

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	1	11	55.7			0.454616	1
1	3	11	68.2	1251	1391	1.310120	
2	1	11	69.2			1.641090	
3	2	11	83.6	1778		2.022834	
4	2	11	78.9	1792		3.165561	
5	1	11	75.3			3.764050	
6	2	11	77.1	1071		4.236341	
7	2	11	50.6	1797		4.983115	
8	2	11	95.0	1232		5.952997	
9	2	11	89.2	1704		6.590246	
10	2	11	58.5	1143		7.046559	
11	2	11	77.2	1804		7.842087	
12	2	11	76.7	1751		8.530153	
13	1	11	58.2			8.679974	
14	1	11	56.4			9.462863	
15	2	11	66.0	1031		10.558468	
16	2	11	74.7	1487		10.898061	
17	1	11	84.4			11.719243	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	73.3	1975		0.489259	1
1	1	13	96.2			1.243422	
2	3	13	71.9	1014	1980	1.963056	
3	1	13	76.3			2.478807	
4	1	13	88.1			3.173959	
5	3	13	96.8	1586	1253	3.435740	
6	2	13	86.1	1337		4.260382	
7	3	13	62.0	1267	1704	5.069547	
8	1	13	90.0			5.402925	
9	1	13	57.0			6.239164	
10	1	13	55.9			7.026787	
11	2	13	53.9	1288		7.877000	
12	2	13	98.7	1664		8.580847	
13	3	13	79.3	1920	1153	9.188029	
14	2	13	86.2	1159		9.545784	
15	3	13	85.5	1186	1553	10.140822	
16	3	13	74.3	1229	1335	11.269993	
17	3	13	82.6	1584	1021	11.757376	

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	65.8			0.427946	1
1	2	6	87.9	1601		0.941413	
2	1	6	97.2			1.636029	
3	2	6	57.4	1971		1.960371	
4	2	6	56.6	1720		2.644461	
5	3	6	97.6	1837	1190	3.675510	
6	2	6	76.1	1099		4.269565	
7	3	6	99.1	1701	1282	5.018711	
8	3	6	57.2	1417	1267	5.596206	
9	1	6	65.8			5.756955	
10	2	6	55.1	1563		6.751435	
11	3	6	56.1	1061	1775	7.202474	
12	2	6	83.6	1711		7.634148	
13	1	6	82.9			8.531292	
14	3	6	82.1	1773	1844	9.287225	
15	1	6	76.6			9.509225	
16	1	6	93.7			10.697823	
17	3	6	60.2	1207	1368	10.935477	
18	2	6	69.7	1379		11.583563	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	77.5	1321	1206	1.149074	1
1	2	19	81.9	1046		1.693432	
2	2	19	81.5	1916		3.551304	
3	3	19	73.4	1460	1034	5.047364	
4	2	19	80.9	1896		6.745372	
5	3	19	99.8	1613	1065	7.846876	
6	3	19	76.9	1903	1098	10.210930	
7	3	19	97.4	1015	1092	11.109483	

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	18	68.1			0.733078	1
1	3	18	57.3	1140	1860	1.499905	
2	2	18	67.5	1746		2.504064	
3	3	18	73.6	1660	1140	3.618671	
4	2	18	82.4	1098		4.559668	
5	2	18	93.4	1163		5.529282	
6	2	18	63.9	1511		6.016896	
7	3	18	57.7	1637	1543	7.533224	
8	2	18	85.8	1301		8.266362	
9	2	18	67.1	1432		9.974203	
10	1	18	73.7			10.916044	
11	1	18	95.3			11.067225	

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	9	94.7	1950		0.303625	1
1	2	9	77.8	1321		0.928944	
2	2	9	70.8	1908		1.690834	
3	1	9	56.4			2.030718	
4	2	9	53.0	1006		2.881040	
5	2	9	70.9	1551		3.333522	
6	2	9	96.0	1300		4.077071	
7	3	9	74.5	1342	1580	5.247595	
8	1	9	90.6			5.726290	
9	2	9	61.9	1899		6.545049	
10	1	9	95.3			6.849070	
11	1	9	92.4			7.995644	
12	2	9	64.1	1171		8.101376	
13	3	9	75.5	1839	1283	8.966781	
14	2	9	88.2	1988		9.356767	
15	1	9	76.8			10.136820	
16	2	9	73.8	1174		11.321946	
17	2	9	54.0	1740		11.663953	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	77.4	1942	1721	0.946663	1
1	2	10	66.1	1911		1.449108	
2	3	10	85.1	1249	1151	2.792564	
3	3	10	71.3	1100	1463	3.819151	
4	3	10	82.9	1939	1932	4.702608	
5	2	10	67.9	1783		5.608549	
6	3	10	96.4	1594	1189	7.423884	
7	3	10	97.8	1733	1207	8.461437	
8	2	10	58.7	1672		9.259242	
9	2	10	90.8	1542		10.326058	
10	1	10	73.4			11.698845	

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	13	57.9			0.116688	1
1	2	13	96.5	1303		1.296103	
2	2	13	78.8	1823		1.785105	
3	3	13	88.5	1866	1805	3.058052	
4	3	13	82.5	1587	1422	3.608928	
5	1	13	84.7			4.616200	
6	2	13	68.1	1276		5.423759	
7	3	13	90.2	1196	1551	5.757422	
8	3	13	51.1	1310	1860	6.551575	
9	2	13	51.6	1763		7.752116	
10	3	13	87.7	1922	1703	8.166881	
11	1	13	99.1			9.209190	
12	2	13	58.8	1344		9.835376	
13	1	13	95.2			11.013973	
14	1	13	90.9			11.633117	

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	11	86.8	1469		0.254859	1
1	1	11	64.7			1.388181	
2	3	11	67.2	1414	1957	1.769060	
3	3	11	53.9	1678	1065	2.739691	
4	2	11	88.7	1023		3.623776	
5	2	11	89.6	1494		3.914793	
6	1	11	52.4			4.780717	
7	2	11	57.5	1613		5.617271	
8	3	11	90.9	1851	1197	6.007205	
9	3	11	99.4	1582	1579	6.981205	
10	2	11	65.3	1277		8.222086	
11	3	11	56.3	1241	1991	8.727718	
12	1	11	83.3			9.223387	
13	1	11	64.1			10.154815	
14	1	11	76.3			10.606739	
15	2	11	99.0	1359		11.606671	

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	15	53.5	1578		0.243305	1
1	1	15	72.7			0.861084	
2	2	15	57.4	1193		1.605354	
3	1	15	89.0			2.269902	
4	2	15	52.7	1446		2.721868	
5	3	15	53.5	1390	1847	3.624502	
6	2	15	66.5	1278		4.612491	
7	3	15	85.3	1994	1817	4.864060	
8	2	15	89.5	1896		5.471035	
9	3	15	82.8	1820	1758	6.229616	
10	2	15	51.1	1465		7.020175	
11	1	15	55.0			7.464386	
12	2	15	85.6	1371		8.319670	
13	2	15	81.2	1022		8.948548	
14	2	15	91.5	1848		9.388308	
15	3	15	78.7	1923	1783	10.635268	
16	1	15	78.8			10.829504	
17	2	15	85.5	1236		11.442544	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500.0	9	1.0	333	1	5579.0, 5361.0, 5512.0, 5475.0, 5545.0, 5638.0, 5379.0, 5294.0, 5561.0, 5569.0, 5464.0, 5387.0, 5369.0, 5640.0, 5495.0, 5529.0, 5476.0, 5507.0, 5688.0, 5533.0, 5660.0, 5570.0, 5590.0, 5560.0, 5295.0, 5392.0, 5603.0, 5670.0, 5718.0, 5351.0, 5406.0, 5332.0, 5523.0, 5403.0, 5388.0, 5425.0, 5696.0, 5447.0, 5647.0, 5565.0, 5505.0, 5250.0, 5480.0, 5410.0, 5353.0, 5616.0, 5656.0, 5454.0, 5279.0, 5635.0, 5288.0, 5336.0, 5343.0, 5357.0, 5704.0, 5621.0, 5639.0, 5492.0, 5620.0, 5567.0, 5349.0, 5445.0, 5424.0, 5324.0, 5339.0, 5312.0, 5600.0, 5380.0, 5661.0, 5458.0, 5269.0, 5298.0, 5605.0, 5577.0, 5622.0, 5301.0, 5572.0, 5654.0, 5624.0, 5629.0, 5585.0, 5338.0, 5593.0, 5304.0, 5558.0, 5418.0, 5653.0, 5325.0, 5422.0, 5584.0, 5614.0, 5712.0, 5535.0, 5705.0, 5548.0, 5489.0, 5679.0, 5350.0, 5477.0, 5323.0 (number of hits: 4)
2	5500.0	9	1.0	333	1	5388.0, 5567.0, 5609.0, 5324.0, 5492.0, 5669.0, 5533.0, 5267.0, 5543.0, 5306.0, 5615.0, 5457.0, 5385.0, 5674.0, 5711.0, 5431.0, 5428.0, 5563.0, 5540.0, 5375.0, 5625.0, 5682.0, 5517.0, 5447.0, 5303.0, 5532.0, 5398.0, 5296.0, 5317.0, 5472.0, 5493.0, 5649.0, 5455.0, 5419.0, 5613.0, 5514.0, 5709.0, 5672.0, 5293.0, 5327.0, 5384.0, 5274.0, 5354.0, 5288.0, 5424.0, 5273.0, 5474.0, 5359.0, 5662.0, 5654.0, 5521.0, 5641.0, 5574.0, 5361.0, 5503.0, 5586.0, 5644.0, 5339.0, 5322.0, 5589.0, 5289.0, 5344.0, 5578.0, 5546.0, 5597.0, 5284.0, 5252.0, 5657.0, 5467.0, 5370.0, 5692.0, 5353.0, 5421.0, 5549.0, 5444.0, 5280.0, 5656.0, 5287.0, 5368.0, 5413.0, 5470.0, 5651.0, 5585.0, 5441.0, 5542.0, 5570.0, 5676.0, 5309.0, 5500.0, 5686.0, 5269.0, 5612.0, 5535.0, 5313.0, 5278.0, 5670.0, 5550.0, 5416.0, 5537.0, 5312.0 (number of hits: 4)
3	5500.0	9	1.0	333	1	5341.0, 5343.0, 5661.0, 5696.0, 5287.0, 5281.0, 5614.0, 5471.0, 5700.0, 5466.0, 5417.0, 5414.0, 5691.0, 5523.0, 5648.0, 5425.0, 5362.0, 5332.0, 5323.0, 5595.0, 5412.0, 5506.0, 5300.0, 5605.0, 5722.0, 5325.0, 5540.0, 5579.0, 5264.0, 5533.0, 5302.0, 5444.0, 5386.0, 5290.0, 5675.0, 5710.0, 5456.0, 5711.0, 5399.0, 5289.0, 5337.0, 5559.0, 5693.0, 5372.0, 5476.0, 5686.0, 5262.0, 5724.0, 5392.0, 5410.0, 5689.0, 5457.0, 5509.0, 5680.0, 5368.0, 5296.0, 5295.0, 5592.0, 5672.0, 5288.0, 5468.0, 5690.0, 5567.0, 5701.0, 5260.0, 5525.0, 5313.0, 5656.0, 5380.0, 5544.0, 5584.0, 5714.0, 5347.0, 5647.0, 5516.0, 5440.0, 5307.0, 5374.0, 5350.0, 5301.0, 5499.0, 5378.0, 5318.0, 5331.0, 5607.0, 5697.0, 5658.0, 5639.0, 5384.0, 5574.0, 5400.0, 5622.0, 5683.0, 5554.0, 5497.0, 5461.0, 5252.0, 5344.0, 5439.0, 5555.0 (number of hits: 4)
4	5500.0	9	1.0	333	1	5479.0, 5274.0, 5519.0, 5315.0, 5589.0, 5403.0, 5427.0, 5637.0, 5352.0, 5647.0, 5375.0, 5423.0, 5485.0, 5444.0, 5558.0, 5439.0, 5491.0, 5669.0, 5582.0, 5336.0, 5709.0, 5404.0, 5661.0, 5584.0, 5493.0, 5402.0, 5447.0, 5450.0, 5580.0, 5604.0, 5472.0, 5251.0, 5680.0, 5370.0, 5620.0, 5346.0, 5668.0, 5630.0, 5477.0, 5542.0, 5416.0, 5443.0, 5489.0, 5691.0, 5690.0, 5366.0, 5509.0, 5596.0, 5377.0, 5704.0, 5644.0, 5457.0, 5442.0, 5326.0, 5594.0, 5400.0, 5454.0, 5548.0, 5532.0, 5522.0, 5340.0, 5469.0, 5512.0, 5629.0, 5438.0, 5421.0, 5588.0, 5280.0, 5544.0, 5362.0,

						5490.0, 5268.0, 5550.0, 5481.0, 5259.0, 5698.0, 5576.0, 5626.0, 5651.0, 5619.0, 5413.0, 5692.0, 5255.0, 5473.0, 5695.0, 5720.0, 5388.0, 5365.0, 5420.0, 5676.0, 5459.0, 5711.0, 5571.0, 5312.0, 5697.0, 5570.0, 5422.0, 5330.0, 5387.0, 5701.0 (number of hits: 4)
5	5500.0	9	1.0	333	1	5717.0, 5696.0, 5563.0, 5298.0, 5327.0, 5683.0, 5587.0, 5276.0, 5604.0, 5688.0, 5432.0, 5603.0, 5334.0, 5515.0, 5596.0, 5493.0, 5617.0, 5428.0, 5678.0, 5605.0, 5616.0, 5401.0, 5583.0, 5282.0, 5261.0, 5420.0, 5368.0, 5398.0, 5591.0, 5570.0, 5447.0, 5545.0, 5571.0, 5532.0, 5418.0, 5395.0, 5611.0, 5446.0, 5572.0, 5595.0, 5430.0, 5714.0, 5677.0, 5460.0, 5375.0, 5265.0, 5531.0, 5448.0, 5380.0, 5666.0, 5673.0, 5723.0, 5442.0, 5311.0, 5541.0, 5331.0, 5720.0, 5338.0, 5348.0, 5406.0, 5256.0, 5489.0, 5698.0, 5690.0, 5487.0, 5433.0, 5296.0, 5644.0, 5403.0, 5660.0, 5443.0, 5573.0, 5665.0, 5679.0, 5352.0, 5257.0, 5699.0, 5303.0, 5383.0, 5300.0, 5321.0, 5477.0, 5369.0, 5705.0, 5613.0, 5684.0, 5635.0, 5520.0, 5607.0, 5307.0, 5588.0, 5330.0, 5497.0, 5438.0, 5324.0, 5259.0, 5361.0, 5549.0, 5483.0, 5251.0 (number of hits: 2)
6	5500.0	9	1.0	333	1	5349.0, 5451.0, 5278.0, 5397.0, 5361.0, 5405.0, 5330.0, 5693.0, 5369.0, 5256.0, 5632.0, 5650.0, 5432.0, 5411.0, 5699.0, 5468.0, 5357.0, 5356.0, 5681.0, 5506.0, 5667.0, 5482.0, 5499.0, 5610.0, 5399.0, 5624.0, 5445.0, 5588.0, 5285.0, 5444.0, 5342.0, 5531.0, 5666.0, 5676.0, 5695.0, 5450.0, 5327.0, 5481.0, 5634.0, 5718.0, 5323.0, 5257.0, 5335.0, 5648.0, 5437.0, 5401.0, 5251.0, 5564.0, 5379.0, 5606.0, 5487.0, 5620.0, 5724.0, 5329.0, 5535.0, 5528.0, 5543.0, 5414.0, 5661.0, 5457.0, 5492.0, 5510.0, 5645.0, 5527.0, 5391.0, 5340.0, 5365.0, 5461.0, 5550.0, 5677.0, 5633.0, 5392.0, 5287.0, 5532.0, 5704.0, 5318.0, 5541.0, 5714.0, 5560.0, 5656.0, 5364.0, 5663.0, 5491.0, 5422.0, 5413.0, 5496.0, 5607.0, 5479.0, 5320.0, 5426.0, 5388.0, 5313.0, 5538.0, 5495.0, 5563.0, 5353.0, 5603.0, 5687.0, 5529.0, 5402.0 (number of hits: 6)
7	5500.0	9	1.0	333	1	5264.0, 5471.0, 5586.0, 5289.0, 5499.0, 5637.0, 5686.0, 5298.0, 5685.0, 5482.0, 5529.0, 5605.0, 5569.0, 5663.0, 5514.0, 5595.0, 5498.0, 5385.0, 5468.0, 5291.0, 5404.0, 5574.0, 5349.0, 5394.0, 5502.0, 5721.0, 5564.0, 5413.0, 5643.0, 5343.0, 5432.0, 5710.0, 5683.0, 5440.0, 5319.0, 5594.0, 5517.0, 5485.0, 5421.0, 5533.0, 5362.0, 5547.0, 5450.0, 5664.0, 5679.0, 5720.0, 5436.0, 5326.0, 5660.0, 5542.0, 5577.0, 5538.0, 5427.0, 5546.0, 5392.0, 5401.0, 5285.0, 5271.0, 5280.0, 5354.0, 5389.0, 5273.0, 5355.0, 5520.0, 5541.0, 5583.0, 5347.0, 5259.0, 5458.0, 5379.0, 5375.0, 5405.0, 5424.0, 5447.0, 5437.0, 5353.0, 5518.0, 5409.0, 5644.0, 5513.0, 5292.0, 5296.0, 5642.0, 5435.0, 5548.0, 5510.0, 5515.0, 5705.0, 5479.0, 5393.0, 5320.0, 5366.0, 5270.0, 5706.0, 5508.0, 5608.0, 5537.0, 5316.0, 5439.0, 5486.0 (number of hits: 4)
8	5500.0	9	1.0	333	1	5510.0, 5594.0, 5516.0, 5431.0, 5512.0, 5472.0, 5528.0, 5326.0, 5507.0, 5293.0, 5334.0, 5624.0, 5367.0, 5689.0, 5446.0, 5497.0, 5324.0, 5525.0, 5540.0, 5553.0, 5321.0, 5479.0, 5284.0, 5478.0, 5521.0, 5402.0, 5592.0, 5254.0, 5361.0, 5577.0, 5329.0, 5581.0, 5571.0, 5623.0, 5396.0, 5562.0, 5289.0, 5566.0, 5421.0, 5529.0, 5467.0, 5471.0, 5713.0, 5292.0, 5489.0, 5313.0, 5593.0, 5432.0, 5491.0, 5391.0, 5452.0, 5681.0, 5348.0, 5322.0, 5721.0, 5636.0, 5266.0, 5379.0, 5700.0, 5580.0, 5282.0, 5719.0, 5575.0, 5605.0, 5299.0, 5404.0, 5558.0, 5433.0, 5440.0, 5629.0, 5418.0, 5703.0, 5364.0, 5310.0, 5454.0, 5539.0, 5515.0,

						5393.0, 5724.0, 5458.0, 5588.0, 5650.0, 5415.0, 5720.0, 5279.0, 5438.0, 5673.0, 5520.0, 5488.0, 5550.0, 5551.0, 5587.0, 5646.0, 5631.0, 5444.0, 5265.0, 5697.0, 5354.0, 5359.0, 5670.0 (number of hits: 3)
9	5500.0	9	1.0	333	1	5523.0, 5622.0, 5439.0, 5660.0, 5379.0, 5668.0, 5529.0, 5544.0, 5434.0, 5651.0, 5400.0, 5645.0, 5316.0, 5646.0, 5642.0, 5285.0, 5528.0, 5290.0, 5541.0, 5411.0, 5691.0, 5708.0, 5477.0, 5709.0, 5519.0, 5682.0, 5449.0, 5424.0, 5484.0, 5452.0, 5388.0, 5419.0, 5521.0, 5303.0, 5644.0, 5517.0, 5307.0, 5719.0, 5311.0, 5564.0, 5626.0, 5504.0, 5607.0, 5603.0, 5696.0, 5489.0, 5681.0, 5721.0, 5260.0, 5615.0, 5370.0, 5537.0, 5372.0, 5459.0, 5333.0, 5535.0, 5289.0, 5613.0, 5319.0, 5530.0, 5499.0, 5641.0, 5380.0, 5605.0, 5657.0, 5327.0, 5409.0, 5524.0, 5265.0, 5268.0, 5597.0, 5444.0, 5714.0, 5723.0, 5283.0, 5612.0, 5639.0, 5581.0, 5715.0, 5630.0, 5601.0, 5598.0, 5451.0, 5446.0, 5697.0, 5586.0, 5310.0, 5507.0, 5254.0, 5464.0, 5655.0, 5264.0, 5711.0, 5317.0, 5295.0, 5351.0, 5688.0, 5480.0, 5339.0, 5301.0 (number of hits: 3)
10	5500.0	9	1.0	333	1	5503.0, 5353.0, 5638.0, 5286.0, 5388.0, 5654.0, 5430.0, 5627.0, 5264.0, 5363.0, 5255.0, 5707.0, 5712.0, 5612.0, 5711.0, 5422.0, 5683.0, 5526.0, 5667.0, 5511.0, 5589.0, 5365.0, 5444.0, 5405.0, 5602.0, 5496.0, 5620.0, 5553.0, 5672.0, 5483.0, 5581.0, 5416.0, 5270.0, 5267.0, 5325.0, 5643.0, 5710.0, 5674.0, 5533.0, 5437.0, 5542.0, 5378.0, 5509.0, 5271.0, 5644.0, 5718.0, 5282.0, 5295.0, 5322.0, 5352.0, 5474.0, 5694.0, 5421.0, 5262.0, 5613.0, 5351.0, 5645.0, 5348.0, 5700.0, 5393.0, 5375.0, 5693.0, 5662.0, 5376.0, 5438.0, 5660.0, 5338.0, 5309.0, 5585.0, 5563.0, 5428.0, 5681.0, 5310.0, 5423.0, 5569.0, 5590.0, 5382.0, 5576.0, 5385.0, 5580.0, 5409.0, 5651.0, 5314.0, 5687.0, 5305.0, 5487.0, 5502.0, 5401.0, 5454.0, 5369.0, 5666.0, 5461.0, 5565.0, 5368.0, 5689.0, 5720.0, 5327.0, 5597.0, 5570.0, 5370.0 (number of hits: 4)
11	5500.0	9	1.0	333	1	5641.0, 5484.0, 5549.0, 5502.0, 5718.0, 5565.0, 5274.0, 5678.0, 5449.0, 5468.0, 5698.0, 5542.0, 5383.0, 5577.0, 5632.0, 5460.0, 5488.0, 5495.0, 5334.0, 5601.0, 5273.0, 5294.0, 5543.0, 5377.0, 5514.0, 5284.0, 5537.0, 5283.0, 5572.0, 5558.0, 5687.0, 5312.0, 5544.0, 5637.0, 5527.0, 5630.0, 5419.0, 5569.0, 5613.0, 5662.0, 5568.0, 5392.0, 5300.0, 5350.0, 5575.0, 5574.0, 5714.0, 5254.0, 5445.0, 5403.0, 5509.0, 5387.0, 5560.0, 5498.0, 5526.0, 5648.0, 5521.0, 5552.0, 5663.0, 5707.0, 5720.0, 5318.0, 5596.0, 5253.0, 5518.0, 5409.0, 5319.0, 5546.0, 5352.0, 5279.0, 5332.0, 5268.0, 5374.0, 5478.0, 5278.0, 5302.0, 5323.0, 5496.0, 5382.0, 5686.0, 5551.0, 5381.0, 5395.0, 5436.0, 5363.0, 5348.0, 5553.0, 5721.0, 5631.0, 5639.0, 5522.0, 5610.0, 5280.0, 5287.0, 5668.0, 5665.0, 5329.0, 5443.0, 5499.0, 5617.0 (number of hits: 6)
12	5500.0	9	1.0	333	1	5647.0, 5609.0, 5593.0, 5523.0, 5540.0, 5595.0, 5679.0, 5699.0, 5321.0, 5562.0, 5448.0, 5568.0, 5300.0, 5677.0, 5580.0, 5312.0, 5539.0, 5270.0, 5376.0, 5273.0, 5483.0, 5723.0, 5452.0, 5556.0, 5510.0, 5712.0, 5372.0, 5357.0, 5571.0, 5618.0, 5311.0, 5330.0, 5347.0, 5323.0, 5305.0, 5572.0, 5486.0, 5673.0, 5638.0, 5577.0, 5623.0, 5501.0, 5316.0, 5663.0, 5578.0, 5718.0, 5537.0, 5624.0, 5564.0, 5505.0, 5318.0, 5693.0, 5664.0, 5532.0, 5608.0, 5373.0, 5253.0, 5474.0, 5349.0, 5470.0, 5604.0, 5684.0, 5634.0, 5271.0, 5506.0, 5573.0, 5558.0, 5423.0, 5661.0, 5614.0, 5705.0, 5369.0, 5656.0, 5689.0, 5268.0, 5433.0, 5570.0, 5669.0, 5587.0, 5576.0, 5326.0, 5719.0, 5512.0, 5383.0,

						5396.0, 5307.0, 5681.0, 5710.0, 5565.0, 5407.0, 5306.0, 5626.0, 5511.0, 5304.0, 5698.0, 5701.0, 5502.0, 5432.0, 5414.0, 5465.0 (number of hits: 4)
13	5500.0	9	1.0	333	1	5446.0, 5641.0, 5577.0, 5628.0, 5625.0, 5365.0, 5590.0, 5720.0, 5430.0, 5640.0, 5332.0, 5371.0, 5563.0, 5254.0, 5647.0, 5250.0, 5260.0, 5309.0, 5293.0, 5265.0, 5689.0, 5324.0, 5364.0, 5429.0, 5711.0, 5422.0, 5694.0, 5508.0, 5529.0, 5471.0, 5683.0, 5722.0, 5482.0, 5516.0, 5615.0, 5268.0, 5507.0, 5567.0, 5665.0, 5278.0, 5428.0, 5329.0, 5264.0, 5650.0, 5296.0, 5284.0, 5602.0, 5618.0, 5538.0, 5425.0, 5411.0, 5704.0, 5717.0, 5656.0, 5609.0, 5513.0, 5702.0, 5442.0, 5663.0, 5579.0, 5350.0, 5588.0, 5262.0, 5374.0, 5272.0, 5585.0, 5437.0, 5379.0, 5410.0, 5321.0, 5521.0, 5483.0, 5392.0, 5270.0, 5573.0, 5435.0, 5291.0, 5542.0, 5608.0, 5679.0, 5648.0, 5462.0, 5457.0, 5612.0, 5325.0, 5599.0, 5354.0, 5703.0, 5441.0, 5676.0, 5664.0, 5369.0, 5646.0, 5438.0, 5389.0, 5687.0, 5301.0, 5512.0, 5322.0, 5433.0 (number of hits: 2)
14	5500.0	9	1.0	333	1	5696.0, 5523.0, 5498.0, 5474.0, 5485.0, 5393.0, 5413.0, 5323.0, 5555.0, 5281.0, 5612.0, 5418.0, 5556.0, 5431.0, 5351.0, 5656.0, 5692.0, 5447.0, 5341.0, 5616.0, 5280.0, 5677.0, 5454.0, 5491.0, 5329.0, 5673.0, 5675.0, 5434.0, 5607.0, 5335.0, 5350.0, 5436.0, 5581.0, 5487.0, 5701.0, 5533.0, 5416.0, 5260.0, 5371.0, 5561.0, 5319.0, 5269.0, 5301.0, 5550.0, 5304.0, 5694.0, 5435.0, 5355.0, 5514.0, 5637.0, 5541.0, 5311.0, 5590.0, 5624.0, 5504.0, 5315.0, 5623.0, 5320.0, 5636.0, 5597.0, 5421.0, 5373.0, 5338.0, 5681.0, 5583.0, 5347.0, 5331.0, 5375.0, 5433.0, 5332.0, 5693.0, 5698.0, 5446.0, 5579.0, 5517.0, 5287.0, 5404.0, 5625.0, 5566.0, 5406.0, 5544.0, 5510.0, 5620.0, 5685.0, 5266.0, 5495.0, 5423.0, 5630.0, 5532.0, 5508.0, 5679.0, 5492.0, 5586.0, 5553.0, 5298.0, 5274.0, 5409.0, 5481.0, 5414.0, 5593.0 (number of hits: 6)
15	5500.0	9	1.0	333	1	5615.0, 5401.0, 5653.0, 5532.0, 5631.0, 5263.0, 5671.0, 5289.0, 5536.0, 5526.0, 5621.0, 5264.0, 5371.0, 5608.0, 5676.0, 5683.0, 5705.0, 5425.0, 5654.0, 5610.0, 5473.0, 5412.0, 5341.0, 5255.0, 5484.0, 5379.0, 5419.0, 5486.0, 5613.0, 5457.0, 5394.0, 5569.0, 5332.0, 5340.0, 5326.0, 5609.0, 5390.0, 5429.0, 5258.0, 5714.0, 5592.0, 5648.0, 5286.0, 5462.0, 5614.0, 5269.0, 5578.0, 5359.0, 5453.0, 5386.0, 5450.0, 5271.0, 5316.0, 5531.0, 5674.0, 5344.0, 5303.0, 5265.0, 5382.0, 5645.0, 5309.0, 5312.0, 5593.0, 5331.0, 5297.0, 5628.0, 5259.0, 5300.0, 5686.0, 5435.0, 5646.0, 5336.0, 5468.0, 5687.0, 5319.0, 5413.0, 5537.0, 5329.0, 5567.0, 5354.0, 5630.0, 5315.0, 5436.0, 5378.0, 5476.0, 5629.0, 5324.0, 5715.0, 5673.0, 5524.0, 5547.0, 5707.0, 5479.0, 5366.0, 5368.0, 5525.0, 5612.0, 5257.0, 5679.0, 5504.0 (number of hits: 1)
16	5500.0	9	1.0	333	1	5682.0, 5482.0, 5634.0, 5359.0, 5465.0, 5694.0, 5578.0, 5317.0, 5655.0, 5708.0, 5393.0, 5267.0, 5548.0, 5562.0, 5298.0, 5688.0, 5660.0, 5435.0, 5457.0, 5433.0, 5330.0, 5650.0, 5432.0, 5264.0, 5329.0, 5353.0, 5480.0, 5284.0, 5524.0, 5624.0, 5417.0, 5418.0, 5287.0, 5506.0, 5640.0, 5627.0, 5648.0, 5522.0, 5469.0, 5472.0, 5559.0, 5621.0, 5547.0, 5411.0, 5379.0, 5556.0, 5722.0, 5277.0, 5711.0, 5511.0, 5358.0, 5569.0, 5619.0, 5313.0, 5291.0, 5498.0, 5557.0, 5486.0, 5518.0, 5320.0, 5535.0, 5451.0, 5549.0, 5376.0, 5630.0, 5690.0, 5302.0, 5326.0, 5288.0, 5500.0, 5543.0, 5365.0, 5595.0, 5349.0, 5599.0, 5303.0, 5455.0, 5704.0, 5536.0, 5497.0, 5532.0, 5662.0, 5338.0, 5552.0, 5377.0, 5306.0, 5363.0, 5268.0, 5406.0, 5400.0, 5463.0,

						5265.0, 5388.0, 5441.0, 5257.0, 5426.0, 5462.0, 5282.0, 5720.0, 5656.0 (number of hits: 4)
17	5500.0	9	1.0	333	1	5364.0, 5554.0, 5417.0, 5323.0, 5636.0, 5311.0, 5684.0, 5389.0, 5434.0, 5669.0, 5510.0, 5433.0, 5406.0, 5456.0, 5267.0, 5542.0, 5474.0, 5620.0, 5506.0, 5284.0, 5469.0, 5280.0, 5340.0, 5535.0, 5649.0, 5566.0, 5562.0, 5458.0, 5481.0, 5568.0, 5611.0, 5699.0, 5496.0, 5421.0, 5633.0, 5659.0, 5671.0, 5650.0, 5383.0, 5430.0, 5523.0, 5308.0, 5468.0, 5360.0, 5305.0, 5621.0, 5304.0, 5268.0, 5547.0, 5420.0, 5502.0, 5609.0, 5476.0, 5271.0, 5604.0, 5528.0, 5397.0, 5254.0, 5328.0, 5702.0, 5310.0, 5634.0, 5302.0, 5715.0, 5513.0, 5479.0, 5326.0, 5555.0, 5431.0, 5678.0, 5287.0, 5664.0, 5675.0, 5670.0, 5490.0, 5335.0, 5655.0, 5278.0, 5694.0, 5341.0, 5251.0, 5427.0, 5593.0, 5713.0, 5717.0, 5250.0, 5492.0, 5494.0, 5504.0, 5315.0, 5399.0, 5553.0, 5627.0, 5607.0, 5314.0, 5524.0, 5615.0, 5390.0, 5653.0, 5313.0 (number of hits: 7)
18	5500.0	9	1.0	333	1	5544.0, 5416.0, 5428.0, 5263.0, 5637.0, 5448.0, 5272.0, 5432.0, 5438.0, 5342.0, 5344.0, 5365.0, 5671.0, 5378.0, 5717.0, 5446.0, 5555.0, 5592.0, 5478.0, 5463.0, 5472.0, 5639.0, 5678.0, 5517.0, 5487.0, 5616.0, 5509.0, 5523.0, 5699.0, 5367.0, 5333.0, 5289.0, 5537.0, 5360.0, 5492.0, 5530.0, 5516.0, 5703.0, 5444.0, 5535.0, 5465.0, 5666.0, 5362.0, 5692.0, 5594.0, 5680.0, 5698.0, 5430.0, 5638.0, 5321.0, 5587.0, 5390.0, 5304.0, 5283.0, 5585.0, 5343.0, 5275.0, 5677.0, 5436.0, 5346.0, 5251.0, 5453.0, 5447.0, 5454.0, 5441.0, 5320.0, 5437.0, 5338.0, 5586.0, 5498.0, 5686.0, 5531.0, 5617.0, 5660.0, 5674.0, 5464.0, 5456.0, 5394.0, 5340.0, 5606.0, 5417.0, 5549.0, 5662.0, 5553.0, 5489.0, 5566.0, 5542.0, 5491.0, 5556.0, 5724.0, 5551.0, 5534.0, 5402.0, 5569.0, 5709.0, 5515.0, 5258.0, 5267.0, 5419.0, 5675.0 (number of hits: 4)
19	5500.0	9	1.0	333	1	5423.0, 5532.0, 5308.0, 5265.0, 5296.0, 5321.0, 5607.0, 5494.0, 5713.0, 5516.0, 5301.0, 5257.0, 5562.0, 5526.0, 5400.0, 5656.0, 5382.0, 5408.0, 5707.0, 5652.0, 5709.0, 5644.0, 5393.0, 5298.0, 5337.0, 5374.0, 5432.0, 5417.0, 5619.0, 5504.0, 5720.0, 5280.0, 5274.0, 5724.0, 5403.0, 5282.0, 5467.0, 5306.0, 5544.0, 5510.0, 5365.0, 5688.0, 5693.0, 5465.0, 5351.0, 5443.0, 5357.0, 5488.0, 5704.0, 5538.0, 5281.0, 5722.0, 5302.0, 5300.0, 5492.0, 5604.0, 5483.0, 5527.0, 5714.0, 5520.0, 5701.0, 5250.0, 5636.0, 5570.0, 5352.0, 5614.0, 5377.0, 5592.0, 5609.0, 5440.0, 5263.0, 5456.0, 5585.0, 5628.0, 5358.0, 5664.0, 5495.0, 5657.0, 5635.0, 5683.0, 5499.0, 5587.0, 5556.0, 5309.0, 5476.0, 5479.0, 5508.0, 5449.0, 5673.0, 5266.0, 5373.0, 5603.0, 5493.0, 5391.0, 5509.0, 5477.0, 5413.0, 5523.0, 5276.0, 5322.0 (number of hits: 8)
20	5500.0	9	1.0	333	1	5599.0, 5282.0, 5464.0, 5387.0, 5574.0, 5703.0, 5361.0, 5714.0, 5605.0, 5657.0, 5378.0, 5625.0, 5629.0, 5541.0, 5434.0, 5291.0, 5314.0, 5268.0, 5640.0, 5368.0, 5262.0, 5617.0, 5443.0, 5514.0, 5257.0, 5547.0, 5548.0, 5483.0, 5349.0, 5418.0, 5463.0, 5489.0, 5492.0, 5588.0, 5587.0, 5622.0, 5428.0, 5326.0, 5639.0, 5292.0, 5662.0, 5325.0, 5460.0, 5364.0, 5570.0, 5623.0, 5510.0, 5419.0, 5345.0, 5363.0, 5263.0, 5420.0, 5515.0, 5406.0, 5508.0, 5369.0, 5706.0, 5716.0, 5287.0, 5648.0, 5517.0, 5421.0, 5304.0, 5329.0, 5499.0, 5697.0, 5549.0, 5601.0, 5386.0, 5498.0, 5665.0, 5613.0, 5344.0, 5689.0, 5441.0, 5384.0, 5724.0, 5277.0, 5392.0, 5562.0, 5307.0, 5256.0, 5578.0, 5293.0, 5455.0, 5354.0, 5672.0, 5357.0, 5388.0, 5298.0, 5560.0, 5649.0, 5296.0, 5462.0, 5700.0, 5496.0, 5472.0, 5561.0,

						5352.0, 5702.0 (number of hits: 5)
21	5500.0	9	1.0	333	1	5700.0, 5659.0, 5635.0, 5675.0, 5259.0, 5604.0, 5520.0, 5693.0, 5458.0, 5437.0, 5527.0, 5518.0, 5436.0, 5530.0, 5714.0, 5485.0, 5431.0, 5598.0, 5596.0, 5510.0, 5645.0, 5372.0, 5457.0, 5538.0, 5540.0, 5404.0, 5684.0, 5631.0, 5589.0, 5715.0, 5512.0, 5537.0, 5475.0, 5286.0, 5556.0, 5324.0, 5499.0, 5628.0, 5360.0, 5523.0, 5340.0, 5656.0, 5649.0, 5338.0, 5507.0, 5638.0, 5460.0, 5613.0, 5668.0, 5501.0, 5292.0, 5573.0, 5491.0, 5371.0, 5347.0, 5574.0, 5406.0, 5357.0, 5637.0, 5454.0, 5545.0, 5676.0, 5407.0, 5599.0, 5664.0, 5272.0, 5345.0, 5722.0, 5349.0, 5564.0, 5344.0, 5495.0, 5269.0, 5391.0, 5426.0, 5282.0, 5692.0, 5595.0, 5409.0, 5421.0, 5529.0, 5642.0, 5362.0, 5321.0, 5703.0, 5466.0, 5707.0, 5285.0, 5570.0, 5309.0, 5389.0, 5255.0, 5280.0, 5341.0, 5618.0, 5513.0, 5380.0, 5654.0, 5450.0, 5373.0 (number of hits: 5)
22	5500.0	9	1.0	333	1	5302.0, 5388.0, 5486.0, 5716.0, 5335.0, 5421.0, 5502.0, 5520.0, 5550.0, 5604.0, 5342.0, 5449.0, 5611.0, 5695.0, 5398.0, 5376.0, 5664.0, 5670.0, 5627.0, 5601.0, 5390.0, 5600.0, 5499.0, 5333.0, 5262.0, 5724.0, 5676.0, 5279.0, 5496.0, 5648.0, 5308.0, 5652.0, 5478.0, 5679.0, 5653.0, 5373.0, 5720.0, 5445.0, 5602.0, 5330.0, 5467.0, 5413.0, 5696.0, 5329.0, 5359.0, 5268.0, 5714.0, 5655.0, 5285.0, 5656.0, 5513.0, 5680.0, 5542.0, 5609.0, 5488.0, 5294.0, 5309.0, 5465.0, 5497.0, 5495.0, 5533.0, 5594.0, 5345.0, 5280.0, 5661.0, 5556.0, 5649.0, 5548.0, 5634.0, 5289.0, 5348.0, 5426.0, 5459.0, 5367.0, 5471.0, 5657.0, 5631.0, 5462.0, 5386.0, 5261.0, 5292.0, 5646.0, 5427.0, 5340.0, 5586.0, 5313.0, 5612.0, 5638.0, 5504.0, 5558.0, 5420.0, 5442.0, 5539.0, 5543.0, 5663.0, 5366.0, 5567.0, 5326.0, 5628.0, 5489.0 (number of hits: 6)
23	5500.0	9	1.0	333	1	5335.0, 5280.0, 5507.0, 5459.0, 5405.0, 5353.0, 5466.0, 5592.0, 5711.0, 5672.0, 5533.0, 5282.0, 5573.0, 5278.0, 5475.0, 5267.0, 5613.0, 5281.0, 5647.0, 5694.0, 5535.0, 5476.0, 5606.0, 5367.0, 5540.0, 5537.0, 5428.0, 5630.0, 5262.0, 5411.0, 5638.0, 5657.0, 5447.0, 5504.0, 5641.0, 5420.0, 5418.0, 5598.0, 5681.0, 5696.0, 5323.0, 5490.0, 5314.0, 5560.0, 5679.0, 5717.0, 5277.0, 5478.0, 5581.0, 5712.0, 5322.0, 5530.0, 5538.0, 5513.0, 5524.0, 5570.0, 5434.0, 5515.0, 5343.0, 5377.0, 5407.0, 5274.0, 5288.0, 5444.0, 5680.0, 5547.0, 5306.0, 5301.0, 5453.0, 5687.0, 5642.0, 5352.0, 5458.0, 5423.0, 5651.0, 5375.0, 5572.0, 5416.0, 5300.0, 5443.0, 5624.0, 5580.0, 5494.0, 5542.0, 5699.0, 5571.0, 5253.0, 5597.0, 5293.0, 5508.0, 5714.0, 5724.0, 5426.0, 5254.0, 5529.0, 5319.0, 5445.0, 5649.0, 5497.0, 5260.0 (number of hits: 6)
24	5500.0	9	1.0	333	1	5474.0, 5301.0, 5591.0, 5647.0, 5634.0, 5562.0, 5701.0, 5324.0, 5310.0, 5708.0, 5697.0, 5309.0, 5292.0, 5685.0, 5520.0, 5303.0, 5578.0, 5711.0, 5723.0, 5451.0, 5510.0, 5660.0, 5662.0, 5463.0, 5518.0, 5348.0, 5503.0, 5724.0, 5337.0, 5667.0, 5547.0, 5456.0, 5354.0, 5585.0, 5393.0, 5367.0, 5499.0, 5649.0, 5655.0, 5473.0, 5484.0, 5672.0, 5366.0, 5596.0, 5461.0, 5483.0, 5569.0, 5716.0, 5605.0, 5563.0, 5579.0, 5564.0, 5290.0, 5479.0, 5412.0, 5657.0, 5406.0, 5546.0, 5370.0, 5371.0, 5464.0, 5624.0, 5545.0, 5566.0, 5625.0, 5327.0, 5702.0, 5454.0, 5612.0, 5669.0, 5445.0, 5527.0, 5683.0, 5674.0, 5295.0, 5460.0, 5472.0, 5404.0, 5361.0, 5430.0, 5642.0, 5339.0, 5622.0, 5543.0, 5455.0, 5673.0, 5278.0, 5609.0, 5652.0, 5398.0, 5485.0, 5680.0, 5321.0, 5504.0, 5305.0, 5626.0, 5614.0, 5694.0, 5383.0, 5391.0 (number of hits: 3)

25	5500.0	9	1.0	333	1	5394.0, 5360.0, 5423.0, 5665.0, 5420.0, 5582.0, 5713.0, 5444.0, 5253.0, 5506.0, 5338.0, 5266.0, 5456.0, 5704.0, 5481.0, 5342.0, 5439.0, 5336.0, 5534.0, 5643.0, 5482.0, 5690.0, 5302.0, 5407.0, 5273.0, 5657.0, 5703.0, 5556.0, 5689.0, 5422.0, 5520.0, 5641.0, 5531.0, 5367.0, 5688.0, 5406.0, 5514.0, 5321.0, 5685.0, 5697.0, 5319.0, 5339.0, 5578.0, 5581.0, 5557.0, 5530.0, 5346.0, 5323.0, 5328.0, 5383.0, 5322.0, 5526.0, 5571.0, 5649.0, 5370.0, 5668.0, 5347.0, 5568.0, 5356.0, 5630.0, 5441.0, 5452.0, 5716.0, 5278.0, 5466.0, 5564.0, 5524.0, 5579.0, 5254.0, 5348.0, 5680.0, 5448.0, 5702.0, 5591.0, 5547.0, 5435.0, 5440.0, 5263.0, 5538.0, 5580.0, 5677.0, 5560.0, 5421.0, 5712.0, 5640.0, 5576.0, 5275.0, 5261.0, 5642.0, 5636.0, 5706.0, 5588.0, 5409.0, 5410.0, 5542.0, 5550.0, 5297.0, 5330.0, 5359.0, 5277.0 (number of hits: 1)
26	5500.0	9	1.0	333	1	5506.0, 5371.0, 5546.0, 5508.0, 5638.0, 5411.0, 5603.0, 5278.0, 5372.0, 5705.0, 5342.0, 5505.0, 5257.0, 5516.0, 5592.0, 5600.0, 5260.0, 5475.0, 5659.0, 5717.0, 5297.0, 5450.0, 5573.0, 5493.0, 5348.0, 5367.0, 5253.0, 5687.0, 5682.0, 5701.0, 5644.0, 5325.0, 5660.0, 5598.0, 5470.0, 5713.0, 5500.0, 5612.0, 5567.0, 5364.0, 5463.0, 5272.0, 5341.0, 5575.0, 5674.0, 5311.0, 5514.0, 5379.0, 5254.0, 5696.0, 5552.0, 5613.0, 5531.0, 5688.0, 5464.0, 5344.0, 5313.0, 5655.0, 5328.0, 5586.0, 5345.0, 5264.0, 5436.0, 5711.0, 5416.0, 5532.0, 5651.0, 5401.0, 5614.0, 5314.0, 5302.0, 5374.0, 5640.0, 5368.0, 5629.0, 5509.0, 5610.0, 5590.0, 5402.0, 5515.0, 5527.0, 5269.0, 5429.0, 5609.0, 5354.0, 5451.0, 5716.0, 5390.0, 5420.0, 5657.0, 5481.0, 5633.0, 5653.0, 5347.0, 5587.0, 5399.0, 5698.0, 5434.0, 5413.0, 5308.0 (number of hits: 6)
27	5500.0	9	1.0	333	1	5495.0, 5377.0, 5419.0, 5430.0, 5479.0, 5259.0, 5424.0, 5686.0, 5444.0, 5384.0, 5545.0, 5414.0, 5549.0, 5382.0, 5297.0, 5499.0, 5467.0, 5331.0, 5400.0, 5408.0, 5360.0, 5613.0, 5372.0, 5416.0, 5387.0, 5616.0, 5471.0, 5646.0, 5642.0, 5506.0, 5603.0, 5477.0, 5327.0, 5474.0, 5578.0, 5286.0, 5434.0, 5662.0, 5598.0, 5287.0, 5497.0, 5501.0, 5455.0, 5264.0, 5657.0, 5650.0, 5653.0, 5303.0, 5668.0, 5272.0, 5478.0, 5688.0, 5429.0, 5632.0, 5588.0, 5582.0, 5268.0, 5651.0, 5676.0, 5575.0, 5388.0, 5670.0, 5487.0, 5289.0, 5279.0, 5489.0, 5266.0, 5691.0, 5449.0, 5361.0, 5342.0, 5576.0, 5394.0, 5714.0, 5482.0, 5466.0, 5562.0, 5542.0, 5254.0, 5285.0, 5622.0, 5365.0, 5349.0, 5454.0, 5680.0, 5399.0, 5674.0, 5555.0, 5337.0, 5517.0, 5705.0, 5558.0, 5665.0, 5432.0, 5290.0, 5464.0, 5484.0, 5566.0, 5586.0, 5585.0 (number of hits: 5)
28	5500.0	9	1.0	333	1	5326.0, 5443.0, 5516.0, 5447.0, 5556.0, 5485.0, 5489.0, 5398.0, 5602.0, 5518.0, 5383.0, 5506.0, 5309.0, 5413.0, 5675.0, 5502.0, 5592.0, 5635.0, 5416.0, 5640.0, 5585.0, 5541.0, 5350.0, 5281.0, 5423.0, 5681.0, 5620.0, 5696.0, 5538.0, 5294.0, 5263.0, 5422.0, 5285.0, 5256.0, 5626.0, 5577.0, 5314.0, 5427.0, 5595.0, 5282.0, 5674.0, 5382.0, 5561.0, 5501.0, 5540.0, 5519.0, 5361.0, 5334.0, 5252.0, 5278.0, 5692.0, 5670.0, 5330.0, 5390.0, 5421.0, 5273.0, 5392.0, 5700.0, 5283.0, 5321.0, 5608.0, 5364.0, 5303.0, 5515.0, 5558.0, 5625.0, 5481.0, 5344.0, 5329.0, 5719.0, 5482.0, 5304.0, 5652.0, 5396.0, 5686.0, 5490.0, 5429.0, 5650.0, 5530.0, 5464.0, 5609.0, 5385.0, 5337.0, 5610.0, 5317.0, 5296.0, 5276.0, 5454.0, 5582.0, 5505.0, 5668.0, 5401.0, 5457.0, 5355.0, 5715.0, 5391.0, 5617.0, 5493.0, 5379.0, 5428.0 (number of hits: 6)
29	5500.0	9	1.0	333	1	5607.0, 5640.0, 5286.0, 5581.0, 5269.0, 5724.0, 5501.0,

						5470.0, 5372.0, 5561.0, 5590.0, 5583.0, 5544.0, 5542.0, 5437.0, 5383.0, 5273.0, 5512.0, 5519.0, 5656.0, 5624.0, 5670.0, 5394.0, 5423.0, 5282.0, 5267.0, 5491.0, 5365.0, 5558.0, 5381.0, 5627.0, 5350.0, 5574.0, 5318.0, 5326.0, 5661.0, 5455.0, 5379.0, 5563.0, 5479.0, 5685.0, 5366.0, 5578.0, 5632.0, 5369.0, 5603.0, 5305.0, 5537.0, 5266.0, 5390.0, 5573.0, 5500.0, 5687.0, 5292.0, 5699.0, 5265.0, 5474.0, 5389.0, 5566.0, 5565.0, 5253.0, 5424.0, 5508.0, 5330.0, 5440.0, 5251.0, 5399.0, 5510.0, 5587.0, 5279.0, 5560.0, 5683.0, 5468.0, 5538.0, 5722.0, 5301.0, 5623.0, 5535.0, 5313.0, 5371.0, 5300.0, 5667.0, 5466.0, 5666.0, 5705.0, 5275.0, 5710.0, 5384.0, 5432.0, 5649.0, 5395.0, 5543.0, 5486.0, 5694.0, 5715.0, 5511.0, 5494.0, 5472.0, 5380.0, 5360.0 (number of hits: 5)
30	5500.0	9	1.0	333	0	

**P2P Mode
Pine Radio****5510 MHz, 40 MHz Bandwidth**

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

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

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	62	1.0	858	1
2	83	1.0	638	1
3	92	1.0	578	1
4	63	1.0	838	1
5	86	1.0	618	1
6	102	1.0	518	1
7	67	1.0	798	1
8	57	1.0	938	1
9	61	1.0	878	1
10	89	1.0	598	1
11	78	1.0	678	1
12	70	1.0	758	1
13	76	1.0	698	1
14	72	1.0	738	1
15	81	1.0	658	1
16	56	1.0	954	1
17	26	1.0	2080	1
18	23	1.0	2364	1
19	25	1.0	2144	1
20	21	1.0	2599	1
21	25	1.0	2146	1
22	32	1.0	1657	1
23	35	1.0	1542	1
24	23	1.0	2396	1
25	32	1.0	1661	1
26	18	1.0	2933	1
27	44	1.0	1205	1
28	19	1.0	2893	1
29	23	1.0	2326	1
30	20	1.0	2657	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	29	1.0	150	1
2	27	5.0	216	1
3	29	2.7	190	0
4	23	4.5	170	1
5	28	1.4	207	1
6	26	4.3	228	1
7	24	1.4	190	1
8	26	4.6	226	1
9	25	2.2	175	1
10	25	4.7	223	1
11	29	3.0	194	1
12	25	1.8	209	1
13	28	1.1	222	1
14	26	1.2	218	1
15	24	3.4	158	0
16	29	2.1	188	1
17	27	4.8	179	1
18	27	2.4	217	1
19	23	3.5	213	1
20	27	3.2	210	1
21	25	1.1	181	1
22	29	2.7	185	1
23	27	4.7	180	1
24	26	4.6	170	1
25	29	2.0	210	1
26	25	2.6	171	0
27	28	4.1	185	1
28	28	1.5	179	1
29	23	2.8	221	1
30	27	3.8	165	1
Detection Percentage: 90.0 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	17	9.8	328	1
2	17	9.6	466	1
3	18	8.9	374	0
4	18	9.0	479	1
5	17	7.7	254	1
6	17	8.6	478	0
7	18	9.7	440	1
8	18	7.6	356	1
9	16	7.3	460	1
10	16	9.5	288	1
11	17	9.8	325	1
12	18	9.6	342	1
13	18	6.0	450	1
14	18	7.1	265	1
15	18	9.4	269	1
16	16	9.4	402	1
17	17	7.1	208	1
18	17	9.1	439	1
19	16	7.7	389	1
20	17	6.0	433	0
21	18	9.8	497	1
22	18	9.5	376	1
23	16	8.7	467	1
24	16	6.0	466	1
25	17	7.0	477	1
26	16	9.6	220	0
27	16	6.4	436	1
28	16	6.8	297	1
29	18	8.8	258	1
30	16	8.0	303	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	13	19.2	467	1
2	15	15.9	315	1
3	16	18.2	464	1
4	16	11.5	422	1
5	13	14.6	222	1
6	14	11.3	439	1
7	16	17.3	394	1
8	13	17.2	324	0
9	13	11.7	245	1
10	13	16.0	384	1
11	12	16.2	364	1
12	13	18.1	373	1
13	13	16.2	457	1
14	14	19.6	444	1
15	13	18.8	450	1
16	16	18.0	433	1
17	16	13.6	475	1
18	16	11.2	435	1
19	15	18.7	238	1
20	16	17.5	450	0
21	13	19.1	410	1
22	13	16.4	271	1
23	16	11.8	450	1
24	14	15.7	345	1
25	16	18.6	476	1
26	15	15.3	428	1
27	14	18.8	365	0
28	12	13.1	461	0
29	14	12.9	284	1
30	14	17.2	248	0
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5497.5	1
12	5498.7	1
13	5498.3	1
14	5494.3	1
15	5493.9	1
16	5498.7	1
17	5495.1	1
18	5498.3	1
19	5499.1	1
20	5496.7	1
21	5521.3	1
22	5525.3	1
23	5522.9	1
24	5525.7	1
25	5524.9	1
26	5524.5	1
27	5523.7	1
28	5524.5	1
29	5523.3	1
30	5520.9	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	70.9			0.436433	1
1	1	14	93.6			0.938359	
2	2	14	77.7	1295		1.405080	
3	3	14	81.0	1790	1287	2.088826	
4	2	14	54.0	1202		3.230074	
5	1	14	58.7			3.746354	
6	2	14	58.7	1753		4.635529	
7	3	14	63.5	1954	1498	5.075263	
8	1	14	75.7			5.418074	
9	2	14	84.9	1900		6.241070	
10	2	14	69.1	1953		7.153789	
11	2	14	63.9	1074		7.701838	
12	2	14	88.8	1041		8.095636	
13	2	14	71.5	1647		8.923768	
14	2	14	80.5	1580		9.799044	
15	1	14	59.5			10.157790	
16	3	14	81.7	1647	1248	10.760127	
17	1	14	67.9			11.922331	

