	66.0	1090		10.084986	
8	3	17	70.6	1812	1726	11.145230	

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	10	66.8	1010	1605	0.424321	
1	1	10	80.4			1.828871	
2	2	10	75.5	1411		2.016217	
3	2	10	91.4	1723		3.610252	
4	2	10	54.6	1145		4.462537	
5	1	10	54.1			4.792543	
6	2	10	67.2	1863		5.964544	1
7	2	10	98.4	1019		7.125054	
8	3	10	78.5	1855	1470	8.220112	
9	1	10	55.7			9.098300	
10	1	10	53.3			9.404818	
11	2	10	66.5	1661		10.303722	
12	3	10	90.3	1713	1980	11.206532	

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	20	99.3			0.395263	
1	3	20	83.2	1560	1335	1.706864	
2	3	20	62.1	1193	1536	3.124132	
3	2	20	78.1	1922		3.906612	
4	3	20	59.4	1411	1519	5.747983	
5	2	20	97.7	1753		6.285116	1
6	2	20	72.2	1151		7.558431	
7	1	20	95.2			9.036943	
8	2	20	68.6	1419		9.951212	
9	1	20	77.9			11.646043	

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	5	85.5	1882		0.349939	
1	2	5	83.4	1646		0.817413	
2	3	5	84.1	1309	1187	1.806193	
3	1	5	92.5			2.668338	
4	1	5	85.8			3.258446	
5	3	5	74.8	1139	1610	4.751578	
6	1	5	64.2			5.508675	
7	2	5	70.7	1223		5.645231	1
8	1	5	66.3			6.841352	
9	1	5	73.3			7.211691	
10	2	5	87.2	1871		8.704992	
11	1	5	72.6			8.947388	
12	2	5	68.3	1647		10.070873	
13	1	5	50.1			10.435364	
14	2	5	78.2	1533		11.828849	

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	5320.0, 5372.0, 5600.0, 5715.0, 5691.0, 5402.0, 5464.0, 5571.0, 5720.0, 5700.0, 5617.0, 5680.0, 5532.0, 5677.0, 5412.0, 5406.0, 5383.0, 5517.0, 5394.0, 5308.0, 5539.0, 5544.0, 5274.0, 5303.0, 5684.0, 5432.0, 5716.0, 5480.0, 5445.0, 5688.0, 5279.0, 5585.0, 5612.0, 5397.0, 5408.0, 5530.0, 5344.0, 5553.0, 5624.0, 5339.0, 5723.0, 5618.0, 5602.0, 5638.0, 5417.0, 5332.0, 5436.0, 5643.0, 5531.0, 5284.0, 5722.0, 5663.0, 5435.0, 5457.0, 5446.0, 5604.0, 5306.0, 5373.0, 5438.0, 5693.0, 5596.0, 5317.0, 5388.0, 5429.0, 5423.0, 5485.0, 5409.0, 5335.0, 5598.0, 5453.0, 5455.0, 5377.0, 5309.0, 5400.0, 5562.0, 5556.0, 5319.0, 5647.0, 5493.0, 5325.0, 5678.0, 5326.0, 5505.0, 5661.0, 5578.0, 5718.0, 5389.0, 5439.0, 5569.0, 5486.0, 5538.0, 5323.0, 5646.0, 5482.0, 5463.0, 5386.0, 5287.0, 5302.0, 5313.0, 5459.0 (number of hits: 12)
2	5530.0	9	1.0	333	1	5386.0, 5683.0, 5372.0, 5509.0, 5426.0, 5646.0, 5512.0, 5697.0, 5690.0, 5276.0, 5464.0, 5430.0, 5658.0, 5595.0, 5638.0, 5377.0, 5382.0, 5645.0, 5340.0, 5533.0, 5281.0, 5564.0, 5300.0, 5449.0, 5613.0, 5373.0, 5328.0, 5420.0, 5270.0, 5673.0, 5366.0, 5610.0, 5297.0, 5710.0, 5538.0, 5370.0, 5689.0, 5539.0, 5279.0, 5400.0, 5574.0, 5649.0, 5670.0, 5333.0, 5656.0, 5642.0, 5714.0, 5669.0, 5375.0, 5559.0, 5536.0, 5380.0, 5488.0, 5358.0, 5332.0, 5283.0, 5427.0, 5561.0, 5394.0, 5289.0, 5588.0, 5277.0, 5698.0, 5495.0, 5456.0, 5524.0, 5282.0, 5288.0, 5611.0, 5344.0, 5668.0, 5487.0, 5537.0, 5511.0, 5475.0, 5490.0, 5451.0, 5718.0, 5639.0, 5306.0, 5367.0, 5655.0, 5513.0, 5615.0, 5671.0, 5604.0, 5439.0, 5395.0, 5364.0, 5458.0, 5605.0, 5696.0, 5450.0, 5307.0, 5422.0, 5607.0, 5401.0, 5520.0, 5325.0, 5415.0 (number of hits: 15)
3	5530.0	9	1.0	333	1	5420.0, 5632.0, 5413.0, 5712.0, 5585.0, 5396.0, 5534.0, 5372.0, 5596.0, 5460.0, 5669.0, 5529.0, 5497.0, 5501.0, 5592.0, 5528.0, 5268.0, 5591.0, 5343.0, 5645.0, 5307.0, 5476.0, 5459.0, 5710.0, 5514.0, 5639.0, 5384.0, 5594.0, 5603.0, 5470.0, 5394.0, 5717.0, 5410.0, 5272.0, 5658.0, 5653.0, 5642.0, 5708.0, 5374.0, 5267.0, 5683.0, 5536.0, 5356.0, 5516.0, 5557.0, 5276.0, 5590.0, 5414.0, 5408.0, 5339.0, 5287.0, 5564.0, 5373.0, 5623.0, 5329.0, 5477.0, 5629.0, 5404.0, 5586.0, 5716.0, 5422.0, 5417.0, 5660.0, 5250.0, 5406.0, 5679.0, 5638.0, 5306.0, 5630.0, 5633.0, 5379.0, 5411.0, 5521.0, 5377.0, 5656.0, 5504.0, 5696.0, 5599.0, 5646.0, 5301.0, 5280.0, 5709.0, 5318.0, 5544.0, 5714.0, 5328.0, 5464.0, 5286.0, 5474.0, 5326.0, 5393.0, 5429.0, 5600.0, 5479.0, 5426.0, 5667.0, 5387.0, 5622.0, 5518.0, 5615.0 (number of hits: 14)
4	5530.0	9	1.0	333	1	5601.0, 5715.0, 5710.0, 5384.0, 5461.0, 5688.0, 5514.0, 5716.0, 5569.0, 5282.0, 5540.0, 5364.0, 5472.0, 5289.0, 5291.0, 5648.0, 5419.0, 5627.0, 5606.0, 5686.0, 5512.0, 5682.0, 5325.0, 5354.0, 5455.0, 5522.0, 5674.0, 5543.0, 5284.0, 5499.0, 5530.0, 5618.0, 5376.0, 5318.0, 5504.0, 5481.0, 5401.0, 5323.0, 5553.0, 5301.0, 5693.0, 5572.0, 5272.0, 5479.0, 5468.0, 5404.0, 5598.0, 5694.0, 5635.0, 5375.0, 5328.0, 5480.0, 5714.0, 5484.0, 5344.0, 5667.0, 5649.0, 5621.0, 5473.0, 5579.0, 5438.0, 5254.0, 5309.0, 5277.0, 5643.0, 5450.0, 5547.0, 5523.0, 5558.0, 5259.0, 5647.0, 5471.0, 5541.0, 5362.0, 5588.0, 5358.0, 5665.0, 5390.0, 5687.0, 5633.0, 5614.0, 5260.0, 5253.0, 5380.0, 5663.0, 5317.0, 5696.0, 5366.0, 5642.0, 5314.0, 5664.0, 5437.0, 5509.0, 5266.0, 5602.0, 5646.0, 5355.0, 5666.0, 5501.0, 5428.0 (number of hits: 15)
5	5530.0	9	1.0	333	1	5507.0, 5458.0, 5652.0, 5722.0, 5565.0, 5522.0, 5687.0, 5312.0, 5707.0, 5553.0, 5697.0, 5717.0, 5366.0, 5597.0, 5563.0, 5695.0, 5367.0, 5441.0, 5405.0, 5432.0, 5456.0, 5595.0, 5637.0, 5434.0, 5572.0, 5284.0, 5528.0, 5311.0, 5709.0, 5534.0, 5533.0, 5524.0,

						5385.0, 5254.0, 5568.0, 5644.0, 5712.0, 5259.0, 5598.0, 5430.0, 5509.0, 5473.0, 5371.0, 5688.0, 5609.0, 5683.0, 5450.0, 5574.0, 5558.0, 5265.0, 5397.0, 5330.0, 5718.0, 5381.0, 5352.0, 5438.0, 5465.0, 5471.0, 5514.0, 5494.0, 5617.0, 5453.0, 5464.0, 5666.0, 5455.0, 5491.0, 5599.0, 5498.0, 5538.0, 5400.0, 5686.0, 5602.0, 5424.0, 5325.0, 5490.0, 5300.0, 5584.0, 5412.0, 5573.0, 5672.0, 5650.0, 5460.0, 5328.0, 5497.0, 5516.0, 5401.0, 5581.0, 5588.0, 5621.0, 5317.0, 5632.0, 5510.0, 5474.0, 5302.0, 5349.0, 5360.0, 5613.0, 5571.0, 5670.0, 5427.0 (number of hits: 18)
6	5530.0	9	1.0	333	1	5421.0, 5277.0, 5319.0, 5262.0, 5366.0, 5432.0, 5555.0, 5495.0, 5410.0, 5347.0, 5641.0, 5442.0, 5465.0, 5274.0, 5686.0, 5532.0, 5689.0, 5310.0, 5699.0, 5562.0, 5265.0, 5655.0, 5345.0, 5518.0, 5317.0, 5633.0, 5290.0, 5603.0, 5472.0, 5582.0, 5612.0, 5559.0, 5385.0, 5505.0, 5307.0, 5279.0, 5384.0, 5521.0, 5343.0, 5475.0, 5584.0, 5659.0, 5697.0, 5643.0, 5500.0, 5258.0, 5702.0, 5706.0, 5664.0, 5467.0, 5293.0, 5507.0, 5492.0, 5588.0, 5625.0, 5616.0, 5479.0, 5570.0, 5305.0, 5480.0, 5719.0, 5516.0, 5306.0, 5591.0, 5637.0, 5716.0, 5594.0, 5519.0, 5497.0, 5452.0, 5448.0, 5541.0, 5299.0, 5574.0, 5436.0, 5346.0, 5676.0, 5423.0, 5687.0, 5470.0, 5344.0, 5711.0, 5653.0, 5631.0, 5326.0, 5284.0, 5561.0, 5438.0, 5554.0, 5714.0, 5304.0, 5351.0, 5635.0, 5494.0, 5552.0, 5444.0, 5548.0, 5386.0, 5357.0, 5585.0 (number of hits: 20)
7	5530.0	9	1.0	333	1	5658.0, 5447.0, 5354.0, 5564.0, 5563.0, 5578.0, 5588.0, 5708.0, 5647.0, 5365.0, 5511.0, 5687.0, 5661.0, 5507.0, 5594.0, 5485.0, 5349.0, 5519.0, 5556.0, 5412.0, 5547.0, 5660.0, 5664.0, 5257.0, 5472.0, 5529.0, 5353.0, 5455.0, 5326.0, 5291.0, 5698.0, 5602.0, 5470.0, 5636.0, 5357.0, 5583.0, 5456.0, 5373.0, 5639.0, 5597.0, 5458.0, 5265.0, 5414.0, 5347.0, 5284.0, 5280.0, 5287.0, 5576.0, 5448.0, 5711.0, 5444.0, 5627.0, 5374.0, 5336.0, 5700.0, 5467.0, 5653.0, 5438.0, 5451.0, 5304.0, 5468.0, 5442.0, 5720.0, 5441.0, 5612.0, 5361.0, 5616.0, 5584.0, 5384.0, 5369.0, 5568.0, 5473.0, 5679.0, 5640.0, 5286.0, 5496.0, 5688.0, 5532.0, 5328.0, 5666.0, 5683.0, 5449.0, 5676.0, 5517.0, 5605.0, 5704.0, 5550.0, 5579.0, 5411.0, 5476.0, 5714.0, 5312.0, 5452.0, 5406.0, 5537.0, 5480.0, 5430.0, 5562.0, 5340.0, 5631.0 (number of hits: 14)
8	5530.0	9	1.0	333	1	5349.0, 5312.0, 5333.0, 5632.0, 5660.0, 5269.0, 5380.0, 5476.0, 5395.0, 5494.0, 5522.0, 5445.0, 5288.0, 5589.0, 5552.0, 5501.0, 5500.0, 5375.0, 5719.0, 5306.0, 5672.0, 5723.0, 5663.0, 5274.0, 5330.0, 5640.0, 5295.0, 5642.0, 5370.0, 5718.0, 5321.0, 5502.0, 5322.0, 5605.0, 5548.0, 5283.0, 5489.0, 5419.0, 5336.0, 5273.0, 5583.0, 5438.0, 5686.0, 5669.0, 5405.0, 5318.0, 5618.0, 5646.0, 5650.0, 5491.0, 5338.0, 5391.0, 5402.0, 5457.0, 5263.0, 5325.0, 5575.0, 5668.0, 5347.0, 5626.0, 5540.0, 5656.0, 5524.0, 5695.0, 5715.0, 5265.0, 5382.0, 5400.0, 5281.0, 5598.0, 5352.0, 5271.0, 5555.0, 5389.0, 5556.0, 5287.0, 5282.0, 5472.0, 5427.0, 5268.0, 5299.0, 5707.0, 5582.0, 5256.0, 5610.0, 5436.0, 5512.0, 5563.0, 5619.0, 5257.0, 5440.0, 5641.0, 5450.0, 5411.0, 5417.0, 5483.0, 5315.0, 5294.0, 5515.0, 5526.0 (number of hits: 15)
9	5530.0	9	1.0	333	1	5318.0, 5654.0, 5606.0, 5647.0, 5650.0, 5409.0, 5624.0, 5684.0, 5629.0, 5669.0, 5334.0, 5364.0, 5583.0, 5512.0, 5668.0, 5353.0, 5448.0, 5367.0, 5645.0, 5628.0, 5541.0, 5307.0, 5605.0, 5701.0, 5657.0, 5483.0, 5604.0, 5506.0, 5563.0, 5708.0, 5484.0, 5634.0, 5429.0, 5397.0, 5513.0, 5369.0, 5637.0, 5664.0, 5434.0, 5556.0, 5572.0, 5686.0, 5566.0, 5505.0, 5418.0, 5403.0, 5631.0, 5348.0, 5338.0, 5626.0, 5400.0, 5721.0, 5299.0, 5414.0, 5522.0, 5352.0, 5515.0, 5659.0, 5683.0, 5342.0, 5293.0, 5722.0, 5704.0, 5597.0, 5543.0, 5641.0, 5517.0, 5261.0, 5433.0, 5630.0, 5612.0, 5481.0, 5455.0, 5712.0, 5450.0, 5480.0, 5570.0, 5415.0, 5618.0, 5636.0, 5339.0, 5547.0, 5410.0, 5323.0, 5473.0, 5627.0, 5580.0, 5432.0, 5308.0, 5404.0, 5474.0, 5635.0, 5475.0, 5431.0, 5275.0, 5713.0, 5619.0, 5577.0, 5456.0, 5706.0 (number of hits: 13)
10	5530.0	9	1.0	333	1	5321.0, 5350.0, 5480.0, 5626.0, 5265.0, 5569.0, 5333.0, 5558.0,

