Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	62.4			0.540115	
1	2	19	50.1	1710		0.846584	
2	2	19	82.8	1344		1.908678	
3	1	19	93.2			2.665194	
4	2	19	82.2	1897		2.906418	
5	2	19	89.6	1362		4.058373	
6	3	19	79.6	1910	1455	4.541726	
7	2	19	65.5	1111		5.257484	
8	1	19	64.4			5.855140	1
9	2	19	91.8	1641		6.991189	
10	2	19	58.0	1833		7.491522	
11	1	19	67.1			8.384290	
12	2	19	65.1	1604		9.067321	
13	2	19	92.2	1141		9.453489	
14	2	19	95.8	1190		10.219206	
15	1	19	93.1			10.653847	
16	2	19	53.5	1121		11.358272	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510.0	9	1.0	333	1	5388.0, 5567.0, 5559.0, 5367.0, 5527.0, 5683.0, 5645.0, 5535.0, 5420.0, 5648.0, 5456.0, 5473.0, 5599.0, 5600.0, 5495.0, 5379.0, 5392.0, 5436.0, 5254.0, 5278.0, 5315.0, 5615.0, 5355.0, 5430.0, 5580.0, 5500.0, 5463.0, 5638.0, 5574.0, 5400.0, 5525.0, 5706.0, 5322.0, 5485.0, 5718.0, 5669.0, 5663.0, 5276.0, 5606.0, 5426.0, 5546.0, 5635.0, 5401.0, 5618.0, 5664.0, 5330.0, 5668.0, 5512.0, 5526.0, 5396.0, 5446.0, 5642.0, 5298.0, 5643.0, 5548.0, 5483.0, 5518.0, 5532.0, 5472.0, 5282.0, 5488.0, 5609.0, 5478.0, 5589.0, 5369.0, 5692.0, 5721.0, 5596.0, 5528.0, 5358.0, 5677.0, 5723.0, 5511.0, 5640.0, 5644.0, 5299.0, 5303.0, 5676.0, 5381.0, 5457.0, 5583.0, 5351.0, 5399.0, 5325.0, 5290.0, 5651.0, 5371.0, 5513.0, 5487.0, 5497.0, 5591.0, 5320.0, 5409.0, 5696.0, 5552.0, 5679.0, 5404.0, 5592.0, 5294.0, 5556.0 (number of hits: 10)
2	5510.0	9	1.0	333	1	5325.0, 5660.0, 5347.0, 5357.0, 5356.0, 5583.0, 5631.0, 5446.0, 5522.0, 5461.0, 5538.0, 5576.0, 5373.0, 5286.0, 5613.0, 5296.0, 5432.0, 5474.0, 5397.0, 5282.0, 5651.0, 5723.0, 5528.0, 5350.0, 5510.0, 5680.0, 5504.0, 5343.0, 5260.0, 5425.0, 5488.0, 5365.0, 5359.0, 5380.0, 5455.0, 5685.0, 5269.0, 5537.0, 5672.0, 5423.0, 5611.0, 5532.0, 5443.0, 5454.0, 5679.0, 5345.0, 5457.0, 5448.0, 5619.0, 5274.0, 5445.0, 5608.0, 5604.0, 5495.0, 5677.0, 5451.0, 5319.0, 5320.0, 5639.0, 5413.0, 5568.0, 5259.0, 5626.0, 5720.0, 5518.0, 5360.0, 5403.0, 5712.0, 5640.0, 5317.0, 5415.0, 5297.0, 5635.0, 5555.0, 5258.0, 5337.0, 5587.0, 5406.0, 5459.0, 5591.0, 5300.0, 5721.0, 5574.0, 5324.0, 5393.0, 5586.0, 5256.0, 5575.0, 5549.0, 5550.0, 5542.0, 5718.0, 5458.0, 5690.0, 5703.0, 5544.0, 5335.0, 5527.0, 5632.0, 5268.0 (number of hits: 6)
3	5510.0	9	1.0	333	1	5573.0, 5707.0, 5299.0, 5523.0, 5689.0, 5637.0, 5404.0, 5477.0, 5266.0, 5531.0, 5425.0, 5561.0, 5457.0, 5615.0, 5364.0, 5578.0, 5526.0, 5501.0, 5331.0, 5370.0, 5641.0, 5556.0, 5282.0, 5361.0, 5510.0, 5401.0, 5529.0, 5688.0, 5254.0, 5311.0, 5693.0, 5587.0, 5631.0, 5295.0, 5432.0, 5415.0, 5252.0, 5475.0, 5442.0, 5436.0, 5654.0, 5540.0, 5612.0, 5256.0, 5393.0, 5405.0, 5572.0, 5660.0, 5536.0, 5461.0, 5704.0, 5422.0, 5453.0, 5503.0, 5550.0, 5316.0, 5255.0, 5354.0, 5402.0, 5671.0, 5567.0, 5390.0, 5560.0, 5652.0, 5670.0, 5645.0, 5577.0, 5698.0, 5582.0, 5539.0, 5522.0, 5449.0, 5512.0, 5294.0, 5351.0, 5644.0, 5476.0, 5687.0, 5542.0, 5479.0, 5284.0, 5346.0, 5273.0, 5496.0, 5717.0, 5458.0, 5388.0, 5681.0, 5380.0, 5525.0, 5394.0, 5596.0, 5653.0, 5395.0, 5251.0, 5352.0, 5304.0, 5600.0, 5412.0, 5473.0 (number of hits: 9)
4	5510.0	9	1.0	333	1	5707.0, 5521.0, 5664.0, 5298.0, 5523.0, 5445.0, 5673.0, 5538.0, 5350.0, 5608.0, 5256.0, 5344.0, 5639.0, 5343.0, 5507.0, 5407.0, 5676.0, 5259.0, 5314.0, 5420.0, 5597.0, 5667.0, 5399.0, 5627.0, 5358.0, 5557.0, 5558.0, 5389.0, 5360.0, 5687.0, 5441.0, 5527.0, 5633.0, 5342.0, 5341.0, 5374.0, 5318.0, 5577.0, 5312.0, 5301.0, 5568.0, 5261.0, 5454.0, 5338.0, 5560.0, 5483.0, 5452.0, 5284.0, 5658.0, 5386.0, 5556.0, 5701.0, 5517.0, 5394.0, 5436.0, 5628.0, 5722.0, 5686.0, 5534.0, 5366.0, 5267.0, 5607.0, 5299.0, 5574.0, 5308.0, 5459.0, 5721.0, 5287.0, 5474.0, 5403.0, 5425.0, 5369.0, 5570.0, 5401.0, 5665.0, 5512.0, 5508.0, 5426.0, 5457.0, 5264.0, 5278.0, 5266.0, 5391.0, 5291.0, 5392.0, 5410.0, 5395.0, 5691.0, 5663.0, 5309.0, 5406.0, 5488.0, 5421.0, 5723.0, 5642.0, 5656.0, 5561.0, 5283.0, 5605.0, 5258.0 (number of hits: 7)
5	5510.0	9	1.0	333	1	5308.0, 5667.0, 5411.0, 5369.0, 5602.0, 5286.0, 5557.0, 5558.0, 5629.0, 5450.0, 5687.0, 5441.0, 5485.0, 5257.0, 5713.0, 5478.0, 5457.0, 5636.0, 5474.0, 5449.0, 5574.0, 5265.0, 5716.0, 5518.0,

						5650.0, 5312.0, 5481.0, 5489.0, 5709.0, 5380.0, 5584.0, 5436.0, 5692.0, 5589.0, 5466.0, 5393.0, 5386.0, 5645.0, 5686.0, 5561.0, 5456.0, 5559.0, 5442.0, 5579.0, 5326.0, 5553.0, 5706.0, 5306.0, 5577.0, 5299.0, 5331.0, 5680.0, 5515.0, 5447.0, 5632.0, 5394.0, 5654.0, 5311.0, 5475.0, 5410.0, 5621.0, 5462.0, 5503.0, 5293.0, 5623.0, 5430.0, 5453.0, 5275.0, 5491.0, 5567.0, 5428.0, 5703.0, 5607.0, 5400.0, 5666.0, 5342.0, 5361.0, 5587.0, 5712.0, 5426.0, 5387.0, 5408.0, 5605.0, 5402.0, 5494.0, 5583.0, 5714.0, 5682.0, 5597.0, 5501.0, 5423.0, 5322.0, 5604.0, 5425.0, 5691.0, 5526.0, 5711.0, 5392.0, 5595.0, 5376.0 (number of hits: 6)
6	5510.0	9	1.0	333	1	5346.0, 5354.0, 5263.0, 5521.0, 5511.0, 5553.0, 5457.0, 5520.0, 5461.0, 5632.0, 5337.0, 5310.0, 5605.0, 5670.0, 5286.0, 5672.0, 5720.0, 5455.0, 5339.0, 5568.0, 5312.0, 5643.0, 5613.0, 5530.0, 5676.0, 5608.0, 5481.0, 5501.0, 5259.0, 5268.0, 5533.0, 5304.0, 5341.0, 5583.0, 5253.0, 5576.0, 5514.0, 5358.0, 5255.0, 5607.0, 5556.0, 5332.0, 5678.0, 5355.0, 5487.0, 5330.0, 5385.0, 5329.0, 5393.0, 5561.0, 5665.0, 5275.0, 5446.0, 5687.0, 5689.0, 5375.0, 5540.0, 5370.0, 5594.0, 5621.0, 5283.0, 5578.0, 5309.0, 5629.0, 5656.0, 5353.0, 5615.0, 5579.0, 5585.0, 5318.0, 5563.0, 5417.0, 5307.0, 5459.0, 5701.0, 5369.0, 5612.0, 5265.0, 5513.0, 5403.0, 5723.0, 5470.0, 5524.0, 5474.0, 5389.0, 5334.0, 5467.0, 5297.0, 5559.0, 5476.0, 5712.0, 5517.0, 5507.0, 5694.0, 5444.0, 5438.0, 5460.0, 5260.0, 5415.0, 5488.0 (number of hits: 9)
7	5510.0	9	1.0	333	1	5404.0, 5459.0, 5410.0, 5478.0, 5437.0, 5416.0, 5290.0, 5348.0, 5477.0, 5370.0, 5632.0, 5535.0, 5589.0, 5377.0, 5714.0, 5704.0, 5599.0, 5433.0, 5657.0, 5722.0, 5356.0, 5467.0, 5536.0, 5493.0, 5340.0, 5447.0, 5332.0, 5504.0, 5655.0, 5659.0, 5508.0, 5605.0, 5449.0, 5618.0, 5253.0, 5703.0, 5355.0, 5316.0, 5551.0, 5418.0, 5387.0, 5620.0, 5319.0, 5523.0, 5398.0, 5262.0, 5631.0, 5550.0, 5336.0, 5378.0, 5401.0, 5386.0, 5334.0, 5284.0, 5565.0, 5367.0, 5441.0, 5721.0, 5639.0, 5690.0, 5510.0, 5569.0, 5486.0, 5509.0, 5692.0, 5333.0, 5327.0, 5466.0, 5376.0, 5641.0, 5656.0, 5622.0, 5650.0, 5678.0, 5411.0, 5681.0, 5669.0, 5612.0, 5630.0, 5530.0, 5397.0, 5688.0, 5596.0, 5546.0, 5586.0, 5481.0, 5464.0, 5453.0, 5457.0, 5502.0, 5301.0, 5448.0, 5538.0, 5683.0, 5667.0, 5324.0, 5384.0, 5698.0, 5581.0, 5394.0 (number of hits: 7)
8	5510.0	9	1.0	333	1	5282.0, 5413.0, 5358.0, 5277.0, 5479.0, 5704.0, 5619.0, 5280.0, 5387.0, 5252.0, 5349.0, 5437.0, 5656.0, 5691.0, 5505.0, 5595.0, 5285.0, 5478.0, 5315.0, 5642.0, 5602.0, 5312.0, 5310.0, 5517.0, 5621.0, 5545.0, 5329.0, 5502.0, 5309.0, 5531.0, 5632.0, 5365.0, 5605.0, 5343.0, 5466.0, 5464.0, 5527.0, 5473.0, 5336.0, 5388.0, 5670.0, 5500.0, 5412.0, 5593.0, 5506.0, 5582.0, 5373.0, 5450.0, 5350.0, 5630.0, 5263.0, 5538.0, 5616.0, 5503.0, 5270.0, 5269.0, 5266.0, 5483.0, 5658.0, 5578.0, 5692.0, 5665.0, 5313.0, 5441.0, 5674.0, 5557.0, 5623.0, 5472.0, 5618.0, 5461.0, 5260.0, 5660.0, 5493.0, 5253.0, 5332.0, 5377.0, 5496.0, 5492.0, 5389.0, 5320.0, 5375.0, 5564.0, 5507.0, 5689.0, 5404.0, 5286.0, 5566.0, 5675.0, 5497.0, 5696.0, 5261.0, 5439.0, 5430.0, 5368.0, 5671.0, 5393.0, 5504.0, 5698.0, 5648.0, 5638.0 (number of hits: 13)
9	5510.0	9	1.0	333	1	5721.0, 5254.0, 5711.0, 5482.0, 5585.0, 5402.0, 5592.0, 5450.0, 5547.0, 5692.0, 5553.0, 5259.0, 5400.0, 5521.0, 5575.0, 5379.0, 5306.0, 5539.0, 5288.0, 5578.0, 5704.0, 5475.0, 5603.0, 5648.0, 5550.0, 5268.0, 5590.0, 5275.0, 5351.0, 5285.0, 5309.0, 5542.0, 5280.0, 5329.0, 5286.0, 5258.0, 5663.0, 5519.0, 5506.0, 5349.0, 5507.0, 5688.0, 5576.0, 5724.0, 5468.0, 5473.0, 5420.0, 5605.0, 5613.0, 5679.0, 5557.0, 5325.0, 5490.0, 5493.0, 5390.0, 5610.0, 5527.0, 5629.0, 5617.0, 5627.0, 5404.0, 5333.0, 5417.0, 5467.0, 5327.0, 5656.0, 5284.0, 5399.0, 5425.0, 5361.0, 5466.0, 5698.0, 5458.0, 5338.0, 5618.0, 5703.0, 5441.0, 5572.0, 5499.0, 5449.0, 5524.0, 5691.0, 5673.0, 5655.0, 5261.0, 5262.0, 5317.0, 5435.0, 5495.0, 5339.0, 5465.0, 5632.0, 5348.0, 5299.0, 5372.0, 5364.0,

						5320.0, 5653.0, 5543.0, 5666.0 (number of hits: 9)
10	5510.0	9	1.0	333	1	5379.0, 5485.0, 5414.0, 5419.0, 5377.0, 5320.0, 5353.0, 5351.0, 5585.0, 5521.0, 5424.0, 5284.0, 5499.0, 5676.0, 5541.0, 5299.0, 5551.0, 5635.0, 5721.0, 5294.0, 5581.0, 5372.0, 5288.0, 5616.0, 5524.0, 5594.0, 5623.0, 5723.0, 5422.0, 5489.0, 5693.0, 5270.0, 5656.0, 5698.0, 5554.0, 5486.0, 5599.0, 5640.0, 5492.0, 5263.0, 5682.0, 5461.0, 5272.0, 5357.0, 5655.0, 5702.0, 5384.0, 5629.0, 5445.0, 5633.0, 5665.0, 5520.0, 5482.0, 5431.0, 5271.0, 5393.0, 5657.0, 5330.0, 5398.0, 5342.0, 5663.0, 5465.0, 5496.0, 5697.0, 5590.0, 5254.0, 5631.0, 5647.0, 5479.0, 5564.0, 5483.0, 5514.0, 5455.0, 5370.0, 5303.0, 5686.0, 5641.0, 5341.0, 5699.0, 5439.0, 5548.0, 5349.0, 5589.0, 5509.0, 5583.0, 5462.0, 5601.0, 5373.0, 5703.0, 5457.0, 5673.0, 5265.0, 5613.0, 5619.0, 5528.0, 5567.0, 5440.0, 5396.0, 5724.0, 5432.0 (number of hits: 8)
11	5510.0	9	1.0	333	1	5636.0, 5367.0, 5453.0, 5465.0, 5670.0, 5270.0, 5280.0, 5488.0, 5679.0, 5594.0, 5499.0, 5678.0, 5357.0, 5623.0, 5694.0, 5664.0, 5519.0, 5489.0, 5711.0, 5257.0, 5680.0, 5468.0, 5696.0, 5707.0, 5568.0, 5661.0, 5602.0, 5672.0, 5567.0, 5645.0, 5493.0, 5283.0, 5466.0, 5487.0, 5505.0, 5591.0, 5533.0, 5347.0, 5417.0, 5528.0, 5295.0, 5433.0, 5620.0, 5666.0, 5359.0, 5503.0, 5558.0, 5330.0, 5610.0, 5356.0, 5656.0, 5362.0, 5605.0, 5590.0, 5701.0, 5553.0, 5278.0, 5603.0, 5705.0, 5700.0, 5355.0, 5475.0, 5662.0, 5562.0, 5545.0, 5413.0, 5348.0, 5447.0, 5435.0, 5595.0, 5477.0, 5576.0, 5629.0, 5384.0, 5443.0, 5685.0, 5534.0, 5557.0, 5658.0, 5259.0, 5641.0, 5345.0, 5671.0, 5371.0, 5616.0, 5593.0, 5510.0, 5684.0, 5577.0, 5281.0, 5507.0, 5368.0, 5378.0, 5517.0, 5651.0, 5669.0, 5380.0, 5699.0, 5387.0, 5476.0 (number of hits: 8)
12	5510.0	9	1.0	333	1	5486.0, 5560.0, 5424.0, 5333.0, 5544.0, 5435.0, 5342.0, 5593.0, 5661.0, 5650.0, 5658.0, 5322.0, 5462.0, 5638.0, 5432.0, 5494.0, 5574.0, 5547.0, 5634.0, 5672.0, 5640.0, 5514.0, 5683.0, 5499.0, 5250.0, 5352.0, 5501.0, 5585.0, 5297.0, 5328.0, 5300.0, 5329.0, 5254.0, 5339.0, 5507.0, 5480.0, 5656.0, 5592.0, 5419.0, 5442.0, 5252.0, 5301.0, 5645.0, 5647.0, 5490.0, 5578.0, 5364.0, 5416.0, 5267.0, 5481.0, 5608.0, 5584.0, 5654.0, 5410.0, 5674.0, 5468.0, 5396.0, 5643.0, 5557.0, 5463.0, 5445.0, 5693.0, 5613.0, 5706.0, 5324.0, 5371.0, 5713.0, 5361.0, 5428.0, 5617.0, 5552.0, 5572.0, 5554.0, 5397.0, 5280.0, 5632.0, 5659.0, 5633.0, 5403.0, 5555.0, 5641.0, 5631.0, 5717.0, 5259.0, 5694.0, 5384.0, 5394.0, 5477.0, 5720.0, 5347.0, 5430.0, 5304.0, 5520.0, 5517.0, 5466.0, 5401.0, 5464.0, 5260.0, 5381.0, 5492.0 (number of hits: 8)
13	5510.0	9	1.0	333	1	5663.0, 5470.0, 5362.0, 5267.0, 5571.0, 5569.0, 5553.0, 5572.0, 5497.0, 5377.0, 5391.0, 5586.0, 5600.0, 5610.0, 5260.0, 5413.0, 5271.0, 5688.0, 5633.0, 5350.0, 5332.0, 5702.0, 5452.0, 5691.0, 5253.0, 5557.0, 5454.0, 5672.0, 5356.0, 5636.0, 5556.0, 5694.0, 5566.0, 5582.0, 5304.0, 5614.0, 5455.0, 5285.0, 5257.0, 5667.0, 5542.0, 5433.0, 5279.0, 5316.0, 5584.0, 5624.0, 5261.0, 5300.0, 5716.0, 5402.0, 5453.0, 5655.0, 5722.0, 5623.0, 5328.0, 5535.0, 5364.0, 5336.0, 5507.0, 5360.0, 5708.0, 5645.0, 5428.0, 5465.0, 5659.0, 5635.0, 5607.0, 5434.0, 5400.0, 5540.0, 5711.0, 5451.0, 5669.0, 5684.0, 5622.0, 5326.0, 5278.0, 5352.0, 5273.0, 5409.0, 5456.0, 5329.0, 5627.0, 5432.0, 5575.0, 5293.0, 5471.0, 5664.0, 5706.0, 5370.0, 5723.0, 5693.0, 5590.0, 5648.0, 5252.0, 5277.0, 5339.0, 5444.0, 5338.0, 5437.0 (number of hits: 2)
14	5510.0	9	1.0	333	1	5344.0, 5398.0, 5457.0, 5589.0, 5360.0, 5702.0, 5620.0, 5485.0, 5694.0, 5635.0, 5275.0, 5704.0, 5517.0, 5366.0, 5393.0, 5607.0, 5629.0, 5541.0, 5255.0, 5522.0, 5665.0, 5526.0, 5304.0, 5386.0, 5324.0, 5483.0, 5413.0, 5698.0, 5338.0, 5377.0, 5426.0, 5270.0, 5284.0, 5549.0, 5546.0, 5672.0, 5690.0, 5282.0, 5259.0, 5703.0, 5442.0, 5258.0, 5558.0, 5358.0, 5297.0, 5277.0, 5657.0, 5481.0, 5425.0, 5264.0, 5510.0, 5266.0, 5294.0, 5599.0, 5717.0, 5469.0, 5362.0, 5715.0, 5713.0, 5705.0, 5628.0, 5280.0, 5569.0, 5470.0,

						5537.0, 5557.0, 5712.0, 5723.0, 5587.0, 5529.0, 5520.0, 5434.0, 5707.0, 5355.0, 5591.0, 5612.0, 5348.0, 5419.0, 5586.0, 5505.0, 5626.0, 5388.0, 5617.0, 5343.0, 5459.0, 5407.0, 5395.0, 5482.0, 5536.0, 5679.0, 5321.0, 5406.0, 5449.0, 5525.0, 5403.0, 5580.0, 5700.0, 5268.0, 5564.0, 5514.0 (number of hits: 8)
15	5510.0	9	1.0	333	1	5564.0, 5723.0, 5654.0, 5279.0, 5276.0, 5369.0, 5323.0, 5292.0, 5698.0, 5599.0, 5552.0, 5597.0, 5473.0, 5450.0, 5334.0, 5277.0, 5592.0, 5387.0, 5280.0, 5656.0, 5638.0, 5514.0, 5577.0, 5639.0, 5437.0, 5425.0, 5652.0, 5411.0, 5402.0, 5264.0, 5555.0, 5265.0, 5451.0, 5333.0, 5485.0, 5471.0, 5520.0, 5616.0, 5399.0, 5494.0, 5370.0, 5622.0, 5492.0, 5461.0, 5576.0, 5359.0, 5475.0, 5613.0, 5314.0, 5427.0, 5495.0, 5282.0, 5581.0, 5614.0, 5404.0, 5556.0, 5296.0, 5415.0, 5252.0, 5325.0, 5675.0, 5542.0, 5572.0, 5603.0, 5428.0, 5256.0, 5381.0, 5578.0, 5430.0, 5319.0, 5284.0, 5551.0, 5258.0, 5655.0, 5505.0, 5704.0, 5666.0, 5713.0, 5456.0, 5620.0, 5268.0, 5579.0, 5500.0, 5587.0, 5355.0, 5664.0, 5397.0, 5315.0, 5721.0, 5465.0, 5353.0, 5676.0, 5320.0, 5486.0, 5290.0, 5293.0, 5287.0, 5440.0, 5367.0, 5386.0 (number of hits: 7)
16	5510.0	9	1.0	333	1	5363.0, 5294.0, 5366.0, 5327.0, 5686.0, 5391.0, 5592.0, 5665.0, 5504.0, 5288.0, 5674.0, 5594.0, 5467.0, 5717.0, 5573.0, 5395.0, 5279.0, 5655.0, 5443.0, 5386.0, 5584.0, 5700.0, 5307.0, 5631.0, 5586.0, 5486.0, 5385.0, 5699.0, 5471.0, 5390.0, 5444.0, 5703.0, 5254.0, 5405.0, 5633.0, 5436.0, 5369.0, 5652.0, 5526.0, 5562.0, 5668.0, 5589.0, 5517.0, 5662.0, 5401.0, 5397.0, 5643.0, 5549.0, 5269.0, 5388.0, 5622.0, 5426.0, 5681.0, 5493.0, 5659.0, 5473.0, 5593.0, 5408.0, 5661.0, 5611.0, 5442.0, 5640.0, 5630.0, 5429.0, 5351.0, 5432.0, 5264.0, 5663.0, 5514.0, 5274.0, 5455.0, 5531.0, 5529.0, 5384.0, 5672.0, 5505.0, 5413.0, 5318.0, 5707.0, 5475.0, 5458.0, 5645.0, 5644.0, 5255.0, 5396.0, 5560.0, 5535.0, 5527.0, 5256.0, 5618.0, 5383.0, 5575.0, 5354.0, 5491.0, 5550.0, 5667.0, 5571.0, 5265.0, 5554.0, 5720.0 (number of hits: 7)
17	5510.0	9	1.0	333	1	5340.0, 5598.0, 5310.0, 5495.0, 5616.0, 5671.0, 5345.0, 5387.0, 5328.0, 5649.0, 5525.0, 5577.0, 5386.0, 5396.0, 5315.0, 5477.0, 5274.0, 5683.0, 5440.0, 5317.0, 5704.0, 5395.0, 5480.0, 5363.0, 5696.0, 5358.0, 5565.0, 5255.0, 5488.0, 5557.0, 5489.0, 5560.0, 5552.0, 5429.0, 5375.0, 5660.0, 5292.0, 5379.0, 5661.0, 5685.0, 5447.0, 5607.0, 5271.0, 5335.0, 5302.0, 5364.0, 5585.0, 5428.0, 5497.0, 5687.0, 5421.0, 5250.0, 5699.0, 5610.0, 5406.0, 5290.0, 5414.0, 5423.0, 5583.0, 5636.0, 5450.0, 5486.0, 5267.0, 5268.0, 5631.0, 5438.0, 5587.0, 5485.0, 5711.0, 5389.0, 5674.0, 5663.0, 5307.0, 5305.0, 5600.0, 5254.0, 5365.0, 5391.0, 5334.0, 5304.0, 5355.0, 5301.0, 5333.0, 5445.0, 5667.0, 5634.0, 5673.0, 5297.0, 5319.0, 5524.0, 5361.0, 5289.0, 5540.0, 5442.0, 5493.0, 5464.0, 5370.0, 5504.0, 5652.0, 5410.0 (number of hits: 6)
18	5510.0	9	1.0	333	1	5327.0, 5674.0, 5368.0, 5347.0, 5337.0, 5635.0, 5513.0, 5697.0, 5399.0, 5492.0, 5710.0, 5685.0, 5656.0, 5603.0, 5370.0, 5581.0, 5356.0, 5379.0, 5410.0, 5257.0, 5301.0, 5398.0, 5426.0, 5598.0, 5361.0, 5473.0, 5295.0, 5302.0, 5564.0, 5534.0, 5672.0, 5495.0, 5699.0, 5293.0, 5611.0, 5381.0, 5529.0, 5274.0, 5434.0, 5627.0, 5651.0, 5458.0, 5319.0, 5723.0, 5708.0, 5341.0, 5278.0, 5312.0, 5482.0, 5684.0, 5540.0, 5718.0, 5693.0, 5500.0, 5489.0, 5592.0, 5580.0, 5626.0, 5324.0, 5386.0, 5281.0, 5619.0, 5294.0, 5586.0, 5493.0, 5682.0, 5349.0, 5563.0, 5695.0, 5331.0, 5523.0, 5541.0, 5269.0, 5511.0, 5487.0, 5576.0, 5711.0, 5722.0, 5267.0, 5326.0, 5686.0, 5539.0, 5531.0, 5551.0, 5445.0, 5298.0, 5620.0, 5507.0, 5628.0, 5593.0, 5419.0, 5279.0, 5478.0, 5690.0, 5475.0, 5348.0, 5702.0, 5309.0, 5606.0, 5411.0 (number of hits: 8)
19	5510.0	9	1.0	333	1	5710.0, 5580.0, 5426.0, 5531.0, 5670.0, 5572.0, 5497.0, 5517.0, 5319.0, 5510.0, 5481.0, 5352.0, 5357.0, 5445.0, 5366.0, 5596.0, 5548.0, 5663.0, 5447.0, 5494.0, 5437.0, 5648.0, 5658.0, 5272.0, 5690.0, 5361.0, 5448.0, 5382.0, 5338.0, 5724.0, 5720.0, 5667.0,