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	1	14	50.1			0.203885	1
1	1	14	59.4			1.390186	
2	1	14	76.8			2.033266	
3	3	14	62.7	1236	1911	3.118111	
4	2	14	96.8	1712		3.633152	
5	1	14	60.3			4.002284	
6	3	14	99.1	1551	1878	5.230586	
7	2	14	83.0	1575		5.716196	
8	1	14	85.3			7.102702	
9	3	14	58.2	1593	1258	7.640689	
10	1	14	93.2			8.079578	
11	2	14	78.5	1109		9.383991	
12	1	14	86.4			10.024122	
13	3	14	94.8	1955	1932	10.750981	
14	3	14	72.5	1797	1817	11.322261	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	84.7	1283	1277	0.213783	1
1	2	5	67.1	1512		1.261593	
2	1	5	63.1			1.925277	
3	2	5	77.8	1932		2.644725	
4	3	5	68.7	1912	1827	3.101932	
5	1	5	64.6			4.214189	
6	2	5	54.0	1267		4.259905	
7	1	5	58.7			5.320664	
8	1	5	63.8			5.675538	
9	3	5	77.3	1918	1893	6.414075	
10	2	5	90.2	1446		7.496214	
11	2	5	87.9	1372		8.271435	
12	1	5	61.3			8.943299	
13	1	5	61.3			9.372204	
14	1	5	71.1			10.473635	
15	2	5	53.9	1037		11.132805	
16	2	5	76.7	1983		11.913132	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	94.6	1084		0.716453	1
1	3	7	59.2	1973	1959	1.328008	
2	2	7	78.2	1147		2.801256	
3	2	7	76.4	1066		3.247664	
4	3	7	58.0	1023	1873	4.234329	
5	2	7	50.1	1145		5.384565	
6	2	7	80.1	1150		6.659339	
7	3	7	61.3	1270	1829	7.935165	
8	2	7	81.0	1945		8.123161	
9	2	7	50.4	1550		9.771010	
10	2	7	84.6	1829		10.201729	
11	3	7	70.7	1123	1785	11.301828	

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	15	64.0	1656		0.090804	1
1	2	15	92.8	1182		1.769508	
2	1	15	57.9			2.989314	
3	2	15	62.0	1221		3.701893	
4	1	15	56.9			4.163879	
5	3	15	50.4	1552	1710	5.358741	
6	2	15	88.4	1910		6.111578	
7	2	15	55.9	1929		7.171792	
8	2	15	97.2	1165		8.616941	
9	2	15	55.2	1655		9.088235	
10	2	15	65.7	1097		10.344150	
11	2	15	70.7	1623		11.735749	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	57.4	1584	1666	0.410789	1
1	1	13	87.4			1.246761	
2	3	13	74.4	1334	1221	1.870937	
3	2	13	81.7	1524		2.346088	
4	3	13	69.7	1503	1820	2.878488	
5	1	13	61.9			3.830613	
6	1	13	95.6			4.352257	
7	1	13	79.5			4.669412	
8	1	13	76.0			5.505745	
9	2	13	68.5	1912		6.394367	
10	3	13	56.6	1541	1995	7.016124	
11	2	13	91.0	1504		7.679919	
12	2	13	97.0	1197		8.354208	
13	2	13	51.0	1741		8.961925	
14	1	13	63.9			9.737814	
15	1	13	81.7			10.603472	
16	2	13	56.4	1680		11.057007	
17	2	13	73.9	1334		11.792883	

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	94.6	1353		0.732748	1
1	2	11	71.1	1915		0.970870	
2	3	11	94.1	1945	1018	2.354617	
3	2	11	60.5	1925		2.614028	
4	3	11	82.0	1201	1666	3.607874	
5	1	11	59.0			4.619798	
6	3	11	76.6	1368	1999	5.740446	
7	1	11	66.4			6.507000	
8	3	11	60.7	1131	1358	7.311697	
9	3	11	88.5	1055	1287	7.834364	
10	1	11	62.4			9.005225	
11	2	11	92.9	1590		9.715244	
12	1	11	79.9			10.726728	
13	3	11	71.1	1798	1440	11.490922	

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	7	75.1	1718	1049	0.497839	1
1	2	7	51.5	1153		1.350649	
2	2	7	71.1	1789		1.785816	
3	2	7	94.5	1740		2.334519	
4	2	7	61.3	1465		3.411614	
5	2	7	68.0	1117		3.958182	
6	2	7	82.9	1748		4.315219	
7	3	7	63.5	1816	1822	5.389819	
8	1	7	77.8			5.749831	
9	1	7	98.5			6.789159	
10	2	7	85.6	1721		7.616321	
11	2	7	74.1	1818		7.840701	
12	1	7	76.0			9.019746	
13	2	7	98.2	1965		9.264549	
14	3	7	93.8	1704	1045	10.472915	
15	2	7	87.5	1091		10.672866	
16	2	7	56.0	1985		11.797714	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	91.0			0.663512	1
1	3	9	52.3	1903	1488	0.941602	
2	2	9	58.5	1053		1.948591	
3	1	9	59.2			2.616200	
4	3	9	61.9	1315	1291	2.794929	
5	1	9	96.4			3.674879	
6	2	9	78.7	1534		4.132113	
7	2	9	51.1	1742		5.075718	
8	3	9	79.7	1592	1542	5.937228	
9	2	9	56.2	1620		6.029475	
10	2	9	95.6	1717		6.832852	
11	3	9	79.9	1346	1760	7.892886	
12	2	9	56.0	1582		8.203416	
13	2	9	87.2	1805		8.905299	
14	2	9	64.9	1332		9.466245	
15	3	9	57.5	1904	1516	10.494925	
16	3	9	99.5	1676	1744	10.677513	
17	2	9	86.1	1843		11.484441	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	77.1	1446	1608	1.231998	1
1	2	7	95.0	1547		2.080835	
2	3	7	80.9	1826	1591	3.944740	
3	1	7	73.8			4.400644	
4	3	7	61.8	1872	1775	5.458305	
5	3	7	74.6	1817	1660	7.834255	
6	2	7	66.8	1472		8.232836	
7	1	7	92.2			9.575844	
8	1	7	88.1			11.806866	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	57.8	1153		0.483101	1
1	2	15	97.2	1998		1.669767	
2	1	15	73.7			2.783485	
3	1	15	54.6			3.686688	
4	1	15	85.3			4.532183	
5	2	15	53.1	1680		5.152199	
6	3	15	59.4	1940	1451	6.582614	
7	2	15	53.0	1558		7.184342	
8	2	15	94.5	1126		8.736873	
9	3	15	76.5	1464	1892	9.093171	
10	2	15	79.6	1496		10.868080	
11	2	15	99.4	1538		11.208862	

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	18	68.6	1570		0.033924	1
1	1	18	74.9			1.286586	
2	2	18	78.0	1948		2.301794	
3	3	18	83.1	1215	1698	2.752158	
4	1	18	79.6			3.244258	
5	1	18	93.1			4.737693	
6	2	18	50.3	1660		5.074276	
7	2	18	79.7	1312		5.945177	
8	1	18	98.7			6.543176	
9	2	18	72.9	1684		7.924232	
10	3	18	62.1	1920	1046	8.056708	
11	2	18	93.1	1995		9.182584	
12	1	18	81.0			9.727799	
13	2	18	53.9	1012		11.054419	
14	2	18	99.3	1719		11.511020	

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	79.1	1763		0.415062	1
1	2	17	77.7	1601		1.526537	
2	2	17	55.7	1022		2.316603	
3	3	17	61.8	1216	1812	3.327716	
4	2	17	81.0	1491		4.815621	
5	2	17	62.3	1012		6.034220	
6	2	17	59.7	1887		7.101579	
7	2	17	89.7	1801		8.279804	
8	1	17	94.1			9.578371	
9	1	17	79.0			10.127197	
10	2	17	88.4	1166		11.673047	

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	7	63.9			0.591433	1
1	2	7	94.5	1054		1.880222	
2	3	7	57.7	1979	1510	2.666343	
3	1	7	97.5			3.774070	
4	2	7	93.9	1507		4.720273	
5	2	7	96.8	1112		5.713331	
6	2	7	58.2	1551		6.958728	
7	3	7	63.9	1730	1286	8.498836	
8	3	7	99.6	1121	1099	9.404211	
9	3	7	55.8	1327	1954	10.713532	
10	3	7	61.3	1224	1095	11.751272	

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	6	77.3	1993		0.087460	1
1	2	6	76.9	1943		1.612086	
2	2	6	81.8	1747		2.955730	
3	1	6	73.6			5.153587	
4	3	6	87.9	1514	1170	5.376562	
5	1	6	89.8			6.810481	
6	3	6	81.0	1804	1537	9.042604	
7	2	6	87.8	1406		10.215579	
8	1	6	88.9			11.405032	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	93.0	1901	1573	0.262115	1
1	3	18	59.1	1399	1007	1.244682	
2	3	18	65.3	1838	1103	1.589539	
3	2	18	86.6	1639		2.713135	
4	2	18	59.7	1543		3.021602	
5	2	18	93.3	1493		4.094218	
6	1	18	94.4			4.308340	
7	1	18	78.5			5.428421	
8	3	18	57.2	1969	1040	6.125471	
9	2	18	50.8	1822		6.593567	
10	1	18	62.0			7.379830	
11	3	18	91.0	1741	1235	8.080304	
12	3	18	65.9	1064	1347	9.058192	
13	1	18	95.1			9.518727	
14	1	18	77.8			10.555441	
15	2	18	67.8	1187		10.670682	
16	2	18	97.8	1581		11.762158	

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	9	55.4	1801		0.592925	1
1	2	9	82.2	1380		1.517170	
2	2	9	63.5	1221		1.788410	
3	3	9	57.5	1880	1230	3.315481	
4	2	9	66.5	1850		4.053006	
5	3	9	87.9	1800	1356	4.889298	
6	1	9	79.0			5.306250	
7	3	9	52.8	1799	1952	6.511722	
8	1	9	76.4			6.996613	
9	2	9	58.0	1017		7.866687	
10	2	9	98.3	1948		9.140203	
11	1	9	62.5			10.212889	
12	1	9	85.0			10.417500	
13	3	9	58.4	1401	1894	11.584254	

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	17	99.2	1652		0.060356	1
1	1	17	78.6			1.018979	
2	2	17	98.1	1066		2.381273	
3	1	17	95.0			3.039295	
4	3	17	75.5	1970	1024	4.047855	
5	1	17	64.6			5.453619	
6	2	17	98.2	1256		6.531486	
7	3	17	83.0	1338	1368	7.139328	
8	3	17	76.8	1793	1327	8.231729	
9	2	17	71.0	1276		9.322229	
10	1	17	67.3			10.627174	
11	2	17	56.8	1041		11.528739	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	70.7	1153		0.141790	1
1	3	19	76.0	1599	1674	1.340516	
2	2	19	93.0	1562		1.818009	
3	2	19	57.3	1757		2.583905	
4	1	19	57.3			3.729023	
5	1	19	82.2			4.394113	
6	3	19	63.7	1127	1713	4.713888	
7	3	19	87.5	1911	1502	5.441484	
8	3	19	76.1	1626	1729	6.267833	
9	2	19	71.9	1562		7.390590	
10	2	19	87.8	1241		8.053773	
11	2	19	71.1	1031		8.300981	
12	1	19	86.6			9.640989	
13	3	19	69.3	1011	1194	10.110669	
14	2	19	74.0	1625		10.761213	
15	2	19	82.1	1770		11.583169	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	66.7	1999		0.467344	1
1	3	13	71.9	1507	1400	0.937964	
2	1	13	76.3			1.810160	
3	1	13	78.4			2.754377	
4	3	13	57.3	1295	1333	3.294627	
5	1	13	92.8			4.551609	
6	3	13	58.7	1075	1818	5.069119	
7	1	13	77.9			6.251229	
8	3	13	90.0	1472	1049	6.726865	
9	1	13	62.9			7.487497	
10	2	13	87.6	1731		8.457186	
11	2	13	52.9	1977		9.052821	
12	2	13	57.4	1779		10.039948	
13	3	13	69.0	1161	1222	10.928871	
14	3	13	86.9	1280	1943	11.326532	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	50.8	1079		0.119487	1
1	3	18	83.5	1748	1026	0.874158	
2	1	18	94.8			1.496588	
3	2	18	95.4	1031		2.784149	
4	2	18	59.0	1203		3.368802	
5	3	18	65.6	1720	1716	3.538399	
6	3	18	67.1	1019	1409	4.356215	
7	3	18	61.4	1859	1595	5.132873	
8	2	18	56.5	1008		5.788177	
9	3	18	81.3	1144	1072	6.950740	
10	2	18	68.8	1169		7.507561	
11	2	18	87.6	1366		7.972923	
12	2	18	96.8	1053		9.009016	
13	1	18	97.2			9.504938	
14	3	18	87.5	1535	1492	10.310903	
15	3	18	86.7	1569	1903	10.685527	
16	2	18	80.1	1836		11.883460	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	64.0	1619		0.114719	1
1	2	8	63.8	1967		1.109499	
2	3	8	86.5	1974	1490	1.862584	
3	2	8	62.4	1280		2.595082	
4	2	8	56.4	1450		3.155856	
5	2	8	95.1	1049		3.536408	
6	1	8	77.6			4.092315	
7	2	8	88.8	1288		5.267160	
8	2	8	97.0	1257		5.457453	
9	2	8	94.4	1316		6.481821	
10	1	8	82.2			6.972888	
11	3	8	53.7	1844	1231	7.895186	
12	1	8	76.2			8.496615	
13	2	8	79.5	1130		9.274852	
14	2	8	91.2	1573		9.829835	
15	1	8	95.8			10.010428	
16	1	8	67.2			10.722006	
17	3	8	68.4	1007	1058	11.890293	

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	14	77.9	1263		0.150359	1
1	3	14	90.3	1802	1466	1.119469	
2	1	14	63.6			2.107875	
3	2	14	98.9	1803		3.419060	
4	2	14	93.0	1621		3.893153	
5	2	14	75.0	1130		5.312645	
6	3	14	79.3	1916	1305	5.673305	
7	1	14	86.4			7.023296	
8	2	14	75.3	1194		8.018128	
9	1	14	95.4			8.498147	
10	1	14	69.8			9.966976	
11	2	14	89.9	1976		10.315871	
12	2	14	65.7	1481		11.154042	

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	7	83.5			0.337415	1
1	1	7	63.1			1.944108	
2	2	7	67.6	1582		2.857967	
3	2	7	63.3	1659		4.342817	
4	3	7	64.2	1397	1659	5.840258	
5	2	7	79.2	1480		6.456973	
6	1	7	98.4			7.502524	
7	2	7	60.3	1716		9.367202	
8	1	7	88.4			9.724094	
9	1	7	64.3			11.859197	

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	9	98.6	1461		0.037980	1
1	2	9	74.8	1842		0.994423	
2	2	9	60.8	1497		1.751172	
3	2	9	83.0	1107		2.895513	
4	2	9	56.8	1144		3.636719	
5	2	9	92.5	1916		4.992454	
6	2	9	52.1	1688		5.144552	
7	1	9	66.8			6.562149	
8	1	9	78.9			7.410770	
9	3	9	53.6	1198	1569	8.422362	
10	3	9	82.8	1746	1233	8.826421	
11	2	9	93.6	1254		9.489855	
12	3	9	80.2	1960	1222	10.537272	
13	2	9	59.8	1653		11.751738	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	63.2	1857		0.363861	1
1	1	10	79.1			1.449624	
2	2	10	74.7	1469		1.691166	
3	3	10	77.4	1408	1235	2.512333	
4	2	10	84.6	1740		3.230541	
5	1	10	90.2			4.154030	
6	2	10	73.0	1431		5.121255	
7	3	10	87.7	1765	1884	5.804139	
8	1	10	71.6			6.071069	
9	3	10	96.7	1214	1840	7.491089	
10	3	10	91.6	1690	1445	7.568890	
11	3	10	90.4	1906	1923	8.810447	
12	3	10	57.7	1674	1121	9.274096	
13	3	10	97.3	1623	1409	10.028843	
14	1	10	56.6			11.134644	
15	1	10	64.5			11.571273	

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	12	96.4	1432		0.740777	1
1	1	12	81.7			2.070221	
2	1	12	100.0			2.935402	
3	1	12	91.9			4.090484	
4	2	12	67.0	1147		5.020113	
5	2	12	63.1	1420		6.140523	
6	2	12	85.8	1120		7.248095	
7	3	12	69.1	1234	1826	8.427473	
8	1	12	95.8			9.361851	
9	2	12	95.5	1314		10.027116	
10	3	12	73.5	1457	1524	11.046337	

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	10	54.1	1983		0.020622	1
1	1	10	61.6			1.211226	
2	3	10	89.9	1845	1904	1.994483	
3	2	10	78.4	1916		2.610431	
4	1	10	75.3			3.283687	
5	1	10	84.9			4.181484	
6	2	10	68.9	1977		4.748891	
7	3	10	71.6	1102	1862	5.384436	
8	2	10	65.4	1786		6.266402	
9	3	10	87.9	1654	1926	6.771885	
10	1	10	84.2			7.174743	
11	2	10	56.3	1381		8.342097	
12	3	10	75.5	1720	1753	8.856697	
13	2	10	66.5	1705		9.315543	
14	2	10	91.3	1242		10.530755	
15	2	10	73.6	1677		11.287850	
16	3	10	66.5	1708	1849	11.396075	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	77.8	1541		0.485279	1
1	3	13	76.6	1158	1355	1.324356	
2	2	13	61.9	1843		2.251696	
3	3	13	83.0	1617	1470	4.058090	
4	3	13	97.5	1612	1395	5.422986	
5	3	13	97.1	1272	1806	6.263030	
6	1	13	98.7			7.176263	
7	2	13	51.8	1842		8.066915	
8	1	13	98.8			9.542022	
9	2	13	66.9	1354		10.083045	
10	2	13	99.2	1534		11.606971	

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	19	62.1	1246		0.054319	1
1	3	19	55.1	1687	1568	1.486794	
2	2	19	60.1	1455		2.116538	
3	1	19	65.7			2.930769	
4	2	19	51.2	1838		4.096748	
5	1	19	58.9			4.587641	
6	2	19	93.7	1543		5.276145	
7	2	19	56.5	1388		6.355507	
8	2	19	76.9	1023		7.499258	
9	3	19	69.9	1288	1915	8.070676	
10	3	19	83.8	1793	1424	8.806692	
11	2	19	96.4	1186		9.543953	
12	2	19	89.7	1023		10.564283	
13	2	19	77.7	1610		11.408115	

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	5391.0, 5484.0, 5257.0, 5253.0, 5669.0, 5641.0, 5723.0, 5712.0, 5682.0, 5704.0, 5720.0, 5339.0, 5351.0, 5384.0, 5291.0, 5679.0, 5668.0, 5714.0, 5546.0, 5347.0, 5295.0, 5342.0, 5568.0, 5470.0, 5283.0, 5389.0, 5480.0, 5437.0, 5654.0, 5315.0, 5718.0, 5522.0, 5341.0, 5282.0, 5719.0, 5696.0, 5514.0, 5581.0, 5425.0, 5501.0, 5544.0, 5287.0, 5708.0, 5707.0, 5316.0, 5370.0, 5611.0, 5459.0, 5309.0, 5695.0, 5586.0, 5616.0, 5666.0, 5633.0, 5689.0, 5536.0, 5270.0, 5312.0, 5369.0, 5697.0, 5331.0, 5399.0, 5323.0, 5533.0, 5599.0, 5574.0, 5485.0, 5428.0, 5433.0, 5381.0, 5552.0, 5722.0, 5510.0, 5408.0, 5576.0, 5256.0, 5659.0, 5411.0, 5531.0, 5702.0, 5374.0, 5489.0, 5652.0, 5268.0, 5649.0, 5613.0, 5427.0, 5637.0, 5372.0, 5557.0, 5610.0, 5493.0, 5572.0, 5361.0, 5296.0, 5513.0, 5717.0, 5308.0, 5655.0, 5716.0 (number of hits: 6)
2	5510.0	9	1.0	333	1	5561.0, 5544.0, 5694.0, 5682.0, 5502.0, 5643.0, 5515.0, 5513.0, 5526.0, 5432.0, 5376.0, 5363.0, 5266.0, 5422.0, 5571.0, 5280.0, 5538.0, 5439.0, 5412.0, 5310.0, 5683.0, 5661.0, 5278.0, 5506.0, 5700.0, 5609.0, 5555.0, 5301.0, 5426.0, 5552.0, 5495.0, 5262.0, 5252.0, 5477.0, 5674.0, 5553.0, 5516.0, 5265.0, 5375.0, 5539.0, 5303.0, 5335.0, 5314.0, 5517.0, 5672.0, 5364.0, 5689.0, 5659.0, 5300.0, 5640.0, 5325.0, 5405.0, 5586.0, 5676.0, 5459.0, 5501.0, 5658.0, 5714.0, 5591.0, 5275.0, 5395.0, 5447.0, 5623.0, 5713.0, 5573.0, 5533.0, 5315.0, 5258.0, 5435.0, 5692.0, 5522.0, 5698.0, 5394.0, 5329.0, 5596.0, 5436.0, 5438.0, 5708.0, 5509.0, 5389.0, 5313.0, 5625.0, 5638.0, 5279.0, 5256.0, 5493.0, 5642.0, 5684.0, 5574.0, 5268.0, 5610.0, 5675.0, 5641.0, 5469.0, 5309.0, 5260.0, 5352.0, 5451.0, 5637.0, 5487.0 (number of hits: 12)
3	5510.0	9	1.0	333	1	5528.0, 5563.0, 5697.0, 5611.0, 5659.0, 5295.0, 5465.0, 5573.0, 5492.0, 5267.0, 5501.0, 5643.0, 5382.0, 5569.0, 5495.0, 5353.0, 5368.0, 5709.0, 5370.0, 5703.0, 5519.0, 5642.0, 5534.0, 5367.0, 5525.0, 5277.0, 5635.0, 5442.0, 5409.0, 5362.0, 5411.0, 5585.0, 5388.0, 5705.0, 5526.0, 5552.0, 5256.0, 5521.0, 5341.0, 5313.0, 5444.0, 5630.0, 5549.0, 5699.0, 5490.0, 5436.0, 5477.0, 5448.0, 5668.0, 5507.0, 5542.0, 5441.0, 5309.0, 5253.0, 5691.0, 5624.0, 5429.0, 5496.0, 5714.0, 5560.0, 5497.0, 5460.0, 5601.0, 5636.0, 5328.0, 5655.0, 5383.0, 5669.0, 5452.0, 5254.0, 5473.0, 5314.0, 5603.0, 5644.0, 5530.0, 5707.0, 5653.0, 5301.0, 5265.0, 5335.0, 5404.0, 5602.0, 5371.0, 5408.0, 5647.0, 5634.0, 5359.0, 5523.0, 5582.0, 5430.0, 5690.0, 5488.0, 5300.0, 5491.0, 5450.0, 5385.0, 5416.0, 5671.0, 5520.0, 5592.0 (number of hits: 12)
4	5510.0	9	1.0	333	1	5546.0, 5426.0, 5453.0, 5464.0, 5569.0, 5434.0, 5683.0, 5673.0, 5343.0, 5417.0, 5402.0, 5625.0, 5539.0, 5706.0, 5543.0, 5623.0, 5528.0, 5479.0, 5401.0, 5584.0, 5682.0, 5345.0, 5353.0, 5550.0, 5460.0, 5505.0, 5354.0, 5689.0, 5552.0, 5639.0, 5579.0, 5567.0, 5399.0, 5723.0, 5474.0, 5495.0, 5488.0, 5522.0, 5554.0, 5612.0, 5724.0, 5385.0, 5333.0, 5371.0, 5370.0, 5302.0, 5504.0, 5666.0, 5357.0, 5298.0, 5264.0, 5382.0, 5262.0, 5492.0, 5598.0, 5556.0, 5387.0, 5494.0, 5694.0, 5717.0, 5344.0, 5409.0, 5510.0, 5707.0, 5642.0, 5482.0, 5499.0, 5690.0, 5348.0, 5515.0,

						5585.0, 5255.0, 5719.0, 5681.0, 5704.0, 5310.0, 5525.0, 5702.0, 5414.0, 5686.0, 5652.0, 5487.0, 5486.0, 5441.0, 5577.0, 5477.0, 5466.0, 5459.0, 5375.0, 5520.0, 5407.0, 5433.0, 5293.0, 5388.0, 5696.0, 5427.0, 5432.0, 5506.0, 5396.0, 5490.0 (number of hits: 12)
5	5510.0	9	1.0	333	1	5332.0, 5543.0, 5652.0, 5526.0, 5334.0, 5503.0, 5393.0, 5632.0, 5342.0, 5654.0, 5251.0, 5635.0, 5417.0, 5501.0, 5394.0, 5664.0, 5346.0, 5612.0, 5350.0, 5514.0, 5258.0, 5700.0, 5553.0, 5578.0, 5674.0, 5406.0, 5391.0, 5720.0, 5604.0, 5623.0, 5253.0, 5430.0, 5461.0, 5684.0, 5525.0, 5388.0, 5518.0, 5310.0, 5348.0, 5694.0, 5671.0, 5378.0, 5341.0, 5701.0, 5290.0, 5441.0, 5456.0, 5685.0, 5419.0, 5606.0, 5541.0, 5408.0, 5270.0, 5517.0, 5628.0, 5713.0, 5673.0, 5257.0, 5557.0, 5532.0, 5395.0, 5710.0, 5482.0, 5354.0, 5489.0, 5549.0, 5594.0, 5721.0, 5418.0, 5296.0, 5665.0, 5696.0, 5445.0, 5264.0, 5295.0, 5380.0, 5487.0, 5328.0, 5355.0, 5643.0, 5527.0, 5323.0, 5597.0, 5617.0, 5484.0, 5305.0, 5256.0, 5397.0, 5660.0, 5282.0, 5646.0, 5561.0, 5400.0, 5691.0, 5301.0, 5499.0, 5587.0, 5465.0, 5304.0, 5431.0 (number of hits: 9)
6	5510.0	9	1.0	333	1	5679.0, 5269.0, 5345.0, 5645.0, 5496.0, 5471.0, 5369.0, 5360.0, 5651.0, 5634.0, 5281.0, 5277.0, 5616.0, 5524.0, 5688.0, 5407.0, 5401.0, 5563.0, 5719.0, 5291.0, 5461.0, 5286.0, 5640.0, 5722.0, 5545.0, 5416.0, 5467.0, 5440.0, 5357.0, 5691.0, 5428.0, 5419.0, 5625.0, 5347.0, 5399.0, 5562.0, 5673.0, 5597.0, 5329.0, 5333.0, 5622.0, 5656.0, 5311.0, 5384.0, 5503.0, 5266.0, 5724.0, 5717.0, 5394.0, 5711.0, 5560.0, 5350.0, 5380.0, 5388.0, 5393.0, 5652.0, 5594.0, 5358.0, 5423.0, 5566.0, 5341.0, 5355.0, 5515.0, 5252.0, 5435.0, 5601.0, 5372.0, 5553.0, 5624.0, 5348.0, 5290.0, 5361.0, 5513.0, 5530.0, 5661.0, 5586.0, 5526.0, 5353.0, 5415.0, 5420.0, 5465.0, 5593.0, 5267.0, 5377.0, 5648.0, 5332.0, 5344.0, 5507.0, 5486.0, 5308.0, 5663.0, 5709.0, 5481.0, 5565.0, 5255.0, 5300.0, 5521.0, 5518.0, 5525.0, 5265.0 (number of hits: 10)
7	5510.0	9	1.0	333	1	5686.0, 5638.0, 5382.0, 5318.0, 5414.0, 5503.0, 5642.0, 5523.0, 5507.0, 5605.0, 5350.0, 5553.0, 5326.0, 5467.0, 5602.0, 5625.0, 5517.0, 5365.0, 5544.0, 5551.0, 5485.0, 5383.0, 5277.0, 5498.0, 5363.0, 5708.0, 5342.0, 5322.0, 5687.0, 5327.0, 5564.0, 5349.0, 5608.0, 5373.0, 5618.0, 5376.0, 5656.0, 5341.0, 5392.0, 5252.0, 5387.0, 5604.0, 5658.0, 5337.0, 5439.0, 5717.0, 5613.0, 5546.0, 5682.0, 5571.0, 5324.0, 5400.0, 5646.0, 5269.0, 5501.0, 5548.0, 5701.0, 5550.0, 5707.0, 5718.0, 5671.0, 5590.0, 5389.0, 5335.0, 5666.0, 5506.0, 5258.0, 5678.0, 5716.0, 5599.0, 5659.0, 5332.0, 5554.0, 5306.0, 5543.0, 5469.0, 5287.0, 5295.0, 5426.0, 5593.0, 5637.0, 5713.0, 5280.0, 5331.0, 5663.0, 5288.0, 5635.0, 5648.0, 5390.0, 5576.0, 5610.0, 5339.0, 5595.0, 5617.0, 5473.0, 5668.0, 5275.0, 5606.0, 5343.0, 5420.0 (number of hits: 7)
8	5510.0	9	1.0	333	1	5565.0, 5465.0, 5349.0, 5566.0, 5681.0, 5436.0, 5685.0, 5416.0, 5612.0, 5461.0, 5655.0, 5584.0, 5515.0, 5460.0, 5677.0, 5609.0, 5309.0, 5264.0, 5345.0, 5613.0, 5353.0, 5622.0, 5686.0, 5661.0, 5317.0, 5262.0, 5351.0, 5564.0, 5660.0, 5505.0, 5647.0, 5723.0, 5450.0, 5557.0, 5304.0, 5530.0, 5392.0, 5251.0, 5267.0, 5632.0, 5490.0, 5302.0, 5643.0, 5459.0, 5707.0, 5394.0, 5571.0, 5568.0, 5432.0, 5253.0, 5458.0, 5449.0, 5538.0, 5355.0, 5376.0, 5585.0, 5462.0, 5437.0, 5548.0, 5281.0, 5440.0, 5377.0, 5525.0, 5430.0, 5348.0, 5401.0, 5683.0, 5428.0, 5665.0, 5672.0, 5595.0, 5708.0, 5329.0, 5400.0, 5434.0, 5549.0, 5636.0,

						5553.0, 5444.0, 5265.0, 5658.0, 5413.0, 5517.0, 5443.0, 5278.0, 5714.0, 5297.0, 5431.0, 5666.0, 5354.0, 5483.0, 5651.0, 5477.0, 5318.0, 5338.0, 5396.0, 5639.0, 5331.0, 5397.0, 5290.0 (number of hits: 4)
9	5510.0	9	1.0	333	1	5431.0, 5692.0, 5341.0, 5560.0, 5652.0, 5275.0, 5463.0, 5269.0, 5529.0, 5536.0, 5579.0, 5520.0, 5565.0, 5633.0, 5553.0, 5711.0, 5297.0, 5518.0, 5415.0, 5293.0, 5523.0, 5389.0, 5416.0, 5348.0, 5672.0, 5629.0, 5343.0, 5400.0, 5298.0, 5623.0, 5265.0, 5455.0, 5390.0, 5511.0, 5703.0, 5628.0, 5660.0, 5720.0, 5456.0, 5397.0, 5367.0, 5682.0, 5611.0, 5283.0, 5457.0, 5320.0, 5491.0, 5394.0, 5681.0, 5258.0, 5312.0, 5595.0, 5313.0, 5395.0, 5617.0, 5473.0, 5602.0, 5544.0, 5555.0, 5718.0, 5426.0, 5487.0, 5323.0, 5540.0, 5612.0, 5387.0, 5439.0, 5693.0, 5665.0, 5332.0, 5635.0, 5433.0, 5680.0, 5631.0, 5662.0, 5719.0, 5317.0, 5643.0, 5531.0, 5649.0, 5404.0, 5724.0, 5408.0, 5632.0, 5537.0, 5599.0, 5541.0, 5558.0, 5528.0, 5336.0, 5664.0, 5577.0, 5667.0, 5418.0, 5585.0, 5687.0, 5413.0, 5315.0, 5294.0, 5699.0 (number of hits: 4)
10	5510.0	9	1.0	333	1	5481.0, 5651.0, 5715.0, 5624.0, 5577.0, 5423.0, 5443.0, 5686.0, 5637.0, 5721.0, 5479.0, 5405.0, 5455.0, 5325.0, 5380.0, 5397.0, 5416.0, 5336.0, 5535.0, 5707.0, 5593.0, 5551.0, 5630.0, 5289.0, 5629.0, 5353.0, 5581.0, 5558.0, 5387.0, 5294.0, 5341.0, 5287.0, 5587.0, 5584.0, 5596.0, 5466.0, 5394.0, 5611.0, 5371.0, 5613.0, 5503.0, 5381.0, 5354.0, 5390.0, 5669.0, 5539.0, 5338.0, 5702.0, 5448.0, 5523.0, 5424.0, 5328.0, 5286.0, 5358.0, 5529.0, 5465.0, 5482.0, 5583.0, 5303.0, 5659.0, 5626.0, 5274.0, 5595.0, 5646.0, 5399.0, 5549.0, 5662.0, 5284.0, 5495.0, 5483.0, 5723.0, 5344.0, 5644.0, 5687.0, 5544.0, 5345.0, 5720.0, 5372.0, 5343.0, 5296.0, 5597.0, 5314.0, 5639.0, 5413.0, 5464.0, 5362.0, 5585.0, 5627.0, 5661.0, 5384.0, 5519.0, 5463.0, 5457.0, 5334.0, 5487.0, 5658.0, 5713.0, 5264.0, 5434.0, 5670.0 (number of hits: 4)
11	5510.0	9	1.0	333	1	5379.0, 5344.0, 5578.0, 5516.0, 5572.0, 5577.0, 5386.0, 5624.0, 5373.0, 5506.0, 5425.0, 5686.0, 5628.0, 5612.0, 5566.0, 5580.0, 5304.0, 5657.0, 5265.0, 5356.0, 5673.0, 5369.0, 5407.0, 5602.0, 5389.0, 5507.0, 5404.0, 5593.0, 5613.0, 5294.0, 5655.0, 5263.0, 5409.0, 5718.0, 5412.0, 5697.0, 5564.0, 5329.0, 5704.0, 5255.0, 5534.0, 5710.0, 5664.0, 5640.0, 5560.0, 5665.0, 5271.0, 5652.0, 5268.0, 5429.0, 5693.0, 5502.0, 5472.0, 5380.0, 5620.0, 5705.0, 5432.0, 5630.0, 5590.0, 5711.0, 5500.0, 5641.0, 5660.0, 5350.0, 5554.0, 5619.0, 5485.0, 5319.0, 5678.0, 5352.0, 5341.0, 5358.0, 5303.0, 5264.0, 5302.0, 5430.0, 5275.0, 5272.0, 5357.0, 5636.0, 5481.0, 5563.0, 5375.0, 5715.0, 5588.0, 5311.0, 5305.0, 5316.0, 5313.0, 5585.0, 5426.0, 5266.0, 5394.0, 5666.0, 5398.0, 5513.0, 5440.0, 5520.0, 5455.0, 5338.0 (number of hits: 7)
12	5510.0	9	1.0	333	1	5281.0, 5468.0, 5492.0, 5361.0, 5377.0, 5691.0, 5610.0, 5379.0, 5274.0, 5306.0, 5679.0, 5437.0, 5269.0, 5508.0, 5520.0, 5631.0, 5426.0, 5652.0, 5507.0, 5284.0, 5528.0, 5611.0, 5270.0, 5618.0, 5462.0, 5698.0, 5686.0, 5576.0, 5693.0, 5398.0, 5324.0, 5633.0, 5308.0, 5665.0, 5349.0, 5296.0, 5415.0, 5256.0, 5335.0, 5463.0, 5328.0, 5668.0, 5317.0, 5416.0, 5494.0, 5670.0, 5676.0, 5404.0, 5573.0, 5255.0, 5268.0, 5411.0, 5506.0, 5338.0, 5399.0, 5497.0, 5681.0, 5414.0, 5480.0, 5396.0, 5646.0, 5453.0, 5678.0, 5331.0, 5710.0, 5464.0, 5376.0, 5572.0, 5339.0, 5485.0, 5584.0, 5446.0, 5600.0, 5341.0, 5371.0, 5614.0, 5378.0, 5721.0, 5713.0, 5585.0, 5579.0, 5549.0, 5259.0, 5366.0,

						5601.0, 5557.0, 5385.0, 5529.0, 5356.0, 5474.0, 5279.0, 5606.0, 5718.0, 5346.0, 5282.0, 5673.0, 5499.0, 5467.0, 5334.0, 5641.0 (number of hits: 8)
13	5510.0	9	1.0	333	1	5325.0, 5543.0, 5348.0, 5455.0, 5427.0, 5618.0, 5511.0, 5607.0, 5447.0, 5271.0, 5644.0, 5461.0, 5366.0, 5349.0, 5262.0, 5322.0, 5303.0, 5462.0, 5444.0, 5650.0, 5453.0, 5700.0, 5457.0, 5564.0, 5537.0, 5313.0, 5521.0, 5597.0, 5554.0, 5362.0, 5411.0, 5683.0, 5434.0, 5287.0, 5532.0, 5640.0, 5514.0, 5358.0, 5360.0, 5296.0, 5666.0, 5667.0, 5329.0, 5630.0, 5291.0, 5309.0, 5658.0, 5580.0, 5656.0, 5290.0, 5515.0, 5327.0, 5485.0, 5517.0, 5688.0, 5709.0, 5445.0, 5363.0, 5403.0, 5330.0, 5672.0, 5435.0, 5261.0, 5350.0, 5606.0, 5539.0, 5276.0, 5284.0, 5419.0, 5450.0, 5571.0, 5269.0, 5438.0, 5698.0, 5314.0, 5520.0, 5634.0, 5546.0, 5400.0, 5620.0, 5565.0, 5334.0, 5254.0, 5258.0, 5495.0, 5463.0, 5408.0, 5668.0, 5431.0, 5420.0, 5558.0, 5562.0, 5415.0, 5660.0, 5587.0, 5338.0, 5560.0, 5629.0, 5385.0, 5387.0 (number of hits: 7)
14	5510.0	9	1.0	333	1	5498.0, 5593.0, 5624.0, 5712.0, 5668.0, 5580.0, 5368.0, 5491.0, 5679.0, 5309.0, 5626.0, 5343.0, 5308.0, 5623.0, 5571.0, 5621.0, 5470.0, 5636.0, 5529.0, 5517.0, 5599.0, 5462.0, 5384.0, 5358.0, 5451.0, 5616.0, 5436.0, 5484.0, 5694.0, 5293.0, 5670.0, 5337.0, 5556.0, 5326.0, 5284.0, 5353.0, 5629.0, 5511.0, 5459.0, 5570.0, 5461.0, 5683.0, 5711.0, 5385.0, 5312.0, 5382.0, 5708.0, 5548.0, 5305.0, 5434.0, 5485.0, 5286.0, 5618.0, 5442.0, 5537.0, 5440.0, 5546.0, 5346.0, 5255.0, 5426.0, 5594.0, 5314.0, 5584.0, 5431.0, 5324.0, 5377.0, 5407.0, 5338.0, 5569.0, 5509.0, 5329.0, 5691.0, 5646.0, 5684.0, 5288.0, 5650.0, 5524.0, 5561.0, 5531.0, 5602.0, 5500.0, 5310.0, 5630.0, 5523.0, 5333.0, 5269.0, 5359.0, 5519.0, 5579.0, 5456.0, 5490.0, 5372.0, 5573.0, 5285.0, 5340.0, 5699.0, 5387.0, 5263.0, 5563.0, 5280.0 (number of hits: 8)
15	5510.0	9	1.0	333	1	5392.0, 5459.0, 5322.0, 5364.0, 5379.0, 5632.0, 5298.0, 5585.0, 5426.0, 5639.0, 5675.0, 5609.0, 5437.0, 5257.0, 5631.0, 5537.0, 5579.0, 5553.0, 5648.0, 5652.0, 5503.0, 5669.0, 5573.0, 5290.0, 5687.0, 5583.0, 5569.0, 5700.0, 5693.0, 5293.0, 5430.0, 5644.0, 5277.0, 5294.0, 5522.0, 5708.0, 5496.0, 5533.0, 5454.0, 5309.0, 5664.0, 5610.0, 5488.0, 5409.0, 5697.0, 5387.0, 5458.0, 5330.0, 5524.0, 5536.0, 5367.0, 5540.0, 5531.0, 5647.0, 5316.0, 5576.0, 5665.0, 5276.0, 5468.0, 5327.0, 5344.0, 5527.0, 5492.0, 5691.0, 5270.0, 5264.0, 5703.0, 5441.0, 5543.0, 5301.0, 5529.0, 5314.0, 5361.0, 5306.0, 5443.0, 5300.0, 5627.0, 5353.0, 5575.0, 5539.0, 5397.0, 5715.0, 5671.0, 5396.0, 5418.0, 5554.0, 5318.0, 5512.0, 5334.0, 5523.0, 5254.0, 5614.0, 5340.0, 5406.0, 5636.0, 5651.0, 5653.0, 5556.0, 5481.0, 5375.0 (number of hits: 8)
16	5510.0	9	1.0	333	1	5683.0, 5401.0, 5517.0, 5662.0, 5465.0, 5543.0, 5269.0, 5610.0, 5495.0, 5491.0, 5533.0, 5278.0, 5722.0, 5370.0, 5600.0, 5701.0, 5554.0, 5354.0, 5486.0, 5545.0, 5316.0, 5306.0, 5270.0, 5365.0, 5677.0, 5711.0, 5667.0, 5482.0, 5705.0, 5391.0, 5656.0, 5283.0, 5685.0, 5294.0, 5347.0, 5468.0, 5345.0, 5438.0, 5724.0, 5657.0, 5496.0, 5511.0, 5588.0, 5644.0, 5561.0, 5537.0, 5330.0, 5596.0, 5463.0, 5676.0, 5648.0, 5723.0, 5529.0, 5284.0, 5706.0, 5472.0, 5641.0, 5448.0, 5445.0, 5299.0, 5411.0, 5413.0, 5285.0, 5494.0, 5570.0, 5417.0, 5574.0, 5358.0, 5550.0, 5577.0, 5432.0, 5378.0, 5367.0, 5434.0, 5492.0, 5318.0, 5255.0, 5528.0, 5315.0, 5567.0, 5625.0, 5289.0, 5319.0, 5654.0, 5691.0, 5339.0, 5639.0, 5441.0, 5710.0, 5298.0, 5674.0,

						5562.0, 5457.0, 5351.0, 5268.0, 5698.0, 5257.0, 5593.0, 5555.0, 5614.0 (number of hits: 6)
17	5510.0	9	1.0	333	1	5416.0, 5556.0, 5682.0, 5709.0, 5701.0, 5294.0, 5552.0, 5474.0, 5301.0, 5472.0, 5342.0, 5411.0, 5367.0, 5507.0, 5365.0, 5708.0, 5443.0, 5606.0, 5519.0, 5622.0, 5650.0, 5615.0, 5704.0, 5471.0, 5432.0, 5697.0, 5283.0, 5563.0, 5270.0, 5503.0, 5612.0, 5441.0, 5437.0, 5280.0, 5366.0, 5549.0, 5263.0, 5345.0, 5659.0, 5508.0, 5674.0, 5277.0, 5692.0, 5298.0, 5693.0, 5488.0, 5698.0, 5584.0, 5628.0, 5567.0, 5433.0, 5656.0, 5399.0, 5520.0, 5536.0, 5354.0, 5386.0, 5492.0, 5696.0, 5430.0, 5523.0, 5310.0, 5467.0, 5485.0, 5484.0, 5337.0, 5723.0, 5637.0, 5359.0, 5548.0, 5669.0, 5372.0, 5724.0, 5564.0, 5502.0, 5442.0, 5452.0, 5576.0, 5356.0, 5555.0, 5269.0, 5379.0, 5494.0, 5707.0, 5544.0, 5418.0, 5460.0, 5272.0, 5456.0, 5658.0, 5402.0, 5566.0, 5594.0, 5501.0, 5382.0, 5558.0, 5457.0, 5290.0, 5415.0, 5635.0 (number of hits: 10)
18	5510.0	9	1.0	333	1	5668.0, 5455.0, 5614.0, 5556.0, 5571.0, 5720.0, 5680.0, 5274.0, 5435.0, 5688.0, 5645.0, 5610.0, 5433.0, 5643.0, 5570.0, 5671.0, 5524.0, 5453.0, 5387.0, 5511.0, 5349.0, 5302.0, 5697.0, 5367.0, 5441.0, 5558.0, 5692.0, 5644.0, 5710.0, 5412.0, 5343.0, 5595.0, 5609.0, 5319.0, 5452.0, 5427.0, 5549.0, 5252.0, 5620.0, 5417.0, 5506.0, 5587.0, 5579.0, 5522.0, 5684.0, 5696.0, 5585.0, 5562.0, 5535.0, 5389.0, 5650.0, 5703.0, 5661.0, 5647.0, 5269.0, 5402.0, 5339.0, 5409.0, 5428.0, 5695.0, 5457.0, 5298.0, 5553.0, 5418.0, 5251.0, 5408.0, 5305.0, 5508.0, 5691.0, 5328.0, 5355.0, 5705.0, 5652.0, 5669.0, 5714.0, 5576.0, 5555.0, 5592.0, 5406.0, 5257.0, 5421.0, 5467.0, 5271.0, 5711.0, 5628.0, 5438.0, 5359.0, 5360.0, 5264.0, 5385.0, 5560.0, 5275.0, 5425.0, 5503.0, 5505.0, 5284.0, 5470.0, 5635.0, 5638.0, 5690.0 (number of hits: 7)
19	5510.0	9	1.0	333	1	5596.0, 5313.0, 5554.0, 5284.0, 5573.0, 5620.0, 5696.0, 5659.0, 5648.0, 5627.0, 5450.0, 5353.0, 5527.0, 5268.0, 5502.0, 5716.0, 5457.0, 5367.0, 5624.0, 5549.0, 5538.0, 5357.0, 5273.0, 5508.0, 5574.0, 5260.0, 5385.0, 5443.0, 5293.0, 5366.0, 5615.0, 5380.0, 5593.0, 5302.0, 5705.0, 5310.0, 5625.0, 5348.0, 5264.0, 5605.0, 5653.0, 5253.0, 5680.0, 5461.0, 5474.0, 5389.0, 5404.0, 5675.0, 5640.0, 5586.0, 5651.0, 5646.0, 5478.0, 5256.0, 5583.0, 5430.0, 5275.0, 5400.0, 5714.0, 5634.0, 5322.0, 5431.0, 5499.0, 5667.0, 5483.0, 5628.0, 5717.0, 5700.0, 5526.0, 5304.0, 5265.0, 5685.0, 5664.0, 5362.0, 5336.0, 5432.0, 5300.0, 5326.0, 5491.0, 5676.0, 5269.0, 5282.0, 5601.0, 5639.0, 5358.0, 5660.0, 5464.0, 5490.0, 5692.0, 5519.0, 5258.0, 5420.0, 5297.0, 5723.0, 5542.0, 5470.0, 5318.0, 5272.0, 5423.0, 5548.0 (number of hits: 6)
20	5510.0	9	1.0	333	1	5252.0, 5468.0, 5574.0, 5634.0, 5392.0, 5650.0, 5599.0, 5499.0, 5351.0, 5368.0, 5265.0, 5688.0, 5602.0, 5341.0, 5366.0, 5661.0, 5434.0, 5481.0, 5304.0, 5530.0, 5453.0, 5565.0, 5301.0, 5461.0, 5677.0, 5509.0, 5700.0, 5693.0, 5305.0, 5288.0, 5322.0, 5320.0, 5560.0, 5359.0, 5699.0, 5692.0, 5673.0, 5639.0, 5336.0, 5344.0, 5617.0, 5713.0, 5260.0, 5274.0, 5620.0, 5561.0, 5447.0, 5421.0, 5614.0, 5420.0, 5282.0, 5674.0, 5250.0, 5708.0, 5536.0, 5470.0, 5660.0, 5667.0, 5497.0, 5510.0, 5474.0, 5545.0, 5522.0, 5595.0, 5380.0, 5411.0, 5350.0, 5612.0, 5616.0, 5533.0, 5653.0, 5313.0, 5315.0, 5676.0, 5544.0, 5486.0, 5641.0, 5619.0, 5266.0, 5432.0, 5490.0, 5670.0, 5294.0, 5400.0, 5343.0, 5332.0, 5579.0, 5384.0, 5457.0, 5702.0, 5610.0, 5675.0, 5658.0, 5407.0, 5372.0, 5342.0, 5494.0, 5671.0,

						5314.0, 5428.0 (number of hits: 6)
21	5510.0	9	1.0	333	1	5694.0, 5442.0, 5582.0, 5607.0, 5279.0, 5722.0, 5388.0, 5687.0, 5632.0, 5550.0, 5400.0, 5352.0, 5543.0, 5361.0, 5399.0, 5567.0, 5711.0, 5631.0, 5271.0, 5663.0, 5488.0, 5576.0, 5608.0, 5501.0, 5525.0, 5586.0, 5303.0, 5650.0, 5652.0, 5592.0, 5610.0, 5356.0, 5347.0, 5497.0, 5558.0, 5638.0, 5477.0, 5434.0, 5506.0, 5338.0, 5495.0, 5554.0, 5343.0, 5436.0, 5300.0, 5265.0, 5601.0, 5508.0, 5677.0, 5444.0, 5523.0, 5471.0, 5612.0, 5484.0, 5619.0, 5538.0, 5432.0, 5659.0, 5378.0, 5431.0, 5311.0, 5404.0, 5371.0, 5278.0, 5587.0, 5583.0, 5306.0, 5486.0, 5628.0, 5428.0, 5709.0, 5717.0, 5438.0, 5407.0, 5653.0, 5354.0, 5368.0, 5710.0, 5272.0, 5700.0, 5386.0, 5581.0, 5499.0, 5600.0, 5496.0, 5626.0, 5625.0, 5672.0, 5572.0, 5289.0, 5660.0, 5284.0, 5540.0, 5676.0, 5463.0, 5355.0, 5614.0, 5363.0, 5443.0, 5322.0 (number of hits: 9)
22	5510.0	9	1.0	333	1	5576.0, 5371.0, 5570.0, 5296.0, 5394.0, 5631.0, 5255.0, 5514.0, 5407.0, 5309.0, 5599.0, 5402.0, 5473.0, 5312.0, 5375.0, 5395.0, 5646.0, 5617.0, 5382.0, 5499.0, 5392.0, 5600.0, 5451.0, 5484.0, 5519.0, 5523.0, 5691.0, 5571.0, 5504.0, 5317.0, 5714.0, 5337.0, 5444.0, 5424.0, 5324.0, 5500.0, 5347.0, 5308.0, 5327.0, 5351.0, 5381.0, 5591.0, 5488.0, 5531.0, 5640.0, 5507.0, 5672.0, 5539.0, 5414.0, 5283.0, 5358.0, 5605.0, 5439.0, 5405.0, 5250.0, 5366.0, 5624.0, 5684.0, 5464.0, 5649.0, 5418.0, 5603.0, 5588.0, 5363.0, 5465.0, 5629.0, 5299.0, 5456.0, 5262.0, 5712.0, 5655.0, 5364.0, 5410.0, 5432.0, 5425.0, 5601.0, 5615.0, 5314.0, 5420.0, 5549.0, 5540.0, 5716.0, 5658.0, 5295.0, 5700.0, 5340.0, 5297.0, 5436.0, 5483.0, 5569.0, 5435.0, 5564.0, 5676.0, 5470.0, 5258.0, 5551.0, 5664.0, 5506.0, 5398.0, 5323.0 (number of hits: 8)
23	5510.0	9	1.0	333	1	5508.0, 5441.0, 5447.0, 5634.0, 5582.0, 5478.0, 5345.0, 5320.0, 5500.0, 5507.0, 5290.0, 5709.0, 5712.0, 5649.0, 5506.0, 5568.0, 5719.0, 5458.0, 5711.0, 5504.0, 5498.0, 5686.0, 5483.0, 5262.0, 5340.0, 5592.0, 5389.0, 5636.0, 5386.0, 5261.0, 5605.0, 5293.0, 5474.0, 5575.0, 5684.0, 5307.0, 5673.0, 5580.0, 5268.0, 5309.0, 5694.0, 5451.0, 5589.0, 5563.0, 5417.0, 5529.0, 5650.0, 5445.0, 5720.0, 5618.0, 5411.0, 5298.0, 5253.0, 5721.0, 5724.0, 5254.0, 5283.0, 5383.0, 5306.0, 5470.0, 5394.0, 5324.0, 5608.0, 5556.0, 5497.0, 5644.0, 5489.0, 5536.0, 5392.0, 5327.0, 5513.0, 5326.0, 5457.0, 5567.0, 5625.0, 5311.0, 5627.0, 5662.0, 5338.0, 5313.0, 5272.0, 5651.0, 5456.0, 5371.0, 5473.0, 5584.0, 5550.0, 5699.0, 5256.0, 5722.0, 5332.0, 5431.0, 5512.0, 5663.0, 5375.0, 5337.0, 5460.0, 5281.0, 5453.0, 5454.0 (number of hits: 9)
24	5510.0	9	1.0	333	1	5280.0, 5664.0, 5402.0, 5491.0, 5637.0, 5620.0, 5658.0, 5515.0, 5704.0, 5718.0, 5567.0, 5389.0, 5476.0, 5573.0, 5368.0, 5684.0, 5397.0, 5709.0, 5648.0, 5494.0, 5375.0, 5369.0, 5702.0, 5468.0, 5362.0, 5624.0, 5435.0, 5283.0, 5320.0, 5420.0, 5417.0, 5492.0, 5268.0, 5539.0, 5574.0, 5676.0, 5376.0, 5373.0, 5471.0, 5603.0, 5675.0, 5597.0, 5656.0, 5472.0, 5641.0, 5499.0, 5385.0, 5581.0, 5596.0, 5284.0, 5411.0, 5451.0, 5719.0, 5682.0, 5561.0, 5552.0, 5311.0, 5395.0, 5496.0, 5282.0, 5447.0, 5481.0, 5582.0, 5460.0, 5562.0, 5720.0, 5645.0, 5310.0, 5306.0, 5604.0, 5253.0, 5673.0, 5668.0, 5495.0, 5669.0, 5431.0, 5507.0, 5633.0, 5569.0, 5482.0, 5625.0, 5353.0, 5670.0, 5466.0, 5626.0, 5512.0, 5677.0, 5351.0, 5649.0, 5259.0, 5553.0, 5611.0, 5427.0, 5541.0, 5535.0, 5722.0, 5390.0, 5477.0, 5288.0, 5526.0 (number of hits: 9)