						5546.0, 5345.0, 5275.0, 5521.0, 5318.0, 5280.0, 5590.0, 5340.0, 5448.0, 5617.0, 5515.0, 5433.0, 5406.0, 5418.0, 5674.0, 5533.0, 5347.0, 5514.0, 5635.0, 5660.0, 5490.0, 5303.0, 5363.0, 5711.0, 5501.0, 5699.0, 5694.0, 5424.0, 5649.0, 5256.0, 5542.0, 5574.0, 5484.0, 5615.0, 5313.0, 5525.0, 5537.0, 5499.0, 5667.0, 5583.0, 5551.0, 5622.0, 5438.0, 5632.0, 5653.0, 5323.0, 5322.0, 5483.0, 5498.0, 5669.0, 5370.0, 5330.0, 5273.0, 5315.0, 5688.0, 5675.0, 5673.0, 5300.0, 5460.0, 5529.0, 5683.0, 5476.0, 5308.0, 5547.0, 5601.0, 5586.0, 5417.0, 5562.0, 5328.0, 5530.0, 5390.0, 5461.0, 5642.0, 5402.0, 5401.0, 5508.0, 5724.0, 5652.0, 5685.0, 5272.0, 5437.0, 5294.0, 5708.0, 5648.0, 5701.0, 5575.0, 5305.0, 5332.0, 5464.0, 5302.0, 5441.0, 5703.0 (number of hits: 18)
11	5530.0	9	1.0	333	1	5414.0, 5330.0, 5324.0, 5524.0, 5635.0, 5436.0, 5280.0, 5400.0, 5423.0, 5561.0, 5623.0, 5379.0, 5713.0, 5458.0, 5449.0, 5462.0, 5590.0, 5404.0, 5428.0, 5550.0, 5265.0, 5337.0, 5536.0, 5588.0, 5473.0, 5624.0, 5523.0, 5610.0, 5253.0, 5356.0, 5720.0, 5430.0, 5548.0, 5625.0, 5668.0, 5485.0, 5539.0, 5657.0, 5529.0, 5601.0, 5593.0, 5437.0, 5582.0, 5454.0, 5365.0, 5300.0, 5576.0, 5680.0, 5663.0, 5390.0, 5634.0, 5461.0, 5460.0, 5373.0, 5439.0, 5272.0, 5639.0, 5654.0, 5626.0, 5581.0, 5459.0, 5405.0, 5418.0, 5441.0, 5505.0, 5543.0, 5651.0, 5694.0, 5326.0, 5698.0, 5571.0, 5532.0, 5508.0, 5395.0, 5618.0, 5681.0, 5419.0, 5478.0, 5267.0, 5670.0, 5661.0, 5392.0, 5658.0, 5413.0, 5450.0, 5497.0, 5321.0, 5697.0, 5308.0, 5662.0, 5276.0, 5502.0, 5490.0, 5376.0, 5260.0, 5336.0, 5723.0, 5339.0, 5342.0, 5499.0 (number of hits: 15)
12	5530.0	9	1.0	333	1	5448.0, 5490.0, 5504.0, 5300.0, 5494.0, 5590.0, 5514.0, 5571.0, 5649.0, 5487.0, 5274.0, 5380.0, 5553.0, 5419.0, 5647.0, 5288.0, 5609.0, 5718.0, 5260.0, 5613.0, 5659.0, 5602.0, 5327.0, 5318.0, 5701.0, 5575.0, 5454.0, 5350.0, 5682.0, 5516.0, 5629.0, 5477.0, 5708.0, 5265.0, 5565.0, 5676.0, 5688.0, 5505.0, 5392.0, 5546.0, 5658.0, 5679.0, 5262.0, 5525.0, 5403.0, 5686.0, 5640.0, 5431.0, 5360.0, 5369.0, 5470.0, 5299.0, 5314.0, 5323.0, 5680.0, 5624.0, 5346.0, 5668.0, 5388.0, 5377.0, 5605.0, 5307.0, 5673.0, 5526.0, 5421.0, 5530.0, 5433.0, 5614.0, 5554.0, 5457.0, 5363.0, 5353.0, 5441.0, 5584.0, 5589.0, 5660.0, 5693.0, 5449.0, 5356.0, 5316.0, 5502.0, 5357.0, 5251.0, 5432.0, 5409.0, 5425.0, 5626.0, 5373.0, 5537.0, 5662.0, 5583.0, 5479.0, 5426.0, 5536.0, 5511.0, 5585.0, 5359.0, 5621.0, 5512.0, 5570.0 (number of hits: 17)
13	5530.0	9	1.0	333	1	5269.0, 5684.0, 5379.0, 5530.0, 5656.0, 5652.0, 5564.0, 5626.0, 5451.0, 5611.0, 5436.0, 5550.0, 5419.0, 5581.0, 5278.0, 5607.0, 5494.0, 5497.0, 5619.0, 5403.0, 5435.0, 5294.0, 5633.0, 5351.0, 5329.0, 5301.0, 5457.0, 5287.0, 5689.0, 5418.0, 5645.0, 5328.0, 5566.0, 5585.0, 5631.0, 5377.0, 5667.0, 5510.0, 5344.0, 5715.0, 5672.0, 5461.0, 5680.0, 5507.0, 5606.0, 5330.0, 5565.0, 5724.0, 5520.0, 5404.0, 5312.0, 5567.0, 5411.0, 5694.0, 5437.0, 5685.0, 5558.0, 5654.0, 5500.0, 5683.0, 5356.0, 5493.0, 5502.0, 5525.0, 5665.0, 5397.0, 5335.0, 5503.0, 5601.0, 5595.0, 5274.0, 5521.0, 5605.0, 5628.0, 5499.0, 5455.0, 5255.0, 5272.0, 5677.0, 5355.0, 5428.0, 5460.0, 5388.0, 5296.0, 5612.0, 5602.0, 5323.0, 5416.0, 5483.0, 5429.0, 5297.0, 5360.0, 5442.0, 5280.0, 5529.0, 5321.0, 5617.0, 5580.0, 5711.0, 5357.0 (number of hits: 20)
14	5530.0	9	1.0	333	1	5434.0, 5346.0, 5563.0, 5349.0, 5584.0, 5600.0, 5396.0, 5290.0, 5537.0, 5614.0, 5273.0, 5503.0, 5699.0, 5438.0, 5650.0, 5606.0, 5541.0, 5593.0, 5587.0, 5556.0, 5555.0, 5417.0, 5263.0, 5631.0, 5414.0, 5335.0, 5403.0, 5420.0, 5482.0, 5257.0, 5305.0, 5596.0, 5694.0, 5502.0, 5616.0, 5284.0, 5336.0, 5375.0, 5386.0, 5594.0, 5618.0, 5365.0, 5287.0, 5674.0, 5418.0, 5632.0, 5384.0, 5459.0, 5382.0, 5280.0, 5713.0, 5435.0, 5719.0, 5605.0, 5544.0, 5495.0, 5323.0, 5524.0, 5378.0, 5673.0, 5566.0, 5604.0, 5474.0, 5269.0, 5343.0, 5352.0, 5475.0, 5505.0, 5640.0, 5409.0, 5498.0, 5298.0, 5691.0, 5572.0, 5532.0, 5577.0, 5464.0, 5289.0, 5504.0, 5500.0, 5518.0, 5490.0, 5286.0, 5347.0, 5484.0, 5320.0, 5615.0, 5534.0,

						5669.0, 5381.0, 5533.0, 5560.0, 5288.0, 5455.0, 5601.0, 5424.0, 5642.0, 5436.0, 5546.0, 5567.0 (number of hits: 22)
15	5530.0	9	1.0	333	1	5542.0, 5556.0, 5376.0, 5510.0, 5410.0, 5346.0, 5303.0, 5665.0, 5451.0, 5701.0, 5576.0, 5499.0, 5682.0, 5351.0, 5450.0, 5458.0, 5572.0, 5684.0, 5703.0, 5522.0, 5616.0, 5651.0, 5644.0, 5605.0, 5488.0, 5544.0, 5714.0, 5669.0, 5521.0, 5398.0, 5256.0, 5629.0, 5609.0, 5338.0, 5540.0, 5279.0, 5390.0, 5432.0, 5639.0, 5258.0, 5719.0, 5460.0, 5705.0, 5708.0, 5353.0, 5252.0, 5570.0, 5548.0, 5369.0, 5412.0, 5625.0, 5606.0, 5478.0, 5437.0, 5507.0, 5310.0, 5504.0, 5592.0, 5324.0, 5526.0, 5331.0, 5276.0, 5689.0, 5680.0, 5452.0, 5534.0, 5365.0, 5561.0, 5520.0, 5487.0, 5716.0, 5385.0, 5393.0, 5342.0, 5566.0, 5413.0, 5646.0, 5440.0, 5687.0, 5299.0, 5568.0, 5467.0, 5263.0, 5588.0, 5564.0, 5506.0, 5582.0, 5578.0, 5575.0, 5316.0, 5491.0, 5551.0, 5304.0, 5558.0, 5497.0, 5574.0, 5631.0, 5266.0, 5527.0, 5431.0 (number of hits: 22)
16	5530.0	9	1.0	333	1	5720.0, 5509.0, 5430.0, 5403.0, 5668.0, 5408.0, 5658.0, 5457.0, 5613.0, 5474.0, 5310.0, 5635.0, 5634.0, 5667.0, 5333.0, 5578.0, 5687.0, 5488.0, 5448.0, 5538.0, 5501.0, 5627.0, 5555.0, 5366.0, 5495.0, 5585.0, 5475.0, 5540.0, 5452.0, 5661.0, 5694.0, 5496.0, 5719.0, 5367.0, 5652.0, 5666.0, 5337.0, 5260.0, 5640.0, 5440.0, 5272.0, 5582.0, 5318.0, 5576.0, 5571.0, 5305.0, 5617.0, 5411.0, 5359.0, 5706.0, 5547.0, 5682.0, 5556.0, 5350.0, 5535.0, 5439.0, 5546.0, 5646.0, 5425.0, 5513.0, 5506.0, 5434.0, 5664.0, 5353.0, 5406.0, 5718.0, 5336.0, 5598.0, 5412.0, 5622.0, 5669.0, 5382.0, 5505.0, 5340.0, 5557.0, 5304.0, 5394.0, 5470.0, 5453.0, 5697.0, 5614.0, 5525.0, 5321.0, 5483.0, 5674.0, 5374.0, 5520.0, 5515.0, 5402.0, 5548.0, 5343.0, 5373.0, 5459.0, 5511.0, 5298.0, 5306.0, 5621.0, 5705.0, 5647.0, 5451.0 (number of hits: 20)
17	5530.0	9	1.0	333	1	5677.0, 5585.0, 5440.0, 5431.0, 5516.0, 5604.0, 5300.0, 5400.0, 5250.0, 5340.0, 5385.0, 5695.0, 5617.0, 5339.0, 5618.0, 5655.0, 5718.0, 5303.0, 5393.0, 5437.0, 5293.0, 5623.0, 5701.0, 5369.0, 5630.0, 5680.0, 5566.0, 5374.0, 5257.0, 5283.0, 5327.0, 5633.0, 5444.0, 5310.0, 5274.0, 5335.0, 5599.0, 5425.0, 5511.0, 5336.0, 5430.0, 5620.0, 5359.0, 5615.0, 5569.0, 5635.0, 5573.0, 5318.0, 5395.0, 5304.0, 5609.0, 5644.0, 5652.0, 5537.0, 5612.0, 5323.0, 5649.0, 5334.0, 5529.0, 5553.0, 5614.0, 5295.0, 5450.0, 5432.0, 5699.0, 5570.0, 5501.0, 5641.0, 5668.0, 5667.0, 5350.0, 5375.0, 5480.0, 5596.0, 5278.0, 5509.0, 5403.0, 5519.0, 5606.0, 5271.0, 5538.0, 5588.0, 5435.0, 5338.0, 5372.0, 5621.0, 5539.0, 5540.0, 5696.0, 5686.0, 5331.0, 5688.0, 5412.0, 5471.0, 5598.0, 5291.0, 5333.0, 5619.0, 5377.0, 5709.0 (number of hits: 12)
18	5530.0	9	1.0	333	1	5569.0, 5552.0, 5437.0, 5501.0, 5425.0, 5709.0, 5698.0, 5308.0, 5512.0, 5670.0, 5444.0, 5263.0, 5596.0, 5337.0, 5524.0, 5593.0, 5261.0, 5310.0, 5410.0, 5554.0, 5259.0, 5599.0, 5423.0, 5323.0, 5700.0, 5682.0, 5262.0, 5542.0, 5684.0, 5719.0, 5564.0, 5275.0, 5351.0, 5341.0, 5701.0, 5720.0, 5580.0, 5521.0, 5522.0, 5541.0, 5653.0, 5494.0, 5414.0, 5591.0, 5621.0, 5721.0, 5298.0, 5402.0, 5679.0, 5385.0, 5291.0, 5439.0, 5628.0, 5362.0, 5485.0, 5428.0, 5586.0, 5647.0, 5610.0, 5514.0, 5280.0, 5266.0, 5608.0, 5253.0, 5722.0, 5667.0, 5646.0, 5333.0, 5557.0, 5711.0, 5286.0, 5561.0, 5416.0, 5642.0, 5377.0, 5435.0, 5475.0, 5517.0, 5447.0, 5699.0, 5489.0, 5669.0, 5662.0, 5438.0, 5396.0, 5710.0, 5638.0, 5620.0, 5355.0, 5712.0, 5415.0, 5603.0, 5518.0, 5407.0, 5650.0, 5303.0, 5578.0, 5470.0, 5507.0, 5583.0 (number of hits: 17)
19	5530.0	9	1.0	333	1	5330.0, 5593.0, 5708.0, 5487.0, 5541.0, 5259.0, 5515.0, 5350.0, 5338.0, 5467.0, 5527.0, 5497.0, 5300.0, 5680.0, 5580.0, 5585.0, 5370.0, 5431.0, 5500.0, 5488.0, 5468.0, 5523.0, 5451.0, 5357.0, 5484.0, 5392.0, 5617.0, 5464.0, 5462.0, 5277.0, 5540.0, 5454.0, 5271.0, 5381.0, 5698.0, 5563.0, 5710.0, 5685.0, 5514.0, 5506.0, 5554.0, 5378.0, 5504.0, 5706.0, 5630.0, 5272.0, 5334.0, 5256.0, 5498.0, 5490.0, 5478.0, 5275.0, 5723.0, 5595.0, 5372.0, 5420.0, 5668.0, 5576.0, 5719.0, 5434.0, 5477.0, 5264.0, 5583.0, 5528.0,