						5604.0, 5632.0, 5713.0, 5298.0, 5387.0, 5372.0, 5446.0, 5555.0, 5512.0, 5549.0, 5402.0, 5421.0, 5458.0, 5440.0, 5461.0, 5518.0, 5721.0, 5388.0, 5308.0, 5313.0, 5305.0, 5565.0, 5370.0, 5524.0, 5576.0, 5439.0, 5291.0, 5664.0, 5709.0, 5400.0, 5521.0, 5393.0, 5444.0, 5712.0, 5489.0, 5586.0, 5717.0, 5660.0, 5293.0, 5657.0, 5273.0, 5286.0, 5665.0, 5470.0, 5542.0, 5639.0, 5557.0, 5610.0, 5403.0, 5638.0, 5592.0, 5345.0, 5528.0, 5296.0, 5264.0, 5401.0, 5668.0, 5681.0, 5582.0, 5377.0, 5333.0, 5321.0, 5419.0, 5347.0, 5304.0, 5693.0, 5682.0, 5628.0 (number of hits: 8)
20	5510.0	9	1.0	333	1	5603.0, 5665.0, 5552.0, 5442.0, 5317.0, 5453.0, 5452.0, 5366.0, 5690.0, 5459.0, 5666.0, 5446.0, 5533.0, 5563.0, 5567.0, 5609.0, 5592.0, 5314.0, 5372.0, 5492.0, 5398.0, 5547.0, 5272.0, 5714.0, 5402.0, 5498.0, 5630.0, 5633.0, 5721.0, 5589.0, 5447.0, 5386.0, 5316.0, 5512.0, 5368.0, 5685.0, 5699.0, 5284.0, 5556.0, 5667.0, 5289.0, 5523.0, 5350.0, 5281.0, 5586.0, 5621.0, 5626.0, 5507.0, 5623.0, 5295.0, 5692.0, 5520.0, 5684.0, 5328.0, 5388.0, 5712.0, 5405.0, 5707.0, 5306.0, 5266.0, 5527.0, 5568.0, 5536.0, 5476.0, 5682.0, 5631.0, 5348.0, 5597.0, 5681.0, 5351.0, 5333.0, 5564.0, 5695.0, 5267.0, 5373.0, 5694.0, 5517.0, 5615.0, 5485.0, 5565.0, 5525.0, 5410.0, 5315.0, 5381.0, 5479.0, 5432.0, 5624.0, 5471.0, 5541.0, 5407.0, 5532.0, 5417.0, 5387.0, 5273.0, 5697.0, 5515.0, 5339.0, 5264.0, 5522.0, 5662.0 (number of hits: 11)
21	5510.0	9	1.0	333	1	5441.0, 5466.0, 5576.0, 5522.0, 5307.0, 5622.0, 5381.0, 5695.0, 5547.0, 5410.0, 5427.0, 5271.0, 5575.0, 5717.0, 5313.0, 5692.0, 5289.0, 5571.0, 5481.0, 5627.0, 5397.0, 5564.0, 5515.0, 5619.0, 5563.0, 5687.0, 5607.0, 5256.0, 5633.0, 5658.0, 5543.0, 5605.0, 5260.0, 5298.0, 5700.0, 5398.0, 5583.0, 5362.0, 5690.0, 5399.0, 5621.0, 5650.0, 5639.0, 5371.0, 5311.0, 5373.0, 5572.0, 5506.0, 5315.0, 5282.0, 5530.0, 5654.0, 5395.0, 5476.0, 5660.0, 5499.0, 5565.0, 5479.0, 5300.0, 5580.0, 5406.0, 5666.0, 5587.0, 5263.0, 5591.0, 5594.0, 5555.0, 5419.0, 5294.0, 5320.0, 5707.0, 5442.0, 5361.0, 5350.0, 5330.0, 5521.0, 5592.0, 5620.0, 5341.0, 5347.0, 5269.0, 5336.0, 5262.0, 5377.0, 5401.0, 5655.0, 5447.0, 5290.0, 5722.0, 5683.0, 5703.0, 5574.0, 5494.0, 5314.0, 5612.0, 5275.0, 5492.0, 5534.0, 5584.0, 5297.0 (number of hits: 7)
22	5510.0	9	1.0	333	1	5378.0, 5265.0, 5343.0, 5638.0, 5520.0, 5345.0, 5324.0, 5397.0, 5409.0, 5300.0, 5349.0, 5455.0, 5672.0, 5392.0, 5311.0, 5610.0, 5487.0, 5308.0, 5291.0, 5418.0, 5453.0, 5469.0, 5273.0, 5395.0, 5398.0, 5565.0, 5651.0, 5721.0, 5303.0, 5679.0, 5556.0, 5315.0, 5571.0, 5708.0, 5348.0, 5597.0, 5716.0, 5513.0, 5321.0, 5600.0, 5312.0, 5585.0, 5484.0, 5412.0, 5366.0, 5399.0, 5341.0, 5605.0, 5288.0, 5427.0, 5583.0, 5367.0, 5514.0, 5476.0, 5361.0, 5563.0, 5652.0, 5256.0, 5468.0, 5683.0, 5657.0, 5428.0, 5601.0, 5619.0, 5720.0, 5436.0, 5525.0, 5253.0, 5576.0, 5673.0, 5499.0, 5589.0, 5489.0, 5709.0, 5608.0, 5467.0, 5360.0, 5550.0, 5595.0, 5351.0, 5547.0, 5515.0, 5523.0, 5344.0, 5386.0, 5510.0, 5553.0, 5271.0, 5663.0, 5299.0, 5434.0, 5544.0, 5390.0, 5433.0, 5533.0, 5649.0, 5684.0, 5422.0, 5650.0, 5607.0 (number of hits: 8)
23	5510.0	9	1.0	333	1	5678.0, 5620.0, 5676.0, 5502.0, 5684.0, 5301.0, 5532.0, 5392.0, 5380.0, 5663.0, 5659.0, 5370.0, 5375.0, 5484.0, 5640.0, 5399.0, 5601.0, 5362.0, 5720.0, 5543.0, 5386.0, 5328.0, 5285.0, 5597.0, 5686.0, 5426.0, 5603.0, 5338.0, 5636.0, 5458.0, 5525.0, 5465.0, 5455.0, 5702.0, 5264.0, 5422.0, 5326.0, 5401.0, 5574.0, 5662.0, 5390.0, 5343.0, 5360.0, 5648.0, 5416.0, 5333.0, 5598.0, 5646.0, 5356.0, 5290.0, 5358.0, 5514.0, 5572.0, 5279.0, 5509.0, 5627.0, 5251.0, 5611.0, 5513.0, 5495.0, 5653.0, 5501.0, 5546.0, 5277.0, 5568.0, 5638.0, 5587.0, 5689.0, 5402.0, 5645.0, 5716.0, 5295.0, 5503.0, 5535.0, 5352.0, 5590.0, 5647.0, 5641.0, 5307.0, 5551.0, 5556.0, 5528.0, 5263.0, 5461.0, 5281.0, 5499.0, 5524.0, 5704.0, 5300.0, 5472.0, 5674.0, 5670.0, 5714.0, 5693.0, 5327.0, 5642.0, 5368.0, 5366.0, 5259.0, 5463.0 (number of hits: 10)

24	5510.0	9	1.0	333	1	5578.0, 5406.0, 5565.0, 5598.0, 5649.0, 5385.0, 5411.0, 5312.0, 5589.0, 5451.0, 5478.0, 5698.0, 5634.0, 5509.0, 5435.0, 5570.0, 5621.0, 5361.0, 5644.0, 5596.0, 5610.0, 5365.0, 5637.0, 5302.0, 5423.0, 5671.0, 5501.0, 5446.0, 5635.0, 5439.0, 5657.0, 5564.0, 5366.0, 5693.0, 5349.0, 5582.0, 5466.0, 5382.0, 5685.0, 5640.0, 5460.0, 5591.0, 5442.0, 5613.0, 5274.0, 5572.0, 5481.0, 5489.0, 5255.0, 5694.0, 5408.0, 5355.0, 5684.0, 5319.0, 5399.0, 5605.0, 5394.0, 5537.0, 5386.0, 5700.0, 5524.0, 5289.0, 5619.0, 5389.0, 5265.0, 5251.0, 5545.0, 5543.0, 5638.0, 5655.0, 5285.0, 5295.0, 5308.0, 5467.0, 5507.0, 5379.0, 5276.0, 5407.0, 5474.0, 5373.0, 5677.0, 5664.0, 5378.0, 5661.0, 5517.0, 5322.0, 5360.0, 5654.0, 5398.0, 5372.0, 5287.0, 5651.0, 5420.0, 5271.0, 5357.0, 5508.0, 5254.0, 5506.0, 5358.0, 5483.0 (number of hits: 7)
25	5510.0	9	1.0	333	1	5575.0, 5550.0, 5274.0, 5448.0, 5313.0, 5467.0, 5511.0, 5622.0, 5332.0, 5590.0, 5702.0, 5437.0, 5291.0, 5428.0, 5652.0, 5457.0, 5416.0, 5474.0, 5273.0, 5547.0, 5707.0, 5626.0, 5666.0, 5641.0, 5423.0, 5279.0, 5493.0, 5424.0, 5350.0, 5657.0, 5635.0, 5460.0, 5322.0, 5633.0, 5663.0, 5314.0, 5584.0, 5614.0, 5561.0, 5563.0, 5328.0, 5297.0, 5580.0, 5390.0, 5519.0, 5300.0, 5598.0, 5704.0, 5304.0, 5296.0, 5593.0, 5520.0, 5324.0, 5673.0, 5477.0, 5464.0, 5392.0, 5610.0, 5573.0, 5718.0, 5534.0, 5302.0, 5540.0, 5693.0, 5706.0, 5711.0, 5262.0, 5353.0, 5606.0, 5538.0, 5658.0, 5488.0, 5634.0, 5363.0, 5295.0, 5440.0, 5375.0, 5365.0, 5680.0, 5609.0, 5288.0, 5310.0, 5340.0, 5560.0, 5399.0, 5417.0, 5366.0, 5565.0, 5716.0, 5496.0, 5252.0, 5665.0, 5438.0, 5329.0, 5714.0, 5339.0, 5686.0, 5615.0, 5699.0, 5574.0 (number of hits: 5)
26	5510.0	9	1.0	333	1	5476.0, 5519.0, 5707.0, 5571.0, 5619.0, 5385.0, 5527.0, 5539.0, 5640.0, 5400.0, 5340.0, 5687.0, 5710.0, 5375.0, 5453.0, 5694.0, 5334.0, 5263.0, 5352.0, 5596.0, 5288.0, 5312.0, 5638.0, 5723.0, 5353.0, 5503.0, 5435.0, 5711.0, 5581.0, 5302.0, 5488.0, 5684.0, 5365.0, 5466.0, 5298.0, 5512.0, 5597.0, 5313.0, 5562.0, 5421.0, 5342.0, 5582.0, 5397.0, 5366.0, 5660.0, 5579.0, 5541.0, 5498.0, 5314.0, 5604.0, 5333.0, 5594.0, 5606.0, 5403.0, 5296.0, 5434.0, 5665.0, 5674.0, 5670.0, 5570.0, 5469.0, 5494.0, 5410.0, 5472.0, 5664.0, 5507.0, 5552.0, 5345.0, 5490.0, 5535.0, 5509.0, 5667.0, 5685.0, 5719.0, 5452.0, 5311.0, 5672.0, 5633.0, 5528.0, 5560.0, 5614.0, 5358.0, 5549.0, 5354.0, 5380.0, 5356.0, 5468.0, 5364.0, 5688.0, 5609.0, 5437.0, 5563.0, 5706.0, 5309.0, 5623.0, 5533.0, 5383.0, 5395.0, 5531.0, 5676.0 (number of hits: 8)
27	5510.0	9	1.0	333	1	5709.0, 5720.0, 5603.0, 5490.0, 5719.0, 5408.0, 5259.0, 5702.0, 5521.0, 5648.0, 5391.0, 5547.0, 5421.0, 5251.0, 5283.0, 5426.0, 5530.0, 5429.0, 5610.0, 5512.0, 5417.0, 5477.0, 5292.0, 5307.0, 5396.0, 5450.0, 5335.0, 5612.0, 5305.0, 5680.0, 5598.0, 5455.0, 5619.0, 5409.0, 5520.0, 5616.0, 5480.0, 5443.0, 5664.0, 5435.0, 5287.0, 5253.0, 5590.0, 5688.0, 5264.0, 5445.0, 5269.0, 5511.0, 5378.0, 5554.0, 5618.0, 5359.0, 5573.0, 5388.0, 5261.0, 5585.0, 5662.0, 5491.0, 5363.0, 5667.0, 5592.0, 5303.0, 5599.0, 5325.0, 5722.0, 5700.0, 5336.0, 5467.0, 5317.0, 5604.0, 5567.0, 5536.0, 5527.0, 5370.0, 5284.0, 5668.0, 5278.0, 5360.0, 5556.0, 5615.0, 5277.0, 5423.0, 5601.0, 5422.0, 5614.0, 5676.0, 5462.0, 5254.0, 5404.0, 5707.0, 5519.0, 5535.0, 5582.0, 5342.0, 5265.0, 5497.0, 5532.0, 5356.0, 5534.0, 5576.0 (number of hits: 7)
28	5510.0	9	1.0	333	1	5471.0, 5431.0, 5568.0, 5690.0, 5492.0, 5563.0, 5496.0, 5323.0, 5518.0, 5367.0, 5363.0, 5582.0, 5400.0, 5345.0, 5687.0, 5281.0, 5662.0, 5269.0, 5591.0, 5631.0, 5576.0, 5488.0, 5600.0, 5481.0, 5706.0, 5413.0, 5285.0, 5365.0, 5617.0, 5666.0, 5512.0, 5411.0, 5256.0, 5695.0, 5658.0, 5565.0, 5701.0, 5583.0, 5457.0, 5709.0, 5622.0, 5421.0, 5511.0, 5498.0, 5444.0, 5377.0, 5537.0, 5553.0, 5685.0, 5718.0, 5308.0, 5612.0, 5656.0, 5629.0, 5295.0, 5532.0, 5529.0, 5526.0, 5376.0, 5307.0, 5692.0, 5470.0, 5333.0, 5385.0, 5419.0, 5430.0, 5298.0, 5610.0, 5318.0, 5634.0, 5346.0, 5547.0,

						5624.0, 5482.0, 5364.0, 5303.0, 5562.0, 5602.0, 5621.0, 5332.0, 5391.0, 5393.0, 5433.0, 5535.0, 5380.0, 5394.0, 5607.0, 5639.0, 5315.0, 5267.0, 5324.0, 5554.0, 5636.0, 5305.0, 5460.0, 5373.0, 5574.0, 5628.0, 5314.0, 5632.0 (number of hits: 7)
29	5510.0	9	1.0	333	1	5642.0, 5683.0, 5330.0, 5430.0, 5428.0, 5681.0, 5312.0, 5336.0, 5653.0, 5460.0, 5564.0, 5529.0, 5583.0, 5332.0, 5258.0, 5630.0, 5374.0, 5464.0, 5405.0, 5640.0, 5366.0, 5664.0, 5467.0, 5282.0, 5376.0, 5454.0, 5355.0, 5329.0, 5719.0, 5613.0, 5438.0, 5307.0, 5455.0, 5508.0, 5641.0, 5424.0, 5456.0, 5520.0, 5422.0, 5542.0, 5588.0, 5597.0, 5574.0, 5385.0, 5707.0, 5388.0, 5539.0, 5482.0, 5577.0, 5341.0, 5425.0, 5523.0, 5444.0, 5367.0, 5303.0, 5377.0, 5660.0, 5264.0, 5555.0, 5602.0, 5361.0, 5485.0, 5614.0, 5301.0, 5289.0, 5528.0, 5551.0, 5611.0, 5540.0, 5441.0, 5669.0, 5679.0, 5278.0, 5575.0, 5568.0, 5552.0, 5348.0, 5296.0, 5517.0, 5503.0, 5435.0, 5544.0, 5596.0, 5567.0, 5628.0, 5465.0, 5304.0, 5333.0, 5615.0, 5701.0, 5496.0, 5717.0, 5605.0, 5712.0, 5251.0, 5253.0, 5268.0, 5618.0, 5327.0, 5687.0 (number of hits: 6)
30	5510.0	9	1.0	333	1	5399.0, 5478.0, 5712.0, 5378.0, 5536.0, 5608.0, 5713.0, 5585.0, 5296.0, 5285.0, 5284.0, 5537.0, 5620.0, 5512.0, 5591.0, 5396.0, 5287.0, 5330.0, 5514.0, 5333.0, 5297.0, 5581.0, 5615.0, 5676.0, 5633.0, 5554.0, 5466.0, 5643.0, 5698.0, 5509.0, 5273.0, 5519.0, 5261.0, 5593.0, 5516.0, 5446.0, 5350.0, 5583.0, 5714.0, 5366.0, 5457.0, 5640.0, 5308.0, 5311.0, 5447.0, 5453.0, 5349.0, 5445.0, 5442.0, 5656.0, 5523.0, 5600.0, 5342.0, 5699.0, 5269.0, 5369.0, 5397.0, 5312.0, 5327.0, 5525.0, 5684.0, 5345.0, 5479.0, 5384.0, 5448.0, 5697.0, 5501.0, 5299.0, 5709.0, 5645.0, 5716.0, 5557.0, 5532.0, 5392.0, 5511.0, 5344.0, 5650.0, 5410.0, 5391.0, 5317.0, 5649.0, 5496.0, 5388.0, 5631.0, 5540.0, 5253.0, 5578.0, 5663.0, 5579.0, 5546.0, 5459.0, 5362.0, 5551.0, 5262.0, 5264.0, 5480.0, 5568.0, 5524.0, 5683.0, 5482.0 (number of hits: 11)