25	5510.0	9	1.0	333	1	5718.0, 5373.0, 5587.0, 5644.0, 5399.0, 5555.0, 5534.0, 5541.0, 5595.0, 5461.0, 5338.0, 5531.0, 5690.0, 5282.0, 5692.0, 5313.0, 5479.0, 5705.0, 5343.0, 5364.0, 5406.0, 5405.0, 5455.0, 5478.0, 5667.0, 5529.0, 5332.0, 5626.0, 5352.0, 5453.0, 5606.0, 5575.0, 5627.0, 5590.0, 5542.0, 5687.0, 5408.0, 5325.0, 5584.0, 5653.0, 5331.0, 5562.0, 5322.0, 5698.0, 5519.0, 5706.0, 5615.0, 5483.0, 5603.0, 5278.0, 5623.0, 5549.0, 5683.0, 5468.0, 5421.0, 5401.0, 5572.0, 5509.0, 5460.0, 5648.0, 5363.0, 5361.0, 5304.0, 5654.0, 5686.0, 5578.0, 5296.0, 5351.0, 5583.0, 5428.0, 5611.0, 5601.0, 5429.0, 5390.0, 5293.0, 5689.0, 5378.0, 5536.0, 5386.0, 5660.0, 5250.0, 5684.0, 5646.0, 5391.0, 5559.0, 5492.0, 5589.0, 5599.0, 5335.0, 5388.0, 5392.0, 5307.0, 5466.0, 5566.0, 5280.0, 5370.0, 5279.0, 5454.0, 5652.0, 5530.0 (number of hits: 3)
26	5510.0	9	1.0	333	1	5319.0, 5477.0, 5554.0, 5618.0, 5259.0, 5323.0, 5496.0, 5398.0, 5433.0, 5500.0, 5371.0, 5642.0, 5509.0, 5583.0, 5678.0, 5652.0, 5425.0, 5362.0, 5653.0, 5674.0, 5252.0, 5672.0, 5451.0, 5354.0, 5685.0, 5693.0, 5331.0, 5312.0, 5357.0, 5318.0, 5417.0, 5586.0, 5446.0, 5510.0, 5380.0, 5540.0, 5495.0, 5418.0, 5290.0, 5363.0, 5595.0, 5711.0, 5651.0, 5523.0, 5447.0, 5289.0, 5645.0, 5469.0, 5713.0, 5654.0, 5498.0, 5288.0, 5631.0, 5300.0, 5665.0, 5332.0, 5389.0, 5464.0, 5567.0, 5352.0, 5386.0, 5579.0, 5339.0, 5559.0, 5634.0, 5328.0, 5372.0, 5531.0, 5723.0, 5360.0, 5348.0, 5287.0, 5356.0, 5666.0, 5664.0, 5600.0, 5400.0, 5322.0, 5268.0, 5376.0, 5457.0, 5391.0, 5722.0, 5588.0, 5701.0, 5691.0, 5479.0, 5623.0, 5445.0, 5519.0, 5518.0, 5275.0, 5421.0, 5702.0, 5282.0, 5663.0, 5688.0, 5552.0, 5327.0, 5365.0 (number of hits: 9)
27	5510.0	9	1.0	333	1	5707.0, 5466.0, 5501.0, 5524.0, 5670.0, 5529.0, 5549.0, 5552.0, 5538.0, 5363.0, 5333.0, 5257.0, 5716.0, 5397.0, 5294.0, 5648.0, 5645.0, 5599.0, 5699.0, 5297.0, 5640.0, 5383.0, 5252.0, 5440.0, 5581.0, 5432.0, 5708.0, 5542.0, 5597.0, 5547.0, 5442.0, 5270.0, 5414.0, 5571.0, 5665.0, 5280.0, 5391.0, 5715.0, 5572.0, 5264.0, 5316.0, 5692.0, 5315.0, 5714.0, 5263.0, 5673.0, 5528.0, 5497.0, 5561.0, 5647.0, 5413.0, 5426.0, 5299.0, 5683.0, 5655.0, 5510.0, 5612.0, 5374.0, 5704.0, 5338.0, 5462.0, 5579.0, 5568.0, 5587.0, 5543.0, 5516.0, 5499.0, 5672.0, 5467.0, 5671.0, 5312.0, 5700.0, 5302.0, 5347.0, 5719.0, 5388.0, 5507.0, 5602.0, 5428.0, 5266.0, 5481.0, 5372.0, 5421.0, 5661.0, 5606.0, 5425.0, 5567.0, 5495.0, 5660.0, 5301.0, 5553.0, 5525.0, 5603.0, 5530.0, 5694.0, 5353.0, 5512.0, 5408.0, 5362.0, 5575.0 (number of hits: 10)
28	5510.0	9	1.0	333	1	5656.0, 5606.0, 5392.0, 5411.0, 5640.0, 5466.0, 5548.0, 5477.0, 5262.0, 5657.0, 5432.0, 5363.0, 5523.0, 5257.0, 5618.0, 5330.0, 5265.0, 5619.0, 5700.0, 5582.0, 5625.0, 5702.0, 5278.0, 5723.0, 5626.0, 5287.0, 5465.0, 5420.0, 5453.0, 5499.0, 5281.0, 5307.0, 5373.0, 5559.0, 5412.0, 5291.0, 5456.0, 5572.0, 5448.0, 5651.0, 5549.0, 5581.0, 5321.0, 5644.0, 5531.0, 5677.0, 5284.0, 5431.0, 5662.0, 5343.0, 5492.0, 5461.0, 5355.0, 5680.0, 5398.0, 5468.0, 5325.0, 5539.0, 5490.0, 5630.0, 5510.0, 5394.0, 5319.0, 5544.0, 5597.0, 5407.0, 5419.0, 5622.0, 5629.0, 5305.0, 5595.0, 5527.0, 5690.0, 5463.0, 5450.0, 5658.0, 5268.0, 5593.0, 5282.0, 5481.0, 5277.0, 5512.0, 5260.0, 5365.0, 5493.0, 5563.0, 5571.0, 5302.0, 5524.0, 5273.0, 5508.0, 5447.0, 5315.0, 5310.0, 5517.0, 5664.0, 5316.0, 5264.0, 5641.0, 5670.0 (number of hits: 10)
29	5510.0	9	1.0	333	1	5473.0, 5588.0, 5396.0, 5574.0, 5484.0, 5527.0, 5276.0,

						5631.0, 5701.0, 5649.0, 5614.0, 5378.0, 5327.0, 5482.0, 5466.0, 5486.0, 5707.0, 5491.0, 5306.0, 5446.0, 5603.0, 5314.0, 5672.0, 5720.0, 5437.0, 5453.0, 5656.0, 5616.0, 5400.0, 5462.0, 5558.0, 5539.0, 5691.0, 5634.0, 5621.0, 5353.0, 5293.0, 5692.0, 5509.0, 5419.0, 5584.0, 5390.0, 5525.0, 5285.0, 5492.0, 5532.0, 5311.0, 5269.0, 5542.0, 5559.0, 5636.0, 5417.0, 5266.0, 5481.0, 5424.0, 5654.0, 5439.0, 5480.0, 5416.0, 5259.0, 5538.0, 5507.0, 5633.0, 5661.0, 5256.0, 5426.0, 5645.0, 5408.0, 5719.0, 5436.0, 5427.0, 5688.0, 5255.0, 5263.0, 5489.0, 5618.0, 5662.0, 5540.0, 5693.0, 5686.0, 5626.0, 5440.0, 5648.0, 5593.0, 5281.0, 5447.0, 5566.0, 5430.0, 5580.0, 5373.0, 5665.0, 5374.0, 5705.0, 5423.0, 5516.0, 5305.0, 5552.0, 5556.0, 5254.0, 5606.0 (number of hits: 6)
30	5510.0	9	1.0	333	1	5597.0, 5447.0, 5693.0, 5500.0, 5310.0, 5661.0, 5649.0, 5463.0, 5336.0, 5418.0, 5711.0, 5544.0, 5311.0, 5465.0, 5254.0, 5522.0, 5556.0, 5253.0, 5624.0, 5268.0, 5644.0, 5553.0, 5658.0, 5705.0, 5444.0, 5519.0, 5687.0, 5435.0, 5472.0, 5529.0, 5712.0, 5487.0, 5662.0, 5635.0, 5394.0, 5702.0, 5710.0, 5581.0, 5325.0, 5439.0, 5565.0, 5719.0, 5646.0, 5562.0, 5422.0, 5328.0, 5627.0, 5533.0, 5322.0, 5407.0, 5558.0, 5373.0, 5384.0, 5495.0, 5651.0, 5498.0, 5323.0, 5678.0, 5337.0, 5525.0, 5602.0, 5478.0, 5538.0, 5709.0, 5591.0, 5340.0, 5488.0, 5364.0, 5276.0, 5603.0, 5688.0, 5412.0, 5474.0, 5312.0, 5686.0, 5607.0, 5708.0, 5284.0, 5433.0, 5466.0, 5606.0, 5275.0, 5476.0, 5262.0, 5288.0, 5503.0, 5261.0, 5374.0, 5681.0, 5436.0, 5309.0, 5317.0, 5281.0, 5652.0, 5534.0, 5334.0, 5297.0, 5441.0, 5324.0, 5625.0 (number of hits: 7)

**P2P Mode
Pine Radio****5530 MHz, 80 MHz Bandwidth**

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	90 %	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	59	1.0	898	1
3	65	1.0	818	1
4	58	1.0	918	1
5	61	1.0	878	1
6	81	1.0	658	1
7	74	1.0	718	0
8	68	1.0	778	1
9	18	1.0	3066	1
10	95	1.0	558	1
11	102	1.0	518	1
12	89	1.0	598	1
13	62	1.0	858	1
14	67	1.0	798	1
15	70	1.0	758	1
16	36	1.0	1492	1
17	80	1.0	665	1
18	27	1.0	2023	1
19	70	1.0	754	1
20	31	1.0	1725	1
21	21	1.0	2531	1
22	22	1.0	2446	1
23	52	1.0	1025	1
24	26	1.0	2081	1
25	101	1.0	526	1
26	30	1.0	1783	1
27	35	1.0	1534	1
28	39	1.0	1368	1
29	30	1.0	1806	1
30	54	1.0	985	1
Detection Percentage: 96.7 % (>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	23	5.0	154	0
2	23	4.2	213	1
3	27	2.9	197	1
4	24	4.8	150	1
5	26	3.5	228	1
6	23	3.7	193	1
7	26	3.8	183	0
8	23	3.0	213	0
9	25	1.7	160	1
10	23	2.4	190	1
11	28	4.2	230	1
12	25	3.9	186	1
13	28	2.0	159	1
14	27	3.9	166	1
15	28	3.8	214	0
16	26	4.8	154	1
17	25	2.9	210	1
18	29	3.0	181	1
19	24	4.9	185	1
20	24	4.2	167	1
21	27	3.4	193	1
22	27	2.0	150	1
23	29	3.8	157	1
24	24	2.1	212	0
25	29	1.7	189	1
26	26	4.2	198	1
27	29	1.1	172	1
28	24	5.0	192	1
29	25	4.4	189	1
30	23	2.9	172	1
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	18	7.9	286	0
2	16	8.2	347	1
3	18	9.7	312	1
4	18	7.4	294	1
5	18	8.0	279	1
6	16	7.0	236	1
7	18	7.6	353	1
8	18	8.3	455	1
9	18	7.3	499	0
10	18	9.1	207	1
11	17	6.0	379	1
12	18	8.5	328	1
13	17	7.2	281	1
14	16	9.6	471	0
15	18	6.8	440	1
16	16	8.4	402	1
17	18	7.0	332	1
18	18	8.0	257	1
19	17	8.9	225	1
20	17	8.5	312	1
21	17	8.0	351	1
22	17	8.2	263	1
23	18	9.0	388	1
24	17	9.6	410	0
25	16	9.7	429	1
26	18	6.2	485	1
27	18	8.4	462	1
28	18	9.1	430	1
29	18	7.7	292	0
30	16	8.6	442	1
Detection Percentage: 83.3 % (>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	16	18.5	234	1
2	14	14.3	242	1
3	15	19.2	208	1
4	16	13.4	398	1
5	15	19.8	487	1
6	16	18.2	471	1
7	16	12.6	326	1
8	16	15.5	296	0
9	16	13.2	270	1
10	15	13.5	216	1
11	14	11.9	375	1
12	12	17.0	267	1
13	13	12.7	299	1
14	15	16.5	204	1
15	16	18.9	387	1
16	12	19.8	444	1
17	13	17.5	326	1
18	14	18.0	480	1
19	13	18.6	411	1
20	13	11.2	326	1
21	12	12.4	473	1
22	14	16.6	331	1
23	16	15.3	310	1
24	16	16.5	488	1
25	15	16.6	422	1
26	13	14.2	210	1
27	12	14.3	369	1
28	14	14.7	335	1
29	13	19.4	402	1
30	14	17.1	246	1
Detection Percentage: 96.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5498.3	1
12	5499.5	1
13	5496.7	1
14	5498.3	1
15	5494.7	1
16	5494.7	1
17	5498.7	1
18	5498.3	1
19	5495.5	1
20	5497.1	1
21	5562.9	1
22	5565.3	1
23	5564.1	1
24	5564.9	1
25	5564.9	1
26	5562.5	1
27	5565.3	1
28	5564.1	1
29	5561.3	1
30	5564.1	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	92.4	1894	1671	0.507275	1
1	2	9	80.5	1701		1.375735	
2	2	9	59.9	1286		2.064724	
3	1	9	74.1			2.664996	
4	2	9	60.8	1115		3.359038	
5	2	9	82.5	1750		3.907004	
6	2	9	69.5	1278		4.895047	
7	2	9	91.2	1090		5.641134	
8	2	9	77.2	1982		6.283782	
9	1	9	53.5			6.795828	
10	3	9	83.5	1731	1792	7.768415	
11	2	9	67.7	1973		8.986422	
12	2	9	78.1	1850		9.054314	
13	2	9	70.4	1756		10.081295	
14	2	9	99.6	1652		11.116986	
15	1	9	72.9			11.574628	

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	89.2	1042	1309	0.345837	1
1	2	12	73.5	1832		1.087673	
2	2	12	77.7	1054		1.949983	
3	1	12	84.1			2.610544	
4	1	12	99.0			3.196264	
5	3	12	86.7	1550	1630	3.874872	
6	3	12	89.6	1696	1389	5.005123	
7	2	12	95.2	1646		5.634556	
8	2	12	71.1	1884		6.403332	
9	2	12	79.5	1435		6.974012	
10	3	12	95.1	1239	1503	8.139952	
11	1	12	78.0			8.979350	
12	3	12	60.2	1557	1175	9.241177	
13	2	12	97.5	1970		10.201133	
14	1	12	89.4			10.725168	
15	1	12	80.8			11.761564	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	75.1	1462		0.276515	1
1	2	14	53.5	1322		1.289177	
2	2	14	63.8	1531		2.660712	
3	2	14	83.9	1517		3.189073	
4	1	14	71.6			4.415706	
5	3	14	87.9	1722	1992	5.328768	
6	2	14	53.7	1680		6.081802	
7	3	14	77.1	1657	1678	6.742605	
8	1	14	94.0			7.661519	
9	1	14	64.3			8.851182	
10	3	14	69.0	1842	1031	9.791539	
11	1	14	83.5			10.371282	
12	3	14	83.4	1727	1891	11.258981	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	75.0	1058		0.645884	1
1	1	8	92.0			1.175902	
2	1	8	80.0			1.867136	
3	2	8	74.4	1367		2.648506	
4	2	8	62.9	1424		3.043151	
5	2	8	79.3	1925		4.086200	
6	1	8	55.0			4.549062	
7	2	8	50.2	1117		5.133960	
8	2	8	64.1	1507		5.793597	
9	2	8	55.0	1705		6.915899	
10	2	8	56.1	1957		7.112581	
11	2	8	89.2	1215		8.321479	
12	2	8	79.1	1346		8.660454	
13	2	8	53.9	1110		9.597825	
14	2	8	93.7	1184		10.278387	
15	2	8	60.9	1356		11.021713	
16	2	8	82.6	1180		11.391805	

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	6	59.2	1572		0.759816	1
1	3	6	71.0	1666	1016	1.818369	
2	2	6	53.1	1120		2.702160	
3	3	6	89.0	1826	1286	2.823941	
4	1	6	67.2			3.823730	
5	3	6	50.8	1977	1370	4.744520	
6	3	6	98.6	1399	1496	6.435459	
7	3	6	81.0	1301	1046	7.080939	
8	2	6	95.5	1227		8.255931	
9	3	6	81.0	1457	1457	8.431935	
10	3	6	64.8	1651	1073	9.377806	
11	2	6	77.0	1506		10.943139	
12	3	6	80.3	1981	1817	11.743267	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	75.6	1382		0.466495	1
1	3	6	58.0	1569	1468	1.592200	
2	1	6	53.2			2.694248	
3	2	6	94.9	1280		3.840631	
4	2	6	51.1	1057		4.799284	
5	1	6	60.6			5.525464	
6	2	6	51.4	1170		6.210416	
7	2	6	82.0	1434		7.125387	
8	1	6	61.9			8.894430	
9	2	6	76.6	1861		9.837851	
10	3	6	66.3	1067	1431	10.975562	
11	2	6	59.8	1653		11.260359	

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	92.3			0.014187	1
1	2	14	99.7	1623		0.934274	
2	1	14	60.1			2.109303	
3	1	14	58.1			2.965011	
4	2	14	95.7	1858		3.353662	
5	3	14	73.1	1013	1442	3.843441	
6	3	14	82.7	1332	1326	4.607476	
7	2	14	99.0	1847		5.254696	
8	2	14	53.6	1244		6.424389	
9	1	14	65.4			7.488577	
10	1	14	69.6			8.119091	
11	2	14	84.0	1319		8.906060	
12	1	14	52.5			9.656357	
13	2	14	69.5	1771		9.905235	
14	3	14	74.3	1712	1223	10.815670	
15	2	14	66.0	1754		11.751076	

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	67.4			0.635861	1
1	1	10	90.6			1.720916	
2	2	10	100.0	1584		2.520269	
3	3	10	63.2	1026	1984	3.297015	
4	2	10	56.1	1912		4.361279	
5	1	10	52.1			5.082345	
6	2	10	94.6	1868		5.971186	
7	3	10	54.5	1155	1642	6.660993	
8	2	10	83.3	1819		7.928616	
9	1	10	98.8			9.050689	
10	3	10	65.6	1122	1555	9.414743	
11	1	10	81.6			10.411745	
12	2	10	84.5	1917		11.895993	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	97.2	1747		0.210930	1
1	1	16	64.1			1.381023	
2	1	16	54.7			2.129613	
3	2	16	73.4	1910		3.126240	
4	2	16	74.5	1085		3.853535	
5	3	16	93.1	1839	1953	4.979609	
6	2	16	75.7	1604		5.999508	
7	3	16	60.9	1912	1384	6.748431	
8	2	16	56.1	1391		7.592385	
9	2	16	66.4	1064		8.938029	
10	2	16	69.8	1574		9.462742	
11	2	16	82.4	1341		10.320799	
12	2	16	71.4	1596		11.309319	

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	14	77.5	1209		0.869566	1
1	1	14	67.7			2.125174	
2	1	14	54.6			3.020975	
3	2	14	65.3	1533		4.322716	
4	2	14	75.3	1791		5.014931	
5	2	14	87.1	1113		6.085592	
6	1	14	69.0			6.672286	
7	3	14	51.0	1985	1551	7.878324	
8	3	14	73.8	1687	1491	9.271317	
9	2	14	94.5	1405		10.478407	
10	1	14	64.0			11.937826	

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	17	96.3	1678		0.811175	1
1	1	17	51.6			1.403471	
2	2	17	62.7	1415		2.404044	
3	2	17	83.5	1293		3.395673	
4	1	17	67.4			4.968815	
5	2	17	70.9	1273		5.865838	
6	1	17	60.3			6.593925	
7	3	17	73.0	1304	1402	7.875566	
8	2	17	81.8	1410		8.853799	
9	2	17	75.6	1385		9.111089	
10	3	17	83.8	1007	1987	10.716859	
11	3	17	78.5	1104	1301	11.159586	

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	20	63.7	1889		0.672300	1
1	2	20	98.5	1970		1.105916	
2	3	20	77.5	1893	1637	1.553486	
3	2	20	60.1	1593		2.586749	
4	1	20	90.1			3.334295	
5	2	20	55.5	1321		4.215469	
6	1	20	96.2			5.085843	
7	1	20	95.8			5.705903	
8	1	20	78.1			6.053122	
9	3	20	70.1	1465	1645	7.100751	
10	2	20	70.6	1151		7.945612	
11	2	20	86.8	1698		8.727894	
12	2	20	59.5	1413		9.101586	
13	2	20	82.1	1117		10.370404	
14	3	20	60.8	1488	1548	11.149579	
15	2	20	51.2	1293		11.808509	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	65.5	1775	1845	0.486471	1
1	2	13	63.4	1143		1.003803	
2	2	13	70.0	1958		1.884728	
3	2	13	76.6	1150		2.689243	
4	3	13	73.4	1186	1749	3.227133	
5	1	13	82.1			4.055486	
6	2	13	55.9	1329		4.576022	
7	3	13	86.5	1599	1650	5.250641	
8	1	13	64.7			5.800126	
9	3	13	52.5	1885	1164	6.416496	
10	2	13	76.1	1076		7.713719	
11	3	13	53.1	1177	1137	8.424714	
12	2	13	96.9	1086		9.082556	
13	2	13	61.3	1030		9.506245	
14	2	13	99.1	1074		10.366258	
15	2	13	73.6	1684		11.196439	
16	2	13	81.2	1243		11.991260	

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	17	98.4	1064		0.080195	1
1	3	17	66.6	1626	1963	2.473247	
2	2	17	69.3	1445		3.424494	
3	1	17	60.8			4.595535	
4	2	17	78.2	1544		6.592442	
5	1	17	52.4			8.186721	
6	3	17	90.0	1675	1411	9.587748	
7	2	17	65.6	1077		10.952798	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	53.5	1838		0.000732	1
1	1	8	61.0			0.897420	
2	2	8	88.8	1369		1.810607	
3	2	8	91.6	1781		2.095538	
4	3	8	60.3	1804	1671	3.095723	
5	2	8	65.0	1035		3.607830	
6	1	8	57.6			4.655991	
7	3	8	55.0	1043	1430	5.302691	
8	3	8	91.8	1768	1604	5.557730	
9	2	8	52.1	1864		6.581142	
10	1	8	88.2			6.822695	
11	2	8	67.0	1713		7.602668	
12	3	8	70.2	1647	1342	8.018731	
13	3	8	86.6	1015	1882	8.806841	
14	1	8	96.6			9.645317	
15	3	8	54.8	1649	1569	10.200421	
16	3	8	59.3	1080	1429	10.680857	
17	2	8	50.4	1481		11.339333	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	77.3	1287	1942	0.580772	1
1	2	8	98.5	1602		1.708881	
2	3	8	81.6	1114	1161	2.606106	
3	3	8	51.6	1575	1484	3.253985	
4	1	8	92.3			3.911124	
5	1	8	72.9			4.627633	
6	2	8	74.1	1523		5.997693	
7	2	8	86.8	1119		6.790858	
8	2	8	50.0	1937		7.844263	
9	2	8	83.9	1179		9.077651	
10	3	8	69.2	1517	1440	9.353645	
11	3	8	96.1	1375	1238	10.162777	
12	1	8	94.1			11.216937	

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	18	99.2			0.576432	1
1	2	18	52.4	1970		2.085333	
2	3	18	76.8	1245	1833	2.676454	
3	2	18	96.5	1732		4.473007	
4	1	18	76.6			6.584383	
5	3	18	59.0	1275	1999	6.860606	
6	1	18	54.6			8.418270	
7	2	18	78.5	1692		10.252390	
8	2	18	96.3	1468		10.998596	

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	17	63.0	1008	1292	0.594187	1
1	3	17	72.1	1979	1178	0.718574	
2	3	17	67.5	1904	1145	1.323381	
3	2	17	80.5	1065		2.122853	
4	2	17	76.4	1642		2.934991	
5	3	17	77.6	1552	1354	3.563001	
6	2	17	86.3	1494		4.403864	
7	2	17	71.2	1832		5.012512	
8	3	17	97.3	1498	1740	5.145210	
9	2	17	61.5	1649		6.199747	
10	2	17	63.3	1729		6.531849	
11	2	17	100.0	1271		7.519157	
12	3	17	71.6	1669	1900	7.604474	
13	3	17	55.0	1145	1364	8.532629	
14	2	17	59.3	1515		9.451127	
15	1	17	52.4			9.839124	
16	3	17	89.9	1276	1012	10.217499	
17	3	17	83.8	1197	1968	11.015531	
18	2	17	55.4	1093		11.969039	

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	90.1	1885		0.137278	1
1	2	10	60.9	1531		0.793422	
2	2	10	51.5	1529		1.751099	
3	1	10	74.5			2.167668	
4	2	10	61.2	1987		2.914349	
5	2	10	93.1	1744		3.487737	
6	2	10	84.5	1994		4.219839	
7	1	10	74.8			4.441174	
8	2	10	69.0	1216		5.571808	
9	3	10	64.1	1514	1526	6.182663	
10	2	10	66.3	1674		6.683463	
11	3	10	96.5	1135	1167	7.449434	
12	3	10	81.1	1440	1213	8.110355	
13	3	10	74.8	1165	1336	8.790702	
14	1	10	88.7			8.868497	
15	2	10	78.2	1183		9.509592	
16	1	10	62.6			10.687662	
17	1	10	93.9			11.335331	
18	1	10	83.2			11.372936	

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	1	14	69.9			0.322225	1
1	3	14	98.5	1092	1313	2.230366	
2	2	14	99.8	1804		4.153722	
3	1	14	83.7			5.642020	
4	2	14	78.0	1779		7.214085	
5	3	14	68.1	1474	1095	8.855405	
6	2	14	87.5	1377		9.455694	
7	2	14	79.1	1131		11.319251	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	63.3	1658		0.770261	1
1	2	14	82.9	1955		1.464541	
2	2	14	98.7	1378		1.941372	
3	3	14	66.8	1114	1516	3.013987	
4	1	14	78.9			3.939691	
5	3	14	75.4	1300	1948	4.274576	
6	3	14	62.7	1040	1406	4.847043	
7	3	14	54.9	1719	1418	6.317241	
8	3	14	52.0	1102	1996	6.746503	
9	2	14	74.9	1850		7.356471	
10	1	14	52.5			8.081233	
11	2	14	92.0	1928		8.965068	
12	3	14	95.3	1151	1793	9.713808	
13	1	14	92.4			11.056429	
14	1	14	89.2			11.724310	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	72.6	1078	1695	0.412315	1
1	1	8	88.6			1.200163	
2	2	8	62.2	1383		1.593649	
3	1	8	55.9			2.260937	
4	3	8	69.2	1406	1045	3.128182	
5	2	8	62.8	1451		3.755728	
6	2	8	56.8	1938		4.158093	
7	3	8	56.9	1360	1109	5.271025	
8	2	8	65.1	1651		5.960359	
9	1	8	82.8			6.452432	
10	2	8	57.2	1593		6.945077	
11	1	8	68.4			7.589062	
12	2	8	63.8	1055		8.459492	
13	2	8	99.1	1269		9.204273	
14	2	8	98.5	1639		9.652338	
15	3	8	91.3	1345	1079	10.108371	
16	1	8	92.9			11.127034	
17	1	8	62.8			11.372358	

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	11	84.4	1339		0.255431	1
1	2	11	88.5	1636		1.817633	
2	1	11	99.8			2.345012	
3	3	11	50.5	1233	1747	3.925732	
4	3	11	92.6	1355	1480	4.570638	
5	1	11	52.2			5.814933	
6	2	11	60.1	1760		7.012324	
7	3	11	99.7	1723	1824	8.474212	
8	1	11	59.5			9.701196	
9	2	11	50.4	1275		9.859063	
10	1	11	50.6			10.934213	

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	9	52.0	1407		0.086870	1
1	2	9	62.6	1180		2.061750	
2	1	9	71.4			2.771220	
3	2	9	67.7	1198		3.870444	
4	1	9	88.1			4.627539	
5	3	9	98.6	1249	1338	5.736209	
6	3	9	75.6	1426	1089	6.852872	
7	2	9	83.5	1752		8.228499	
8	3	9	65.3	1698	1959	9.393743	
9	1	9	60.3			10.423912	
10	3	9	55.6	1891	1363	10.961493	

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	9	55.9			0.279532	1
1	2	9	97.8	1701		0.659342	
2	3	9	58.5	1310	1034	1.526913	
3	2	9	56.2	1038		2.149642	
4	2	9	82.1	1816		2.427775	
5	2	9	90.2	1759		3.377519	
6	3	9	57.9	1164	1163	3.691535	
7	2	9	73.6	1710		4.549365	
8	2	9	55.0	1269		5.049954	
9	3	9	73.2	1445	1257	5.431744	
10	1	9	50.0			6.350235	
11	3	9	55.0	1441	1352	6.893026	
12	2	9	97.8	1103		7.793949	
13	1	9	54.5			8.296769	
14	2	9	97.5	1222		8.912751	
15	1	9	83.9			9.166327	
16	2	9	85.3	1270		9.907742	
17	2	9	87.1	1849		10.568362	
18	1	9	77.5			11.359351	
19	2	9	99.9	1215		11.699485	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	58.2			0.181742	1
1	2	15	89.2	1665		1.097808	
2	1	15	58.7			1.520874	
3	2	15	90.2	1139		1.957418	
4	2	15	70.9	1139		2.561558	
5	2	15	63.1	1487		3.503493	
6	1	15	84.5			3.811195	
7	3	15	51.3	1071	1232	4.897010	
8	1	15	72.2			5.271634	
9	3	15	82.2	1958	1765	5.745808	
10	2	15	64.9	1694		6.548374	
11	3	15	73.1	1612	1362	7.426430	
12	3	15	64.7	1767	1175	7.765559	
13	2	15	92.8	1292		8.496293	
14	1	15	99.6			8.846458	
15	2	15	85.9	1857		9.647999	
16	1	15	97.9			10.130343	
17	2	15	53.8	1910		11.075054	
18	3	15	97.0	1263	1524	11.922199	

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	8	80.5			0.205205	1
1	2	8	58.5	1978		1.901141	
2	3	8	50.4	1923	1746	2.288097	
3	3	8	99.4	1380	1145	3.726455	
4	2	8	98.2	1157		4.876622	
5	1	8	68.0			5.457139	
6	2	8	63.3	1665		6.014834	
7	3	8	68.9	1325	1650	7.476185	
8	2	8	72.0	1381		8.681426	
9	1	8	56.8			9.286533	
10	2	8	63.9	1855		10.315985	
11	2	8	70.2	1062		11.414097	

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	11	67.8			0.756634	1
1	3	11	70.8	1858	1410	2.126575	
2	3	11	58.7	1599	1923	2.471938	
3	2	11	98.0	1961		4.298447	
4	2	11	72.9	1443		4.686550	
5	2	11	50.2	1951		6.402075	
6	3	11	73.7	1668	1270	6.720866	
7	1	11	50.5			8.354059	
8	2	11	77.0	1679		8.899423	
9	2	11	90.7	1025		10.504260	
10	1	11	60.0			11.873003	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	87.8	1312		0.135899	1
1	1	18	60.2			1.545557	
2	2	18	73.4	1219		2.105687	
3	2	18	98.9	1080		2.403633	
4	3	18	73.7	1750	1908	3.252825	
5	3	18	62.2	1022	1657	4.131742	
6	3	18	92.3	1186	1963	5.417149	
7	1	18	87.1			6.101491	
8	1	18	92.7			6.648944	
9	1	18	99.7			7.898556	
10	3	18	52.4	1506	1826	8.713814	
11	2	18	67.8	1429		9.044222	
12	2	18	87.3	1828		10.139218	
13	2	18	69.6	1553		10.954474	
14	2	18	95.6	1479		11.918718	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	98.6	1703		0.372547	1
1	1	11	92.9			0.720060	
2	2	11	67.5	1669		1.850662	
3	3	11	71.9	1724	1886	2.151073	
4	2	11	76.0	1711		2.666847	
5	3	11	89.4	1018	1473	3.568526	
6	3	11	84.9	1873	1091	4.296057	
7	2	11	95.6	1723		5.099254	
8	2	11	50.9	1375		5.527622	
9	2	11	57.2	1760		6.256584	
10	1	11	64.3			7.244408	
11	2	11	77.5	1814		7.549603	
12	3	11	86.2	1010	1876	8.595610	
13	2	11	60.6	1882		8.737170	
14	1	11	57.6			9.402587	
15	1	11	88.2			10.650566	
16	2	11	69.2	1327		10.982060	
17	1	11	93.5			11.569052	

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	5589.0, 5451.0, 5571.0, 5315.0, 5618.0, 5441.0, 5590.0, 5638.0, 5415.0, 5487.0, 5268.0, 5472.0, 5609.0, 5518.0, 5555.0, 5458.0, 5648.0, 5524.0, 5643.0, 5692.0, 5449.0, 5437.0, 5553.0, 5432.0, 5696.0, 5508.0, 5312.0, 5714.0, 5457.0, 5620.0, 5564.0, 5697.0, 5275.0, 5688.0, 5439.0, 5366.0, 5489.0, 5669.0, 5346.0, 5529.0, 5604.0, 5285.0, 5368.0, 5558.0, 5573.0, 5358.0, 5325.0, 5565.0, 5348.0, 5551.0, 5286.0, 5369.0, 5461.0, 5723.0, 5578.0, 5599.0, 5665.0, 5295.0, 5405.0, 5330.0, 5430.0, 5428.0, 5328.0, 5510.0, 5260.0, 5610.0, 5501.0, 5362.0, 5453.0, 5445.0, 5511.0, 5580.0, 5459.0, 5319.0, 5399.0, 5549.0, 5303.0, 5436.0, 5438.0, 5408.0, 5307.0, 5631.0, 5574.0, 5454.0, 5517.0, 5301.0, 5414.0, 5353.0, 5491.0, 5374.0, 5443.0, 5320.0, 5448.0, 5329.0, 5298.0, 5616.0, 5519.0, 5497.0, 5393.0, 5684.0 (number of hits: 17)
2	5530.0	9	1.0	333	1	5709.0, 5573.0, 5484.0, 5481.0, 5656.0, 5549.0, 5548.0, 5477.0, 5493.0, 5510.0, 5684.0, 5371.0, 5597.0, 5513.0, 5708.0, 5389.0, 5402.0, 5472.0, 5530.0, 5618.0, 5502.0, 5264.0, 5334.0, 5407.0, 5496.0, 5692.0, 5385.0, 5673.0, 5595.0, 5617.0, 5416.0, 5602.0, 5250.0, 5301.0, 5654.0, 5663.0, 5714.0, 5596.0, 5677.0, 5283.0, 5350.0, 5359.0, 5487.0, 5384.0, 5295.0, 5379.0, 5449.0, 5325.0, 5365.0, 5279.0, 5289.0, 5643.0, 5535.0, 5316.0, 5598.0, 5293.0, 5406.0, 5388.0, 5473.0, 5701.0, 5367.0, 5255.0, 5572.0, 5500.0, 5653.0, 5666.0, 5660.0, 5706.0, 5552.0, 5351.0, 5260.0, 5486.0, 5386.0, 5699.0, 5600.0, 5282.0, 5608.0, 5456.0, 5669.0, 5395.0, 5381.0, 5675.0, 5329.0, 5662.0, 5674.0, 5534.0, 5431.0, 5570.0, 5268.0, 5438.0, 5545.0, 5429.0, 5615.0, 5610.0, 5376.0, 5625.0, 5511.0, 5614.0, 5715.0, 5270.0 (number of hits: 14)
3	5530.0	9	1.0	333	1	5260.0, 5363.0, 5292.0, 5720.0, 5638.0, 5272.0, 5709.0, 5584.0, 5574.0, 5330.0, 5376.0, 5502.0, 5558.0, 5357.0, 5343.0, 5323.0, 5374.0, 5457.0, 5594.0, 5427.0, 5665.0, 5250.0, 5516.0, 5395.0, 5559.0, 5568.0, 5600.0, 5571.0, 5498.0, 5572.0, 5588.0, 5587.0, 5630.0, 5426.0, 5698.0, 5404.0, 5660.0, 5443.0, 5537.0, 5312.0, 5378.0, 5610.0, 5344.0, 5266.0, 5453.0, 5319.0, 5279.0, 5621.0, 5562.0, 5605.0, 5352.0, 5632.0, 5708.0, 5349.0, 5257.0, 5493.0, 5346.0, 5300.0, 5421.0, 5548.0, 5273.0, 5489.0, 5360.0, 5375.0, 5311.0, 5466.0, 5468.0, 5334.0, 5394.0, 5390.0, 5686.0, 5305.0, 5655.0, 5460.0, 5481.0, 5714.0, 5523.0, 5268.0, 5354.0, 5560.0, 5290.0, 5425.0, 5356.0, 5590.0, 5406.0, 5487.0, 5296.0, 5586.0, 5416.0, 5557.0, 5464.0, 5711.0, 5628.0, 5507.0, 5482.0, 5540.0, 5716.0, 5519.0, 5505.0, 5392.0 (number of hits: 16)
4	5530.0	9	1.0	333	1	5590.0, 5707.0, 5250.0, 5489.0, 5369.0, 5277.0, 5532.0, 5353.0, 5285.0, 5504.0, 5691.0, 5347.0, 5476.0, 5375.0, 5562.0, 5629.0, 5256.0, 5578.0, 5721.0, 5499.0, 5356.0, 5294.0, 5421.0, 5452.0, 5621.0, 5362.0, 5388.0, 5370.0, 5306.0, 5580.0, 5351.0, 5289.0, 5658.0, 5652.0, 5334.0, 5332.0, 5491.0, 5677.0, 5355.0, 5280.0, 5279.0, 5409.0, 5461.0, 5322.0, 5492.0, 5371.0, 5368.0, 5682.0, 5449.0, 5379.0, 5501.0, 5665.0, 5343.0, 5309.0, 5649.0, 5266.0, 5517.0, 5595.0, 5672.0, 5401.0, 5618.0, 5709.0, 5651.0, 5632.0, 5399.0, 5374.0, 5676.0, 5342.0, 5262.0, 5603.0,

						5639.0, 5276.0, 5271.0, 5365.0, 5321.0, 5614.0, 5301.0, 5573.0, 5503.0, 5320.0, 5630.0, 5516.0, 5295.0, 5646.0, 5689.0, 5305.0, 5307.0, 5692.0, 5296.0, 5641.0, 5382.0, 5254.0, 5644.0, 5274.0, 5297.0, 5671.0, 5697.0, 5685.0, 5360.0, 5464.0 (number of hits: 9)
5	5530.0	9	1.0	333	1	5623.0, 5322.0, 5379.0, 5697.0, 5510.0, 5496.0, 5622.0, 5490.0, 5357.0, 5690.0, 5516.0, 5530.0, 5259.0, 5702.0, 5720.0, 5617.0, 5292.0, 5712.0, 5327.0, 5395.0, 5633.0, 5664.0, 5714.0, 5667.0, 5598.0, 5378.0, 5274.0, 5718.0, 5473.0, 5410.0, 5329.0, 5660.0, 5270.0, 5471.0, 5255.0, 5334.0, 5670.0, 5656.0, 5418.0, 5328.0, 5345.0, 5689.0, 5458.0, 5681.0, 5676.0, 5639.0, 5679.0, 5585.0, 5536.0, 5533.0, 5412.0, 5548.0, 5547.0, 5380.0, 5487.0, 5287.0, 5693.0, 5632.0, 5519.0, 5685.0, 5333.0, 5396.0, 5710.0, 5262.0, 5647.0, 5569.0, 5373.0, 5355.0, 5573.0, 5534.0, 5576.0, 5568.0, 5703.0, 5641.0, 5258.0, 5393.0, 5277.0, 5406.0, 5310.0, 5672.0, 5578.0, 5691.0, 5539.0, 5431.0, 5349.0, 5450.0, 5625.0, 5673.0, 5643.0, 5261.0, 5521.0, 5591.0, 5659.0, 5566.0, 5511.0, 5627.0, 5268.0, 5382.0, 5717.0, 5595.0 (number of hits: 14)
6	5530.0	9	1.0	333	1	5496.0, 5311.0, 5274.0, 5706.0, 5650.0, 5289.0, 5278.0, 5524.0, 5719.0, 5355.0, 5649.0, 5640.0, 5272.0, 5624.0, 5318.0, 5510.0, 5427.0, 5371.0, 5290.0, 5628.0, 5252.0, 5256.0, 5642.0, 5324.0, 5588.0, 5511.0, 5658.0, 5367.0, 5463.0, 5477.0, 5354.0, 5338.0, 5522.0, 5560.0, 5424.0, 5376.0, 5516.0, 5487.0, 5446.0, 5646.0, 5441.0, 5520.0, 5679.0, 5484.0, 5634.0, 5626.0, 5467.0, 5693.0, 5698.0, 5387.0, 5529.0, 5475.0, 5429.0, 5422.0, 5709.0, 5582.0, 5418.0, 5576.0, 5458.0, 5664.0, 5343.0, 5534.0, 5276.0, 5671.0, 5584.0, 5435.0, 5721.0, 5261.0, 5456.0, 5353.0, 5591.0, 5407.0, 5321.0, 5330.0, 5722.0, 5359.0, 5568.0, 5270.0, 5461.0, 5684.0, 5557.0, 5260.0, 5452.0, 5358.0, 5544.0, 5375.0, 5440.0, 5263.0, 5661.0, 5483.0, 5494.0, 5383.0, 5629.0, 5391.0, 5302.0, 5312.0, 5251.0, 5434.0, 5600.0, 5451.0 (number of hits: 13)
7	5530.0	9	1.0	333	1	5310.0, 5381.0, 5668.0, 5599.0, 5560.0, 5346.0, 5680.0, 5283.0, 5382.0, 5380.0, 5295.0, 5447.0, 5622.0, 5585.0, 5603.0, 5302.0, 5462.0, 5576.0, 5372.0, 5627.0, 5480.0, 5379.0, 5395.0, 5369.0, 5573.0, 5260.0, 5459.0, 5575.0, 5554.0, 5317.0, 5581.0, 5328.0, 5262.0, 5472.0, 5342.0, 5612.0, 5253.0, 5508.0, 5628.0, 5623.0, 5452.0, 5274.0, 5407.0, 5665.0, 5611.0, 5721.0, 5264.0, 5550.0, 5417.0, 5444.0, 5435.0, 5488.0, 5514.0, 5724.0, 5383.0, 5695.0, 5605.0, 5392.0, 5390.0, 5388.0, 5671.0, 5644.0, 5705.0, 5717.0, 5475.0, 5373.0, 5479.0, 5349.0, 5492.0, 5386.0, 5510.0, 5597.0, 5564.0, 5468.0, 5319.0, 5519.0, 5649.0, 5525.0, 5682.0, 5312.0, 5321.0, 5710.0, 5311.0, 5470.0, 5570.0, 5662.0, 5526.0, 5437.0, 5613.0, 5701.0, 5280.0, 5365.0, 5411.0, 5263.0, 5608.0, 5683.0, 5357.0, 5499.0, 5301.0, 5338.0 (number of hits: 12)
8	5530.0	9	1.0	333	1	5712.0, 5486.0, 5592.0, 5720.0, 5308.0, 5491.0, 5336.0, 5656.0, 5260.0, 5649.0, 5439.0, 5598.0, 5349.0, 5405.0, 5421.0, 5596.0, 5412.0, 5419.0, 5299.0, 5403.0, 5533.0, 5515.0, 5270.0, 5268.0, 5386.0, 5500.0, 5706.0, 5630.0, 5653.0, 5319.0, 5379.0, 5719.0, 5708.0, 5360.0, 5409.0, 5464.0, 5449.0, 5523.0, 5614.0, 5620.0, 5274.0, 5559.0, 5498.0, 5660.0, 5385.0, 5365.0, 5644.0, 5282.0, 5416.0, 5469.0, 5317.0, 5410.0, 5617.0, 5454.0, 5568.0, 5661.0, 5256.0, 5606.0, 5646.0, 5311.0, 5513.0, 5423.0, 5499.0, 5259.0, 5493.0, 5704.0, 5286.0, 5657.0, 5638.0, 5698.0, 5654.0, 5364.0, 5616.0, 5366.0, 5353.0, 5333.0, 5339.0,

						5582.0, 5284.0, 5537.0, 5612.0, 5472.0, 5584.0, 5651.0, 5677.0, 5348.0, 5342.0, 5541.0, 5600.0, 5397.0, 5633.0, 5489.0, 5298.0, 5332.0, 5324.0, 5632.0, 5470.0, 5576.0, 5428.0, 5356.0 (number of hits: 11)
9	5530.0	9	1.0	333	1	5353.0, 5474.0, 5265.0, 5285.0, 5282.0, 5456.0, 5678.0, 5689.0, 5699.0, 5589.0, 5328.0, 5618.0, 5496.0, 5419.0, 5631.0, 5621.0, 5684.0, 5356.0, 5512.0, 5253.0, 5344.0, 5372.0, 5404.0, 5323.0, 5686.0, 5366.0, 5405.0, 5648.0, 5458.0, 5501.0, 5498.0, 5538.0, 5477.0, 5324.0, 5479.0, 5437.0, 5291.0, 5584.0, 5572.0, 5326.0, 5464.0, 5363.0, 5393.0, 5676.0, 5262.0, 5385.0, 5482.0, 5270.0, 5673.0, 5639.0, 5438.0, 5672.0, 5338.0, 5257.0, 5706.0, 5271.0, 5460.0, 5347.0, 5581.0, 5354.0, 5688.0, 5557.0, 5666.0, 5468.0, 5341.0, 5696.0, 5439.0, 5454.0, 5349.0, 5636.0, 5605.0, 5306.0, 5638.0, 5500.0, 5369.0, 5260.0, 5481.0, 5642.0, 5254.0, 5658.0, 5251.0, 5539.0, 5305.0, 5297.0, 5380.0, 5574.0, 5685.0, 5414.0, 5712.0, 5561.0, 5550.0, 5528.0, 5663.0, 5296.0, 5651.0, 5258.0, 5690.0, 5434.0, 5551.0, 5598.0 (number of hits: 12)
10	5530.0	9	1.0	333	1	5537.0, 5473.0, 5655.0, 5647.0, 5545.0, 5492.0, 5651.0, 5365.0, 5623.0, 5526.0, 5385.0, 5262.0, 5660.0, 5712.0, 5482.0, 5448.0, 5306.0, 5625.0, 5645.0, 5690.0, 5577.0, 5668.0, 5404.0, 5520.0, 5707.0, 5611.0, 5341.0, 5640.0, 5454.0, 5703.0, 5258.0, 5715.0, 5293.0, 5503.0, 5552.0, 5495.0, 5358.0, 5447.0, 5359.0, 5522.0, 5484.0, 5531.0, 5326.0, 5500.0, 5304.0, 5600.0, 5392.0, 5636.0, 5268.0, 5487.0, 5505.0, 5517.0, 5270.0, 5692.0, 5432.0, 5572.0, 5418.0, 5478.0, 5364.0, 5253.0, 5320.0, 5523.0, 5389.0, 5387.0, 5396.0, 5348.0, 5353.0, 5349.0, 5344.0, 5444.0, 5486.0, 5576.0, 5446.0, 5588.0, 5579.0, 5485.0, 5559.0, 5398.0, 5621.0, 5464.0, 5366.0, 5274.0, 5535.0, 5575.0, 5549.0, 5669.0, 5603.0, 5529.0, 5670.0, 5305.0, 5312.0, 5504.0, 5564.0, 5502.0, 5511.0, 5395.0, 5421.0, 5393.0, 5558.0, 5401.0 (number of hits: 23)
11	5530.0	9	1.0	333	1	5344.0, 5348.0, 5686.0, 5333.0, 5318.0, 5671.0, 5307.0, 5554.0, 5319.0, 5323.0, 5543.0, 5687.0, 5354.0, 5477.0, 5514.0, 5353.0, 5398.0, 5465.0, 5262.0, 5645.0, 5360.0, 5526.0, 5251.0, 5508.0, 5692.0, 5528.0, 5611.0, 5470.0, 5266.0, 5320.0, 5626.0, 5517.0, 5265.0, 5572.0, 5561.0, 5534.0, 5449.0, 5272.0, 5444.0, 5329.0, 5281.0, 5378.0, 5662.0, 5582.0, 5720.0, 5414.0, 5330.0, 5497.0, 5453.0, 5260.0, 5450.0, 5546.0, 5368.0, 5476.0, 5607.0, 5338.0, 5609.0, 5363.0, 5479.0, 5658.0, 5304.0, 5631.0, 5678.0, 5580.0, 5252.0, 5544.0, 5301.0, 5458.0, 5492.0, 5321.0, 5509.0, 5327.0, 5431.0, 5605.0, 5468.0, 5314.0, 5350.0, 5331.0, 5342.0, 5570.0, 5622.0, 5600.0, 5455.0, 5616.0, 5510.0, 5629.0, 5721.0, 5432.0, 5614.0, 5358.0, 5413.0, 5568.0, 5309.0, 5628.0, 5373.0, 5581.0, 5412.0, 5589.0, 5630.0, 5701.0 (number of hits: 15)
12	5530.0	9	1.0	333	1	5723.0, 5346.0, 5287.0, 5573.0, 5560.0, 5267.0, 5552.0, 5335.0, 5268.0, 5433.0, 5301.0, 5549.0, 5257.0, 5655.0, 5398.0, 5439.0, 5402.0, 5347.0, 5634.0, 5429.0, 5277.0, 5337.0, 5403.0, 5298.0, 5613.0, 5712.0, 5302.0, 5700.0, 5621.0, 5492.0, 5682.0, 5262.0, 5408.0, 5516.0, 5370.0, 5496.0, 5252.0, 5718.0, 5459.0, 5518.0, 5393.0, 5527.0, 5321.0, 5675.0, 5575.0, 5290.0, 5420.0, 5400.0, 5455.0, 5555.0, 5274.0, 5431.0, 5483.0, 5722.0, 5602.0, 5418.0, 5444.0, 5371.0, 5385.0, 5343.0, 5463.0, 5597.0, 5482.0, 5404.0, 5339.0, 5603.0, 5460.0, 5306.0, 5569.0, 5368.0, 5714.0, 5553.0, 5280.0, 5415.0, 5686.0, 5384.0, 5589.0, 5586.0, 5529.0, 5275.0, 5378.0, 5626.0, 5528.0, 5478.0,