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20	5530.0	9	1.0	333	1	5520.0, 5711.0, 5312.0, 5553.0, 5703.0, 5568.0, 5370.0, 5467.0, 5525.0, 5686.0, 5376.0, 5666.0, 5579.0, 5318.0, 5295.0, 5609.0, 5263.0, 5685.0, 5300.0, 5454.0, 5406.0, 5602.0, 5381.0, 5708.0, 5622.0, 5424.0, 5714.0, 5587.0, 5552.0, 5538.0, 5448.0, 5305.0, 5299.0, 5651.0, 5341.0, 5427.0, 5653.0, 5313.0, 5372.0, 5275.0, 5468.0, 5308.0, 5428.0, 5306.0, 5501.0, 5674.0, 5508.0, 5506.0, 5460.0, 5660.0, 5524.0, 5556.0, 5327.0, 5404.0, 5526.0, 5331.0, 5380.0, 5488.0, 5273.0, 5301.0, 5576.0, 5391.0, 5672.0, 5511.0, 5343.0, 5522.0, 5266.0, 5534.0, 5614.0, 5681.0, 5293.0, 5377.0, 5415.0, 5691.0, 5289.0, 5626.0, 5270.0, 5272.0, 5583.0, 5435.0, 5283.0, 5643.0, 5555.0, 5687.0, 5689.0, 5476.0, 5479.0, 5702.0, 5617.0, 5288.0, 5645.0, 5440.0, 5340.0, 5464.0, 5382.0, 5390.0, 5352.0, 5619.0, 5451.0, 5652.0 (number of hits: 15)
21	5530.0	9	1.0	333	1	5279.0, 5339.0, 5352.0, 5393.0, 5670.0, 5373.0, 5444.0, 5453.0, 5457.0, 5664.0, 5319.0, 5672.0, 5288.0, 5567.0, 5404.0, 5654.0, 5464.0, 5278.0, 5549.0, 5624.0, 5357.0, 5586.0, 5435.0, 5651.0, 5281.0, 5414.0, 5610.0, 5721.0, 5498.0, 5299.0, 5334.0, 5611.0, 5613.0, 5524.0, 5426.0, 5674.0, 5323.0, 5399.0, 5642.0, 5340.0, 5627.0, 5255.0, 5254.0, 5396.0, 5538.0, 5560.0, 5307.0, 5472.0, 5591.0, 5619.0, 5531.0, 5344.0, 5665.0, 5263.0, 5546.0, 5705.0, 5515.0, 5293.0, 5471.0, 5436.0, 5476.0, 5468.0, 5264.0, 5688.0, 5649.0, 5716.0, 5506.0, 5555.0, 5259.0, 5510.0, 5708.0, 5551.0, 5366.0, 5420.0, 5639.0, 5306.0, 5410.0, 5598.0, 5327.0, 5342.0, 5522.0, 5309.0, 5489.0, 5385.0, 5519.0, 5345.0, 5602.0, 5614.0, 5507.0, 5411.0, 5402.0, 5698.0, 5305.0, 5525.0, 5462.0, 5694.0, 5428.0, 5710.0, 5447.0, 5706.0 (number of hits: 17)
22	5530.0	9	1.0	333	1	5493.0, 5715.0, 5405.0, 5665.0, 5632.0, 5591.0, 5322.0, 5401.0, 5704.0, 5456.0, 5605.0, 5662.0, 5556.0, 5478.0, 5627.0, 5546.0, 5334.0, 5551.0, 5360.0, 5316.0, 5583.0, 5314.0, 5648.0, 5277.0, 5349.0, 5359.0, 5557.0, 5455.0, 5598.0, 5674.0, 5682.0, 5563.0, 5657.0, 5540.0, 5558.0, 5585.0, 5417.0, 5588.0, 5429.0, 5513.0, 5517.0, 5285.0, 5536.0, 5527.0, 5290.0, 5344.0, 5397.0, 5595.0, 5330.0, 5668.0, 5562.0, 5608.0, 5607.0, 5433.0, 5288.0, 5269.0, 5475.0, 5466.0, 5680.0, 5329.0, 5308.0, 5707.0, 5525.0, 5260.0, 5582.0, 5713.0, 5671.0, 5281.0, 5257.0, 5634.0, 5367.0, 5484.0, 5689.0, 5264.0, 5528.0, 5602.0, 5481.0, 5286.0, 5488.0, 5449.0, 5418.0, 5526.0, 5509.0, 5589.0, 5656.0, 5646.0, 5463.0, 5571.0, 5724.0, 5494.0, 5258.0, 5394.0, 5504.0, 5287.0, 5292.0, 5364.0, 5514.0, 5645.0, 5637.0, 5723.0 (number of hits: 20)
23	5530.0	9	1.0	333	1	5576.0, 5298.0, 5317.0, 5299.0, 5563.0, 5395.0, 5660.0, 5382.0, 5543.0, 5551.0, 5436.0, 5710.0, 5328.0, 5277.0, 5454.0, 5253.0, 5391.0, 5722.0, 5484.0, 5469.0, 5566.0, 5262.0, 5539.0, 5377.0, 5647.0, 5533.0, 5679.0, 5689.0, 5519.0, 5375.0, 5658.0, 5592.0, 5701.0, 5688.0, 5642.0, 5474.0, 5643.0, 5416.0, 5456.0, 5587.0, 5674.0, 5663.0, 5296.0, 5503.0, 5309.0, 5535.0, 5615.0, 5657.0, 5487.0, 5320.0, 5716.0, 5499.0, 5434.0, 5458.0, 5466.0, 5589.0, 5705.0, 5521.0, 5396.0, 5440.0, 5327.0, 5695.0, 5525.0, 5667.0, 5512.0, 5268.0, 5655.0, 5549.0, 5362.0, 5700.0, 5614.0, 5263.0, 5294.0, 5425.0, 5652.0, 5453.0, 5556.0, 5438.0, 5351.0, 5316.0, 5347.0, 5386.0, 5482.0, 5325.0, 5471.0, 5282.0, 5544.0, 5704.0, 5692.0, 5367.0, 5554.0, 5372.0, 5477.0, 5270.0, 5478.0, 5300.0, 5472.0, 5489.0, 5597.0, 5326.0 (number of hits: 17)
24	5530.0	9	1.0	333	1	5300.0, 5538.0, 5420.0, 5333.0, 5566.0, 5319.0, 5575.0, 5507.0, 5629.0, 5522.0, 5694.0, 5524.0, 5525.0, 5448.0, 5644.0, 5418.0, 5723.0, 5452.0, 5625.0, 5407.0, 5657.0, 5700.0, 5540.0, 5698.0, 5633.0, 5374.0, 5321.0, 5440.0, 5482.0, 5272.0, 5614.0, 5549.0, 5267.0, 5615.0, 5415.0, 5416.0, 5290.0, 5273.0, 5466.0, 5381.0,

						5389.0, 5366.0, 5385.0, 5269.0, 5304.0, 5258.0, 5434.0, 5278.0, 5712.0, 5607.0, 5672.0, 5536.0, 5541.0, 5675.0, 5636.0, 5388.0, 5664.0, 5412.0, 5320.0, 5395.0, 5662.0, 5665.0, 5257.0, 5354.0, 5638.0, 5380.0, 5455.0, 5631.0, 5289.0, 5431.0, 5488.0, 5312.0, 5373.0, 5480.0, 5719.0, 5573.0, 5681.0, 5471.0, 5293.0, 5590.0, 5493.0, 5468.0, 5404.0, 5622.0, 5656.0, 5465.0, 5706.0, 5563.0, 5689.0, 5499.0, 5302.0, 5707.0, 5506.0, 5508.0, 5305.0, 5377.0, 5447.0, 5408.0, 5605.0, 5604.0 (number of hits: 15)
25	5530.0	9	1.0	333	1	5286.0, 5595.0, 5611.0, 5445.0, 5416.0, 5541.0, 5358.0, 5452.0, 5371.0, 5566.0, 5716.0, 5521.0, 5717.0, 5498.0, 5556.0, 5494.0, 5537.0, 5380.0, 5654.0, 5275.0, 5505.0, 5670.0, 5484.0, 5685.0, 5603.0, 5319.0, 5369.0, 5660.0, 5476.0, 5348.0, 5481.0, 5719.0, 5415.0, 5456.0, 5314.0, 5581.0, 5267.0, 5293.0, 5593.0, 5599.0, 5251.0, 5352.0, 5259.0, 5666.0, 5582.0, 5479.0, 5500.0, 5279.0, 5454.0, 5609.0, 5257.0, 5477.0, 5584.0, 5395.0, 5436.0, 5379.0, 5520.0, 5673.0, 5559.0, 5642.0, 5273.0, 5287.0, 5693.0, 5408.0, 5516.0, 5629.0, 5328.0, 5506.0, 5465.0, 5621.0, 5527.0, 5429.0, 5346.0, 5681.0, 5639.0, 5534.0, 5677.0, 5468.0, 5291.0, 5658.0, 5457.0, 5507.0, 5453.0, 5502.0, 5362.0, 5254.0, 5604.0, 5704.0, 5557.0, 5724.0, 5630.0, 5281.0, 5326.0, 5632.0, 5304.0, 5714.0, 5342.0, 5419.0, 5403.0, 5688.0 (number of hits: 18)
26	5530.0	9	1.0	333	1	5618.0, 5314.0, 5320.0, 5421.0, 5601.0, 5466.0, 5415.0, 5371.0, 5536.0, 5599.0, 5582.0, 5702.0, 5337.0, 5323.0, 5591.0, 5375.0, 5630.0, 5593.0, 5676.0, 5443.0, 5358.0, 5638.0, 5492.0, 5519.0, 5525.0, 5551.0, 5406.0, 5718.0, 5260.0, 5684.0, 5617.0, 5671.0, 5402.0, 5401.0, 5662.0, 5254.0, 5637.0, 5710.0, 5703.0, 5428.0, 5629.0, 5627.0, 5707.0, 5656.0, 5344.0, 5369.0, 5444.0, 5669.0, 5677.0, 5296.0, 5639.0, 5588.0, 5460.0, 5592.0, 5580.0, 5332.0, 5307.0, 5511.0, 5546.0, 5545.0, 5649.0, 5631.0, 5283.0, 5542.0, 5657.0, 5499.0, 5571.0, 5619.0, 5361.0, 5432.0, 5531.0, 5691.0, 5478.0, 5427.0, 5681.0, 5494.0, 5252.0, 5636.0, 5462.0, 5251.0, 5409.0, 5441.0, 5315.0, 5584.0, 5717.0, 5422.0, 5673.0, 5471.0, 5451.0, 5403.0, 5607.0, 5353.0, 5537.0, 5343.0, 5495.0, 5489.0, 5390.0, 5605.0, 5634.0, 5517.0 (number of hits: 15)
27	5530.0	9	1.0	333	1	5356.0, 5653.0, 5457.0, 5647.0, 5577.0, 5696.0, 5581.0, 5628.0, 5492.0, 5433.0, 5507.0, 5455.0, 5675.0, 5661.0, 5347.0, 5283.0, 5659.0, 5508.0, 5444.0, 5663.0, 5552.0, 5301.0, 5343.0, 5490.0, 5634.0, 5355.0, 5523.0, 5586.0, 5403.0, 5532.0, 5451.0, 5528.0, 5600.0, 5257.0, 5263.0, 5345.0, 5307.0, 5485.0, 5660.0, 5557.0, 5480.0, 5476.0, 5298.0, 5575.0, 5448.0, 5461.0, 5545.0, 5558.0, 5312.0, 5276.0, 5372.0, 5488.0, 5270.0, 5599.0, 5428.0, 5288.0, 5645.0, 5550.0, 5706.0, 5640.0, 5553.0, 5367.0, 5266.0, 5656.0, 5515.0, 5278.0, 5496.0, 5284.0, 5636.0, 5460.0, 5606.0, 5518.0, 5325.0, 5583.0, 5255.0, 5652.0, 5513.0, 5437.0, 5593.0, 5281.0, 5530.0, 5409.0, 5533.0, 5584.0, 5683.0, 5638.0, 5551.0, 5271.0, 5296.0, 5562.0, 5651.0, 5592.0, 5560.0, 5537.0, 5500.0, 5440.0, 5351.0, 5619.0, 5449.0, 5394.0 (number of hits: 23)
28	5530.0	9	1.0	333	1	5487.0, 5576.0, 5537.0, 5291.0, 5279.0, 5696.0, 5381.0, 5362.0, 5672.0, 5332.0, 5538.0, 5492.0, 5712.0, 5626.0, 5648.0, 5556.0, 5620.0, 5685.0, 5563.0, 5427.0, 5466.0, 5678.0, 5313.0, 5617.0, 5364.0, 5557.0, 5263.0, 5554.0, 5366.0, 5689.0, 5379.0, 5606.0, 5426.0, 5570.0, 5292.0, 5341.0, 5346.0, 5506.0, 5383.0, 5530.0, 5330.0, 5519.0, 5428.0, 5409.0, 5458.0, 5412.0, 5707.0, 5634.0, 5585.0, 5294.0, 5342.0, 5637.0, 5469.0, 5462.0, 5701.0, 5317.0, 5723.0, 5611.0, 5325.0, 5593.0, 5350.0, 5669.0, 5322.0, 5700.0, 5306.0, 5658.0, 5250.0, 5405.0, 5351.0, 5271.0, 5418.0, 5580.0, 5558.0, 5614.0, 5374.0, 5253.0, 5660.0, 5272.0, 5536.0, 5336.0, 5268.0, 5264.0, 5525.0, 5627.0, 5384.0, 5553.0, 5571.0, 5515.0, 5683.0, 5431.0, 5552.0, 5679.0, 5682.0, 5505.0, 5719.0, 5662.0, 5382.0, 5592.0, 5277.0, 5417.0 (number of hits: 17)
29	5530.0	9	1.0	333	1	5500.0, 5704.0, 5509.0, 5630.0, 5381.0, 5387.0, 5418.0, 5696.0, 5295.0, 5576.0, 5353.0, 5378.0, 5459.0, 5360.0, 5321.0, 5365.0,