P2MP Mode
Pine Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	80 %	60%	Pass
Type 3	30	96.7 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	72	1.0	738	1
2	18	1.0	3066	1
3	67	1.0	798	1
4	89	1.0	598	1
5	86	1.0	618	1
6	76	1.0	698	1
7	102	1.0	518	1
8	62	1.0	858	1
9	63	1.0	838	1
10	65	1.0	818	1
11	58	1.0	918	1
12	68	1.0	778	1
13	92	1.0	578	1
14	99	1.0	538	1
15	78	1.0	678	1
16	58	1.0	910	1
17	40	1.0	1341	1
18	41	1.0	1308	1
19	38	1.0	1407	1
20	48	1.0	1110	1
21	35	1.0	1530	1
22	21	1.0	2526	1
23	24	1.0	2204	1
24	79	1.0	674	1
25	19	1.0	2800	1
26	18	1.0	3044	1
27	26	1.0	2036	1
28	27	1.0	1973	1
29	20	1.0	2733	1
30	28	1.0	1913	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	25	2.9	191	1
2	28	3.7	188	0
3	29	1.2	172	1
4	28	4.7	155	0
5	28	4.5	206	1
6	29	3.5	202	1
7	24	3.0	214	0
8	26	2.7	212	1
9	28	3.8	154	1
10	27	1.7	214	1
11	27	4.4	187	1
12	28	4.6	166	1
13	24	2.7	188	0
14	26	5.0	222	1
15	23	3.9	220	1
16	28	2.9	165	1
17	23	3.6	226	1
18	27	1.8	166	1
19	26	1.1	202	1
20	29	4.3	201	1
21	25	4.0	176	1
22	26	2.7	181	1
23	23	1.9	166	0
24	29	3.3	156	0
25	29	3.6	215	1
26	28	1.9	220	1
27	23	4.8	194	1
28	27	2.5	180	1
29	25	4.9	219	1
30	24	1.7	157	1
Detection Percentage: 80 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	9.7	241	1
2	17	7.4	223	1
3	17	6.9	428	1
4	17	7.7	283	1
5	18	8.6	380	1
6	18	7.3	395	1
7	18	6.5	206	1
8	17	6.3	275	1
9	16	8.7	296	1
10	18	8.0	306	1
11	16	8.0	434	1
12	16	7.1	303	1
13	17	7.2	314	1
14	16	9.0	386	1
15	17	6.4	337	1
16	17	8.2	293	1
17	17	9.8	247	0
18	17	7.5	202	1
19	18	9.3	478	1
20	17	6.6	245	1
21	16	6.0	407	1
22	18	8.7	428	1
23	18	9.9	269	1
24	16	7.7	374	1
25	16	6.1	452	1
26	18	9.9	345	1
27	17	7.3	479	1
28	18	7.9	215	1
29	16	9.3	338	1
30	18	9.0	273	1
Detection Percentage: 96.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	14	11.5	319	1
2	15	13.2	342	1
3	15	17.2	388	1
4	13	13.3	212	1
5	12	18.2	207	1
6	13	11.4	311	1
7	13	17.0	412	1
8	12	13.4	439	1
9	15	16.0	457	1
10	16	18.0	312	1
11	12	17.0	314	1
12	14	13.6	265	0
13	12	16.7	391	1
14	15	18.7	232	1
15	16	15.0	247	1
16	16	16.5	460	1
17	12	19.0	231	1
18	14	13.2	205	1
19	14	14.7	452	1
20	12	13.7	299	1
21	14	13.0	249	1
22	14	17.1	313	1
23	12	15.2	312	1
24	14	13.8	217	1
25	13	14.6	415	1
26	16	14.4	256	1
27	13	19.5	291	0
28	14	13.7	465	1
29	14	15.0	362	0
30	14	11.6	263	1
Detection Percentage: 90 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	5499.1	1
12	5493.9	1
13	5499.1	1
14	5493.5	1
15	5496.3	1
16	5496.7	1
17	5497.9	1
18	5499.1	1
19	5497.1	1
20	5499.1	1
21	5566.5	1
22	5565.7	1
23	5566.1	1
24	5566.1	1
25	5561.3	1
26	5562.5	1
27	5561.7	1
28	5564.5	1
29	5560.5	1
30	5566.5	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	90.4	1361	1873	0.644905	1
1	2	11	83.3	1912		1.397250	
2	1	11	50.3			3.801939	
3	2	11	91.6	1507		4.336346	
4	3	11	87.3	1384	1386	6.284899	
5	1	11	96.2			7.359500	
6	2	11	66.4	1424		8.019496	
7	2	11	76.0	1699		9.885068	
8	3	11	69.1	1459	1624	11.059633	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	54.8	1835		0.074458	1
1	3	8	67.4	1640	1102	0.989794	
2	2	8	77.0	1601		2.022485	
3	1	8	98.9			2.719668	
4	2	8	97.9	1544		3.496088	
5	2	8	92.4	1813		3.791064	
6	2	8	86.4	1928		4.899007	
7	2	8	61.1	1477		5.376930	
8	2	8	83.7	1204		5.687813	
9	2	8	72.9	1830		6.695359	
10	2	8	96.0	1928		7.655478	
11	2	8	65.9	1001		8.055606	
12	2	8	67.3	1931		9.118465	
13	2	8	78.9	1326		9.206100	
14	3	8	53.7	1189	1915	10.450636	
15	2	8	61.1	1859		10.803465	
16	2	8	77.5	1569		11.467385	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	53.7	1156		0.276811	1
1	3	7	95.0	1906	1897	1.011314	
2	1	7	67.8			1.536969	
3	2	7	66.3	1942		2.439722	
4	3	7	81.3	1035	1137	2.826971	
5	3	7	98.5	1662	1953	3.591887	
6	2	7	72.6	1685		4.349683	
7	1	7	51.6			5.069249	
8	2	7	69.3	1475		6.309042	
9	1	7	65.2			7.003636	
10	2	7	94.4	1845		7.708742	
11	2	7	88.4	1684		8.119774	
12	1	7	99.7			8.682339	
13	3	7	79.0	1849	1794	9.277160	
14	2	7	86.4	1043		10.230487	
15	2	7	68.3	1555		11.285665	
16	2	7	89.7	1113		11.738645	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	57.8	1903		0.137928	1
1	2	6	58.8	1087		2.058070	
2	2	6	64.2	1078		3.160397	
3	3	6	77.1	1826	1450	4.309623	
4	2	6	81.3	1783		5.335994	
5	3	6	67.1	1103	1930	5.526594	
6	2	6	80.0	1608		7.364993	
7	3	6	56.6	1330	1579	8.179488	
8	2	6	97.0	1729		8.942268	
9	2	6	50.0	1847		10.712432	
10	3	6	82.4	1730	1907	11.115772	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	89.9	1401	1797	0.337901	1
1	1	12	60.3			1.635219	
2	1	12	77.4			3.222388	
3	3	12	56.5	1925	1362	4.711390	
4	2	12	97.3	1355		5.324117	
5	2	12	54.1	1358		7.173353	
6	1	12	96.8			8.297334	
7	2	12	88.6	1783		8.714176	
8	2	12	76.6	1548		9.609783	
9	3	12	85.0	1271	1984	11.582136	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	56.9	1520		0.094443	1
1	2	15	90.0	1126		1.400379	
2	2	15	54.7	1385		2.689967	
3	1	15	97.6			4.489494	
4	1	15	54.4			6.368164	
5	1	15	95.2			7.795370	
6	1	15	99.0			9.082636	
7	1	15	55.6			10.169004	
8	2	15	60.9	1836		10.703400	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	58.9			0.348947	1
1	2	14	55.2	1991		0.857561	
2	1	14	98.1			2.000240	
3	2	14	64.6	1643		2.789744	
4	2	14	80.9	1931		3.587842	
5	1	14	73.0			4.493399	
6	3	14	92.2	1011	1572	5.051774	
7	2	14	80.1	1742		5.719148	
8	2	14	83.5	1089		6.306624	
9	1	14	79.4			6.951725	
10	1	14	83.7			8.090508	
11	3	14	56.9	1676	1264	8.325418	
12	3	14	89.4	1487	1314	9.679882	
13	3	14	92.9	1091	1843	9.990755	
14	3	14	79.7	1745	1060	10.771823	
15	3	14	88.7	1391	1641	11.833098	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	81.0			0.382846	
1	1	10	73.9			0.851468	
2	1	10	87.2			1.664590	
3	2	10	92.4	1105		2.020448	
4	1	10	63.1			2.635639	
5	1	10	64.4			3.423213	
6	2	10	50.1	1712		4.131620	
7	2	10	96.6	1176		5.018443	
8	2	10	92.5	1474		5.281770	
9	3	10	99.7	1505	1612	6.012955	1
10	2	10	54.7	1781		6.667160	
11	2	10	58.6	1597		7.353179	
12	2	10	57.9	1459		7.794721	
13	2	10	81.6	1585		8.355012	
14	2	10	68.7	1269		9.146541	
15	1	10	56.5			9.558321	
16	1	10	94.2			10.329617	
17	1	10	58.9			10.750504	
18	1	10	74.9			11.880251	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	88.4			0.831245	1
1	2	7	70.7	1834		0.974304	
2	2	7	51.4	1139		2.748243	
3	2	7	91.6	1761		3.570229	
4	3	7	64.2	1544	1626	4.549673	
5	3	7	85.2	1428	1980	5.260162	
6	1	7	68.0			6.220572	
7	2	7	97.5	1481		7.111019	
8	1	7	58.8			8.061522	
9	1	7	79.6			8.789033	
10	1	7	99.7			9.885952	
11	1	7	75.3			10.219005	
12	2	7	88.1	1566		11.497812	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	69.1	1500	1791	0.672797	1
1	3	12	75.7	1244	1485	0.829169	
2	3	12	66.5	1971	1728	1.710552	
3	3	12	80.7	1251	1984	2.528866	
4	2	12	93.9	1366		3.668607	
5	2	12	91.2	1882		4.311824	
6	2	12	77.1	1724		4.953868	
7	1	12	63.3			5.770757	
8	2	12	92.0	1136		6.708744	
9	1	12	86.8			7.101026	
10	1	12	97.7			8.155950	
11	1	12	83.6			8.695018	
12	2	12	53.8	1564		9.128340	
13	3	12	65.7	1970	1850	9.821072	
14	2	12	74.6	1787		11.132338	
15	2	12	78.2	1430		11.419249	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	75.1	1017	1637	0.333670	
1	1	19	66.6			1.537600	
2	3	19	88.7	1780	1979	2.493013	
3	2	19	58.6	1345		3.007403	
4	2	19	57.6	1972		4.488122	
5	2	19	85.6	1790		5.275346	
6	2	19	61.7	1191		5.598540	1
7	3	19	60.3	1097	1900	7.209531	
8	2	19	50.3	1782		7.489410	
9	2	19	52.1	1040		8.784752	
10	1	19	98.0			9.709066	
11	1	19	73.4			10.774200	
12	2	19	66.1	1995		11.110500	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	90.1	1949	1321	0.086729	
1	2	6	95.1	1828		1.773683	
2	2	6	58.2	1292		2.893177	
3	3	6	68.0	1688	1785	3.874200	
4	2	6	61.5	1746		4.415040	
5	2	6	64.6	1690		5.317433	
6	2	6	94.2	1091		6.764803	1
7	2	6	68.7	1011		7.736121	
8	2	6	71.6	1712		8.923654	
9	3	6	96.9	1524	1762	9.844427	
10	2	6	58.0	1710		10.081085	
11	2	6	70.9	1043		11.507583	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	93.7			0.264513	1
1	2	19	68.5	1025		1.670874	
2	3	19	61.4	1666	1501	2.235058	
3	1	19	81.1			3.222851	
4	3	19	82.5	1279	1045	4.099290	
5	3	19	55.7	1494	1735	5.446896	
6	1	19	71.9			5.707004	
7	3	19	79.5	1577	1315	6.813484	
8	3	19	71.1	1858	1532	7.450756	
9	2	19	86.9	1765		8.426295	
10	2	19	81.6	1975		9.375876	
11	1	19	69.0			10.687625	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	91.6	1208		0.034316	1
1	2	5	67.1	1804		1.101908	
2	2	5	57.0	1500		1.483073	
3	3	5	99.7	1400	1343	2.744737	
4	2	5	71.3	1549		3.258974	
5	2	5	94.0	1453		3.894622	
6	3	5	85.9	1630	1436	4.528988	
7	2	5	90.3	1047		5.079765	
8	2	5	68.0	1229		6.061956	
9	3	5	89.3	1856	1378	6.361923	
10	2	5	84.3	1376		7.175978	
11	2	5	69.7	1874		8.298455	
12	2	5	60.2	1008		8.749682	
13	2	5	59.3	1679		9.478038	
14	1	5	86.9			10.547677	
15	1	5	96.2			10.869323	
16	3	5	64.9	1621	1053	11.827510	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	69.4	1291		0.198421	1
1	2	12	97.0	1584		1.416302	
2	1	12	62.3			2.593491	
3	3	12	89.4	1374	1073	3.494556	
4	3	12	95.8	1527	1208	4.866426	
5	2	12	100.0	1997		5.133463	
6	2	12	63.1	1201		6.297523	
7	2	12	55.3	1865		7.191495	
8	1	12	76.7			8.260359	
9	2	12	76.9	1676		9.976025	
10	3	12	69.5	1023	1339	10.216964	
11	1	12	63.9			11.773030	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	59.5			0.975744	1
1	3	13	93.6	1628	1466	1.442140	
2	3	13	52.4	1892	1002	3.066491	
3	2	13	85.1	1145		3.437146	
4	3	13	98.3	1259	1466	5.199984	
5	2	13	87.6	1900		6.215654	
6	2	13	79.3	1086		6.974112	
7	1	13	78.2			7.880947	
8	2	13	76.8	1387		8.755960	
9	3	13	67.6	1956	1502	10.197367	
10	1	13	82.7			11.012912	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	83.9	1936		0.598724	1
1	2	16	56.4	1805		0.992635	
2	2	16	82.8	1156		2.035390	
3	1	16	52.1			2.809333	
4	3	16	97.7	1640	1535	3.639173	
5	3	16	78.8	1463	1974	3.843477	
6	2	16	96.8	1023		5.132154	
7	2	16	79.8	1029		5.963649	
8	2	16	90.8	1111		6.104007	
9	2	16	62.9	1000		6.815874	
10	1	16	83.3			7.843498	
11	2	16	56.8	1479		8.503742	
12	3	16	89.3	1661	1203	9.691444	
13	2	16	65.4	1461		9.934607	
14	1	16	53.8			11.090766	
15	1	16	97.5			11.948948	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	82.8	1232		0.648049	1
1	3	19	96.2	1386	1932	0.780897	
2	2	19	60.4	1700		2.117763	
3	3	19	93.6	1696	1853	2.885150	
4	1	19	56.5			3.032810	
5	3	19	84.0	1238	1877	4.388840	
6	3	19	79.2	1532	1777	4.672535	
7	2	19	55.4	1003		5.789414	
8	1	19	69.8			6.690529	
9	3	19	54.9	1023	1413	7.178005	
10	3	19	62.6	1498	1854	7.960807	
11	2	19	73.1	1403		8.662722	
12	2	19	76.7	1320		9.157436	
13	2	19	67.7	1114		10.040604	
14	1	19	53.3			11.124787	
15	1	19	73.0			11.953485	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	69.8	1700		0.093681	
1	1	14	52.6			1.382897	
2	3	14	52.3	1950	1882	1.783622	
3	2	14	71.2	1571		2.674032	
4	2	14	63.4	1391		3.466335	
5	3	14	96.0	1359	1506	3.789071	
6	3	14	63.0	1711	1421	4.580012	
7	3	14	79.9	1970	1912	5.519323	
8	2	14	74.6	1911		6.066058	1
9	2	14	72.2	1890		6.716883	
10	1	14	82.3			7.143590	
11	2	14	58.2	1888		8.374632	
12	2	14	88.9	1454		8.943907	
13	3	14	64.4	1794	1962	9.443702	
14	3	14	78.8	1207	1161	10.209588	
15	2	14	93.0	1900		10.596447	
16	1	14	94.4			11.842603	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	68.8	1116	1114	0.225981	
1	2	19	64.5	1462		0.842500	
2	2	19	85.2	1765		1.538729	
3	2	19	54.6	1567		2.319296	
4	2	19	82.7	1430		2.552247	
5	2	19	78.7	1898		3.695268	
6	3	19	79.9	1842	1339	4.235811	
7	3	19	58.0	1771	1232	4.738706	
8	1	19	67.9			5.655423	
9	3	19	58.4	1198	1238	6.196237	1
10	2	19	63.1	1643		6.688362	
11	1	19	93.2			7.482344	
12	2	19	79.9	1154		8.069313	
13	3	19	80.6	1287	1529	8.343585	
14	2	19	93.2	1077		9.436935	
15	1	19	76.1			9.833144	
16	2	19	91.7	1654		10.511320	
17	3	19	57.8	1062	1468	11.061415	
18	2	19	66.1	1304		11.955697	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	73.0	1479		0.215614	
1	3	5	77.9	1574	1810	0.833603	
2	2	5	92.1	1700		1.684552	
3	1	5	78.0			1.938784	
4	3	5	51.6	1248	1944	3.090846	
5	2	5	76.1	1237		3.751948	
6	2	5	83.9	1999		4.291562	
7	3	5	67.8	1535	1260	4.619809	
8	2	5	55.3	1171		5.452808	
9	2	5	82.9	1126		6.179025	1
10	3	5	85.0	1143	1089	6.850506	
11	3	5	50.8	1789	1635	7.000732	
12	2	5	57.6	1525		7.695241	
13	3	5	85.9	1409	1438	8.769541	
14	1	5	62.6			9.292413	
15	1	5	93.6			9.850510	
16	2	5	97.8	1730		10.155766	
17	1	5	75.4			11.114830	
18	2	5	89.6	1457		11.391376	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	82.1	1028		0.736876	1
1	1	7	78.6			0.924697	
2	1	7	97.2			1.811896	
3	3	7	63.4	1943	1215	2.373388	
4	1	7	74.2			3.022307	
5	2	7	69.0	1334		3.942413	
6	2	7	63.9	1916		4.899731	
7	1	7	93.2			5.291000	
8	2	7	74.7	1136		6.535688	
9	2	7	92.6	1538		6.981644	
10	1	7	58.1			7.760040	
11	3	7	94.1	1353	1800	8.939567	
12	3	7	81.4	1940	1337	9.524809	
13	2	7	63.8	1217		10.322254	
14	1	7	91.3			10.602484	
15	2	7	51.1	1508		11.890207	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	64.0			0.334511	
1	1	6	76.5			1.126718	
2	2	6	80.1	1998		1.434161	
3	3	6	54.7	1231	1636	2.014191	
4	1	6	70.8			3.048736	
5	2	6	70.4	1224		3.443761	
6	2	6	77.4	1943		4.083085	
7	2	6	82.9	1600		4.837346	
8	2	6	93.9	1058		5.555427	
9	3	6	56.1	1882	1296	5.775931	1
10	2	6	80.4	1520		6.659772	
11	2	6	97.2	1346		6.984973	
12	2	6	66.4	1473		7.587384	
13	2	6	66.4	1803		8.833870	
14	2	6	77.6	1597		8.848908	
15	3	6	77.6	1468	1149	9.881082	
16	2	6	84.9	1063		10.226394	
17	1	6	52.5			10.824248	
18	2	6	95.1	1734		11.536463	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	72.0	1874		0.548256	1
1	2	6	82.4	1853		1.770462	
2	1	6	56.1			2.546420	
3	1	6	56.4			3.377276	
4	2	6	99.6	1523		5.384779	
5	1	6	93.3			5.535732	
6	1	6	61.3			7.629373	
7	2	6	62.4	1435		8.615533	
8	3	6	94.3	1553	1025	8.774436	
9	2	6	55.7	1778		10.540404	
10	3	6	60.6	1454	1935	11.132220	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	50.2	1454		0.344333	1
1	1	18	70.2			1.710884	
2	2	18	68.0	1807		3.364428	
3	3	18	74.3	1244	1516	3.837117	
4	2	18	60.8	1850		5.400451	
5	2	18	72.2	1148		6.868587	
6	3	18	64.3	1042	1781	8.181697	
7	2	18	89.6	1065		8.903989	
8	2	18	97.2	1420		10.700230	
9	2	18	96.9	1848		11.403769	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	82.3	1125		0.154442	1
1	2	15	54.7	1268		1.315477	
2	1	15	64.2			2.587892	
3	2	15	88.4	1873		3.417471	
4	2	15	93.5	1115		4.757337	
5	2	15	57.5	1941		5.556877	
6	3	15	56.1	1011	1458	6.800796	
7	2	15	99.8	1186		7.217581	
8	2	15	87.4	1722		8.726939	
9	2	15	57.2	1437		9.683114	
10	2	15	75.1	1946		10.694366	
11	1	15	59.1			11.269381	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	17	62.9			1.072097	1
1	3	17	57.7	1372	1823	1.410804	
2	1	17	89.0			3.518988	
3	3	17	96.9	1290	1249	4.742607	
4	1	17	94.1			5.557407	
5	1	17	81.6			6.810077	
6	2	17	97.3	1992		8.102082	
7	2	17	66.0	1090		10.084986	
8	3	17	70.6	1812	1726	11.145230	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	66.8	1010	1605	0.424321	
1	1	10	80.4			1.828871	
2	2	10	75.5	1411		2.016217	
3	2	10	91.4	1723		3.610252	
4	2	10	54.6	1145		4.462537	
5	1	10	54.1			4.792543	
6	2	10	67.2	1863		5.964544	1
7	2	10	98.4	1019		7.125054	
8	3	10	78.5	1855	1470	8.220112	
9	1	10	55.7			9.098300	
10	1	10	53.3			9.404818	
11	2	10	66.5	1661		10.303722	
12	3	10	90.3	1713	1980	11.206532	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	99.3			0.395263	
1	3	20	83.2	1560	1335	1.706864	
2	3	20	62.1	1193	1536	3.124132	
3	2	20	78.1	1922		3.906612	
4	3	20	59.4	1411	1519	5.747983	
5	2	20	97.7	1753		6.285116	1
6	2	20	72.2	1151		7.558431	
7	1	20	95.2			9.036943	
8	2	20	68.6	1419		9.951212	
9	1	20	77.9			11.646043	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	85.5	1882		0.349939	
1	2	5	83.4	1646		0.817413	
2	3	5	84.1	1309	1187	1.806193	
3	1	5	92.5			2.668338	
4	1	5	85.8			3.258446	
5	3	5	74.8	1139	1610	4.751578	
6	1	5	64.2			5.508675	
7	2	5	70.7	1223		5.645231	1
8	1	5	66.3			6.841352	
9	1	5	73.3			7.211691	
10	2	5	87.2	1871		8.704992	
11	1	5	72.6			8.947388	
12	2	5	68.3	1647		10.070873	
13	1	5	50.1			10.435364	
14	2	5	78.2	1533		11.828849	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530.0	9	1.0	333	1	5320.0, 5372.0, 5600.0, 5715.0, 5691.0, 5402.0, 5464.0, 5571.0, 5720.0, 5700.0, 5617.0, 5680.0, 5532.0, 5677.0, 5412.0, 5406.0, 5383.0, 5517.0, 5394.0, 5308.0, 5539.0, 5544.0, 5274.0, 5303.0, 5684.0, 5432.0, 5716.0, 5480.0, 5445.0, 5688.0, 5279.0, 5585.0, 5612.0, 5397.0, 5408.0, 5530.0, 5344.0, 5553.0, 5624.0, 5339.0, 5723.0, 5618.0, 5602.0, 5638.0, 5417.0, 5332.0, 5436.0, 5643.0, 5531.0, 5284.0, 5722.0, 5663.0, 5435.0, 5457.0, 5446.0, 5604.0, 5306.0, 5373.0, 5438.0, 5693.0, 5596.0, 5317.0, 5388.0, 5429.0, 5423.0, 5485.0, 5409.0, 5335.0, 5598.0, 5453.0, 5455.0, 5377.0, 5309.0, 5400.0, 5562.0, 5556.0, 5319.0, 5647.0, 5493.0, 5325.0, 5678.0, 5326.0, 5505.0, 5661.0, 5578.0, 5718.0, 5389.0, 5439.0, 5569.0, 5486.0, 5538.0, 5323.0, 5646.0, 5482.0, 5463.0, 5386.0, 5287.0, 5302.0, 5313.0, 5459.0 (number of hits: 12)
2	5530.0	9	1.0	333	1	5386.0, 5683.0, 5372.0, 5509.0, 5426.0, 5646.0, 5512.0, 5697.0, 5690.0, 5276.0, 5464.0, 5430.0, 5658.0, 5595.0, 5638.0, 5377.0, 5382.0, 5645.0, 5340.0, 5533.0, 5281.0, 5564.0, 5300.0, 5449.0, 5613.0, 5373.0, 5328.0, 5420.0, 5270.0, 5673.0, 5366.0, 5610.0, 5297.0, 5710.0, 5538.0, 5370.0, 5689.0, 5539.0, 5279.0, 5400.0, 5574.0, 5649.0, 5670.0, 5333.0, 5656.0, 5642.0, 5714.0, 5669.0, 5375.0, 5559.0, 5536.0, 5380.0, 5488.0, 5358.0, 5332.0, 5283.0, 5427.0, 5561.0, 5394.0, 5289.0, 5588.0, 5277.0, 5698.0, 5495.0, 5456.0, 5524.0, 5282.0, 5288.0, 5611.0, 5344.0, 5668.0, 5487.0, 5537.0, 5511.0, 5475.0, 5490.0, 5451.0, 5718.0, 5639.0, 5306.0, 5367.0, 5655.0, 5513.0, 5615.0, 5671.0, 5604.0, 5439.0, 5395.0, 5364.0, 5458.0, 5605.0, 5696.0, 5450.0, 5307.0, 5422.0, 5607.0, 5401.0, 5520.0, 5325.0, 5415.0 (number of hits: 15)
3	5530.0	9	1.0	333	1	5420.0, 5632.0, 5413.0, 5712.0, 5585.0, 5396.0, 5534.0, 5372.0, 5596.0, 5460.0, 5669.0, 5529.0, 5497.0, 5501.0, 5592.0, 5528.0, 5268.0, 5591.0, 5343.0, 5645.0, 5307.0, 5476.0, 5459.0, 5710.0, 5514.0, 5639.0, 5384.0, 5594.0, 5603.0, 5470.0, 5394.0, 5717.0, 5410.0, 5272.0, 5658.0, 5653.0, 5642.0, 5708.0, 5374.0, 5267.0, 5683.0, 5536.0, 5356.0, 5516.0, 5557.0, 5276.0, 5590.0, 5414.0, 5408.0, 5339.0, 5287.0, 5564.0, 5373.0, 5623.0, 5329.0, 5477.0, 5629.0, 5404.0, 5586.0, 5716.0, 5422.0, 5417.0, 5660.0, 5250.0, 5406.0, 5679.0, 5638.0, 5306.0, 5630.0, 5633.0, 5379.0, 5411.0, 5521.0, 5377.0, 5656.0, 5504.0, 5696.0, 5599.0, 5646.0, 5301.0, 5280.0, 5709.0, 5318.0, 5544.0, 5714.0, 5328.0, 5464.0, 5286.0, 5474.0, 5326.0, 5393.0, 5429.0, 5600.0, 5479.0, 5426.0, 5667.0, 5387.0, 5622.0, 5518.0, 5615.0 (number of hits: 14)
4	5530.0	9	1.0	333	1	5601.0, 5715.0, 5710.0, 5384.0, 5461.0, 5688.0, 5514.0, 5716.0, 5569.0, 5282.0, 5540.0, 5364.0, 5472.0, 5289.0, 5291.0, 5648.0, 5419.0, 5627.0, 5606.0, 5686.0, 5512.0, 5682.0, 5325.0, 5354.0, 5455.0, 5522.0, 5674.0, 5543.0, 5284.0, 5499.0, 5530.0, 5618.0, 5376.0, 5318.0, 5504.0, 5481.0, 5401.0, 5323.0, 5553.0, 5301.0, 5693.0, 5572.0, 5272.0, 5479.0, 5468.0, 5404.0, 5598.0, 5694.0, 5635.0, 5375.0, 5328.0, 5480.0, 5714.0, 5484.0, 5344.0, 5667.0, 5649.0, 5621.0, 5473.0, 5579.0, 5438.0, 5254.0, 5309.0, 5277.0, 5643.0, 5450.0, 5547.0, 5523.0, 5558.0, 5259.0, 5647.0, 5471.0, 5541.0, 5362.0, 5588.0, 5358.0, 5665.0, 5390.0, 5687.0, 5633.0, 5614.0, 5260.0, 5253.0, 5380.0, 5663.0, 5317.0, 5696.0, 5366.0, 5642.0, 5314.0, 5664.0, 5437.0, 5509.0, 5266.0, 5602.0, 5646.0, 5355.0, 5666.0, 5501.0, 5428.0 (number of hits: 15)
5	5530.0	9	1.0	333	1	5507.0, 5458.0, 5652.0, 5722.0, 5565.0, 5522.0, 5687.0, 5312.0, 5707.0, 5553.0, 5697.0, 5717.0, 5366.0, 5597.0, 5563.0, 5695.0, 5367.0, 5441.0, 5405.0, 5432.0, 5456.0, 5595.0, 5637.0, 5434.0,

						5572.0, 5284.0, 5528.0, 5311.0, 5709.0, 5534.0, 5533.0, 5524.0, 5385.0, 5254.0, 5568.0, 5644.0, 5712.0, 5259.0, 5598.0, 5430.0, 5509.0, 5473.0, 5371.0, 5688.0, 5609.0, 5683.0, 5450.0, 5574.0, 5558.0, 5265.0, 5397.0, 5330.0, 5718.0, 5381.0, 5352.0, 5438.0, 5465.0, 5471.0, 5514.0, 5494.0, 5617.0, 5453.0, 5464.0, 5666.0, 5455.0, 5491.0, 5599.0, 5498.0, 5538.0, 5400.0, 5686.0, 5602.0, 5424.0, 5325.0, 5490.0, 5300.0, 5584.0, 5412.0, 5573.0, 5672.0, 5650.0, 5460.0, 5328.0, 5497.0, 5516.0, 5401.0, 5581.0, 5588.0, 5621.0, 5317.0, 5632.0, 5510.0, 5474.0, 5302.0, 5349.0, 5360.0, 5613.0, 5571.0, 5670.0, 5427.0 (number of hits: 18)
6	5530.0	9	1.0	333	1	5421.0, 5277.0, 5319.0, 5262.0, 5366.0, 5432.0, 5555.0, 5495.0, 5410.0, 5347.0, 5641.0, 5442.0, 5465.0, 5274.0, 5686.0, 5532.0, 5689.0, 5310.0, 5699.0, 5562.0, 5265.0, 5655.0, 5345.0, 5518.0, 5317.0, 5633.0, 5290.0, 5603.0, 5472.0, 5582.0, 5612.0, 5559.0, 5385.0, 5505.0, 5307.0, 5279.0, 5384.0, 5521.0, 5343.0, 5475.0, 5584.0, 5659.0, 5697.0, 5643.0, 5500.0, 5258.0, 5702.0, 5706.0, 5664.0, 5467.0, 5293.0, 5507.0, 5492.0, 5588.0, 5625.0, 5616.0, 5479.0, 5570.0, 5305.0, 5480.0, 5719.0, 5516.0, 5306.0, 5591.0, 5637.0, 5716.0, 5594.0, 5519.0, 5497.0, 5452.0, 5448.0, 5541.0, 5299.0, 5574.0, 5436.0, 5346.0, 5676.0, 5423.0, 5687.0, 5470.0, 5344.0, 5711.0, 5653.0, 5631.0, 5326.0, 5284.0, 5561.0, 5438.0, 5554.0, 5714.0, 5304.0, 5351.0, 5635.0, 5494.0, 5552.0, 5444.0, 5548.0, 5386.0, 5357.0, 5585.0 (number of hits: 20)
7	5530.0	9	1.0	333	1	5658.0, 5447.0, 5354.0, 5564.0, 5563.0, 5578.0, 5588.0, 5708.0, 5647.0, 5365.0, 5511.0, 5687.0, 5661.0, 5507.0, 5594.0, 5485.0, 5349.0, 5519.0, 5556.0, 5412.0, 5547.0, 5660.0, 5664.0, 5257.0, 5472.0, 5529.0, 5353.0, 5455.0, 5326.0, 5291.0, 5698.0, 5602.0, 5470.0, 5636.0, 5357.0, 5583.0, 5456.0, 5373.0, 5639.0, 5597.0, 5458.0, 5265.0, 5414.0, 5347.0, 5284.0, 5280.0, 5287.0, 5576.0, 5448.0, 5711.0, 5444.0, 5627.0, 5374.0, 5336.0, 5700.0, 5467.0, 5653.0, 5438.0, 5451.0, 5304.0, 5468.0, 5442.0, 5720.0, 5441.0, 5612.0, 5361.0, 5616.0, 5584.0, 5384.0, 5369.0, 5568.0, 5473.0, 5679.0, 5640.0, 5286.0, 5496.0, 5688.0, 5532.0, 5328.0, 5666.0, 5683.0, 5449.0, 5676.0, 5517.0, 5605.0, 5704.0, 5550.0, 5579.0, 5411.0, 5476.0, 5714.0, 5312.0, 5452.0, 5406.0, 5537.0, 5480.0, 5430.0, 5562.0, 5340.0, 5631.0 (number of hits: 14)
8	5530.0	9	1.0	333	1	5349.0, 5312.0, 5333.0, 5632.0, 5660.0, 5269.0, 5380.0, 5476.0, 5395.0, 5494.0, 5522.0, 5445.0, 5288.0, 5589.0, 5552.0, 5501.0, 5500.0, 5375.0, 5719.0, 5306.0, 5672.0, 5723.0, 5663.0, 5274.0, 5330.0, 5640.0, 5295.0, 5642.0, 5370.0, 5718.0, 5321.0, 5502.0, 5322.0, 5605.0, 5548.0, 5283.0, 5489.0, 5419.0, 5336.0, 5273.0, 5583.0, 5438.0, 5686.0, 5669.0, 5405.0, 5318.0, 5618.0, 5646.0, 5650.0, 5491.0, 5338.0, 5391.0, 5402.0, 5457.0, 5263.0, 5325.0, 5575.0, 5668.0, 5347.0, 5626.0, 5540.0, 5656.0, 5524.0, 5695.0, 5715.0, 5265.0, 5382.0, 5400.0, 5281.0, 5598.0, 5352.0, 5271.0, 5555.0, 5389.0, 5556.0, 5287.0, 5282.0, 5472.0, 5427.0, 5268.0, 5299.0, 5707.0, 5582.0, 5256.0, 5610.0, 5436.0, 5512.0, 5563.0, 5619.0, 5257.0, 5440.0, 5641.0, 5450.0, 5411.0, 5417.0, 5483.0, 5315.0, 5294.0, 5515.0, 5526.0 (number of hits: 15)
9	5530.0	9	1.0	333	1	5318.0, 5654.0, 5606.0, 5647.0, 5650.0, 5409.0, 5624.0, 5684.0, 5629.0, 5669.0, 5334.0, 5364.0, 5583.0, 5512.0, 5668.0, 5353.0, 5448.0, 5367.0, 5645.0, 5628.0, 5541.0, 5307.0, 5605.0, 5701.0, 5657.0, 5483.0, 5604.0, 5506.0, 5563.0, 5708.0, 5484.0, 5634.0, 5429.0, 5397.0, 5513.0, 5369.0, 5637.0, 5664.0, 5434.0, 5556.0, 5572.0, 5686.0, 5566.0, 5505.0, 5418.0, 5403.0, 5631.0, 5348.0, 5338.0, 5626.0, 5400.0, 5721.0, 5299.0, 5414.0, 5522.0, 5352.0, 5515.0, 5659.0, 5683.0, 5342.0, 5293.0, 5722.0, 5704.0, 5597.0, 5543.0, 5641.0, 5517.0, 5261.0, 5433.0, 5630.0, 5612.0, 5481.0, 5455.0, 5712.0, 5450.0, 5480.0, 5570.0, 5415.0, 5618.0, 5636.0, 5339.0, 5547.0, 5410.0, 5323.0, 5473.0, 5627.0, 5580.0, 5432.0, 5308.0, 5404.0, 5474.0, 5635.0, 5475.0, 5431.0, 5275.0, 5713.0,