						5294.0, 5270.0, 5305.0, 5386.0, 5285.0, 5397.0, 5288.0, 5399.0, 5450.0, 5410.0, 5265.0, 5477.0, 5473.0, 5668.0, 5494.0, 5695.0 (number of hits: 13)
13	5530.0	9	1.0	333	1	5600.0, 5644.0, 5701.0, 5637.0, 5518.0, 5636.0, 5384.0, 5499.0, 5374.0, 5401.0, 5635.0, 5405.0, 5458.0, 5719.0, 5671.0, 5316.0, 5484.0, 5287.0, 5621.0, 5382.0, 5418.0, 5525.0, 5675.0, 5645.0, 5618.0, 5393.0, 5678.0, 5708.0, 5574.0, 5424.0, 5630.0, 5414.0, 5288.0, 5255.0, 5508.0, 5421.0, 5513.0, 5409.0, 5353.0, 5463.0, 5670.0, 5639.0, 5254.0, 5535.0, 5403.0, 5561.0, 5577.0, 5673.0, 5665.0, 5559.0, 5717.0, 5697.0, 5706.0, 5340.0, 5285.0, 5485.0, 5586.0, 5557.0, 5282.0, 5371.0, 5260.0, 5279.0, 5317.0, 5379.0, 5361.0, 5558.0, 5273.0, 5509.0, 5290.0, 5469.0, 5430.0, 5292.0, 5567.0, 5464.0, 5257.0, 5446.0, 5479.0, 5585.0, 5359.0, 5428.0, 5383.0, 5711.0, 5408.0, 5376.0, 5397.0, 5521.0, 5402.0, 5565.0, 5272.0, 5674.0, 5662.0, 5721.0, 5539.0, 5452.0, 5519.0, 5613.0, 5724.0, 5460.0, 5390.0, 5566.0 (number of hits: 17)
14	5530.0	9	1.0	333	1	5598.0, 5516.0, 5399.0, 5421.0, 5477.0, 5599.0, 5682.0, 5374.0, 5548.0, 5559.0, 5398.0, 5395.0, 5543.0, 5526.0, 5280.0, 5630.0, 5688.0, 5583.0, 5584.0, 5445.0, 5652.0, 5651.0, 5485.0, 5341.0, 5645.0, 5440.0, 5585.0, 5709.0, 5643.0, 5550.0, 5263.0, 5590.0, 5253.0, 5420.0, 5507.0, 5346.0, 5500.0, 5703.0, 5719.0, 5639.0, 5307.0, 5417.0, 5290.0, 5716.0, 5539.0, 5710.0, 5342.0, 5456.0, 5372.0, 5387.0, 5461.0, 5333.0, 5619.0, 5597.0, 5662.0, 5470.0, 5578.0, 5669.0, 5308.0, 5540.0, 5293.0, 5611.0, 5490.0, 5354.0, 5329.0, 5547.0, 5581.0, 5464.0, 5447.0, 5508.0, 5388.0, 5298.0, 5359.0, 5654.0, 5475.0, 5687.0, 5588.0, 5349.0, 5700.0, 5271.0, 5355.0, 5525.0, 5577.0, 5302.0, 5692.0, 5680.0, 5514.0, 5563.0, 5535.0, 5425.0, 5435.0, 5570.0, 5634.0, 5723.0, 5656.0, 5469.0, 5476.0, 5492.0, 5657.0, 5696.0 (number of hits: 17)
15	5530.0	9	1.0	333	1	5383.0, 5282.0, 5318.0, 5487.0, 5482.0, 5478.0, 5426.0, 5669.0, 5670.0, 5686.0, 5431.0, 5467.0, 5699.0, 5522.0, 5291.0, 5659.0, 5324.0, 5443.0, 5496.0, 5414.0, 5631.0, 5495.0, 5485.0, 5611.0, 5322.0, 5649.0, 5308.0, 5562.0, 5453.0, 5312.0, 5357.0, 5581.0, 5628.0, 5626.0, 5601.0, 5480.0, 5623.0, 5528.0, 5616.0, 5439.0, 5304.0, 5519.0, 5484.0, 5271.0, 5418.0, 5259.0, 5392.0, 5706.0, 5434.0, 5675.0, 5333.0, 5700.0, 5363.0, 5340.0, 5388.0, 5273.0, 5510.0, 5607.0, 5651.0, 5612.0, 5327.0, 5518.0, 5690.0, 5697.0, 5397.0, 5600.0, 5721.0, 5643.0, 5620.0, 5715.0, 5503.0, 5559.0, 5696.0, 5365.0, 5430.0, 5627.0, 5683.0, 5648.0, 5694.0, 5605.0, 5575.0, 5709.0, 5645.0, 5313.0, 5695.0, 5610.0, 5422.0, 5386.0, 5677.0, 5410.0, 5521.0, 5713.0, 5547.0, 5588.0, 5272.0, 5462.0, 5613.0, 5606.0, 5267.0, 5527.0 (number of hits: 13)
16	5530.0	9	1.0	333	1	5327.0, 5694.0, 5386.0, 5478.0, 5320.0, 5636.0, 5370.0, 5274.0, 5442.0, 5435.0, 5465.0, 5329.0, 5459.0, 5389.0, 5306.0, 5553.0, 5455.0, 5720.0, 5355.0, 5365.0, 5315.0, 5394.0, 5285.0, 5268.0, 5485.0, 5398.0, 5670.0, 5461.0, 5265.0, 5305.0, 5424.0, 5422.0, 5477.0, 5492.0, 5471.0, 5573.0, 5376.0, 5343.0, 5390.0, 5666.0, 5299.0, 5716.0, 5715.0, 5622.0, 5699.0, 5366.0, 5317.0, 5593.0, 5400.0, 5722.0, 5645.0, 5331.0, 5310.0, 5425.0, 5259.0, 5637.0, 5316.0, 5252.0, 5620.0, 5719.0, 5352.0, 5528.0, 5296.0, 5409.0, 5367.0, 5569.0, 5615.0, 5384.0, 5552.0, 5348.0, 5369.0, 5661.0, 5481.0, 5603.0, 5302.0, 5692.0, 5293.0, 5583.0, 5505.0, 5503.0, 5654.0, 5571.0, 5665.0, 5351.0, 5610.0, 5579.0, 5262.0, 5546.0, 5541.0, 5255.0, 5663.0,

						5516.0, 5616.0, 5399.0, 5710.0, 5438.0, 5437.0, 5454.0, 5685.0, 5339.0 (number of hits: 9)
17	5530.0	9	1.0	333	1	5335.0, 5332.0, 5398.0, 5542.0, 5390.0, 5652.0, 5675.0, 5467.0, 5473.0, 5253.0, 5546.0, 5528.0, 5296.0, 5694.0, 5460.0, 5512.0, 5345.0, 5318.0, 5582.0, 5677.0, 5710.0, 5703.0, 5651.0, 5337.0, 5572.0, 5664.0, 5366.0, 5717.0, 5349.0, 5583.0, 5288.0, 5606.0, 5272.0, 5287.0, 5558.0, 5293.0, 5404.0, 5474.0, 5268.0, 5622.0, 5666.0, 5550.0, 5354.0, 5613.0, 5290.0, 5639.0, 5442.0, 5591.0, 5448.0, 5438.0, 5524.0, 5507.0, 5482.0, 5641.0, 5628.0, 5592.0, 5399.0, 5432.0, 5586.0, 5338.0, 5667.0, 5252.0, 5457.0, 5308.0, 5700.0, 5595.0, 5427.0, 5265.0, 5629.0, 5619.0, 5310.0, 5669.0, 5464.0, 5714.0, 5264.0, 5300.0, 5523.0, 5644.0, 5645.0, 5455.0, 5708.0, 5707.0, 5633.0, 5621.0, 5483.0, 5346.0, 5712.0, 5388.0, 5408.0, 5305.0, 5484.0, 5397.0, 5285.0, 5277.0, 5392.0, 5605.0, 5307.0, 5612.0, 5624.0, 5481.0 (number of hits: 9)
18	5530.0	9	1.0	333	1	5702.0, 5474.0, 5540.0, 5441.0, 5638.0, 5630.0, 5264.0, 5519.0, 5611.0, 5435.0, 5534.0, 5269.0, 5310.0, 5366.0, 5319.0, 5621.0, 5717.0, 5516.0, 5533.0, 5376.0, 5671.0, 5698.0, 5477.0, 5568.0, 5412.0, 5528.0, 5352.0, 5561.0, 5693.0, 5669.0, 5665.0, 5344.0, 5276.0, 5626.0, 5252.0, 5389.0, 5284.0, 5570.0, 5386.0, 5286.0, 5682.0, 5414.0, 5381.0, 5341.0, 5478.0, 5694.0, 5306.0, 5260.0, 5334.0, 5654.0, 5556.0, 5436.0, 5311.0, 5664.0, 5591.0, 5640.0, 5498.0, 5468.0, 5656.0, 5537.0, 5515.0, 5675.0, 5720.0, 5614.0, 5724.0, 5365.0, 5288.0, 5610.0, 5576.0, 5504.0, 5483.0, 5445.0, 5686.0, 5379.0, 5481.0, 5407.0, 5670.0, 5427.0, 5494.0, 5484.0, 5397.0, 5602.0, 5452.0, 5448.0, 5695.0, 5454.0, 5290.0, 5359.0, 5557.0, 5598.0, 5701.0, 5513.0, 5639.0, 5270.0, 5281.0, 5408.0, 5699.0, 5392.0, 5705.0, 5328.0 (number of hits: 15)
19	5530.0	9	1.0	333	1	5507.0, 5703.0, 5709.0, 5628.0, 5299.0, 5516.0, 5501.0, 5648.0, 5608.0, 5366.0, 5586.0, 5515.0, 5588.0, 5281.0, 5500.0, 5590.0, 5347.0, 5337.0, 5294.0, 5421.0, 5659.0, 5610.0, 5714.0, 5385.0, 5419.0, 5496.0, 5530.0, 5619.0, 5308.0, 5396.0, 5352.0, 5498.0, 5287.0, 5292.0, 5638.0, 5266.0, 5663.0, 5543.0, 5477.0, 5393.0, 5493.0, 5362.0, 5708.0, 5676.0, 5626.0, 5344.0, 5429.0, 5607.0, 5280.0, 5413.0, 5625.0, 5510.0, 5326.0, 5685.0, 5495.0, 5394.0, 5288.0, 5512.0, 5310.0, 5506.0, 5298.0, 5279.0, 5681.0, 5411.0, 5571.0, 5667.0, 5390.0, 5404.0, 5368.0, 5669.0, 5583.0, 5697.0, 5417.0, 5639.0, 5647.0, 5602.0, 5467.0, 5624.0, 5523.0, 5370.0, 5271.0, 5290.0, 5432.0, 5505.0, 5698.0, 5373.0, 5502.0, 5360.0, 5674.0, 5358.0, 5613.0, 5380.0, 5489.0, 5312.0, 5631.0, 5618.0, 5706.0, 5604.0, 5529.0, 5700.0 (number of hits: 18)
20	5530.0	9	1.0	333	1	5516.0, 5391.0, 5684.0, 5480.0, 5415.0, 5449.0, 5602.0, 5458.0, 5596.0, 5268.0, 5724.0, 5538.0, 5446.0, 5328.0, 5301.0, 5526.0, 5519.0, 5406.0, 5455.0, 5428.0, 5694.0, 5543.0, 5522.0, 5270.0, 5661.0, 5645.0, 5311.0, 5496.0, 5462.0, 5565.0, 5493.0, 5407.0, 5713.0, 5536.0, 5322.0, 5569.0, 5481.0, 5674.0, 5687.0, 5336.0, 5352.0, 5525.0, 5692.0, 5546.0, 5494.0, 5486.0, 5580.0, 5273.0, 5385.0, 5468.0, 5660.0, 5550.0, 5264.0, 5321.0, 5668.0, 5620.0, 5266.0, 5541.0, 5432.0, 5402.0, 5691.0, 5388.0, 5704.0, 5528.0, 5594.0, 5628.0, 5476.0, 5332.0, 5404.0, 5621.0, 5331.0, 5607.0, 5648.0, 5394.0, 5686.0, 5703.0, 5424.0, 5466.0, 5277.0, 5412.0, 5280.0, 5382.0, 5529.0, 5576.0, 5514.0, 5427.0, 5338.0, 5400.0, 5588.0, 5368.0, 5508.0, 5457.0, 5477.0, 5454.0, 5333.0, 5392.0, 5664.0, 5445.0,

						5367.0, 5561.0 (number of hits: 20)
21	5530.0	9	1.0	333	1	5378.0, 5353.0, 5498.0, 5574.0, 5494.0, 5546.0, 5440.0, 5638.0, 5714.0, 5274.0, 5476.0, 5361.0, 5644.0, 5518.0, 5343.0, 5484.0, 5461.0, 5508.0, 5388.0, 5614.0, 5272.0, 5587.0, 5530.0, 5413.0, 5590.0, 5341.0, 5345.0, 5665.0, 5468.0, 5342.0, 5473.0, 5254.0, 5429.0, 5260.0, 5493.0, 5711.0, 5708.0, 5648.0, 5692.0, 5291.0, 5663.0, 5382.0, 5516.0, 5639.0, 5526.0, 5698.0, 5542.0, 5524.0, 5267.0, 5724.0, 5399.0, 5675.0, 5439.0, 5599.0, 5591.0, 5453.0, 5536.0, 5609.0, 5689.0, 5471.0, 5338.0, 5356.0, 5268.0, 5287.0, 5579.0, 5253.0, 5311.0, 5676.0, 5279.0, 5562.0, 5420.0, 5294.0, 5362.0, 5348.0, 5482.0, 5392.0, 5594.0, 5534.0, 5602.0, 5374.0, 5699.0, 5258.0, 5501.0, 5527.0, 5623.0, 5666.0, 5421.0, 5592.0, 5667.0, 5704.0, 5626.0, 5401.0, 5425.0, 5404.0, 5659.0, 5299.0, 5705.0, 5529.0, 5280.0, 5575.0 (number of hits: 17)
22	5530.0	9	1.0	333	1	5345.0, 5441.0, 5517.0, 5649.0, 5637.0, 5448.0, 5456.0, 5402.0, 5429.0, 5625.0, 5432.0, 5473.0, 5395.0, 5552.0, 5550.0, 5520.0, 5635.0, 5279.0, 5667.0, 5644.0, 5475.0, 5638.0, 5652.0, 5465.0, 5398.0, 5329.0, 5310.0, 5669.0, 5536.0, 5260.0, 5651.0, 5413.0, 5683.0, 5540.0, 5722.0, 5717.0, 5425.0, 5588.0, 5642.0, 5654.0, 5444.0, 5584.0, 5469.0, 5264.0, 5634.0, 5362.0, 5439.0, 5713.0, 5351.0, 5658.0, 5555.0, 5453.0, 5542.0, 5404.0, 5650.0, 5315.0, 5418.0, 5460.0, 5549.0, 5348.0, 5326.0, 5410.0, 5543.0, 5435.0, 5325.0, 5529.0, 5544.0, 5327.0, 5319.0, 5572.0, 5489.0, 5537.0, 5447.0, 5568.0, 5283.0, 5679.0, 5321.0, 5324.0, 5350.0, 5592.0, 5492.0, 5391.0, 5400.0, 5434.0, 5515.0, 5639.0, 5307.0, 5545.0, 5505.0, 5715.0, 5436.0, 5612.0, 5590.0, 5562.0, 5407.0, 5539.0, 5702.0, 5574.0, 5607.0, 5636.0 (number of hits: 19)
23	5530.0	9	1.0	333	1	5720.0, 5281.0, 5707.0, 5601.0, 5533.0, 5632.0, 5660.0, 5607.0, 5253.0, 5613.0, 5534.0, 5298.0, 5443.0, 5642.0, 5379.0, 5417.0, 5516.0, 5254.0, 5592.0, 5453.0, 5691.0, 5625.0, 5310.0, 5421.0, 5557.0, 5698.0, 5412.0, 5629.0, 5599.0, 5272.0, 5354.0, 5509.0, 5320.0, 5530.0, 5709.0, 5555.0, 5545.0, 5536.0, 5586.0, 5624.0, 5503.0, 5526.0, 5470.0, 5571.0, 5593.0, 5382.0, 5574.0, 5340.0, 5401.0, 5508.0, 5404.0, 5338.0, 5554.0, 5491.0, 5362.0, 5273.0, 5561.0, 5381.0, 5357.0, 5658.0, 5522.0, 5326.0, 5318.0, 5465.0, 5502.0, 5641.0, 5440.0, 5390.0, 5485.0, 5681.0, 5450.0, 5513.0, 5542.0, 5481.0, 5567.0, 5288.0, 5703.0, 5573.0, 5315.0, 5358.0, 5395.0, 5409.0, 5538.0, 5378.0, 5286.0, 5559.0, 5595.0, 5349.0, 5597.0, 5493.0, 5365.0, 5451.0, 5444.0, 5462.0, 5576.0, 5615.0, 5648.0, 5547.0, 5706.0, 5309.0 (number of hits: 23)
24	5530.0	9	1.0	333	1	5275.0, 5324.0, 5505.0, 5545.0, 5364.0, 5680.0, 5256.0, 5282.0, 5719.0, 5686.0, 5594.0, 5523.0, 5490.0, 5636.0, 5345.0, 5684.0, 5299.0, 5721.0, 5470.0, 5597.0, 5672.0, 5702.0, 5489.0, 5411.0, 5329.0, 5707.0, 5553.0, 5486.0, 5662.0, 5495.0, 5669.0, 5592.0, 5572.0, 5340.0, 5262.0, 5535.0, 5656.0, 5517.0, 5366.0, 5258.0, 5422.0, 5689.0, 5313.0, 5423.0, 5496.0, 5512.0, 5382.0, 5385.0, 5330.0, 5472.0, 5541.0, 5531.0, 5298.0, 5297.0, 5388.0, 5603.0, 5420.0, 5723.0, 5720.0, 5583.0, 5342.0, 5391.0, 5407.0, 5438.0, 5322.0, 5412.0, 5715.0, 5283.0, 5462.0, 5617.0, 5287.0, 5687.0, 5476.0, 5639.0, 5464.0, 5657.0, 5465.0, 5449.0, 5398.0, 5427.0, 5492.0, 5525.0, 5358.0, 5286.0, 5485.0, 5277.0, 5357.0, 5310.0, 5444.0, 5666.0, 5312.0, 5380.0, 5493.0, 5280.0, 5278.0, 5484.0, 5409.0, 5408.0, 5524.0, 5548.0 (number of hits: 16)

25	5530.0	9	1.0	333	1	5402.0, 5651.0, 5399.0, 5638.0, 5416.0, 5263.0, 5278.0, 5674.0, 5594.0, 5660.0, 5656.0, 5481.0, 5605.0, 5371.0, 5507.0, 5587.0, 5534.0, 5675.0, 5515.0, 5712.0, 5718.0, 5479.0, 5607.0, 5649.0, 5360.0, 5285.0, 5276.0, 5664.0, 5647.0, 5535.0, 5310.0, 5618.0, 5335.0, 5260.0, 5708.0, 5415.0, 5565.0, 5559.0, 5707.0, 5413.0, 5465.0, 5521.0, 5536.0, 5337.0, 5658.0, 5689.0, 5683.0, 5501.0, 5629.0, 5305.0, 5412.0, 5665.0, 5364.0, 5566.0, 5543.0, 5444.0, 5419.0, 5613.0, 5615.0, 5277.0, 5567.0, 5630.0, 5600.0, 5723.0, 5313.0, 5704.0, 5564.0, 5622.0, 5459.0, 5569.0, 5493.0, 5552.0, 5466.0, 5659.0, 5667.0, 5620.0, 5457.0, 5261.0, 5388.0, 5347.0, 5455.0, 5258.0, 5304.0, 5528.0, 5513.0, 5677.0, 5585.0, 5318.0, 5440.0, 5631.0, 5254.0, 5713.0, 5451.0, 5417.0, 5645.0, 5550.0, 5322.0, 5338.0, 5377.0, 5330.0 (number of hits: 18)
26	5530.0	9	1.0	333	1	5445.0, 5350.0, 5388.0, 5703.0, 5514.0, 5345.0, 5573.0, 5312.0, 5259.0, 5251.0, 5582.0, 5336.0, 5680.0, 5415.0, 5512.0, 5480.0, 5476.0, 5552.0, 5274.0, 5503.0, 5690.0, 5461.0, 5255.0, 5643.0, 5564.0, 5446.0, 5615.0, 5505.0, 5429.0, 5634.0, 5544.0, 5694.0, 5385.0, 5489.0, 5329.0, 5640.0, 5266.0, 5650.0, 5417.0, 5381.0, 5467.0, 5554.0, 5397.0, 5625.0, 5478.0, 5701.0, 5614.0, 5656.0, 5501.0, 5716.0, 5717.0, 5254.0, 5607.0, 5315.0, 5546.0, 5600.0, 5384.0, 5305.0, 5395.0, 5260.0, 5271.0, 5449.0, 5575.0, 5608.0, 5405.0, 5280.0, 5681.0, 5627.0, 5560.0, 5362.0, 5617.0, 5301.0, 5523.0, 5433.0, 5307.0, 5696.0, 5707.0, 5368.0, 5565.0, 5502.0, 5313.0, 5450.0, 5356.0, 5550.0, 5349.0, 5261.0, 5555.0, 5663.0, 5447.0, 5630.0, 5697.0, 5413.0, 5282.0, 5320.0, 5423.0, 5671.0, 5348.0, 5367.0, 5543.0, 5509.0 (number of hits: 18)
27	5530.0	9	1.0	333	1	5373.0, 5301.0, 5416.0, 5724.0, 5304.0, 5473.0, 5277.0, 5583.0, 5604.0, 5597.0, 5618.0, 5440.0, 5456.0, 5341.0, 5572.0, 5307.0, 5470.0, 5622.0, 5682.0, 5371.0, 5658.0, 5265.0, 5389.0, 5579.0, 5548.0, 5491.0, 5539.0, 5721.0, 5398.0, 5497.0, 5451.0, 5544.0, 5351.0, 5689.0, 5445.0, 5386.0, 5711.0, 5276.0, 5508.0, 5587.0, 5459.0, 5295.0, 5592.0, 5551.0, 5322.0, 5589.0, 5600.0, 5441.0, 5546.0, 5563.0, 5719.0, 5522.0, 5347.0, 5494.0, 5378.0, 5418.0, 5438.0, 5291.0, 5382.0, 5634.0, 5272.0, 5642.0, 5582.0, 5532.0, 5288.0, 5510.0, 5294.0, 5271.0, 5257.0, 5388.0, 5461.0, 5657.0, 5284.0, 5424.0, 5252.0, 5490.0, 5420.0, 5513.0, 5694.0, 5460.0, 5311.0, 5528.0, 5251.0, 5707.0, 5662.0, 5269.0, 5471.0, 5414.0, 5531.0, 5558.0, 5330.0, 5379.0, 5655.0, 5712.0, 5542.0, 5297.0, 5449.0, 5552.0, 5639.0, 5663.0 (number of hits: 18)
28	5530.0	9	1.0	333	1	5578.0, 5258.0, 5477.0, 5410.0, 5369.0, 5396.0, 5330.0, 5581.0, 5455.0, 5672.0, 5626.0, 5579.0, 5576.0, 5342.0, 5695.0, 5399.0, 5446.0, 5680.0, 5355.0, 5437.0, 5519.0, 5479.0, 5345.0, 5356.0, 5605.0, 5392.0, 5512.0, 5381.0, 5310.0, 5675.0, 5270.0, 5503.0, 5262.0, 5549.0, 5371.0, 5499.0, 5533.0, 5336.0, 5545.0, 5285.0, 5671.0, 5697.0, 5573.0, 5317.0, 5568.0, 5313.0, 5428.0, 5473.0, 5506.0, 5331.0, 5492.0, 5539.0, 5320.0, 5260.0, 5411.0, 5389.0, 5309.0, 5610.0, 5650.0, 5354.0, 5363.0, 5522.0, 5366.0, 5352.0, 5325.0, 5470.0, 5628.0, 5574.0, 5409.0, 5422.0, 5584.0, 5517.0, 5472.0, 5348.0, 5604.0, 5598.0, 5438.0, 5408.0, 5612.0, 5599.0, 5299.0, 5631.0, 5547.0, 5450.0, 5430.0, 5646.0, 5290.0, 5328.0, 5394.0, 5645.0, 5655.0, 5315.0, 5476.0, 5461.0, 5441.0, 5374.0, 5307.0, 5254.0, 5524.0, 5481.0 (number of hits: 14)
29	5530.0	9	1.0	333	1	5577.0, 5578.0, 5591.0, 5567.0, 5315.0, 5467.0, 5327.0,

						5582.0, 5557.0, 5596.0, 5375.0, 5277.0, 5252.0, 5517.0, 5309.0, 5629.0, 5698.0, 5437.0, 5606.0, 5380.0, 5386.0, 5382.0, 5348.0, 5378.0, 5486.0, 5605.0, 5694.0, 5523.0, 5460.0, 5489.0, 5462.0, 5447.0, 5317.0, 5690.0, 5590.0, 5667.0, 5653.0, 5650.0, 5445.0, 5314.0, 5527.0, 5685.0, 5554.0, 5268.0, 5626.0, 5335.0, 5389.0, 5338.0, 5426.0, 5534.0, 5680.0, 5701.0, 5510.0, 5363.0, 5574.0, 5607.0, 5288.0, 5621.0, 5376.0, 5592.0, 5470.0, 5675.0, 5263.0, 5464.0, 5706.0, 5370.0, 5550.0, 5493.0, 5457.0, 5494.0, 5336.0, 5672.0, 5463.0, 5332.0, 5385.0, 5542.0, 5537.0, 5562.0, 5584.0, 5715.0, 5512.0, 5709.0, 5540.0, 5331.0, 5703.0, 5396.0, 5608.0, 5472.0, 5282.0, 5312.0, 5254.0, 5719.0, 5618.0, 5264.0, 5663.0, 5299.0, 5349.0, 5692.0, 5552.0, 5395.0 (number of hits: 17)
30	5530.0	9	1.0	333	1	5440.0, 5323.0, 5679.0, 5578.0, 5574.0, 5374.0, 5307.0, 5718.0, 5463.0, 5467.0, 5480.0, 5541.0, 5657.0, 5438.0, 5481.0, 5487.0, 5381.0, 5266.0, 5674.0, 5474.0, 5569.0, 5272.0, 5274.0, 5340.0, 5561.0, 5460.0, 5579.0, 5298.0, 5326.0, 5355.0, 5281.0, 5455.0, 5302.0, 5431.0, 5571.0, 5622.0, 5658.0, 5277.0, 5361.0, 5668.0, 5319.0, 5317.0, 5551.0, 5303.0, 5420.0, 5650.0, 5614.0, 5610.0, 5261.0, 5512.0, 5288.0, 5543.0, 5448.0, 5285.0, 5671.0, 5623.0, 5469.0, 5372.0, 5690.0, 5628.0, 5708.0, 5509.0, 5489.0, 5450.0, 5488.0, 5383.0, 5706.0, 5254.0, 5720.0, 5544.0, 5318.0, 5490.0, 5676.0, 5368.0, 5613.0, 5465.0, 5259.0, 5697.0, 5529.0, 5581.0, 5597.0, 5621.0, 5525.0, 5609.0, 5627.0, 5535.0, 5517.0, 5647.0, 5683.0, 5407.0, 5536.0, 5293.0, 5369.0, 5496.0, 5584.0, 5714.0, 5296.0, 5518.0, 5265.0, 5523.0 (number of hits: 15)

**P2MP Mode
Cobalt Radio****5500 MHz, 20 MHz Bandwidth**

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	86.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	83	1.0	638	1
2	62	1.0	858	1
3	89	1.0	598	1
4	68	1.0	778	1
5	63	1.0	838	1
6	102	1.0	518	1
7	70	1.0	758	1
8	95	1.0	558	1
9	59	1.0	898	1
10	65	1.0	818	1
11	99	1.0	538	1
12	18	1.0	3066	1
13	78	1.0	678	1
14	86	1.0	618	1
15	81	1.0	658	1
16	61	1.0	874	1
17	57	1.0	942	1
18	23	1.0	2305	1
19	22	1.0	2428	1
20	18	1.0	2937	1
21	20	1.0	2768	1
22	35	1.0	1533	1
23	80	1.0	661	1
24	76	1.0	702	1
25	49	1.0	1095	1
26	28	1.0	1924	1
27	23	1.0	2385	1
28	44	1.0	1227	1
29	97	1.0	549	1
30	96	1.0	550	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	24	4.8	198	1
2	27	1.8	156	1
3	24	2.3	221	1
4	28	3.5	152	1
5	25	3.5	186	1
6	23	3.3	187	1
7	26	2.0	230	1
8	28	2.4	201	1
9	25	4.3	164	1
10	25	3.7	215	1
11	23	4.9	211	1
12	24	2.0	220	1
13	24	1.8	219	1
14	26	2.7	225	0
15	24	2.8	178	1
16	27	3.8	201	1
17	27	1.8	166	0
18	27	1.9	152	1
19	29	4.1	191	1
20	25	3.6	230	1
21	23	3.4	173	1
22	28	3.5	196	1
23	25	4.2	221	0
24	23	4.4	189	1
25	25	1.0	205	1
26	23	3.4	180	1
27	26	5.0	204	1
28	29	3.8	205	1
29	24	1.5	192	0
30	25	1.5	188	1
Detection Percentage: 86.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	18	9.2	317	1
2	16	7.0	343	1
3	18	9.0	333	1
4	18	6.4	285	1
5	18	9.5	423	1
6	18	8.5	259	1
7	18	8.4	351	1
8	17	9.1	439	1
9	18	8.7	275	1
10	18	6.1	474	1
11	17	10.0	500	1
12	16	9.6	479	1
13	17	10.0	397	0
14	18	6.5	403	1
15	16	9.7	484	1
16	17	9.7	307	1
17	16	8.0	399	0
18	18	6.4	419	0
19	18	8.9	289	1
20	16	6.4	355	0
21	17	6.1	273	1
22	18	10.0	314	1
23	17	9.2	381	0
24	17	6.9	213	1
25	18	6.8	489	1
26	18	6.6	462	1
27	16	9.6	234	1
28	16	8.8	237	1
29	18	7.5	433	1
30	16	9.6	384	1
Detection Percentage: 83.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	15	18.0	394	1
2	15	14.5	375	1
3	16	16.1	260	0
4	15	15.2	476	1
5	14	19.2	228	1
6	15	13.4	357	1
7	15	19.5	261	1
8	16	17.4	355	1
9	12	18.2	327	0
10	14	14.5	304	1
11	12	19.3	339	1
12	12	19.2	254	1
13	15	19.7	427	1
14	16	11.1	346	1
15	16	16.3	415	1
16	16	19.0	201	1
17	13	16.7	241	0
18	16	16.7	410	0
19	14	11.2	346	1
20	13	14.0	314	0
21	15	15.7	264	1
22	13	19.8	204	1
23	14	18.7	246	1
24	15	12.3	430	0
25	16	17.0	328	0
26	14	11.7	316	1
27	15	14.3	295	1
28	12	11.0	445	1
29	16	12.4	428	1
30	14	19.6	244	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5495.3	1
12	5494.9	1
13	5494.5	1
14	5492.5	1
15	5496.1	1
16	5495.7	1
17	5495.3	1
18	5497.7	1
19	5497.3	1
20	5496.9	1
21	5507.1	1
22	5506.3	1
23	5505.1	1
24	5503.5	1
25	5503.9	1
26	5504.7	1
27	5506.3	1
28	5503.9	1
29	5504.3	1
30	5501.9	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	99.3	1101	1820	0.882528	1
1	2	10	52.1	1414		1.415507	
2	2	10	96.3	1230		2.665787	
3	1	10	56.4			3.012828	
4	1	10	60.5			4.044486	
5	2	10	51.4	1242		5.767503	
6	2	10	70.5	1186		6.063798	
7	2	10	85.1	1363		7.956605	
8	2	10	85.1	1661		8.767704	
9	2	10	77.0	1637		9.184556	
10	1	10	58.6			10.673039	
11	2	10	59.3	1748		11.208286	

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	10	68.8	1383		0.557874	1
1	2	10	68.0	1818		2.140559	
2	2	10	52.0	1729		3.113774	
3	2	10	56.0	1808		4.076322	
4	2	10	77.2	1521		4.737011	
5	2	10	80.0	1271		6.222292	
6	2	10	66.3	1449		6.979679	
7	2	10	78.8	1162		8.146125	
8	3	10	96.6	1343	1469	9.736981	
9	2	10	98.6	1843		10.272421	
10	2	10	53.5	1843		11.520308	

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	55.8	1781		0.519993	1
1	2	7	81.9	1679		0.710277	
2	2	7	69.3	1790		1.648297	
3	3	7	90.0	1670	1231	2.478286	
4	3	7	85.1	1226	1125	3.231387	
5	3	7	70.5	1658	1104	3.581995	
6	1	7	56.7			4.051867	
7	2	7	74.3	1900		4.796927	
8	2	7	58.0	1961		5.864435	
9	1	7	51.5			6.636439	
10	3	7	99.4	1826	1304	7.243295	
11	2	7	70.3	1230		7.368964	
12	3	7	66.5	1353	1873	8.636013	
13	2	7	88.5	1096		8.668455	
14	2	7	91.8	1204		9.818789	
15	3	7	57.9	1066	1958	10.543603	
16	1	7	59.6			11.081020	
17	2	7	85.0	1403		11.672839	

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	5	90.8	1190		0.458820	1
1	2	5	73.8	1126		0.950564	
2	3	5	99.4	1506	1308	1.841116	
3	1	5	67.1			2.874981	
4	2	5	77.2	1608		3.252382	
5	3	5	54.1	1923	1474	4.031393	
6	2	5	86.2	1910		4.905480	
7	3	5	54.7	1077	1458	5.397739	
8	1	5	59.3			6.630225	
9	1	5	53.3			6.779612	
10	2	5	95.1	1760		7.743181	
11	2	5	84.5	1961		8.633957	
12	3	5	54.5	1076	1748	9.714552	
13	2	5	87.9	1263		10.305869	
14	2	5	64.8	1729		11.196020	
15	3	5	84.7	1401	1938	11.927098	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	50.9	1654		0.614164	1
1	3	12	83.5	1328	1034	0.872884	
2	1	12	50.9			1.453957	
3	2	12	79.3	1678		2.519899	
4	2	12	63.3	1931		2.741240	
5	3	12	51.9	1556	1808	3.403019	
6	2	12	61.1	1382		4.452266	
7	2	12	78.0	1845		5.210809	
8	1	12	61.2			5.470087	
9	2	12	86.5	1749		6.614090	
10	2	12	71.5	1505		7.292752	
11	2	12	91.6	1045		7.512162	
12	2	12	92.7	1557		8.647596	
13	2	12	93.2	1313		8.942897	
14	1	12	98.9			9.862434	
15	1	12	72.6			10.242082	
16	2	12	53.4	1173		11.289944	
17	3	12	80.7	1242	1125	11.983483	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	89.8	1905	1464	0.149820	1
1	2	9	71.3	1612		0.985293	
2	2	9	67.9	1860		1.588691	
3	3	9	52.4	1943	1386	2.574306	
4	1	9	69.8			3.503205	
5	2	9	62.7	1143		3.591555	
6	2	9	53.7	1891		4.273141	
7	1	9	53.8			5.581734	
8	1	9	61.5			5.652664	
9	1	9	80.9			6.451685	
10	2	9	98.1	1656		7.469501	
11	2	9	81.3	1845		8.227237	
12	2	9	81.4	1234		8.516587	
13	1	9	71.5			9.457686	
14	1	9	99.6			10.155925	
15	2	9	52.8	1705		10.653225	
16	3	9	79.4	1431	1192	11.435718	

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	76.3	1767		0.659744	1
1	1	11	86.9			1.211822	
2	1	11	73.6			1.501792	
3	2	11	70.3	1557		2.149916	
4	2	11	54.4	1105		2.931967	
5	3	11	57.6	1227	1623	3.912876	
6	1	11	99.6			4.223908	
7	2	11	67.1	1575		4.855237	
8	3	11	55.5	1361	1234	5.690513	
9	1	11	51.7			6.396125	
10	2	11	91.8	1583		6.955556	
11	1	11	75.7			7.496660	
12	1	11	76.1			8.183949	
13	2	11	68.0	1396		8.684134	
14	2	11	95.7	1176		9.537146	
15	3	11	52.8	1193	1594	10.177389	
16	1	11	57.5			10.929878	
17	1	11	64.4			11.374764	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	80.9	1611		0.372187	1
1	3	7	53.3	1191	1469	1.353785	
2	3	7	53.6	1147	1684	1.929591	
3	3	7	80.6	1704	1270	2.582618	
4	2	7	84.7	1264		2.850492	
5	3	7	51.6	1315	1419	3.593132	
6	3	7	78.0	1243	1235	4.343252	
7	2	7	85.6	1431		4.984059	
8	3	7	95.2	1769	1468	5.841258	
9	2	7	56.1	1049		6.974721	
10	2	7	82.7	1197		7.670169	
11	3	7	65.0	1705	1534	8.345243	
12	3	7	92.9	1462	1754	9.081568	
13	3	7	80.4	1509	1014	9.593932	
14	2	7	89.8	1034		10.428798	
15	3	7	60.3	1445	1417	10.765388	
16	2	7	69.6	1315		11.519778	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	71.0	1512		0.388983	1
1	2	10	61.3	1366		1.645633	
2	2	10	86.7	1040		2.133753	
3	2	10	83.9	1060		3.388303	
4	2	10	96.5	1201		3.950896	
5	3	10	62.2	1344	1588	5.020775	
6	2	10	77.5	1864		5.210169	
7	2	10	59.5	1192		6.553648	
8	2	10	71.0	1322		7.000047	
9	2	10	85.3	1394		8.496023	
10	2	10	55.8	1353		9.328869	
11	1	10	91.0			9.591725	
12	3	10	62.7	1792	1291	10.603617	
13	3	10	91.5	1703	1437	11.964593	

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	8	63.7	1077	1274	0.207335	1
1	3	8	64.3	1366	1566	0.939226	
2	2	8	64.8	1372		1.354176	
3	2	8	52.0	1561		2.037015	
4	1	8	58.2			2.926797	
5	1	8	86.1			3.357992	
6	3	8	86.4	1453	1239	4.030076	
7	1	8	57.0			4.527896	
8	3	8	70.9	1911	1431	5.148798	
9	1	8	91.8			6.287251	
10	2	8	69.9	1876		6.657505	
11	2	8	96.2	1381		7.417156	
12	2	8	95.6	1915		7.858445	
13	3	8	56.6	1021	1166	8.577183	
14	1	8	56.4			9.331395	
15	2	8	96.8	1167		9.659628	
16	2	8	68.2	1073		10.422249	
17	3	8	68.4	1655	1478	10.801718	
18	2	8	67.6	1051		11.967500	

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	12	77.5	1448		0.185464	1
1	2	12	85.9	1915		1.655618	
2	2	12	57.8	1704		2.725613	
3	1	12	71.2			3.180414	
4	3	12	71.6	1964	1268	4.246581	
5	3	12	93.3	1854	1465	5.395433	
6	2	12	72.2	1793		5.550203	
7	1	12	95.7			6.970088	
8	1	12	89.6			7.874679	
9	3	12	58.6	1859	1885	9.084289	
10	3	12	94.3	1790	1786	9.254623	
11	2	12	51.5	1851		10.771939	
12	1	12	51.3			11.176458	

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	11	82.6	1569		0.478911	1
1	2	11	99.7	1718		0.739947	
2	2	11	68.4	1746		2.041041	
3	3	11	76.4	1061	1660	2.755531	
4	2	11	69.4	1474		3.049546	
5	3	11	83.7	1677	1192	3.607381	
6	1	11	82.6			4.553776	
7	2	11	83.1	1911		5.334573	
8	3	11	64.7	1626	1415	5.695067	
9	2	11	71.8	1320		6.546870	
10	2	11	54.7	1570		7.484054	
11	2	11	70.4	1832		8.442527	
12	2	11	89.3	1876		8.698469	
13	1	11	64.8			9.302637	
14	1	11	57.1			10.574656	
15	2	11	62.3	1829		10.750793	
16	1	11	61.9			11.930043	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	79.3	1315	1180	0.310845	1
1	3	10	92.2	1432	1432	1.206947	
2	1	10	56.7			1.762324	
3	1	10	92.1			2.391869	
4	1	10	98.2			3.388831	
5	2	10	68.8	1774		4.183523	
6	2	10	60.2	1491		4.329832	
7	2	10	99.9	1862		5.397467	
8	1	10	89.8			6.293175	
9	1	10	89.9			6.478875	
10	1	10	72.3			7.691455	
11	2	10	91.5	1354		7.865705	
12	1	10	99.7			9.103130	
13	2	10	65.8	1517		9.640054	
14	2	10	75.9	1979		10.495051	
15	1	10	82.1			10.926908	
16	2	10	51.0	1153		11.568315	

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	94.2	1839		0.436716	1
1	2	5	89.6	1299		0.827318	
2	1	5	51.7			1.644120	
3	3	5	91.5	1468	1690	2.614185	
4	2	5	52.6	1861		3.190410	
5	2	5	86.6	1924		3.868704	
6	2	5	66.2	1577		5.197923	
7	2	5	77.3	1887		5.318494	
8	3	5	90.9	1577	1896	6.524713	
9	3	5	56.4	1642	1490	7.252117	
10	1	5	69.2			7.572158	
11	1	5	70.6			8.293823	
12	2	5	94.3	1370		9.367254	
13	2	5	91.2	1335		10.455294	
14	3	5	99.4	1889	1212	10.516995	
15	2	5	87.6	1792		11.738698	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	79.6	1513	1215	0.404293	1
1	1	14	52.4			1.664436	
2	2	14	63.6	1414		3.900766	
3	3	14	51.7	1621	1863	5.980139	
4	2	14	92.0	1616		6.663618	
5	2	14	78.5	1467		7.800091	
6	1	14	78.1			9.001048	
7	2	14	61.6	1839		11.766687	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	68.9	1282		0.376651	1
1	3	13	92.3	1458	1189	0.914629	
2	2	13	58.0	1621		1.528041	
3	1	13	89.1			2.267210	
4	3	13	97.9	1360	1002	3.047593	
5	3	13	90.4	1140	1524	3.670917	
6	2	13	60.0	1660		3.845701	
7	2	13	59.9	1753		4.889437	
8	3	13	72.2	1200	1238	5.662074	
9	2	13	88.5	1127		6.101807	
10	2	13	64.4	1332		6.587422	
11	3	13	77.0	1359	1237	7.320633	
12	2	13	54.8	1252		8.115315	
13	2	13	65.1	1546		8.822634	
14	1	13	55.7			9.289089	
15	2	13	54.0	1099		9.799974	
16	3	13	50.3	1875	1082	10.235145	
17	2	13	95.6	1523		10.895077	
18	2	13	88.3	1205		11.494559	

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	12	97.4	1887		0.622492	1
1	3	12	97.8	1045	1660	0.730545	
2	3	12	99.4	1862	1151	1.876865	
3	1	12	62.7			2.543773	
4	2	12	97.1	1428		2.985856	
5	3	12	51.1	1123	1429	4.088101	
6	2	12	66.9	1009		4.275638	
7	1	12	86.7			5.096930	
8	1	12	63.2			5.875485	
9	2	12	60.5	1486		6.510196	
10	2	12	58.7	1460		7.130259	
11	1	12	82.1			7.853997	
12	1	12	81.5			8.856213	
13	2	12	79.0	1080		9.806970	
14	2	12	71.9	1984		10.554861	
15	2	12	94.0	1444		10.743889	
16	2	12	60.3	1487		11.740352	

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	18	88.2	1179		0.183447	1
1	1	18	74.6			0.952122	
2	2	18	78.7	1809		1.483280	
3	2	18	67.8	1482		1.867094	
4	3	18	57.4	1134	1539	2.722637	
5	1	18	93.0			3.001621	
6	1	18	88.0			3.934132	
7	1	18	62.8			4.757934	
8	3	18	72.2	1044	1206	4.967178	
9	3	18	55.0	1162	1199	5.531498	
10	2	18	58.9	1035		6.017790	
11	2	18	65.8	1160		6.657779	
12	1	18	89.2			7.424433	
13	2	18	97.0	1017		8.182323	
14	3	18	75.2	1916	1287	8.791834	
15	2	18	80.4	1619		9.156284	
16	3	18	94.3	1680	1478	9.625536	
17	2	18	61.6	1258		10.256280	
18	1	18	93.0			10.845054	
19	1	18	75.2			11.923583	

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	17	87.3	1466		0.867061	1
1	2	17	80.9	1228		1.406543	
2	2	17	86.3	1336		3.160268	
3	2	17	83.1	1929		3.921720	
4	1	17	94.9			4.822551	
5	2	17	84.4	1897		6.921132	
6	1	17	59.0			7.527063	
7	2	17	65.7	1964		9.478637	
8	2	17	61.7	1137		9.663354	
9	1	17	52.7			11.413424	

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	16	86.1	1445		0.276502	1
1	3	16	66.6	1243	1725	0.800329	
2	1	16	90.5			1.289259	
3	1	16	83.1			2.205312	
4	2	16	94.5	1340		2.442033	
5	2	16	61.1	1737		3.595017	
6	2	16	61.2	1761		3.704087	
7	2	16	72.3	1356		4.696614	
8	3	16	52.8	1097	1125	5.014891	
9	3	16	64.7	1843	1042	5.952454	
10	3	16	87.1	1364	1637	6.367998	
11	1	16	55.6			6.790593	
12	3	16	53.7	1721	1996	7.773989	
13	2	16	96.4	1938		8.104198	
14	3	16	58.0	1663	1738	8.579485	
15	2	16	60.7	1794		9.109655	
16	3	16	91.7	1275	1833	9.928988	
17	1	16	59.6			10.773412	
18	2	16	89.9	1340		11.088297	
19	1	16	57.5			11.517447	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	95.9			0.692142	1
1	2	6	99.9	1688		1.103179	
2	2	6	59.7	1786		2.792693	
3	2	6	61.6	1650		3.850080	
4	1	6	96.5			4.973530	
5	1	6	86.4			5.605368	
6	2	6	77.3	1746		6.520702	
7	2	6	79.8	1563		7.723945	
8	2	6	99.0	1484		8.942474	
9	2	6	70.0	1226		9.104958	
10	2	6	70.0	1911		10.810203	
11	1	6	92.7			11.041429	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	80.7	1557		0.565472	1
1	2	8	93.6	1919		1.767619	
2	2	8	53.0	1265		2.289710	
3	1	8	52.1			3.122783	
4	1	8	61.4			4.602894	
5	2	8	55.9	1797		4.661165	
6	1	8	65.9			5.973689	
7	3	8	75.3	1886	1418	7.300195	
8	1	8	96.9			7.851371	
9	2	8	93.0	1652		8.496253	
10	2	8	93.1	1604		9.389531	
11	1	8	53.1			10.982228	
12	1	8	98.5			11.938751	

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	11	78.0			0.643279	1
1	3	11	77.0	1189	1472	1.422384	
2	2	11	58.0	1246		2.252114	
3	3	11	56.3	1554	1927	3.377025	
4	3	11	79.8	1146	1204	4.043445	
5	3	11	76.0	1002	1269	5.097435	
6	2	11	72.1	1137		5.222228	
7	2	11	83.4	1449		6.574543	
8	2	11	66.9	1840		7.534782	
9	3	11	75.9	1887	1931	8.530049	
10	1	11	70.0			8.795289	
11	2	11	62.7	1505		9.802777	
12	2	11	87.6	1169		10.388671	
13	2	11	67.1	1062		11.868566	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	15	79.9	1689	1033	0.278289	1
1	1	15	69.7			1.361236	
2	3	15	98.6	1082	1303	2.036311	
3	3	15	73.0	1380	1123	2.699398	
4	1	15	84.2			2.927230	
5	1	15	97.4			4.063319	
6	2	15	73.1	1824		4.587988	
7	1	15	64.5			5.607414	
8	2	15	82.9	1866		6.244545	
9	3	15	78.6	1295	1792	6.816384	
10	3	15	93.0	1509	1855	7.271852	
11	1	15	99.9			8.146993	
12	3	15	94.7	1657	1054	9.097123	
13	2	15	59.2	1805		9.732536	
14	1	15	53.6			10.065632	
15	1	15	81.3			11.004192	
16	3	15	64.5	1662	1145	11.501655	

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	94.6	1232		0.528569	1
1	2	14	79.0	1469		0.671169	
2	2	14	59.1	1756		1.775365	
3	2	14	98.7	1649		2.066890	
4	1	14	95.9			2.547598	
5	3	14	70.3	1582	1771	3.649496	
6	3	14	59.8	1458	1852	4.078520	
7	1	14	52.6			4.576095	
8	3	14	85.7	1054	1488	5.368553	
9	1	14	87.4			5.886837	
10	1	14	86.8			6.861434	
11	2	14	67.4	1425		6.957662	
12	1	14	59.3			8.143156	
13	3	14	64.0	1809	1093	8.551166	
14	3	14	71.4	1898	1139	9.004764	
15	2	14	64.7	1778		9.592422	
16	1	14	83.0			10.509272	
17	1	14	83.7			10.931656	
18	2	14	75.5	1229		11.669502	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	93.9			0.131131	1
1	1	12	75.9			2.742944	
2	1	12	50.2			3.224552	
3	2	12	64.9	1166		4.782398	
4	2	12	50.2	1482		6.632792	
5	2	12	59.0	1373		8.454863	
6	1	12	74.9			9.628703	
7	1	12	51.1			10.957789	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	87.4	1648		0.187303	1
1	2	8	71.2	1840		1.101218	
2	3	8	96.2	1913	1225	2.689282	
3	1	8	65.1			3.847097	
4	3	8	73.9	1511	1087	4.366449	
5	3	8	63.2	1152	1814	5.259283	
6	1	8	74.3			6.658436	
7	2	8	82.7	1130		7.937971	
8	2	8	60.6	1269		8.262500	
9	2	8	84.8	1590		9.139285	
10	1	8	100.0			10.332352	
11	2	8	58.1	1298		11.822229	

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	14	62.8	1998		0.482891	1
1	2	14	77.9	1906		1.110660	
2	3	14	86.8	1535	1009	2.609929	
3	2	14	71.4	1865		3.755117	
4	2	14	71.7	1187		4.921584	
5	3	14	72.8	1107	1856	5.882252	
6	2	14	57.2	1877		7.171239	
7	2	14	60.0	1312		7.899110	
8	3	14	81.7	1985	1119	9.159728	
9	2	14	95.3	1795		10.056347	
10	2	14	98.9	1081		11.985887	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	56.8	1225		0.695564	1
1	3	13	84.3	1547	1474	1.841561	
2	1	13	68.3			2.452581	
3	2	13	67.7	1095		3.089283	
4	2	13	56.8	1181		4.362191	
5	2	13	77.3	1158		5.081163	
6	1	13	98.3			6.971868	
7	1	13	54.1			7.257721	
8	2	13	93.6	1788		8.892124	
9	2	13	73.8	1671		9.369390	
10	3	13	83.7	1577	1355	10.162946	
11	1	13	74.7			11.417104	

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	19	81.0	1859		0.406868	1
1	2	19	82.1	1379		0.983686	
2	2	19	55.7	1190		1.444202	
3	2	19	91.3	1434		2.032788	
4	2	19	78.1	1796		2.813707	
5	2	19	52.0	1566		3.854785	
6	2	19	96.2	1866		4.538483	
7	3	19	62.3	1022	1254	4.923991	
8	1	19	76.5			5.520264	
9	2	19	87.4	1780		6.184471	
10	3	19	79.2	1599	1810	6.816161	
11	3	19	83.0	1570	1604	7.687517	
12	2	19	83.4	1391		8.444628	
13	2	19	79.6	1024		9.016437	
14	2	19	62.7	1743		9.365118	
15	1	19	78.9			10.372114	
16	2	19	72.3	1437		10.983262	
17	3	19	76.0	1938	1862	11.719889	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500.0	9	1.0	333	1	5545.0, 5600.0, 5464.0, 5279.0, 5494.0, 5374.0, 5351.0, 5320.0, 5359.0, 5507.0, 5702.0, 5513.0, 5624.0, 5386.0, 5393.0, 5597.0, 5445.0, 5419.0, 5697.0, 5339.0, 5604.0, 5569.0, 5423.0, 5272.0, 5414.0, 5472.0, 5435.0, 5466.0, 5542.0, 5290.0, 5511.0, 5705.0, 5282.0, 5426.0, 5391.0, 5615.0, 5469.0, 5295.0, 5492.0, 5669.0, 5482.0, 5468.0, 5580.0, 5532.0, 5444.0, 5618.0, 5688.0, 5526.0, 5637.0, 5504.0, 5412.0, 5401.0, 5322.0, 5550.0, 5373.0, 5625.0, 5319.0, 5523.0, 5568.0, 5325.0, 5562.0, 5372.0, 5455.0, 5347.0, 5643.0, 5291.0, 5563.0, 5336.0, 5519.0, 5358.0, 5417.0, 5490.0, 5350.0, 5400.0, 5357.0, 5340.0, 5281.0, 5390.0, 5704.0, 5647.0, 5342.0, 5312.0, 5327.0, 5708.0, 5719.0, 5274.0, 5387.0, 5613.0, 5641.0, 5593.0, 5723.0, 5456.0, 5665.0, 5398.0, 5653.0, 5323.0, 5328.0, 5575.0, 5628.0, 5602.0 (number of hits: 5)
2	5500.0	9	1.0	333	1	5281.0, 5283.0, 5710.0, 5432.0, 5593.0, 5422.0, 5436.0, 5390.0, 5399.0, 5355.0, 5697.0, 5675.0, 5652.0, 5700.0, 5558.0, 5661.0, 5379.0, 5255.0, 5525.0, 5608.0, 5328.0, 5565.0, 5297.0, 5617.0, 5487.0, 5580.0, 5628.0, 5648.0, 5623.0, 5575.0, 5337.0, 5258.0, 5553.0, 5271.0, 5419.0, 5277.0, 5303.0, 5396.0, 5627.0, 5340.0, 5722.0, 5347.0, 5594.0, 5285.0, 5344.0, 5256.0, 5482.0, 5636.0, 5406.0, 5294.0, 5693.0, 5430.0, 5286.0, 5597.0, 5589.0, 5686.0, 5253.0, 5590.0, 5542.0, 5521.0, 5718.0, 5376.0, 5454.0, 5389.0, 5550.0, 5441.0, 5647.0, 5339.0, 5536.0, 5499.0, 5533.0, 5385.0, 5699.0, 5546.0, 5304.0, 5576.0, 5635.0, 5711.0, 5357.0, 5453.0, 5690.0, 5618.0, 5409.0, 5569.0, 5606.0, 5492.0, 5470.0, 5426.0, 5609.0, 5316.0, 5684.0, 5663.0, 5265.0, 5291.0, 5500.0, 5551.0, 5563.0, 5677.0, 5467.0, 5302.0 (number of hits: 3)
3	5500.0	9	1.0	333	1	5341.0, 5545.0, 5411.0, 5504.0, 5362.0, 5428.0, 5556.0, 5474.0, 5416.0, 5719.0, 5560.0, 5405.0, 5305.0, 5375.0, 5510.0, 5482.0, 5419.0, 5668.0, 5323.0, 5328.0, 5717.0, 5571.0, 5390.0, 5285.0, 5348.0, 5710.0, 5269.0, 5420.0, 5426.0, 5303.0, 5722.0, 5450.0, 5387.0, 5344.0, 5332.0, 5669.0, 5378.0, 5609.0, 5518.0, 5708.0, 5324.0, 5721.0, 5530.0, 5555.0, 5435.0, 5297.0, 5396.0, 5476.0, 5619.0, 5567.0, 5437.0, 5319.0, 5459.0, 5274.0, 5255.0, 5295.0, 5547.0, 5647.0, 5350.0, 5515.0, 5286.0, 5550.0, 5276.0, 5294.0, 5413.0, 5703.0, 5502.0, 5620.0, 5552.0, 5687.0, 5617.0, 5472.0, 5596.0, 5364.0, 5287.0, 5645.0, 5677.0, 5704.0, 5284.0, 5356.0, 5372.0, 5643.0, 5498.0, 5467.0, 5322.0, 5462.0, 5461.0, 5604.0, 5443.0, 5363.0, 5318.0, 5312.0, 5536.0, 5444.0, 5464.0, 5455.0, 5616.0, 5327.0, 5709.0, 5512.0 (number of hits: 3)
4	5500.0	9	1.0	333	1	5478.0, 5368.0, 5658.0, 5672.0, 5263.0, 5622.0, 5423.0, 5682.0, 5567.0, 5348.0, 5450.0, 5494.0, 5284.0, 5569.0, 5586.0, 5355.0, 5259.0, 5575.0, 5530.0, 5677.0, 5660.0, 5535.0, 5496.0, 5615.0, 5624.0, 5280.0, 5669.0, 5276.0, 5407.0, 5250.0, 5443.0, 5696.0, 5324.0, 5308.0, 5389.0, 5256.0, 5415.0, 5504.0, 5270.0, 5383.0, 5384.0, 5302.0, 5503.0, 5462.0, 5477.0, 5437.0, 5350.0, 5712.0, 5577.0, 5649.0, 5273.0, 5409.0, 5556.0, 5453.0, 5260.0, 5709.0, 5406.0, 5659.0, 5399.0, 5483.0, 5559.0, 5565.0, 5641.0, 5291.0, 5365.0, 5534.0, 5538.0, 5518.0, 5554.0, 5688.0,