						5599.0, 5566.0, 5600.0, 5498.0, 5722.0, 5638.0, 5657.0, 5653.0, 5508.0, 5404.0, 5572.0, 5682.0, 5721.0, 5380.0, 5719.0, 5580.0, 5397.0, 5393.0, 5558.0, 5661.0, 5329.0, 5560.0, 5590.0, 5279.0, 5460.0, 5614.0, 5290.0, 5582.0, 5621.0, 5429.0, 5388.0, 5626.0, 5708.0, 5619.0, 5563.0, 5629.0, 5260.0, 5464.0, 5401.0, 5547.0, 5710.0, 5303.0, 5463.0, 5470.0, 5375.0, 5681.0, 5292.0, 5335.0, 5307.0, 5627.0, 5430.0, 5579.0, 5431.0, 5671.0, 5440.0, 5296.0, 5640.0, 5549.0, 5531.0, 5717.0, 5257.0, 5564.0, 5349.0, 5265.0, 5649.0, 5510.0, 5325.0, 5625.0, 5472.0, 5690.0, 5450.0, 5701.0, 5711.0, 5256.0, 5373.0, 5383.0, 5448.0, 5655.0, 5660.0, 5679.0, 5446.0, 5597.0, 5573.0, 5713.0 (number of hits: 13)
30	5530.0	9	1.0	333	1	5292.0, 5406.0, 5536.0, 5534.0, 5662.0, 5537.0, 5366.0, 5501.0, 5580.0, 5717.0, 5617.0, 5646.0, 5513.0, 5607.0, 5457.0, 5443.0, 5637.0, 5388.0, 5439.0, 5548.0, 5317.0, 5362.0, 5598.0, 5519.0, 5508.0, 5554.0, 5440.0, 5260.0, 5416.0, 5319.0, 5507.0, 5283.0, 5454.0, 5494.0, 5425.0, 5552.0, 5295.0, 5442.0, 5427.0, 5487.0, 5489.0, 5316.0, 5300.0, 5663.0, 5574.0, 5293.0, 5681.0, 5510.0, 5693.0, 5538.0, 5386.0, 5395.0, 5435.0, 5602.0, 5529.0, 5595.0, 5585.0, 5698.0, 5453.0, 5270.0, 5257.0, 5498.0, 5564.0, 5711.0, 5632.0, 5692.0, 5658.0, 5543.0, 5563.0, 5491.0, 5616.0, 5271.0, 5338.0, 5259.0, 5448.0, 5429.0, 5376.0, 5280.0, 5409.0, 5312.0, 5412.0, 5514.0, 5609.0, 5621.0, 5451.0, 5593.0, 5505.0, 5472.0, 5528.0, 5716.0, 5551.0, 5297.0, 5330.0, 5256.0, 5500.0, 5273.0, 5403.0, 5301.0, 5287.0, 5704.0 (number of hits: 24)

P2MP Mode
Pine Radio

5570 MHz, 160 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	70 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	85 %	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 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	81	1.0	658	1
2	83	1.0	638	1
3	95	1.0	558	1
4	72	1.0	738	1
5	59	1.0	898	1
6	58	1.0	918	1
7	61	1.0	878	1
8	86	1.0	618	1
9	65	1.0	818	1
10	99	1.0	538	1
11	78	1.0	678	1
12	68	1.0	778	1
13	62	1.0	858	1
14	63	1.0	838	1
15	67	1.0	798	1
16	37	1.0	1444	1
17	23	1.0	2376	1
18	53	1.0	998	1
19	26	1.0	2067	1
20	22	1.0	2432	1
21	24	1.0	2294	1
22	18	1.0	3002	1
23	20	1.0	2737	1
24	94	1.0	567	1
25	19	1.0	2926	1
26	30	1.0	1764	1
27	39	1.0	1369	0
28	31	1.0	1720	1
29	29	1.0	1838	1
30	20	1.0	2667	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	28	1.6	174	1
2	23	2.7	224	1
3	29	1.8	230	1
4	23	4.5	188	1
5	24	5.0	190	1
6	27	4.5	194	0
7	28	4.9	228	1
8	23	1.0	192	1
9	27	4.9	200	0
10	27	2.3	191	1
11	24	2.9	214	0
12	28	1.2	225	1
13	23	1.8	156	1
14	28	2.1	180	0
15	23	3.7	193	1
16	24	4.5	214	1
17	26	4.8	166	1
18	28	2.1	227	0
19	23	4.3	179	1
20	26	1.6	221	0
21	28	2.6	173	1
22	29	4.7	225	1
23	24	4.6	186	1
24	24	4.9	211	0
25	23	3.0	213	1
26	24	1.9	214	1
27	24	4.8	218	1
28	23	4.5	158	0
29	25	2.1	193	1
30	25	2.7	203	1
Detection Percentage: 73.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.7	230	0
2	18	9.0	438	1
3	16	8.5	387	0
4	16	7.8	264	0
5	16	6.5	311	0
6	17	8.0	280	1
7	17	8.9	366	1
8	17	8.7	389	1
9	18	6.2	210	0
10	17	9.6	461	1
11	17	7.0	382	1
12	17	7.5	423	1
13	18	10.0	484	0
14	16	8.7	498	1
15	17	6.1	265	1
16	17	7.8	209	1
17	16	9.4	247	0
18	17	9.7	369	1
19	16	7.3	281	1
20	18	6.6	324	1
21	16	8.7	479	1
22	16	6.3	271	1
23	16	9.9	263	0
24	16	8.1	219	1
25	16	6.4	289	1
26	17	8.4	286	1
27	17	8.3	332	0
28	16	8.0	434	1
29	16	9.9	456	1
30	18	9.7	347	1
Detection Percentage: 70 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5650 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	13.9	456	1
2	14	15.6	276	1
3	15	14.9	444	1
4	13	12.7	266	1
5	13	17.2	337	1
6	13	19.8	340	1
7	14	15.5	472	1
8	12	19.2	324	1
9	16	11.6	377	1
10	14	16.8	497	1
11	12	12.4	215	1
12	13	11.3	481	1
13	14	11.9	494	1
14	13	17.4	399	1
15	13	15.2	319	1
16	12	19.3	452	1
17	14	19.0	404	1
18	12	11.7	419	1
19	16	19.0	221	1
20	12	15.4	362	1
21	15	12.7	378	1
22	13	18.2	247	1
23	13	19.2	458	1
24	15	15.6	226	1
25	14	16.3	347	1
26	13	12.9	327	1
27	14	19.1	430	1
28	16	18.5	206	1
29	13	15.4	395	1
30	12	15.1	260	1
Detection Percentage: 100 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5570	1
2	5570	1
3	5570	1
4	5570	1
5	5570	1
6	5570	1
7	5570	1
8	5570	1
9	5570	1
10	5570	1
11	5499.7	1
12	5495.6	1
13	5497.7	1
14	5498.9	1
15	5500.5	1
16	5494.9	1
17	5496.1	1
18	5499.7	1
19	5496.5	1
20	5500.1	1
21	5639.9	1
22	5643.5	1
23	5645.1	1
24	5643.5	1
25	5642.7	1
26	5645.1	1
27	5643.5	1
28	5641.5	1
29	5639.5	1
30	5642.3	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	12	93.4			0.309259	1
1	1	12	80.5			0.643791	
2	2	12	98.0	1316		1.390762	
3	2	12	71.1	1126		2.023606	
4	2	12	59.9	1291		3.011317	
5	2	12	81.1	1516		3.297086	
6	2	12	98.5	1467		3.829604	
7	2	12	77.6	1783		4.607321	
8	3	12	94.5	1638	1228	5.207752	
9	1	12	63.3			6.287359	
10	2	12	87.2	1953		6.316002	
11	2	12	59.9	1886		6.961821	
12	2	12	53.4	1713		8.048174	
13	1	12	53.0			8.691218	
14	3	12	50.2	1916	1976	9.042024	
15	1	12	72.4			9.871749	
16	1	12	53.9			10.378337	
17	1	12	69.6			11.344794	
18	2	12	62.4	1182		11.818521	

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	12	55.6	1311	1399	0.244556	1
1	2	12	78.8	1469		1.021892	
2	1	12	76.8			1.933772	
3	3	12	79.7	1712	1420	2.615912	
4	1	12	70.4			3.458952	
5	2	12	59.7	1235		4.448879	
6	1	12	81.3			5.936021	
7	3	12	55.6	1515	1417	6.116400	
8	3	12	87.3	1194	1525	7.294348	
9	2	12	64.3	1024		7.902174	
10	3	12	98.0	1045	1922	8.967911	
11	2	12	59.5	1615		9.549545	
12	3	12	68.7	1020	1139	10.388935	
13	2	12	54.6	1477		11.500155	

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	3	14	79.9	1921	1448	0.392871	1
1	2	14	77.5	1024		0.928622	
2	2	14	84.0	1454		1.697320	
3	2	14	90.8	1769		2.848845	
4	1	14	74.2			3.617752	
5	2	14	98.1	1805		4.114290	
6	2	14	53.3	1989		5.046406	
7	1	14	95.2			5.706881	
8	2	14	92.8	1594		6.310437	
9	3	14	98.4	1260	1625	7.345561	
10	3	14	62.5	1805	1399	8.216374	
11	1	14	92.7			8.636169	
12	2	14	82.1	1496		9.306534	
13	2	14	82.9	1361		10.111735	
14	2	14	79.7	1582		11.041792	
15	2	14	60.0	1354		11.673775	

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	14	89.4	1522	1612	0.250151	1
1	3	14	67.1	1281	1218	0.986503	
2	2	14	91.9	1177		1.961952	
3	1	14	53.5			3.025191	
4	1	14	65.3			3.593918	
5	1	14	61.9			4.848771	
6	1	14	75.0			5.704826	
7	2	14	61.3	1141		6.089513	
8	3	14	71.2	1236	1682	7.391468	
9	3	14	53.1	1078	1801	8.299869	
10	2	14	66.7	1145		9.056693	
11	3	14	77.3	1316	1576	9.630331	
12	1	14	95.1			10.587429	
13	1	14	86.7			11.394894	

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	93.2	1406		0.373392	1
1	2	9	68.1	1797		1.041205	
2	3	9	99.2	1561	1845	2.198495	
3	1	9	65.6			2.342660	
4	2	9	71.6	1413		3.612707	
5	2	9	85.9	1554		3.818319	
6	2	9	74.1	1516		4.910570	
7	2	9	72.2	1232		5.484411	
8	1	9	85.2			6.032995	
9	2	9	62.4	1522		6.769175	
10	2	9	75.4	1346		7.831088	
11	3	9	94.0	1418	1168	8.653097	
12	2	9	53.2	1258		9.309901	
13	1	9	81.7			10.413543	
14	3	9	54.7	1222	1590	11.091581	
15	2	9	65.6	1584		11.610500	

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	6	82.2			0.992319	1
1	2	6	85.1	1632		1.784603	
2	2	6	65.6	1589		3.402232	
3	2	6	56.6	1278		4.367663	
4	2	6	79.4	1486		5.014807	
5	1	6	75.2			7.176343	
6	1	6	52.6			8.113762	
7	3	6	81.0	1917	1999	9.358642	
8	2	6	92.7	1451		10.240629	
9	3	6	86.1	1244	1570	11.605458	

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	7	93.5	1353		0.033728	
1	2	7	65.5	1938		1.095629	
2	3	7	78.0	1845	1155	2.106789	
3	1	7	69.9			3.544570	
4	3	7	97.0	1121	1762	3.819775	
5	2	7	96.7	1717		4.981051	
6	1	7	72.0			5.792614	1
7	1	7	65.8			6.775835	
8	2	7	91.1	1129		8.094002	
9	3	7	88.2	1522	1706	8.771822	
10	1	7	50.9			9.258085	
11	1	7	61.6			11.007373	
12	2	7	96.5	1128		11.446370	

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	1	12	64.7			0.710238	
1	3	12	65.3	1889	1701	1.962213	
2	2	12	88.5	1188		3.671330	
3	2	12	66.8	1902		5.310780	
4	3	12	76.9	1577	1583	5.767746	1
5	2	12	84.1	1103		7.831263	
6	2	12	70.4	1378		9.008946	
7	3	12	62.8	1554	1374	10.172634	
8	2	12	88.3	1959		11.780099	

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	6	52.8			0.026502	1
1	1	6	93.8			1.615482	
2	2	6	59.5	1764		2.896488	
3	2	6	85.8	1867		3.969551	
4	3	6	76.5	1536	1260	4.875722	
5	3	6	96.8	1010	1639	6.424861	
6	2	6	91.8	1828		6.753175	
7	1	6	62.5			7.731760	
8	2	6	59.7	1385		8.987699	
9	1	6	59.0			9.922353	
10	3	6	59.6	1866	1524	11.429544	

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	61.0	1497		0.571986	1
1	2	6	79.4	1361		1.168804	
2	3	6	62.0	1084	1991	1.259929	
3	2	6	52.9	1777		1.818946	
4	2	6	77.9	1816		2.593110	
5	1	6	52.7			3.273481	
6	3	6	88.6	1481	1614	3.854618	
7	2	6	95.4	1139		4.555255	
8	3	6	73.1	1673	1242	5.128917	
9	3	6	65.1	1635	1178	5.923124	
10	2	6	53.7	1864		6.411125	
11	2	6	68.5	1769		7.001119	
12	1	6	74.3			7.520740	
13	2	6	69.1	1049		8.083159	
14	2	6	74.3	1359		8.568314	
15	2	6	60.7	1618		9.275767	
16	2	6	61.8	1322		10.044853	
17	2	6	78.6	1483		10.765349	
18	3	6	75.6	1588	1160	11.067002	
19	3	6	63.6	1040	1954	11.620789	

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	18	71.9	1230		0.374071	1
1	1	18	57.0			1.161648	
2	1	18	87.2			1.947165	
3	2	18	68.6	1888		2.252264	
4	3	18	66.1	1701	1409	2.961982	
5	2	18	61.7	1876		3.587599	
6	3	18	89.5	1240	1206	4.033442	
7	2	18	58.1	1482		5.274903	
8	3	18	59.5	1291	1227	5.610554	
9	2	18	87.1	1060		6.652415	
10	2	18	95.0	1204		7.182719	
11	2	18	94.2	1671		7.731028	
12	3	18	73.6	1256	1185	8.042213	
13	1	18	50.4			9.269301	
14	2	18	69.8	1845		9.727489	
15	2	18	50.6	1043		10.121073	
16	2	18	73.3	1660		10.806422	
17	2	18	72.1	1132		11.496044	