						5619.0, 5577.0, 5456.0, 5706.0 (number of hits: 13)
10	5530.0	9	1.0	333	1	5321.0, 5350.0, 5480.0, 5626.0, 5265.0, 5569.0, 5333.0, 5558.0, 5546.0, 5345.0, 5275.0, 5521.0, 5318.0, 5280.0, 5590.0, 5340.0, 5448.0, 5617.0, 5515.0, 5433.0, 5406.0, 5418.0, 5674.0, 5533.0, 5347.0, 5514.0, 5635.0, 5660.0, 5490.0, 5303.0, 5363.0, 5711.0, 5501.0, 5699.0, 5694.0, 5424.0, 5649.0, 5256.0, 5542.0, 5574.0, 5484.0, 5615.0, 5313.0, 5525.0, 5537.0, 5499.0, 5667.0, 5583.0, 5551.0, 5622.0, 5438.0, 5632.0, 5653.0, 5323.0, 5322.0, 5483.0, 5498.0, 5669.0, 5370.0, 5330.0, 5273.0, 5315.0, 5688.0, 5675.0, 5673.0, 5300.0, 5460.0, 5529.0, 5683.0, 5476.0, 5308.0, 5547.0, 5601.0, 5586.0, 5417.0, 5562.0, 5328.0, 5530.0, 5390.0, 5461.0, 5642.0, 5402.0, 5401.0, 5508.0, 5724.0, 5652.0, 5685.0, 5272.0, 5437.0, 5294.0, 5708.0, 5648.0, 5701.0, 5575.0, 5305.0, 5332.0, 5464.0, 5302.0, 5441.0, 5703.0 (number of hits: 18)
11	5530.0	9	1.0	333	1	5414.0, 5330.0, 5324.0, 5524.0, 5635.0, 5436.0, 5280.0, 5400.0, 5423.0, 5561.0, 5623.0, 5379.0, 5713.0, 5458.0, 5449.0, 5462.0, 5590.0, 5404.0, 5428.0, 5550.0, 5265.0, 5337.0, 5536.0, 5588.0, 5473.0, 5624.0, 5523.0, 5610.0, 5253.0, 5356.0, 5720.0, 5430.0, 5548.0, 5625.0, 5668.0, 5485.0, 5539.0, 5657.0, 5529.0, 5601.0, 5593.0, 5437.0, 5582.0, 5454.0, 5365.0, 5300.0, 5576.0, 5680.0, 5663.0, 5390.0, 5634.0, 5461.0, 5460.0, 5373.0, 5439.0, 5272.0, 5639.0, 5654.0, 5626.0, 5581.0, 5459.0, 5405.0, 5418.0, 5441.0, 5505.0, 5543.0, 5651.0, 5694.0, 5326.0, 5698.0, 5571.0, 5532.0, 5508.0, 5395.0, 5618.0, 5681.0, 5419.0, 5478.0, 5267.0, 5670.0, 5661.0, 5392.0, 5658.0, 5413.0, 5450.0, 5497.0, 5321.0, 5697.0, 5308.0, 5662.0, 5276.0, 5502.0, 5490.0, 5376.0, 5260.0, 5336.0, 5723.0, 5339.0, 5342.0, 5499.0 (number of hits: 15)
12	5530.0	9	1.0	333	1	5448.0, 5490.0, 5504.0, 5300.0, 5494.0, 5590.0, 5514.0, 5571.0, 5649.0, 5487.0, 5274.0, 5380.0, 5553.0, 5419.0, 5647.0, 5288.0, 5609.0, 5718.0, 5260.0, 5613.0, 5659.0, 5602.0, 5327.0, 5318.0, 5701.0, 5575.0, 5454.0, 5350.0, 5682.0, 5516.0, 5629.0, 5477.0, 5708.0, 5265.0, 5565.0, 5676.0, 5688.0, 5505.0, 5392.0, 5546.0, 5658.0, 5679.0, 5262.0, 5525.0, 5403.0, 5686.0, 5640.0, 5431.0, 5360.0, 5369.0, 5470.0, 5299.0, 5314.0, 5323.0, 5680.0, 5624.0, 5346.0, 5668.0, 5388.0, 5377.0, 5605.0, 5307.0, 5673.0, 5526.0, 5421.0, 5530.0, 5433.0, 5614.0, 5554.0, 5457.0, 5363.0, 5353.0, 5441.0, 5584.0, 5589.0, 5660.0, 5693.0, 5449.0, 5356.0, 5316.0, 5502.0, 5357.0, 5251.0, 5432.0, 5409.0, 5425.0, 5626.0, 5373.0, 5537.0, 5662.0, 5583.0, 5479.0, 5426.0, 5536.0, 5511.0, 5585.0, 5359.0, 5621.0, 5512.0, 5570.0 (number of hits: 17)
13	5530.0	9	1.0	333	1	5269.0, 5684.0, 5379.0, 5530.0, 5656.0, 5652.0, 5564.0, 5626.0, 5451.0, 5611.0, 5436.0, 5550.0, 5419.0, 5581.0, 5278.0, 5607.0, 5494.0, 5497.0, 5619.0, 5403.0, 5435.0, 5294.0, 5633.0, 5351.0, 5329.0, 5301.0, 5457.0, 5287.0, 5689.0, 5418.0, 5645.0, 5328.0, 5566.0, 5585.0, 5631.0, 5377.0, 5667.0, 5510.0, 5344.0, 5715.0, 5672.0, 5461.0, 5680.0, 5507.0, 5606.0, 5330.0, 5565.0, 5724.0, 5520.0, 5404.0, 5312.0, 5567.0, 5411.0, 5694.0, 5437.0, 5685.0, 5558.0, 5654.0, 5500.0, 5683.0, 5356.0, 5493.0, 5502.0, 5525.0, 5665.0, 5397.0, 5335.0, 5503.0, 5601.0, 5595.0, 5274.0, 5521.0, 5605.0, 5628.0, 5499.0, 5455.0, 5255.0, 5272.0, 5677.0, 5355.0, 5428.0, 5460.0, 5388.0, 5296.0, 5612.0, 5602.0, 5323.0, 5416.0, 5483.0, 5429.0, 5297.0, 5360.0, 5442.0, 5280.0, 5529.0, 5321.0, 5617.0, 5580.0, 5711.0, 5357.0 (number of hits: 20)
14	5530.0	9	1.0	333	1	5434.0, 5346.0, 5563.0, 5349.0, 5584.0, 5600.0, 5396.0, 5290.0, 5537.0, 5614.0, 5273.0, 5503.0, 5699.0, 5438.0, 5650.0, 5606.0, 5541.0, 5593.0, 5587.0, 5556.0, 5555.0, 5417.0, 5263.0, 5631.0, 5414.0, 5335.0, 5403.0, 5420.0, 5482.0, 5257.0, 5305.0, 5596.0, 5694.0, 5502.0, 5616.0, 5284.0, 5336.0, 5375.0, 5386.0, 5594.0, 5618.0, 5365.0, 5287.0, 5674.0, 5418.0, 5632.0, 5384.0, 5459.0, 5382.0, 5280.0, 5713.0, 5435.0, 5719.0, 5605.0, 5544.0, 5495.0, 5323.0, 5524.0, 5378.0, 5673.0, 5566.0, 5604.0, 5474.0, 5269.0,

						5343.0, 5352.0, 5475.0, 5505.0, 5640.0, 5409.0, 5498.0, 5298.0, 5691.0, 5572.0, 5532.0, 5577.0, 5464.0, 5289.0, 5504.0, 5500.0, 5518.0, 5490.0, 5286.0, 5347.0, 5484.0, 5320.0, 5615.0, 5534.0, 5669.0, 5381.0, 5533.0, 5560.0, 5288.0, 5455.0, 5601.0, 5424.0, 5642.0, 5436.0, 5546.0, 5567.0 (number of hits: 22)
15	5530.0	9	1.0	333	1	5542.0, 5556.0, 5376.0, 5510.0, 5410.0, 5346.0, 5303.0, 5665.0, 5451.0, 5701.0, 5576.0, 5499.0, 5682.0, 5351.0, 5450.0, 5458.0, 5572.0, 5684.0, 5703.0, 5522.0, 5616.0, 5651.0, 5644.0, 5605.0, 5488.0, 5544.0, 5714.0, 5669.0, 5521.0, 5398.0, 5256.0, 5629.0, 5609.0, 5338.0, 5540.0, 5279.0, 5390.0, 5432.0, 5639.0, 5258.0, 5719.0, 5460.0, 5705.0, 5708.0, 5353.0, 5252.0, 5570.0, 5548.0, 5369.0, 5412.0, 5625.0, 5606.0, 5478.0, 5437.0, 5507.0, 5310.0, 5504.0, 5592.0, 5324.0, 5526.0, 5331.0, 5276.0, 5689.0, 5680.0, 5452.0, 5534.0, 5365.0, 5561.0, 5520.0, 5487.0, 5716.0, 5385.0, 5393.0, 5342.0, 5566.0, 5413.0, 5646.0, 5440.0, 5687.0, 5299.0, 5568.0, 5467.0, 5263.0, 5588.0, 5564.0, 5506.0, 5582.0, 5578.0, 5575.0, 5316.0, 5491.0, 5551.0, 5304.0, 5558.0, 5497.0, 5574.0, 5631.0, 5266.0, 5527.0, 5431.0 (number of hits: 22)
16	5530.0	9	1.0	333	1	5720.0, 5509.0, 5430.0, 5403.0, 5668.0, 5408.0, 5658.0, 5457.0, 5613.0, 5474.0, 5310.0, 5635.0, 5634.0, 5667.0, 5333.0, 5578.0, 5687.0, 5488.0, 5448.0, 5538.0, 5501.0, 5627.0, 5555.0, 5366.0, 5495.0, 5585.0, 5475.0, 5540.0, 5452.0, 5661.0, 5694.0, 5496.0, 5719.0, 5367.0, 5652.0, 5666.0, 5337.0, 5260.0, 5640.0, 5440.0, 5272.0, 5582.0, 5318.0, 5576.0, 5571.0, 5305.0, 5617.0, 5411.0, 5359.0, 5706.0, 5547.0, 5682.0, 5556.0, 5350.0, 5535.0, 5439.0, 5546.0, 5646.0, 5425.0, 5513.0, 5506.0, 5434.0, 5664.0, 5353.0, 5406.0, 5718.0, 5336.0, 5598.0, 5412.0, 5622.0, 5669.0, 5382.0, 5505.0, 5340.0, 5557.0, 5304.0, 5394.0, 5470.0, 5453.0, 5697.0, 5614.0, 5525.0, 5321.0, 5483.0, 5674.0, 5374.0, 5520.0, 5515.0, 5402.0, 5548.0, 5343.0, 5373.0, 5459.0, 5511.0, 5298.0, 5306.0, 5621.0, 5705.0, 5647.0, 5451.0 (number of hits: 20)
17	5530.0	9	1.0	333	1	5677.0, 5585.0, 5440.0, 5431.0, 5516.0, 5604.0, 5300.0, 5400.0, 5250.0, 5340.0, 5385.0, 5695.0, 5617.0, 5339.0, 5618.0, 5655.0, 5718.0, 5303.0, 5393.0, 5437.0, 5293.0, 5623.0, 5701.0, 5369.0, 5630.0, 5680.0, 5566.0, 5374.0, 5257.0, 5283.0, 5327.0, 5633.0, 5444.0, 5310.0, 5274.0, 5335.0, 5599.0, 5425.0, 5511.0, 5336.0, 5430.0, 5620.0, 5359.0, 5615.0, 5569.0, 5635.0, 5573.0, 5318.0, 5395.0, 5304.0, 5609.0, 5644.0, 5652.0, 5537.0, 5612.0, 5323.0, 5649.0, 5334.0, 5529.0, 5553.0, 5614.0, 5295.0, 5450.0, 5432.0, 5699.0, 5570.0, 5501.0, 5641.0, 5668.0, 5667.0, 5350.0, 5375.0, 5480.0, 5596.0, 5278.0, 5509.0, 5403.0, 5519.0, 5606.0, 5271.0, 5538.0, 5588.0, 5435.0, 5338.0, 5372.0, 5621.0, 5539.0, 5540.0, 5696.0, 5686.0, 5331.0, 5688.0, 5412.0, 5471.0, 5598.0, 5291.0, 5333.0, 5619.0, 5377.0, 5709.0 (number of hits: 12)
18	5530.0	9	1.0	333	1	5569.0, 5552.0, 5437.0, 5501.0, 5425.0, 5709.0, 5698.0, 5308.0, 5512.0, 5670.0, 5444.0, 5263.0, 5596.0, 5337.0, 5524.0, 5593.0, 5261.0, 5310.0, 5410.0, 5554.0, 5259.0, 5599.0, 5423.0, 5323.0, 5700.0, 5682.0, 5262.0, 5542.0, 5684.0, 5719.0, 5564.0, 5275.0, 5351.0, 5341.0, 5701.0, 5720.0, 5580.0, 5521.0, 5522.0, 5541.0, 5653.0, 5494.0, 5414.0, 5591.0, 5621.0, 5721.0, 5298.0, 5402.0, 5679.0, 5385.0, 5291.0, 5439.0, 5628.0, 5362.0, 5485.0, 5428.0, 5586.0, 5647.0, 5610.0, 5514.0, 5280.0, 5266.0, 5608.0, 5253.0, 5722.0, 5667.0, 5646.0, 5333.0, 5557.0, 5711.0, 5286.0, 5561.0, 5416.0, 5642.0, 5377.0, 5435.0, 5475.0, 5517.0, 5447.0, 5699.0, 5489.0, 5669.0, 5662.0, 5438.0, 5396.0, 5710.0, 5638.0, 5620.0, 5355.0, 5712.0, 5415.0, 5603.0, 5518.0, 5407.0, 5650.0, 5303.0, 5578.0, 5470.0, 5507.0, 5583.0 (number of hits: 17)
19	5530.0	9	1.0	333	1	5330.0, 5593.0, 5708.0, 5487.0, 5541.0, 5259.0, 5515.0, 5350.0, 5338.0, 5467.0, 5527.0, 5497.0, 5300.0, 5680.0, 5580.0, 5585.0, 5370.0, 5431.0, 5500.0, 5488.0, 5468.0, 5523.0, 5451.0, 5357.0, 5484.0, 5392.0, 5617.0, 5464.0, 5462.0, 5277.0, 5540.0, 5454.0,

						5271.0, 5381.0, 5698.0, 5563.0, 5710.0, 5685.0, 5514.0, 5506.0, 5554.0, 5378.0, 5504.0, 5706.0, 5630.0, 5272.0, 5334.0, 5256.0, 5498.0, 5490.0, 5478.0, 5275.0, 5723.0, 5595.0, 5372.0, 5420.0, 5668.0, 5576.0, 5719.0, 5434.0, 5477.0, 5264.0, 5583.0, 5528.0, 5636.0, 5568.0, 5703.0, 5654.0, 5353.0, 5508.0, 5393.0, 5511.0, 5673.0, 5253.0, 5441.0, 5476.0, 5533.0, 5463.0, 5329.0, 5539.0, 5306.0, 5475.0, 5592.0, 5699.0, 5343.0, 5402.0, 5273.0, 5328.0, 5294.0, 5444.0, 5358.0, 5690.0, 5288.0, 5321.0, 5643.0, 5512.0, 5319.0, 5345.0, 5634.0, 5335.0 (number of hits: 19)
20	5530.0	9	1.0	333	1	5520.0, 5711.0, 5312.0, 5553.0, 5703.0, 5568.0, 5370.0, 5467.0, 5525.0, 5686.0, 5376.0, 5666.0, 5579.0, 5318.0, 5295.0, 5609.0, 5263.0, 5685.0, 5300.0, 5454.0, 5406.0, 5602.0, 5381.0, 5708.0, 5622.0, 5424.0, 5714.0, 5587.0, 5552.0, 5538.0, 5448.0, 5305.0, 5299.0, 5651.0, 5341.0, 5427.0, 5653.0, 5313.0, 5372.0, 5275.0, 5468.0, 5308.0, 5428.0, 5306.0, 5501.0, 5674.0, 5508.0, 5506.0, 5460.0, 5660.0, 5524.0, 5556.0, 5327.0, 5404.0, 5526.0, 5331.0, 5380.0, 5488.0, 5273.0, 5301.0, 5576.0, 5391.0, 5672.0, 5511.0, 5343.0, 5522.0, 5266.0, 5534.0, 5614.0, 5681.0, 5293.0, 5377.0, 5415.0, 5691.0, 5289.0, 5626.0, 5270.0, 5272.0, 5583.0, 5435.0, 5283.0, 5643.0, 5555.0, 5687.0, 5689.0, 5476.0, 5479.0, 5702.0, 5617.0, 5288.0, 5645.0, 5440.0, 5340.0, 5464.0, 5382.0, 5390.0, 5352.0, 5619.0, 5451.0, 5652.0 (number of hits: 15)
21	5530.0	9	1.0	333	1	5279.0, 5339.0, 5352.0, 5393.0, 5670.0, 5373.0, 5444.0, 5453.0, 5457.0, 5664.0, 5319.0, 5672.0, 5288.0, 5567.0, 5404.0, 5654.0, 5464.0, 5278.0, 5549.0, 5624.0, 5357.0, 5586.0, 5435.0, 5651.0, 5281.0, 5414.0, 5610.0, 5721.0, 5498.0, 5299.0, 5334.0, 5611.0, 5613.0, 5524.0, 5426.0, 5674.0, 5323.0, 5399.0, 5642.0, 5340.0, 5627.0, 5255.0, 5254.0, 5396.0, 5538.0, 5560.0, 5307.0, 5472.0, 5591.0, 5619.0, 5531.0, 5344.0, 5665.0, 5263.0, 5546.0, 5705.0, 5515.0, 5293.0, 5471.0, 5436.0, 5476.0, 5468.0, 5264.0, 5688.0, 5649.0, 5716.0, 5506.0, 5555.0, 5259.0, 5510.0, 5708.0, 5551.0, 5366.0, 5420.0, 5639.0, 5306.0, 5410.0, 5598.0, 5327.0, 5342.0, 5522.0, 5309.0, 5489.0, 5385.0, 5519.0, 5345.0, 5602.0, 5614.0, 5507.0, 5411.0, 5402.0, 5698.0, 5305.0, 5525.0, 5462.0, 5694.0, 5428.0, 5710.0, 5447.0, 5706.0 (number of hits: 17)
22	5530.0	9	1.0	333	1	5493.0, 5715.0, 5405.0, 5665.0, 5632.0, 5591.0, 5322.0, 5401.0, 5704.0, 5456.0, 5605.0, 5662.0, 5556.0, 5478.0, 5627.0, 5546.0, 5334.0, 5551.0, 5360.0, 5316.0, 5583.0, 5314.0, 5648.0, 5277.0, 5349.0, 5359.0, 5557.0, 5455.0, 5598.0, 5674.0, 5682.0, 5563.0, 5657.0, 5540.0, 5558.0, 5585.0, 5417.0, 5588.0, 5429.0, 5513.0, 5517.0, 5285.0, 5536.0, 5527.0, 5290.0, 5344.0, 5397.0, 5595.0, 5330.0, 5668.0, 5562.0, 5608.0, 5607.0, 5433.0, 5288.0, 5269.0, 5475.0, 5466.0, 5680.0, 5329.0, 5308.0, 5707.0, 5525.0, 5260.0, 5582.0, 5713.0, 5671.0, 5281.0, 5257.0, 5634.0, 5367.0, 5484.0, 5689.0, 5264.0, 5528.0, 5602.0, 5481.0, 5286.0, 5488.0, 5449.0, 5418.0, 5526.0, 5509.0, 5589.0, 5656.0, 5646.0, 5463.0, 5571.0, 5724.0, 5494.0, 5258.0, 5394.0, 5504.0, 5287.0, 5292.0, 5364.0, 5514.0, 5645.0, 5637.0, 5723.0 (number of hits: 20)
23	5530.0	9	1.0	333	1	5576.0, 5298.0, 5317.0, 5299.0, 5563.0, 5395.0, 5660.0, 5382.0, 5543.0, 5551.0, 5436.0, 5710.0, 5328.0, 5277.0, 5454.0, 5253.0, 5391.0, 5722.0, 5484.0, 5469.0, 5566.0, 5262.0, 5539.0, 5377.0, 5647.0, 5533.0, 5679.0, 5689.0, 5519.0, 5375.0, 5658.0, 5592.0, 5701.0, 5688.0, 5642.0, 5474.0, 5643.0, 5416.0, 5456.0, 5587.0, 5674.0, 5663.0, 5296.0, 5503.0, 5309.0, 5535.0, 5615.0, 5657.0, 5487.0, 5320.0, 5716.0, 5499.0, 5434.0, 5458.0, 5466.0, 5589.0, 5705.0, 5521.0, 5396.0, 5440.0, 5327.0, 5695.0, 5525.0, 5667.0, 5512.0, 5268.0, 5655.0, 5549.0, 5362.0, 5700.0, 5614.0, 5263.0, 5294.0, 5425.0, 5652.0, 5453.0, 5556.0, 5438.0, 5351.0, 5316.0, 5347.0, 5386.0, 5482.0, 5325.0, 5471.0, 5282.0, 5544.0, 5704.0, 5692.0, 5367.0, 5554.0, 5372.0, 5477.0, 5270.0, 5478.0, 5300.0, 5472.0, 5489.0, 5597.0, 5326.0 (number of hits: 17)

24	5530.0	9	1.0	333	1	5300.0, 5538.0, 5420.0, 5333.0, 5566.0, 5319.0, 5575.0, 5507.0, 5629.0, 5522.0, 5694.0, 5524.0, 5525.0, 5448.0, 5644.0, 5418.0, 5723.0, 5452.0, 5625.0, 5407.0, 5657.0, 5700.0, 5540.0, 5698.0, 5633.0, 5374.0, 5321.0, 5440.0, 5482.0, 5272.0, 5614.0, 5549.0, 5267.0, 5615.0, 5415.0, 5416.0, 5290.0, 5273.0, 5466.0, 5381.0, 5389.0, 5366.0, 5385.0, 5269.0, 5304.0, 5258.0, 5434.0, 5278.0, 5712.0, 5607.0, 5672.0, 5536.0, 5541.0, 5675.0, 5636.0, 5388.0, 5664.0, 5412.0, 5320.0, 5395.0, 5662.0, 5665.0, 5257.0, 5354.0, 5638.0, 5380.0, 5455.0, 5631.0, 5289.0, 5431.0, 5488.0, 5312.0, 5373.0, 5480.0, 5719.0, 5573.0, 5681.0, 5471.0, 5293.0, 5590.0, 5493.0, 5468.0, 5404.0, 5622.0, 5656.0, 5465.0, 5706.0, 5563.0, 5689.0, 5499.0, 5302.0, 5707.0, 5506.0, 5508.0, 5305.0, 5377.0, 5447.0, 5408.0, 5605.0, 5604.0 (number of hits: 15)
25	5530.0	9	1.0	333	1	5286.0, 5595.0, 5611.0, 5445.0, 5416.0, 5541.0, 5358.0, 5452.0, 5371.0, 5566.0, 5716.0, 5521.0, 5717.0, 5498.0, 5556.0, 5494.0, 5537.0, 5380.0, 5654.0, 5275.0, 5505.0, 5670.0, 5484.0, 5685.0, 5603.0, 5319.0, 5369.0, 5660.0, 5476.0, 5348.0, 5481.0, 5719.0, 5415.0, 5456.0, 5314.0, 5581.0, 5267.0, 5293.0, 5593.0, 5599.0, 5251.0, 5352.0, 5259.0, 5666.0, 5582.0, 5479.0, 5500.0, 5279.0, 5454.0, 5609.0, 5257.0, 5477.0, 5584.0, 5395.0, 5436.0, 5379.0, 5520.0, 5673.0, 5559.0, 5642.0, 5273.0, 5287.0, 5693.0, 5408.0, 5516.0, 5629.0, 5328.0, 5506.0, 5465.0, 5621.0, 5527.0, 5429.0, 5346.0, 5681.0, 5639.0, 5534.0, 5677.0, 5468.0, 5291.0, 5658.0, 5457.0, 5507.0, 5453.0, 5502.0, 5362.0, 5254.0, 5604.0, 5704.0, 5557.0, 5724.0, 5630.0, 5281.0, 5326.0, 5632.0, 5304.0, 5714.0, 5342.0, 5419.0, 5403.0, 5688.0 (number of hits: 18)
26	5530.0	9	1.0	333	1	5618.0, 5314.0, 5320.0, 5421.0, 5601.0, 5466.0, 5415.0, 5371.0, 5536.0, 5599.0, 5582.0, 5702.0, 5337.0, 5323.0, 5591.0, 5375.0, 5630.0, 5593.0, 5676.0, 5443.0, 5358.0, 5638.0, 5492.0, 5519.0, 5525.0, 5551.0, 5406.0, 5718.0, 5260.0, 5684.0, 5617.0, 5671.0, 5402.0, 5401.0, 5662.0, 5254.0, 5637.0, 5710.0, 5703.0, 5428.0, 5629.0, 5627.0, 5707.0, 5656.0, 5344.0, 5369.0, 5444.0, 5669.0, 5677.0, 5296.0, 5639.0, 5588.0, 5460.0, 5592.0, 5580.0, 5332.0, 5307.0, 5511.0, 5546.0, 5545.0, 5649.0, 5631.0, 5283.0, 5542.0, 5657.0, 5499.0, 5571.0, 5619.0, 5361.0, 5432.0, 5531.0, 5691.0, 5478.0, 5427.0, 5681.0, 5494.0, 5252.0, 5636.0, 5462.0, 5251.0, 5409.0, 5441.0, 5315.0, 5584.0, 5717.0, 5422.0, 5673.0, 5471.0, 5451.0, 5403.0, 5607.0, 5353.0, 5537.0, 5343.0, 5495.0, 5489.0, 5390.0, 5605.0, 5634.0, 5517.0 (number of hits: 15)
27	5530.0	9	1.0	333	1	5356.0, 5653.0, 5457.0, 5647.0, 5577.0, 5696.0, 5581.0, 5628.0, 5492.0, 5433.0, 5507.0, 5455.0, 5675.0, 5661.0, 5347.0, 5283.0, 5659.0, 5508.0, 5444.0, 5663.0, 5552.0, 5301.0, 5343.0, 5490.0, 5634.0, 5355.0, 5523.0, 5586.0, 5403.0, 5532.0, 5451.0, 5528.0, 5600.0, 5257.0, 5263.0, 5345.0, 5307.0, 5485.0, 5660.0, 5557.0, 5480.0, 5476.0, 5298.0, 5575.0, 5448.0, 5461.0, 5545.0, 5558.0, 5312.0, 5276.0, 5372.0, 5488.0, 5270.0, 5599.0, 5428.0, 5288.0, 5645.0, 5550.0, 5706.0, 5640.0, 5553.0, 5367.0, 5266.0, 5656.0, 5515.0, 5278.0, 5496.0, 5284.0, 5636.0, 5460.0, 5606.0, 5518.0, 5325.0, 5583.0, 5255.0, 5652.0, 5513.0, 5437.0, 5593.0, 5281.0, 5530.0, 5409.0, 5533.0, 5584.0, 5683.0, 5638.0, 5551.0, 5271.0, 5296.0, 5562.0, 5651.0, 5592.0, 5560.0, 5537.0, 5500.0, 5440.0, 5351.0, 5619.0, 5449.0, 5394.0 (number of hits: 23)
28	5530.0	9	1.0	333	1	5487.0, 5576.0, 5537.0, 5291.0, 5279.0, 5696.0, 5381.0, 5362.0, 5672.0, 5332.0, 5538.0, 5492.0, 5712.0, 5626.0, 5648.0, 5556.0, 5620.0, 5685.0, 5563.0, 5427.0, 5466.0, 5678.0, 5313.0, 5617.0, 5364.0, 5557.0, 5263.0, 5554.0, 5366.0, 5689.0, 5379.0, 5606.0, 5426.0, 5570.0, 5292.0, 5341.0, 5346.0, 5506.0, 5383.0, 5530.0, 5330.0, 5519.0, 5428.0, 5409.0, 5458.0, 5412.0, 5707.0, 5634.0, 5585.0, 5294.0, 5342.0, 5637.0, 5469.0, 5462.0, 5701.0, 5317.0, 5723.0, 5611.0, 5325.0, 5593.0, 5350.0, 5669.0, 5322.0, 5700.0, 5306.0, 5658.0, 5250.0, 5405.0, 5351.0, 5271.0, 5418.0, 5580.0,

						5558.0, 5614.0, 5374.0, 5253.0, 5660.0, 5272.0, 5536.0, 5336.0, 5268.0, 5264.0, 5525.0, 5627.0, 5384.0, 5553.0, 5571.0, 5515.0, 5683.0, 5431.0, 5552.0, 5679.0, 5682.0, 5505.0, 5719.0, 5662.0, 5382.0, 5592.0, 5277.0, 5417.0 (number of hits: 17)
29	5530.0	9	1.0	333	1	5500.0, 5704.0, 5509.0, 5630.0, 5381.0, 5387.0, 5418.0, 5696.0, 5295.0, 5576.0, 5353.0, 5378.0, 5459.0, 5360.0, 5321.0, 5365.0, 5599.0, 5566.0, 5600.0, 5498.0, 5722.0, 5638.0, 5657.0, 5653.0, 5508.0, 5404.0, 5572.0, 5682.0, 5721.0, 5380.0, 5719.0, 5580.0, 5397.0, 5393.0, 5558.0, 5661.0, 5329.0, 5560.0, 5590.0, 5279.0, 5460.0, 5614.0, 5290.0, 5582.0, 5621.0, 5429.0, 5388.0, 5626.0, 5708.0, 5619.0, 5563.0, 5629.0, 5260.0, 5464.0, 5401.0, 5547.0, 5710.0, 5303.0, 5463.0, 5470.0, 5375.0, 5681.0, 5292.0, 5335.0, 5307.0, 5627.0, 5430.0, 5579.0, 5431.0, 5671.0, 5440.0, 5296.0, 5640.0, 5549.0, 5531.0, 5717.0, 5257.0, 5564.0, 5349.0, 5265.0, 5649.0, 5510.0, 5325.0, 5625.0, 5472.0, 5690.0, 5450.0, 5701.0, 5711.0, 5256.0, 5373.0, 5383.0, 5448.0, 5655.0, 5660.0, 5679.0, 5446.0, 5597.0, 5573.0, 5713.0 (number of hits: 13)
30	5530.0	9	1.0	333	1	5292.0, 5406.0, 5536.0, 5534.0, 5662.0, 5537.0, 5366.0, 5501.0, 5580.0, 5717.0, 5617.0, 5646.0, 5513.0, 5607.0, 5457.0, 5443.0, 5637.0, 5388.0, 5439.0, 5548.0, 5317.0, 5362.0, 5598.0, 5519.0, 5508.0, 5554.0, 5440.0, 5260.0, 5416.0, 5319.0, 5507.0, 5283.0, 5454.0, 5494.0, 5425.0, 5552.0, 5295.0, 5442.0, 5427.0, 5487.0, 5489.0, 5316.0, 5300.0, 5663.0, 5574.0, 5293.0, 5681.0, 5510.0, 5693.0, 5538.0, 5386.0, 5395.0, 5435.0, 5602.0, 5529.0, 5595.0, 5585.0, 5698.0, 5453.0, 5270.0, 5257.0, 5498.0, 5564.0, 5711.0, 5632.0, 5692.0, 5658.0, 5543.0, 5563.0, 5491.0, 5616.0, 5271.0, 5338.0, 5259.0, 5448.0, 5429.0, 5376.0, 5280.0, 5409.0, 5312.0, 5412.0, 5514.0, 5609.0, 5621.0, 5451.0, 5593.0, 5505.0, 5472.0, 5528.0, 5716.0, 5551.0, 5297.0, 5330.0, 5256.0, 5500.0, 5273.0, 5403.0, 5301.0, 5287.0, 5704.0 (number of hits: 24)