						5662.0, 5382.0, 5305.0, 5667.0, 5403.0, 5282.0, 5593.0, 5319.0, 5349.0, 5665.0, 5465.0, 5689.0, 5564.0, 5618.0, 5632.0, 5515.0, 5354.0, 5587.0, 5431.0, 5419.0, 5629.0, 5337.0, 5679.0, 5666.0, 5313.0, 5614.0, 5555.0, 5619.0, 5545.0, 5254.0 (number of hits: 4)
5	5500.0	9	1.0	333	1	5260.0, 5505.0, 5619.0, 5691.0, 5519.0, 5404.0, 5444.0, 5438.0, 5317.0, 5467.0, 5694.0, 5431.0, 5558.0, 5318.0, 5714.0, 5594.0, 5540.0, 5668.0, 5480.0, 5405.0, 5681.0, 5400.0, 5452.0, 5554.0, 5402.0, 5596.0, 5501.0, 5331.0, 5312.0, 5650.0, 5647.0, 5640.0, 5320.0, 5653.0, 5598.0, 5458.0, 5298.0, 5388.0, 5522.0, 5302.0, 5513.0, 5603.0, 5678.0, 5389.0, 5533.0, 5420.0, 5581.0, 5479.0, 5319.0, 5407.0, 5355.0, 5427.0, 5707.0, 5450.0, 5468.0, 5590.0, 5395.0, 5460.0, 5655.0, 5661.0, 5709.0, 5258.0, 5357.0, 5421.0, 5461.0, 5253.0, 5439.0, 5684.0, 5520.0, 5488.0, 5579.0, 5414.0, 5527.0, 5475.0, 5555.0, 5340.0, 5578.0, 5622.0, 5567.0, 5690.0, 5363.0, 5338.0, 5569.0, 5672.0, 5604.0, 5493.0, 5633.0, 5583.0, 5401.0, 5560.0, 5417.0, 5429.0, 5297.0, 5295.0, 5669.0, 5492.0, 5315.0, 5380.0, 5710.0, 5365.0 (number of hits: 4)
6	5500.0	9	1.0	333	1	5434.0, 5363.0, 5327.0, 5487.0, 5252.0, 5402.0, 5286.0, 5632.0, 5376.0, 5572.0, 5354.0, 5446.0, 5432.0, 5701.0, 5648.0, 5577.0, 5324.0, 5384.0, 5543.0, 5531.0, 5560.0, 5670.0, 5389.0, 5703.0, 5589.0, 5468.0, 5622.0, 5594.0, 5656.0, 5335.0, 5349.0, 5588.0, 5538.0, 5394.0, 5365.0, 5375.0, 5623.0, 5555.0, 5390.0, 5264.0, 5250.0, 5611.0, 5586.0, 5561.0, 5270.0, 5326.0, 5590.0, 5708.0, 5547.0, 5323.0, 5692.0, 5396.0, 5397.0, 5605.0, 5452.0, 5673.0, 5535.0, 5507.0, 5423.0, 5642.0, 5353.0, 5511.0, 5719.0, 5316.0, 5358.0, 5587.0, 5569.0, 5441.0, 5472.0, 5422.0, 5504.0, 5525.0, 5333.0, 5378.0, 5409.0, 5559.0, 5651.0, 5350.0, 5256.0, 5625.0, 5674.0, 5544.0, 5443.0, 5331.0, 5449.0, 5265.0, 5661.0, 5549.0, 5688.0, 5563.0, 5570.0, 5608.0, 5377.0, 5667.0, 5407.0, 5364.0, 5400.0, 5366.0, 5277.0, 5652.0 (number of hits: 2)
7	5500.0	9	1.0	333	1	5548.0, 5667.0, 5632.0, 5593.0, 5445.0, 5296.0, 5494.0, 5711.0, 5520.0, 5687.0, 5506.0, 5250.0, 5386.0, 5438.0, 5581.0, 5525.0, 5641.0, 5344.0, 5646.0, 5697.0, 5404.0, 5577.0, 5500.0, 5690.0, 5454.0, 5345.0, 5265.0, 5294.0, 5557.0, 5280.0, 5262.0, 5612.0, 5401.0, 5291.0, 5692.0, 5708.0, 5480.0, 5467.0, 5361.0, 5293.0, 5279.0, 5286.0, 5375.0, 5311.0, 5509.0, 5700.0, 5510.0, 5270.0, 5343.0, 5253.0, 5582.0, 5383.0, 5585.0, 5459.0, 5614.0, 5594.0, 5266.0, 5573.0, 5515.0, 5354.0, 5437.0, 5407.0, 5316.0, 5302.0, 5677.0, 5611.0, 5643.0, 5355.0, 5592.0, 5720.0, 5511.0, 5418.0, 5396.0, 5568.0, 5424.0, 5668.0, 5380.0, 5322.0, 5551.0, 5609.0, 5542.0, 5403.0, 5698.0, 5656.0, 5305.0, 5369.0, 5479.0, 5385.0, 5398.0, 5298.0, 5547.0, 5591.0, 5474.0, 5659.0, 5691.0, 5670.0, 5496.0, 5468.0, 5492.0, 5370.0 (number of hits: 6)
8	5500.0	9	1.0	333	1	5699.0, 5533.0, 5635.0, 5426.0, 5636.0, 5645.0, 5402.0, 5609.0, 5479.0, 5445.0, 5320.0, 5450.0, 5349.0, 5552.0, 5338.0, 5492.0, 5269.0, 5568.0, 5453.0, 5501.0, 5422.0, 5553.0, 5280.0, 5346.0, 5300.0, 5403.0, 5572.0, 5546.0, 5376.0, 5306.0, 5618.0, 5665.0, 5444.0, 5345.0, 5573.0, 5672.0, 5529.0, 5465.0, 5384.0, 5532.0, 5279.0, 5646.0, 5708.0, 5277.0, 5604.0, 5690.0, 5463.0, 5527.0, 5328.0, 5375.0, 5446.0, 5720.0, 5669.0, 5348.0, 5260.0, 5431.0, 5496.0, 5577.0, 5383.0, 5592.0, 5651.0, 5335.0, 5412.0, 5314.0, 5561.0, 5363.0, 5536.0, 5331.0, 5388.0, 5321.0, 5342.0, 5442.0, 5585.0, 5495.0, 5305.0, 5545.0, 5294.0,

						5309.0, 5432.0, 5603.0, 5515.0, 5447.0, 5684.0, 5283.0, 5393.0, 5705.0, 5517.0, 5250.0, 5519.0, 5323.0, 5330.0, 5435.0, 5490.0, 5291.0, 5643.0, 5680.0, 5416.0, 5486.0, 5324.0, 5694.0 (number of hits: 5)
9	5500.0	9	1.0	333	1	5444.0, 5451.0, 5572.0, 5611.0, 5448.0, 5273.0, 5546.0, 5398.0, 5363.0, 5557.0, 5642.0, 5450.0, 5595.0, 5586.0, 5287.0, 5466.0, 5433.0, 5471.0, 5276.0, 5513.0, 5359.0, 5636.0, 5710.0, 5665.0, 5454.0, 5609.0, 5594.0, 5397.0, 5290.0, 5251.0, 5637.0, 5671.0, 5351.0, 5618.0, 5542.0, 5340.0, 5660.0, 5458.0, 5693.0, 5318.0, 5494.0, 5536.0, 5647.0, 5325.0, 5580.0, 5661.0, 5699.0, 5500.0, 5601.0, 5564.0, 5469.0, 5688.0, 5291.0, 5592.0, 5405.0, 5383.0, 5368.0, 5722.0, 5549.0, 5396.0, 5429.0, 5668.0, 5709.0, 5539.0, 5499.0, 5449.0, 5441.0, 5497.0, 5689.0, 5327.0, 5675.0, 5537.0, 5485.0, 5683.0, 5361.0, 5552.0, 5402.0, 5352.0, 5349.0, 5658.0, 5610.0, 5264.0, 5313.0, 5358.0, 5481.0, 5403.0, 5512.0, 5416.0, 5649.0, 5615.0, 5721.0, 5488.0, 5301.0, 5334.0, 5643.0, 5645.0, 5493.0, 5408.0, 5379.0, 5438.0 (number of hits: 5)
10	5500.0	9	1.0	333	1	5520.0, 5346.0, 5373.0, 5620.0, 5652.0, 5273.0, 5529.0, 5335.0, 5307.0, 5254.0, 5556.0, 5545.0, 5413.0, 5363.0, 5445.0, 5467.0, 5368.0, 5483.0, 5348.0, 5496.0, 5366.0, 5584.0, 5491.0, 5542.0, 5624.0, 5558.0, 5388.0, 5695.0, 5291.0, 5519.0, 5535.0, 5295.0, 5655.0, 5425.0, 5394.0, 5285.0, 5662.0, 5451.0, 5440.0, 5455.0, 5323.0, 5468.0, 5312.0, 5476.0, 5341.0, 5608.0, 5355.0, 5472.0, 5330.0, 5666.0, 5290.0, 5438.0, 5562.0, 5407.0, 5622.0, 5504.0, 5650.0, 5414.0, 5447.0, 5582.0, 5578.0, 5647.0, 5358.0, 5646.0, 5538.0, 5369.0, 5526.0, 5310.0, 5537.0, 5270.0, 5614.0, 5315.0, 5314.0, 5402.0, 5528.0, 5343.0, 5681.0, 5293.0, 5534.0, 5498.0, 5648.0, 5418.0, 5465.0, 5444.0, 5371.0, 5454.0, 5595.0, 5568.0, 5508.0, 5610.0, 5630.0, 5251.0, 5289.0, 5533.0, 5360.0, 5464.0, 5721.0, 5452.0, 5565.0, 5586.0 (number of hits: 5)
11	5500.0	9	1.0	333	1	5525.0, 5559.0, 5634.0, 5268.0, 5654.0, 5720.0, 5428.0, 5338.0, 5680.0, 5378.0, 5641.0, 5544.0, 5425.0, 5586.0, 5420.0, 5520.0, 5556.0, 5646.0, 5283.0, 5447.0, 5670.0, 5540.0, 5347.0, 5596.0, 5496.0, 5372.0, 5597.0, 5569.0, 5592.0, 5340.0, 5691.0, 5630.0, 5492.0, 5582.0, 5593.0, 5437.0, 5663.0, 5321.0, 5558.0, 5486.0, 5573.0, 5263.0, 5435.0, 5661.0, 5531.0, 5431.0, 5588.0, 5324.0, 5626.0, 5494.0, 5261.0, 5392.0, 5470.0, 5459.0, 5317.0, 5377.0, 5689.0, 5585.0, 5543.0, 5472.0, 5541.0, 5518.0, 5270.0, 5495.0, 5656.0, 5576.0, 5697.0, 5265.0, 5386.0, 5464.0, 5529.0, 5647.0, 5581.0, 5401.0, 5639.0, 5574.0, 5665.0, 5629.0, 5330.0, 5649.0, 5294.0, 5669.0, 5255.0, 5434.0, 5534.0, 5315.0, 5432.0, 5313.0, 5426.0, 5303.0, 5498.0, 5681.0, 5718.0, 5578.0, 5358.0, 5477.0, 5256.0, 5660.0, 5273.0, 5631.0 (number of hits: 5)
12	5500.0	9	1.0	333	1	5330.0, 5285.0, 5561.0, 5381.0, 5705.0, 5514.0, 5412.0, 5666.0, 5363.0, 5551.0, 5340.0, 5401.0, 5323.0, 5458.0, 5511.0, 5409.0, 5424.0, 5626.0, 5468.0, 5397.0, 5690.0, 5279.0, 5484.0, 5627.0, 5593.0, 5264.0, 5580.0, 5643.0, 5624.0, 5377.0, 5548.0, 5430.0, 5265.0, 5679.0, 5318.0, 5376.0, 5640.0, 5337.0, 5613.0, 5258.0, 5539.0, 5421.0, 5400.0, 5536.0, 5636.0, 5597.0, 5651.0, 5665.0, 5471.0, 5612.0, 5296.0, 5691.0, 5420.0, 5304.0, 5342.0, 5465.0, 5273.0, 5393.0, 5302.0, 5408.0, 5475.0, 5414.0, 5336.0, 5415.0, 5503.0, 5507.0, 5410.0, 5463.0, 5278.0, 5702.0, 5496.0, 5350.0, 5335.0, 5611.0, 5280.0, 5271.0, 5692.0, 5594.0, 5634.0, 5343.0, 5687.0, 5494.0, 5553.0, 5317.0,

						5450.0, 5492.0, 5621.0, 5354.0, 5369.0, 5632.0, 5487.0, 5493.0, 5654.0, 5499.0, 5609.0, 5423.0, 5554.0, 5718.0, 5429.0, 5495.0 (number of hits: 8)
13	5500.0	9	1.0	333	1	5544.0, 5528.0, 5574.0, 5602.0, 5575.0, 5645.0, 5430.0, 5567.0, 5565.0, 5475.0, 5251.0, 5376.0, 5379.0, 5513.0, 5669.0, 5708.0, 5381.0, 5370.0, 5495.0, 5277.0, 5492.0, 5308.0, 5500.0, 5535.0, 5270.0, 5313.0, 5651.0, 5703.0, 5582.0, 5552.0, 5562.0, 5466.0, 5682.0, 5693.0, 5292.0, 5691.0, 5395.0, 5260.0, 5377.0, 5375.0, 5610.0, 5414.0, 5389.0, 5405.0, 5271.0, 5432.0, 5585.0, 5433.0, 5272.0, 5623.0, 5497.0, 5327.0, 5326.0, 5453.0, 5269.0, 5279.0, 5266.0, 5702.0, 5630.0, 5328.0, 5568.0, 5296.0, 5634.0, 5654.0, 5462.0, 5309.0, 5307.0, 5673.0, 5608.0, 5329.0, 5650.0, 5680.0, 5611.0, 5685.0, 5363.0, 5392.0, 5599.0, 5400.0, 5254.0, 5499.0, 5312.0, 5481.0, 5721.0, 5583.0, 5435.0, 5388.0, 5540.0, 5386.0, 5524.0, 5408.0, 5397.0, 5281.0, 5480.0, 5588.0, 5338.0, 5356.0, 5603.0, 5284.0, 5572.0, 5713.0 (number of hits: 5)
14	5500.0	9	1.0	333	1	5713.0, 5585.0, 5422.0, 5335.0, 5594.0, 5332.0, 5431.0, 5689.0, 5693.0, 5328.0, 5638.0, 5372.0, 5347.0, 5390.0, 5398.0, 5322.0, 5350.0, 5639.0, 5341.0, 5418.0, 5606.0, 5722.0, 5475.0, 5291.0, 5633.0, 5349.0, 5283.0, 5407.0, 5364.0, 5674.0, 5379.0, 5697.0, 5690.0, 5412.0, 5507.0, 5707.0, 5614.0, 5502.0, 5474.0, 5655.0, 5365.0, 5499.0, 5517.0, 5417.0, 5441.0, 5363.0, 5719.0, 5535.0, 5651.0, 5672.0, 5608.0, 5497.0, 5652.0, 5251.0, 5595.0, 5703.0, 5308.0, 5338.0, 5408.0, 5392.0, 5575.0, 5414.0, 5334.0, 5445.0, 5701.0, 5254.0, 5356.0, 5617.0, 5297.0, 5306.0, 5645.0, 5454.0, 5360.0, 5600.0, 5275.0, 5586.0, 5455.0, 5521.0, 5430.0, 5522.0, 5587.0, 5653.0, 5440.0, 5479.0, 5377.0, 5255.0, 5605.0, 5662.0, 5659.0, 5723.0, 5419.0, 5468.0, 5313.0, 5515.0, 5705.0, 5544.0, 5281.0, 5543.0, 5523.0, 5666.0 (number of hits: 4)
15	5500.0	9	1.0	333	1	5345.0, 5366.0, 5357.0, 5277.0, 5714.0, 5423.0, 5519.0, 5445.0, 5722.0, 5517.0, 5695.0, 5409.0, 5461.0, 5407.0, 5352.0, 5392.0, 5654.0, 5396.0, 5657.0, 5568.0, 5543.0, 5339.0, 5437.0, 5531.0, 5312.0, 5701.0, 5547.0, 5360.0, 5251.0, 5307.0, 5325.0, 5371.0, 5619.0, 5603.0, 5715.0, 5539.0, 5608.0, 5432.0, 5462.0, 5466.0, 5317.0, 5406.0, 5540.0, 5500.0, 5454.0, 5416.0, 5370.0, 5631.0, 5415.0, 5650.0, 5515.0, 5391.0, 5530.0, 5535.0, 5443.0, 5377.0, 5438.0, 5678.0, 5562.0, 5708.0, 5353.0, 5569.0, 5524.0, 5305.0, 5399.0, 5428.0, 5621.0, 5493.0, 5273.0, 5482.0, 5367.0, 5356.0, 5456.0, 5252.0, 5433.0, 5580.0, 5449.0, 5468.0, 5361.0, 5292.0, 5429.0, 5506.0, 5683.0, 5665.0, 5278.0, 5653.0, 5299.0, 5386.0, 5385.0, 5552.0, 5458.0, 5555.0, 5692.0, 5550.0, 5563.0, 5315.0, 5430.0, 5610.0, 5668.0, 5408.0 (number of hits: 3)
16	5500.0	9	1.0	333	1	5640.0, 5385.0, 5561.0, 5371.0, 5399.0, 5394.0, 5491.0, 5661.0, 5545.0, 5710.0, 5603.0, 5471.0, 5703.0, 5480.0, 5539.0, 5343.0, 5329.0, 5548.0, 5361.0, 5303.0, 5609.0, 5606.0, 5412.0, 5319.0, 5605.0, 5411.0, 5330.0, 5530.0, 5326.0, 5621.0, 5451.0, 5353.0, 5421.0, 5380.0, 5616.0, 5693.0, 5464.0, 5499.0, 5299.0, 5279.0, 5549.0, 5709.0, 5316.0, 5634.0, 5582.0, 5543.0, 5509.0, 5492.0, 5338.0, 5672.0, 5668.0, 5713.0, 5393.0, 5535.0, 5696.0, 5513.0, 5657.0, 5445.0, 5487.0, 5298.0, 5620.0, 5272.0, 5388.0, 5470.0, 5262.0, 5679.0, 5378.0, 5533.0, 5671.0, 5341.0, 5687.0, 5573.0, 5510.0, 5562.0, 5335.0, 5568.0, 5632.0, 5677.0, 5540.0, 5346.0, 5397.0, 5705.0, 5459.0, 5456.0, 5664.0, 5701.0, 5296.0, 5310.0, 5482.0, 5403.0, 5695.0,

						5454.0, 5278.0, 5692.0, 5462.0, 5463.0, 5369.0, 5551.0, 5502.0, 5635.0 (number of hits: 5)
17	5500.0	9	1.0	333	1	5344.0, 5318.0, 5314.0, 5552.0, 5338.0, 5357.0, 5553.0, 5377.0, 5307.0, 5297.0, 5593.0, 5556.0, 5484.0, 5639.0, 5521.0, 5604.0, 5432.0, 5383.0, 5653.0, 5250.0, 5469.0, 5711.0, 5597.0, 5342.0, 5258.0, 5525.0, 5581.0, 5364.0, 5427.0, 5716.0, 5617.0, 5598.0, 5374.0, 5579.0, 5472.0, 5400.0, 5386.0, 5531.0, 5471.0, 5393.0, 5350.0, 5298.0, 5509.0, 5685.0, 5573.0, 5279.0, 5410.0, 5607.0, 5444.0, 5361.0, 5595.0, 5277.0, 5689.0, 5514.0, 5253.0, 5452.0, 5294.0, 5577.0, 5268.0, 5416.0, 5425.0, 5358.0, 5414.0, 5627.0, 5697.0, 5524.0, 5303.0, 5448.0, 5446.0, 5351.0, 5329.0, 5665.0, 5584.0, 5534.0, 5701.0, 5706.0, 5412.0, 5501.0, 5500.0, 5319.0, 5259.0, 5671.0, 5252.0, 5389.0, 5502.0, 5644.0, 5497.0, 5405.0, 5337.0, 5487.0, 5539.0, 5530.0, 5668.0, 5463.0, 5312.0, 5281.0, 5311.0, 5392.0, 5390.0, 5561.0 (number of hits: 5)
18	5500.0	9	1.0	333	1	5702.0, 5653.0, 5558.0, 5668.0, 5421.0, 5445.0, 5710.0, 5696.0, 5402.0, 5525.0, 5372.0, 5348.0, 5649.0, 5454.0, 5320.0, 5461.0, 5667.0, 5500.0, 5391.0, 5677.0, 5604.0, 5450.0, 5483.0, 5315.0, 5354.0, 5714.0, 5366.0, 5545.0, 5661.0, 5425.0, 5688.0, 5655.0, 5375.0, 5570.0, 5605.0, 5280.0, 5642.0, 5339.0, 5468.0, 5293.0, 5489.0, 5474.0, 5344.0, 5625.0, 5552.0, 5616.0, 5306.0, 5705.0, 5611.0, 5609.0, 5487.0, 5490.0, 5584.0, 5665.0, 5523.0, 5291.0, 5536.0, 5314.0, 5317.0, 5371.0, 5521.0, 5447.0, 5417.0, 5637.0, 5488.0, 5414.0, 5499.0, 5284.0, 5300.0, 5486.0, 5596.0, 5443.0, 5689.0, 5292.0, 5560.0, 5429.0, 5589.0, 5494.0, 5484.0, 5682.0, 5282.0, 5517.0, 5564.0, 5505.0, 5395.0, 5436.0, 5422.0, 5663.0, 5503.0, 5646.0, 5451.0, 5427.0, 5400.0, 5458.0, 5720.0, 5272.0, 5278.0, 5485.0, 5519.0, 5376.0 (number of hits: 6)
19	5500.0	9	1.0	333	1	5584.0, 5419.0, 5351.0, 5339.0, 5492.0, 5664.0, 5295.0, 5384.0, 5282.0, 5567.0, 5529.0, 5332.0, 5548.0, 5576.0, 5361.0, 5522.0, 5634.0, 5307.0, 5314.0, 5315.0, 5676.0, 5644.0, 5264.0, 5604.0, 5592.0, 5450.0, 5343.0, 5642.0, 5498.0, 5575.0, 5308.0, 5596.0, 5424.0, 5328.0, 5605.0, 5640.0, 5512.0, 5636.0, 5302.0, 5687.0, 5474.0, 5311.0, 5627.0, 5511.0, 5658.0, 5259.0, 5651.0, 5330.0, 5633.0, 5477.0, 5357.0, 5503.0, 5507.0, 5327.0, 5369.0, 5253.0, 5281.0, 5530.0, 5696.0, 5493.0, 5319.0, 5514.0, 5699.0, 5405.0, 5371.0, 5578.0, 5303.0, 5607.0, 5700.0, 5702.0, 5573.0, 5312.0, 5377.0, 5427.0, 5348.0, 5568.0, 5673.0, 5620.0, 5260.0, 5461.0, 5603.0, 5583.0, 5287.0, 5378.0, 5304.0, 5350.0, 5667.0, 5679.0, 5286.0, 5598.0, 5625.0, 5425.0, 5324.0, 5462.0, 5723.0, 5595.0, 5388.0, 5535.0, 5465.0, 5417.0 (number of hits: 5)
20	5500.0	9	1.0	333	1	5435.0, 5428.0, 5274.0, 5541.0, 5547.0, 5377.0, 5571.0, 5644.0, 5722.0, 5314.0, 5717.0, 5475.0, 5354.0, 5592.0, 5713.0, 5448.0, 5431.0, 5484.0, 5378.0, 5643.0, 5681.0, 5620.0, 5489.0, 5432.0, 5454.0, 5611.0, 5663.0, 5483.0, 5400.0, 5633.0, 5550.0, 5690.0, 5318.0, 5350.0, 5374.0, 5474.0, 5349.0, 5627.0, 5534.0, 5291.0, 5383.0, 5688.0, 5284.0, 5645.0, 5425.0, 5463.0, 5677.0, 5294.0, 5526.0, 5401.0, 5675.0, 5403.0, 5453.0, 5696.0, 5580.0, 5270.0, 5575.0, 5296.0, 5579.0, 5632.0, 5683.0, 5665.0, 5576.0, 5574.0, 5429.0, 5601.0, 5586.0, 5668.0, 5465.0, 5589.0, 5292.0, 5568.0, 5664.0, 5397.0, 5369.0, 5306.0, 5395.0, 5605.0, 5286.0, 5320.0, 5262.0, 5353.0, 5708.0, 5546.0, 5542.0, 5706.0, 5635.0, 5345.0, 5299.0, 5468.0, 5540.0, 5557.0, 5370.0, 5555.0, 5442.0, 5372.0, 5495.0, 5617.0,

						5561.0, 5640.0 (number of hits: 1)
21	5500.0	9	1.0	333	1	5560.0, 5511.0, 5428.0, 5270.0, 5423.0, 5682.0, 5718.0, 5543.0, 5360.0, 5546.0, 5259.0, 5547.0, 5512.0, 5602.0, 5464.0, 5300.0, 5598.0, 5466.0, 5358.0, 5483.0, 5624.0, 5376.0, 5659.0, 5392.0, 5347.0, 5319.0, 5362.0, 5642.0, 5611.0, 5402.0, 5616.0, 5385.0, 5491.0, 5603.0, 5641.0, 5415.0, 5656.0, 5316.0, 5588.0, 5587.0, 5381.0, 5573.0, 5365.0, 5260.0, 5389.0, 5477.0, 5696.0, 5499.0, 5320.0, 5626.0, 5359.0, 5497.0, 5509.0, 5704.0, 5500.0, 5474.0, 5647.0, 5349.0, 5686.0, 5463.0, 5398.0, 5265.0, 5410.0, 5569.0, 5660.0, 5321.0, 5419.0, 5295.0, 5317.0, 5676.0, 5323.0, 5621.0, 5341.0, 5387.0, 5709.0, 5322.0, 5343.0, 5272.0, 5254.0, 5667.0, 5537.0, 5540.0, 5562.0, 5564.0, 5689.0, 5292.0, 5533.0, 5579.0, 5690.0, 5617.0, 5680.0, 5608.0, 5695.0, 5520.0, 5311.0, 5355.0, 5703.0, 5502.0, 5720.0, 5702.0 (number of hits: 6)
22	5500.0	9	1.0	333	1	5570.0, 5658.0, 5497.0, 5546.0, 5357.0, 5472.0, 5305.0, 5562.0, 5435.0, 5582.0, 5423.0, 5469.0, 5255.0, 5259.0, 5656.0, 5649.0, 5508.0, 5679.0, 5481.0, 5552.0, 5648.0, 5451.0, 5408.0, 5621.0, 5578.0, 5588.0, 5488.0, 5258.0, 5473.0, 5567.0, 5382.0, 5309.0, 5329.0, 5558.0, 5262.0, 5313.0, 5453.0, 5443.0, 5466.0, 5689.0, 5528.0, 5261.0, 5537.0, 5706.0, 5336.0, 5531.0, 5584.0, 5547.0, 5500.0, 5428.0, 5625.0, 5683.0, 5285.0, 5454.0, 5278.0, 5663.0, 5604.0, 5645.0, 5693.0, 5452.0, 5633.0, 5272.0, 5353.0, 5568.0, 5332.0, 5433.0, 5714.0, 5459.0, 5364.0, 5715.0, 5478.0, 5660.0, 5643.0, 5431.0, 5703.0, 5361.0, 5505.0, 5631.0, 5513.0, 5366.0, 5456.0, 5673.0, 5445.0, 5579.0, 5432.0, 5595.0, 5317.0, 5637.0, 5713.0, 5289.0, 5339.0, 5541.0, 5442.0, 5324.0, 5265.0, 5412.0, 5628.0, 5312.0, 5492.0, 5292.0 (number of hits: 5)
23	5500.0	9	1.0	333	1	5351.0, 5373.0, 5388.0, 5723.0, 5461.0, 5337.0, 5641.0, 5601.0, 5365.0, 5631.0, 5363.0, 5639.0, 5436.0, 5382.0, 5611.0, 5414.0, 5695.0, 5555.0, 5618.0, 5540.0, 5509.0, 5308.0, 5391.0, 5518.0, 5446.0, 5488.0, 5545.0, 5505.0, 5380.0, 5359.0, 5501.0, 5313.0, 5721.0, 5440.0, 5404.0, 5309.0, 5615.0, 5577.0, 5648.0, 5607.0, 5720.0, 5401.0, 5708.0, 5422.0, 5325.0, 5694.0, 5369.0, 5581.0, 5319.0, 5389.0, 5290.0, 5259.0, 5456.0, 5454.0, 5257.0, 5698.0, 5315.0, 5284.0, 5438.0, 5371.0, 5594.0, 5462.0, 5288.0, 5683.0, 5559.0, 5418.0, 5650.0, 5644.0, 5486.0, 5403.0, 5504.0, 5645.0, 5527.0, 5302.0, 5572.0, 5295.0, 5377.0, 5437.0, 5575.0, 5492.0, 5561.0, 5612.0, 5563.0, 5463.0, 5600.0, 5272.0, 5277.0, 5652.0, 5358.0, 5441.0, 5264.0, 5451.0, 5423.0, 5591.0, 5604.0, 5547.0, 5265.0, 5435.0, 5548.0, 5667.0 (number of hits: 5)
24	5500.0	9	1.0	333	1	5722.0, 5552.0, 5280.0, 5603.0, 5258.0, 5545.0, 5670.0, 5607.0, 5719.0, 5496.0, 5643.0, 5335.0, 5637.0, 5319.0, 5510.0, 5461.0, 5298.0, 5410.0, 5482.0, 5381.0, 5499.0, 5425.0, 5293.0, 5617.0, 5662.0, 5671.0, 5449.0, 5683.0, 5441.0, 5597.0, 5642.0, 5638.0, 5398.0, 5644.0, 5464.0, 5665.0, 5595.0, 5418.0, 5704.0, 5432.0, 5602.0, 5560.0, 5253.0, 5440.0, 5523.0, 5400.0, 5604.0, 5667.0, 5664.0, 5707.0, 5320.0, 5279.0, 5300.0, 5585.0, 5538.0, 5352.0, 5596.0, 5567.0, 5534.0, 5702.0, 5332.0, 5688.0, 5359.0, 5340.0, 5357.0, 5609.0, 5355.0, 5383.0, 5423.0, 5498.0, 5448.0, 5524.0, 5271.0, 5655.0, 5376.0, 5539.0, 5619.0, 5380.0, 5506.0, 5386.0, 5583.0, 5431.0, 5438.0, 5384.0, 5446.0, 5406.0, 5553.0, 5407.0, 5502.0, 5640.0, 5403.0, 5354.0, 5466.0, 5636.0, 5424.0, 5346.0, 5577.0, 5544.0, 5321.0, 5548.0 (number of hits: 5)

25	5500.0	9	1.0	333	1	5341.0, 5495.0, 5386.0, 5617.0, 5355.0, 5626.0, 5384.0, 5440.0, 5563.0, 5319.0, 5453.0, 5699.0, 5352.0, 5318.0, 5468.0, 5644.0, 5432.0, 5556.0, 5416.0, 5685.0, 5500.0, 5408.0, 5255.0, 5510.0, 5642.0, 5462.0, 5698.0, 5358.0, 5598.0, 5317.0, 5693.0, 5664.0, 5469.0, 5413.0, 5651.0, 5393.0, 5525.0, 5254.0, 5559.0, 5443.0, 5527.0, 5692.0, 5396.0, 5268.0, 5417.0, 5542.0, 5337.0, 5522.0, 5600.0, 5287.0, 5609.0, 5290.0, 5592.0, 5285.0, 5678.0, 5456.0, 5717.0, 5574.0, 5683.0, 5289.0, 5350.0, 5291.0, 5531.0, 5364.0, 5691.0, 5633.0, 5682.0, 5411.0, 5613.0, 5506.0, 5545.0, 5418.0, 5550.0, 5266.0, 5632.0, 5668.0, 5653.0, 5557.0, 5579.0, 5676.0, 5610.0, 5713.0, 5665.0, 5260.0, 5705.0, 5339.0, 5571.0, 5489.0, 5303.0, 5518.0, 5534.0, 5648.0, 5596.0, 5650.0, 5580.0, 5573.0, 5694.0, 5332.0, 5304.0, 5555.0 (number of hits: 3)
26	5500.0	9	1.0	333	1	5677.0, 5319.0, 5690.0, 5376.0, 5497.0, 5309.0, 5664.0, 5453.0, 5311.0, 5699.0, 5536.0, 5669.0, 5585.0, 5397.0, 5513.0, 5441.0, 5294.0, 5267.0, 5330.0, 5333.0, 5711.0, 5412.0, 5418.0, 5518.0, 5613.0, 5456.0, 5286.0, 5282.0, 5320.0, 5345.0, 5719.0, 5568.0, 5553.0, 5707.0, 5458.0, 5495.0, 5490.0, 5491.0, 5587.0, 5603.0, 5281.0, 5501.0, 5348.0, 5511.0, 5541.0, 5678.0, 5499.0, 5688.0, 5322.0, 5370.0, 5332.0, 5627.0, 5372.0, 5556.0, 5668.0, 5618.0, 5383.0, 5526.0, 5520.0, 5358.0, 5417.0, 5529.0, 5325.0, 5595.0, 5250.0, 5316.0, 5503.0, 5371.0, 5509.0, 5604.0, 5400.0, 5563.0, 5694.0, 5674.0, 5523.0, 5297.0, 5421.0, 5636.0, 5388.0, 5502.0, 5507.0, 5684.0, 5543.0, 5422.0, 5365.0, 5649.0, 5638.0, 5504.0, 5697.0, 5588.0, 5288.0, 5463.0, 5608.0, 5687.0, 5391.0, 5514.0, 5380.0, 5434.0, 5524.0, 5285.0 (number of hits: 11)
27	5500.0	9	1.0	333	1	5378.0, 5412.0, 5561.0, 5310.0, 5656.0, 5549.0, 5396.0, 5679.0, 5613.0, 5511.0, 5493.0, 5492.0, 5701.0, 5483.0, 5461.0, 5264.0, 5572.0, 5602.0, 5375.0, 5460.0, 5717.0, 5392.0, 5513.0, 5302.0, 5286.0, 5303.0, 5333.0, 5457.0, 5320.0, 5325.0, 5625.0, 5307.0, 5388.0, 5677.0, 5644.0, 5404.0, 5487.0, 5381.0, 5268.0, 5272.0, 5417.0, 5610.0, 5488.0, 5539.0, 5506.0, 5314.0, 5615.0, 5554.0, 5387.0, 5686.0, 5350.0, 5698.0, 5524.0, 5311.0, 5542.0, 5579.0, 5624.0, 5437.0, 5538.0, 5599.0, 5260.0, 5564.0, 5362.0, 5654.0, 5455.0, 5385.0, 5379.0, 5446.0, 5522.0, 5484.0, 5428.0, 5529.0, 5490.0, 5719.0, 5607.0, 5716.0, 5340.0, 5316.0, 5254.0, 5598.0, 5411.0, 5453.0, 5278.0, 5650.0, 5462.0, 5339.0, 5558.0, 5257.0, 5349.0, 5364.0, 5687.0, 5665.0, 5685.0, 5418.0, 5507.0, 5377.0, 5592.0, 5661.0, 5527.0, 5640.0 (number of hits: 5)
28	5500.0	9	1.0	333	1	5497.0, 5343.0, 5402.0, 5595.0, 5667.0, 5414.0, 5621.0, 5717.0, 5372.0, 5363.0, 5569.0, 5610.0, 5565.0, 5299.0, 5592.0, 5481.0, 5352.0, 5297.0, 5270.0, 5617.0, 5251.0, 5636.0, 5501.0, 5441.0, 5579.0, 5634.0, 5699.0, 5498.0, 5484.0, 5449.0, 5650.0, 5704.0, 5266.0, 5292.0, 5502.0, 5511.0, 5475.0, 5599.0, 5466.0, 5644.0, 5439.0, 5584.0, 5476.0, 5424.0, 5646.0, 5535.0, 5274.0, 5534.0, 5586.0, 5642.0, 5268.0, 5542.0, 5576.0, 5598.0, 5724.0, 5665.0, 5437.0, 5261.0, 5259.0, 5286.0, 5720.0, 5317.0, 5379.0, 5525.0, 5280.0, 5631.0, 5397.0, 5359.0, 5380.0, 5361.0, 5427.0, 5673.0, 5415.0, 5334.0, 5471.0, 5400.0, 5353.0, 5677.0, 5254.0, 5615.0, 5412.0, 5602.0, 5670.0, 5715.0, 5332.0, 5568.0, 5345.0, 5671.0, 5435.0, 5376.0, 5607.0, 5643.0, 5357.0, 5389.0, 5581.0, 5543.0, 5443.0, 5263.0, 5675.0, 5517.0 (number of hits: 4)
29	5500.0	9	1.0	333	1	5409.0, 5506.0, 5502.0, 5547.0, 5260.0, 5702.0, 5525.0,

						5635.0, 5520.0, 5287.0, 5427.0, 5691.0, 5698.0, 5646.0, 5602.0, 5653.0, 5353.0, 5315.0, 5708.0, 5671.0, 5637.0, 5338.0, 5317.0, 5320.0, 5511.0, 5424.0, 5393.0, 5357.0, 5332.0, 5678.0, 5310.0, 5312.0, 5361.0, 5440.0, 5669.0, 5613.0, 5403.0, 5352.0, 5605.0, 5675.0, 5428.0, 5504.0, 5568.0, 5333.0, 5664.0, 5713.0, 5456.0, 5255.0, 5588.0, 5269.0, 5341.0, 5684.0, 5347.0, 5376.0, 5384.0, 5276.0, 5564.0, 5673.0, 5402.0, 5694.0, 5388.0, 5339.0, 5654.0, 5363.0, 5445.0, 5364.0, 5425.0, 5518.0, 5473.0, 5670.0, 5390.0, 5655.0, 5580.0, 5658.0, 5659.0, 5668.0, 5634.0, 5720.0, 5416.0, 5722.0, 5553.0, 5591.0, 5343.0, 5349.0, 5323.0, 5486.0, 5551.0, 5638.0, 5367.0, 5336.0, 5468.0, 5319.0, 5258.0, 5449.0, 5641.0, 5719.0, 5342.0, 5623.0, 5660.0, 5543.0 (number of hits: 3)
30	5500.0	9	1.0	333	1	5657.0, 5530.0, 5374.0, 5315.0, 5440.0, 5380.0, 5482.0, 5320.0, 5622.0, 5299.0, 5467.0, 5448.0, 5292.0, 5647.0, 5641.0, 5383.0, 5277.0, 5435.0, 5336.0, 5274.0, 5276.0, 5643.0, 5477.0, 5674.0, 5424.0, 5334.0, 5449.0, 5439.0, 5624.0, 5517.0, 5576.0, 5638.0, 5570.0, 5614.0, 5613.0, 5405.0, 5581.0, 5376.0, 5304.0, 5593.0, 5260.0, 5627.0, 5497.0, 5713.0, 5400.0, 5301.0, 5621.0, 5468.0, 5370.0, 5472.0, 5714.0, 5556.0, 5273.0, 5645.0, 5572.0, 5524.0, 5509.0, 5494.0, 5588.0, 5531.0, 5471.0, 5314.0, 5309.0, 5487.0, 5632.0, 5438.0, 5272.0, 5667.0, 5470.0, 5265.0, 5319.0, 5436.0, 5675.0, 5515.0, 5573.0, 5355.0, 5416.0, 5414.0, 5327.0, 5286.0, 5392.0, 5495.0, 5326.0, 5633.0, 5700.0, 5480.0, 5280.0, 5387.0, 5550.0, 5389.0, 5381.0, 5716.0, 5252.0, 5348.0, 5388.0, 5328.0, 5410.0, 5715.0, 5446.0, 5605.0 (number of hits: 4)

**P2MP Mode
Cobalt Radio****5510 MHz, 40 MHz Bandwidth**

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	73.7 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	66.7 %	60%	Pass
Aggregate (Type1 to 4)	120	80.9 %	80%	Pass
Type 5	30	93.3 %	80%	Pass
Type 6	30	76.7 %	70%	Pass

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

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	81	1.0	658	1
2	59	1.0	898	1
3	89	1.0	598	1
4	78	1.0	678	1
5	61	1.0	878	1
6	58	1.0	918	1
7	70	1.0	758	1
8	72	1.0	738	1
9	86	1.0	618	1
10	99	1.0	538	1
11	76	1.0	698	1
12	18	1.0	3066	1
13	67	1.0	798	1
14	57	1.0	938	1
15	62	1.0	858	1
16	22	1.0	2454	1
17	26	1.0	2070	1
18	39	1.0	1364	1
19	18	1.0	3003	1
20	22	1.0	2431	1
21	56	1.0	955	1
22	20	1.0	2731	1
23	19	1.0	2812	1
24	23	1.0	2313	1
25	66	1.0	806	1
26	31	1.0	1754	1
27	41	1.0	1295	1
28	20	1.0	2705	1
29	40	1.0	1332	1
30	24	1.0	2205	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	26	2.6	172	1
2	26	2.3	189	1
3	26	2.0	196	1
4	23	1.2	230	1
5	23	1.2	161	1
6	27	2.9	155	1
7	26	2.4	177	0
8	25	2.2	184	0
9	25	4.9	221	1
10	27	4.2	174	1
11	23	4.7	190	0
12	28	3.1	170	1
13	25	1.5	219	1
14	29	2.9	171	0
15	28	3.0	204	1
16	25	1.9	186	0
17	23	1.0	228	1
18	29	3.9	190	1
19	27	4.3	151	1
20	29	4.8	203	1
21	24	4.7	229	0
22	28	1.2	228	1
23	26	4.6	198	0
24	24	4.7	193	1
25	25	2.3	210	1
26	25	2.8	223	0
27	27	4.7	167	1
28	23	2.9	229	1
29	25	4.3	198	1
30	26	1.3	172	1
Detection Percentage: 73.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	18	8.4	341	1
2	18	9.3	313	1
3	16	6.4	282	1
4	17	7.7	465	1
5	16	7.2	204	1
6	16	8.2	496	1
7	16	6.5	419	0
8	18	8.5	268	1
9	16	9.2	446	1
10	17	7.0	402	1
11	16	8.9	253	1
12	16	7.0	245	0
13	17	8.5	276	1
14	18	7.2	389	1
15	16	9.3	470	1
16	18	7.5	204	1
17	17	6.6	410	1
18	17	9.1	358	0
19	18	8.4	321	1
20	18	9.5	482	1
21	18	8.1	269	1
22	18	10.0	216	1
23	17	8.3	377	0
24	18	7.2	240	0
25	18	6.6	430	1
26	18	9.9	215	1
27	16	6.0	291	1
28	16	7.3	284	1
29	18	9.3	481	1
30	18	6.2	317	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	15	11.7	289	1
2	15	14.5	411	1
3	12	19.8	402	0
4	14	17.9	348	1
5	15	16.3	483	1
6	16	17.6	362	1
7	13	16.7	213	1
8	14	11.7	341	1
9	13	14.7	410	1
10	12	12.9	492	0
11	16	18.2	451	0
12	13	13.1	430	0
13	13	19.5	497	0
14	16	14.3	263	1
15	14	14.2	387	1
16	12	15.8	395	1
17	13	16.0	318	1
18	15	17.5	358	0
19	15	16.2	387	1
20	15	16.0	394	1
21	16	18.0	279	1
22	12	13.8	237	1
23	13	19.8	334	1
24	13	18.4	348	0
25	16	13.5	338	1
26	16	16.5	377	0
27	13	18.9	475	0
28	14	16.6	297	0
29	15	11.4	235	1
30	14	14.0	495	1
Detection Percentage: 66.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	0
3	5510.0	0
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5498.0	1
12	5499.0	1
13	5497.0	1
14	5496.0	1
15	5499.0	1
16	5496.0	1
17	5500.0	1
18	5496.0	1
19	5496.0	1
20	5496.0	1
21	5523.7	1
22	5525.3	1
23	5521.3	1
24	5524.9	1
25	5521.3	1
26	5521.3	1
27	5521.7	1
28	5525.3	1
29	5520.9	1
30	5523.3	1
Detection Percentage: 93.3 % (>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	5	61.7	1197	1597	0.168913	1
1	3	5	62.0	1814	1748	0.844671	
2	2	5	70.6	1981		1.830015	
3	1	5	93.1			2.379636	
4	2	5	66.6	1451		3.124047	
5	2	5	74.3	1251		3.687348	
6	1	5	84.0			4.239076	
7	3	5	52.2	1536	1641	4.665336	
8	2	5	99.8	1932		5.199964	
9	2	5	67.8	1015		5.760153	
10	3	5	89.1	1456	1384	6.408836	
11	1	5	76.1			7.057405	
12	3	5	67.0	1575	1675	7.787393	
13	3	5	77.3	1640	1552	8.220098	
14	1	5	92.2			8.966423	
15	1	5	59.7			9.522947	
16	2	5	53.1	1751		10.134869	
17	2	5	59.5	1617		11.152135	
18	2	5	88.6	1020		11.538680	

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	11	66.9	1511		0.034340	0
1	3	11	88.5	1800	1165	0.937558	
2	2	11	64.2	1600		1.832895	
3	2	11	73.7	1870		2.227895	
4	2	11	89.1	1543		2.840625	
5	2	11	91.3	1081		3.743785	
6	2	11	66.4	1771		3.952358	
7	1	11	83.7			4.698840	
8	2	11	80.7	1367		5.209224	
9	1	11	68.0			6.275675	
10	3	11	52.9	1066	1876	6.381563	
11	2	11	69.0	1366		7.151232	
12	1	11	79.1			7.673970	
13	1	11	99.0			8.747991	
14	2	11	54.5	1850		9.062800	
15	3	11	88.1	1104	1126	10.074343	
16	2	11	82.9	1800		10.635795	
17	3	11	82.5	1490	1310	11.201699	
18	2	11	68.2	1094		11.879466	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	71.9			0.323887	0
1	2	7	62.1	1267		0.799879	
2	2	7	99.8	1445		1.579077	
3	1	7	70.2			2.307089	
4	1	7	76.4			2.618252	
5	2	7	55.6	1441		3.709701	
6	2	7	89.8	1088		4.330265	
7	2	7	74.1	1323		4.669499	
8	3	7	60.3	1311	1454	5.610944	
9	2	7	78.8	1347		5.684778	
10	2	7	85.5	1957		6.326776	
11	2	7	85.8	1267		7.206123	
12	1	7	72.8			7.929986	
13	3	7	94.1	1469	1951	8.556516	

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	77.7	1972		0.209214	1
1	3	6	56.5	1856	1122	1.325320	
2	3	6	90.2	1300	1961	2.969199	
3	3	6	90.0	1706	1097	3.981366	
4	2	6	91.4	1472		5.320747	
5	2	6	72.2	1168		6.034855	
6	3	6	74.5	1816	1970	8.319003	
7	2	6	92.4	1246		8.496539	
8	1	6	86.1			9.881619	
9	3	6	95.5	1336	1198	11.571160	

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	14	96.1	1008		0.005678	1
1	1	14	72.8			1.748500	
2	2	14	89.6	1776		2.436653	
3	1	14	82.7			3.519947	
4	2	14	78.7	1027		4.463268	
5	1	14	51.8			5.214500	
6	2	14	83.8	1645		5.819585	
7	2	14	96.4	1154		7.193151	
8	2	14	71.5	1714		7.748271	
9	1	14	99.2			8.685141	
10	2	14	52.8	1723		9.993384	
11	2	14	95.4	1490		10.215234	
12	3	14	75.7	1380	1092	11.278308	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	83.9	1399	1277	0.781657	1
1	2	13	70.9	1321		1.541443	
2	2	13	61.7	1768		3.181395	
3	3	13	52.7	1542	1171	4.995827	
4	2	13	61.2	1569		5.675358	
5	3	13	87.6	1551	1332	6.960785	
6	1	13	85.8			8.115084	
7	3	13	66.3	1224	1953	10.039227	
8	2	13	66.2	1384		11.783974	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	67.9	1821	1428	0.623127	1
1	2	13	97.1	1759		1.239379	
2	2	13	55.2	1038		1.472340	
3	2	13	93.9	1172		2.562309	
4	2	13	84.5	1720		2.981531	
5	1	13	62.8			3.854057	
6	2	13	68.4	1356		4.149349	
7	2	13	88.6	1644		5.245873	
8	3	13	69.6	1486	1826	5.345113	
9	1	13	89.0			6.473648	
10	1	13	56.3			7.082678	
11	3	13	65.4	1629	1698	7.883039	
12	2	13	66.4	1041		8.243790	
13	1	13	61.6			9.057286	
14	1	13	81.6			9.685189	
15	1	13	54.3			10.301873	
16	1	13	80.3			10.684102	
17	2	13	62.2	1875		11.993539	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	96.4	1395		0.368631	1
1	3	8	70.6	1087	1242	1.255980	
2	1	8	97.2			1.382228	
3	2	8	98.3	1174		2.598152	
4	1	8	85.2			2.735890	
5	3	8	84.9	1611	1003	3.433283	
6	1	8	95.2			4.517168	
7	2	8	68.2	1971		5.201846	
8	2	8	77.0	1907		5.505981	
9	2	8	65.5	1580		6.277703	
10	1	8	72.0			7.273126	
11	2	8	50.8	1827		7.496584	
12	2	8	81.5	1923		8.574086	
13	1	8	53.4			8.685505	
14	3	8	76.3	1944	1231	9.561871	
15	3	8	75.5	1287	1768	10.345691	
16	2	8	53.7	1665		10.941365	
17	2	8	80.7	1823		11.832228	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	74.3	1347		0.643491	1
1	2	12	84.7	1150		1.505771	
2	3	12	52.7	1627	1874	1.847845	
3	2	12	52.3	1459		2.442443	
4	2	12	93.5	1534		3.573335	
5	1	12	95.4			4.364612	
6	2	12	90.1	1043		5.310736	
7	3	12	66.0	1005	1802	5.994484	
8	1	12	75.8			7.087241	
9	1	12	60.9			7.610018	
10	2	12	62.5	1292		8.628917	
11	3	12	82.4	1799	1625	8.805913	
12	2	12	72.7	1108		10.243300	
13	3	12	52.4	1558	1624	10.659891	
14	2	12	72.7	1040		11.602798	

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	12	71.6	1794		0.348447	1
1	2	12	87.9	1599		1.467318	
2	2	12	71.6	1953		2.308476	
3	3	12	60.3	1821	1768	3.110215	
4	1	12	86.3			3.413862	
5	2	12	82.6	1941		4.198890	
6	2	12	87.9	1925		4.875265	
7	2	12	86.3	1703		6.390768	
8	3	12	78.9	1939	1832	6.481808	
9	2	12	62.8	1327		7.635293	
10	2	12	59.0	1245		8.684472	
11	2	12	70.2	1584		9.238088	
12	2	12	75.3	1433		10.363868	
13	1	12	95.4			11.162299	
14	1	12	52.3			11.908334	

Bin5 Statistics 11

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

Bin5 Statistics 12

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

Bin5 Statistics 13

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

Bin5 Statistics 14

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

Bin5 Statistics 15

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

Bin5 Statistics 16

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

Bin5 Statistics 17

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

Bin5 Statistics 18

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

Bin5 Statistics 19

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

Bin5 Statistics 20

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

Bin5 Statistics 21

Trial #	Pulse	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	63.5			0.283482	1
1	2	12	91.5	1949		0.672174	
2	1	12	52.7			1.364980	
3	1	12	91.1			2.632115	
4	2	12	63.7	1699		3.170506	
5	3	12	80.6	1568	1729	3.491603	
6	3	12	54.7	1489	1554	4.229711	
7	1	12	68.6			5.005898	
8	1	12	65.8			5.633034	
9	3	12	52.7	1733	1076	6.158482	
10	2	12	73.1	1282		7.297643	
11	2	12	96.0	1860		7.944369	
12	2	12	83.5	1760		8.250063	
13	3	12	71.6	1091	1795	8.990535	
14	3	12	54.2	1608	1860	9.767488	
15	1	12	97.6			10.222031	
16	3	12	50.5	1364	1134	11.293653	
17	3	12	52.2	1004	1992	11.668281	

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	3	8	96.1	1737	1531	0.171141	0
1	3	8	68.2	1061	1438	1.192960	
2	3	8	82.1	1196	1298	1.599947	
3	2	8	65.9	1737		1.899056	
4	2	8	68.7	1869		3.146745	
5	2	8	80.4	1516		3.295584	
6	1	8	80.0			4.051596	
7	1	8	72.1			4.559422	
8	2	8	75.9	1594		5.510065	
9	1	8	99.1			6.021605	
10	2	8	84.3	1671		6.419988	
11	3	8	66.1	1499	1979	7.128317	
12	1	8	63.0			7.966695	
13	2	8	84.2	1792		8.249798	
14	2	8	67.7	1030		9.093011	
15	3	8	73.1	1172	1101	9.964648	
16	2	8	60.7	1985		10.480625	
17	2	8	73.6	1373		11.147507	
18	2	8	94.7	1625		11.657349	