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	8	56.8	1504		0.289280	1
1	2	8	91.6	1419		0.706113	
2	2	8	51.0	1527		1.979282	
3	2	8	78.4	1774		2.723610	
4	3	8	67.3	1047	1390	3.218650	
5	2	8	58.9	1285		4.012042	
6	2	8	56.5	1129		4.241248	
7	3	8	52.9	1124	1676	5.016609	
8	2	8	73.0	1310		5.678167	
9	2	8	81.9	1658		6.415432	
10	2	8	97.6	1407		7.457589	
11	3	8	58.1	1485	1300	8.322020	
12	2	8	61.9	1293		9.037448	
13	2	8	98.8	1436		9.280824	
14	2	8	62.9	1985		9.886420	
15	1	8	92.6			10.599280	
16	2	8	83.6	1630		11.370468	

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	13	98.9	1324		0.828515	1
1	2	13	68.5	1652		1.976751	
2	2	13	64.5	1642		2.650007	
3	2	13	99.1	1712		3.824622	
4	1	13	86.8			4.951280	
5	3	13	99.1	1442	1488	7.112300	
6	3	13	56.0	1217	1691	7.420159	
7	1	13	75.4			9.197789	
8	2	13	54.8	1799		10.531765	
9	3	13	74.9	1481	1150	11.427966	

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	16	51.0			0.316676	1
1	3	16	64.6	1754	1889	1.101588	
2	2	16	82.2	1090		1.658316	
3	1	16	81.2			2.460365	
4	2	16	95.9	1276		3.207131	
5	2	16	75.3	1426		3.921430	
6	1	16	92.1			4.099201	
7	1	16	71.1			4.893692	
8	3	16	85.5	1722	1411	5.397902	
9	3	16	76.9	1057	1010	6.037558	
10	1	16	70.4			7.143041	
11	3	16	62.3	1657	1483	7.654401	
12	3	16	76.7	1118	1628	8.072543	
13	2	16	77.7	1649		8.899038	
14	1	16	91.3			9.404677	
15	3	16	69.1	1532	1127	10.409581	
16	3	16	59.9	1179	1575	10.768282	
17	2	16	69.4	1118		11.472741	

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	20	55.5			0.130581	
1	2	20	94.8	1736		1.768170	
2	1	20	84.6			1.926527	
3	1	20	83.6			3.283869	
4	2	20	76.5	1710		4.557005	
5	2	20	65.7	1821		5.095137	
6	1	20	89.6			6.458500	1
7	3	20	66.1	1011	1898	6.867002	
8	1	20	74.9			7.573624	
9	1	20	98.1			8.448030	
10	2	20	85.5	1914		9.679451	
11	2	20	58.8	1046		10.736752	
12	3	20	78.9	1700	1269	11.164912	

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	95.8	1765		0.748155	
1	3	6	65.1	1366	1572	2.611568	
2	2	6	94.7	1327		2.804636	
3	1	6	79.8			4.892315	
4	3	6	66.3	1378	1036	6.410565	1
5	2	6	92.3	1337		7.221653	
6	3	6	57.7	1016	1332	8.265142	
7	2	6	57.4	1185		10.605001	
8	1	6	82.8			11.990599	

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	69.7			1.088864	1
1	2	9	63.6	1758		2.495941	
2	3	9	90.6	1210	1366	3.991159	
3	3	9	98.1	1301	1698	5.439620	
4	2	9	86.0	1238		6.446936	
5	1	9	86.9			7.547140	
6	2	9	90.5	1766		10.330927	
7	3	9	90.3	1850	1108	10.946256	

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	18	70.1	1526	1186	0.335047	1
1	2	18	85.3	1750		0.957411	
2	2	18	51.7	1408		2.589440	
3	2	18	68.0	1515		3.679394	
4	2	18	92.6	1297		3.693760	
5	1	18	79.2			5.389549	
6	2	18	63.1	1446		6.207657	
7	1	18	61.2			6.515186	
8	2	18	98.0	1349		7.399444	
9	2	18	81.9	1991		8.427727	
10	3	18	86.5	1520	1920	9.363482	
11	2	18	75.3	1844		10.671642	
12	2	18	71.0	1694		11.489141	

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	10	53.5	1987		0.916907	
1	1	10	84.0			1.122217	
2	2	10	82.4	1951		2.461650	
3	2	10	67.2	1712		3.666021	
4	3	10	61.6	1167	1160	3.942762	
5	2	10	53.9	1660		5.456419	
6	2	10	84.2	1306		5.604377	1
7	3	10	88.3	1649	1679	6.812980	
8	2	10	97.2	1219		8.135075	
9	3	10	85.7	1375	1710	8.536653	
10	1	10	65.4			9.847939	
11	1	10	79.8			10.621384	
12	2	10	95.3	1664		11.459682	

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	98.9	1744	1482	0.518338	
1	2	19	73.5	1936		1.134597	
2	3	19	82.6	1419	1079	1.601628	
3	3	19	61.5	1020	1925	2.642150	
4	3	19	91.0	1011	1618	3.288339	
5	3	19	94.8	1382	1570	3.523749	
6	2	19	68.6	1920		4.403598	
7	1	19	54.9			4.925600	
8	3	19	77.3	1218	1634	5.987908	
9	2	19	50.8	1045		6.140685	1
10	1	19	89.5			7.244349	
11	3	19	90.4	1732	1522	7.772039	
12	2	19	78.2	1262		8.537240	
13	2	19	83.6	1991		8.991858	
14	2	19	94.4	1744		9.722266	
15	3	19	98.9	1570	1715	10.249873	
16	2	19	94.8	1614		11.034697	
17	3	19	51.0	1465	1403	11.594876	

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	50.8	1572		0.353943	
1	3	19	64.1	1316	1180	1.278719	
2	2	19	87.2	1201		2.918280	
3	2	19	51.7	1469		3.499129	
4	3	19	80.6	1790	1018	4.738386	
5	2	19	60.6	1155		6.227196	1
6	3	19	53.8	1197	1988	7.037921	
7	2	19	50.4	1689		8.058485	
8	3	19	85.0	1007	1664	9.516333	
9	2	19	73.3	1739		10.740633	
10	1	19	58.2			11.256150	

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	10	51.7	1031		0.075667	
1	3	10	69.3	1807	1586	1.503907	
2	1	10	96.4			2.083752	
3	2	10	90.9	1969		3.136883	
4	2	10	54.8	1487		3.341390	
5	3	10	61.8	1306	1463	4.318480	
6	3	10	72.8	1487	1064	5.251144	
7	3	10	96.3	1637	1525	6.208037	1
8	2	10	66.6	1152		6.436371	
9	1	10	95.0			7.730635	
10	3	10	99.1	1643	1131	8.384233	
11	2	10	59.3	1751		9.534727	
12	3	10	89.0	1919	1327	9.691160	
13	1	10	82.3			10.684644	
14	2	10	86.5	1236		11.369102	

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	1	6	69.1			0.845489	1
1	2	6	65.6	1697		1.671809	
2	3	6	59.9	1121	1630	1.848117	
3	2	6	68.1	1390		3.103203	
4	3	6	86.6	1873	1337	3.566657	
5	2	6	56.5	1749		4.828768	
6	2	6	78.2	1588		5.925363	
7	2	6	74.9	1515		6.818867	
8	1	6	93.0			7.457533	
9	2	6	78.8	1865		7.947905	
10	2	6	73.1	1692		9.158709	
11	1	6	87.2			9.514911	
12	1	6	77.7			11.132145	
13	2	6	81.3	1088		11.172943	

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	10	57.0			0.155903	1
1	1	10	75.9			1.143481	
2	1	10	74.6			2.388963	
3	3	10	78.2	1530	1016	2.783211	
4	3	10	77.8	1479	1927	3.630285	
5	2	10	69.1	1938		4.985451	
6	2	10	53.9	1828		5.693913	
7	2	10	59.6	1077		6.660540	
8	2	10	82.4	1622		7.528577	
9	2	10	80.7	1040		8.016722	
10	3	10	82.2	1938	1861	9.243608	
11	1	10	84.3			10.219078	
12	2	10	59.8	1115		10.551730	
13	3	10	73.3	1185	1349	11.192160	

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	12	84.0			0.002568	1
1	1	12	96.3			0.995706	
2	1	12	62.2			2.279148	
3	2	12	82.6	1417		3.085118	
4	1	12	53.7			3.332045	
5	2	12	85.5	1385		4.265177	
6	1	12	51.2			5.364556	
7	2	12	83.6	1770		5.896622	
8	2	12	63.7	1599		6.525661	
9	1	12	70.0			7.667183	
10	1	12	54.0			8.488616	
11	2	12	81.4	1913		8.922131	
12	2	12	50.4	1423		9.624839	
13	2	12	68.7	1600		10.452503	
14	1	12	51.9			11.717434	

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	6	85.4	1897		0.524565	
1	1	6	82.8			0.941786	
2	2	6	72.5	1547		1.635830	
3	2	6	87.3	1277		2.991564	
4	2	6	97.8	1734		3.715298	
5	3	6	61.6	1555	1047	4.145752	
6	2	6	65.9	1957		4.911852	
7	2	6	81.5	1820		6.087828	1
8	2	6	92.8	1840		6.647696	
9	2	6	86.7	1759		7.298625	
10	2	6	83.4	1343		8.560870	
11	1	6	73.3			8.933749	
12	3	6	99.0	1444	1527	9.849589	
13	2	6	77.6	1823		11.112492	
14	3	6	89.5	1903	1574	11.624967	

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	10	59.5	1479		0.288302	
1	1	10	72.3			0.918992	
2	1	10	60.6			1.856518	
3	2	10	82.7	1628		2.671270	
4	1	10	85.2			3.629506	
5	2	10	51.9	1087		4.068414	
6	2	10	58.2	1672		4.934112	
7	2	10	74.4	1462		5.425593	
8	2	10	99.5	1632		6.433248	1
9	3	10	68.8	1527	1177	7.080080	
10	2	10	68.9	1376		8.088003	
11	2	10	78.2	1033		8.539020	
12	2	10	66.0	1300		9.707593	
13	2	10	55.8	1257		9.819420	
14	3	10	72.9	1169	1256	11.215621	
15	2	10	90.1	1817		11.779731	

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	15	78.0			0.449465	
1	3	15	57.3	1588	1834	1.231665	
2	3	15	72.1	1571	1841	1.829707	
3	2	15	96.0	1929		1.901103	
4	2	15	78.5	1919		2.839383	
5	2	15	92.1	1404		3.650878	
6	2	15	64.2	1326		3.851801	
7	2	15	51.2	1681		4.842431	
8	3	15	54.9	1217	1421	5.367724	
9	3	15	99.9	1956	1549	6.279705	1
10	1	15	93.7			6.659354	
11	3	15	64.8	1267	1092	7.426730	
12	3	15	81.5	1758	1863	8.123092	
13	3	15	81.2	1517	1341	8.655159	
14	3	15	82.0	1144	1161	9.174898	
15	1	15	59.6			9.585988	
16	2	15	84.1	1701		10.384301	
17	2	15	73.9	1803		10.910530	
18	2	15	91.4	1743		11.811882	

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	20	93.8			0.069615	
1	2	20	82.5	1671		0.796813	
2	1	20	54.7			1.901332	
3	3	20	52.5	1762	1894	2.153214	
4	2	20	70.2	1172		2.878045	
5	3	20	61.9	1026	1188	4.173638	
6	2	20	98.4	1266		4.350261	
7	2	20	55.9	1099		5.599686	
8	3	20	82.1	1885	1626	5.868212	1
9	3	20	69.0	1484	1729	6.766094	
10	2	20	66.3	1576		7.189526	
11	3	20	57.0	1000	1751	7.787606	
12	2	20	53.3	1558		8.918773	
13	2	20	86.3	1501		9.547770	
14	2	20	85.3	1707		10.464566	
15	2	20	90.6	1937		11.145001	
16	1	20	82.1			11.388913	

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	13	96.3	1684		0.306069	
1	1	13	58.1			1.187726	
2	1	13	60.8			1.788312	
3	2	13	83.5	1514		2.650044	
4	1	13	68.5			3.123096	
5	2	13	54.7	1608		3.823686	
6	3	13	54.5	1806	1500	4.506894	
7	3	13	53.8	1314	1663	5.068536	
8	2	13	53.5	1220		5.683488	1
9	2	13	77.4	1036		7.022146	
10	2	13	75.9	1595		7.493932	
11	3	13	68.2	1248	1877	7.809970	
12	1	13	53.1			8.657559	
13	3	13	75.9	1831	1874	9.866791	
14	2	13	64.0	1553		9.884746	
15	2	13	97.8	1793		10.707698	
16	2	13	87.5	1949		11.574316	