P2MP Mode
Pine Radio

5570 MHz, 160 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	70 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	85 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

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

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

Table-2 Radar Type 2 Statistical Performance

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

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

Table-3 Radar Type 3 Statistical Performance

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

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

Table-4 Radar Type 4 Statistical Performance

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

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

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5570	1
2	5570	1
3	5570	1
4	5570	1
5	5570	1
6	5570	1
7	5570	1
8	5570	1
9	5570	1
10	5570	1
11	5499.7	1
12	5495.6	1
13	5497.7	1
14	5498.9	1
15	5500.5	1
16	5494.9	1
17	5496.1	1
18	5499.7	1
19	5496.5	1
20	5500.1	1
21	5639.9	1
22	5643.5	1
23	5645.1	1
24	5643.5	1
25	5642.7	1
26	5645.1	1
27	5643.5	1
28	5641.5	1
29	5639.5	1
30	5642.3	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	93.4			0.309259	
1	1	12	80.5			0.643791	
2	2	12	98.0	1316		1.390762	
3	2	12	71.1	1126		2.023606	
4	2	12	59.9	1291		3.011317	
5	2	12	81.1	1516		3.297086	
6	2	12	98.5	1467		3.829604	
7	2	12	77.6	1783		4.607321	
8	3	12	94.5	1638	1228	5.207752	
9	1	12	63.3			6.287359	1
10	2	12	87.2	1953		6.316002	
11	2	12	59.9	1886		6.961821	
12	2	12	53.4	1713		8.048174	
13	1	12	53.0			8.691218	
14	3	12	50.2	1916	1976	9.042024	
15	1	12	72.4			9.871749	
16	1	12	53.9			10.378337	
17	1	12	69.6			11.344794	
18	2	12	62.4	1182		11.818521	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	55.6	1311	1399	0.244556	
1	2	12	78.8	1469		1.021892	
2	1	12	76.8			1.933772	
3	3	12	79.7	1712	1420	2.615912	
4	1	12	70.4			3.458952	
5	2	12	59.7	1235		4.448879	
6	1	12	81.3			5.936021	
7	3	12	55.6	1515	1417	6.116400	1
8	3	12	87.3	1194	1525	7.294348	
9	2	12	64.3	1024		7.902174	
10	3	12	98.0	1045	1922	8.967911	
11	2	12	59.5	1615		9.549545	
12	3	12	68.7	1020	1139	10.388935	
13	2	12	54.6	1477		11.500155	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	79.9	1921	1448	0.392871	1
1	2	14	77.5	1024		0.928622	
2	2	14	84.0	1454		1.697320	
3	2	14	90.8	1769		2.848845	
4	1	14	74.2			3.617752	
5	2	14	98.1	1805		4.114290	
6	2	14	53.3	1989		5.046406	
7	1	14	95.2			5.706881	
8	2	14	92.8	1594		6.310437	
9	3	14	98.4	1260	1625	7.345561	
10	3	14	62.5	1805	1399	8.216374	
11	1	14	92.7			8.636169	
12	2	14	82.1	1496		9.306534	
13	2	14	82.9	1361		10.111735	
14	2	14	79.7	1582		11.041792	
15	2	14	60.0	1354		11.673775	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	89.4	1522	1612	0.250151	1
1	3	14	67.1	1281	1218	0.986503	
2	2	14	91.9	1177		1.961952	
3	1	14	53.5			3.025191	
4	1	14	65.3			3.593918	
5	1	14	61.9			4.848771	
6	1	14	75.0			5.704826	
7	2	14	61.3	1141		6.089513	
8	3	14	71.2	1236	1682	7.391468	
9	3	14	53.1	1078	1801	8.299869	
10	2	14	66.7	1145		9.056693	
11	3	14	77.3	1316	1576	9.630331	
12	1	14	95.1			10.587429	
13	1	14	86.7			11.394894	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	93.2	1406		0.373392	1
1	2	9	68.1	1797		1.041205	
2	3	9	99.2	1561	1845	2.198495	
3	1	9	65.6			2.342660	
4	2	9	71.6	1413		3.612707	
5	2	9	85.9	1554		3.818319	
6	2	9	74.1	1516		4.910570	
7	2	9	72.2	1232		5.484411	
8	1	9	85.2			6.032995	
9	2	9	62.4	1522		6.769175	
10	2	9	75.4	1346		7.831088	
11	3	9	94.0	1418	1168	8.653097	
12	2	9	53.2	1258		9.309901	
13	1	9	81.7			10.413543	
14	3	9	54.7	1222	1590	11.091581	
15	2	9	65.6	1584		11.610500	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	82.2			0.992319	1
1	2	6	85.1	1632		1.784603	
2	2	6	65.6	1589		3.402232	
3	2	6	56.6	1278		4.367663	
4	2	6	79.4	1486		5.014807	
5	1	6	75.2			7.176343	
6	1	6	52.6			8.113762	
7	3	6	81.0	1917	1999	9.358642	
8	2	6	92.7	1451		10.240629	
9	3	6	86.1	1244	1570	11.605458	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	93.5	1353		0.033728	
1	2	7	65.5	1938		1.095629	
2	3	7	78.0	1845	1155	2.106789	
3	1	7	69.9			3.544570	
4	3	7	97.0	1121	1762	3.819775	
5	2	7	96.7	1717		4.981051	
6	1	7	72.0			5.792614	1
7	1	7	65.8			6.775835	
8	2	7	91.1	1129		8.094002	
9	3	7	88.2	1522	1706	8.771822	
10	1	7	50.9			9.258085	
11	1	7	61.6			11.007373	
12	2	7	96.5	1128		11.446370	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	64.7			0.710238	
1	3	12	65.3	1889	1701	1.962213	
2	2	12	88.5	1188		3.671330	
3	2	12	66.8	1902		5.310780	
4	3	12	76.9	1577	1583	5.767746	1
5	2	12	84.1	1103		7.831263	
6	2	12	70.4	1378		9.008946	
7	3	12	62.8	1554	1374	10.172634	
8	2	12	88.3	1959		11.780099	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	52.8			0.026502	1
1	1	6	93.8			1.615482	
2	2	6	59.5	1764		2.896488	
3	2	6	85.8	1867		3.969551	
4	3	6	76.5	1536	1260	4.875722	
5	3	6	96.8	1010	1639	6.424861	
6	2	6	91.8	1828		6.753175	
7	1	6	62.5			7.731760	
8	2	6	59.7	1385		8.987699	
9	1	6	59.0			9.922353	
10	3	6	59.6	1866	1524	11.429544	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	61.0	1497		0.571986	1
1	2	6	79.4	1361		1.168804	
2	3	6	62.0	1084	1991	1.259929	
3	2	6	52.9	1777		1.818946	
4	2	6	77.9	1816		2.593110	
5	1	6	52.7			3.273481	
6	3	6	88.6	1481	1614	3.854618	
7	2	6	95.4	1139		4.555255	
8	3	6	73.1	1673	1242	5.128917	
9	3	6	65.1	1635	1178	5.923124	
10	2	6	53.7	1864		6.411125	
11	2	6	68.5	1769		7.001119	
12	1	6	74.3			7.520740	
13	2	6	69.1	1049		8.083159	
14	2	6	74.3	1359		8.568314	
15	2	6	60.7	1618		9.275767	
16	2	6	61.8	1322		10.044853	
17	2	6	78.6	1483		10.765349	
18	3	6	75.6	1588	1160	11.067002	
19	3	6	63.6	1040	1954	11.620789	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	71.9	1230		0.374071	1
1	1	18	57.0			1.161648	
2	1	18	87.2			1.947165	
3	2	18	68.6	1888		2.252264	
4	3	18	66.1	1701	1409	2.961982	
5	2	18	61.7	1876		3.587599	
6	3	18	89.5	1240	1206	4.033442	
7	2	18	58.1	1482		5.274903	
8	3	18	59.5	1291	1227	5.610554	
9	2	18	87.1	1060		6.652415	
10	2	18	95.0	1204		7.182719	
11	2	18	94.2	1671		7.731028	
12	3	18	73.6	1256	1185	8.042213	
13	1	18	50.4			9.269301	
14	2	18	69.8	1845		9.727489	
15	2	18	50.6	1043		10.121073	
16	2	18	73.3	1660		10.806422	
17	2	18	72.1	1132		11.496044	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	56.8	1504		0.289280	1
1	2	8	91.6	1419		0.706113	
2	2	8	51.0	1527		1.979282	
3	2	8	78.4	1774		2.723610	
4	3	8	67.3	1047	1390	3.218650	
5	2	8	58.9	1285		4.012042	
6	2	8	56.5	1129		4.241248	
7	3	8	52.9	1124	1676	5.016609	
8	2	8	73.0	1310		5.678167	
9	2	8	81.9	1658		6.415432	
10	2	8	97.6	1407		7.457589	
11	3	8	58.1	1485	1300	8.322020	
12	2	8	61.9	1293		9.037448	
13	2	8	98.8	1436		9.280824	
14	2	8	62.9	1985		9.886420	
15	1	8	92.6			10.599280	
16	2	8	83.6	1630		11.370468	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	98.9	1324		0.828515	1
1	2	13	68.5	1652		1.976751	
2	2	13	64.5	1642		2.650007	
3	2	13	99.1	1712		3.824622	
4	1	13	86.8			4.951280	
5	3	13	99.1	1442	1488	7.112300	
6	3	13	56.0	1217	1691	7.420159	
7	1	13	75.4			9.197789	
8	2	13	54.8	1799		10.531765	
9	3	13	74.9	1481	1150	11.427966	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	51.0			0.316676	1
1	3	16	64.6	1754	1889	1.101588	
2	2	16	82.2	1090		1.658316	
3	1	16	81.2			2.460365	
4	2	16	95.9	1276		3.207131	
5	2	16	75.3	1426		3.921430	
6	1	16	92.1			4.099201	
7	1	16	71.1			4.893692	
8	3	16	85.5	1722	1411	5.397902	
9	3	16	76.9	1057	1010	6.037558	
10	1	16	70.4			7.143041	
11	3	16	62.3	1657	1483	7.654401	
12	3	16	76.7	1118	1628	8.072543	
13	2	16	77.7	1649		8.899038	
14	1	16	91.3			9.404677	
15	3	16	69.1	1532	1127	10.409581	
16	3	16	59.9	1179	1575	10.768282	
17	2	16	69.4	1118		11.472741	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	55.5			0.130581	
1	2	20	94.8	1736		1.768170	
2	1	20	84.6			1.926527	
3	1	20	83.6			3.283869	
4	2	20	76.5	1710		4.557005	
5	2	20	65.7	1821		5.095137	
6	1	20	89.6			6.458500	1
7	3	20	66.1	1011	1898	6.867002	
8	1	20	74.9			7.573624	
9	1	20	98.1			8.448030	
10	2	20	85.5	1914		9.679451	
11	2	20	58.8	1046		10.736752	
12	3	20	78.9	1700	1269	11.164912	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	95.8	1765		0.748155	
1	3	6	65.1	1366	1572	2.611568	
2	2	6	94.7	1327		2.804636	
3	1	6	79.8			4.892315	
4	3	6	66.3	1378	1036	6.410565	1
5	2	6	92.3	1337		7.221653	
6	3	6	57.7	1016	1332	8.265142	
7	2	6	57.4	1185		10.605001	
8	1	6	82.8			11.990599	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	69.7			1.088864	1
1	2	9	63.6	1758		2.495941	
2	3	9	90.6	1210	1366	3.991159	
3	3	9	98.1	1301	1698	5.439620	
4	2	9	86.0	1238		6.446936	
5	1	9	86.9			7.547140	
6	2	9	90.5	1766		10.330927	
7	3	9	90.3	1850	1108	10.946256	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	70.1	1526	1186	0.335047	1
1	2	18	85.3	1750		0.957411	
2	2	18	51.7	1408		2.589440	
3	2	18	68.0	1515		3.679394	
4	2	18	92.6	1297		3.693760	
5	1	18	79.2			5.389549	
6	2	18	63.1	1446		6.207657	
7	1	18	61.2			6.515186	
8	2	18	98.0	1349		7.399444	
9	2	18	81.9	1991		8.427727	
10	3	18	86.5	1520	1920	9.363482	
11	2	18	75.3	1844		10.671642	
12	2	18	71.0	1694		11.489141	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	53.5	1987		0.916907	
1	1	10	84.0			1.122217	
2	2	10	82.4	1951		2.461650	
3	2	10	67.2	1712		3.666021	
4	3	10	61.6	1167	1160	3.942762	
5	2	10	53.9	1660		5.456419	
6	2	10	84.2	1306		5.604377	1
7	3	10	88.3	1649	1679	6.812980	
8	2	10	97.2	1219		8.135075	
9	3	10	85.7	1375	1710	8.536653	
10	1	10	65.4			9.847939	
11	1	10	79.8			10.621384	
12	2	10	95.3	1664		11.459682	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	98.9	1744	1482	0.518338	
1	2	19	73.5	1936		1.134597	
2	3	19	82.6	1419	1079	1.601628	
3	3	19	61.5	1020	1925	2.642150	
4	3	19	91.0	1011	1618	3.288339	
5	3	19	94.8	1382	1570	3.523749	
6	2	19	68.6	1920		4.403598	
7	1	19	54.9			4.925600	
8	3	19	77.3	1218	1634	5.987908	
9	2	19	50.8	1045		6.140685	1
10	1	19	89.5			7.244349	
11	3	19	90.4	1732	1522	7.772039	
12	2	19	78.2	1262		8.537240	
13	2	19	83.6	1991		8.991858	
14	2	19	94.4	1744		9.722266	
15	3	19	98.9	1570	1715	10.249873	
16	2	19	94.8	1614		11.034697	
17	3	19	51.0	1465	1403	11.594876	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	50.8	1572		0.353943	
1	3	19	64.1	1316	1180	1.278719	
2	2	19	87.2	1201		2.918280	
3	2	19	51.7	1469		3.499129	
4	3	19	80.6	1790	1018	4.738386	
5	2	19	60.6	1155		6.227196	1
6	3	19	53.8	1197	1988	7.037921	
7	2	19	50.4	1689		8.058485	
8	3	19	85.0	1007	1664	9.516333	
9	2	19	73.3	1739		10.740633	
10	1	19	58.2			11.256150	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	51.7	1031		0.075667	
1	3	10	69.3	1807	1586	1.503907	
2	1	10	96.4			2.083752	
3	2	10	90.9	1969		3.136883	
4	2	10	54.8	1487		3.341390	
5	3	10	61.8	1306	1463	4.318480	
6	3	10	72.8	1487	1064	5.251144	
7	3	10	96.3	1637	1525	6.208037	1
8	2	10	66.6	1152		6.436371	
9	1	10	95.0			7.730635	
10	3	10	99.1	1643	1131	8.384233	
11	2	10	59.3	1751		9.534727	
12	3	10	89.0	1919	1327	9.691160	
13	1	10	82.3			10.684644	
14	2	10	86.5	1236		11.369102	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	69.1			0.845489	1
1	2	6	65.6	1697		1.671809	
2	3	6	59.9	1121	1630	1.848117	
3	2	6	68.1	1390		3.103203	
4	3	6	86.6	1873	1337	3.566657	
5	2	6	56.5	1749		4.828768	
6	2	6	78.2	1588		5.925363	
7	2	6	74.9	1515		6.818867	
8	1	6	93.0			7.457533	
9	2	6	78.8	1865		7.947905	
10	2	6	73.1	1692		9.158709	
11	1	6	87.2			9.514911	
12	1	6	77.7			11.132145	
13	2	6	81.3	1088		11.172943	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	57.0			0.155903	1
1	1	10	75.9			1.143481	
2	1	10	74.6			2.388963	
3	3	10	78.2	1530	1016	2.783211	
4	3	10	77.8	1479	1927	3.630285	
5	2	10	69.1	1938		4.985451	
6	2	10	53.9	1828		5.693913	
7	2	10	59.6	1077		6.660540	
8	2	10	82.4	1622		7.528577	
9	2	10	80.7	1040		8.016722	
10	3	10	82.2	1938	1861	9.243608	
11	1	10	84.3			10.219078	
12	2	10	59.8	1115		10.551730	
13	3	10	73.3	1185	1349	11.192160	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	84.0			0.002568	1
1	1	12	96.3			0.995706	
2	1	12	62.2			2.279148	
3	2	12	82.6	1417		3.085118	
4	1	12	53.7			3.332045	
5	2	12	85.5	1385		4.265177	
6	1	12	51.2			5.364556	
7	2	12	83.6	1770		5.896622	
8	2	12	63.7	1599		6.525661	
9	1	12	70.0			7.667183	
10	1	12	54.0			8.488616	
11	2	12	81.4	1913		8.922131	
12	2	12	50.4	1423		9.624839	
13	2	12	68.7	1600		10.452503	
14	1	12	51.9			11.717434	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	85.4	1897		0.524565	
1	1	6	82.8			0.941786	
2	2	6	72.5	1547		1.635830	
3	2	6	87.3	1277		2.991564	
4	2	6	97.8	1734		3.715298	
5	3	6	61.6	1555	1047	4.145752	
6	2	6	65.9	1957		4.911852	
7	2	6	81.5	1820		6.087828	1
8	2	6	92.8	1840		6.647696	
9	2	6	86.7	1759		7.298625	
10	2	6	83.4	1343		8.560870	
11	1	6	73.3			8.933749	
12	3	6	99.0	1444	1527	9.849589	
13	2	6	77.6	1823		11.112492	
14	3	6	89.5	1903	1574	11.624967	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	59.5	1479		0.288302	
1	1	10	72.3			0.918992	
2	1	10	60.6			1.856518	
3	2	10	82.7	1628		2.671270	
4	1	10	85.2			3.629506	
5	2	10	51.9	1087		4.068414	
6	2	10	58.2	1672		4.934112	
7	2	10	74.4	1462		5.425593	
8	2	10	99.5	1632		6.433248	1
9	3	10	68.8	1527	1177	7.080080	
10	2	10	68.9	1376		8.088003	
11	2	10	78.2	1033		8.539020	
12	2	10	66.0	1300		9.707593	
13	2	10	55.8	1257		9.819420	
14	3	10	72.9	1169	1256	11.215621	
15	2	10	90.1	1817		11.779731	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	78.0			0.449465	
1	3	15	57.3	1588	1834	1.231665	
2	3	15	72.1	1571	1841	1.829707	
3	2	15	96.0	1929		1.901103	
4	2	15	78.5	1919		2.839383	
5	2	15	92.1	1404		3.650878	
6	2	15	64.2	1326		3.851801	
7	2	15	51.2	1681		4.842431	
8	3	15	54.9	1217	1421	5.367724	
9	3	15	99.9	1956	1549	6.279705	1
10	1	15	93.7			6.659354	
11	3	15	64.8	1267	1092	7.426730	
12	3	15	81.5	1758	1863	8.123092	
13	3	15	81.2	1517	1341	8.655159	
14	3	15	82.0	1144	1161	9.174898	
15	1	15	59.6			9.585988	
16	2	15	84.1	1701		10.384301	
17	2	15	73.9	1803		10.910530	
18	2	15	91.4	1743		11.811882	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	93.8			0.069615	
1	2	20	82.5	1671		0.796813	
2	1	20	54.7			1.901332	
3	3	20	52.5	1762	1894	2.153214	
4	2	20	70.2	1172		2.878045	
5	3	20	61.9	1026	1188	4.173638	
6	2	20	98.4	1266		4.350261	
7	2	20	55.9	1099		5.599686	
8	3	20	82.1	1885	1626	5.868212	1
9	3	20	69.0	1484	1729	6.766094	
10	2	20	66.3	1576		7.189526	
11	3	20	57.0	1000	1751	7.787606	
12	2	20	53.3	1558		8.918773	
13	2	20	86.3	1501		9.547770	
14	2	20	85.3	1707		10.464566	
15	2	20	90.6	1937		11.145001	
16	1	20	82.1			11.388913	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	96.3	1684		0.306069	
1	1	13	58.1			1.187726	
2	1	13	60.8			1.788312	
3	2	13	83.5	1514		2.650044	
4	1	13	68.5			3.123096	
5	2	13	54.7	1608		3.823686	
6	3	13	54.5	1806	1500	4.506894	
7	3	13	53.8	1314	1663	5.068536	
8	2	13	53.5	1220		5.683488	1
9	2	13	77.4	1036		7.022146	
10	2	13	75.9	1595		7.493932	
11	3	13	68.2	1248	1877	7.809970	
12	1	13	53.1			8.657559	
13	3	13	75.9	1831	1874	9.866791	
14	2	13	64.0	1553		9.884746	
15	2	13	97.8	1793		10.707698	
16	2	13	87.5	1949		11.574316	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5570.0	9	1.0	333	1	5309.0, 5295.0, 5573.0, 5429.0, 5339.0, 5303.0, 5576.0, 5485.0, 5317.0, 5357.0, 5679.0, 5637.0, 5341.0, 5666.0, 5565.0, 5412.0, 5458.0, 5378.0, 5522.0, 5523.0, 5280.0, 5277.0, 5441.0, 5299.0, 5465.0, 5577.0, 5639.0, 5304.0, 5589.0, 5396.0, 5605.0, 5623.0, 5455.0, 5367.0, 5695.0, 5602.0, 5686.0, 5420.0, 5340.0, 5445.0, 5640.0, 5652.0, 5453.0, 5260.0, 5305.0, 5616.0, 5461.0, 5553.0, 5703.0, 5435.0, 5561.0, 5504.0, 5645.0, 5391.0, 5417.0, 5274.0, 5598.0, 5475.0, 5588.0, 5496.0, 5369.0, 5471.0, 5425.0, 5330.0, 5258.0, 5492.0, 5376.0, 5656.0, 5255.0, 5493.0, 5331.0, 5257.0, 5343.0, 5373.0, 5434.0, 5544.0, 5704.0, 5399.0, 5659.0, 5533.0, 5619.0, 5538.0, 5648.0, 5702.0, 5634.0, 5649.0, 5287.0, 5421.0, 5436.0, 5564.0, 5448.0, 5384.0, 5521.0, 5254.0, 5402.0, 5261.0, 5526.0, 5610.0, 5674.0, 5470.0 (number of hits: 32)
2	5570.0	9	1.0	333	1	5478.0, 5363.0, 5604.0, 5622.0, 5308.0, 5351.0, 5337.0, 5408.0, 5624.0, 5681.0, 5667.0, 5642.0, 5715.0, 5462.0, 5608.0, 5668.0, 5585.0, 5566.0, 5699.0, 5528.0, 5452.0, 5641.0, 5556.0, 5300.0, 5601.0, 5288.0, 5635.0, 5682.0, 5358.0, 5672.0, 5332.0, 5442.0, 5419.0, 5312.0, 5355.0, 5360.0, 5552.0, 5650.0, 5716.0, 5690.0, 5512.0, 5590.0, 5617.0, 5475.0, 5330.0, 5646.0, 5286.0, 5678.0, 5704.0, 5429.0, 5293.0, 5496.0, 5514.0, 5311.0, 5687.0, 5533.0, 5348.0, 5492.0, 5724.0, 5661.0, 5593.0, 5272.0, 5626.0, 5315.0, 5422.0, 5530.0, 5676.0, 5409.0, 5609.0, 5411.0, 5474.0, 5297.0, 5359.0, 5558.0, 5665.0, 5559.0, 5364.0, 5324.0, 5357.0, 5511.0, 5693.0, 5628.0, 5603.0, 5261.0, 5505.0, 5596.0, 5460.0, 5550.0, 5392.0, 5256.0, 5574.0, 5388.0, 5560.0, 5275.0, 5660.0, 5688.0, 5340.0, 5381.0, 5710.0, 5444.0 (number of hits: 35)
3	5570.0	9	1.0	333	1	5474.0, 5264.0, 5553.0, 5302.0, 5450.0, 5437.0, 5608.0, 5711.0, 5596.0, 5465.0, 5427.0, 5528.0, 5565.0, 5344.0, 5272.0, 5298.0, 5704.0, 5351.0, 5317.0, 5534.0, 5533.0, 5506.0, 5564.0, 5710.0, 5436.0, 5602.0, 5430.0, 5675.0, 5408.0, 5432.0, 5584.0, 5691.0, 5570.0, 5598.0, 5705.0, 5358.0, 5557.0, 5719.0, 5444.0, 5311.0, 5373.0, 5260.0, 5665.0, 5394.0, 5300.0, 5510.0, 5446.0, 5488.0, 5352.0, 5611.0, 5252.0, 5634.0, 5422.0, 5338.0, 5540.0, 5494.0, 5255.0, 5657.0, 5479.0, 5538.0, 5491.0, 5610.0, 5627.0, 5541.0, 5315.0, 5500.0, 5575.0, 5314.0, 5441.0, 5496.0, 5651.0, 5595.0, 5483.0, 5402.0, 5419.0, 5543.0, 5504.0, 5713.0, 5529.0, 5377.0, 5629.0, 5684.0, 5654.0, 5646.0, 5435.0, 5365.0, 5266.0, 5562.0, 5364.0, 5285.0, 5251.0, 5420.0, 5485.0, 5619.0, 5464.0, 5658.0, 5544.0, 5353.0, 5319.0, 5661.0 (number of hits: 35)
4	5570.0	9	1.0	333	1	5434.0, 5536.0, 5577.0, 5250.0, 5301.0, 5352.0, 5288.0, 5627.0, 5635.0, 5346.0, 5581.0, 5534.0, 5364.0, 5318.0, 5639.0, 5678.0, 5698.0, 5430.0, 5626.0, 5481.0, 5668.0, 5367.0, 5411.0, 5303.0, 5388.0, 5491.0, 5347.0, 5260.0, 5273.0, 5372.0, 5474.0, 5629.0, 5554.0, 5368.0, 5416.0, 5592.0, 5385.0, 5392.0, 5547.0, 5542.0, 5647.0, 5375.0, 5399.0, 5374.0, 5632.0, 5611.0, 5584.0, 5343.0, 5702.0, 5373.0, 5457.0, 5332.0, 5335.0, 5633.0, 5324.0, 5345.0, 5425.0, 5283.0, 5465.0, 5712.0, 5558.0, 5484.0, 5290.0, 5279.0, 5572.0, 5444.0, 5692.0, 5699.0, 5322.0, 5265.0, 5706.0, 5622.0, 5710.0, 5357.0, 5634.0, 5446.0, 5694.0, 5522.0, 5304.0, 5307.0, 5682.0, 5532.0, 5370.0, 5539.0, 5339.0, 5503.0, 5615.0, 5513.0, 5320.0, 5548.0, 5445.0, 5330.0, 5458.0, 5404.0, 5355.0, 5595.0, 5417.0, 5674.0, 5502.0, 5501.0 (number of hits: 32)
5	5570.0	9	1.0	333	1	5600.0, 5659.0, 5620.0, 5339.0, 5553.0, 5358.0, 5603.0, 5695.0, 5253.0, 5490.0, 5650.0, 5297.0, 5286.0, 5482.0, 5555.0, 5686.0, 5364.0, 5301.0, 5595.0, 5548.0, 5380.0, 5713.0, 5429.0, 5607.0,