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	18	78.0	1437		0.023941	1
1	1	18	74.7			1.039673	
2	3	18	96.5	1654	1331	1.789776	
3	1	18	80.4			3.102515	
4	2	18	72.0	1993		4.175036	
5	1	18	87.4			5.044592	
6	3	18	86.3	1210	1709	5.634781	
7	3	18	77.0	1671	1014	6.472037	
8	3	18	57.3	1005	1080	7.123731	
9	2	18	56.1	1657		8.417140	
10	3	18	65.4	1812	1088	8.831173	
11	3	18	57.2	1120	1084	10.136184	
12	1	18	81.0			11.118577	
13	2	18	93.3	1357		11.876751	

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	9	81.7	1789		0.220658	1
1	2	9	78.4	1780		1.333525	
2	1	9	56.2			2.061091	
3	1	9	93.8			2.954616	
4	1	9	76.1			3.289429	
5	2	9	73.8	1437		4.100758	
6	1	9	86.7			4.810683	
7	1	9	93.4			5.259016	
8	1	9	77.4			6.599984	
9	2	9	90.6	1018		6.806615	
10	3	9	88.0	1907	1102	8.060573	
11	2	9	93.6	1308		8.844034	
12	1	9	79.1			9.507177	
13	1	9	88.2			10.484501	
14	3	9	53.4	1421	1586	10.875454	
15	3	9	93.9	1927	1977	11.991077	

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	18	96.4			0.294243	1
1	2	18	51.2	1898		1.405201	
2	3	18	61.3	1410	1354	2.215801	
3	2	18	92.8	1667		4.118772	
4	2	18	94.3	1866		4.837040	
5	1	18	70.6			5.526217	
6	1	18	59.0			6.845505	
7	3	18	50.2	1974	1621	8.317251	
8	1	18	58.5			9.520360	
9	1	18	92.9			10.672632	
10	3	18	79.4	1292	1988	11.641076	

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	18	68.2	1661		0.480967	1
1	3	18	51.8	1937	1811	0.917973	
2	3	18	65.9	1632	1584	1.833982	
3	1	18	70.3			3.111564	
4	2	18	89.5	1318		4.038659	
5	2	18	90.0	1747		4.726018	
6	1	18	96.3			5.592952	
7	3	18	60.1	1110	1788	6.440884	
8	3	18	52.4	1887	1584	7.347441	
9	2	18	79.8	1510		8.158602	
10	3	18	97.5	1298	1282	8.652248	
11	1	18	77.9			9.790851	
12	3	18	86.7	1561	1902	11.101713	
13	3	18	82.2	1682	1280	11.991895	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	54.0	1880		0.595931	1
1	2	17	65.8	1739		1.568453	
2	1	17	95.9			3.204128	
3	2	17	96.4	1879		4.000516	
4	2	17	70.6	1057		6.395932	
5	2	17	99.8	1852		7.745035	
6	2	17	70.7	1896		8.630316	
7	2	17	70.9	1708		9.531460	
8	2	17	64.6	1990		11.504077	

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	8	63.5	1730		0.712623	1
1	1	8	59.4			0.958359	
2	2	8	95.9	1065		2.672632	
3	2	8	65.8	1970		3.282354	
4	1	8	90.5			3.841764	
5	2	8	60.9	1573		5.426986	
6	2	8	73.1	1543		6.107647	
7	3	8	86.3	1265	1971	6.725617	
8	3	8	78.4	1756	1691	7.867492	
9	1	8	81.9			8.572598	
10	1	8	89.2			9.262444	
11	3	8	80.7	1997	1397	10.402892	
12	2	8	80.2	1122		11.820328	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	97.3	1637	1534	0.601950	1
1	3	19	76.9	1866	1754	1.629740	
2	1	19	55.0			2.357105	
3	2	19	80.5	1273		3.271990	
4	1	19	92.4			4.072560	
5	3	19	51.9	1580	1012	4.385620	
6	2	19	64.8	1319		5.486094	
7	3	19	88.6	1211	1513	6.694991	
8	2	19	92.5	1333		7.292280	
9	2	19	97.6	1419		7.877874	
10	3	19	87.0	1179	1429	8.728338	
11	3	19	82.4	1394	1853	9.840245	
12	2	19	57.2	1273		10.688981	
13	2	19	51.6	1126		11.652198	

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	90.3	1919		0.290169	1
1	2	13	68.6	1225		1.727455	
2	3	13	99.7	1136	1591	2.834275	
3	3	13	63.9	1086	1476	3.671682	
4	2	13	83.2	1122		4.564834	
5	2	13	55.8	1291		5.283090	
6	2	13	52.9	1781		6.853236	
7	2	13	60.2	1464		7.914530	
8	2	13	54.5	1153		8.811763	
9	3	13	85.0	1348	1536	9.737249	
10	2	13	79.4	1365		10.279524	
11	1	13	94.0			11.121891	

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	5694.0, 5473.0, 5713.0, 5675.0, 5613.0, 5648.0, 5696.0, 5662.0, 5269.0, 5292.0, 5341.0, 5311.0, 5526.0, 5467.0, 5424.0, 5374.0, 5345.0, 5651.0, 5409.0, 5360.0, 5698.0, 5254.0, 5280.0, 5492.0, 5507.0, 5260.0, 5313.0, 5412.0, 5503.0, 5561.0, 5452.0, 5667.0, 5307.0, 5378.0, 5563.0, 5624.0, 5300.0, 5461.0, 5295.0, 5271.0, 5275.0, 5474.0, 5571.0, 5677.0, 5549.0, 5445.0, 5520.0, 5606.0, 5721.0, 5422.0, 5678.0, 5428.0, 5437.0, 5718.0, 5299.0, 5450.0, 5592.0, 5553.0, 5672.0, 5363.0, 5625.0, 5633.0, 5354.0, 5289.0, 5504.0, 5396.0, 5670.0, 5457.0, 5351.0, 5720.0, 5434.0, 5435.0, 5256.0, 5610.0, 5706.0, 5262.0, 5547.0, 5704.0, 5466.0, 5572.0, 5366.0, 5362.0, 5595.0, 5641.0, 5478.0, 5442.0, 5596.0, 5539.0, 5528.0, 5353.0, 5488.0, 5603.0, 5552.0, 5712.0, 5716.0, 5577.0, 5719.0, 5658.0, 5326.0, 5380.0 (number of hits: 7)
2	5510.0	9	1.0	333	1	5620.0, 5679.0, 5481.0, 5513.0, 5341.0, 5562.0, 5263.0, 5430.0, 5384.0, 5396.0, 5288.0, 5389.0, 5380.0, 5709.0, 5296.0, 5671.0, 5362.0, 5433.0, 5684.0, 5393.0, 5630.0, 5713.0, 5462.0, 5695.0, 5361.0, 5441.0, 5394.0, 5600.0, 5672.0, 5668.0, 5379.0, 5488.0, 5480.0, 5326.0, 5369.0, 5270.0, 5355.0, 5550.0, 5721.0, 5327.0, 5260.0, 5374.0, 5397.0, 5413.0, 5483.0, 5336.0, 5439.0, 5516.0, 5553.0, 5543.0, 5312.0, 5297.0, 5707.0, 5629.0, 5353.0, 5489.0, 5698.0, 5655.0, 5611.0, 5358.0, 5265.0, 5314.0, 5305.0, 5586.0, 5530.0, 5503.0, 5258.0, 5364.0, 5538.0, 5607.0, 5534.0, 5460.0, 5437.0, 5605.0, 5673.0, 5601.0, 5440.0, 5420.0, 5409.0, 5548.0, 5558.0, 5704.0, 5329.0, 5414.0, 5276.0, 5618.0, 5518.0, 5544.0, 5452.0, 5410.0, 5474.0, 5338.0, 5724.0, 5337.0, 5701.0, 5373.0, 5257.0, 5552.0, 5469.0, 5688.0 (number of hits: 4)
3	5510.0	9	1.0	333	1	5537.0, 5394.0, 5575.0, 5378.0, 5595.0, 5713.0, 5687.0, 5272.0, 5373.0, 5570.0, 5602.0, 5680.0, 5400.0, 5618.0, 5652.0, 5395.0, 5589.0, 5674.0, 5641.0, 5650.0, 5604.0, 5293.0, 5386.0, 5359.0, 5331.0, 5503.0, 5714.0, 5642.0, 5388.0, 5377.0, 5419.0, 5601.0, 5515.0, 5341.0, 5551.0, 5414.0, 5321.0, 5367.0, 5630.0, 5620.0, 5664.0, 5719.0, 5659.0, 5703.0, 5328.0, 5585.0, 5315.0, 5375.0, 5723.0, 5413.0, 5340.0, 5707.0, 5467.0, 5267.0, 5317.0, 5352.0, 5379.0, 5329.0, 5313.0, 5505.0, 5717.0, 5480.0, 5501.0, 5598.0, 5276.0, 5358.0, 5290.0, 5422.0, 5649.0, 5651.0, 5696.0, 5722.0, 5660.0, 5721.0, 5257.0, 5531.0, 5263.0, 5368.0, 5475.0, 5403.0, 5415.0, 5692.0, 5270.0, 5530.0, 5625.0, 5423.0, 5361.0, 5490.0, 5279.0, 5401.0, 5376.0, 5374.0, 5644.0, 5591.0, 5284.0, 5562.0, 5571.0, 5464.0, 5255.0, 5466.0 (number of hits: 4)
4	5510.0	9	1.0	333	1	5341.0, 5700.0, 5450.0, 5597.0, 5691.0, 5540.0, 5604.0, 5521.0, 5327.0, 5631.0, 5587.0, 5655.0, 5646.0, 5461.0, 5421.0, 5585.0, 5579.0, 5491.0, 5524.0, 5511.0, 5695.0, 5668.0, 5642.0, 5451.0, 5653.0, 5317.0, 5347.0, 5645.0, 5513.0, 5648.0, 5366.0, 5699.0, 5707.0, 5361.0, 5338.0, 5632.0, 5261.0, 5555.0, 5465.0, 5671.0, 5629.0, 5542.0, 5589.0, 5418.0, 5469.0, 5715.0, 5319.0, 5345.0, 5551.0, 5422.0, 5494.0, 5433.0, 5719.0, 5602.0, 5360.0, 5388.0, 5365.0, 5550.0, 5378.0, 5302.0, 5484.0, 5473.0, 5580.0, 5672.0, 5692.0, 5362.0, 5548.0, 5624.0, 5660.0, 5455.0,

						5260.0, 5489.0, 5257.0, 5475.0, 5656.0, 5459.0, 5373.0, 5284.0, 5481.0, 5285.0, 5507.0, 5534.0, 5311.0, 5658.0, 5406.0, 5582.0, 5416.0, 5592.0, 5439.0, 5687.0, 5401.0, 5363.0, 5539.0, 5289.0, 5625.0, 5678.0, 5480.0, 5515.0, 5457.0, 5639.0 (number of hits: 8)
5	5510.0	9	1.0	333	1	5560.0, 5268.0, 5349.0, 5350.0, 5425.0, 5355.0, 5391.0, 5654.0, 5678.0, 5346.0, 5722.0, 5314.0, 5496.0, 5410.0, 5720.0, 5724.0, 5294.0, 5433.0, 5721.0, 5524.0, 5462.0, 5655.0, 5499.0, 5308.0, 5495.0, 5596.0, 5557.0, 5418.0, 5618.0, 5332.0, 5309.0, 5368.0, 5598.0, 5646.0, 5256.0, 5358.0, 5693.0, 5455.0, 5448.0, 5313.0, 5590.0, 5442.0, 5659.0, 5553.0, 5291.0, 5702.0, 5464.0, 5644.0, 5384.0, 5295.0, 5262.0, 5562.0, 5649.0, 5287.0, 5267.0, 5489.0, 5637.0, 5556.0, 5466.0, 5344.0, 5651.0, 5411.0, 5393.0, 5565.0, 5293.0, 5266.0, 5282.0, 5638.0, 5700.0, 5664.0, 5584.0, 5470.0, 5567.0, 5378.0, 5398.0, 5605.0, 5534.0, 5327.0, 5303.0, 5453.0, 5705.0, 5566.0, 5416.0, 5290.0, 5600.0, 5366.0, 5471.0, 5684.0, 5548.0, 5513.0, 5486.0, 5381.0, 5627.0, 5595.0, 5577.0, 5377.0, 5514.0, 5375.0, 5274.0, 5482.0 (number of hits: 6)
6	5510.0	9	1.0	333	1	5252.0, 5443.0, 5718.0, 5712.0, 5708.0, 5626.0, 5471.0, 5375.0, 5520.0, 5565.0, 5434.0, 5515.0, 5322.0, 5363.0, 5324.0, 5605.0, 5648.0, 5433.0, 5255.0, 5717.0, 5657.0, 5352.0, 5526.0, 5292.0, 5490.0, 5722.0, 5695.0, 5691.0, 5598.0, 5347.0, 5345.0, 5385.0, 5308.0, 5529.0, 5554.0, 5362.0, 5503.0, 5685.0, 5261.0, 5405.0, 5290.0, 5534.0, 5295.0, 5714.0, 5540.0, 5447.0, 5609.0, 5610.0, 5278.0, 5613.0, 5504.0, 5658.0, 5320.0, 5498.0, 5481.0, 5664.0, 5478.0, 5333.0, 5277.0, 5452.0, 5580.0, 5315.0, 5281.0, 5702.0, 5341.0, 5288.0, 5575.0, 5343.0, 5591.0, 5455.0, 5349.0, 5359.0, 5360.0, 5637.0, 5619.0, 5560.0, 5581.0, 5551.0, 5656.0, 5690.0, 5547.0, 5304.0, 5301.0, 5286.0, 5329.0, 5350.0, 5383.0, 5651.0, 5699.0, 5396.0, 5337.0, 5312.0, 5486.0, 5376.0, 5585.0, 5582.0, 5489.0, 5643.0, 5502.0, 5589.0 (number of hits: 7)
7	5510.0	9	1.0	333	1	5591.0, 5394.0, 5352.0, 5458.0, 5568.0, 5518.0, 5335.0, 5577.0, 5699.0, 5490.0, 5695.0, 5635.0, 5646.0, 5723.0, 5717.0, 5417.0, 5670.0, 5663.0, 5576.0, 5296.0, 5641.0, 5562.0, 5589.0, 5721.0, 5251.0, 5620.0, 5525.0, 5713.0, 5300.0, 5368.0, 5535.0, 5604.0, 5280.0, 5718.0, 5651.0, 5540.0, 5373.0, 5628.0, 5451.0, 5514.0, 5323.0, 5269.0, 5358.0, 5719.0, 5707.0, 5438.0, 5468.0, 5294.0, 5499.0, 5580.0, 5570.0, 5658.0, 5575.0, 5524.0, 5592.0, 5542.0, 5647.0, 5278.0, 5404.0, 5273.0, 5610.0, 5472.0, 5412.0, 5701.0, 5700.0, 5298.0, 5508.0, 5684.0, 5574.0, 5539.0, 5442.0, 5393.0, 5675.0, 5487.0, 5529.0, 5446.0, 5250.0, 5712.0, 5279.0, 5392.0, 5332.0, 5261.0, 5302.0, 5563.0, 5337.0, 5396.0, 5289.0, 5426.0, 5284.0, 5299.0, 5551.0, 5619.0, 5306.0, 5429.0, 5377.0, 5608.0, 5281.0, 5395.0, 5513.0, 5314.0 (number of hits: 7)
8	5510.0	9	1.0	333	1	5582.0, 5658.0, 5419.0, 5414.0, 5369.0, 5578.0, 5695.0, 5617.0, 5402.0, 5668.0, 5565.0, 5329.0, 5445.0, 5404.0, 5662.0, 5365.0, 5611.0, 5539.0, 5476.0, 5401.0, 5308.0, 5391.0, 5480.0, 5379.0, 5366.0, 5301.0, 5314.0, 5511.0, 5319.0, 5437.0, 5266.0, 5306.0, 5384.0, 5591.0, 5577.0, 5558.0, 5624.0, 5459.0, 5605.0, 5447.0, 5292.0, 5380.0, 5358.0, 5386.0, 5550.0, 5288.0, 5678.0, 5572.0, 5321.0, 5433.0, 5522.0, 5253.0, 5682.0, 5517.0, 5551.0, 5291.0, 5297.0, 5467.0, 5704.0, 5443.0, 5575.0, 5455.0, 5489.0, 5339.0, 5600.0, 5335.0, 5659.0, 5305.0, 5610.0, 5474.0, 5280.0, 5586.0, 5399.0, 5615.0, 5343.0, 5456.0, 5410.0,

						5364.0, 5720.0, 5671.0, 5529.0, 5679.0, 5614.0, 5265.0, 5273.0, 5333.0, 5549.0, 5255.0, 5688.0, 5350.0, 5267.0, 5560.0, 5372.0, 5642.0, 5531.0, 5303.0, 5609.0, 5660.0, 5351.0, 5597.0 (number of hits: 3)
9	5510.0	9	1.0	333	1	5723.0, 5426.0, 5604.0, 5263.0, 5499.0, 5656.0, 5487.0, 5290.0, 5327.0, 5326.0, 5532.0, 5632.0, 5593.0, 5607.0, 5396.0, 5635.0, 5452.0, 5677.0, 5668.0, 5257.0, 5358.0, 5349.0, 5431.0, 5527.0, 5394.0, 5681.0, 5373.0, 5609.0, 5380.0, 5299.0, 5576.0, 5403.0, 5570.0, 5443.0, 5383.0, 5366.0, 5401.0, 5310.0, 5539.0, 5372.0, 5639.0, 5642.0, 5716.0, 5617.0, 5722.0, 5305.0, 5419.0, 5664.0, 5493.0, 5657.0, 5415.0, 5413.0, 5673.0, 5507.0, 5700.0, 5406.0, 5683.0, 5506.0, 5586.0, 5344.0, 5319.0, 5335.0, 5470.0, 5623.0, 5489.0, 5724.0, 5559.0, 5625.0, 5619.0, 5460.0, 5361.0, 5510.0, 5448.0, 5386.0, 5328.0, 5483.0, 5520.0, 5645.0, 5477.0, 5463.0, 5708.0, 5661.0, 5626.0, 5374.0, 5311.0, 5434.0, 5652.0, 5504.0, 5528.0, 5475.0, 5542.0, 5433.0, 5694.0, 5488.0, 5719.0, 5423.0, 5601.0, 5252.0, 5457.0, 5706.0 (number of hits: 9)
10	5510.0	9	1.0	333	1	5620.0, 5327.0, 5373.0, 5316.0, 5646.0, 5683.0, 5382.0, 5269.0, 5658.0, 5295.0, 5454.0, 5471.0, 5328.0, 5403.0, 5307.0, 5656.0, 5553.0, 5587.0, 5535.0, 5262.0, 5633.0, 5339.0, 5468.0, 5590.0, 5573.0, 5560.0, 5642.0, 5514.0, 5398.0, 5651.0, 5302.0, 5274.0, 5623.0, 5593.0, 5652.0, 5459.0, 5427.0, 5488.0, 5716.0, 5491.0, 5671.0, 5682.0, 5707.0, 5495.0, 5457.0, 5516.0, 5521.0, 5572.0, 5551.0, 5546.0, 5611.0, 5681.0, 5276.0, 5348.0, 5482.0, 5704.0, 5714.0, 5467.0, 5394.0, 5338.0, 5358.0, 5609.0, 5614.0, 5643.0, 5499.0, 5685.0, 5699.0, 5543.0, 5310.0, 5556.0, 5279.0, 5512.0, 5451.0, 5530.0, 5463.0, 5359.0, 5341.0, 5350.0, 5692.0, 5492.0, 5362.0, 5523.0, 5465.0, 5419.0, 5377.0, 5407.0, 5538.0, 5450.0, 5661.0, 5456.0, 5513.0, 5484.0, 5579.0, 5613.0, 5408.0, 5363.0, 5490.0, 5397.0, 5486.0, 5585.0 (number of hits: 10)
11	5510.0	9	1.0	333	1	5311.0, 5415.0, 5672.0, 5587.0, 5594.0, 5425.0, 5398.0, 5405.0, 5368.0, 5542.0, 5340.0, 5607.0, 5544.0, 5577.0, 5643.0, 5616.0, 5626.0, 5329.0, 5714.0, 5698.0, 5559.0, 5663.0, 5608.0, 5502.0, 5568.0, 5713.0, 5649.0, 5327.0, 5469.0, 5511.0, 5470.0, 5688.0, 5715.0, 5641.0, 5363.0, 5297.0, 5265.0, 5462.0, 5722.0, 5514.0, 5625.0, 5558.0, 5532.0, 5604.0, 5510.0, 5471.0, 5527.0, 5567.0, 5269.0, 5664.0, 5660.0, 5322.0, 5437.0, 5270.0, 5459.0, 5357.0, 5692.0, 5615.0, 5602.0, 5689.0, 5579.0, 5384.0, 5556.0, 5600.0, 5695.0, 5331.0, 5553.0, 5538.0, 5251.0, 5360.0, 5633.0, 5593.0, 5531.0, 5303.0, 5399.0, 5301.0, 5389.0, 5536.0, 5524.0, 5489.0, 5342.0, 5472.0, 5391.0, 5605.0, 5390.0, 5566.0, 5318.0, 5374.0, 5585.0, 5287.0, 5309.0, 5344.0, 5278.0, 5465.0, 5377.0, 5677.0, 5298.0, 5361.0, 5720.0, 5290.0 (number of hits: 6)
12	5510.0	9	1.0	333	1	5368.0, 5668.0, 5502.0, 5641.0, 5684.0, 5578.0, 5630.0, 5386.0, 5512.0, 5486.0, 5371.0, 5463.0, 5503.0, 5370.0, 5291.0, 5342.0, 5597.0, 5693.0, 5403.0, 5274.0, 5566.0, 5461.0, 5332.0, 5671.0, 5327.0, 5686.0, 5366.0, 5683.0, 5301.0, 5622.0, 5674.0, 5538.0, 5555.0, 5458.0, 5714.0, 5435.0, 5316.0, 5469.0, 5667.0, 5395.0, 5666.0, 5306.0, 5443.0, 5355.0, 5514.0, 5277.0, 5465.0, 5544.0, 5258.0, 5380.0, 5695.0, 5401.0, 5657.0, 5720.0, 5702.0, 5698.0, 5554.0, 5524.0, 5509.0, 5346.0, 5271.0, 5338.0, 5348.0, 5595.0, 5382.0, 5264.0, 5397.0, 5462.0, 5428.0, 5425.0, 5356.0, 5672.0, 5377.0, 5448.0, 5427.0, 5628.0, 5508.0, 5358.0, 5580.0, 5330.0, 5619.0, 5635.0, 5445.0, 5352.0,

						5270.0, 5351.0, 5598.0, 5507.0, 5365.0, 5312.0, 5308.0, 5564.0, 5399.0, 5577.0, 5513.0, 5488.0, 5409.0, 5455.0, 5362.0, 5475.0 (number of hits: 9)
13	5510.0	9	1.0	333	0	
14	5510.0	9	1.0	333	0	
15	5510.0	9	1.0	333	1	5382.0, 5590.0, 5708.0, 5524.0, 5306.0, 5520.0, 5459.0, 5693.0, 5656.0, 5639.0, 5615.0, 5280.0, 5675.0, 5577.0, 5611.0, 5715.0, 5343.0, 5330.0, 5645.0, 5651.0, 5496.0, 5259.0, 5596.0, 5540.0, 5635.0, 5572.0, 5622.0, 5379.0, 5310.0, 5475.0, 5673.0, 5371.0, 5702.0, 5677.0, 5539.0, 5591.0, 5342.0, 5689.0, 5374.0, 5625.0, 5614.0, 5295.0, 5664.0, 5368.0, 5542.0, 5281.0, 5610.0, 5406.0, 5293.0, 5292.0, 5531.0, 5412.0, 5264.0, 5616.0, 5652.0, 5272.0, 5581.0, 5672.0, 5480.0, 5589.0, 5532.0, 5568.0, 5580.0, 5522.0, 5514.0, 5582.0, 5505.0, 5327.0, 5712.0, 5258.0, 5567.0, 5469.0, 5340.0, 5463.0, 5562.0, 5437.0, 5391.0, 5556.0, 5640.0, 5301.0, 5451.0, 5700.0, 5518.0, 5361.0, 5477.0, 5643.0, 5638.0, 5716.0, 5450.0, 5318.0, 5398.0, 5588.0, 5274.0, 5462.0, 5289.0, 5359.0, 5483.0, 5485.0, 5421.0, 5501.0 (number of hits: 8)
16	5510.0	9	1.0	333	1	5384.0, 5301.0, 5455.0, 5497.0, 5523.0, 5446.0, 5587.0, 5670.0, 5688.0, 5354.0, 5338.0, 5477.0, 5711.0, 5413.0, 5462.0, 5600.0, 5261.0, 5380.0, 5546.0, 5441.0, 5535.0, 5256.0, 5536.0, 5669.0, 5720.0, 5377.0, 5574.0, 5352.0, 5710.0, 5509.0, 5456.0, 5399.0, 5280.0, 5482.0, 5487.0, 5439.0, 5320.0, 5255.0, 5620.0, 5593.0, 5394.0, 5524.0, 5303.0, 5713.0, 5581.0, 5438.0, 5541.0, 5420.0, 5561.0, 5702.0, 5719.0, 5607.0, 5571.0, 5659.0, 5397.0, 5361.0, 5512.0, 5312.0, 5378.0, 5325.0, 5287.0, 5492.0, 5319.0, 5306.0, 5722.0, 5496.0, 5621.0, 5625.0, 5314.0, 5457.0, 5484.0, 5668.0, 5723.0, 5297.0, 5444.0, 5686.0, 5479.0, 5461.0, 5645.0, 5281.0, 5333.0, 5639.0, 5469.0, 5527.0, 5589.0, 5562.0, 5266.0, 5685.0, 5279.0, 5307.0, 5559.0, 5582.0, 5538.0, 5590.0, 5418.0, 5714.0, 5504.0, 5573.0, 5689.0, 5673.0 (number of hits: 9)
17	5510.0	9	1.0	333	1	5447.0, 5399.0, 5359.0, 5681.0, 5594.0, 5502.0, 5396.0, 5499.0, 5539.0, 5325.0, 5545.0, 5306.0, 5451.0, 5546.0, 5456.0, 5544.0, 5427.0, 5395.0, 5607.0, 5662.0, 5331.0, 5659.0, 5586.0, 5481.0, 5566.0, 5338.0, 5349.0, 5493.0, 5450.0, 5542.0, 5573.0, 5498.0, 5316.0, 5676.0, 5398.0, 5459.0, 5344.0, 5485.0, 5330.0, 5288.0, 5284.0, 5320.0, 5655.0, 5362.0, 5624.0, 5567.0, 5270.0, 5680.0, 5720.0, 5704.0, 5522.0, 5721.0, 5689.0, 5582.0, 5608.0, 5381.0, 5326.0, 5613.0, 5666.0, 5533.0, 5571.0, 5462.0, 5491.0, 5428.0, 5388.0, 5630.0, 5475.0, 5506.0, 5421.0, 5290.0, 5394.0, 5437.0, 5627.0, 5510.0, 5536.0, 5525.0, 5339.0, 5722.0, 5466.0, 5532.0, 5548.0, 5300.0, 5497.0, 5709.0, 5511.0, 5518.0, 5677.0, 5291.0, 5614.0, 5372.0, 5329.0, 5698.0, 5382.0, 5602.0, 5636.0, 5323.0, 5622.0, 5471.0, 5453.0, 5433.0 (number of hits: 12)
18	5510.0	9	1.0	333	0	
19	5510.0	9	1.0	333	0	
20	5510.0	9	1.0	333	0	
21	5510.0	9	1.0	333	0	
22	5510.0	9	1.0	333	1	5675.0, 5585.0, 5696.0, 5641.0, 5485.0, 5488.0, 5414.0, 5386.0, 5504.0, 5278.0, 5425.0, 5315.0, 5364.0, 5682.0, 5460.0, 5593.0, 5312.0, 5647.0, 5308.0, 5381.0, 5469.0, 5255.0, 5669.0, 5521.0, 5429.0, 5361.0, 5292.0, 5457.0, 5478.0, 5251.0, 5597.0, 5708.0, 5329.0, 5284.0, 5321.0, 5350.0, 5322.0, 5563.0, 5666.0, 5325.0, 5625.0, 5345.0, 5645.0, 5452.0, 5328.0, 5506.0, 5270.0, 5587.0, 5271.0,

						5334.0, 5443.0, 5256.0, 5632.0, 5555.0, 5511.0, 5546.0, 5707.0, 5372.0, 5320.0, 5470.0, 5313.0, 5694.0, 5541.0, 5412.0, 5526.0, 5263.0, 5589.0, 5252.0, 5493.0, 5701.0, 5344.0, 5326.0, 5684.0, 5306.0, 5385.0, 5572.0, 5295.0, 5532.0, 5576.0, 5342.0, 5332.0, 5338.0, 5631.0, 5721.0, 5487.0, 5261.0, 5265.0, 5547.0, 5674.0, 5510.0, 5302.0, 5351.0, 5501.0, 5358.0, 5411.0, 5293.0, 5719.0, 5515.0, 5621.0, 5661.0 (number of hits: 9)
23	5510.0	9	1.0	333	0	
24	5510.0	9	1.0	333	1	5581.0, 5690.0, 5615.0, 5450.0, 5656.0, 5282.0, 5532.0, 5286.0, 5627.0, 5460.0, 5573.0, 5684.0, 5332.0, 5438.0, 5354.0, 5448.0, 5328.0, 5407.0, 5363.0, 5624.0, 5641.0, 5562.0, 5313.0, 5401.0, 5349.0, 5637.0, 5570.0, 5279.0, 5263.0, 5356.0, 5618.0, 5433.0, 5519.0, 5304.0, 5504.0, 5560.0, 5550.0, 5471.0, 5544.0, 5601.0, 5371.0, 5299.0, 5621.0, 5513.0, 5323.0, 5324.0, 5413.0, 5614.0, 5709.0, 5606.0, 5720.0, 5699.0, 5626.0, 5583.0, 5702.0, 5635.0, 5316.0, 5551.0, 5628.0, 5665.0, 5630.0, 5605.0, 5526.0, 5273.0, 5308.0, 5292.0, 5574.0, 5468.0, 5397.0, 5710.0, 5482.0, 5454.0, 5312.0, 5553.0, 5517.0, 5511.0, 5668.0, 5592.0, 5669.0, 5567.0, 5255.0, 5431.0, 5262.0, 5297.0, 5458.0, 5617.0, 5600.0, 5578.0, 5499.0, 5509.0, 5283.0, 5451.0, 5271.0, 5481.0, 5706.0, 5525.0, 5294.0, 5538.0, 5287.0, 5444.0 (number of hits: 9)
25	5510.0	9	1.0	333	1	5579.0, 5570.0, 5322.0, 5350.0, 5334.0, 5399.0, 5309.0, 5404.0, 5251.0, 5574.0, 5562.0, 5294.0, 5413.0, 5527.0, 5344.0, 5437.0, 5566.0, 5630.0, 5364.0, 5317.0, 5444.0, 5549.0, 5704.0, 5532.0, 5442.0, 5627.0, 5330.0, 5518.0, 5611.0, 5343.0, 5323.0, 5395.0, 5544.0, 5383.0, 5537.0, 5512.0, 5667.0, 5618.0, 5552.0, 5270.0, 5623.0, 5600.0, 5363.0, 5543.0, 5272.0, 5407.0, 5519.0, 5504.0, 5613.0, 5351.0, 5724.0, 5651.0, 5507.0, 5677.0, 5558.0, 5542.0, 5414.0, 5649.0, 5714.0, 5298.0, 5295.0, 5469.0, 5252.0, 5595.0, 5328.0, 5385.0, 5510.0, 5686.0, 5459.0, 5415.0, 5584.0, 5358.0, 5661.0, 5708.0, 5291.0, 5695.0, 5411.0, 5608.0, 5716.0, 5719.0, 5435.0, 5329.0, 5316.0, 5263.0, 5464.0, 5605.0, 5467.0, 5318.0, 5424.0, 5516.0, 5546.0, 5376.0, 5697.0, 5528.0, 5354.0, 5569.0, 5663.0, 5514.0, 5337.0, 5345.0 (number of hits: 10)
26	5510.0	9	1.0	333	1	5427.0, 5487.0, 5523.0, 5529.0, 5321.0, 5636.0, 5696.0, 5359.0, 5594.0, 5611.0, 5692.0, 5365.0, 5481.0, 5300.0, 5645.0, 5488.0, 5256.0, 5398.0, 5450.0, 5284.0, 5348.0, 5602.0, 5438.0, 5489.0, 5277.0, 5593.0, 5452.0, 5627.0, 5559.0, 5403.0, 5440.0, 5392.0, 5672.0, 5548.0, 5502.0, 5331.0, 5416.0, 5517.0, 5293.0, 5695.0, 5280.0, 5409.0, 5519.0, 5557.0, 5541.0, 5478.0, 5603.0, 5441.0, 5715.0, 5549.0, 5443.0, 5379.0, 5356.0, 5475.0, 5667.0, 5648.0, 5303.0, 5422.0, 5697.0, 5305.0, 5680.0, 5651.0, 5581.0, 5384.0, 5685.0, 5310.0, 5506.0, 5420.0, 5528.0, 5551.0, 5570.0, 5275.0, 5599.0, 5304.0, 5448.0, 5271.0, 5491.0, 5332.0, 5397.0, 5610.0, 5393.0, 5527.0, 5282.0, 5700.0, 5474.0, 5572.0, 5504.0, 5297.0, 5380.0, 5413.0, 5664.0, 5682.0, 5319.0, 5553.0, 5683.0, 5710.0, 5709.0, 5431.0, 5625.0, 5287.0 (number of hits: 9)
27	5510.0	9	1.0	333	1	5523.0, 5388.0, 5663.0, 5498.0, 5418.0, 5472.0, 5682.0, 5548.0, 5414.0, 5588.0, 5250.0, 5310.0, 5285.0, 5518.0, 5574.0, 5371.0, 5538.0, 5702.0, 5453.0, 5449.0, 5586.0, 5465.0, 5270.0, 5597.0, 5274.0, 5255.0, 5557.0, 5283.0, 5282.0, 5558.0, 5415.0, 5265.0, 5278.0, 5289.0, 5563.0, 5288.0, 5447.0, 5552.0, 5300.0, 5256.0, 5413.0, 5301.0, 5393.0, 5693.0, 5564.0, 5587.0, 5423.0, 5470.0, 5433.0,

						5352.0, 5361.0, 5373.0, 5487.0, 5259.0, 5280.0, 5499.0, 5651.0, 5632.0, 5486.0, 5704.0, 5296.0, 5385.0, 5404.0, 5343.0, 5659.0, 5419.0, 5569.0, 5351.0, 5529.0, 5365.0, 5505.0, 5273.0, 5319.0, 5602.0, 5320.0, 5698.0, 5269.0, 5531.0, 5476.0, 5522.0, 5428.0, 5437.0, 5607.0, 5292.0, 5260.0, 5584.0, 5400.0, 5332.0, 5642.0, 5681.0, 5692.0, 5467.0, 5670.0, 5488.0, 5297.0, 5591.0, 5641.0, 5575.0, 5281.0, 5501.0 (number of hits: 7)
28	5510.0	9	1.0	333	1	5614.0, 5713.0, 5472.0, 5543.0, 5683.0, 5546.0, 5377.0, 5616.0, 5496.0, 5479.0, 5342.0, 5433.0, 5529.0, 5340.0, 5395.0, 5503.0, 5457.0, 5523.0, 5534.0, 5264.0, 5587.0, 5359.0, 5449.0, 5578.0, 5671.0, 5446.0, 5267.0, 5414.0, 5532.0, 5476.0, 5696.0, 5588.0, 5585.0, 5303.0, 5450.0, 5312.0, 5569.0, 5596.0, 5613.0, 5593.0, 5307.0, 5553.0, 5442.0, 5679.0, 5681.0, 5453.0, 5645.0, 5308.0, 5644.0, 5318.0, 5722.0, 5370.0, 5509.0, 5343.0, 5710.0, 5458.0, 5279.0, 5622.0, 5347.0, 5323.0, 5391.0, 5667.0, 5692.0, 5265.0, 5254.0, 5345.0, 5508.0, 5592.0, 5475.0, 5362.0, 5319.0, 5295.0, 5583.0, 5658.0, 5517.0, 5263.0, 5478.0, 5568.0, 5321.0, 5574.0, 5484.0, 5589.0, 5595.0, 5538.0, 5489.0, 5612.0, 5502.0, 5545.0, 5515.0, 5371.0, 5647.0, 5327.0, 5524.0, 5619.0, 5486.0, 5381.0, 5356.0, 5432.0, 5480.0, 5445.0 (number of hits: 9)
29	5510.0	9	1.0	333	1	5619.0, 5311.0, 5279.0, 5355.0, 5628.0, 5427.0, 5356.0, 5269.0, 5403.0, 5302.0, 5685.0, 5313.0, 5564.0, 5310.0, 5688.0, 5568.0, 5678.0, 5518.0, 5486.0, 5296.0, 5309.0, 5464.0, 5700.0, 5661.0, 5398.0, 5694.0, 5506.0, 5621.0, 5401.0, 5372.0, 5362.0, 5489.0, 5258.0, 5425.0, 5687.0, 5383.0, 5495.0, 5338.0, 5280.0, 5396.0, 5683.0, 5451.0, 5352.0, 5259.0, 5465.0, 5272.0, 5675.0, 5359.0, 5598.0, 5253.0, 5637.0, 5457.0, 5426.0, 5705.0, 5295.0, 5345.0, 5578.0, 5684.0, 5453.0, 5397.0, 5516.0, 5613.0, 5641.0, 5437.0, 5446.0, 5428.0, 5697.0, 5284.0, 5492.0, 5500.0, 5703.0, 5380.0, 5673.0, 5442.0, 5721.0, 5440.0, 5716.0, 5400.0, 5367.0, 5671.0, 5405.0, 5467.0, 5585.0, 5525.0, 5419.0, 5411.0, 5350.0, 5572.0, 5323.0, 5710.0, 5638.0, 5536.0, 5553.0, 5546.0, 5575.0, 5300.0, 5250.0, 5334.0, 5524.0, 5714.0 (number of hits: 8)
30	5510.0	9	1.0	333	1	5300.0, 5262.0, 5296.0, 5377.0, 5608.0, 5513.0, 5578.0, 5597.0, 5672.0, 5613.0, 5564.0, 5508.0, 5502.0, 5648.0, 5507.0, 5700.0, 5405.0, 5498.0, 5407.0, 5429.0, 5554.0, 5441.0, 5635.0, 5669.0, 5510.0, 5496.0, 5618.0, 5281.0, 5661.0, 5255.0, 5385.0, 5346.0, 5369.0, 5574.0, 5307.0, 5709.0, 5352.0, 5298.0, 5358.0, 5707.0, 5479.0, 5683.0, 5553.0, 5632.0, 5351.0, 5460.0, 5462.0, 5586.0, 5411.0, 5286.0, 5492.0, 5395.0, 5629.0, 5439.0, 5676.0, 5689.0, 5272.0, 5436.0, 5662.0, 5265.0, 5590.0, 5437.0, 5336.0, 5701.0, 5534.0, 5670.0, 5503.0, 5414.0, 5305.0, 5440.0, 5682.0, 5425.0, 5555.0, 5530.0, 5468.0, 5685.0, 5627.0, 5500.0, 5540.0, 5422.0, 5486.0, 5495.0, 5515.0, 5559.0, 5475.0, 5601.0, 5722.0, 5604.0, 5254.0, 5310.0, 5623.0, 5328.0, 5675.0, 5339.0, 5290.0, 5655.0, 5451.0, 5316.0, 5424.0, 5461.0 (number of hits: 12)

**P2MP Mode
Cobalt Radio****5530 MHz, 80 MHz Bandwidth**

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	76.7 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type 1 to 4)	120	85.0 %	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	67	1.0	798	1
2	95	1.0	558	1
3	62	1.0	858	1
4	81	1.0	658	1
5	99	1.0	538	1
6	83	1.0	638	1
7	18	1.0	3066	1
8	74	1.0	718	0
9	102	1.0	518	1
10	92	1.0	578	1
11	61	1.0	878	1
12	86	1.0	618	1
13	58	1.0	918	1
14	78	1.0	678	1
15	57	1.0	938	1
16	22	1.0	2406	1
17	45	1.0	1173	1
18	24	1.0	2282	1
19	68	1.0	781	1
20	94	1.0	566	1
21	98	1.0	542	1
22	49	1.0	1078	1
23	40	1.0	1331	1
24	28	1.0	1940	1
25	30	1.0	1794	1
26	71	1.0	750	1
27	33	1.0	1625	1
28	24	1.0	2227	1
29	30	1.0	1763	1
30	21	1.0	2547	1
Detection Percentage: 96.7 % (>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	23	4.6	212	1
2	29	1.9	206	1
3	29	1.9	196	1
4	27	2.4	180	0
5	23	3.1	215	1
6	23	2.0	178	1
7	23	4.2	174	1
8	29	4.5	151	1
9	28	1.0	182	1
10	25	2.0	156	1
11	23	2.0	170	1
12	28	4.8	202	1
13	29	3.8	152	1
14	29	2.7	215	1
15	24	1.7	158	1
16	24	4.3	181	1
17	26	4.6	194	1
18	27	2.1	211	1
19	29	1.5	162	1
20	25	1.2	154	1
21	27	3.5	195	1
22	25	3.6	168	1
23	28	4.6	169	1
24	23	1.7	157	1
25	29	4.0	165	1
26	26	1.8	162	0
27	27	3.7	173	1
28	24	1.0	183	1
29	27	2.5	198	0
30	24	2.9	198	1
Detection Percentage: 90 % (>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	7.4	265	0
2	18	9.4	333	0
3	16	7.5	481	0
4	17	9.5	247	0
5	18	9.3	485	0
6	16	6.7	413	1
7	16	8.2	341	1
8	16	8.2	245	1
9	16	8.8	495	1
10	17	6.0	224	1
11	18	7.8	465	1
12	16	6.1	327	1
13	17	8.7	220	1
14	16	6.0	335	1
15	16	9.3	331	1
16	18	9.3	482	1
17	17	9.0	202	1
18	17	8.7	468	1
19	16	7.6	293	1
20	18	6.2	404	1
21	18	9.5	403	1
22	16	9.2	253	1
23	18	6.0	409	1
24	16	9.7	485	0
25	17	9.7	434	1
26	18	7.7	469	1
27	17	9.9	336	1
28	18	9.0	414	0
29	18	8.6	209	1
30	18	7.4	357	1
Detection Percentage: 76.7 % (>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	16	355	1
2	12	11.3	487	1
3	13	13.5	344	1
4	16	19.4	288	1
5	15	17.5	230	1
6	14	15.3	432	1
7	14	15.9	207	1
8	13	14.3	443	0
9	14	15.8	439	0
10	12	11.5	223	0
11	15	17.4	208	1
12	16	19	463	1
13	14	16	441	1
14	13	13.8	323	0
15	16	18.9	297	0
16	14	15.5	412	0
17	16	19.9	324	1
18	13	14.1	271	1
19	14	15.2	349	1
20	13	13.8	409	1
21	15	17.1	373	1
22	13	13.8	254	1
23	16	19.8	274	1
24	14	15.3	278	1
25	13	14.5	317	0
26	12	11.3	260	1
27	15	17.3	211	1
28	16	19.2	272	1
29	13	14.2	264	1
30	15	18.2	284	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

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

Bin5 Statistics 1

Trial #	Pulse	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	98.8	1592		0.507952	1
1	1	16	59.7			1.204936	
2	2	16	63.7	1934		1.817750	
3	2	16	78.5	1295		2.922273	
4	1	16	56.0			3.251958	
5	3	16	69.8	1572	1036	4.064218	
6	1	16	77.6			5.213955	
7	3	16	93.4	1934	1853	5.347776	
8	2	16	71.6	1810		6.351916	
9	3	16	67.6	1638	1579	6.823434	
10	1	16	91.7			8.151484	
11	2	16	66.9	1416		8.719370	
12	1	16	88.3			9.482894	
13	3	16	50.4	1477	1733	10.408659	
14	2	16	55.7	1282		10.530023	
15	3	16	83.4	1990	1122	11.991962	

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	1	8	67.9			0.612486	1
1	2	8	98.8	1287		1.326825	
2	1	8	85.6			2.669227	
3	2	8	79.9	1375		3.685571	
4	2	8	71.3	1675		5.260898	
5	2	8	99.5	1941		5.461379	
6	2	8	90.1	1401		7.212209	
7	2	8	91.0	1596		8.647947	
8	3	8	96.9	1953	1871	9.293882	
9	3	8	74.8	1284	1425	10.373832	
10	3	8	68.8	1310	1971	11.071878	

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	11	85.2	1852	1032	0.389174	1
1	2	11	70.3	1864		1.209395	
2	1	11	96.2			1.910166	
3	2	11	57.7	1808		2.326239	
4	2	11	87.2	1845		3.159515	
5	2	11	57.3	1392		3.866859	
6	2	11	77.8	1241		4.480350	
7	2	11	52.6	1579		5.030036	
8	1	11	61.2			5.670113	
9	2	11	94.9	1088		6.516517	
10	1	11	77.9			7.023075	
11	1	11	74.4			7.582303	
12	2	11	71.2	1428		8.098335	
13	2	11	94.0	1967		9.212353	
14	1	11	69.8			9.830865	
15	3	11	79.8	1124	1402	10.347889	
16	1	11	60.5			10.830911	
17	1	11	96.7			11.448768	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	67.2	1089		0.668496	1
1	1	9	73.4			0.826396	
2	1	9	92.5			1.420184	
3	1	9	66.7			2.251758	
4	2	9	58.9	1049		3.269725	
5	3	9	94.5	1733	1853	3.539047	
6	2	9	66.4	1451		4.701432	
7	1	9	84.3			5.145420	
8	2	9	61.8	1330		5.916779	
9	2	9	79.6	1214		6.915324	
10	2	9	77.2	1746		7.102054	
11	2	9	93.9	1060		8.266640	
12	3	9	84.1	1945	1267	8.564008	
13	3	9	79.8	1067	1613	9.290186	
14	1	9	97.7			10.372007	
15	1	9	64.5			10.724270	
16	2	9	85.3	1718		11.565293	

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	8	58.9	1338		0.573527	1
1	3	8	50.5	1201	1875	0.813512	
2	2	8	54.1	1228		1.663929	
3	2	8	67.2	1776		2.448356	
4	1	8	53.1			2.899945	
5	2	8	88.2	1854		3.461729	
6	3	8	74.3	1873	1151	4.112632	
7	2	8	78.4	1235		4.658262	
8	2	8	57.3	1977		5.057917	
9	2	8	66.8	1974		6.267063	
10	3	8	58.7	1150	1643	6.622363	
11	3	8	66.1	1208	1030	7.227989	
12	3	8	96.3	1465	1279	8.077985	
13	2	8	94.7	1157		8.483610	
14	3	8	99.5	1936	1108	9.389975	
15	2	8	54.0	1596		9.909833	
16	2	8	54.2	1039		10.499894	
17	3	8	95.7	1578	1820	11.116917	
18	1	8	59.8			11.892933	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	75.7	1160	1262	0.703903	1
1	2	7	58.3	1880		1.540891	
2	2	7	83.4	1145		2.411032	
3	1	7	57.8			3.919718	
4	2	7	75.3	1815		4.260724	
5	2	7	66.7	1880		5.562799	
6	2	7	85.6	1241		6.586325	
7	2	7	72.4	1363		7.280127	
8	2	7	94.3	1411		8.852921	
9	2	7	63.2	1640		9.639440	
10	2	7	77.8	1008		10.024076	
11	1	7	63.1			11.636337	

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	10	71.3			0.630968	1
1	2	10	84.8	1712		1.057869	
2	2	10	92.1	1814		2.005710	
3	3	10	98.4	1067	1759	2.855025	
4	2	10	86.4	1749		3.402263	
5	3	10	54.0	1612	1859	4.330596	
6	3	10	50.7	1594	1618	5.213830	
7	2	10	64.0	1176		5.893876	
8	3	10	82.3	1515	1947	6.096073	
9	2	10	51.1	1099		6.969513	
10	3	10	64.8	1080	1025	7.609941	
11	2	10	52.8	1170		8.669706	
12	2	10	54.8	1978		9.467118	
13	1	10	84.5			10.070849	
14	2	10	68.7	1800		10.862691	
15	2	10	77.6	1318		11.636128	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	60.0	1224		0.576379	1
1	3	15	87.0	1627	1119	0.968328	
2	2	15	79.3	1521		2.086238	
3	2	15	59.0	1109		2.291961	
4	2	15	55.9	1409		3.151998	
5	2	15	76.8	1342		4.050225	
6	2	15	93.0	1634		4.766543	
7	1	15	54.2			5.087067	
8	3	15	95.9	1072	1333	6.219902	
9	1	15	81.0			6.457089	
10	2	15	81.5	1024		7.642119	
11	3	15	61.0	1522	1898	8.147800	
12	1	15	66.1			9.072675	
13	2	15	77.3	1013		9.749513	
14	3	15	90.6	1236	1921	10.463928	
15	1	15	77.6			10.766515	
16	2	15	90.0	1490		11.913304	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	76.5	1985	1544	0.126539	1
1	2	9	99.7	1176		1.376347	
2	2	9	60.9	1744		2.753548	
3	3	9	76.6	1102	1791	4.438294	
4	3	9	56.8	1585	1208	5.954346	
5	3	9	67.8	1196	1487	6.946463	
6	1	9	74.6			7.387916	
7	3	9	88.8	1336	1749	8.438354	
8	2	9	85.5	1482		10.110047	
9	2	9	72.8	1861		11.306815	

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	14	72.5	1566	1049	0.142132	1
1	1	14	58.6			1.083106	
2	3	14	63.1	1899	1308	2.003693	
3	2	14	76.2	1300		3.054221	
4	3	14	72.9	1572	1581	4.420331	
5	3	14	79.9	1518	1765	5.481710	
6	1	14	60.6			5.896758	
7	1	14	59.1			6.979307	
8	2	14	66.9	1830		7.443787	
9	3	14	99.3	1654	1087	8.597565	
10	1	14	93.9			9.731565	
11	1	14	84.3			10.460377	
12	2	14	59.2	1043		11.200186	

Bin5 Statistics 11

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

Bin5 Statistics 12

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

Bin5 Statistics 13

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

Bin5 Statistics 14

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

Bin5 Statistics 15

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

Bin5 Statistics 16

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

Bin5 Statistics 17

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

Bin5 Statistics 18

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

Bin5 Statistics 19

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

Bin5 Statistics 20

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

Bin5 Statistics 21

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

Bin5 Statistics 22

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

Bin5 Statistics 23

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

Bin5 Statistics 24

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

Bin5 Statistics 25

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

Bin5 Statistics 26

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

Bin5 Statistics 27

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

Bin5 Statistics 28

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

Bin5 Statistics 29

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

Bin5 Statistics 30

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

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530.0	9	1.0	333	1	5548.0, 5578.0, 5705.0, 5297.0, 5534.0, 5475.0, 5564.0, 5713.0, 5513.0, 5686.0, 5635.0, 5626.0, 5716.0, 5436.0, 5351.0, 5702.0, 5293.0, 5353.0, 5283.0, 5285.0, 5647.0, 5337.0, 5638.0, 5302.0, 5688.0, 5377.0, 5430.0, 5498.0, 5676.0, 5528.0, 5263.0, 5484.0, 5379.0, 5545.0, 5317.0, 5668.0, 5669.0, 5260.0, 5620.0, 5559.0, 5329.0, 5690.0, 5371.0, 5708.0, 5547.0, 5447.0, 5543.0, 5696.0, 5612.0, 5476.0, 5520.0, 5438.0, 5411.0, 5349.0, 5429.0, 5687.0, 5420.0, 5651.0, 5677.0, 5252.0, 5286.0, 5653.0, 5466.0, 5712.0, 5621.0, 5679.0, 5522.0, 5314.0, 5383.0, 5614.0, 5657.0, 5596.0, 5412.0, 5419.0, 5465.0, 5608.0, 5295.0, 5489.0, 5589.0, 5272.0, 5659.0, 5516.0, 5575.0, 5632.0, 5421.0, 5294.0, 5342.0, 5444.0, 5478.0, 5300.0, 5366.0, 5571.0, 5583.0, 5455.0, 5358.0, 5531.0, 5385.0, 5276.0, 5280.0, 5435.0 (number of hits: 14)
2	5530.0	9	1.0	333	1	5269.0, 5321.0, 5608.0, 5630.0, 5450.0, 5343.0, 5386.0, 5381.0, 5497.0, 5546.0, 5382.0, 5568.0, 5587.0, 5564.0, 5576.0, 5467.0, 5724.0, 5618.0, 5652.0, 5433.0, 5413.0, 5336.0, 5512.0, 5722.0, 5653.0, 5439.0, 5611.0, 5284.0, 5456.0, 5264.0, 5475.0, 5407.0, 5411.0, 5325.0, 5721.0, 5362.0, 5457.0, 5278.0, 5424.0, 5272.0, 5670.0, 5323.0, 5645.0, 5574.0, 5479.0, 5538.0, 5314.0, 5501.0, 5578.0, 5347.0, 5654.0, 5592.0, 5280.0, 5349.0, 5256.0, 5612.0, 5660.0, 5542.0, 5582.0, 5641.0, 5571.0, 5715.0, 5318.0, 5628.0, 5712.0, 5658.0, 5437.0, 5705.0, 5374.0, 5684.0, 5294.0, 5607.0, 5499.0, 5398.0, 5677.0, 5289.0, 5719.0, 5436.0, 5441.0, 5523.0, 5332.0, 5713.0, 5634.0, 5462.0, 5468.0, 5296.0, 5288.0, 5599.0, 5636.0, 5431.0, 5561.0, 5423.0, 5385.0, 5595.0, 5383.0, 5642.0, 5427.0, 5503.0, 5322.0, 5706.0 (number of hits: 11)
3	5530.0	9	1.0	333	1	5334.0, 5556.0, 5601.0, 5398.0, 5562.0, 5279.0, 5488.0, 5566.0, 5458.0, 5470.0, 5343.0, 5644.0, 5616.0, 5647.0, 5619.0, 5251.0, 5465.0, 5460.0, 5296.0, 5253.0, 5317.0, 5615.0, 5258.0, 5599.0, 5399.0, 5353.0, 5479.0, 5604.0, 5417.0, 5346.0, 5506.0, 5337.0, 5449.0, 5333.0, 5565.0, 5674.0, 5468.0, 5670.0, 5281.0, 5267.0, 5721.0, 5283.0, 5459.0, 5478.0, 5384.0, 5332.0, 5366.0, 5264.0, 5560.0, 5323.0, 5489.0, 5306.0, 5645.0, 5329.0, 5664.0, 5349.0, 5520.0, 5287.0, 5309.0, 5547.0, 5286.0, 5278.0, 5382.0, 5444.0, 5313.0, 5675.0, 5425.0, 5291.0, 5339.0, 5359.0, 5625.0, 5523.0, 5528.0, 5570.0, 5472.0, 5372.0, 5400.0, 5655.0, 5330.0, 5620.0, 5703.0, 5437.0, 5420.0, 5387.0, 5546.0, 5578.0, 5538.0, 5511.0, 5504.0, 5389.0, 5441.0, 5454.0, 5684.0, 5541.0, 5311.0, 5473.0, 5354.0, 5628.0, 5580.0, 5550.0 (number of hits: 16)
4	5530.0	9	1.0	333	1	5451.0, 5633.0, 5300.0, 5297.0, 5260.0, 5671.0, 5690.0, 5437.0, 5653.0, 5290.0, 5310.0, 5258.0, 5394.0, 5628.0, 5569.0, 5659.0, 5579.0, 5678.0, 5532.0, 5537.0, 5561.0, 5397.0, 5328.0, 5661.0, 5565.0, 5588.0, 5580.0, 5722.0, 5366.0, 5283.0, 5554.0, 5499.0, 5400.0, 5522.0, 5493.0, 5558.0, 5265.0, 5713.0, 5445.0, 5702.0, 5669.0, 5547.0, 5488.0, 5452.0, 5360.0, 5710.0, 5717.0, 5695.0, 5461.0, 5448.0, 5573.0, 5548.0, 5365.0, 5650.0, 5607.0, 5610.0, 5455.0, 5479.0, 5477.0, 5346.0, 5687.0, 5655.0, 5348.0, 5644.0, 5667.0, 5699.0, 5406.0, 5386.0, 5664.0, 5298.0,