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	5570.0	9	1.0	333	1	5309.0, 5295.0, 5573.0, 5429.0, 5339.0, 5303.0, 5576.0, 5485.0, 5317.0, 5357.0, 5679.0, 5637.0, 5341.0, 5666.0, 5565.0, 5412.0, 5458.0, 5378.0, 5522.0, 5523.0, 5280.0, 5277.0, 5441.0, 5299.0, 5465.0, 5577.0, 5639.0, 5304.0, 5589.0, 5396.0, 5605.0, 5623.0, 5455.0, 5367.0, 5695.0, 5602.0, 5686.0, 5420.0, 5340.0, 5445.0, 5640.0, 5652.0, 5453.0, 5260.0, 5305.0, 5616.0, 5461.0, 5553.0, 5703.0, 5435.0, 5561.0, 5504.0, 5645.0, 5391.0, 5417.0, 5274.0, 5598.0, 5475.0, 5588.0, 5496.0, 5369.0, 5471.0, 5425.0, 5330.0, 5258.0, 5492.0, 5376.0, 5656.0, 5255.0, 5493.0, 5331.0, 5257.0, 5343.0, 5373.0, 5434.0, 5544.0, 5704.0, 5399.0, 5659.0, 5533.0, 5619.0, 5538.0, 5648.0, 5702.0, 5634.0, 5649.0, 5287.0, 5421.0, 5436.0, 5564.0, 5448.0, 5384.0, 5521.0, 5254.0, 5402.0, 5261.0, 5526.0, 5610.0, 5674.0, 5470.0 (number of hits: 32)
2	5570.0	9	1.0	333	1	5478.0, 5363.0, 5604.0, 5622.0, 5308.0, 5351.0, 5337.0, 5408.0, 5624.0, 5681.0, 5667.0, 5642.0, 5715.0, 5462.0, 5608.0, 5668.0, 5585.0, 5566.0, 5699.0, 5528.0, 5452.0, 5641.0, 5556.0, 5300.0, 5601.0, 5288.0, 5635.0, 5682.0, 5358.0, 5672.0, 5332.0, 5442.0, 5419.0, 5312.0, 5355.0, 5360.0, 5552.0, 5650.0, 5716.0, 5690.0, 5512.0, 5590.0, 5617.0, 5475.0, 5330.0, 5646.0, 5286.0, 5678.0, 5704.0, 5429.0, 5293.0, 5496.0, 5514.0, 5311.0, 5687.0, 5533.0, 5348.0, 5492.0, 5724.0, 5661.0, 5593.0, 5272.0, 5626.0, 5315.0, 5422.0, 5530.0, 5676.0, 5409.0, 5609.0, 5411.0, 5474.0, 5297.0, 5359.0, 5558.0, 5665.0, 5559.0, 5364.0, 5324.0, 5357.0, 5511.0, 5693.0, 5628.0, 5603.0, 5261.0, 5505.0, 5596.0, 5460.0, 5550.0, 5392.0, 5256.0, 5574.0, 5388.0, 5560.0, 5275.0, 5660.0, 5688.0, 5340.0, 5381.0, 5710.0, 5444.0 (number of hits: 35)
3	5570.0	9	1.0	333	1	5474.0, 5264.0, 5553.0, 5302.0, 5450.0, 5437.0, 5608.0, 5711.0, 5596.0, 5465.0, 5427.0, 5528.0, 5565.0, 5344.0, 5272.0, 5298.0, 5704.0, 5351.0, 5317.0, 5534.0, 5533.0, 5506.0, 5564.0, 5710.0, 5436.0, 5602.0, 5430.0, 5675.0, 5408.0, 5432.0, 5584.0, 5691.0, 5570.0, 5598.0, 5705.0, 5358.0, 5557.0, 5719.0, 5444.0, 5311.0, 5373.0, 5260.0, 5665.0, 5394.0, 5300.0, 5510.0, 5446.0, 5488.0, 5352.0, 5611.0, 5252.0, 5634.0, 5422.0, 5338.0, 5540.0, 5494.0, 5255.0, 5657.0, 5479.0, 5538.0, 5491.0, 5610.0, 5627.0, 5541.0, 5315.0, 5500.0, 5575.0, 5314.0, 5441.0, 5496.0, 5651.0, 5595.0, 5483.0, 5402.0, 5419.0, 5543.0, 5504.0, 5713.0, 5529.0, 5377.0, 5629.0, 5684.0, 5654.0, 5646.0, 5435.0, 5365.0, 5266.0, 5562.0, 5364.0, 5285.0, 5251.0, 5420.0, 5485.0, 5619.0, 5464.0, 5658.0, 5544.0, 5353.0, 5319.0, 5661.0 (number of hits: 35)
4	5570.0	9	1.0	333	1	5434.0, 5536.0, 5577.0, 5250.0, 5301.0, 5352.0, 5288.0, 5627.0, 5635.0, 5346.0, 5581.0, 5534.0, 5364.0, 5318.0, 5639.0, 5678.0, 5698.0, 5430.0, 5626.0, 5481.0, 5668.0, 5367.0, 5411.0, 5303.0, 5388.0, 5491.0, 5347.0, 5260.0, 5273.0, 5372.0, 5474.0, 5629.0, 5554.0, 5368.0, 5416.0, 5592.0, 5385.0, 5392.0, 5547.0, 5542.0, 5647.0, 5375.0, 5399.0, 5374.0, 5632.0, 5611.0, 5584.0, 5343.0, 5702.0, 5373.0, 5457.0, 5332.0, 5335.0, 5633.0, 5324.0, 5345.0, 5425.0, 5283.0, 5465.0, 5712.0, 5558.0, 5484.0, 5290.0, 5279.0, 5572.0, 5444.0, 5692.0, 5699.0, 5322.0, 5265.0, 5706.0, 5622.0, 5710.0, 5357.0, 5634.0, 5446.0, 5694.0, 5522.0, 5304.0, 5307.0, 5682.0, 5532.0, 5370.0, 5539.0, 5339.0, 5503.0, 5615.0, 5513.0, 5320.0, 5548.0, 5445.0, 5330.0, 5458.0, 5404.0, 5355.0, 5595.0, 5417.0, 5674.0, 5502.0, 5501.0 (number of hits: 32)
5	5570.0	9	1.0	333	1	5600.0, 5659.0, 5620.0, 5339.0, 5553.0, 5358.0, 5603.0, 5695.0, 5253.0, 5490.0, 5650.0, 5297.0, 5286.0, 5482.0, 5555.0, 5686.0, 5364.0, 5301.0, 5595.0, 5548.0, 5380.0, 5713.0, 5429.0, 5607.0, 5431.0, 5661.0, 5421.0, 5682.0, 5455.0, 5319.0, 5315.0, 5479.0,

						5578.0, 5407.0, 5414.0, 5606.0, 5347.0, 5598.0, 5569.0, 5642.0, 5590.0, 5469.0, 5467.0, 5276.0, 5635.0, 5305.0, 5439.0, 5484.0, 5559.0, 5663.0, 5546.0, 5337.0, 5373.0, 5612.0, 5476.0, 5550.0, 5449.0, 5534.0, 5445.0, 5678.0, 5696.0, 5282.0, 5417.0, 5632.0, 5322.0, 5644.0, 5530.0, 5684.0, 5277.0, 5354.0, 5654.0, 5551.0, 5446.0, 5567.0, 5649.0, 5328.0, 5516.0, 5419.0, 5330.0, 5266.0, 5348.0, 5584.0, 5269.0, 5640.0, 5549.0, 5464.0, 5597.0, 5515.0, 5344.0, 5474.0, 5470.0, 5402.0, 5262.0, 5715.0, 5604.0, 5643.0, 5325.0, 5493.0, 5601.0, 5353.0 (number of hits: 35)
6	5570.0	9	1.0	333	1	5584.0, 5379.0, 5573.0, 5365.0, 5446.0, 5424.0, 5675.0, 5564.0, 5625.0, 5367.0, 5458.0, 5555.0, 5445.0, 5442.0, 5278.0, 5660.0, 5353.0, 5495.0, 5273.0, 5606.0, 5529.0, 5549.0, 5579.0, 5309.0, 5284.0, 5699.0, 5561.0, 5395.0, 5488.0, 5517.0, 5292.0, 5465.0, 5676.0, 5476.0, 5530.0, 5457.0, 5449.0, 5376.0, 5412.0, 5317.0, 5269.0, 5673.0, 5327.0, 5657.0, 5649.0, 5252.0, 5417.0, 5400.0, 5690.0, 5552.0, 5342.0, 5722.0, 5577.0, 5510.0, 5277.0, 5360.0, 5585.0, 5572.0, 5275.0, 5701.0, 5483.0, 5710.0, 5408.0, 5636.0, 5462.0, 5566.0, 5491.0, 5617.0, 5303.0, 5578.0, 5612.0, 5384.0, 5677.0, 5266.0, 5545.0, 5550.0, 5466.0, 5256.0, 5719.0, 5345.0, 5383.0, 5307.0, 5475.0, 5547.0, 5263.0, 5333.0, 5598.0, 5392.0, 5373.0, 5487.0, 5626.0, 5707.0, 5352.0, 5508.0, 5358.0, 5439.0, 5498.0, 5324.0, 5285.0, 5592.0 (number of hits: 31)
7	5570.0	9	1.0	333	1	5438.0, 5454.0, 5377.0, 5393.0, 5538.0, 5463.0, 5442.0, 5444.0, 5568.0, 5391.0, 5714.0, 5506.0, 5645.0, 5343.0, 5487.0, 5718.0, 5598.0, 5692.0, 5508.0, 5256.0, 5359.0, 5383.0, 5264.0, 5649.0, 5707.0, 5336.0, 5583.0, 5329.0, 5659.0, 5600.0, 5700.0, 5277.0, 5513.0, 5471.0, 5581.0, 5341.0, 5577.0, 5460.0, 5546.0, 5325.0, 5475.0, 5347.0, 5587.0, 5510.0, 5353.0, 5335.0, 5625.0, 5498.0, 5293.0, 5618.0, 5605.0, 5687.0, 5452.0, 5555.0, 5679.0, 5251.0, 5406.0, 5303.0, 5399.0, 5287.0, 5260.0, 5654.0, 5479.0, 5512.0, 5312.0, 5432.0, 5532.0, 5402.0, 5374.0, 5450.0, 5548.0, 5483.0, 5533.0, 5665.0, 5427.0, 5437.0, 5348.0, 5405.0, 5647.0, 5702.0, 5362.0, 5594.0, 5611.0, 5382.0, 5717.0, 5509.0, 5411.0, 5662.0, 5412.0, 5666.0, 5619.0, 5588.0, 5457.0, 5311.0, 5682.0, 5282.0, 5697.0, 5570.0, 5342.0, 5349.0 (number of hits: 30)
8	5570.0	9	1.0	333	1	5686.0, 5468.0, 5642.0, 5651.0, 5419.0, 5389.0, 5702.0, 5491.0, 5684.0, 5463.0, 5363.0, 5374.0, 5251.0, 5616.0, 5541.0, 5505.0, 5364.0, 5555.0, 5604.0, 5598.0, 5535.0, 5318.0, 5323.0, 5563.0, 5581.0, 5647.0, 5307.0, 5527.0, 5453.0, 5595.0, 5261.0, 5596.0, 5299.0, 5489.0, 5268.0, 5667.0, 5432.0, 5460.0, 5308.0, 5413.0, 5478.0, 5321.0, 5473.0, 5346.0, 5341.0, 5504.0, 5570.0, 5609.0, 5289.0, 5339.0, 5358.0, 5265.0, 5575.0, 5687.0, 5486.0, 5254.0, 5375.0, 5590.0, 5551.0, 5614.0, 5605.0, 5477.0, 5367.0, 5365.0, 5602.0, 5487.0, 5669.0, 5521.0, 5287.0, 5467.0, 5462.0, 5718.0, 5470.0, 5661.0, 5655.0, 5386.0, 5285.0, 5408.0, 5315.0, 5704.0, 5426.0, 5480.0, 5534.0, 5696.0, 5334.0, 5716.0, 5333.0, 5400.0, 5625.0, 5526.0, 5465.0, 5253.0, 5649.0, 5260.0, 5337.0, 5471.0, 5327.0, 5685.0, 5522.0, 5530.0 (number of hits: 29)
9	5570.0	9	1.0	333	1	5453.0, 5680.0, 5450.0, 5407.0, 5468.0, 5291.0, 5621.0, 5588.0, 5528.0, 5657.0, 5713.0, 5435.0, 5369.0, 5449.0, 5551.0, 5451.0, 5616.0, 5575.0, 5693.0, 5360.0, 5440.0, 5371.0, 5579.0, 5441.0, 5438.0, 5443.0, 5470.0, 5633.0, 5723.0, 5560.0, 5389.0, 5566.0, 5340.0, 5326.0, 5320.0, 5565.0, 5491.0, 5353.0, 5293.0, 5456.0, 5564.0, 5329.0, 5316.0, 5356.0, 5414.0, 5261.0, 5480.0, 5682.0, 5359.0, 5328.0, 5285.0, 5659.0, 5350.0, 5398.0, 5650.0, 5702.0, 5263.0, 5711.0, 5274.0, 5720.0, 5377.0, 5399.0, 5646.0, 5478.0, 5554.0, 5409.0, 5517.0, 5562.0, 5561.0, 5691.0, 5397.0, 5342.0, 5460.0, 5655.0, 5321.0, 5500.0, 5254.0, 5277.0, 5433.0, 5390.0, 5335.0, 5413.0, 5298.0, 5596.0, 5346.0, 5615.0, 5458.0, 5423.0, 5466.0, 5447.0, 5651.0, 5405.0, 5253.0, 5477.0, 5385.0, 5467.0, 5529.0, 5635.0, 5379.0, 5719.0 (number of hits: 22)
10	5570.0	9	1.0	333	1	5641.0, 5414.0, 5324.0, 5351.0, 5617.0, 5587.0, 5537.0, 5299.0,