						5431.0, 5661.0, 5421.0, 5682.0, 5455.0, 5319.0, 5315.0, 5479.0, 5578.0, 5407.0, 5414.0, 5606.0, 5347.0, 5598.0, 5569.0, 5642.0, 5590.0, 5469.0, 5467.0, 5276.0, 5635.0, 5305.0, 5439.0, 5484.0, 5559.0, 5663.0, 5546.0, 5337.0, 5373.0, 5612.0, 5476.0, 5550.0, 5449.0, 5534.0, 5445.0, 5678.0, 5696.0, 5282.0, 5417.0, 5632.0, 5322.0, 5644.0, 5530.0, 5684.0, 5277.0, 5354.0, 5654.0, 5551.0, 5446.0, 5567.0, 5649.0, 5328.0, 5516.0, 5419.0, 5330.0, 5266.0, 5348.0, 5584.0, 5269.0, 5640.0, 5549.0, 5464.0, 5597.0, 5515.0, 5344.0, 5474.0, 5470.0, 5402.0, 5262.0, 5715.0, 5604.0, 5643.0, 5325.0, 5493.0, 5601.0, 5353.0 (number of hits: 35)
6	5570.0	9	1.0	333	1	5584.0, 5379.0, 5573.0, 5365.0, 5446.0, 5424.0, 5675.0, 5564.0, 5625.0, 5367.0, 5458.0, 5555.0, 5445.0, 5442.0, 5278.0, 5660.0, 5353.0, 5495.0, 5273.0, 5606.0, 5529.0, 5549.0, 5579.0, 5309.0, 5284.0, 5699.0, 5561.0, 5395.0, 5488.0, 5517.0, 5292.0, 5465.0, 5676.0, 5476.0, 5530.0, 5457.0, 5449.0, 5376.0, 5412.0, 5317.0, 5269.0, 5673.0, 5327.0, 5657.0, 5649.0, 5252.0, 5417.0, 5400.0, 5690.0, 5552.0, 5342.0, 5722.0, 5577.0, 5510.0, 5277.0, 5360.0, 5585.0, 5572.0, 5275.0, 5701.0, 5483.0, 5710.0, 5408.0, 5636.0, 5462.0, 5566.0, 5491.0, 5617.0, 5303.0, 5578.0, 5612.0, 5384.0, 5677.0, 5266.0, 5545.0, 5550.0, 5466.0, 5256.0, 5719.0, 5345.0, 5383.0, 5307.0, 5475.0, 5547.0, 5263.0, 5333.0, 5598.0, 5392.0, 5373.0, 5487.0, 5626.0, 5707.0, 5352.0, 5508.0, 5358.0, 5439.0, 5498.0, 5324.0, 5285.0, 5592.0 (number of hits: 31)
7	5570.0	9	1.0	333	1	5438.0, 5454.0, 5377.0, 5393.0, 5538.0, 5463.0, 5442.0, 5444.0, 5568.0, 5391.0, 5714.0, 5506.0, 5645.0, 5343.0, 5487.0, 5718.0, 5598.0, 5692.0, 5508.0, 5256.0, 5359.0, 5383.0, 5264.0, 5649.0, 5707.0, 5336.0, 5583.0, 5329.0, 5659.0, 5600.0, 5700.0, 5277.0, 5513.0, 5471.0, 5581.0, 5341.0, 5577.0, 5460.0, 5546.0, 5325.0, 5475.0, 5347.0, 5587.0, 5510.0, 5353.0, 5335.0, 5625.0, 5498.0, 5293.0, 5618.0, 5605.0, 5687.0, 5452.0, 5555.0, 5679.0, 5251.0, 5406.0, 5303.0, 5399.0, 5287.0, 5260.0, 5654.0, 5479.0, 5512.0, 5312.0, 5432.0, 5532.0, 5402.0, 5374.0, 5450.0, 5548.0, 5483.0, 5533.0, 5665.0, 5427.0, 5437.0, 5348.0, 5405.0, 5647.0, 5702.0, 5362.0, 5594.0, 5611.0, 5382.0, 5717.0, 5509.0, 5411.0, 5662.0, 5412.0, 5666.0, 5619.0, 5588.0, 5457.0, 5311.0, 5682.0, 5282.0, 5697.0, 5570.0, 5342.0, 5349.0 (number of hits: 30)
8	5570.0	9	1.0	333	1	5686.0, 5468.0, 5642.0, 5651.0, 5419.0, 5389.0, 5702.0, 5491.0, 5684.0, 5463.0, 5363.0, 5374.0, 5251.0, 5616.0, 5541.0, 5505.0, 5364.0, 5555.0, 5604.0, 5598.0, 5535.0, 5318.0, 5323.0, 5563.0, 5581.0, 5647.0, 5307.0, 5527.0, 5453.0, 5595.0, 5261.0, 5596.0, 5299.0, 5489.0, 5268.0, 5667.0, 5432.0, 5460.0, 5308.0, 5413.0, 5478.0, 5321.0, 5473.0, 5346.0, 5341.0, 5504.0, 5570.0, 5609.0, 5289.0, 5339.0, 5358.0, 5265.0, 5575.0, 5687.0, 5486.0, 5254.0, 5375.0, 5590.0, 5551.0, 5614.0, 5605.0, 5477.0, 5367.0, 5365.0, 5602.0, 5487.0, 5669.0, 5521.0, 5287.0, 5467.0, 5462.0, 5718.0, 5470.0, 5661.0, 5655.0, 5386.0, 5285.0, 5408.0, 5315.0, 5704.0, 5426.0, 5480.0, 5534.0, 5696.0, 5334.0, 5716.0, 5333.0, 5400.0, 5625.0, 5526.0, 5465.0, 5253.0, 5649.0, 5260.0, 5337.0, 5471.0, 5327.0, 5685.0, 5522.0, 5530.0 (number of hits: 29)
9	5570.0	9	1.0	333	1	5453.0, 5680.0, 5450.0, 5407.0, 5468.0, 5291.0, 5621.0, 5588.0, 5528.0, 5657.0, 5713.0, 5435.0, 5369.0, 5449.0, 5551.0, 5451.0, 5616.0, 5575.0, 5693.0, 5360.0, 5440.0, 5371.0, 5579.0, 5441.0, 5438.0, 5443.0, 5470.0, 5633.0, 5723.0, 5560.0, 5389.0, 5566.0, 5340.0, 5326.0, 5320.0, 5565.0, 5491.0, 5353.0, 5293.0, 5456.0, 5564.0, 5329.0, 5316.0, 5356.0, 5414.0, 5261.0, 5480.0, 5682.0, 5359.0, 5328.0, 5285.0, 5659.0, 5350.0, 5398.0, 5650.0, 5702.0, 5263.0, 5711.0, 5274.0, 5720.0, 5377.0, 5399.0, 5646.0, 5478.0, 5554.0, 5409.0, 5517.0, 5562.0, 5561.0, 5691.0, 5397.0, 5342.0, 5460.0, 5655.0, 5321.0, 5500.0, 5254.0, 5277.0, 5433.0, 5390.0, 5335.0, 5413.0, 5298.0, 5596.0, 5346.0, 5615.0, 5458.0, 5423.0, 5466.0, 5447.0, 5651.0, 5405.0, 5253.0, 5477.0, 5385.0, 5467.0,

						5529.0, 5635.0, 5379.0, 5719.0 (number of hits: 22)
10	5570.0	9	1.0	333	1	5641.0, 5414.0, 5324.0, 5351.0, 5617.0, 5587.0, 5537.0, 5299.0, 5288.0, 5482.0, 5579.0, 5544.0, 5479.0, 5290.0, 5283.0, 5567.0, 5393.0, 5274.0, 5347.0, 5601.0, 5426.0, 5406.0, 5376.0, 5631.0, 5356.0, 5663.0, 5483.0, 5519.0, 5253.0, 5455.0, 5254.0, 5435.0, 5531.0, 5430.0, 5625.0, 5613.0, 5559.0, 5319.0, 5346.0, 5677.0, 5307.0, 5557.0, 5654.0, 5285.0, 5723.0, 5269.0, 5649.0, 5443.0, 5681.0, 5505.0, 5374.0, 5358.0, 5697.0, 5573.0, 5390.0, 5308.0, 5602.0, 5251.0, 5304.0, 5411.0, 5640.0, 5666.0, 5612.0, 5284.0, 5565.0, 5480.0, 5454.0, 5632.0, 5256.0, 5423.0, 5614.0, 5450.0, 5610.0, 5582.0, 5446.0, 5311.0, 5456.0, 5360.0, 5397.0, 5314.0, 5556.0, 5676.0, 5552.0, 5345.0, 5424.0, 5417.0, 5488.0, 5440.0, 5702.0, 5442.0, 5453.0, 5365.0, 5377.0, 5420.0, 5673.0, 5540.0, 5400.0, 5586.0, 5561.0, 5510.0 (number of hits: 31)
11	5570.0	9	1.0	333	1	5623.0, 5624.0, 5663.0, 5717.0, 5265.0, 5617.0, 5313.0, 5579.0, 5576.0, 5651.0, 5344.0, 5356.0, 5391.0, 5445.0, 5525.0, 5330.0, 5329.0, 5700.0, 5420.0, 5479.0, 5278.0, 5368.0, 5320.0, 5708.0, 5394.0, 5522.0, 5357.0, 5410.0, 5716.0, 5688.0, 5690.0, 5544.0, 5458.0, 5260.0, 5323.0, 5514.0, 5571.0, 5298.0, 5468.0, 5654.0, 5495.0, 5462.0, 5501.0, 5518.0, 5422.0, 5666.0, 5367.0, 5686.0, 5416.0, 5343.0, 5721.0, 5562.0, 5629.0, 5303.0, 5551.0, 5505.0, 5615.0, 5572.0, 5667.0, 5427.0, 5543.0, 5653.0, 5358.0, 5447.0, 5724.0, 5397.0, 5341.0, 5503.0, 5695.0, 5327.0, 5316.0, 5707.0, 5491.0, 5632.0, 5465.0, 5497.0, 5643.0, 5662.0, 5459.0, 5306.0, 5460.0, 5575.0, 5448.0, 5464.0, 5709.0, 5308.0, 5470.0, 5487.0, 5704.0, 5658.0, 5393.0, 5523.0, 5710.0, 5659.0, 5592.0, 5496.0, 5715.0, 5411.0, 5377.0, 5353.0 (number of hits: 28)
12	5570.0	9	1.0	333	1	5279.0, 5296.0, 5309.0, 5352.0, 5335.0, 5423.0, 5526.0, 5495.0, 5716.0, 5556.0, 5330.0, 5334.0, 5702.0, 5355.0, 5645.0, 5541.0, 5293.0, 5684.0, 5331.0, 5539.0, 5410.0, 5418.0, 5443.0, 5591.0, 5387.0, 5422.0, 5612.0, 5292.0, 5651.0, 5518.0, 5711.0, 5479.0, 5535.0, 5473.0, 5442.0, 5394.0, 5609.0, 5588.0, 5670.0, 5399.0, 5650.0, 5446.0, 5637.0, 5305.0, 5368.0, 5629.0, 5347.0, 5457.0, 5353.0, 5434.0, 5529.0, 5613.0, 5414.0, 5663.0, 5252.0, 5274.0, 5356.0, 5374.0, 5477.0, 5649.0, 5688.0, 5280.0, 5523.0, 5295.0, 5426.0, 5708.0, 5365.0, 5579.0, 5503.0, 5648.0, 5611.0, 5346.0, 5359.0, 5484.0, 5348.0, 5470.0, 5284.0, 5524.0, 5615.0, 5316.0, 5411.0, 5572.0, 5520.0, 5378.0, 5561.0, 5338.0, 5444.0, 5291.0, 5549.0, 5553.0, 5460.0, 5565.0, 5706.0, 5672.0, 5638.0, 5656.0, 5644.0, 5596.0, 5678.0, 5382.0 (number of hits: 31)
13	5570.0	9	1.0	333	1	5596.0, 5428.0, 5535.0, 5568.0, 5677.0, 5406.0, 5706.0, 5672.0, 5360.0, 5386.0, 5534.0, 5617.0, 5318.0, 5404.0, 5290.0, 5631.0, 5583.0, 5697.0, 5529.0, 5257.0, 5662.0, 5610.0, 5516.0, 5305.0, 5618.0, 5327.0, 5715.0, 5312.0, 5651.0, 5666.0, 5556.0, 5260.0, 5579.0, 5254.0, 5591.0, 5613.0, 5562.0, 5326.0, 5475.0, 5415.0, 5720.0, 5536.0, 5443.0, 5679.0, 5473.0, 5321.0, 5430.0, 5416.0, 5566.0, 5696.0, 5695.0, 5673.0, 5393.0, 5541.0, 5389.0, 5263.0, 5288.0, 5391.0, 5668.0, 5652.0, 5338.0, 5488.0, 5633.0, 5352.0, 5703.0, 5676.0, 5298.0, 5626.0, 5553.0, 5622.0, 5722.0, 5670.0, 5530.0, 5656.0, 5615.0, 5689.0, 5429.0, 5452.0, 5614.0, 5558.0, 5385.0, 5580.0, 5390.0, 5510.0, 5630.0, 5356.0, 5368.0, 5405.0, 5266.0, 5273.0, 5547.0, 5578.0, 5258.0, 5586.0, 5459.0, 5509.0, 5370.0, 5329.0, 5503.0, 5660.0 (number of hits: 35)
14	5570.0	9	1.0	333	1	5461.0, 5579.0, 5294.0, 5572.0, 5351.0, 5456.0, 5696.0, 5654.0, 5415.0, 5405.0, 5477.0, 5631.0, 5346.0, 5469.0, 5600.0, 5644.0, 5349.0, 5704.0, 5481.0, 5474.0, 5661.0, 5284.0, 5699.0, 5374.0, 5380.0, 5593.0, 5674.0, 5698.0, 5642.0, 5452.0, 5347.0, 5370.0, 5297.0, 5669.0, 5335.0, 5463.0, 5576.0, 5543.0, 5428.0, 5479.0, 5311.0, 5331.0, 5551.0, 5362.0, 5523.0, 5520.0, 5389.0, 5504.0, 5476.0, 5578.0, 5302.0, 5711.0, 5482.0, 5435.0, 5708.0, 5376.0, 5619.0, 5286.0, 5508.0, 5296.0, 5398.0, 5662.0, 5542.0, 5431.0,

						5620.0, 5371.0, 5279.0, 5256.0, 5255.0, 5633.0, 5641.0, 5509.0, 5262.0, 5443.0, 5547.0, 5413.0, 5433.0, 5607.0, 5659.0, 5519.0, 5271.0, 5490.0, 5396.0, 5487.0, 5341.0, 5269.0, 5253.0, 5393.0, 5300.0, 5688.0, 5254.0, 5332.0, 5638.0, 5691.0, 5580.0, 5444.0, 5478.0, 5288.0, 5665.0, 5624.0 (number of hits: 27)
15	5570.0	9	1.0	333	1	5413.0, 5680.0, 5714.0, 5481.0, 5584.0, 5471.0, 5535.0, 5595.0, 5692.0, 5636.0, 5429.0, 5399.0, 5606.0, 5328.0, 5444.0, 5574.0, 5267.0, 5538.0, 5723.0, 5433.0, 5357.0, 5371.0, 5362.0, 5716.0, 5567.0, 5658.0, 5326.0, 5498.0, 5576.0, 5384.0, 5273.0, 5251.0, 5339.0, 5550.0, 5315.0, 5334.0, 5283.0, 5350.0, 5488.0, 5580.0, 5261.0, 5289.0, 5523.0, 5386.0, 5652.0, 5370.0, 5311.0, 5619.0, 5274.0, 5682.0, 5617.0, 5600.0, 5607.0, 5293.0, 5425.0, 5418.0, 5314.0, 5541.0, 5464.0, 5667.0, 5476.0, 5630.0, 5253.0, 5426.0, 5294.0, 5612.0, 5561.0, 5698.0, 5715.0, 5602.0, 5483.0, 5679.0, 5500.0, 5470.0, 5626.0, 5717.0, 5442.0, 5380.0, 5662.0, 5338.0, 5284.0, 5665.0, 5490.0, 5472.0, 5420.0, 5332.0, 5436.0, 5592.0, 5710.0, 5331.0, 5351.0, 5589.0, 5635.0, 5638.0, 5572.0, 5317.0, 5422.0, 5629.0, 5292.0, 5325.0 (number of hits: 30)
16	5570.0	9	1.0	333	1	5517.0, 5589.0, 5318.0, 5542.0, 5350.0, 5534.0, 5649.0, 5580.0, 5560.0, 5469.0, 5424.0, 5459.0, 5372.0, 5496.0, 5389.0, 5652.0, 5595.0, 5491.0, 5465.0, 5416.0, 5413.0, 5531.0, 5547.0, 5363.0, 5612.0, 5635.0, 5681.0, 5650.0, 5676.0, 5524.0, 5571.0, 5378.0, 5327.0, 5458.0, 5602.0, 5366.0, 5320.0, 5577.0, 5404.0, 5684.0, 5520.0, 5513.0, 5562.0, 5480.0, 5659.0, 5543.0, 5503.0, 5331.0, 5514.0, 5463.0, 5423.0, 5678.0, 5585.0, 5293.0, 5723.0, 5665.0, 5484.0, 5669.0, 5273.0, 5709.0, 5510.0, 5500.0, 5655.0, 5306.0, 5628.0, 5310.0, 5259.0, 5364.0, 5594.0, 5512.0, 5561.0, 5438.0, 5434.0, 5307.0, 5691.0, 5692.0, 5283.0, 5554.0, 5321.0, 5400.0, 5722.0, 5509.0, 5445.0, 5369.0, 5660.0, 5596.0, 5521.0, 5287.0, 5436.0, 5490.0, 5556.0, 5471.0, 5559.0, 5714.0, 5381.0, 5305.0, 5340.0, 5566.0, 5695.0, 5460.0 (number of hits: 36)
17	5570.0	9	1.0	333	1	5391.0, 5543.0, 5713.0, 5290.0, 5363.0, 5425.0, 5625.0, 5380.0, 5339.0, 5557.0, 5631.0, 5383.0, 5455.0, 5665.0, 5470.0, 5549.0, 5655.0, 5559.0, 5456.0, 5547.0, 5448.0, 5658.0, 5507.0, 5657.0, 5690.0, 5635.0, 5550.0, 5342.0, 5284.0, 5406.0, 5722.0, 5329.0, 5632.0, 5452.0, 5270.0, 5694.0, 5480.0, 5393.0, 5564.0, 5495.0, 5601.0, 5411.0, 5610.0, 5313.0, 5681.0, 5321.0, 5623.0, 5570.0, 5459.0, 5539.0, 5503.0, 5485.0, 5541.0, 5502.0, 5330.0, 5387.0, 5261.0, 5317.0, 5375.0, 5714.0, 5527.0, 5505.0, 5418.0, 5397.0, 5385.0, 5427.0, 5683.0, 5271.0, 5545.0, 5678.0, 5457.0, 5586.0, 5589.0, 5653.0, 5540.0, 5311.0, 5405.0, 5388.0, 5377.0, 5352.0, 5532.0, 5300.0, 5615.0, 5422.0, 5484.0, 5399.0, 5491.0, 5327.0, 5278.0, 5680.0, 5620.0, 5274.0, 5381.0, 5251.0, 5616.0, 5591.0, 5420.0, 5415.0, 5398.0, 5378.0 (number of hits: 32)
18	5570.0	9	1.0	333	1	5607.0, 5673.0, 5281.0, 5679.0, 5686.0, 5276.0, 5496.0, 5652.0, 5413.0, 5332.0, 5670.0, 5486.0, 5345.0, 5289.0, 5309.0, 5397.0, 5271.0, 5721.0, 5463.0, 5412.0, 5310.0, 5479.0, 5336.0, 5365.0, 5469.0, 5683.0, 5432.0, 5431.0, 5630.0, 5537.0, 5513.0, 5342.0, 5402.0, 5417.0, 5620.0, 5501.0, 5519.0, 5372.0, 5440.0, 5328.0, 5692.0, 5441.0, 5634.0, 5564.0, 5660.0, 5642.0, 5465.0, 5389.0, 5256.0, 5551.0, 5574.0, 5292.0, 5525.0, 5426.0, 5572.0, 5406.0, 5599.0, 5658.0, 5323.0, 5390.0, 5371.0, 5388.0, 5580.0, 5459.0, 5387.0, 5703.0, 5374.0, 5367.0, 5419.0, 5603.0, 5331.0, 5464.0, 5659.0, 5511.0, 5609.0, 5473.0, 5567.0, 5321.0, 5678.0, 5650.0, 5435.0, 5718.0, 5573.0, 5378.0, 5657.0, 5339.0, 5505.0, 5351.0, 5596.0, 5520.0, 5302.0, 5619.0, 5455.0, 5677.0, 5460.0, 5280.0, 5690.0, 5254.0, 5474.0, 5324.0 (number of hits: 26)
19	5570.0	9	1.0	333	1	5494.0, 5351.0, 5617.0, 5526.0, 5615.0, 5267.0, 5534.0, 5363.0, 5339.0, 5298.0, 5576.0, 5448.0, 5365.0, 5294.0, 5418.0, 5718.0, 5651.0, 5556.0, 5467.0, 5348.0, 5602.0, 5586.0, 5271.0, 5325.0, 5386.0, 5497.0, 5270.0, 5587.0, 5338.0, 5491.0, 5583.0, 5519.0,

						5433.0, 5515.0, 5558.0, 5276.0, 5703.0, 5512.0, 5358.0, 5564.0, 5350.0, 5517.0, 5253.0, 5521.0, 5260.0, 5401.0, 5283.0, 5570.0, 5701.0, 5485.0, 5282.0, 5661.0, 5698.0, 5710.0, 5641.0, 5708.0, 5593.0, 5302.0, 5375.0, 5549.0, 5630.0, 5345.0, 5483.0, 5357.0, 5659.0, 5379.0, 5303.0, 5490.0, 5342.0, 5601.0, 5430.0, 5714.0, 5327.0, 5486.0, 5559.0, 5688.0, 5258.0, 5707.0, 5427.0, 5332.0, 5663.0, 5377.0, 5394.0, 5533.0, 5479.0, 5478.0, 5520.0, 5510.0, 5711.0, 5537.0, 5444.0, 5649.0, 5291.0, 5681.0, 5527.0, 5662.0, 5673.0, 5566.0, 5457.0, 5507.0 (number of hits: 33)
20	5570.0	9	1.0	333	1	5674.0, 5499.0, 5683.0, 5505.0, 5483.0, 5556.0, 5307.0, 5482.0, 5624.0, 5465.0, 5306.0, 5502.0, 5272.0, 5405.0, 5303.0, 5443.0, 5484.0, 5554.0, 5570.0, 5534.0, 5597.0, 5347.0, 5413.0, 5662.0, 5435.0, 5278.0, 5343.0, 5423.0, 5397.0, 5626.0, 5584.0, 5720.0, 5541.0, 5585.0, 5391.0, 5669.0, 5489.0, 5439.0, 5267.0, 5285.0, 5349.0, 5579.0, 5618.0, 5450.0, 5464.0, 5513.0, 5454.0, 5529.0, 5583.0, 5342.0, 5309.0, 5419.0, 5506.0, 5430.0, 5365.0, 5629.0, 5558.0, 5372.0, 5322.0, 5524.0, 5620.0, 5452.0, 5672.0, 5582.0, 5600.0, 5293.0, 5717.0, 5255.0, 5338.0, 5331.0, 5632.0, 5588.0, 5264.0, 5613.0, 5656.0, 5660.0, 5590.0, 5644.0, 5358.0, 5312.0, 5628.0, 5417.0, 5427.0, 5477.0, 5525.0, 5547.0, 5424.0, 5458.0, 5679.0, 5262.0, 5706.0, 5254.0, 5531.0, 5519.0, 5676.0, 5388.0, 5361.0, 5488.0, 5283.0, 5304.0 (number of hits: 35)
21	5570.0	9	1.0	333	1	5601.0, 5431.0, 5682.0, 5347.0, 5439.0, 5616.0, 5483.0, 5618.0, 5659.0, 5539.0, 5469.0, 5647.0, 5260.0, 5573.0, 5583.0, 5636.0, 5392.0, 5423.0, 5472.0, 5458.0, 5496.0, 5327.0, 5354.0, 5552.0, 5281.0, 5546.0, 5253.0, 5666.0, 5560.0, 5478.0, 5699.0, 5637.0, 5280.0, 5540.0, 5721.0, 5287.0, 5342.0, 5508.0, 5370.0, 5697.0, 5304.0, 5691.0, 5430.0, 5497.0, 5620.0, 5548.0, 5559.0, 5686.0, 5442.0, 5612.0, 5507.0, 5335.0, 5396.0, 5695.0, 5411.0, 5605.0, 5383.0, 5481.0, 5591.0, 5299.0, 5452.0, 5366.0, 5661.0, 5680.0, 5295.0, 5669.0, 5723.0, 5653.0, 5381.0, 5267.0, 5501.0, 5313.0, 5558.0, 5258.0, 5724.0, 5301.0, 5596.0, 5314.0, 5594.0, 5668.0, 5628.0, 5270.0, 5434.0, 5255.0, 5646.0, 5318.0, 5599.0, 5289.0, 5526.0, 5517.0, 5453.0, 5567.0, 5709.0, 5595.0, 5530.0, 5603.0, 5504.0, 5561.0, 5455.0, 5619.0 (number of hits: 39)
22	5570.0	9	1.0	333	1	5699.0, 5696.0, 5346.0, 5532.0, 5364.0, 5509.0, 5625.0, 5385.0, 5589.0, 5689.0, 5626.0, 5646.0, 5576.0, 5434.0, 5352.0, 5325.0, 5371.0, 5520.0, 5359.0, 5476.0, 5478.0, 5391.0, 5548.0, 5270.0, 5593.0, 5373.0, 5378.0, 5362.0, 5355.0, 5450.0, 5457.0, 5310.0, 5531.0, 5387.0, 5690.0, 5258.0, 5665.0, 5663.0, 5569.0, 5338.0, 5518.0, 5394.0, 5306.0, 5637.0, 5587.0, 5298.0, 5368.0, 5397.0, 5273.0, 5324.0, 5683.0, 5291.0, 5671.0, 5380.0, 5642.0, 5332.0, 5605.0, 5627.0, 5715.0, 5565.0, 5592.0, 5437.0, 5280.0, 5483.0, 5524.0, 5521.0, 5553.0, 5680.0, 5408.0, 5316.0, 5588.0, 5722.0, 5550.0, 5259.0, 5281.0, 5430.0, 5506.0, 5252.0, 5577.0, 5257.0, 5669.0, 5551.0, 5674.0, 5649.0, 5376.0, 5608.0, 5312.0, 5631.0, 5552.0, 5260.0, 5340.0, 5612.0, 5682.0, 5467.0, 5363.0, 5679.0, 5706.0, 5460.0, 5604.0, 5614.0 (number of hits: 34)
23	5570.0	9	1.0	333	1	5467.0, 5498.0, 5676.0, 5423.0, 5434.0, 5717.0, 5504.0, 5360.0, 5553.0, 5604.0, 5608.0, 5301.0, 5457.0, 5281.0, 5253.0, 5324.0, 5540.0, 5593.0, 5579.0, 5446.0, 5336.0, 5718.0, 5503.0, 5548.0, 5549.0, 5614.0, 5530.0, 5569.0, 5418.0, 5602.0, 5272.0, 5544.0, 5633.0, 5422.0, 5438.0, 5599.0, 5452.0, 5635.0, 5390.0, 5322.0, 5613.0, 5359.0, 5273.0, 5389.0, 5626.0, 5575.0, 5332.0, 5250.0, 5533.0, 5518.0, 5707.0, 5348.0, 5605.0, 5672.0, 5708.0, 5428.0, 5571.0, 5716.0, 5523.0, 5583.0, 5574.0, 5634.0, 5487.0, 5344.0, 5684.0, 5439.0, 5361.0, 5275.0, 5656.0, 5254.0, 5307.0, 5308.0, 5513.0, 5570.0, 5651.0, 5462.0, 5290.0, 5414.0, 5355.0, 5573.0, 5541.0, 5721.0, 5377.0, 5271.0, 5447.0, 5617.0, 5704.0, 5436.0, 5668.0, 5401.0, 5719.0, 5674.0, 5702.0, 5262.0, 5638.0, 5600.0, 5404.0, 5437.0, 5644.0, 5516.0 (number of hits: 39)