						5512.0, 5656.0, 5643.0, 5527.0, 5456.0, 5586.0, 5627.0, 5336.0, 5270.0, 5715.0, 5515.0, 5314.0, 5433.0, 5446.0, 5368.0, 5356.0, 5535.0, 5359.0, 5274.0, 5369.0, 5507.0, 5280.0, 5513.0, 5501.0, 5354.0, 5281.0, 5293.0, 5317.0, 5466.0, 5469.0 (number of hits: 18)
5	5530.0	9	1.0	333	1	5551.0, 5667.0, 5338.0, 5372.0, 5568.0, 5669.0, 5297.0, 5427.0, 5523.0, 5632.0, 5641.0, 5479.0, 5388.0, 5328.0, 5704.0, 5591.0, 5317.0, 5681.0, 5703.0, 5336.0, 5324.0, 5500.0, 5668.0, 5405.0, 5323.0, 5251.0, 5581.0, 5274.0, 5646.0, 5410.0, 5326.0, 5621.0, 5463.0, 5386.0, 5482.0, 5365.0, 5618.0, 5648.0, 5515.0, 5625.0, 5424.0, 5571.0, 5720.0, 5325.0, 5514.0, 5279.0, 5291.0, 5502.0, 5597.0, 5719.0, 5419.0, 5261.0, 5522.0, 5357.0, 5448.0, 5517.0, 5645.0, 5626.0, 5589.0, 5713.0, 5577.0, 5350.0, 5288.0, 5544.0, 5385.0, 5441.0, 5718.0, 5602.0, 5272.0, 5470.0, 5671.0, 5553.0, 5604.0, 5486.0, 5631.0, 5707.0, 5478.0, 5307.0, 5698.0, 5293.0, 5474.0, 5355.0, 5443.0, 5456.0, 5277.0, 5600.0, 5616.0, 5687.0, 5722.0, 5449.0, 5601.0, 5398.0, 5315.0, 5587.0, 5452.0, 5276.0, 5491.0, 5390.0, 5679.0, 5542.0 (number of hits: 11)
6	5530.0	9	1.0	333	1	5491.0, 5667.0, 5273.0, 5403.0, 5669.0, 5332.0, 5450.0, 5483.0, 5298.0, 5307.0, 5358.0, 5629.0, 5723.0, 5382.0, 5606.0, 5269.0, 5392.0, 5545.0, 5589.0, 5622.0, 5485.0, 5553.0, 5603.0, 5688.0, 5411.0, 5395.0, 5713.0, 5431.0, 5683.0, 5512.0, 5262.0, 5646.0, 5304.0, 5576.0, 5586.0, 5361.0, 5701.0, 5703.0, 5695.0, 5714.0, 5422.0, 5394.0, 5681.0, 5507.0, 5337.0, 5674.0, 5505.0, 5373.0, 5469.0, 5624.0, 5383.0, 5627.0, 5663.0, 5592.0, 5496.0, 5441.0, 5261.0, 5611.0, 5618.0, 5291.0, 5308.0, 5655.0, 5424.0, 5716.0, 5476.0, 5314.0, 5381.0, 5417.0, 5280.0, 5254.0, 5620.0, 5521.0, 5556.0, 5514.0, 5329.0, 5540.0, 5689.0, 5557.0, 5414.0, 5662.0, 5724.0, 5264.0, 5579.0, 5698.0, 5488.0, 5657.0, 5376.0, 5310.0, 5705.0, 5391.0, 5425.0, 5296.0, 5460.0, 5369.0, 5436.0, 5428.0, 5711.0, 5474.0, 5478.0, 5432.0 (number of hits: 11)
7	5530.0	9	1.0	333	1	5583.0, 5304.0, 5421.0, 5717.0, 5256.0, 5402.0, 5332.0, 5641.0, 5509.0, 5569.0, 5562.0, 5288.0, 5573.0, 5377.0, 5292.0, 5518.0, 5487.0, 5372.0, 5369.0, 5483.0, 5416.0, 5593.0, 5447.0, 5710.0, 5564.0, 5676.0, 5586.0, 5581.0, 5430.0, 5312.0, 5265.0, 5327.0, 5619.0, 5661.0, 5466.0, 5382.0, 5433.0, 5522.0, 5681.0, 5498.0, 5440.0, 5360.0, 5298.0, 5658.0, 5381.0, 5356.0, 5703.0, 5517.0, 5528.0, 5591.0, 5404.0, 5691.0, 5527.0, 5347.0, 5705.0, 5666.0, 5502.0, 5348.0, 5696.0, 5706.0, 5629.0, 5358.0, 5307.0, 5389.0, 5341.0, 5393.0, 5391.0, 5600.0, 5275.0, 5662.0, 5684.0, 5723.0, 5542.0, 5378.0, 5462.0, 5323.0, 5257.0, 5459.0, 5501.0, 5418.0, 5592.0, 5578.0, 5571.0, 5380.0, 5263.0, 5716.0, 5305.0, 5575.0, 5467.0, 5686.0, 5521.0, 5316.0, 5504.0, 5274.0, 5315.0, 5306.0, 5646.0, 5574.0, 5635.0, 5533.0 (number of hits: 15)
8	5530.0	9	1.0	333	1	5288.0, 5672.0, 5395.0, 5566.0, 5343.0, 5304.0, 5336.0, 5562.0, 5664.0, 5402.0, 5494.0, 5270.0, 5696.0, 5307.0, 5676.0, 5263.0, 5279.0, 5464.0, 5659.0, 5487.0, 5601.0, 5626.0, 5524.0, 5690.0, 5616.0, 5551.0, 5432.0, 5680.0, 5453.0, 5281.0, 5325.0, 5700.0, 5602.0, 5308.0, 5310.0, 5320.0, 5678.0, 5401.0, 5478.0, 5451.0, 5442.0, 5577.0, 5303.0, 5716.0, 5527.0, 5660.0, 5658.0, 5361.0, 5257.0, 5291.0, 5365.0, 5570.0, 5720.0, 5373.0, 5556.0, 5423.0, 5643.0, 5719.0, 5547.0, 5436.0, 5372.0, 5477.0, 5462.0, 5347.0, 5507.0, 5630.0, 5465.0, 5299.0, 5657.0, 5587.0, 5306.0, 5471.0, 5466.0, 5273.0, 5624.0, 5722.0, 5282.0,

						5252.0, 5521.0, 5425.0, 5421.0, 5491.0, 5253.0, 5317.0, 5276.0, 5400.0, 5411.0, 5323.0, 5324.0, 5600.0, 5292.0, 5607.0, 5379.0, 5255.0, 5461.0, 5412.0, 5689.0, 5309.0, 5711.0, 5419.0 (number of hits: 10)
9	5530.0	9	1.0	333	1	5270.0, 5457.0, 5438.0, 5666.0, 5654.0, 5367.0, 5651.0, 5577.0, 5263.0, 5426.0, 5297.0, 5410.0, 5435.0, 5340.0, 5393.0, 5304.0, 5308.0, 5301.0, 5475.0, 5617.0, 5458.0, 5557.0, 5325.0, 5517.0, 5429.0, 5351.0, 5711.0, 5715.0, 5450.0, 5260.0, 5484.0, 5474.0, 5549.0, 5346.0, 5587.0, 5539.0, 5544.0, 5277.0, 5700.0, 5681.0, 5496.0, 5285.0, 5552.0, 5516.0, 5498.0, 5605.0, 5602.0, 5500.0, 5271.0, 5326.0, 5550.0, 5384.0, 5453.0, 5488.0, 5483.0, 5683.0, 5380.0, 5620.0, 5723.0, 5462.0, 5436.0, 5452.0, 5558.0, 5300.0, 5541.0, 5512.0, 5493.0, 5694.0, 5569.0, 5365.0, 5447.0, 5275.0, 5521.0, 5404.0, 5258.0, 5712.0, 5540.0, 5594.0, 5356.0, 5675.0, 5721.0, 5573.0, 5471.0, 5416.0, 5513.0, 5310.0, 5688.0, 5431.0, 5523.0, 5671.0, 5616.0, 5379.0, 5272.0, 5501.0, 5302.0, 5613.0, 5468.0, 5265.0, 5657.0, 5439.0 (number of hits: 20)
10	5530.0	9	1.0	333	1	5467.0, 5606.0, 5396.0, 5348.0, 5513.0, 5384.0, 5523.0, 5569.0, 5346.0, 5253.0, 5490.0, 5305.0, 5466.0, 5369.0, 5403.0, 5534.0, 5410.0, 5327.0, 5643.0, 5571.0, 5330.0, 5439.0, 5530.0, 5552.0, 5256.0, 5343.0, 5272.0, 5611.0, 5607.0, 5383.0, 5389.0, 5721.0, 5599.0, 5334.0, 5674.0, 5518.0, 5371.0, 5319.0, 5285.0, 5320.0, 5295.0, 5578.0, 5704.0, 5601.0, 5693.0, 5539.0, 5308.0, 5504.0, 5632.0, 5532.0, 5508.0, 5698.0, 5312.0, 5705.0, 5485.0, 5424.0, 5650.0, 5395.0, 5358.0, 5438.0, 5273.0, 5593.0, 5609.0, 5535.0, 5476.0, 5537.0, 5264.0, 5368.0, 5390.0, 5333.0, 5550.0, 5692.0, 5489.0, 5640.0, 5617.0, 5635.0, 5563.0, 5260.0, 5292.0, 5629.0, 5562.0, 5360.0, 5425.0, 5349.0, 5656.0, 5351.0, 5445.0, 5391.0, 5630.0, 5269.0, 5482.0, 5574.0, 5699.0, 5646.0, 5540.0, 5551.0, 5700.0, 5255.0, 5516.0, 5392.0 (number of hits: 18)
11	5530.0	9	1.0	333	1	5251.0, 5379.0, 5562.0, 5415.0, 5670.0, 5375.0, 5723.0, 5519.0, 5673.0, 5601.0, 5353.0, 5348.0, 5328.0, 5676.0, 5662.0, 5421.0, 5464.0, 5547.0, 5359.0, 5330.0, 5446.0, 5642.0, 5655.0, 5565.0, 5456.0, 5618.0, 5672.0, 5450.0, 5470.0, 5436.0, 5611.0, 5384.0, 5250.0, 5581.0, 5657.0, 5277.0, 5349.0, 5376.0, 5640.0, 5401.0, 5668.0, 5337.0, 5537.0, 5266.0, 5471.0, 5307.0, 5402.0, 5426.0, 5264.0, 5321.0, 5506.0, 5623.0, 5289.0, 5454.0, 5540.0, 5603.0, 5534.0, 5719.0, 5469.0, 5448.0, 5381.0, 5365.0, 5593.0, 5516.0, 5539.0, 5635.0, 5395.0, 5480.0, 5429.0, 5276.0, 5438.0, 5385.0, 5350.0, 5567.0, 5588.0, 5407.0, 5403.0, 5345.0, 5327.0, 5475.0, 5459.0, 5523.0, 5641.0, 5602.0, 5697.0, 5282.0, 5646.0, 5273.0, 5417.0, 5536.0, 5405.0, 5626.0, 5571.0, 5702.0, 5490.0, 5318.0, 5279.0, 5476.0, 5491.0, 5678.0 (number of hits: 13)
12	5530.0	9	1.0	333	1	5720.0, 5287.0, 5386.0, 5538.0, 5641.0, 5690.0, 5361.0, 5678.0, 5599.0, 5489.0, 5689.0, 5323.0, 5387.0, 5267.0, 5422.0, 5350.0, 5279.0, 5560.0, 5673.0, 5583.0, 5471.0, 5293.0, 5546.0, 5346.0, 5319.0, 5376.0, 5596.0, 5413.0, 5262.0, 5648.0, 5723.0, 5534.0, 5278.0, 5390.0, 5424.0, 5314.0, 5431.0, 5479.0, 5399.0, 5404.0, 5621.0, 5614.0, 5281.0, 5663.0, 5635.0, 5487.0, 5488.0, 5664.0, 5257.0, 5618.0, 5666.0, 5508.0, 5552.0, 5500.0, 5340.0, 5646.0, 5530.0, 5416.0, 5324.0, 5617.0, 5295.0, 5640.0, 5492.0, 5628.0, 5263.0, 5451.0, 5270.0, 5421.0, 5644.0, 5711.0, 5707.0, 5532.0, 5337.0, 5309.0, 5684.0, 5501.0, 5447.0, 5415.0, 5436.0, 5433.0, 5397.0, 5528.0, 5419.0, 5615.0,

						5282.0, 5522.0, 5254.0, 5420.0, 5519.0, 5577.0, 5705.0, 5677.0, 5411.0, 5348.0, 5330.0, 5456.0, 5710.0, 5301.0, 5547.0, 5504.0 (number of hits: 16)
13	5530.0	9	1.0	333	1	5331.0, 5393.0, 5319.0, 5365.0, 5535.0, 5600.0, 5402.0, 5701.0, 5499.0, 5581.0, 5641.0, 5328.0, 5689.0, 5585.0, 5375.0, 5428.0, 5498.0, 5481.0, 5457.0, 5538.0, 5631.0, 5597.0, 5518.0, 5263.0, 5617.0, 5645.0, 5592.0, 5382.0, 5404.0, 5294.0, 5591.0, 5567.0, 5473.0, 5665.0, 5423.0, 5696.0, 5443.0, 5415.0, 5310.0, 5342.0, 5502.0, 5511.0, 5254.0, 5487.0, 5625.0, 5396.0, 5431.0, 5421.0, 5622.0, 5486.0, 5493.0, 5694.0, 5659.0, 5525.0, 5513.0, 5401.0, 5587.0, 5451.0, 5529.0, 5704.0, 5349.0, 5289.0, 5313.0, 5461.0, 5655.0, 5608.0, 5304.0, 5418.0, 5465.0, 5516.0, 5464.0, 5558.0, 5647.0, 5370.0, 5278.0, 5677.0, 5363.0, 5489.0, 5321.0, 5300.0, 5568.0, 5409.0, 5678.0, 5512.0, 5569.0, 5537.0, 5681.0, 5344.0, 5643.0, 5463.0, 5719.0, 5471.0, 5616.0, 5572.0, 5630.0, 5394.0, 5574.0, 5403.0, 5269.0, 5708.0 (number of hits: 16)
14	5530.0	9	1.0	333	1	5678.0, 5453.0, 5374.0, 5308.0, 5376.0, 5679.0, 5351.0, 5409.0, 5593.0, 5298.0, 5510.0, 5488.0, 5455.0, 5628.0, 5380.0, 5395.0, 5551.0, 5660.0, 5583.0, 5567.0, 5352.0, 5381.0, 5435.0, 5618.0, 5277.0, 5535.0, 5397.0, 5687.0, 5644.0, 5451.0, 5421.0, 5459.0, 5665.0, 5406.0, 5398.0, 5482.0, 5469.0, 5641.0, 5505.0, 5573.0, 5616.0, 5407.0, 5546.0, 5717.0, 5620.0, 5713.0, 5289.0, 5467.0, 5408.0, 5684.0, 5444.0, 5691.0, 5286.0, 5498.0, 5328.0, 5724.0, 5336.0, 5548.0, 5563.0, 5681.0, 5658.0, 5635.0, 5443.0, 5495.0, 5313.0, 5419.0, 5599.0, 5413.0, 5671.0, 5310.0, 5309.0, 5372.0, 5509.0, 5489.0, 5382.0, 5503.0, 5272.0, 5479.0, 5647.0, 5349.0, 5526.0, 5698.0, 5300.0, 5514.0, 5251.0, 5518.0, 5680.0, 5425.0, 5571.0, 5321.0, 5569.0, 5466.0, 5640.0, 5324.0, 5543.0, 5297.0, 5371.0, 5586.0, 5339.0, 5549.0 (number of hits: 17)
15	5530.0	9	1.0	333	1	5402.0, 5296.0, 5335.0, 5423.0, 5645.0, 5369.0, 5540.0, 5589.0, 5582.0, 5266.0, 5250.0, 5526.0, 5352.0, 5417.0, 5553.0, 5501.0, 5512.0, 5658.0, 5496.0, 5449.0, 5622.0, 5528.0, 5378.0, 5678.0, 5328.0, 5420.0, 5696.0, 5287.0, 5638.0, 5444.0, 5430.0, 5379.0, 5265.0, 5262.0, 5407.0, 5404.0, 5627.0, 5677.0, 5689.0, 5611.0, 5624.0, 5659.0, 5468.0, 5610.0, 5276.0, 5629.0, 5344.0, 5635.0, 5272.0, 5277.0, 5614.0, 5298.0, 5314.0, 5503.0, 5301.0, 5495.0, 5397.0, 5585.0, 5706.0, 5721.0, 5676.0, 5411.0, 5572.0, 5440.0, 5573.0, 5561.0, 5348.0, 5586.0, 5346.0, 5499.0, 5271.0, 5524.0, 5483.0, 5623.0, 5712.0, 5353.0, 5664.0, 5326.0, 5507.0, 5646.0, 5597.0, 5461.0, 5405.0, 5480.0, 5668.0, 5565.0, 5488.0, 5484.0, 5698.0, 5324.0, 5362.0, 5380.0, 5343.0, 5333.0, 5652.0, 5384.0, 5360.0, 5628.0, 5450.0, 5401.0 (number of hits: 14)
16	5530.0	9	1.0	333	1	5578.0, 5488.0, 5492.0, 5352.0, 5629.0, 5689.0, 5464.0, 5677.0, 5669.0, 5592.0, 5348.0, 5434.0, 5397.0, 5335.0, 5387.0, 5642.0, 5252.0, 5253.0, 5380.0, 5416.0, 5658.0, 5410.0, 5519.0, 5477.0, 5309.0, 5484.0, 5504.0, 5483.0, 5470.0, 5648.0, 5268.0, 5296.0, 5682.0, 5280.0, 5577.0, 5670.0, 5713.0, 5401.0, 5391.0, 5419.0, 5482.0, 5554.0, 5618.0, 5538.0, 5551.0, 5646.0, 5621.0, 5293.0, 5456.0, 5267.0, 5355.0, 5544.0, 5581.0, 5520.0, 5517.0, 5346.0, 5628.0, 5687.0, 5469.0, 5375.0, 5299.0, 5521.0, 5604.0, 5575.0, 5436.0, 5307.0, 5421.0, 5377.0, 5497.0, 5316.0, 5507.0, 5325.0, 5611.0, 5573.0, 5388.0, 5454.0, 5285.0, 5256.0, 5685.0, 5571.0, 5614.0, 5557.0, 5549.0, 5378.0, 5472.0, 5389.0, 5400.0, 5291.0, 5495.0, 5290.0, 5498.0,

						5276.0, 5313.0, 5480.0, 5266.0, 5453.0, 5691.0, 5678.0, 5514.0, 5476.0 (number of hits: 17)
17	5530.0	9	1.0	333	1	5478.0, 5619.0, 5294.0, 5617.0, 5268.0, 5500.0, 5693.0, 5409.0, 5389.0, 5539.0, 5640.0, 5512.0, 5333.0, 5251.0, 5330.0, 5276.0, 5547.0, 5484.0, 5326.0, 5271.0, 5647.0, 5407.0, 5489.0, 5462.0, 5444.0, 5604.0, 5420.0, 5573.0, 5718.0, 5606.0, 5375.0, 5280.0, 5494.0, 5441.0, 5258.0, 5413.0, 5272.0, 5327.0, 5645.0, 5527.0, 5485.0, 5661.0, 5424.0, 5388.0, 5550.0, 5463.0, 5571.0, 5423.0, 5284.0, 5723.0, 5446.0, 5566.0, 5675.0, 5313.0, 5569.0, 5679.0, 5265.0, 5708.0, 5275.0, 5703.0, 5634.0, 5528.0, 5308.0, 5309.0, 5699.0, 5543.0, 5644.0, 5563.0, 5612.0, 5583.0, 5713.0, 5650.0, 5440.0, 5557.0, 5681.0, 5516.0, 5414.0, 5322.0, 5581.0, 5458.0, 5340.0, 5400.0, 5314.0, 5416.0, 5545.0, 5554.0, 5331.0, 5508.0, 5579.0, 5395.0, 5263.0, 5439.0, 5453.0, 5305.0, 5665.0, 5422.0, 5676.0, 5584.0, 5487.0, 5357.0 (number of hits: 16)
18	5530.0	9	1.0	333	1	5651.0, 5289.0, 5332.0, 5264.0, 5342.0, 5538.0, 5259.0, 5349.0, 5312.0, 5579.0, 5389.0, 5670.0, 5648.0, 5598.0, 5606.0, 5373.0, 5278.0, 5533.0, 5520.0, 5256.0, 5290.0, 5570.0, 5697.0, 5513.0, 5417.0, 5586.0, 5447.0, 5576.0, 5608.0, 5266.0, 5530.0, 5551.0, 5618.0, 5685.0, 5532.0, 5722.0, 5343.0, 5554.0, 5324.0, 5575.0, 5655.0, 5699.0, 5345.0, 5297.0, 5295.0, 5665.0, 5442.0, 5626.0, 5704.0, 5658.0, 5253.0, 5350.0, 5292.0, 5499.0, 5524.0, 5640.0, 5461.0, 5653.0, 5427.0, 5267.0, 5328.0, 5424.0, 5353.0, 5464.0, 5669.0, 5433.0, 5537.0, 5296.0, 5668.0, 5628.0, 5605.0, 5453.0, 5694.0, 5508.0, 5269.0, 5602.0, 5472.0, 5448.0, 5656.0, 5457.0, 5415.0, 5254.0, 5398.0, 5316.0, 5585.0, 5637.0, 5592.0, 5709.0, 5571.0, 5492.0, 5360.0, 5445.0, 5559.0, 5716.0, 5298.0, 5331.0, 5385.0, 5275.0, 5624.0, 5607.0 (number of hits: 14)
19	5530.0	9	1.0	333	1	5596.0, 5530.0, 5541.0, 5636.0, 5689.0, 5398.0, 5621.0, 5625.0, 5412.0, 5267.0, 5506.0, 5422.0, 5370.0, 5393.0, 5371.0, 5651.0, 5573.0, 5336.0, 5517.0, 5546.0, 5514.0, 5698.0, 5611.0, 5659.0, 5303.0, 5414.0, 5467.0, 5501.0, 5603.0, 5338.0, 5381.0, 5482.0, 5406.0, 5490.0, 5675.0, 5522.0, 5404.0, 5402.0, 5452.0, 5372.0, 5256.0, 5466.0, 5260.0, 5564.0, 5434.0, 5559.0, 5609.0, 5492.0, 5498.0, 5394.0, 5562.0, 5575.0, 5708.0, 5421.0, 5513.0, 5380.0, 5576.0, 5554.0, 5577.0, 5543.0, 5472.0, 5641.0, 5615.0, 5648.0, 5312.0, 5682.0, 5646.0, 5314.0, 5252.0, 5478.0, 5491.0, 5318.0, 5569.0, 5660.0, 5706.0, 5640.0, 5594.0, 5547.0, 5401.0, 5289.0, 5518.0, 5356.0, 5274.0, 5606.0, 5272.0, 5387.0, 5627.0, 5410.0, 5436.0, 5610.0, 5333.0, 5277.0, 5598.0, 5286.0, 5304.0, 5507.0, 5494.0, 5612.0, 5350.0, 5719.0 (number of hits: 20)
20	5530.0	9	1.0	333	1	5571.0, 5375.0, 5723.0, 5421.0, 5598.0, 5700.0, 5508.0, 5561.0, 5689.0, 5362.0, 5717.0, 5495.0, 5394.0, 5682.0, 5674.0, 5662.0, 5608.0, 5522.0, 5378.0, 5504.0, 5661.0, 5283.0, 5405.0, 5269.0, 5532.0, 5716.0, 5502.0, 5298.0, 5566.0, 5622.0, 5439.0, 5403.0, 5636.0, 5306.0, 5541.0, 5356.0, 5360.0, 5692.0, 5448.0, 5721.0, 5365.0, 5616.0, 5416.0, 5444.0, 5285.0, 5310.0, 5452.0, 5382.0, 5529.0, 5516.0, 5457.0, 5641.0, 5550.0, 5569.0, 5323.0, 5533.0, 5560.0, 5424.0, 5387.0, 5659.0, 5447.0, 5347.0, 5577.0, 5351.0, 5681.0, 5359.0, 5466.0, 5367.0, 5531.0, 5686.0, 5488.0, 5649.0, 5350.0, 5257.0, 5461.0, 5610.0, 5427.0, 5435.0, 5420.0, 5352.0, 5468.0, 5513.0, 5530.0, 5438.0, 5397.0, 5680.0, 5556.0, 5675.0, 5656.0, 5371.0, 5489.0, 5607.0, 5554.0, 5431.0, 5546.0, 5685.0, 5559.0, 5336.0,

						5500.0, 5605.0 (number of hits: 22)
21	5530.0	9	1.0	333	1	5601.0, 5535.0, 5346.0, 5558.0, 5561.0, 5482.0, 5383.0, 5560.0, 5687.0, 5514.0, 5342.0, 5339.0, 5651.0, 5381.0, 5279.0, 5591.0, 5600.0, 5467.0, 5353.0, 5477.0, 5392.0, 5502.0, 5661.0, 5261.0, 5374.0, 5417.0, 5573.0, 5298.0, 5321.0, 5351.0, 5616.0, 5632.0, 5489.0, 5252.0, 5550.0, 5570.0, 5314.0, 5493.0, 5377.0, 5295.0, 5316.0, 5470.0, 5568.0, 5359.0, 5546.0, 5518.0, 5524.0, 5254.0, 5488.0, 5412.0, 5691.0, 5638.0, 5356.0, 5270.0, 5401.0, 5425.0, 5404.0, 5456.0, 5345.0, 5348.0, 5515.0, 5720.0, 5677.0, 5405.0, 5318.0, 5274.0, 5433.0, 5637.0, 5327.0, 5492.0, 5483.0, 5505.0, 5365.0, 5588.0, 5704.0, 5368.0, 5670.0, 5676.0, 5424.0, 5334.0, 5299.0, 5491.0, 5501.0, 5564.0, 5545.0, 5312.0, 5619.0, 5269.0, 5266.0, 5695.0, 5549.0, 5628.0, 5451.0, 5605.0, 5614.0, 5411.0, 5435.0, 5671.0, 5694.0, 5250.0 (number of hits: 18)
22	5530.0	9	1.0	333	1	5522.0, 5403.0, 5409.0, 5587.0, 5703.0, 5356.0, 5407.0, 5362.0, 5398.0, 5347.0, 5632.0, 5638.0, 5474.0, 5574.0, 5433.0, 5399.0, 5406.0, 5501.0, 5643.0, 5368.0, 5698.0, 5288.0, 5416.0, 5284.0, 5496.0, 5374.0, 5675.0, 5610.0, 5280.0, 5265.0, 5313.0, 5464.0, 5259.0, 5495.0, 5472.0, 5588.0, 5435.0, 5679.0, 5516.0, 5695.0, 5575.0, 5661.0, 5523.0, 5536.0, 5387.0, 5583.0, 5335.0, 5452.0, 5542.0, 5305.0, 5393.0, 5657.0, 5378.0, 5576.0, 5654.0, 5261.0, 5556.0, 5557.0, 5424.0, 5559.0, 5597.0, 5507.0, 5539.0, 5564.0, 5680.0, 5697.0, 5531.0, 5547.0, 5663.0, 5467.0, 5432.0, 5420.0, 5469.0, 5301.0, 5421.0, 5686.0, 5415.0, 5589.0, 5263.0, 5455.0, 5682.0, 5685.0, 5677.0, 5642.0, 5357.0, 5681.0, 5652.0, 5524.0, 5649.0, 5525.0, 5465.0, 5634.0, 5555.0, 5296.0, 5443.0, 5630.0, 5696.0, 5552.0, 5310.0, 5333.0 (number of hits: 20)
23	5530.0	9	1.0	333	1	5716.0, 5320.0, 5260.0, 5452.0, 5681.0, 5406.0, 5521.0, 5674.0, 5402.0, 5694.0, 5421.0, 5395.0, 5520.0, 5686.0, 5600.0, 5494.0, 5302.0, 5673.0, 5466.0, 5354.0, 5612.0, 5617.0, 5619.0, 5571.0, 5558.0, 5539.0, 5711.0, 5590.0, 5447.0, 5566.0, 5543.0, 5545.0, 5376.0, 5420.0, 5631.0, 5574.0, 5542.0, 5703.0, 5445.0, 5512.0, 5603.0, 5343.0, 5258.0, 5429.0, 5271.0, 5628.0, 5695.0, 5465.0, 5663.0, 5340.0, 5557.0, 5660.0, 5279.0, 5319.0, 5470.0, 5329.0, 5373.0, 5666.0, 5598.0, 5606.0, 5580.0, 5398.0, 5367.0, 5442.0, 5655.0, 5704.0, 5483.0, 5649.0, 5713.0, 5585.0, 5693.0, 5323.0, 5390.0, 5471.0, 5564.0, 5523.0, 5423.0, 5339.0, 5721.0, 5723.0, 5680.0, 5274.0, 5363.0, 5556.0, 5414.0, 5310.0, 5419.0, 5294.0, 5332.0, 5700.0, 5424.0, 5544.0, 5682.0, 5688.0, 5620.0, 5691.0, 5697.0, 5552.0, 5535.0, 5527.0 (number of hits: 18)
24	5530.0	9	1.0	333	1	5596.0, 5574.0, 5632.0, 5398.0, 5610.0, 5458.0, 5272.0, 5582.0, 5281.0, 5334.0, 5365.0, 5702.0, 5351.0, 5342.0, 5570.0, 5267.0, 5599.0, 5251.0, 5536.0, 5497.0, 5549.0, 5572.0, 5330.0, 5401.0, 5288.0, 5425.0, 5362.0, 5256.0, 5507.0, 5435.0, 5405.0, 5576.0, 5451.0, 5699.0, 5717.0, 5707.0, 5586.0, 5323.0, 5661.0, 5440.0, 5720.0, 5371.0, 5469.0, 5271.0, 5551.0, 5414.0, 5261.0, 5681.0, 5457.0, 5279.0, 5352.0, 5594.0, 5490.0, 5462.0, 5446.0, 5695.0, 5660.0, 5611.0, 5546.0, 5467.0, 5494.0, 5600.0, 5544.0, 5307.0, 5514.0, 5612.0, 5522.0, 5649.0, 5602.0, 5590.0, 5520.0, 5480.0, 5461.0, 5678.0, 5578.0, 5325.0, 5463.0, 5355.0, 5523.0, 5396.0, 5432.0, 5409.0, 5703.0, 5301.0, 5472.0, 5643.0, 5689.0, 5456.0, 5407.0, 5263.0, 5496.0, 5282.0, 5719.0, 5557.0, 5374.0, 5644.0, 5659.0, 5369.0, 5438.0, 5470.0 (number of hits: 14)

25	5530.0	9	1.0	333	1	5417.0, 5316.0, 5528.0, 5551.0, 5314.0, 5468.0, 5396.0, 5663.0, 5548.0, 5559.0, 5510.0, 5560.0, 5575.0, 5434.0, 5369.0, 5354.0, 5591.0, 5382.0, 5505.0, 5428.0, 5307.0, 5500.0, 5583.0, 5586.0, 5424.0, 5696.0, 5443.0, 5415.0, 5407.0, 5566.0, 5487.0, 5320.0, 5348.0, 5495.0, 5641.0, 5680.0, 5446.0, 5572.0, 5639.0, 5675.0, 5261.0, 5309.0, 5513.0, 5658.0, 5721.0, 5685.0, 5710.0, 5435.0, 5349.0, 5341.0, 5392.0, 5441.0, 5324.0, 5638.0, 5716.0, 5258.0, 5511.0, 5588.0, 5537.0, 5365.0, 5347.0, 5260.0, 5256.0, 5432.0, 5375.0, 5527.0, 5380.0, 5649.0, 5570.0, 5529.0, 5669.0, 5412.0, 5406.0, 5627.0, 5366.0, 5611.0, 5277.0, 5471.0, 5681.0, 5713.0, 5458.0, 5722.0, 5650.0, 5472.0, 5271.0, 5643.0, 5600.0, 5460.0, 5296.0, 5644.0, 5376.0, 5264.0, 5631.0, 5455.0, 5281.0, 5699.0, 5451.0, 5670.0, 5359.0, 5409.0 (number of hits: 15)
26	5530.0	9	1.0	333	1	5567.0, 5522.0, 5283.0, 5720.0, 5497.0, 5662.0, 5304.0, 5377.0, 5561.0, 5327.0, 5280.0, 5491.0, 5583.0, 5664.0, 5649.0, 5454.0, 5383.0, 5696.0, 5569.0, 5473.0, 5330.0, 5292.0, 5702.0, 5328.0, 5630.0, 5604.0, 5597.0, 5443.0, 5566.0, 5574.0, 5580.0, 5668.0, 5343.0, 5620.0, 5291.0, 5634.0, 5675.0, 5607.0, 5721.0, 5674.0, 5381.0, 5338.0, 5306.0, 5255.0, 5538.0, 5314.0, 5457.0, 5484.0, 5638.0, 5386.0, 5648.0, 5302.0, 5392.0, 5267.0, 5469.0, 5299.0, 5650.0, 5608.0, 5577.0, 5598.0, 5575.0, 5480.0, 5552.0, 5436.0, 5400.0, 5527.0, 5417.0, 5411.0, 5268.0, 5653.0, 5718.0, 5470.0, 5685.0, 5301.0, 5257.0, 5555.0, 5398.0, 5520.0, 5349.0, 5599.0, 5606.0, 5361.0, 5318.0, 5451.0, 5395.0, 5414.0, 5663.0, 5413.0, 5412.0, 5263.0, 5556.0, 5571.0, 5614.0, 5711.0, 5513.0, 5428.0, 5270.0, 5601.0, 5703.0, 5547.0 (number of hits: 13)
27	5530.0	9	1.0	333	1	5511.0, 5315.0, 5552.0, 5689.0, 5334.0, 5530.0, 5568.0, 5695.0, 5395.0, 5343.0, 5460.0, 5499.0, 5354.0, 5543.0, 5420.0, 5446.0, 5557.0, 5277.0, 5456.0, 5457.0, 5421.0, 5483.0, 5284.0, 5687.0, 5714.0, 5474.0, 5267.0, 5558.0, 5378.0, 5272.0, 5698.0, 5498.0, 5681.0, 5709.0, 5467.0, 5344.0, 5426.0, 5397.0, 5625.0, 5252.0, 5302.0, 5707.0, 5454.0, 5712.0, 5573.0, 5285.0, 5376.0, 5670.0, 5508.0, 5305.0, 5649.0, 5507.0, 5461.0, 5651.0, 5308.0, 5370.0, 5540.0, 5346.0, 5316.0, 5455.0, 5321.0, 5510.0, 5537.0, 5711.0, 5295.0, 5574.0, 5404.0, 5415.0, 5636.0, 5594.0, 5595.0, 5704.0, 5664.0, 5637.0, 5597.0, 5433.0, 5525.0, 5393.0, 5266.0, 5529.0, 5609.0, 5269.0, 5400.0, 5320.0, 5263.0, 5534.0, 5472.0, 5368.0, 5296.0, 5678.0, 5686.0, 5445.0, 5593.0, 5310.0, 5470.0, 5578.0, 5708.0, 5633.0, 5383.0, 5372.0 (number of hits: 16)
28	5530.0	9	1.0	333	1	5488.0, 5610.0, 5265.0, 5543.0, 5463.0, 5388.0, 5377.0, 5327.0, 5716.0, 5702.0, 5482.0, 5341.0, 5531.0, 5626.0, 5624.0, 5426.0, 5689.0, 5485.0, 5441.0, 5589.0, 5549.0, 5534.0, 5600.0, 5598.0, 5685.0, 5612.0, 5352.0, 5555.0, 5346.0, 5688.0, 5290.0, 5332.0, 5527.0, 5666.0, 5355.0, 5269.0, 5554.0, 5568.0, 5578.0, 5255.0, 5650.0, 5715.0, 5659.0, 5536.0, 5252.0, 5680.0, 5695.0, 5301.0, 5453.0, 5602.0, 5643.0, 5517.0, 5502.0, 5492.0, 5566.0, 5383.0, 5542.0, 5407.0, 5344.0, 5724.0, 5349.0, 5639.0, 5537.0, 5273.0, 5280.0, 5314.0, 5696.0, 5358.0, 5382.0, 5456.0, 5677.0, 5320.0, 5438.0, 5591.0, 5581.0, 5370.0, 5512.0, 5618.0, 5318.0, 5577.0, 5395.0, 5445.0, 5669.0, 5380.0, 5379.0, 5422.0, 5303.0, 5345.0, 5663.0, 5282.0, 5673.0, 5419.0, 5697.0, 5295.0, 5635.0, 5619.0, 5477.0, 5371.0, 5682.0, 5520.0 (number of hits: 16)
29	5530.0	9	1.0	333	1	5587.0, 5432.0, 5663.0, 5539.0, 5318.0, 5293.0, 5365.0,

						5449.0, 5649.0, 5653.0, 5334.0, 5557.0, 5683.0, 5479.0, 5331.0, 5320.0, 5561.0, 5589.0, 5386.0, 5674.0, 5333.0, 5261.0, 5289.0, 5593.0, 5263.0, 5521.0, 5453.0, 5568.0, 5349.0, 5478.0, 5292.0, 5584.0, 5540.0, 5425.0, 5509.0, 5634.0, 5556.0, 5606.0, 5508.0, 5701.0, 5357.0, 5288.0, 5271.0, 5452.0, 5520.0, 5656.0, 5429.0, 5262.0, 5647.0, 5562.0, 5393.0, 5658.0, 5680.0, 5460.0, 5610.0, 5590.0, 5284.0, 5402.0, 5439.0, 5486.0, 5473.0, 5506.0, 5708.0, 5445.0, 5411.0, 5252.0, 5276.0, 5718.0, 5529.0, 5611.0, 5591.0, 5499.0, 5359.0, 5279.0, 5555.0, 5523.0, 5300.0, 5526.0, 5458.0, 5678.0, 5586.0, 5492.0, 5702.0, 5673.0, 5633.0, 5716.0, 5709.0, 5366.0, 5579.0, 5428.0, 5706.0, 5650.0, 5323.0, 5640.0, 5661.0, 5407.0, 5341.0, 5327.0, 5687.0, 5418.0 (number of hits: 17)
30	5530.0	9	1.0	333	1	5396.0, 5335.0, 5659.0, 5513.0, 5708.0, 5450.0, 5283.0, 5526.0, 5587.0, 5344.0, 5268.0, 5431.0, 5419.0, 5721.0, 5651.0, 5599.0, 5406.0, 5420.0, 5493.0, 5359.0, 5442.0, 5315.0, 5269.0, 5352.0, 5408.0, 5462.0, 5427.0, 5660.0, 5413.0, 5508.0, 5260.0, 5723.0, 5453.0, 5452.0, 5397.0, 5422.0, 5251.0, 5665.0, 5722.0, 5558.0, 5415.0, 5405.0, 5306.0, 5715.0, 5507.0, 5254.0, 5305.0, 5619.0, 5572.0, 5661.0, 5515.0, 5529.0, 5272.0, 5345.0, 5710.0, 5459.0, 5584.0, 5697.0, 5449.0, 5556.0, 5475.0, 5451.0, 5673.0, 5664.0, 5618.0, 5523.0, 5296.0, 5687.0, 5377.0, 5293.0, 5365.0, 5585.0, 5695.0, 5300.0, 5348.0, 5282.0, 5555.0, 5353.0, 5320.0, 5706.0, 5543.0, 5663.0, 5582.0, 5521.0, 5652.0, 5291.0, 5394.0, 5684.0, 5338.0, 5557.0, 5265.0, 5259.0, 5575.0, 5573.0, 5570.0, 5316.0, 5445.0, 5331.0, 5324.0, 5430.0 (number of hits: 14)

**P2MP Mode
Pine Radio****5500 MHz, 20 MHz Bandwidth**

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	90.8 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

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

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	57	1.0	938	1
2	65	1.0	818	1
3	62	1.0	858	1
4	95	1.0	558	1
5	59	1.0	898	1
6	68	1.0	778	1
7	76	1.0	698	1
8	86	1.0	618	1
9	92	1.0	578	1
10	67	1.0	798	1
11	72	1.0	738	1
12	58	1.0	918	1
13	18	1.0	3066	1
14	83	1.0	638	1
15	81	1.0	658	1
16	45	1.0	1179	1
17	23	1.0	2378	1
18	94	1.0	565	1
19	38	1.0	1402	1
20	26	1.0	2067	1
21	22	1.0	2497	1
22	37	1.0	1459	1
23	31	1.0	1718	1
24	21	1.0	2614	1
25	27	1.0	1961	1
26	27	1.0	1962	1
27	19	1.0	2888	1
28	32	1.0	1662	1
29	22	1.0	2513	1
30	63	1.0	839	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	29	4.4	212	1
2	26	3.8	153	1
3	26	4.1	158	1
4	29	4.3	196	0
5	27	2.2	213	1
6	23	5.0	199	1
7	24	4.0	163	1
8	23	2.2	166	1
9	26	2.9	198	1
10	23	4.0	195	1
11	24	3.0	228	1
12	24	1.6	151	0
13	26	3.4	195	1
14	29	1.8	226	1
15	24	1.2	171	1
16	27	3.2	152	1
17	27	3.0	193	1
18	28	1.1	214	1
19	26	2.5	190	1
20	23	3.4	223	1
21	27	4.8	160	1
22	29	2.5	198	1
23	26	4.7	213	1
24	27	4.7	176	1
25	24	3.3	176	1
26	29	3.8	184	1
27	26	3.5	218	1
28	26	3.7	214	1
29	27	3.2	225	1
30	29	2.4	220	1
Detection Percentage: 93.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	18	9.9	216	1
2	16	8.6	269	1
3	18	8.0	237	0
4	17	6.7	477	1
5	17	7.4	228	1
6	17	7.9	491	1
7	17	9.8	441	1
8	16	8.0	297	1
9	16	6.2	215	1
10	16	9.8	410	1
11	18	7.3	232	1
12	16	6.6	413	0
13	18	8.0	244	1
14	16	9.2	305	1
15	17	8.1	388	1
16	18	7.8	356	1
17	17	9.6	354	1
18	17	7.7	268	1
19	16	7.7	274	0
20	17	9.3	389	1
21	16	9.5	291	1
22	18	7.8	485	1
23	18	8.0	317	1
24	18	7.5	433	1
25	16	8.4	377	0
26	17	8.6	472	1
27	16	10.0	420	1
28	18	9.6	208	0
29	18	9.5	263	1
30	17	9.1	359	1
Detection Percentage: 83.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	13	15.6	332	1
2	14	12.6	364	1
3	16	15.1	374	1
4	13	12.3	313	1
5	12	15.4	273	1
6	13	13.9	370	1
7	15	11.6	271	1
8	13	11.4	333	1
9	15	15.7	441	1
10	13	14.3	448	1
11	12	11.3	350	0
12	16	18.6	424	1
13	16	16.8	400	1
14	12	16.3	384	1
15	12	12.3	253	1
16	14	13.0	465	1
17	13	16.9	357	1
18	16	19.9	211	1
19	16	14.3	339	1
20	14	13.1	460	1
21	13	20.0	322	0
22	14	15.6	488	1
23	14	13.4	360	1
24	14	20.0	406	1
25	15	16.1	344	0
26	14	11.1	475	1
27	15	18.3	296	1
28	13	19.6	497	1
29	12	15.8	488	1
30	13	18.6	447	0
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5498.1	1
12	5494.1	1
13	5496.9	1
14	5496.5	1
15	5496.1	1
16	5494.1	1
17	5494.1	1
18	5495.3	1
19	5494.5	1
20	5495.7	1
21	5503.1	1
22	5506.3	1
23	5502.3	1
24	5504.3	1
25	5506.7	1
26	5503.1	1
27	5503.1	1
28	5503.9	1
29	5506.7	1
30	5503.9	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	96.4	1408		0.478822	1
1	2	6	86.1	1813		1.163474	
2	3	6	69.3	1346	1449	1.325763	
3	2	6	90.8	1771		2.279011	
4	2	6	55.3	1496		2.956805	
5	3	6	52.2	1720	1675	3.307360	
6	3	6	69.2	1888	1406	4.189463	
7	3	6	75.5	1730	1178	4.561649	
8	2	6	62.9	1297		5.341870	
9	2	6	67.7	1694		5.561434	
10	2	6	99.8	1803		6.550047	
11	2	6	50.3	1340		6.887874	
12	2	6	50.1	1768		7.314618	
13	2	6	87.3	1827		7.997835	
14	1	6	54.5			8.402606	
15	2	6	65.4	1051		9.424689	
16	2	6	67.6	1883		10.105955	
17	1	6	98.2			10.728949	
18	3	6	51.0	1804	1616	11.068157	
19	1	6	53.8			11.506742	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	66.3			0.553407	1
1	1	15	91.0			1.784240	
2	1	15	90.1			2.822960	
3	2	15	70.1	1550		3.272699	
4	1	15	88.8			4.372370	
5	1	15	87.5			5.503802	
6	2	15	68.4	1898		6.054210	
7	3	15	83.5	1114	1027	7.026102	
8	2	15	87.2	1088		8.302622	
9	2	15	82.5	1255		9.663465	
10	2	15	95.5	1534		10.160126	
11	1	15	72.7			11.003821	

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	7	78.8	1983	1777	1.117445	1
1	2	7	84.4	1229		2.006621	
2	1	7	58.3			2.621899	
3	2	7	93.0	1205		4.214868	
4	3	7	78.5	1258	1583	5.495236	
5	1	7	50.7			6.292122	
6	1	7	91.7			7.762262	
7	1	7	51.4			8.970062	
8	3	7	85.1	1025	1119	9.995950	
9	3	7	95.4	1683	1530	10.822490	

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	6	86.5	1794	1120	0.427670	1
1	2	6	75.6	1895		1.170180	
2	2	6	96.1	1197		1.683482	
3	3	6	79.0	1006	1763	2.131918	
4	2	6	93.9	1335		2.822442	
5	2	6	72.8	1808		3.473628	
6	2	6	69.9	1213		4.127442	
7	2	6	79.8	1310		5.008617	
8	2	6	61.7	1593		5.975357	
9	2	6	75.8	1325		6.378380	
10	1	6	68.3			6.946083	
11	3	6	50.9	1169	1700	7.500597	
12	2	6	92.0	1646		8.371665	
13	3	6	54.1	1532	1717	9.264684	
14	1	6	74.1			9.685340	
15	2	6	62.5	1075		10.644166	
16	1	6	66.2			11.055414	
17	1	6	80.4			11.372895	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	63.5			0.823892	1
1	3	10	71.7	1553	1897	1.858269	
2	2	10	99.9	1882		3.140163	
3	3	10	59.3	1761	1363	4.789617	
4	2	10	59.6	1736		5.400122	
5	3	10	58.6	1704	1834	6.930220	
6	3	10	93.9	1376	1222	8.129708	
7	2	10	61.5	1908		10.461286	
8	1	10	76.5			11.302270	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	65.1	1035	1153	0.208169	1
1	1	12	95.4			0.981459	
2	1	12	57.2			1.506387	
3	2	12	92.4	1830		2.331701	
4	2	12	53.3	1428		3.186358	
5	3	12	84.9	1095	1222	3.702135	
6	2	12	81.2	1982		4.031715	
7	2	12	73.5	1416		5.015381	
8	3	12	78.8	1136	1477	5.831086	
9	2	12	63.1	1909		6.596676	
10	1	12	61.9			7.077461	
11	1	12	68.4			7.498848	
12	1	12	61.5			8.515623	
13	1	12	95.2			9.102520	
14	3	12	58.3	1515	1206	9.851295	
15	2	12	65.9	1611		10.318517	
16	3	12	55.7	1725	1122	10.954714	
17	2	12	54.2	1892		11.842552	

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	99.1	1546		0.598770	1
1	1	11	92.5			0.862502	
2	1	11	50.2			1.723712	
3	1	11	61.2			3.118887	
4	2	11	68.4	1696		3.803122	
5	1	11	97.3			4.318480	
6	3	11	92.1	1694	1090	5.245020	
7	2	11	96.1	1058		6.070087	
8	1	11	65.0			6.675966	
9	3	11	91.7	1670	1721	7.320199	
10	3	11	61.4	1620	1554	8.691712	
11	2	11	55.1	1364		9.087566	
12	2	11	78.8	1842		10.047723	
13	2	11	55.3	1012		11.054321	
14	1	11	65.1			11.222286	

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	15	65.7	1074	1292	0.597078	1
1	3	15	74.8	1792	1960	0.925694	
2	2	15	62.7	1465		1.849399	
3	3	15	89.0	1012	1065	2.629731	
4	1	15	96.0			2.891617	
5	1	15	93.0			3.713126	
6	3	15	55.4	1603	1393	4.343003	
7	3	15	99.2	1916	1798	5.303922	
8	1	15	51.9			5.574987	
9	2	15	51.4	1911		6.167956	
10	2	15	72.1	1217		7.140889	
11	2	15	53.8	1405		7.813873	
12	3	15	89.4	1249	1689	8.334438	
13	2	15	86.9	1774		9.059602	
14	2	15	81.3	1138		9.920491	
15	2	15	67.3	1824		10.659846	
16	3	15	95.9	1279	1379	10.739586	
17	2	15	92.0	1296		11.489255	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	78.1	1934		0.738033	1
1	2	12	83.8	1355		1.285865	
2	3	12	61.7	1853	1951	2.096593	
3	1	12	96.9			2.259898	
4	1	12	52.1			3.217398	
5	1	12	74.6			3.906088	
6	2	12	69.1	1195		5.223748	
7	2	12	78.4	1474		5.776624	
8	2	12	75.6	1695		6.076483	
9	3	12	74.2	1892	1184	6.761919	
10	3	12	67.9	1157	1635	7.958459	
11	1	12	78.1			8.909707	
12	3	12	54.3	1023	1815	9.425798	
13	3	12	53.2	1224	1626	10.407601	
14	3	12	50.1	1286	1747	11.175725	
15	2	12	88.1	1636		11.537289	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	69.1	1183		0.293355	1
1	1	11	68.7			1.387185	
2	1	11	50.3			1.931977	
3	3	11	82.1	1782	1800	2.500698	
4	2	11	92.9	1676		3.445682	
5	1	11	83.9			4.140990	
6	2	11	89.4	1962		4.519015	
7	1	11	93.6			5.336332	
8	1	11	91.0			6.048153	
9	1	11	76.3			7.353219	
10	1	11	78.3			7.547387	
11	2	11	75.6	1275		8.945428	
12	2	11	81.1	1745		9.216215	
13	1	11	69.0			9.926605	
14	1	11	64.4			10.528507	
15	2	11	62.7	1219		11.789852	

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	19	97.5	1027		0.237476	1
1	3	19	97.5	1752	1480	0.967958	
2	1	19	64.7			1.866633	
3	1	19	81.7			2.753971	
4	3	19	75.5	1466	1267	3.256057	
5	2	19	85.7	1219		4.230815	
6	2	19	59.8	1994		4.733898	
7	2	19	84.2	1472		5.872486	
8	3	19	74.5	1210	1000	6.216722	
9	1	19	77.0			6.774342	
10	1	19	63.3			7.760080	
11	2	19	66.0	1859		8.994002	
12	2	19	97.7	1840		9.525163	
13	1	19	62.0			10.049759	
14	3	19	56.9	1740	1003	10.674489	
15	1	19	84.7			11.430503	