						5288.0, 5482.0, 5579.0, 5544.0, 5479.0, 5290.0, 5283.0, 5567.0, 5393.0, 5274.0, 5347.0, 5601.0, 5426.0, 5406.0, 5376.0, 5631.0, 5356.0, 5663.0, 5483.0, 5519.0, 5253.0, 5455.0, 5254.0, 5435.0, 5531.0, 5430.0, 5625.0, 5613.0, 5559.0, 5319.0, 5346.0, 5677.0, 5307.0, 5557.0, 5654.0, 5285.0, 5723.0, 5269.0, 5649.0, 5443.0, 5681.0, 5505.0, 5374.0, 5358.0, 5697.0, 5573.0, 5390.0, 5308.0, 5602.0, 5251.0, 5304.0, 5411.0, 5640.0, 5666.0, 5612.0, 5284.0, 5565.0, 5480.0, 5454.0, 5632.0, 5256.0, 5423.0, 5614.0, 5450.0, 5610.0, 5582.0, 5446.0, 5311.0, 5456.0, 5360.0, 5397.0, 5314.0, 5556.0, 5676.0, 5552.0, 5345.0, 5424.0, 5417.0, 5488.0, 5440.0, 5702.0, 5442.0, 5453.0, 5365.0, 5377.0, 5420.0, 5673.0, 5540.0, 5400.0, 5586.0, 5561.0, 5510.0 (number of hits: 31)
11	5570.0	9	1.0	333	1	5623.0, 5624.0, 5663.0, 5717.0, 5265.0, 5617.0, 5313.0, 5579.0, 5576.0, 5651.0, 5344.0, 5356.0, 5391.0, 5445.0, 5525.0, 5330.0, 5329.0, 5700.0, 5420.0, 5479.0, 5278.0, 5368.0, 5320.0, 5708.0, 5394.0, 5522.0, 5357.0, 5410.0, 5716.0, 5688.0, 5690.0, 5544.0, 5458.0, 5260.0, 5323.0, 5514.0, 5571.0, 5298.0, 5468.0, 5654.0, 5495.0, 5462.0, 5501.0, 5518.0, 5422.0, 5666.0, 5367.0, 5686.0, 5416.0, 5343.0, 5721.0, 5562.0, 5629.0, 5303.0, 5551.0, 5505.0, 5615.0, 5572.0, 5667.0, 5427.0, 5543.0, 5653.0, 5358.0, 5447.0, 5724.0, 5397.0, 5341.0, 5503.0, 5695.0, 5327.0, 5316.0, 5707.0, 5491.0, 5632.0, 5465.0, 5497.0, 5643.0, 5662.0, 5459.0, 5306.0, 5460.0, 5575.0, 5448.0, 5464.0, 5709.0, 5308.0, 5470.0, 5487.0, 5704.0, 5658.0, 5393.0, 5523.0, 5710.0, 5659.0, 5592.0, 5496.0, 5715.0, 5411.0, 5377.0, 5353.0 (number of hits: 28)
12	5570.0	9	1.0	333	1	5279.0, 5296.0, 5309.0, 5352.0, 5335.0, 5423.0, 5526.0, 5495.0, 5716.0, 5556.0, 5330.0, 5334.0, 5702.0, 5355.0, 5645.0, 5541.0, 5293.0, 5684.0, 5331.0, 5539.0, 5410.0, 5418.0, 5443.0, 5591.0, 5387.0, 5422.0, 5612.0, 5292.0, 5651.0, 5518.0, 5711.0, 5479.0, 5535.0, 5473.0, 5442.0, 5394.0, 5609.0, 5588.0, 5670.0, 5399.0, 5650.0, 5446.0, 5637.0, 5305.0, 5368.0, 5629.0, 5347.0, 5457.0, 5353.0, 5434.0, 5529.0, 5613.0, 5414.0, 5663.0, 5252.0, 5274.0, 5356.0, 5374.0, 5477.0, 5649.0, 5688.0, 5280.0, 5523.0, 5295.0, 5426.0, 5708.0, 5365.0, 5579.0, 5503.0, 5648.0, 5611.0, 5346.0, 5359.0, 5484.0, 5348.0, 5470.0, 5284.0, 5524.0, 5615.0, 5316.0, 5411.0, 5572.0, 5520.0, 5378.0, 5561.0, 5338.0, 5444.0, 5291.0, 5549.0, 5553.0, 5460.0, 5565.0, 5706.0, 5672.0, 5638.0, 5656.0, 5644.0, 5596.0, 5678.0, 5382.0 (number of hits: 31)
13	5570.0	9	1.0	333	1	5596.0, 5428.0, 5535.0, 5568.0, 5677.0, 5406.0, 5706.0, 5672.0, 5360.0, 5386.0, 5534.0, 5617.0, 5318.0, 5404.0, 5290.0, 5631.0, 5583.0, 5697.0, 5529.0, 5257.0, 5662.0, 5610.0, 5516.0, 5305.0, 5618.0, 5327.0, 5715.0, 5312.0, 5651.0, 5666.0, 5556.0, 5260.0, 5579.0, 5254.0, 5591.0, 5613.0, 5562.0, 5326.0, 5475.0, 5415.0, 5720.0, 5536.0, 5443.0, 5679.0, 5473.0, 5321.0, 5430.0, 5416.0, 5566.0, 5696.0, 5695.0, 5673.0, 5393.0, 5541.0, 5389.0, 5263.0, 5288.0, 5391.0, 5668.0, 5652.0, 5338.0, 5488.0, 5633.0, 5352.0, 5703.0, 5676.0, 5298.0, 5626.0, 5553.0, 5622.0, 5722.0, 5670.0, 5530.0, 5656.0, 5615.0, 5689.0, 5429.0, 5452.0, 5614.0, 5558.0, 5385.0, 5580.0, 5390.0, 5510.0, 5630.0, 5356.0, 5368.0, 5405.0, 5266.0, 5273.0, 5547.0, 5578.0, 5258.0, 5586.0, 5459.0, 5509.0, 5370.0, 5329.0, 5503.0, 5660.0 (number of hits: 35)
14	5570.0	9	1.0	333	1	5461.0, 5579.0, 5294.0, 5572.0, 5351.0, 5456.0, 5696.0, 5654.0, 5415.0, 5405.0, 5477.0, 5631.0, 5346.0, 5469.0, 5600.0, 5644.0, 5349.0, 5704.0, 5481.0, 5474.0, 5661.0, 5284.0, 5699.0, 5374.0, 5380.0, 5593.0, 5674.0, 5698.0, 5642.0, 5452.0, 5347.0, 5370.0, 5297.0, 5669.0, 5335.0, 5463.0, 5576.0, 5543.0, 5428.0, 5479.0, 5311.0, 5331.0, 5551.0, 5362.0, 5523.0, 5520.0, 5389.0, 5504.0, 5476.0, 5578.0, 5302.0, 5711.0, 5482.0, 5435.0, 5708.0, 5376.0, 5619.0, 5286.0, 5508.0, 5296.0, 5398.0, 5662.0, 5542.0, 5431.0, 5620.0, 5371.0, 5279.0, 5256.0, 5255.0, 5633.0, 5641.0, 5509.0, 5262.0, 5443.0, 5547.0, 5413.0, 5433.0, 5607.0, 5659.0, 5519.0, 5271.0, 5490.0, 5396.0, 5487.0, 5341.0, 5269.0, 5253.0, 5393.0,

						5300.0, 5688.0, 5254.0, 5332.0, 5638.0, 5691.0, 5580.0, 5444.0, 5478.0, 5288.0, 5665.0, 5624.0 (number of hits: 27)
15	5570.0	9	1.0	333	1	5413.0, 5680.0, 5714.0, 5481.0, 5584.0, 5471.0, 5535.0, 5595.0, 5692.0, 5636.0, 5429.0, 5399.0, 5606.0, 5328.0, 5444.0, 5574.0, 5267.0, 5538.0, 5723.0, 5433.0, 5357.0, 5371.0, 5362.0, 5716.0, 5567.0, 5658.0, 5326.0, 5498.0, 5576.0, 5384.0, 5273.0, 5251.0, 5339.0, 5550.0, 5315.0, 5334.0, 5283.0, 5350.0, 5488.0, 5580.0, 5261.0, 5289.0, 5523.0, 5386.0, 5652.0, 5370.0, 5311.0, 5619.0, 5274.0, 5682.0, 5617.0, 5600.0, 5607.0, 5293.0, 5425.0, 5418.0, 5314.0, 5541.0, 5464.0, 5667.0, 5476.0, 5630.0, 5253.0, 5426.0, 5294.0, 5612.0, 5561.0, 5698.0, 5715.0, 5602.0, 5483.0, 5679.0, 5500.0, 5470.0, 5626.0, 5717.0, 5442.0, 5380.0, 5662.0, 5338.0, 5284.0, 5665.0, 5490.0, 5472.0, 5420.0, 5332.0, 5436.0, 5592.0, 5710.0, 5331.0, 5351.0, 5589.0, 5635.0, 5638.0, 5572.0, 5317.0, 5422.0, 5629.0, 5292.0, 5325.0 (number of hits: 30)
16	5570.0	9	1.0	333	1	5517.0, 5589.0, 5318.0, 5542.0, 5350.0, 5534.0, 5649.0, 5580.0, 5560.0, 5469.0, 5424.0, 5459.0, 5372.0, 5496.0, 5389.0, 5652.0, 5595.0, 5491.0, 5465.0, 5416.0, 5413.0, 5531.0, 5547.0, 5363.0, 5612.0, 5635.0, 5681.0, 5650.0, 5676.0, 5524.0, 5571.0, 5378.0, 5327.0, 5458.0, 5602.0, 5366.0, 5320.0, 5577.0, 5404.0, 5684.0, 5520.0, 5513.0, 5562.0, 5480.0, 5659.0, 5543.0, 5503.0, 5331.0, 5514.0, 5463.0, 5423.0, 5678.0, 5585.0, 5293.0, 5723.0, 5665.0, 5484.0, 5669.0, 5273.0, 5709.0, 5510.0, 5500.0, 5655.0, 5306.0, 5628.0, 5310.0, 5259.0, 5364.0, 5594.0, 5512.0, 5561.0, 5438.0, 5434.0, 5307.0, 5691.0, 5692.0, 5283.0, 5554.0, 5321.0, 5400.0, 5722.0, 5509.0, 5445.0, 5369.0, 5660.0, 5596.0, 5521.0, 5287.0, 5436.0, 5490.0, 5556.0, 5471.0, 5559.0, 5714.0, 5381.0, 5305.0, 5340.0, 5566.0, 5695.0, 5460.0 (number of hits: 36)
17	5570.0	9	1.0	333	1	5391.0, 5543.0, 5713.0, 5290.0, 5363.0, 5425.0, 5625.0, 5380.0, 5339.0, 5557.0, 5631.0, 5383.0, 5455.0, 5665.0, 5470.0, 5549.0, 5655.0, 5559.0, 5456.0, 5547.0, 5448.0, 5658.0, 5507.0, 5657.0, 5690.0, 5635.0, 5550.0, 5342.0, 5284.0, 5406.0, 5722.0, 5329.0, 5632.0, 5452.0, 5270.0, 5694.0, 5480.0, 5393.0, 5564.0, 5495.0, 5601.0, 5411.0, 5610.0, 5313.0, 5681.0, 5321.0, 5623.0, 5570.0, 5459.0, 5539.0, 5503.0, 5485.0, 5541.0, 5502.0, 5330.0, 5387.0, 5261.0, 5317.0, 5375.0, 5714.0, 5527.0, 5505.0, 5418.0, 5397.0, 5385.0, 5427.0, 5683.0, 5271.0, 5545.0, 5678.0, 5457.0, 5586.0, 5589.0, 5653.0, 5540.0, 5311.0, 5405.0, 5388.0, 5377.0, 5352.0, 5532.0, 5300.0, 5615.0, 5422.0, 5484.0, 5399.0, 5491.0, 5327.0, 5278.0, 5680.0, 5620.0, 5274.0, 5381.0, 5251.0, 5616.0, 5591.0, 5420.0, 5415.0, 5398.0, 5378.0 (number of hits: 32)
18	5570.0	9	1.0	333	1	5607.0, 5673.0, 5281.0, 5679.0, 5686.0, 5276.0, 5496.0, 5652.0, 5413.0, 5332.0, 5670.0, 5486.0, 5345.0, 5289.0, 5309.0, 5397.0, 5271.0, 5721.0, 5463.0, 5412.0, 5310.0, 5479.0, 5336.0, 5365.0, 5469.0, 5683.0, 5432.0, 5431.0, 5630.0, 5537.0, 5513.0, 5342.0, 5402.0, 5417.0, 5620.0, 5501.0, 5519.0, 5372.0, 5440.0, 5328.0, 5692.0, 5441.0, 5634.0, 5564.0, 5660.0, 5642.0, 5465.0, 5389.0, 5256.0, 5551.0, 5574.0, 5292.0, 5525.0, 5426.0, 5572.0, 5406.0, 5599.0, 5658.0, 5323.0, 5390.0, 5371.0, 5388.0, 5580.0, 5459.0, 5387.0, 5703.0, 5374.0, 5367.0, 5419.0, 5603.0, 5331.0, 5464.0, 5659.0, 5511.0, 5609.0, 5473.0, 5567.0, 5321.0, 5678.0, 5650.0, 5435.0, 5718.0, 5573.0, 5378.0, 5657.0, 5339.0, 5505.0, 5351.0, 5596.0, 5520.0, 5302.0, 5619.0, 5455.0, 5677.0, 5460.0, 5280.0, 5690.0, 5254.0, 5474.0, 5324.0 (number of hits: 26)
19	5570.0	9	1.0	333	1	5494.0, 5351.0, 5617.0, 5526.0, 5615.0, 5267.0, 5534.0, 5363.0, 5339.0, 5298.0, 5576.0, 5448.0, 5365.0, 5294.0, 5418.0, 5718.0, 5651.0, 5556.0, 5467.0, 5348.0, 5602.0, 5586.0, 5271.0, 5325.0, 5386.0, 5497.0, 5270.0, 5587.0, 5338.0, 5491.0, 5583.0, 5519.0, 5433.0, 5515.0, 5558.0, 5276.0, 5703.0, 5512.0, 5358.0, 5564.0, 5350.0, 5517.0, 5253.0, 5521.0, 5260.0, 5401.0, 5283.0, 5570.0, 5701.0, 5485.0, 5282.0, 5661.0, 5698.0, 5710.0, 5641.0, 5708.0, 5593.0, 5302.0, 5375.0, 5549.0, 5630.0, 5345.0, 5483.0, 5357.0,