24	5570.0	9	1.0	333	1	5632.0, 5457.0, 5546.0, 5630.0, 5298.0, 5540.0, 5303.0, 5664.0, 5395.0, 5721.0, 5267.0, 5484.0, 5616.0, 5421.0, 5377.0, 5676.0, 5299.0, 5527.0, 5290.0, 5289.0, 5252.0, 5623.0, 5612.0, 5380.0, 5388.0, 5429.0, 5372.0, 5328.0, 5364.0, 5544.0, 5404.0, 5428.0, 5490.0, 5599.0, 5355.0, 5362.0, 5387.0, 5555.0, 5496.0, 5399.0, 5643.0, 5270.0, 5451.0, 5631.0, 5301.0, 5412.0, 5371.0, 5323.0, 5471.0, 5706.0, 5644.0, 5430.0, 5621.0, 5589.0, 5614.0, 5636.0, 5435.0, 5381.0, 5413.0, 5566.0, 5554.0, 5434.0, 5326.0, 5363.0, 5558.0, 5300.0, 5710.0, 5699.0, 5711.0, 5691.0, 5444.0, 5714.0, 5622.0, 5519.0, 5426.0, 5335.0, 5660.0, 5491.0, 5673.0, 5463.0, 5287.0, 5419.0, 5615.0, 5304.0, 5525.0, 5314.0, 5345.0, 5272.0, 5282.0, 5329.0, 5347.0, 5283.0, 5659.0, 5379.0, 5448.0, 5520.0, 5709.0, 5647.0, 5700.0, 5359.0 (number of hits: 28)
25	5570.0	9	1.0	333	1	5556.0, 5714.0, 5680.0, 5489.0, 5296.0, 5264.0, 5577.0, 5499.0, 5601.0, 5318.0, 5540.0, 5547.0, 5440.0, 5689.0, 5484.0, 5657.0, 5642.0, 5557.0, 5566.0, 5412.0, 5670.0, 5345.0, 5693.0, 5549.0, 5277.0, 5406.0, 5504.0, 5521.0, 5308.0, 5392.0, 5663.0, 5564.0, 5326.0, 5382.0, 5643.0, 5262.0, 5610.0, 5676.0, 5520.0, 5559.0, 5416.0, 5282.0, 5550.0, 5322.0, 5651.0, 5530.0, 5675.0, 5368.0, 5334.0, 5506.0, 5634.0, 5546.0, 5723.0, 5707.0, 5492.0, 5335.0, 5518.0, 5436.0, 5317.0, 5258.0, 5632.0, 5526.0, 5339.0, 5638.0, 5618.0, 5261.0, 5664.0, 5603.0, 5270.0, 5656.0, 5532.0, 5355.0, 5677.0, 5448.0, 5697.0, 5654.0, 5315.0, 5686.0, 5578.0, 5432.0, 5666.0, 5300.0, 5527.0, 5633.0, 5505.0, 5419.0, 5330.0, 5596.0, 5477.0, 5401.0, 5328.0, 5437.0, 5287.0, 5562.0, 5439.0, 5682.0, 5662.0, 5720.0, 5607.0, 5585.0 (number of hits: 38)
26	5570.0	9	1.0	333	1	5665.0, 5662.0, 5400.0, 5360.0, 5488.0, 5477.0, 5659.0, 5431.0, 5345.0, 5530.0, 5283.0, 5539.0, 5316.0, 5475.0, 5386.0, 5609.0, 5327.0, 5430.0, 5519.0, 5348.0, 5588.0, 5281.0, 5298.0, 5540.0, 5666.0, 5334.0, 5565.0, 5504.0, 5353.0, 5723.0, 5414.0, 5586.0, 5350.0, 5682.0, 5672.0, 5463.0, 5351.0, 5292.0, 5425.0, 5446.0, 5514.0, 5526.0, 5393.0, 5598.0, 5399.0, 5525.0, 5421.0, 5482.0, 5341.0, 5590.0, 5267.0, 5415.0, 5371.0, 5478.0, 5679.0, 5458.0, 5464.0, 5315.0, 5545.0, 5495.0, 5512.0, 5325.0, 5520.0, 5522.0, 5257.0, 5484.0, 5705.0, 5657.0, 5721.0, 5550.0, 5405.0, 5395.0, 5310.0, 5460.0, 5618.0, 5329.0, 5453.0, 5311.0, 5290.0, 5490.0, 5277.0, 5696.0, 5447.0, 5718.0, 5317.0, 5636.0, 5646.0, 5548.0, 5692.0, 5471.0, 5694.0, 5517.0, 5455.0, 5369.0, 5660.0, 5639.0, 5379.0, 5612.0, 5722.0, 5487.0 (number of hits: 27)
27	5570.0	9	1.0	333	1	5549.0, 5352.0, 5384.0, 5322.0, 5280.0, 5489.0, 5666.0, 5579.0, 5691.0, 5485.0, 5369.0, 5533.0, 5419.0, 5573.0, 5631.0, 5700.0, 5342.0, 5366.0, 5315.0, 5399.0, 5491.0, 5330.0, 5354.0, 5271.0, 5414.0, 5476.0, 5471.0, 5682.0, 5370.0, 5470.0, 5604.0, 5595.0, 5661.0, 5439.0, 5334.0, 5275.0, 5272.0, 5706.0, 5591.0, 5389.0, 5574.0, 5269.0, 5257.0, 5523.0, 5258.0, 5458.0, 5588.0, 5675.0, 5339.0, 5478.0, 5559.0, 5600.0, 5266.0, 5603.0, 5430.0, 5391.0, 5664.0, 5410.0, 5688.0, 5450.0, 5647.0, 5255.0, 5310.0, 5665.0, 5494.0, 5594.0, 5659.0, 5302.0, 5474.0, 5638.0, 5629.0, 5554.0, 5459.0, 5299.0, 5298.0, 5686.0, 5353.0, 5345.0, 5653.0, 5473.0, 5428.0, 5689.0, 5721.0, 5477.0, 5627.0, 5722.0, 5496.0, 5344.0, 5420.0, 5719.0, 5658.0, 5681.0, 5397.0, 5639.0, 5640.0, 5262.0, 5357.0, 5699.0, 5305.0, 5327.0 (number of hits: 24)
28	5570.0	9	1.0	333	1	5284.0, 5388.0, 5487.0, 5685.0, 5724.0, 5472.0, 5474.0, 5691.0, 5431.0, 5271.0, 5354.0, 5425.0, 5399.0, 5672.0, 5627.0, 5335.0, 5456.0, 5260.0, 5679.0, 5286.0, 5435.0, 5604.0, 5548.0, 5408.0, 5719.0, 5420.0, 5670.0, 5639.0, 5636.0, 5397.0, 5720.0, 5583.0, 5489.0, 5480.0, 5262.0, 5349.0, 5632.0, 5297.0, 5384.0, 5567.0, 5485.0, 5317.0, 5644.0, 5676.0, 5492.0, 5528.0, 5359.0, 5468.0, 5540.0, 5280.0, 5341.0, 5484.0, 5571.0, 5449.0, 5488.0, 5424.0, 5573.0, 5299.0, 5345.0, 5576.0, 5626.0, 5268.0, 5419.0, 5694.0, 5365.0, 5440.0, 5658.0, 5614.0, 5259.0, 5418.0, 5525.0, 5439.0,

						5592.0, 5673.0, 5261.0, 5607.0, 5316.0, 5617.0, 5362.0, 5296.0, 5547.0, 5409.0, 5481.0, 5350.0, 5298.0, 5404.0, 5320.0, 5257.0, 5283.0, 5264.0, 5373.0, 5664.0, 5360.0, 5546.0, 5714.0, 5630.0, 5498.0, 5561.0, 5470.0, 5256.0 (number of hits: 26)
29	5570.0	9	1.0	333	1	5318.0, 5392.0, 5525.0, 5407.0, 5404.0, 5307.0, 5524.0, 5715.0, 5304.0, 5551.0, 5308.0, 5288.0, 5646.0, 5633.0, 5505.0, 5645.0, 5589.0, 5532.0, 5473.0, 5287.0, 5704.0, 5552.0, 5314.0, 5712.0, 5415.0, 5476.0, 5609.0, 5629.0, 5435.0, 5372.0, 5497.0, 5388.0, 5357.0, 5611.0, 5494.0, 5541.0, 5681.0, 5323.0, 5503.0, 5348.0, 5310.0, 5371.0, 5445.0, 5615.0, 5294.0, 5295.0, 5550.0, 5538.0, 5607.0, 5495.0, 5324.0, 5616.0, 5684.0, 5601.0, 5429.0, 5640.0, 5349.0, 5675.0, 5527.0, 5437.0, 5457.0, 5279.0, 5315.0, 5290.0, 5592.0, 5661.0, 5451.0, 5274.0, 5331.0, 5359.0, 5364.0, 5329.0, 5312.0, 5692.0, 5522.0, 5648.0, 5382.0, 5284.0, 5251.0, 5443.0, 5257.0, 5669.0, 5639.0, 5374.0, 5515.0, 5252.0, 5472.0, 5379.0, 5600.0, 5547.0, 5605.0, 5529.0, 5678.0, 5659.0, 5406.0, 5427.0, 5504.0, 5376.0, 5687.0, 5709.0 (number of hits: 35)
30	5570.0	9	1.0	333	1	5329.0, 5528.0, 5274.0, 5441.0, 5631.0, 5658.0, 5717.0, 5557.0, 5512.0, 5484.0, 5437.0, 5459.0, 5295.0, 5622.0, 5319.0, 5464.0, 5318.0, 5461.0, 5698.0, 5511.0, 5350.0, 5347.0, 5699.0, 5700.0, 5443.0, 5404.0, 5278.0, 5429.0, 5709.0, 5684.0, 5545.0, 5580.0, 5542.0, 5277.0, 5454.0, 5532.0, 5667.0, 5294.0, 5581.0, 5584.0, 5379.0, 5635.0, 5648.0, 5270.0, 5444.0, 5649.0, 5409.0, 5262.0, 5365.0, 5296.0, 5572.0, 5316.0, 5400.0, 5291.0, 5257.0, 5269.0, 5639.0, 5527.0, 5707.0, 5253.0, 5419.0, 5603.0, 5500.0, 5290.0, 5266.0, 5526.0, 5614.0, 5374.0, 5254.0, 5411.0, 5487.0, 5556.0, 5687.0, 5363.0, 5665.0, 5332.0, 5368.0, 5351.0, 5259.0, 5470.0, 5530.0, 5325.0, 5314.0, 5501.0, 5564.0, 5445.0, 5410.0, 5678.0, 5428.0, 5481.0, 5354.0, 5337.0, 5596.0, 5284.0, 5628.0, 5408.0, 5256.0, 5383.0, 5263.0, 5706.0 (number of hits: 26)

P2MP Client Mode
Iron Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	83.3 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	82.5 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	93.3 %	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	95	1.0	558	1
2	62	1.0	858	1
3	65	1.0	818	1
4	63	1.0	838	1
5	68	1.0	778	0
6	74	1.0	718	0
7	89	1.0	598	1
8	99	1.0	538	1
9	83	1.0	638	1
10	81	1.0	658	1
11	70	1.0	758	1
12	61	1.0	878	1
13	59	1.0	898	1
14	18	1.0	3066	1
15	78	1.0	678	1
1	102	1.0	522	1
2	36	1.0	1481	1
3	26	1.0	2102	1
4	47	1.0	1124	1
5	23	1.0	2340	1
6	36	1.0	1499	0
7	30	1.0	1792	1
8	58	1.0	916	1
9	26	1.0	2054	1
10	23	1.0	2302	0
11	52	1.0	1025	1
12	29	1.0	1847	0
13	19	1.0	2780	1
14	23	1.0	2306	1
15	39	1.0	1381	1
Detection Percentage: 83.3 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	26	2.8	198	1
2	24	1.2	222	1
3	23	4.5	206	1
4	25	3.4	205	1
5	24	1.5	181	1
6	28	4.7	201	1
7	24	2.0	213	0
8	23	1.0	202	1
9	29	5.0	196	1
10	23	2.6	179	1
11	23	2.4	154	1
12	27	3.7	185	1
13	24	2.1	173	1
14	27	4.3	183	1
15	24	4.6	194	1
16	26	4.2	219	1
17	23	2.7	168	0
18	26	2.6	167	1
19	25	3.4	197	0
20	28	1.4	195	1
21	26	3.9	184	1
22	27	2.7	167	1
23	29	3.4	227	1
24	28	4.2	218	1
25	24	4.8	177	1
26	29	3.9	181	0
27	23	1.1	202	1
28	25	1.9	178	1
29	23	2.5	212	1
30	26	2.0	153	0
Detection Percentage: 83.3 % (>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	16	9.2	402	1
2	18	7.1	290	1
3	16	7.8	203	1
4	18	7.3	260	1
5	18	7.7	385	1
6	16	7.4	326	0
7	16	8.9	406	1
8	17	7.3	216	1
9	17	7.4	358	0
10	18	8.8	263	1
11	18	8.7	341	1
12	18	7.9	498	1
13	17	7.3	390	1
14	17	6.3	376	1
15	18	6.9	310	1
16	18	9.2	282	1
17	17	9.4	464	1
18	18	6.7	247	1
19	18	8.5	346	1
20	18	6.3	308	1
21	16	6.6	390	1
22	16	8.0	324	1
23	17	9.6	465	1
24	17	9.9	251	1
25	18	6.4	409	0
26	17	6.3	352	1
27	17	7.9	393	1
28	16	8.6	232	1
29	18	7.3	219	1
30	18	6.8	276	0
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	18.5	416	1
2	14	14.4	398	1
3	12	15.6	431	0
4	12	19.7	386	1
5	13	12.0	220	1
6	14	16.8	294	0
7	15	15.4	373	1
8	12	11.1	433	1
9	15	15.4	310	1
10	16	13.3	332	1
11	14	11.2	225	0
12	13	13.2	384	1
13	15	15.8	488	1
14	13	15.8	312	1
15	14	18.7	266	0
16	16	17.5	225	0
17	13	15.2	343	1
18	16	17.7	303	1
19	13	14.5	456	1
20	16	13.0	406	1
21	16	15.7	213	1
22	13	12.6	295	1
23	13	11.3	432	0
24	15	17.3	241	1
25	12	18.6	378	1
26	14	13.4	258	0
27	16	12.9	451	1
28	13	14.6	373	1
29	12	17.7	456	1
30	16	11.5	409	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	5496.4	1
12	5494.8	1
13	5496.8	1
14	5499.2	1
15	5495.6	1
16	5496.4	1
17	5495.2	1
18	5495.6	1
19	5498.8	1
20	5498.0	1
21	5500.8	1
22	5504.4	1
23	5503.6	1
24	5503.2	1
25	5504.8	1
26	5505.2	1
27	5504.8	1
28	5506.0	1
29	5504.0	1
30	5505.6	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	8	60.3	1364	1783	0.398764	1
1	2	8	61.5	1331		1.374450	
2	3	8	63.6	1761	1842	1.520987	
3	3	8	74.7	1074	1443	2.374434	
4	2	8	99.4	1509		3.680405	
5	1	8	81.2			3.963030	
6	3	8	55.3	1850	1631	4.535727	
7	2	8	67.2	1168		5.958470	
8	1	8	63.3			6.623135	
9	1	8	91.1			7.068918	
10	1	8	51.7			8.033104	
11	2	8	53.0	1922		8.739474	
12	3	8	79.7	1987	1502	9.359882	
13	2	8	59.1	1590		9.766280	
14	1	8	76.1			11.206429	
15	2	8	77.8	1242		11.413519	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	71.2	1963		0.303756	1
1	3	8	55.2	1595	1452	1.703334	
2	2	8	69.6	1948		2.371213	
3	1	8	94.0			3.675886	
4	2	8	94.2	1188		4.302806	
5	2	8	53.4	1427		4.996622	
6	3	8	65.2	1761	1803	6.142465	
7	3	8	90.6	1629	1821	7.195309	
8	2	8	88.6	1627		7.976155	
9	3	8	92.8	1519	1096	8.493366	
10	3	8	93.1	1848	1110	9.432091	
11	2	8	89.0	1431		10.393331	
12	3	8	66.0	1533	1321	11.750942	

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	87.2	1196	1349	0.188634	1
1	2	7	76.2	1169		0.626270	
2	1	7	55.0			1.519184	
3	1	7	51.5			2.149243	
4	1	7	67.2			2.510385	
5	3	7	53.5	1010	1710	3.001032	
6	2	7	89.7	1038		3.829465	
7	3	7	83.7	1298	1504	4.763028	
8	2	7	50.8	1419		5.081486	
9	1	7	76.1			5.507359	
10	3	7	53.4	1930	1071	6.032778	
11	1	7	58.6			6.937380	
12	3	7	99.1	1108	1235	7.607746	
13	1	7	94.1			7.895780	
14	3	7	55.9	1456	1399	8.666566	
15	2	7	61.9	1611		9.584865	
16	3	7	69.5	1372	1799	9.630814	
17	2	7	92.4	1923		10.704133	
18	2	7	91.0	1377		11.037384	
19	1	7	96.9			11.481440	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	95.6	1824		0.070929	1
1	1	7	72.0			2.283447	
2	2	7	59.9	1573		2.722406	
3	3	7	88.6	1466	1711	3.654863	
4	2	7	88.0	1999		5.711896	
5	3	7	65.8	1203	1154	6.912027	
6	2	7	73.5	1746		8.313739	
7	2	7	82.4	1438		9.405211	
8	3	7	75.6	1988	1048	10.300860	
9	2	7	96.3	1298		11.276798	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	75.0			0.505107	
1	3	6	80.1	1102	1005	1.557124	
2	3	6	94.6	1739	1866	2.451730	
3	1	6	85.1			4.299099	
4	2	6	89.5	1527		5.013729	
5	1	6	95.4			6.161818	1
6	3	6	98.9	1232	1180	6.909334	
7	2	6	86.6	1677		8.559379	
8	2	6	74.4	1947		9.163353	
9	2	6	87.2	1767		10.604896	
10	2	6	92.8	1224		11.973476	

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	73.4	1430	1972	0.126283	
1	1	7	59.4			0.849047	
2	1	7	98.6			2.027111	
3	3	7	76.7	1498	1982	2.751229	
4	2	7	83.3	1689		3.413405	
5	1	7	51.4			3.744181	
6	2	7	89.0	1864		4.554479	
7	1	7	86.6			5.120906	
8	2	7	81.8	1848		6.253157	1
9	1	7	58.0			6.749051	
10	1	7	55.5			7.068773	
11	3	7	65.9	1041	1544	7.813844	
12	2	7	61.7	1708		8.973117	
13	3	7	70.5	1405	1747	9.245242	
14	2	7	58.2	1498		10.000469	
15	3	7	63.0	1010	1166	11.110592	
16	2	7	76.9	1649		11.910139	

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	6	87.7	1964	1189	0.444904	
1	3	6	94.0	1804	1113	1.166599	
2	2	6	95.9	1952		1.265632	
3	2	6	56.2	1715		2.192867	
4	2	6	72.5	1104		2.568319	
5	3	6	92.1	1790	1382	3.501031	
6	2	6	71.7	1041		4.269228	
7	2	6	88.0	1574		4.879775	
8	3	6	83.9	1451	1812	5.432567	
9	1	6	52.8			6.072286	1
10	2	6	89.5	1588		6.632004	
11	1	6	63.8			7.466305	
12	1	6	56.7			7.749310	
13	2	6	55.7	1584		8.823783	
14	1	6	69.5			8.878623	
15	2	6	83.1	1982		9.777886	
16	1	6	75.1			10.521587	
17	1	6	75.2			11.315452	
18	2	6	79.9	1647		11.712313	

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	5	56.9	1399		0.092103	
1	1	5	73.1			1.027941	
2	2	5	93.6	1428		2.735682	
3	2	5	53.6	1457		3.830807	
4	3	5	53.7	1571	1305	4.110947	
5	3	5	85.0	1540	1074	5.120509	
6	2	5	62.7	1235		6.671705	1
7	2	5	61.3	1334		7.986985	
8	2	5	80.0	1556		8.098843	
9	3	5	87.3	1552	1104	9.840952	
10	2	5	85.0	1948		10.584919	
11	1	5	83.1			11.223177	

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	6	88.4	1765		0.096856	1
1	2	6	81.9	1303		0.775497	
2	2	6	85.9	1345		1.645435	
3	2	6	69.0	1770		2.347111	
4	2	6	56.3	1012		2.790729	
5	1	6	69.1			3.041962	
6	3	6	89.7	1982	1759	4.184902	
7	2	6	75.4	1139		4.490954	
8	2	6	68.4	1844		5.081048	
9	2	6	72.2	1835		5.705276	
10	2	6	86.5	1004		6.351629	
11	2	6	74.0	1162		6.703796	
12	2	6	75.5	1450		7.734627	
13	2	6	67.2	1970		8.116126	
14	3	6	69.8	1462	1510	8.648708	
15	1	6	64.2			9.251945	
16	1	6	99.2			9.692047	
17	1	6	72.3			10.648068	
18	3	6	76.1	1712	1608	11.068330	
19	3	6	72.4	1544	1470	11.549368	

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	5	96.4	1383		0.273951	
1	2	5	85.7	1910		0.854642	
2	1	5	99.7			1.531539	
3	2	5	50.3	1704		2.074509	
4	1	5	62.9			2.841517	
5	2	5	86.6	1093		3.329706	
6	1	5	98.1			4.248295	
7	2	5	61.6	1595		4.843833	
8	1	5	68.4			5.153329	
9	2	5	75.1	1988		6.073863	1
10	3	5	76.1	1990	1760	6.650128	
11	3	5	59.4	1544	1053	7.410378	
12	2	5	66.1	1826		7.918148	
13	1	5	72.2			8.717915	
14	3	5	60.5	1758	1278	9.296201	
15	3	5	55.5	1950	1576	9.674507	
16	1	5	80.8			10.577690	
17	2	5	63.0	1661		10.959603	
18	2	5	80.6	1024		11.659428	

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	11	70.9	1946		0.512815	
1	1	11	54.8			1.125391	
2	3	11	69.8	1776	1938	1.498780	
3	1	11	75.5			2.227831	
4	2	11	80.8	1039		2.964234	
5	2	11	52.8	1552		3.296546	
6	2	11	96.6	1201		4.199698	
7	1	11	70.6			4.812937	
8	2	11	99.6	1393		5.655265	
9	1	11	63.5			5.854127	1
10	1	11	77.8			6.765721	
11	1	11	66.8			6.986307	
12	3	11	98.5	1792	1180	8.194770	
13	1	11	54.9			8.503714	
14	1	11	59.6			8.995585	
15	1	11	76.8			9.861116	
16	2	11	88.9	1348		10.636482	
17	1	11	51.5			10.781712	
18	2	11	95.5	1424		11.837760	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	67.1	1496	1022	0.478586	
1	3	7	90.2	1949	1890	1.220842	
2	2	7	83.8	1906		1.838144	
3	1	7	92.5			3.077447	
4	2	7	83.0	1680		3.572587	
5	1	7	76.8			4.445965	
6	1	7	66.9			5.257690	
7	3	7	87.6	1867	1097	6.077549	1
8	2	7	51.0	1913		6.450418	
9	2	7	66.0	1293		7.568036	
10	2	7	76.1	1057		8.626825	
11	1	7	90.7			9.535195	
12	3	7	89.0	1283	1360	10.216453	
13	3	7	76.2	1663	1069	11.003102	
14	3	7	81.7	1407	1261	11.558878	

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	12	51.6	1701	1849	0.466047	
1	3	12	51.1	1401	1251	1.491813	
2	2	12	51.7	1147		1.995116	
3	1	12	93.8			2.779791	
4	2	12	98.7	1081		4.179477	
5	1	12	80.4			4.820880	
6	2	12	51.6	1331		6.453341	1
7	1	12	93.5			6.637783	
8	2	12	67.4	1104		7.756270	
9	1	12	93.4			9.022446	
10	1	12	98.7			9.703717	
11	1	12	78.8			10.269217	
12	2	12	53.2	1673		11.315678	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	77.8	1507	1251	0.475953	
1	3	18	60.5	1434	1347	1.017592	
2	1	18	84.6			1.643425	
3	2	18	70.0	1845		2.422103	
4	1	18	97.6			3.309604	
5	2	18	57.5	1395		3.748214	
6	2	18	74.6	1092		4.007658	
7	2	18	64.1	1850		4.813087	
8	1	18	68.6			5.806912	
9	3	18	92.5	1199	1434	6.212202	1
10	2	18	84.1	1207		6.776285	
11	3	18	58.9	1431	1960	7.484733	
12	3	18	84.1	1278	1240	8.056573	
13	2	18	88.0	1734		9.318053	
14	2	18	77.7	1444		9.950084	
15	1	18	57.2			10.563750	
16	3	18	74.1	1625	1451	10.821831	
17	2	18	90.7	1879		11.736978	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	94.1			0.296685	
1	2	9	69.2	1337		0.993277	
2	2	9	55.9	1140		1.820676	
3	1	9	86.5			2.616856	
4	1	9	80.2			2.998692	
5	1	9	50.4			3.790788	
6	3	9	72.9	1631	1034	4.796631	
7	2	9	62.7	1881		5.436720	
8	2	9	73.5	1757		5.988963	1
9	2	9	69.9	1816		6.441666	
10	2	9	55.5	1840		7.145308	
11	3	9	82.8	1073	1312	7.943221	
12	2	9	77.4	1576		8.926122	
13	3	9	65.9	1585	1506	9.719350	
14	1	9	78.9			10.234017	
15	2	9	81.8	1108		10.875074	
16	2	9	53.1	1822		11.767651	

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	11	56.5	1150		0.731242	
1	1	11	86.7			1.809129	
2	3	11	58.9	1319	1406	3.291501	
3	3	11	97.7	1689	1684	4.364278	
4	1	11	68.7			5.778469	
5	2	11	66.3	1449		6.308086	1
6	2	11	84.5	1706		8.332309	
7	2	11	66.2	1033		8.853498	
8	2	11	78.1	1486		10.330211	
9	1	11	50.1			11.914371	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	62.5	1720		0.612528	
1	1	8	66.2			1.038462	
2	3	8	89.4	1127	1590	2.661616	
3	2	8	66.3	1316		3.248379	
4	2	8	56.9	1932		4.594497	
5	2	8	82.5	1896		4.918872	
6	1	8	58.1			6.146055	1
7	2	8	59.4	1236		7.090499	
8	3	8	73.5	1786	1656	7.973175	
9	3	8	75.8	1992	1370	9.103756	
10	2	8	95.7	1091		9.569793	
11	1	8	61.6			10.847263	
12	1	8	87.8			11.379912	

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	9	65.8	1384		0.168628	
1	2	9	68.0	1911		0.954653	
2	1	9	54.4			2.696891	
3	2	9	97.0	1943		3.335139	
4	3	9	93.2	1429	1049	4.259078	
5	3	9	70.6	1408	1925	4.839530	
6	2	9	73.3	1449		6.295496	1
7	2	9	54.9	1088		6.640956	
8	2	9	97.3	1702		8.171099	
9	2	9	74.7	1541		9.073339	
10	3	9	67.5	1633	1834	9.577158	
11	2	9	69.2	1657		10.676255	
12	2	9	68.7	1583		11.878425	

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	97.8	1717		0.816400	
1	1	17	94.7			1.290830	
2	1	17	51.8			2.132905	
3	3	17	93.4	1317	1898	3.682019	
4	1	17	80.2			3.838092	
5	1	17	94.4			4.847298	
6	2	17	90.0	1989		6.271312	1
7	3	17	61.8	1531	1541	7.377145	
8	1	17	93.9			7.385559	
9	3	17	98.2	1275	1347	8.978024	
10	1	17	82.0			9.475568	
11	3	17	82.6	1263	1238	10.507829	
12	1	17	95.1			11.917294	

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	15	56.4			0.804309	
1	2	15	81.0	1155		1.445799	
2	2	15	65.0	1441		3.076200	
3	3	15	90.9	1978	1795	5.292879	
4	3	15	95.0	1796	1248	5.856583	1
5	2	15	62.8	1730		7.135280	
6	1	15	96.3			8.584252	
7	3	15	89.8	1237	1337	9.625030	
8	3	15	58.0	1041	1937	11.494111	