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	9	86.0	1207		0.612788	1
1	1	9	76.3			1.140273	
2	3	9	67.1	1447	1979	1.868158	
3	1	9	75.6			2.801905	
4	3	9	82.4	1189	1064	4.250699	
5	3	9	63.2	1351	1209	5.225760	
6	1	9	77.8			5.834340	
7	1	9	65.6			6.814621	
8	2	9	61.8	1336		8.278421	
9	2	9	56.2	1009		8.739158	
10	2	9	94.5	1929		10.056607	
11	2	9	62.1	1249		10.226654	
12	1	9	90.3			11.781592	

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	16	98.3			0.315274	1
1	2	16	75.9	1064		0.824905	
2	3	16	56.1	1992	1293	1.878225	
3	2	16	68.3	1330		2.336911	
4	2	16	69.3	1193		2.875356	
5	2	16	57.3	1716		3.631337	
6	2	16	71.2	1813		4.786248	
7	2	16	64.0	1319		5.191430	
8	1	16	58.7			5.814499	
9	2	16	98.7	1278		6.717258	
10	1	16	83.6			7.486780	
11	2	16	78.9	1279		7.802836	
12	3	16	77.8	1420	1385	8.739664	
13	2	16	82.0	1930		9.816228	
14	2	16	63.4	1202		10.347702	
15	3	16	55.7	1312	1032	10.825775	
16	3	16	96.5	1112	1649	11.839444	

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	15	71.6	1447		0.349186	1
1	1	15	89.6			0.768663	
2	2	15	68.8	1154		1.432277	
3	1	15	50.4			1.963072	
4	3	15	69.5	1523	1801	2.964909	
5	2	15	70.5	1907		3.476598	
6	1	15	84.8			4.059223	
7	3	15	88.5	1322	1124	4.752901	
8	3	15	91.9	1154	1134	5.589567	
9	1	15	73.2			6.072993	
10	1	15	55.6			6.709585	
11	3	15	85.0	1119	1739	7.377996	
12	2	15	97.3	1004		8.077472	
13	3	15	97.6	1764	1011	8.413086	
14	1	15	62.3			9.051458	
15	2	15	81.0	1007		9.860718	
16	2	15	68.5	1760		10.214125	
17	3	15	70.5	1817	1655	11.217618	
18	2	15	57.1	1461		11.830026	

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	14	90.2	1321	1874	0.230975	1
1	2	14	77.7	1561		1.175934	
2	2	14	61.2	1630		2.998344	
3	1	14	60.0			3.580749	
4	1	14	56.0			4.903066	
5	2	14	75.2	1579		6.139033	
6	1	14	83.7			6.999843	
7	1	14	92.3			8.245073	
8	3	14	67.1	1962	1336	9.550939	
9	1	14	61.7			10.120050	
10	3	14	95.2	1958	1604	11.857621	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	81.5	1850		0.428442	1
1	2	9	52.2	1493		1.567611	
2	2	9	54.5	1484		2.689219	
3	2	9	59.7	1851		4.134254	
4	3	9	55.4	1993	1123	5.652039	
5	3	9	60.7	1222	1935	7.709386	
6	2	9	56.9	1585		8.895651	
7	2	9	65.5	1417		10.189130	
8	1	9	60.6			11.458603	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	50.8	1668	1410	0.368908	1
1	2	9	61.7	1463		2.616612	
2	2	9	86.2	1122		3.861139	
3	2	9	75.7	1617		4.504777	
4	1	9	58.0			5.457725	
5	2	9	82.5	1863		7.390198	
6	1	9	99.6			8.778647	
7	1	9	53.2			10.545462	
8	1	9	78.2			10.799821	

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	62.3	1287	1316	0.566932	1
1	1	12	57.6			0.752536	
2	1	12	70.3			1.803698	
3	1	12	85.6			1.957977	
4	1	12	75.3			2.605154	
5	1	12	70.2			3.214353	
6	2	12	58.3	1064		3.898092	
7	2	12	63.9	1437		4.972041	
8	3	12	66.2	1812	1467	5.272639	
9	1	12	63.9			6.037976	
10	1	12	82.3			6.652131	
11	2	12	53.4	1559		7.282454	
12	1	12	72.6			7.931141	
13	1	12	93.4			8.674447	
14	2	12	52.5	1722		9.160479	
15	3	12	91.9	1037	1253	9.605869	
16	1	12	70.8			10.341842	
17	3	12	69.8	1080	1166	11.223826	
18	2	12	55.3	1808		11.801808	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	83.5	1790		0.200670	1
1	3	10	82.2	1799	1119	1.241628	
2	3	10	69.4	1709	1920	1.659402	
3	2	10	94.4	1762		2.131555	
4	2	10	50.2	1751		3.321773	
5	2	10	90.7	1421		4.186802	
6	2	10	66.0	1632		4.846953	
7	2	10	60.1	1041		5.081728	
8	2	10	84.4	1998		5.939682	
9	2	10	55.4	1728		6.612625	
10	2	10	83.6	1878		7.219220	
11	3	10	70.9	1418	1659	8.281566	
12	2	10	78.2	1532		8.817824	
13	3	10	65.5	1707	1727	9.377384	
14	3	10	50.1	1414	1483	10.522528	
15	1	10	76.4			11.046716	
16	2	10	80.7	1961		11.772876	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	71.8	1521	1114	0.409159	1
1	3	13	83.4	1103	1295	1.398877	
2	3	13	76.9	1988	1876	2.245311	
3	3	13	67.9	1292	1107	2.641608	
4	2	13	77.0	1213		4.029025	
5	3	13	88.4	1682	1197	4.459772	
6	2	13	73.6	1054		5.439912	
7	1	13	86.5			6.191044	
8	2	13	52.1	1240		7.470332	
9	1	13	58.7			8.310089	
10	2	13	64.5	1593		9.413084	
11	2	13	63.6	1425		9.659189	
12	2	13	50.6	1859		10.373585	
13	3	13	64.7	1556	1289	11.325701	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	66.1	1033		1.158759	1
1	3	16	77.7	1855	1853	1.611834	
2	1	16	55.2			3.337317	
3	2	16	81.8	1599		4.342213	
4	3	16	64.4	1763	1678	5.761982	
5	3	16	70.5	1691	1720	7.180053	
6	3	16	81.5	1121	1662	9.010142	
7	2	16	61.0	1469		9.720194	
8	2	16	76.0	1388		11.063023	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	60.3	1731		0.225097	1
1	2	8	86.8	1294		0.906706	
2	2	8	84.4	1280		2.058421	
3	2	8	83.3	1698		2.788607	
4	3	8	73.3	1951	1661	3.423408	
5	2	8	72.9	1642		4.073156	
6	1	8	94.1			4.838129	
7	2	8	71.8	1771		5.048463	
8	2	8	83.8	1982		6.080800	
9	1	8	77.4			6.465251	
10	3	8	96.5	1174	1254	7.699138	
11	2	8	86.1	1971		8.357866	
12	2	8	75.5	1985		8.772976	
13	1	8	50.9			9.819056	
14	2	8	81.1	1104		9.930526	
15	1	8	88.2			10.594210	
16	1	8	67.1			11.756703	

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	18	54.5	1784		1.064319	1
1	3	18	80.0	1179	1032	1.939815	
2	1	18	55.5			3.063864	
3	2	18	86.1	1907		4.079121	
4	3	18	93.7	1134	1138	4.766254	
5	3	18	92.6	1406	1549	6.493769	
6	1	18	95.0			7.168677	
7	2	18	82.4	1877		8.198893	
8	3	18	85.4	1229	1112	9.739617	
9	2	18	96.4	1485		9.970622	
10	2	18	69.1	1532		11.650702	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	67.7	1073		0.125084	1
1	2	13	87.7	1333		0.883210	
2	2	13	54.1	1215		2.115089	
3	2	13	52.0	1809		2.615994	
4	2	13	82.6	1470		3.535108	
5	3	13	89.5	1464	1906	4.783333	
6	3	13	83.5	1064	1903	5.972572	
7	1	13	73.0			6.504599	
8	2	13	85.4	1241		7.384579	
9	1	13	88.4			8.301525	
10	2	13	50.5	1647		8.717071	
11	2	13	96.8	1596		9.780422	
12	1	13	65.1			10.679006	
13	2	13	89.1	1198		11.824720	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	57.0	1021	1600	0.874407	1
1	1	7	92.7			1.167845	
2	2	7	74.4	1617		2.565025	
3	1	7	67.3			3.735695	
4	1	7	89.7			4.543264	
5	1	7	83.5			5.655076	
6	2	7	50.1	1096		7.444448	
7	3	7	94.3	1105	1906	8.570215	
8	1	7	90.5			8.987689	
9	1	7	72.4			10.232074	
10	2	7	61.0	1631		11.277602	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	58.3			0.591887	1
1	2	16	76.7	1724		1.756092	
2	3	16	86.6	1976	1927	2.254780	
3	2	16	50.5	1807		4.169394	
4	2	16	66.9	1064		4.705590	
5	2	16	68.2	1392		5.620044	
6	3	16	68.7	1925	1797	6.633471	
7	2	16	93.6	1861		8.216683	
8	3	16	95.4	1724	1942	8.951831	
9	2	16	68.3	1814		10.810702	
10	3	16	76.8	1702	1386	11.903955	

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	16	76.7			0.628487	1
1	2	16	66.9	1810		1.089306	
2	2	16	53.2	1981		1.708520	
3	3	16	70.2	1892	1434	2.256104	
4	3	16	71.4	1159	1133	3.063787	
5	2	16	57.4	1413		3.548811	
6	3	16	95.9	1833	1629	4.048662	
7	2	16	56.6	1794		5.166008	
8	3	16	71.2	1601	1242	5.502964	
9	1	16	97.9			6.538330	
10	1	16	74.7			7.048673	
11	2	16	51.0	1642		7.423038	
12	3	16	50.8	1659	1655	8.105786	
13	3	16	90.6	1971	1720	8.747894	
14	1	16	74.6			9.380573	
15	3	16	72.6	1179	1919	10.577989	
16	2	16	65.5	1766		11.320476	
17	2	16	59.4	1096		11.480309	

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	14	73.2	1801		0.060020	1
1	3	14	87.3	1059	1469	0.979909	
2	1	14	80.4			1.481702	
3	2	14	89.8	1927		2.382187	
4	2	14	77.4	1697		3.082067	
5	2	14	59.3	1495		3.621588	
6	2	14	62.5	1295		4.144677	
7	2	14	80.5	1056		4.910687	
8	3	14	59.4	1806	1726	5.176691	
9	2	14	72.6	1589		6.124310	
10	2	14	56.0	1189		6.811946	
11	2	14	60.6	1018		6.998676	
12	2	14	95.6	1471		8.068556	
13	2	14	77.5	1470		8.216207	
14	3	14	63.2	1636	1404	9.191240	
15	3	14	90.4	1641	1765	9.631129	
16	2	14	85.7	1486		10.691563	
17	1	14	61.8			11.111317	
18	1	14	59.5			11.910300	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	75.6	1496		1.204756	1
1	3	7	56.9	1627	1595	2.349081	
2	3	7	73.6	1729	1089	3.677537	
3	1	7	93.2			4.118505	
4	1	7	83.9			6.500657	
5	1	7	52.2			7.431773	
6	1	7	85.2			8.488227	
7	3	7	88.4	1441	1146	10.429857	
8	1	7	59.0			11.041745	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (uS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	77.7	1397		0.370930	1
1	3	14	72.8	1504	1837	0.922878	
2	2	14	82.9	1708		1.826136	
3	2	14	94.2	1225		2.210900	
4	3	14	88.5	1355	1125	2.634530	
5	2	14	52.2	1321		3.411063	
6	2	14	87.0	1266		3.892969	
7	2	14	77.1	1970		4.606674	
8	2	14	69.0	1492		5.326837	
9	1	14	93.7			5.718153	
10	2	14	85.2	1677		6.701968	
11	3	14	61.5	1596	1080	7.388522	
12	1	14	81.0			8.021405	
13	3	14	78.8	1932	1865	8.721819	
14	2	14	96.2	1175		8.903446	
15	3	14	96.7	1183	1735	9.964304	
16	2	14	95.7	1202		10.646864	
17	2	14	88.5	1114		11.306959	
18	3	14	90.4	1974	1177	11.710716	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500.0	9	1.0	333	1	5352.0, 5559.0, 5314.0, 5316.0, 5512.0, 5704.0, 5372.0, 5489.0, 5362.0, 5495.0, 5273.0, 5325.0, 5545.0, 5473.0, 5441.0, 5287.0, 5697.0, 5292.0, 5363.0, 5323.0, 5575.0, 5403.0, 5274.0, 5331.0, 5590.0, 5560.0, 5604.0, 5656.0, 5329.0, 5718.0, 5421.0, 5634.0, 5423.0, 5338.0, 5475.0, 5566.0, 5696.0, 5709.0, 5479.0, 5516.0, 5571.0, 5542.0, 5412.0, 5284.0, 5432.0, 5448.0, 5533.0, 5340.0, 5345.0, 5413.0, 5624.0, 5364.0, 5519.0, 5283.0, 5576.0, 5689.0, 5447.0, 5672.0, 5680.0, 5627.0, 5398.0, 5310.0, 5357.0, 5494.0, 5616.0, 5568.0, 5405.0, 5684.0, 5612.0, 5369.0, 5591.0, 5601.0, 5505.0, 5605.0, 5444.0, 5256.0, 5493.0, 5639.0, 5692.0, 5606.0, 5594.0, 5454.0, 5570.0, 5420.0, 5707.0, 5525.0, 5631.0, 5488.0, 5424.0, 5641.0, 5673.0, 5276.0, 5678.0, 5722.0, 5499.0, 5468.0, 5646.0, 5341.0, 5427.0, 5529.0 (number of hits: 5)
2	5500.0	9	1.0	333	1	5442.0, 5418.0, 5446.0, 5313.0, 5401.0, 5673.0, 5441.0, 5374.0, 5260.0, 5371.0, 5512.0, 5510.0, 5454.0, 5505.0, 5359.0, 5715.0, 5689.0, 5281.0, 5663.0, 5473.0, 5722.0, 5518.0, 5403.0, 5283.0, 5311.0, 5639.0, 5533.0, 5334.0, 5274.0, 5702.0, 5664.0, 5587.0, 5452.0, 5480.0, 5516.0, 5653.0, 5303.0, 5381.0, 5672.0, 5554.0, 5280.0, 5549.0, 5482.0, 5251.0, 5493.0, 5308.0, 5400.0, 5252.0, 5307.0, 5555.0, 5601.0, 5544.0, 5619.0, 5576.0, 5573.0, 5472.0, 5616.0, 5593.0, 5591.0, 5455.0, 5632.0, 5665.0, 5357.0, 5699.0, 5254.0, 5494.0, 5431.0, 5330.0, 5570.0, 5508.0, 5623.0, 5437.0, 5338.0, 5315.0, 5407.0, 5429.0, 5696.0, 5604.0, 5708.0, 5610.0, 5624.0, 5369.0, 5655.0, 5467.0, 5579.0, 5270.0, 5457.0, 5584.0, 5571.0, 5383.0, 5453.0, 5559.0, 5449.0, 5335.0, 5556.0, 5420.0, 5340.0, 5448.0, 5630.0, 5700.0 (number of hits: 4)
3	5500.0	9	1.0	333	1	5340.0, 5347.0, 5447.0, 5656.0, 5535.0, 5431.0, 5661.0, 5405.0, 5586.0, 5528.0, 5330.0, 5259.0, 5706.0, 5310.0, 5275.0, 5408.0, 5579.0, 5394.0, 5294.0, 5361.0, 5683.0, 5383.0, 5616.0, 5278.0, 5402.0, 5481.0, 5492.0, 5442.0, 5486.0, 5536.0, 5327.0, 5638.0, 5319.0, 5322.0, 5320.0, 5325.0, 5316.0, 5659.0, 5663.0, 5468.0, 5560.0, 5282.0, 5314.0, 5530.0, 5692.0, 5721.0, 5435.0, 5482.0, 5267.0, 5429.0, 5254.0, 5533.0, 5295.0, 5691.0, 5274.0, 5292.0, 5546.0, 5504.0, 5701.0, 5559.0, 5524.0, 5440.0, 5366.0, 5602.0, 5570.0, 5398.0, 5547.0, 5463.0, 5641.0, 5622.0, 5257.0, 5539.0, 5308.0, 5359.0, 5413.0, 5684.0, 5512.0, 5329.0, 5712.0, 5514.0, 5334.0, 5614.0, 5591.0, 5289.0, 5263.0, 5304.0, 5455.0, 5378.0, 5537.0, 5321.0, 5368.0, 5392.0, 5612.0, 5438.0, 5585.0, 5487.0, 5344.0, 5497.0, 5279.0, 5708.0 (number of hits: 3)
4	5500.0	9	1.0	333	1	5723.0, 5378.0, 5338.0, 5636.0, 5666.0, 5678.0, 5326.0, 5325.0, 5496.0, 5507.0, 5397.0, 5259.0, 5291.0, 5539.0, 5587.0, 5471.0, 5457.0, 5389.0, 5414.0, 5543.0, 5541.0, 5385.0, 5327.0, 5601.0, 5519.0, 5697.0, 5612.0, 5698.0, 5418.0, 5625.0, 5628.0, 5531.0, 5319.0, 5670.0, 5501.0, 5434.0, 5299.0, 5257.0, 5652.0, 5554.0, 5357.0, 5404.0, 5255.0, 5252.0, 5428.0, 5407.0, 5573.0, 5334.0, 5567.0, 5589.0, 5263.0, 5354.0, 5693.0, 5558.0, 5556.0, 5687.0, 5660.0, 5579.0, 5436.0, 5364.0, 5503.0, 5405.0, 5400.0, 5423.0, 5499.0, 5695.0, 5346.0, 5669.0, 5535.0, 5486.0,

						5274.0, 5572.0, 5598.0, 5467.0, 5253.0, 5310.0, 5546.0, 5715.0, 5523.0, 5560.0, 5521.0, 5260.0, 5483.0, 5391.0, 5332.0, 5373.0, 5390.0, 5555.0, 5629.0, 5525.0, 5524.0, 5480.0, 5551.0, 5409.0, 5297.0, 5538.0, 5276.0, 5392.0, 5649.0, 5288.0 (number of hits: 5)
5	5500.0	9	1.0	333	1	5661.0, 5594.0, 5714.0, 5516.0, 5305.0, 5463.0, 5396.0, 5636.0, 5318.0, 5317.0, 5572.0, 5276.0, 5338.0, 5523.0, 5608.0, 5398.0, 5452.0, 5462.0, 5419.0, 5339.0, 5582.0, 5705.0, 5255.0, 5359.0, 5288.0, 5310.0, 5542.0, 5367.0, 5354.0, 5675.0, 5548.0, 5603.0, 5447.0, 5280.0, 5680.0, 5299.0, 5492.0, 5704.0, 5261.0, 5379.0, 5468.0, 5617.0, 5718.0, 5529.0, 5564.0, 5366.0, 5326.0, 5597.0, 5684.0, 5458.0, 5410.0, 5450.0, 5402.0, 5414.0, 5406.0, 5687.0, 5630.0, 5512.0, 5551.0, 5481.0, 5335.0, 5692.0, 5405.0, 5571.0, 5578.0, 5604.0, 5321.0, 5717.0, 5511.0, 5638.0, 5579.0, 5295.0, 5631.0, 5365.0, 5407.0, 5655.0, 5369.0, 5667.0, 5352.0, 5260.0, 5439.0, 5693.0, 5383.0, 5252.0, 5546.0, 5515.0, 5451.0, 5589.0, 5331.0, 5435.0, 5683.0, 5309.0, 5613.0, 5327.0, 5283.0, 5353.0, 5268.0, 5357.0, 5420.0, 5521.0 (number of hits: 1)
6	5500.0	9	1.0	333	1	5430.0, 5295.0, 5495.0, 5483.0, 5676.0, 5442.0, 5470.0, 5501.0, 5343.0, 5408.0, 5486.0, 5520.0, 5424.0, 5512.0, 5289.0, 5437.0, 5515.0, 5290.0, 5365.0, 5701.0, 5627.0, 5550.0, 5428.0, 5707.0, 5491.0, 5457.0, 5714.0, 5371.0, 5636.0, 5595.0, 5441.0, 5461.0, 5691.0, 5346.0, 5539.0, 5482.0, 5572.0, 5570.0, 5484.0, 5625.0, 5477.0, 5472.0, 5678.0, 5578.0, 5630.0, 5597.0, 5599.0, 5364.0, 5270.0, 5619.0, 5347.0, 5485.0, 5380.0, 5455.0, 5407.0, 5254.0, 5403.0, 5641.0, 5579.0, 5330.0, 5541.0, 5333.0, 5354.0, 5662.0, 5313.0, 5684.0, 5368.0, 5681.0, 5300.0, 5339.0, 5594.0, 5568.0, 5480.0, 5620.0, 5719.0, 5574.0, 5673.0, 5643.0, 5281.0, 5558.0, 5505.0, 5422.0, 5481.0, 5670.0, 5285.0, 5453.0, 5397.0, 5522.0, 5344.0, 5325.0, 5406.0, 5660.0, 5478.0, 5652.0, 5351.0, 5661.0, 5553.0, 5377.0, 5664.0, 5376.0 (number of hits: 4)
7	5500.0	9	1.0	333	1	5537.0, 5653.0, 5646.0, 5652.0, 5337.0, 5651.0, 5700.0, 5329.0, 5585.0, 5361.0, 5642.0, 5381.0, 5300.0, 5630.0, 5570.0, 5634.0, 5573.0, 5376.0, 5536.0, 5694.0, 5699.0, 5258.0, 5272.0, 5542.0, 5397.0, 5486.0, 5379.0, 5278.0, 5718.0, 5453.0, 5628.0, 5617.0, 5485.0, 5293.0, 5672.0, 5323.0, 5461.0, 5721.0, 5386.0, 5463.0, 5644.0, 5404.0, 5584.0, 5613.0, 5518.0, 5403.0, 5559.0, 5310.0, 5285.0, 5598.0, 5711.0, 5255.0, 5315.0, 5301.0, 5430.0, 5645.0, 5657.0, 5593.0, 5389.0, 5298.0, 5695.0, 5260.0, 5405.0, 5433.0, 5513.0, 5481.0, 5257.0, 5451.0, 5391.0, 5416.0, 5457.0, 5452.0, 5555.0, 5363.0, 5281.0, 5544.0, 5387.0, 5676.0, 5627.0, 5454.0, 5354.0, 5705.0, 5384.0, 5500.0, 5690.0, 5358.0, 5521.0, 5629.0, 5550.0, 5423.0, 5674.0, 5359.0, 5622.0, 5665.0, 5375.0, 5417.0, 5394.0, 5502.0, 5377.0, 5702.0 (number of hits: 2)
8	5500.0	9	1.0	333	1	5300.0, 5492.0, 5378.0, 5689.0, 5257.0, 5462.0, 5636.0, 5572.0, 5620.0, 5396.0, 5674.0, 5649.0, 5424.0, 5640.0, 5517.0, 5427.0, 5338.0, 5266.0, 5422.0, 5417.0, 5500.0, 5297.0, 5625.0, 5384.0, 5701.0, 5628.0, 5687.0, 5411.0, 5710.0, 5440.0, 5329.0, 5438.0, 5380.0, 5457.0, 5347.0, 5695.0, 5723.0, 5420.0, 5551.0, 5357.0, 5707.0, 5591.0, 5554.0, 5404.0, 5398.0, 5379.0, 5626.0, 5367.0, 5624.0, 5447.0, 5719.0, 5389.0, 5408.0, 5671.0, 5581.0, 5585.0, 5503.0, 5493.0, 5673.0, 5561.0, 5528.0, 5606.0, 5513.0, 5402.0, 5516.0, 5395.0, 5479.0, 5502.0, 5575.0, 5441.0, 5268.0, 5668.0, 5659.0, 5393.0, 5487.0, 5360.0, 5387.0,

						5308.0, 5603.0, 5543.0, 5260.0, 5489.0, 5523.0, 5431.0, 5399.0, 5717.0, 5270.0, 5684.0, 5597.0, 5530.0, 5596.0, 5371.0, 5577.0, 5259.0, 5520.0, 5361.0, 5280.0, 5458.0, 5355.0, 5253.0 (number of hits: 5)
9	5500.0	9	1.0	333	1	5408.0, 5512.0, 5460.0, 5420.0, 5484.0, 5548.0, 5629.0, 5720.0, 5615.0, 5360.0, 5517.0, 5386.0, 5557.0, 5327.0, 5473.0, 5531.0, 5345.0, 5401.0, 5444.0, 5549.0, 5614.0, 5515.0, 5608.0, 5271.0, 5441.0, 5683.0, 5404.0, 5708.0, 5604.0, 5689.0, 5536.0, 5439.0, 5324.0, 5703.0, 5459.0, 5287.0, 5675.0, 5498.0, 5510.0, 5610.0, 5471.0, 5375.0, 5417.0, 5366.0, 5618.0, 5494.0, 5474.0, 5554.0, 5560.0, 5319.0, 5253.0, 5586.0, 5602.0, 5321.0, 5637.0, 5665.0, 5490.0, 5601.0, 5593.0, 5392.0, 5662.0, 5272.0, 5472.0, 5674.0, 5304.0, 5492.0, 5261.0, 5526.0, 5446.0, 5299.0, 5718.0, 5540.0, 5511.0, 5585.0, 5569.0, 5690.0, 5250.0, 5399.0, 5320.0, 5553.0, 5583.0, 5254.0, 5568.0, 5537.0, 5422.0, 5293.0, 5289.0, 5296.0, 5353.0, 5535.0, 5660.0, 5376.0, 5438.0, 5280.0, 5303.0, 5707.0, 5273.0, 5369.0, 5508.0, 5410.0 (number of hits: 5)
10	5500.0	9	1.0	333	1	5434.0, 5612.0, 5431.0, 5714.0, 5427.0, 5630.0, 5705.0, 5507.0, 5545.0, 5604.0, 5638.0, 5480.0, 5543.0, 5559.0, 5562.0, 5390.0, 5619.0, 5658.0, 5393.0, 5325.0, 5555.0, 5565.0, 5381.0, 5694.0, 5396.0, 5721.0, 5700.0, 5304.0, 5696.0, 5688.0, 5291.0, 5558.0, 5355.0, 5443.0, 5426.0, 5471.0, 5265.0, 5364.0, 5318.0, 5500.0, 5492.0, 5576.0, 5516.0, 5482.0, 5709.0, 5588.0, 5580.0, 5560.0, 5592.0, 5300.0, 5386.0, 5270.0, 5698.0, 5478.0, 5549.0, 5639.0, 5525.0, 5691.0, 5477.0, 5673.0, 5589.0, 5618.0, 5485.0, 5387.0, 5464.0, 5577.0, 5254.0, 5657.0, 5498.0, 5554.0, 5597.0, 5654.0, 5268.0, 5266.0, 5340.0, 5499.0, 5306.0, 5686.0, 5388.0, 5643.0, 5269.0, 5399.0, 5646.0, 5324.0, 5460.0, 5605.0, 5676.0, 5689.0, 5632.0, 5635.0, 5256.0, 5687.0, 5423.0, 5636.0, 5346.0, 5571.0, 5719.0, 5351.0, 5708.0, 5374.0 (number of hits: 5)
11	5500.0	9	1.0	333	1	5709.0, 5396.0, 5580.0, 5446.0, 5513.0, 5380.0, 5581.0, 5271.0, 5438.0, 5496.0, 5552.0, 5456.0, 5524.0, 5618.0, 5424.0, 5710.0, 5421.0, 5283.0, 5640.0, 5350.0, 5702.0, 5390.0, 5518.0, 5627.0, 5465.0, 5252.0, 5616.0, 5317.0, 5532.0, 5631.0, 5625.0, 5583.0, 5394.0, 5517.0, 5498.0, 5310.0, 5522.0, 5479.0, 5354.0, 5645.0, 5695.0, 5453.0, 5502.0, 5412.0, 5599.0, 5266.0, 5528.0, 5703.0, 5462.0, 5607.0, 5366.0, 5546.0, 5482.0, 5322.0, 5586.0, 5309.0, 5339.0, 5507.0, 5267.0, 5409.0, 5400.0, 5585.0, 5330.0, 5677.0, 5675.0, 5541.0, 5609.0, 5254.0, 5304.0, 5548.0, 5297.0, 5531.0, 5606.0, 5512.0, 5644.0, 5719.0, 5682.0, 5589.0, 5460.0, 5428.0, 5281.0, 5692.0, 5714.0, 5687.0, 5540.0, 5389.0, 5359.0, 5596.0, 5426.0, 5316.0, 5722.0, 5527.0, 5660.0, 5379.0, 5651.0, 5493.0, 5312.0, 5401.0, 5684.0, 5425.0 (number of hits: 5)
12	5500.0	9	1.0	333	1	5282.0, 5258.0, 5337.0, 5341.0, 5434.0, 5693.0, 5369.0, 5670.0, 5296.0, 5272.0, 5719.0, 5522.0, 5363.0, 5677.0, 5633.0, 5275.0, 5630.0, 5419.0, 5682.0, 5643.0, 5544.0, 5448.0, 5311.0, 5490.0, 5477.0, 5708.0, 5688.0, 5567.0, 5332.0, 5644.0, 5349.0, 5531.0, 5692.0, 5685.0, 5383.0, 5325.0, 5256.0, 5314.0, 5451.0, 5566.0, 5597.0, 5691.0, 5636.0, 5583.0, 5658.0, 5343.0, 5365.0, 5584.0, 5446.0, 5334.0, 5684.0, 5494.0, 5512.0, 5384.0, 5342.0, 5324.0, 5482.0, 5543.0, 5370.0, 5660.0, 5646.0, 5593.0, 5285.0, 5560.0, 5700.0, 5297.0, 5516.0, 5641.0, 5441.0, 5683.0, 5359.0, 5353.0, 5602.0, 5537.0, 5495.0, 5550.0, 5628.0, 5472.0, 5638.0, 5402.0, 5586.0, 5695.0, 5706.0, 5563.0,

						5444.0, 5605.0, 5484.0, 5589.0, 5623.0, 5558.0, 5291.0, 5524.0, 5457.0, 5548.0, 5701.0, 5504.0, 5518.0, 5318.0, 5320.0, 5306.0 (number of hits: 4)
13	5500.0	9	1.0	333	1	5513.0, 5576.0, 5464.0, 5663.0, 5316.0, 5484.0, 5326.0, 5649.0, 5383.0, 5506.0, 5358.0, 5601.0, 5339.0, 5559.0, 5443.0, 5717.0, 5487.0, 5435.0, 5455.0, 5532.0, 5647.0, 5597.0, 5547.0, 5319.0, 5519.0, 5625.0, 5645.0, 5700.0, 5350.0, 5540.0, 5716.0, 5633.0, 5589.0, 5583.0, 5394.0, 5684.0, 5489.0, 5407.0, 5626.0, 5404.0, 5704.0, 5498.0, 5258.0, 5630.0, 5592.0, 5615.0, 5428.0, 5711.0, 5304.0, 5439.0, 5572.0, 5290.0, 5665.0, 5465.0, 5434.0, 5706.0, 5275.0, 5588.0, 5614.0, 5693.0, 5336.0, 5543.0, 5283.0, 5414.0, 5341.0, 5560.0, 5345.0, 5605.0, 5371.0, 5292.0, 5280.0, 5508.0, 5574.0, 5423.0, 5718.0, 5380.0, 5690.0, 5268.0, 5315.0, 5570.0, 5698.0, 5699.0, 5504.0, 5308.0, 5722.0, 5468.0, 5395.0, 5348.0, 5411.0, 5536.0, 5607.0, 5347.0, 5546.0, 5695.0, 5551.0, 5668.0, 5612.0, 5261.0, 5451.0, 5686.0 (number of hits: 4)
14	5500.0	9	1.0	333	1	5441.0, 5669.0, 5550.0, 5505.0, 5584.0, 5306.0, 5264.0, 5723.0, 5316.0, 5289.0, 5287.0, 5488.0, 5260.0, 5594.0, 5252.0, 5490.0, 5636.0, 5459.0, 5355.0, 5398.0, 5449.0, 5628.0, 5377.0, 5541.0, 5493.0, 5500.0, 5542.0, 5399.0, 5621.0, 5554.0, 5436.0, 5604.0, 5700.0, 5714.0, 5685.0, 5624.0, 5460.0, 5721.0, 5409.0, 5562.0, 5555.0, 5552.0, 5444.0, 5623.0, 5712.0, 5626.0, 5348.0, 5546.0, 5251.0, 5368.0, 5301.0, 5350.0, 5613.0, 5425.0, 5686.0, 5673.0, 5383.0, 5379.0, 5408.0, 5571.0, 5326.0, 5606.0, 5684.0, 5666.0, 5585.0, 5485.0, 5722.0, 5324.0, 5454.0, 5527.0, 5395.0, 5307.0, 5709.0, 5716.0, 5434.0, 5629.0, 5322.0, 5422.0, 5419.0, 5598.0, 5537.0, 5529.0, 5670.0, 5391.0, 5619.0, 5631.0, 5304.0, 5658.0, 5302.0, 5275.0, 5283.0, 5305.0, 5390.0, 5570.0, 5545.0, 5565.0, 5702.0, 5680.0, 5406.0, 5696.0 (number of hits: 4)
15	5500.0	9	1.0	333	1	5715.0, 5570.0, 5259.0, 5406.0, 5517.0, 5602.0, 5480.0, 5416.0, 5720.0, 5579.0, 5615.0, 5612.0, 5260.0, 5284.0, 5675.0, 5669.0, 5666.0, 5340.0, 5575.0, 5369.0, 5363.0, 5314.0, 5368.0, 5411.0, 5722.0, 5595.0, 5557.0, 5255.0, 5370.0, 5396.0, 5478.0, 5303.0, 5410.0, 5548.0, 5459.0, 5611.0, 5560.0, 5568.0, 5540.0, 5589.0, 5317.0, 5650.0, 5256.0, 5590.0, 5435.0, 5277.0, 5276.0, 5409.0, 5700.0, 5664.0, 5577.0, 5624.0, 5631.0, 5265.0, 5267.0, 5287.0, 5456.0, 5403.0, 5352.0, 5384.0, 5404.0, 5709.0, 5442.0, 5537.0, 5695.0, 5576.0, 5653.0, 5600.0, 5293.0, 5555.0, 5510.0, 5351.0, 5335.0, 5292.0, 5659.0, 5253.0, 5489.0, 5704.0, 5580.0, 5672.0, 5608.0, 5508.0, 5313.0, 5606.0, 5683.0, 5718.0, 5561.0, 5452.0, 5487.0, 5652.0, 5571.0, 5477.0, 5688.0, 5471.0, 5347.0, 5343.0, 5613.0, 5545.0, 5324.0, 5698.0 (number of hits: 1)
16	5500.0	9	1.0	333	0	
17	5500.0	9	1.0	333	1	5467.0, 5258.0, 5476.0, 5414.0, 5525.0, 5629.0, 5622.0, 5471.0, 5310.0, 5285.0, 5717.0, 5341.0, 5479.0, 5495.0, 5419.0, 5518.0, 5654.0, 5539.0, 5411.0, 5721.0, 5709.0, 5691.0, 5460.0, 5312.0, 5670.0, 5679.0, 5273.0, 5576.0, 5417.0, 5296.0, 5358.0, 5574.0, 5494.0, 5672.0, 5673.0, 5645.0, 5617.0, 5338.0, 5353.0, 5658.0, 5491.0, 5696.0, 5684.0, 5291.0, 5295.0, 5517.0, 5388.0, 5412.0, 5692.0, 5444.0, 5400.0, 5408.0, 5689.0, 5283.0, 5607.0, 5396.0, 5306.0, 5578.0, 5363.0, 5371.0, 5657.0, 5593.0, 5423.0, 5451.0, 5334.0, 5252.0, 5631.0, 5457.0, 5555.0, 5580.0, 5427.0, 5596.0, 5374.0, 5393.0, 5484.0, 5601.0, 5321.0, 5519.0, 5289.0, 5286.0, 5625.0, 5557.0, 5695.0, 5432.0,

						5415.0, 5602.0, 5706.0, 5372.0, 5290.0, 5298.0, 5255.0, 5292.0, 5350.0, 5572.0, 5713.0, 5711.0, 5475.0, 5704.0, 5588.0, 5387.0 (number of hits: 3)
18	5500.0	9	1.0	333	1	5462.0, 5341.0, 5635.0, 5490.0, 5723.0, 5446.0, 5415.0, 5529.0, 5289.0, 5332.0, 5639.0, 5558.0, 5358.0, 5613.0, 5709.0, 5596.0, 5683.0, 5251.0, 5578.0, 5273.0, 5435.0, 5389.0, 5496.0, 5284.0, 5261.0, 5298.0, 5371.0, 5692.0, 5349.0, 5655.0, 5439.0, 5437.0, 5663.0, 5267.0, 5327.0, 5499.0, 5536.0, 5584.0, 5493.0, 5398.0, 5668.0, 5347.0, 5322.0, 5696.0, 5513.0, 5599.0, 5391.0, 5522.0, 5390.0, 5293.0, 5569.0, 5362.0, 5325.0, 5504.0, 5567.0, 5351.0, 5489.0, 5449.0, 5586.0, 5400.0, 5361.0, 5295.0, 5581.0, 5255.0, 5597.0, 5644.0, 5262.0, 5467.0, 5623.0, 5527.0, 5594.0, 5717.0, 5555.0, 5401.0, 5561.0, 5524.0, 5346.0, 5552.0, 5649.0, 5424.0, 5721.0, 5720.0, 5621.0, 5406.0, 5258.0, 5516.0, 5265.0, 5403.0, 5317.0, 5320.0, 5270.0, 5715.0, 5625.0, 5383.0, 5693.0, 5476.0, 5547.0, 5308.0, 5690.0, 5559.0 (number of hits: 5)
19	5500.0	9	1.0	333	1	5610.0, 5479.0, 5684.0, 5363.0, 5592.0, 5309.0, 5388.0, 5628.0, 5502.0, 5256.0, 5366.0, 5549.0, 5531.0, 5402.0, 5695.0, 5273.0, 5504.0, 5403.0, 5267.0, 5449.0, 5435.0, 5573.0, 5672.0, 5674.0, 5582.0, 5650.0, 5330.0, 5537.0, 5375.0, 5673.0, 5647.0, 5716.0, 5587.0, 5378.0, 5293.0, 5281.0, 5345.0, 5640.0, 5385.0, 5427.0, 5631.0, 5414.0, 5283.0, 5359.0, 5683.0, 5292.0, 5410.0, 5411.0, 5328.0, 5390.0, 5389.0, 5306.0, 5656.0, 5347.0, 5554.0, 5438.0, 5721.0, 5712.0, 5538.0, 5335.0, 5424.0, 5714.0, 5317.0, 5380.0, 5643.0, 5406.0, 5441.0, 5533.0, 5252.0, 5369.0, 5464.0, 5251.0, 5421.0, 5399.0, 5666.0, 5447.0, 5302.0, 5340.0, 5316.0, 5634.0, 5284.0, 5617.0, 5392.0, 5670.0, 5687.0, 5445.0, 5420.0, 5324.0, 5400.0, 5394.0, 5662.0, 5704.0, 5547.0, 5405.0, 5437.0, 5278.0, 5491.0, 5398.0, 5419.0, 5550.0 (number of hits: 3)
20	5500.0	9	1.0	333	1	5598.0, 5701.0, 5649.0, 5716.0, 5460.0, 5313.0, 5483.0, 5537.0, 5554.0, 5637.0, 5603.0, 5394.0, 5694.0, 5708.0, 5695.0, 5496.0, 5292.0, 5447.0, 5402.0, 5498.0, 5606.0, 5400.0, 5319.0, 5327.0, 5380.0, 5676.0, 5427.0, 5614.0, 5613.0, 5362.0, 5535.0, 5476.0, 5576.0, 5347.0, 5398.0, 5547.0, 5409.0, 5660.0, 5290.0, 5486.0, 5552.0, 5261.0, 5276.0, 5593.0, 5489.0, 5293.0, 5349.0, 5692.0, 5515.0, 5479.0, 5631.0, 5436.0, 5454.0, 5620.0, 5668.0, 5679.0, 5458.0, 5286.0, 5301.0, 5366.0, 5501.0, 5651.0, 5273.0, 5297.0, 5417.0, 5378.0, 5278.0, 5495.0, 5338.0, 5634.0, 5268.0, 5596.0, 5358.0, 5574.0, 5622.0, 5351.0, 5591.0, 5719.0, 5407.0, 5610.0, 5520.0, 5630.0, 5608.0, 5274.0, 5277.0, 5680.0, 5640.0, 5626.0, 5333.0, 5384.0, 5344.0, 5446.0, 5388.0, 5532.0, 5439.0, 5560.0, 5611.0, 5531.0, 5416.0, 5639.0 (number of hits: 4)
21	5500.0	9	1.0	333	1	5679.0, 5603.0, 5643.0, 5473.0, 5672.0, 5321.0, 5352.0, 5568.0, 5656.0, 5595.0, 5283.0, 5470.0, 5680.0, 5648.0, 5544.0, 5640.0, 5297.0, 5698.0, 5565.0, 5453.0, 5506.0, 5409.0, 5527.0, 5316.0, 5429.0, 5317.0, 5701.0, 5709.0, 5421.0, 5548.0, 5713.0, 5432.0, 5382.0, 5361.0, 5652.0, 5260.0, 5468.0, 5327.0, 5515.0, 5469.0, 5430.0, 5286.0, 5691.0, 5502.0, 5416.0, 5536.0, 5550.0, 5551.0, 5272.0, 5543.0, 5494.0, 5505.0, 5653.0, 5641.0, 5535.0, 5582.0, 5384.0, 5628.0, 5516.0, 5445.0, 5461.0, 5319.0, 5573.0, 5456.0, 5705.0, 5489.0, 5341.0, 5371.0, 5681.0, 5624.0, 5712.0, 5566.0, 5685.0, 5671.0, 5391.0, 5460.0, 5558.0, 5522.0, 5278.0, 5512.0, 5495.0, 5617.0, 5686.0, 5262.0, 5343.0, 5267.0, 5583.0, 5599.0, 5375.0, 5613.0, 5393.0,

						5638.0, 5693.0, 5589.0, 5588.0, 5305.0, 5571.0, 5532.0, 5367.0, 5598.0 (number of hits: 5)
22	5500.0	9	1.0	333	1	5510.0, 5337.0, 5356.0, 5367.0, 5449.0, 5598.0, 5407.0, 5267.0, 5693.0, 5438.0, 5284.0, 5560.0, 5513.0, 5523.0, 5270.0, 5480.0, 5365.0, 5631.0, 5707.0, 5483.0, 5497.0, 5528.0, 5335.0, 5688.0, 5656.0, 5281.0, 5442.0, 5269.0, 5658.0, 5273.0, 5690.0, 5490.0, 5431.0, 5310.0, 5714.0, 5713.0, 5471.0, 5565.0, 5669.0, 5391.0, 5445.0, 5580.0, 5361.0, 5607.0, 5454.0, 5589.0, 5643.0, 5715.0, 5586.0, 5380.0, 5554.0, 5404.0, 5687.0, 5549.0, 5596.0, 5651.0, 5287.0, 5352.0, 5535.0, 5540.0, 5614.0, 5636.0, 5318.0, 5508.0, 5440.0, 5444.0, 5413.0, 5348.0, 5710.0, 5453.0, 5662.0, 5701.0, 5422.0, 5256.0, 5479.0, 5545.0, 5254.0, 5563.0, 5615.0, 5653.0, 5290.0, 5652.0, 5492.0, 5518.0, 5570.0, 5645.0, 5434.0, 5499.0, 5312.0, 5648.0, 5609.0, 5514.0, 5530.0, 5604.0, 5595.0, 5493.0, 5702.0, 5332.0, 5257.0, 5605.0 (number of hits: 6)
23	5500.0	9	1.0	333	1	5286.0, 5653.0, 5645.0, 5616.0, 5658.0, 5553.0, 5317.0, 5353.0, 5380.0, 5421.0, 5508.0, 5355.0, 5433.0, 5269.0, 5636.0, 5623.0, 5500.0, 5293.0, 5361.0, 5365.0, 5592.0, 5254.0, 5581.0, 5596.0, 5446.0, 5305.0, 5535.0, 5470.0, 5684.0, 5642.0, 5263.0, 5320.0, 5447.0, 5371.0, 5298.0, 5351.0, 5494.0, 5600.0, 5689.0, 5505.0, 5510.0, 5323.0, 5704.0, 5664.0, 5720.0, 5603.0, 5548.0, 5582.0, 5678.0, 5464.0, 5278.0, 5396.0, 5280.0, 5569.0, 5665.0, 5671.0, 5282.0, 5633.0, 5601.0, 5440.0, 5487.0, 5593.0, 5389.0, 5651.0, 5640.0, 5544.0, 5576.0, 5256.0, 5590.0, 5277.0, 5706.0, 5370.0, 5638.0, 5386.0, 5350.0, 5255.0, 5617.0, 5685.0, 5483.0, 5586.0, 5712.0, 5357.0, 5660.0, 5266.0, 5716.0, 5676.0, 5346.0, 5431.0, 5674.0, 5478.0, 5313.0, 5650.0, 5324.0, 5511.0, 5391.0, 5688.0, 5261.0, 5465.0, 5308.0, 5542.0 (number of hits: 4)
24	5500.0	9	1.0	333	1	5395.0, 5384.0, 5304.0, 5616.0, 5487.0, 5521.0, 5533.0, 5379.0, 5411.0, 5347.0, 5631.0, 5299.0, 5367.0, 5267.0, 5695.0, 5593.0, 5660.0, 5554.0, 5581.0, 5679.0, 5426.0, 5291.0, 5450.0, 5252.0, 5529.0, 5617.0, 5300.0, 5657.0, 5666.0, 5355.0, 5254.0, 5266.0, 5389.0, 5313.0, 5668.0, 5656.0, 5364.0, 5603.0, 5270.0, 5331.0, 5686.0, 5344.0, 5441.0, 5550.0, 5503.0, 5478.0, 5328.0, 5353.0, 5477.0, 5428.0, 5595.0, 5596.0, 5555.0, 5620.0, 5459.0, 5485.0, 5552.0, 5474.0, 5602.0, 5401.0, 5259.0, 5605.0, 5592.0, 5333.0, 5386.0, 5462.0, 5320.0, 5458.0, 5251.0, 5551.0, 5409.0, 5688.0, 5420.0, 5339.0, 5363.0, 5498.0, 5465.0, 5600.0, 5507.0, 5430.0, 5607.0, 5387.0, 5697.0, 5553.0, 5305.0, 5393.0, 5510.0, 5374.0, 5262.0, 5643.0, 5511.0, 5338.0, 5650.0, 5443.0, 5265.0, 5483.0, 5396.0, 5473.0, 5518.0, 5489.0 (number of hits: 3)
25	5500.0	9	1.0	333	1	5637.0, 5380.0, 5574.0, 5610.0, 5351.0, 5490.0, 5672.0, 5381.0, 5713.0, 5454.0, 5291.0, 5558.0, 5406.0, 5685.0, 5537.0, 5423.0, 5432.0, 5702.0, 5446.0, 5607.0, 5372.0, 5459.0, 5318.0, 5665.0, 5655.0, 5348.0, 5255.0, 5316.0, 5521.0, 5535.0, 5483.0, 5697.0, 5524.0, 5532.0, 5261.0, 5299.0, 5612.0, 5469.0, 5689.0, 5453.0, 5271.0, 5557.0, 5682.0, 5481.0, 5520.0, 5491.0, 5488.0, 5536.0, 5363.0, 5274.0, 5262.0, 5552.0, 5320.0, 5533.0, 5473.0, 5615.0, 5399.0, 5419.0, 5264.0, 5592.0, 5414.0, 5514.0, 5477.0, 5679.0, 5587.0, 5403.0, 5671.0, 5373.0, 5424.0, 5714.0, 5687.0, 5456.0, 5461.0, 5356.0, 5369.0, 5319.0, 5619.0, 5638.0, 5297.0, 5680.0, 5563.0, 5259.0, 5675.0, 5260.0, 5344.0, 5560.0, 5397.0, 5476.0, 5405.0, 5309.0, 5465.0, 5343.0, 5422.0, 5312.0, 5282.0, 5527.0, 5426.0, 5590.0,

						5509.0, 5287.0 (number of hits: 3)
26	5500.0	9	1.0	333	1	5662.0, 5430.0, 5637.0, 5622.0, 5274.0, 5721.0, 5271.0, 5675.0, 5388.0, 5258.0, 5724.0, 5491.0, 5646.0, 5512.0, 5700.0, 5437.0, 5653.0, 5601.0, 5713.0, 5332.0, 5310.0, 5319.0, 5343.0, 5463.0, 5322.0, 5541.0, 5712.0, 5689.0, 5543.0, 5413.0, 5254.0, 5714.0, 5573.0, 5275.0, 5612.0, 5481.0, 5265.0, 5401.0, 5674.0, 5364.0, 5716.0, 5327.0, 5521.0, 5576.0, 5342.0, 5590.0, 5553.0, 5594.0, 5466.0, 5534.0, 5537.0, 5647.0, 5607.0, 5360.0, 5284.0, 5515.0, 5262.0, 5387.0, 5586.0, 5424.0, 5389.0, 5623.0, 5426.0, 5456.0, 5588.0, 5561.0, 5682.0, 5630.0, 5598.0, 5708.0, 5448.0, 5425.0, 5315.0, 5636.0, 5431.0, 5520.0, 5278.0, 5684.0, 5671.0, 5492.0, 5584.0, 5432.0, 5685.0, 5627.0, 5407.0, 5337.0, 5706.0, 5442.0, 5300.0, 5649.0, 5613.0, 5290.0, 5433.0, 5462.0, 5574.0, 5282.0, 5446.0, 5367.0, 5620.0, 5583.0 (number of hits: 2)
27	5500.0	9	1.0	333	1	5523.0, 5478.0, 5617.0, 5586.0, 5633.0, 5712.0, 5693.0, 5291.0, 5505.0, 5720.0, 5279.0, 5579.0, 5449.0, 5275.0, 5567.0, 5658.0, 5303.0, 5660.0, 5713.0, 5432.0, 5318.0, 5570.0, 5430.0, 5615.0, 5652.0, 5312.0, 5366.0, 5359.0, 5475.0, 5707.0, 5455.0, 5402.0, 5481.0, 5434.0, 5518.0, 5450.0, 5363.0, 5629.0, 5539.0, 5254.0, 5689.0, 5645.0, 5319.0, 5379.0, 5681.0, 5643.0, 5685.0, 5482.0, 5553.0, 5388.0, 5396.0, 5306.0, 5601.0, 5289.0, 5393.0, 5544.0, 5588.0, 5274.0, 5664.0, 5616.0, 5489.0, 5389.0, 5561.0, 5424.0, 5321.0, 5502.0, 5297.0, 5463.0, 5597.0, 5266.0, 5512.0, 5457.0, 5414.0, 5547.0, 5592.0, 5467.0, 5634.0, 5375.0, 5581.0, 5460.0, 5327.0, 5598.0, 5330.0, 5697.0, 5662.0, 5531.0, 5711.0, 5380.0, 5408.0, 5272.0, 5310.0, 5409.0, 5527.0, 5250.0, 5723.0, 5495.0, 5494.0, 5591.0, 5347.0, 5309.0 (number of hits: 4)
28	5500.0	9	1.0	333	1	5268.0, 5515.0, 5592.0, 5721.0, 5399.0, 5603.0, 5449.0, 5274.0, 5503.0, 5502.0, 5250.0, 5264.0, 5321.0, 5471.0, 5624.0, 5313.0, 5374.0, 5710.0, 5262.0, 5381.0, 5532.0, 5396.0, 5376.0, 5258.0, 5536.0, 5422.0, 5333.0, 5676.0, 5654.0, 5675.0, 5593.0, 5453.0, 5298.0, 5354.0, 5708.0, 5417.0, 5338.0, 5263.0, 5473.0, 5316.0, 5296.0, 5585.0, 5340.0, 5478.0, 5329.0, 5493.0, 5383.0, 5344.0, 5597.0, 5677.0, 5361.0, 5601.0, 5470.0, 5400.0, 5529.0, 5690.0, 5522.0, 5561.0, 5409.0, 5722.0, 5309.0, 5715.0, 5679.0, 5275.0, 5681.0, 5683.0, 5647.0, 5295.0, 5659.0, 5508.0, 5272.0, 5611.0, 5292.0, 5435.0, 5323.0, 5662.0, 5257.0, 5547.0, 5614.0, 5528.0, 5334.0, 5337.0, 5461.0, 5680.0, 5507.0, 5525.0, 5520.0, 5484.0, 5427.0, 5293.0, 5610.0, 5549.0, 5255.0, 5261.0, 5277.0, 5253.0, 5496.0, 5389.0, 5440.0, 5632.0 (number of hits: 6)
29	5500.0	9	1.0	333	1	5557.0, 5524.0, 5599.0, 5297.0, 5461.0, 5486.0, 5458.0, 5497.0, 5556.0, 5433.0, 5301.0, 5410.0, 5537.0, 5273.0, 5485.0, 5274.0, 5576.0, 5598.0, 5552.0, 5574.0, 5472.0, 5575.0, 5543.0, 5317.0, 5347.0, 5383.0, 5420.0, 5424.0, 5520.0, 5493.0, 5527.0, 5316.0, 5518.0, 5360.0, 5657.0, 5517.0, 5701.0, 5553.0, 5703.0, 5275.0, 5717.0, 5546.0, 5448.0, 5570.0, 5335.0, 5515.0, 5289.0, 5385.0, 5534.0, 5400.0, 5664.0, 5330.0, 5558.0, 5390.0, 5587.0, 5279.0, 5308.0, 5366.0, 5353.0, 5363.0, 5460.0, 5692.0, 5326.0, 5610.0, 5710.0, 5430.0, 5418.0, 5713.0, 5251.0, 5496.0, 5345.0, 5629.0, 5310.0, 5293.0, 5419.0, 5535.0, 5286.0, 5500.0, 5435.0, 5372.0, 5647.0, 5498.0, 5615.0, 5376.0, 5416.0, 5481.0, 5368.0, 5336.0, 5449.0, 5549.0, 5526.0, 5551.0, 5627.0, 5303.0, 5495.0, 5607.0, 5405.0, 5386.0, 5255.0, 5584.0 (number of hits: 6)