						5659.0, 5379.0, 5303.0, 5490.0, 5342.0, 5601.0, 5430.0, 5714.0, 5327.0, 5486.0, 5559.0, 5688.0, 5258.0, 5707.0, 5427.0, 5332.0, 5663.0, 5377.0, 5394.0, 5533.0, 5479.0, 5478.0, 5520.0, 5510.0, 5711.0, 5537.0, 5444.0, 5649.0, 5291.0, 5681.0, 5527.0, 5662.0, 5673.0, 5566.0, 5457.0, 5507.0 (number of hits: 33)
20	5570.0	9	1.0	333	1	5674.0, 5499.0, 5683.0, 5505.0, 5483.0, 5556.0, 5307.0, 5482.0, 5624.0, 5465.0, 5306.0, 5502.0, 5272.0, 5405.0, 5303.0, 5443.0, 5484.0, 5554.0, 5570.0, 5534.0, 5597.0, 5347.0, 5413.0, 5662.0, 5435.0, 5278.0, 5343.0, 5423.0, 5397.0, 5626.0, 5584.0, 5720.0, 5541.0, 5585.0, 5391.0, 5669.0, 5489.0, 5439.0, 5267.0, 5285.0, 5349.0, 5579.0, 5618.0, 5450.0, 5464.0, 5513.0, 5454.0, 5529.0, 5583.0, 5342.0, 5309.0, 5419.0, 5506.0, 5430.0, 5365.0, 5629.0, 5558.0, 5372.0, 5322.0, 5524.0, 5620.0, 5452.0, 5672.0, 5582.0, 5600.0, 5293.0, 5717.0, 5255.0, 5338.0, 5331.0, 5632.0, 5588.0, 5264.0, 5613.0, 5656.0, 5660.0, 5590.0, 5644.0, 5358.0, 5312.0, 5628.0, 5417.0, 5427.0, 5477.0, 5525.0, 5547.0, 5424.0, 5458.0, 5679.0, 5262.0, 5706.0, 5254.0, 5531.0, 5519.0, 5676.0, 5388.0, 5361.0, 5488.0, 5283.0, 5304.0 (number of hits: 35)
21	5570.0	9	1.0	333	1	5601.0, 5431.0, 5682.0, 5347.0, 5439.0, 5616.0, 5483.0, 5618.0, 5659.0, 5539.0, 5469.0, 5647.0, 5260.0, 5573.0, 5583.0, 5636.0, 5392.0, 5423.0, 5472.0, 5458.0, 5496.0, 5327.0, 5354.0, 5552.0, 5281.0, 5546.0, 5253.0, 5666.0, 5560.0, 5478.0, 5699.0, 5637.0, 5280.0, 5540.0, 5721.0, 5287.0, 5342.0, 5508.0, 5370.0, 5697.0, 5304.0, 5691.0, 5430.0, 5497.0, 5620.0, 5548.0, 5559.0, 5686.0, 5442.0, 5612.0, 5507.0, 5335.0, 5396.0, 5695.0, 5411.0, 5605.0, 5383.0, 5481.0, 5591.0, 5299.0, 5452.0, 5366.0, 5661.0, 5680.0, 5295.0, 5669.0, 5723.0, 5653.0, 5381.0, 5267.0, 5501.0, 5313.0, 5558.0, 5258.0, 5724.0, 5301.0, 5596.0, 5314.0, 5594.0, 5668.0, 5628.0, 5270.0, 5434.0, 5255.0, 5646.0, 5318.0, 5599.0, 5289.0, 5526.0, 5517.0, 5453.0, 5567.0, 5709.0, 5595.0, 5530.0, 5603.0, 5504.0, 5561.0, 5455.0, 5619.0 (number of hits: 39)
22	5570.0	9	1.0	333	1	5699.0, 5696.0, 5346.0, 5532.0, 5364.0, 5509.0, 5625.0, 5385.0, 5589.0, 5689.0, 5626.0, 5646.0, 5576.0, 5434.0, 5352.0, 5325.0, 5371.0, 5520.0, 5359.0, 5476.0, 5478.0, 5391.0, 5548.0, 5270.0, 5593.0, 5373.0, 5378.0, 5362.0, 5355.0, 5450.0, 5457.0, 5310.0, 5531.0, 5387.0, 5690.0, 5258.0, 5665.0, 5663.0, 5569.0, 5338.0, 5518.0, 5394.0, 5306.0, 5637.0, 5587.0, 5298.0, 5368.0, 5397.0, 5273.0, 5324.0, 5683.0, 5291.0, 5671.0, 5380.0, 5642.0, 5332.0, 5605.0, 5627.0, 5715.0, 5565.0, 5592.0, 5437.0, 5280.0, 5483.0, 5524.0, 5521.0, 5553.0, 5680.0, 5408.0, 5316.0, 5588.0, 5722.0, 5550.0, 5259.0, 5281.0, 5430.0, 5506.0, 5252.0, 5577.0, 5257.0, 5669.0, 5551.0, 5674.0, 5649.0, 5376.0, 5608.0, 5312.0, 5631.0, 5552.0, 5260.0, 5340.0, 5612.0, 5682.0, 5467.0, 5363.0, 5679.0, 5706.0, 5460.0, 5604.0, 5614.0 (number of hits: 34)
23	5570.0	9	1.0	333	1	5467.0, 5498.0, 5676.0, 5423.0, 5434.0, 5717.0, 5504.0, 5360.0, 5553.0, 5604.0, 5608.0, 5301.0, 5457.0, 5281.0, 5253.0, 5324.0, 5540.0, 5593.0, 5579.0, 5446.0, 5336.0, 5718.0, 5503.0, 5548.0, 5549.0, 5614.0, 5530.0, 5569.0, 5418.0, 5602.0, 5272.0, 5544.0, 5633.0, 5422.0, 5438.0, 5599.0, 5452.0, 5635.0, 5390.0, 5322.0, 5613.0, 5359.0, 5273.0, 5389.0, 5626.0, 5575.0, 5332.0, 5250.0, 5533.0, 5518.0, 5707.0, 5348.0, 5605.0, 5672.0, 5708.0, 5428.0, 5571.0, 5716.0, 5523.0, 5583.0, 5574.0, 5634.0, 5487.0, 5344.0, 5684.0, 5439.0, 5361.0, 5275.0, 5656.0, 5254.0, 5307.0, 5308.0, 5513.0, 5570.0, 5651.0, 5462.0, 5290.0, 5414.0, 5355.0, 5573.0, 5541.0, 5721.0, 5377.0, 5271.0, 5447.0, 5617.0, 5704.0, 5436.0, 5668.0, 5401.0, 5719.0, 5674.0, 5702.0, 5262.0, 5638.0, 5600.0, 5404.0, 5437.0, 5644.0, 5516.0 (number of hits: 39)
24	5570.0	9	1.0	333	1	5632.0, 5457.0, 5546.0, 5630.0, 5298.0, 5540.0, 5303.0, 5664.0, 5395.0, 5721.0, 5267.0, 5484.0, 5616.0, 5421.0, 5377.0, 5676.0, 5299.0, 5527.0, 5290.0, 5289.0, 5252.0, 5623.0, 5612.0, 5380.0, 5388.0, 5429.0, 5372.0, 5328.0, 5364.0, 5544.0, 5404.0, 5428.0, 5490.0, 5599.0, 5355.0, 5362.0, 5387.0, 5555.0, 5496.0, 5399.0,

						5643.0, 5270.0, 5451.0, 5631.0, 5301.0, 5412.0, 5371.0, 5323.0, 5471.0, 5706.0, 5644.0, 5430.0, 5621.0, 5589.0, 5614.0, 5636.0, 5435.0, 5381.0, 5413.0, 5566.0, 5554.0, 5434.0, 5326.0, 5363.0, 5558.0, 5300.0, 5710.0, 5699.0, 5711.0, 5691.0, 5444.0, 5714.0, 5622.0, 5519.0, 5426.0, 5335.0, 5660.0, 5491.0, 5673.0, 5463.0, 5287.0, 5419.0, 5615.0, 5304.0, 5525.0, 5314.0, 5345.0, 5272.0, 5282.0, 5329.0, 5347.0, 5283.0, 5659.0, 5379.0, 5448.0, 5520.0, 5709.0, 5647.0, 5700.0, 5359.0 (number of hits: 28)
25	5570.0	9	1.0	333	1	5556.0, 5714.0, 5680.0, 5489.0, 5296.0, 5264.0, 5577.0, 5499.0, 5601.0, 5318.0, 5540.0, 5547.0, 5440.0, 5689.0, 5484.0, 5657.0, 5642.0, 5557.0, 5566.0, 5412.0, 5670.0, 5345.0, 5693.0, 5549.0, 5277.0, 5406.0, 5504.0, 5521.0, 5308.0, 5392.0, 5663.0, 5564.0, 5326.0, 5382.0, 5643.0, 5262.0, 5610.0, 5676.0, 5520.0, 5559.0, 5416.0, 5282.0, 5550.0, 5322.0, 5651.0, 5530.0, 5675.0, 5368.0, 5334.0, 5506.0, 5634.0, 5546.0, 5723.0, 5707.0, 5492.0, 5335.0, 5518.0, 5436.0, 5317.0, 5258.0, 5632.0, 5526.0, 5339.0, 5638.0, 5618.0, 5261.0, 5664.0, 5603.0, 5270.0, 5656.0, 5532.0, 5355.0, 5677.0, 5448.0, 5697.0, 5654.0, 5315.0, 5686.0, 5578.0, 5432.0, 5666.0, 5300.0, 5527.0, 5633.0, 5505.0, 5419.0, 5330.0, 5596.0, 5477.0, 5401.0, 5328.0, 5437.0, 5287.0, 5562.0, 5439.0, 5682.0, 5662.0, 5720.0, 5607.0, 5585.0 (number of hits: 38)
26	5570.0	9	1.0	333	1	5665.0, 5662.0, 5400.0, 5360.0, 5488.0, 5477.0, 5659.0, 5431.0, 5345.0, 5530.0, 5283.0, 5539.0, 5316.0, 5475.0, 5386.0, 5609.0, 5327.0, 5430.0, 5519.0, 5348.0, 5588.0, 5281.0, 5298.0, 5540.0, 5666.0, 5334.0, 5565.0, 5504.0, 5353.0, 5723.0, 5414.0, 5586.0, 5350.0, 5682.0, 5672.0, 5463.0, 5351.0, 5292.0, 5425.0, 5446.0, 5514.0, 5526.0, 5393.0, 5598.0, 5399.0, 5525.0, 5421.0, 5482.0, 5341.0, 5590.0, 5267.0, 5415.0, 5371.0, 5478.0, 5679.0, 5458.0, 5464.0, 5315.0, 5545.0, 5495.0, 5512.0, 5325.0, 5520.0, 5522.0, 5257.0, 5484.0, 5705.0, 5657.0, 5721.0, 5550.0, 5405.0, 5395.0, 5310.0, 5460.0, 5618.0, 5329.0, 5453.0, 5311.0, 5290.0, 5490.0, 5277.0, 5696.0, 5447.0, 5718.0, 5317.0, 5636.0, 5646.0, 5548.0, 5692.0, 5471.0, 5694.0, 5517.0, 5455.0, 5369.0, 5660.0, 5639.0, 5379.0, 5612.0, 5722.0, 5487.0 (number of hits: 27)
27	5570.0	9	1.0	333	1	5549.0, 5352.0, 5384.0, 5322.0, 5280.0, 5489.0, 5666.0, 5579.0, 5691.0, 5485.0, 5369.0, 5533.0, 5419.0, 5573.0, 5631.0, 5700.0, 5342.0, 5366.0, 5315.0, 5399.0, 5491.0, 5330.0, 5354.0, 5271.0, 5414.0, 5476.0, 5471.0, 5682.0, 5370.0, 5470.0, 5604.0, 5595.0, 5661.0, 5439.0, 5334.0, 5275.0, 5272.0, 5706.0, 5591.0, 5389.0, 5574.0, 5269.0, 5257.0, 5523.0, 5258.0, 5458.0, 5588.0, 5675.0, 5339.0, 5478.0, 5559.0, 5600.0, 5266.0, 5603.0, 5430.0, 5391.0, 5664.0, 5410.0, 5688.0, 5450.0, 5647.0, 5255.0, 5310.0, 5665.0, 5494.0, 5594.0, 5659.0, 5302.0, 5474.0, 5638.0, 5629.0, 5554.0, 5459.0, 5299.0, 5298.0, 5686.0, 5353.0, 5345.0, 5653.0, 5473.0, 5428.0, 5689.0, 5721.0, 5477.0, 5627.0, 5722.0, 5496.0, 5344.0, 5420.0, 5719.0, 5658.0, 5681.0, 5397.0, 5639.0, 5640.0, 5262.0, 5357.0, 5699.0, 5305.0, 5327.0 (number of hits: 24)
28	5570.0	9	1.0	333	1	5284.0, 5388.0, 5487.0, 5685.0, 5724.0, 5472.0, 5474.0, 5691.0, 5431.0, 5271.0, 5354.0, 5425.0, 5399.0, 5672.0, 5627.0, 5335.0, 5456.0, 5260.0, 5679.0, 5286.0, 5435.0, 5604.0, 5548.0, 5408.0, 5719.0, 5420.0, 5670.0, 5639.0, 5636.0, 5397.0, 5720.0, 5583.0, 5489.0, 5480.0, 5262.0, 5349.0, 5632.0, 5297.0, 5384.0, 5567.0, 5485.0, 5317.0, 5644.0, 5676.0, 5492.0, 5528.0, 5359.0, 5468.0, 5540.0, 5280.0, 5341.0, 5484.0, 5571.0, 5449.0, 5488.0, 5424.0, 5573.0, 5299.0, 5345.0, 5576.0, 5626.0, 5268.0, 5419.0, 5694.0, 5365.0, 5440.0, 5658.0, 5614.0, 5259.0, 5418.0, 5525.0, 5439.0, 5592.0, 5673.0, 5261.0, 5607.0, 5316.0, 5617.0, 5362.0, 5296.0, 5547.0, 5409.0, 5481.0, 5350.0, 5298.0, 5404.0, 5320.0, 5257.0, 5283.0, 5264.0, 5373.0, 5664.0, 5360.0, 5546.0, 5714.0, 5630.0, 5498.0, 5561.0, 5470.0, 5256.0 (number of hits: 26)
29	5570.0	9	1.0	333	1	5318.0, 5392.0, 5525.0, 5407.0, 5404.0, 5307.0, 5524.0, 5715.0, 5304.0, 5551.0, 5308.0, 5288.0, 5646.0, 5633.0, 5505.0, 5645.0,

						5589.0, 5532.0, 5473.0, 5287.0, 5704.0, 5552.0, 5314.0, 5712.0, 5415.0, 5476.0, 5609.0, 5629.0, 5435.0, 5372.0, 5497.0, 5388.0, 5357.0, 5611.0, 5494.0, 5541.0, 5681.0, 5323.0, 5503.0, 5348.0, 5310.0, 5371.0, 5445.0, 5615.0, 5294.0, 5295.0, 5550.0, 5538.0, 5607.0, 5495.0, 5324.0, 5616.0, 5684.0, 5601.0, 5429.0, 5640.0, 5349.0, 5675.0, 5527.0, 5437.0, 5457.0, 5279.0, 5315.0, 5290.0, 5592.0, 5661.0, 5451.0, 5274.0, 5331.0, 5359.0, 5364.0, 5329.0, 5312.0, 5692.0, 5522.0, 5648.0, 5382.0, 5284.0, 5251.0, 5443.0, 5257.0, 5669.0, 5639.0, 5374.0, 5515.0, 5252.0, 5472.0, 5379.0, 5600.0, 5547.0, 5605.0, 5529.0, 5678.0, 5659.0, 5406.0, 5427.0, 5504.0, 5376.0, 5687.0, 5709.0 (number of hits: 35)
30	5570.0	9	1.0	333	1	5329.0, 5528.0, 5274.0, 5441.0, 5631.0, 5658.0, 5717.0, 5557.0, 5512.0, 5484.0, 5437.0, 5459.0, 5295.0, 5622.0, 5319.0, 5464.0, 5318.0, 5461.0, 5698.0, 5511.0, 5350.0, 5347.0, 5699.0, 5700.0, 5443.0, 5404.0, 5278.0, 5429.0, 5709.0, 5684.0, 5545.0, 5580.0, 5542.0, 5277.0, 5454.0, 5532.0, 5667.0, 5294.0, 5581.0, 5584.0, 5379.0, 5635.0, 5648.0, 5270.0, 5444.0, 5649.0, 5409.0, 5262.0, 5365.0, 5296.0, 5572.0, 5316.0, 5400.0, 5291.0, 5257.0, 5269.0, 5639.0, 5527.0, 5707.0, 5253.0, 5419.0, 5603.0, 5500.0, 5290.0, 5266.0, 5526.0, 5614.0, 5374.0, 5254.0, 5411.0, 5487.0, 5556.0, 5687.0, 5363.0, 5665.0, 5332.0, 5368.0, 5351.0, 5259.0, 5470.0, 5530.0, 5325.0, 5314.0, 5501.0, 5564.0, 5445.0, 5410.0, 5678.0, 5428.0, 5481.0, 5354.0, 5337.0, 5596.0, 5284.0, 5628.0, 5408.0, 5256.0, 5383.0, 5263.0, 5706.0 (number of hits: 26)

10 Annex A - UUT DFS Setup Photographs

Please refer to Attachment.

11 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

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