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	18	72.3			0.408916	1
1	3	18	96.2	1897	1748	1.776642	
2	1	18	65.8			4.233209	
3	2	18	89.4	1150		5.253200	
4	2	18	91.7	1788		6.580230	
5	1	18	84.5			8.578835	
6	1	18	68.8			10.231073	
7	3	18	54.1	1514	1320	10.814959	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	79.2			0.732650	1
1	2	9	59.8	1980		0.993012	
2	2	9	56.7	1019		1.825665	
3	1	9	78.4			2.931019	
4	2	9	59.0	1755		3.959548	
5	1	9	99.7			4.011139	
6	2	9	62.8	1371		5.139971	
7	2	9	61.0	1081		6.386292	
8	3	9	62.3	1264	1201	7.092063	
9	3	9	80.1	1796	1982	7.785177	
10	3	9	60.3	1639	1137	8.214222	
11	3	9	71.2	1291	1831	9.054516	
12	3	9	61.3	1312	1994	9.693167	
13	2	9	60.2	1225		10.671781	
14	2	9	54.7	1967		11.384485	

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	83.0	1562		0.588549	1
1	3	11	66.5	1194	1050	0.796726	
2	2	11	94.8	1290		1.440592	
3	2	11	52.5	1601		2.336398	
4	1	11	50.4			2.699179	
5	2	11	59.7	1426		3.887548	
6	2	11	52.3	1670		4.014271	
7	3	11	75.8	1898	1961	4.989075	
8	3	11	70.1	1004	1515	5.516322	
9	1	11	70.6			6.632002	
10	3	11	71.6	1733	1025	6.710682	
11	2	11	63.2	1429		7.613777	
12	3	11	80.6	1745	1795	8.407658	
13	2	11	71.3	1886		9.292345	
14	2	11	69.6	1201		9.419439	
15	1	11	75.1			10.030148	
16	2	11	88.2	1234		11.101690	
17	1	11	66.0			11.724191	

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	12	81.5			0.456351	1
1	2	12	99.6	1745		1.373011	
2	1	12	54.5			1.978618	
3	2	12	72.4	1878		2.609601	
4	1	12	66.1			3.458313	
5	3	12	73.2	1477	1397	3.995183	
6	3	12	70.9	1215	1914	5.054411	
7	1	12	78.2			5.276729	
8	3	12	80.5	1150	1438	6.121538	
9	2	12	57.1	1930		6.880371	
10	1	12	75.5			7.670938	
11	1	12	99.2			8.432085	
12	2	12	73.8	1048		9.228552	
13	2	12	66.8	1899		10.230046	
14	2	12	59.3	1923		11.133974	
15	2	12	66.9	1395		11.673956	

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	8	93.7	1805		0.582178	
1	3	8	54.7	1594	1152	1.134564	
2	2	8	85.2	1227		1.309751	
3	2	8	60.5	1735		2.209084	
4	2	8	56.5	1035		2.547200	
5	2	8	65.0	1606		3.503251	
6	2	8	52.3	1303		4.022426	
7	3	8	72.0	1747	1893	4.777156	
8	3	8	68.6	1809	1897	5.228765	
9	1	8	75.7			5.738044	1
10	1	8	85.2			6.376607	
11	3	8	87.9	1383	1973	6.832131	
12	2	8	70.2	1892		7.504439	
13	2	8	51.9	1708		8.167046	
14	3	8	96.0	1570	1551	8.885032	
15	2	8	53.4	1854		9.182880	
16	3	8	98.5	1359	1373	10.017810	
17	1	8	75.7			10.324814	
18	1	8	64.7			10.862566	
19	2	8	83.2	1367		11.964865	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	53.7	1116	1480	0.596049	1
1	1	7	50.8			2.307717	
2	3	7	83.0	1136	1009	2.767436	
3	2	7	56.0	1748		5.025389	
4	2	7	76.9	1110		6.526590	
5	3	7	64.1	1131	1344	7.560770	
6	3	7	68.8	1370	1671	8.089364	
7	3	7	84.7	1013	1584	10.366916	
8	1	7	96.9			11.910255	

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	85.8	1399		0.517008	1
1	2	8	92.4	1135		1.517548	
2	1	8	58.2			2.402159	
3	1	8	67.4			4.630451	
4	3	8	82.6	1651	1815	4.822687	
5	2	8	96.6	1321		6.099270	
6	2	8	71.7	1158		8.227636	
7	3	8	94.8	1315	1850	9.011948	
8	3	8	57.6	1644	1398	10.618840	
9	2	8	57.8	1805		11.570000	

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	5	58.9			0.462664	1
1	1	5	83.5			0.873747	
2	3	5	86.8	1007	1601	1.831272	
3	3	5	58.8	1480	1357	2.595814	
4	3	5	67.3	1784	1889	3.384322	
5	3	5	71.6	1075	1886	3.934452	
6	1	5	64.2			4.896915	
7	1	5	64.0			5.329369	
8	2	5	98.6	1599		6.180043	
9	2	5	67.3	1549		7.453330	
10	2	5	73.4	1558		7.818895	
11	2	5	83.2	1434		8.540711	
12	3	5	76.6	1899	1768	9.189650	
13	3	5	59.1	1790	1967	9.801219	
14	2	5	59.4	1537		10.822096	
15	1	5	63.7			11.819691	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	58.4			0.565056	
1	2	10	53.4	1877		0.980534	
2	2	10	76.8	1802		1.464561	
3	2	10	87.3	1592		2.339340	
4	3	10	72.5	1440	1460	3.060334	
5	3	10	52.7	1901	1643	3.716222	
6	2	10	95.8	1967		3.892972	
7	3	10	77.7	1397	1687	4.836504	
8	2	10	72.0	1945		5.297195	
9	2	10	61.1	1801		6.208930	1
10	1	10	56.6			6.494568	
11	2	10	93.6	1818		7.153575	
12	1	10	95.8			7.969761	
13	2	10	55.2	1811		8.367203	
14	1	10	81.5			9.109135	
15	1	10	79.8			9.820221	
16	3	10	79.3	1850	1745	10.145159	
17	1	10	68.4			10.754483	
18	1	10	62.9			11.862729	

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	6	99.0	1018		0.708337	1
1	1	6	99.3			1.055530	
2	3	6	88.4	1293	1173	1.937921	
3	2	6	59.2	1269		2.516641	
4	2	6	80.2	1243		3.555305	
5	1	6	73.0			3.776121	
6	3	6	83.9	1843	1569	4.982381	
7	2	6	91.9	1586		5.483950	
8	2	6	66.7	1739		6.242288	
9	2	6	70.7	1288		7.182427	
10	2	6	76.8	1278		8.110644	
11	1	6	51.8			8.646612	
12	2	6	96.6	1392		9.101089	
13	2	6	86.4	1881		10.012073	
14	2	6	67.0	1330		11.031889	
15	3	6	91.0	1733	1995	11.742035	

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	5607.0, 5577.0, 5342.0, 5338.0, 5682.0, 5546.0, 5606.0, 5569.0, 5301.0, 5697.0, 5667.0, 5637.0, 5251.0, 5658.0, 5708.0, 5447.0, 5574.0, 5494.0, 5353.0, 5538.0, 5514.0, 5283.0, 5710.0, 5581.0, 5267.0, 5685.0, 5278.0, 5655.0, 5300.0, 5266.0, 5573.0, 5554.0, 5360.0, 5457.0, 5394.0, 5675.0, 5659.0, 5335.0, 5393.0, 5519.0, 5264.0, 5564.0, 5721.0, 5461.0, 5390.0, 5444.0, 5281.0, 5715.0, 5661.0, 5340.0, 5275.0, 5311.0, 5586.0, 5530.0, 5365.0, 5622.0, 5467.0, 5424.0, 5712.0, 5274.0, 5376.0, 5486.0, 5604.0, 5677.0, 5683.0, 5487.0, 5699.0, 5464.0, 5348.0, 5256.0, 5493.0, 5681.0, 5295.0, 5318.0, 5672.0, 5412.0, 5720.0, 5480.0, 5689.0, 5593.0, 5551.0, 5456.0, 5507.0, 5435.0, 5327.0, 5323.0, 5713.0, 5511.0, 5406.0, 5474.0, 5640.0, 5250.0, 5567.0, 5440.0, 5416.0, 5528.0, 5446.0, 5350.0, 5535.0, 5411.0 (number of hits: 3)
2	5500.0	9	1.0	333	1	5521.0, 5565.0, 5424.0, 5495.0, 5661.0, 5317.0, 5257.0, 5418.0, 5498.0, 5458.0, 5337.0, 5668.0, 5466.0, 5597.0, 5372.0, 5544.0, 5320.0, 5569.0, 5628.0, 5648.0, 5719.0, 5379.0, 5607.0, 5298.0, 5270.0, 5415.0, 5473.0, 5309.0, 5534.0, 5704.0, 5684.0, 5397.0, 5669.0, 5339.0, 5529.0, 5624.0, 5384.0, 5322.0, 5262.0, 5283.0, 5356.0, 5631.0, 5301.0, 5515.0, 5681.0, 5537.0, 5326.0, 5603.0, 5281.0, 5328.0, 5264.0, 5288.0, 5349.0, 5551.0, 5483.0, 5341.0, 5721.0, 5519.0, 5618.0, 5532.0, 5680.0, 5621.0, 5420.0, 5383.0, 5259.0, 5567.0, 5500.0, 5558.0, 5361.0, 5699.0, 5489.0, 5400.0, 5329.0, 5566.0, 5344.0, 5355.0, 5691.0, 5451.0, 5263.0, 5453.0, 5677.0, 5665.0, 5376.0, 5436.0, 5723.0, 5588.0, 5417.0, 5675.0, 5549.0, 5654.0, 5709.0, 5269.0, 5637.0, 5455.0, 5416.0, 5475.0, 5694.0, 5413.0, 5346.0, 5305.0 (number of hits: 3)
3	5500.0	9	1.0	333	1	5690.0, 5539.0, 5329.0, 5430.0, 5521.0, 5611.0, 5625.0, 5609.0, 5290.0, 5440.0, 5487.0, 5461.0, 5595.0, 5581.0, 5269.0, 5431.0, 5341.0, 5439.0, 5620.0, 5405.0, 5328.0, 5297.0, 5266.0, 5618.0, 5466.0, 5565.0, 5330.0, 5659.0, 5428.0, 5307.0, 5457.0, 5438.0, 5308.0, 5578.0, 5612.0, 5383.0, 5622.0, 5534.0, 5662.0, 5323.0, 5265.0, 5348.0, 5403.0, 5429.0, 5626.0, 5549.0, 5607.0, 5697.0, 5721.0, 5256.0, 5391.0, 5525.0, 5377.0, 5654.0, 5441.0, 5512.0, 5707.0, 5661.0, 5255.0, 5275.0, 5540.0, 5335.0, 5614.0, 5529.0, 5283.0, 5643.0, 5596.0, 5294.0, 5483.0, 5409.0, 5285.0, 5703.0, 5252.0, 5327.0, 5679.0, 5574.0, 5260.0, 5296.0, 5652.0, 5268.0, 5644.0, 5649.0, 5501.0, 5526.0, 5556.0, 5651.0, 5568.0, 5436.0, 5499.0, 5515.0, 5577.0, 5347.0, 5673.0, 5492.0, 5713.0, 5281.0, 5309.0, 5343.0, 5591.0, 5362.0 (number of hits: 3)
4	5500.0	9	1.0	333	1	5676.0, 5302.0, 5263.0, 5288.0, 5322.0, 5281.0, 5573.0, 5385.0, 5344.0, 5581.0, 5514.0, 5280.0, 5453.0, 5422.0, 5435.0, 5698.0, 5317.0, 5564.0, 5680.0, 5684.0, 5675.0, 5382.0, 5499.0, 5451.0, 5470.0, 5661.0, 5407.0, 5654.0, 5303.0, 5354.0, 5577.0, 5638.0, 5603.0, 5351.0, 5308.0, 5542.0, 5381.0, 5685.0, 5606.0, 5312.0, 5356.0, 5319.0, 5480.0, 5533.0, 5359.0, 5409.0, 5400.0, 5426.0, 5567.0, 5548.0, 5371.0, 5331.0, 5290.0, 5496.0, 5512.0, 5650.0, 5413.0, 5507.0, 5696.0, 5446.0, 5437.0, 5336.0, 5485.0, 5681.0, 5625.0, 5364.0, 5375.0, 5283.0, 5663.0, 5265.0, 5609.0, 5254.0, 5683.0, 5612.0, 5600.0, 5438.0, 5587.0, 5559.0, 5484.0, 5677.0, 5519.0, 5353.0, 5271.0, 5325.0, 5440.0, 5620.0, 5570.0, 5416.0, 5709.0, 5398.0, 5561.0, 5306.0, 5374.0, 5369.0, 5388.0, 5362.0, 5505.0, 5340.0, 5569.0, 5278.0 (number of hits: 4)
5	5500.0	9	1.0	333	1	5432.0, 5615.0, 5433.0, 5467.0, 5542.0, 5482.0, 5350.0, 5584.0, 5373.0, 5356.0, 5504.0, 5610.0, 5351.0, 5272.0, 5386.0, 5327.0, 5427.0, 5667.0, 5539.0, 5498.0, 5408.0, 5434.0, 5339.0, 5411.0,

						5550.0, 5456.0, 5566.0, 5374.0, 5588.0, 5508.0, 5670.0, 5300.0, 5287.0, 5653.0, 5575.0, 5676.0, 5306.0, 5368.0, 5576.0, 5641.0, 5532.0, 5690.0, 5513.0, 5664.0, 5712.0, 5486.0, 5500.0, 5326.0, 5487.0, 5315.0, 5602.0, 5682.0, 5688.0, 5376.0, 5526.0, 5559.0, 5637.0, 5422.0, 5464.0, 5549.0, 5419.0, 5264.0, 5522.0, 5706.0, 5404.0, 5380.0, 5711.0, 5257.0, 5286.0, 5399.0, 5647.0, 5674.0, 5403.0, 5308.0, 5579.0, 5428.0, 5277.0, 5605.0, 5440.0, 5475.0, 5290.0, 5344.0, 5418.0, 5654.0, 5372.0, 5261.0, 5312.0, 5391.0, 5299.0, 5362.0, 5713.0, 5311.0, 5469.0, 5698.0, 5643.0, 5415.0, 5444.0, 5349.0, 5305.0, 5347.0 (number of hits: 3)
6	5500.0	9	1.0	333	1	5627.0, 5340.0, 5366.0, 5599.0, 5405.0, 5258.0, 5642.0, 5700.0, 5503.0, 5333.0, 5526.0, 5358.0, 5527.0, 5591.0, 5720.0, 5549.0, 5396.0, 5289.0, 5321.0, 5471.0, 5360.0, 5601.0, 5384.0, 5297.0, 5643.0, 5497.0, 5708.0, 5626.0, 5337.0, 5565.0, 5421.0, 5464.0, 5336.0, 5395.0, 5351.0, 5370.0, 5684.0, 5341.0, 5593.0, 5724.0, 5267.0, 5374.0, 5701.0, 5663.0, 5475.0, 5485.0, 5712.0, 5691.0, 5383.0, 5436.0, 5718.0, 5631.0, 5251.0, 5429.0, 5371.0, 5676.0, 5338.0, 5608.0, 5361.0, 5662.0, 5253.0, 5332.0, 5445.0, 5652.0, 5363.0, 5667.0, 5576.0, 5580.0, 5364.0, 5507.0, 5500.0, 5555.0, 5476.0, 5587.0, 5299.0, 5492.0, 5291.0, 5683.0, 5426.0, 5462.0, 5716.0, 5276.0, 5423.0, 5551.0, 5390.0, 5581.0, 5282.0, 5707.0, 5548.0, 5603.0, 5571.0, 5461.0, 5624.0, 5697.0, 5434.0, 5456.0, 5285.0, 5543.0, 5450.0, 5306.0 (number of hits: 5)
7	5500.0	9	1.0	333	1	5641.0, 5466.0, 5659.0, 5475.0, 5505.0, 5331.0, 5290.0, 5280.0, 5328.0, 5267.0, 5355.0, 5517.0, 5454.0, 5635.0, 5597.0, 5569.0, 5511.0, 5394.0, 5669.0, 5606.0, 5458.0, 5482.0, 5305.0, 5259.0, 5252.0, 5478.0, 5565.0, 5582.0, 5523.0, 5471.0, 5626.0, 5327.0, 5337.0, 5561.0, 5304.0, 5708.0, 5506.0, 5689.0, 5441.0, 5696.0, 5480.0, 5356.0, 5427.0, 5470.0, 5581.0, 5391.0, 5254.0, 5657.0, 5349.0, 5578.0, 5402.0, 5498.0, 5543.0, 5491.0, 5665.0, 5528.0, 5670.0, 5445.0, 5260.0, 5334.0, 5483.0, 5375.0, 5297.0, 5343.0, 5673.0, 5400.0, 5457.0, 5412.0, 5584.0, 5598.0, 5294.0, 5692.0, 5340.0, 5368.0, 5390.0, 5563.0, 5723.0, 5698.0, 5374.0, 5564.0, 5433.0, 5612.0, 5420.0, 5286.0, 5688.0, 5608.0, 5699.0, 5354.0, 5522.0, 5589.0, 5625.0, 5642.0, 5289.0, 5576.0, 5677.0, 5572.0, 5432.0, 5295.0, 5601.0, 5690.0 (number of hits: 3)
8	5500.0	9	1.0	333	1	5561.0, 5668.0, 5258.0, 5558.0, 5570.0, 5399.0, 5708.0, 5519.0, 5330.0, 5287.0, 5633.0, 5365.0, 5721.0, 5341.0, 5641.0, 5576.0, 5690.0, 5572.0, 5434.0, 5628.0, 5604.0, 5663.0, 5427.0, 5474.0, 5540.0, 5490.0, 5696.0, 5565.0, 5689.0, 5489.0, 5498.0, 5378.0, 5361.0, 5458.0, 5283.0, 5355.0, 5564.0, 5430.0, 5496.0, 5251.0, 5660.0, 5617.0, 5261.0, 5723.0, 5379.0, 5404.0, 5329.0, 5720.0, 5256.0, 5411.0, 5336.0, 5719.0, 5335.0, 5460.0, 5527.0, 5383.0, 5643.0, 5717.0, 5679.0, 5513.0, 5420.0, 5264.0, 5376.0, 5613.0, 5567.0, 5484.0, 5294.0, 5461.0, 5699.0, 5563.0, 5574.0, 5466.0, 5397.0, 5260.0, 5384.0, 5388.0, 5255.0, 5520.0, 5553.0, 5669.0, 5368.0, 5272.0, 5680.0, 5289.0, 5482.0, 5674.0, 5672.0, 5477.0, 5402.0, 5288.0, 5345.0, 5517.0, 5716.0, 5586.0, 5303.0, 5443.0, 5632.0, 5300.0, 5661.0, 5611.0 (number of hits: 2)
9	5500.0	9	1.0	333	1	5686.0, 5468.0, 5484.0, 5722.0, 5447.0, 5696.0, 5643.0, 5540.0, 5580.0, 5505.0, 5393.0, 5351.0, 5539.0, 5532.0, 5650.0, 5576.0, 5588.0, 5336.0, 5265.0, 5420.0, 5316.0, 5592.0, 5360.0, 5341.0, 5624.0, 5301.0, 5327.0, 5544.0, 5306.0, 5504.0, 5392.0, 5564.0, 5294.0, 5399.0, 5610.0, 5525.0, 5452.0, 5565.0, 5276.0, 5487.0, 5711.0, 5251.0, 5273.0, 5717.0, 5255.0, 5608.0, 5439.0, 5373.0, 5528.0, 5637.0, 5597.0, 5554.0, 5646.0, 5403.0, 5627.0, 5524.0, 5318.0, 5579.0, 5507.0, 5278.0, 5618.0, 5674.0, 5604.0, 5467.0, 5295.0, 5482.0, 5684.0, 5267.0, 5331.0, 5488.0, 5639.0, 5567.0, 5320.0, 5387.0, 5555.0, 5363.0, 5379.0, 5622.0, 5552.0, 5658.0, 5605.0, 5616.0, 5675.0, 5513.0, 5690.0, 5361.0, 5538.0, 5266.0, 5476.0, 5445.0, 5715.0, 5640.0, 5286.0, 5328.0, 5680.0, 5529.0,

						5570.0, 5699.0, 5490.0, 5629.0 (number of hits: 3)
10	5500.0	9	1.0	333	1	5364.0, 5543.0, 5564.0, 5512.0, 5256.0, 5295.0, 5399.0, 5707.0, 5383.0, 5374.0, 5663.0, 5547.0, 5473.0, 5264.0, 5366.0, 5397.0, 5359.0, 5390.0, 5595.0, 5594.0, 5692.0, 5651.0, 5698.0, 5369.0, 5682.0, 5667.0, 5608.0, 5380.0, 5427.0, 5328.0, 5269.0, 5614.0, 5524.0, 5569.0, 5404.0, 5559.0, 5343.0, 5557.0, 5303.0, 5544.0, 5573.0, 5531.0, 5640.0, 5657.0, 5365.0, 5648.0, 5279.0, 5299.0, 5315.0, 5480.0, 5419.0, 5607.0, 5394.0, 5253.0, 5490.0, 5396.0, 5452.0, 5497.0, 5484.0, 5317.0, 5587.0, 5391.0, 5671.0, 5603.0, 5612.0, 5619.0, 5447.0, 5510.0, 5263.0, 5259.0, 5545.0, 5685.0, 5713.0, 5434.0, 5385.0, 5292.0, 5716.0, 5525.0, 5495.0, 5664.0, 5572.0, 5297.0, 5504.0, 5500.0, 5674.0, 5491.0, 5586.0, 5414.0, 5418.0, 5516.0, 5680.0, 5442.0, 5421.0, 5540.0, 5628.0, 5444.0, 5474.0, 5306.0, 5273.0, 5523.0 (number of hits: 4)
11	5500.0	9	1.0	333	1	5445.0, 5542.0, 5521.0, 5586.0, 5350.0, 5635.0, 5404.0, 5332.0, 5255.0, 5441.0, 5645.0, 5688.0, 5707.0, 5370.0, 5273.0, 5615.0, 5504.0, 5450.0, 5368.0, 5371.0, 5348.0, 5722.0, 5578.0, 5599.0, 5306.0, 5462.0, 5263.0, 5574.0, 5361.0, 5254.0, 5317.0, 5476.0, 5295.0, 5275.0, 5524.0, 5464.0, 5539.0, 5678.0, 5375.0, 5625.0, 5629.0, 5535.0, 5519.0, 5685.0, 5698.0, 5617.0, 5495.0, 5467.0, 5601.0, 5616.0, 5420.0, 5437.0, 5506.0, 5336.0, 5440.0, 5623.0, 5301.0, 5451.0, 5470.0, 5712.0, 5360.0, 5667.0, 5298.0, 5589.0, 5590.0, 5397.0, 5500.0, 5439.0, 5484.0, 5609.0, 5290.0, 5507.0, 5403.0, 5580.0, 5401.0, 5346.0, 5261.0, 5454.0, 5551.0, 5513.0, 5649.0, 5683.0, 5423.0, 5496.0, 5347.0, 5288.0, 5259.0, 5302.0, 5327.0, 5328.0, 5407.0, 5600.0, 5536.0, 5612.0, 5584.0, 5272.0, 5463.0, 5566.0, 5289.0, 5548.0 (number of hits: 6)
12	5500.0	9	1.0	333	1	5390.0, 5437.0, 5646.0, 5481.0, 5709.0, 5285.0, 5487.0, 5629.0, 5440.0, 5368.0, 5533.0, 5625.0, 5356.0, 5308.0, 5380.0, 5687.0, 5549.0, 5365.0, 5315.0, 5659.0, 5571.0, 5717.0, 5355.0, 5325.0, 5352.0, 5579.0, 5448.0, 5561.0, 5407.0, 5472.0, 5704.0, 5379.0, 5279.0, 5618.0, 5630.0, 5301.0, 5560.0, 5423.0, 5291.0, 5619.0, 5508.0, 5598.0, 5426.0, 5647.0, 5273.0, 5515.0, 5276.0, 5462.0, 5503.0, 5539.0, 5300.0, 5594.0, 5439.0, 5436.0, 5366.0, 5316.0, 5373.0, 5658.0, 5286.0, 5305.0, 5369.0, 5680.0, 5405.0, 5475.0, 5371.0, 5410.0, 5688.0, 5527.0, 5367.0, 5302.0, 5606.0, 5537.0, 5715.0, 5353.0, 5280.0, 5268.0, 5655.0, 5384.0, 5514.0, 5457.0, 5363.0, 5501.0, 5321.0, 5417.0, 5643.0, 5645.0, 5297.0, 5569.0, 5650.0, 5635.0, 5672.0, 5358.0, 5642.0, 5548.0, 5700.0, 5298.0, 5483.0, 5342.0, 5554.0, 5714.0 (number of hits: 2)
13	5500.0	9	1.0	333	1	5346.0, 5363.0, 5632.0, 5350.0, 5389.0, 5325.0, 5307.0, 5335.0, 5535.0, 5586.0, 5640.0, 5306.0, 5709.0, 5518.0, 5531.0, 5646.0, 5576.0, 5609.0, 5293.0, 5274.0, 5712.0, 5724.0, 5583.0, 5477.0, 5680.0, 5262.0, 5374.0, 5301.0, 5679.0, 5688.0, 5526.0, 5657.0, 5669.0, 5594.0, 5699.0, 5601.0, 5681.0, 5328.0, 5395.0, 5618.0, 5283.0, 5457.0, 5498.0, 5556.0, 5474.0, 5462.0, 5460.0, 5310.0, 5300.0, 5440.0, 5257.0, 5382.0, 5271.0, 5304.0, 5602.0, 5329.0, 5495.0, 5577.0, 5664.0, 5570.0, 5428.0, 5276.0, 5692.0, 5639.0, 5255.0, 5584.0, 5697.0, 5593.0, 5260.0, 5296.0, 5512.0, 5371.0, 5361.0, 5358.0, 5627.0, 5684.0, 5419.0, 5353.0, 5317.0, 5595.0, 5470.0, 5407.0, 5652.0, 5292.0, 5349.0, 5557.0, 5364.0, 5603.0, 5514.0, 5479.0, 5478.0, 5456.0, 5506.0, 5565.0, 5537.0, 5721.0, 5592.0, 5281.0, 5354.0, 5528.0 (number of hits: 3)
14	5500.0	9	1.0	333	1	5290.0, 5719.0, 5696.0, 5272.0, 5409.0, 5277.0, 5582.0, 5672.0, 5553.0, 5720.0, 5437.0, 5433.0, 5322.0, 5566.0, 5640.0, 5606.0, 5699.0, 5402.0, 5549.0, 5347.0, 5644.0, 5603.0, 5298.0, 5452.0, 5479.0, 5574.0, 5671.0, 5599.0, 5273.0, 5380.0, 5683.0, 5381.0, 5335.0, 5625.0, 5645.0, 5451.0, 5358.0, 5367.0, 5504.0, 5268.0, 5486.0, 5406.0, 5602.0, 5375.0, 5368.0, 5575.0, 5481.0, 5441.0, 5263.0, 5651.0, 5376.0, 5529.0, 5507.0, 5656.0, 5627.0, 5565.0, 5471.0, 5532.0, 5387.0, 5485.0, 5607.0, 5327.0, 5650.0, 5609.0,

						5488.0, 5337.0, 5483.0, 5362.0, 5558.0, 5544.0, 5560.0, 5355.0, 5579.0, 5275.0, 5571.0, 5634.0, 5591.0, 5666.0, 5316.0, 5417.0, 5385.0, 5338.0, 5278.0, 5522.0, 5592.0, 5698.0, 5297.0, 5403.0, 5256.0, 5535.0, 5294.0, 5318.0, 5705.0, 5563.0, 5521.0, 5707.0, 5633.0, 5616.0, 5530.0, 5333.0 (number of hits: 2)
15	5500.0	9	1.0	333	1	5609.0, 5583.0, 5637.0, 5442.0, 5591.0, 5474.0, 5401.0, 5327.0, 5697.0, 5340.0, 5486.0, 5622.0, 5310.0, 5611.0, 5400.0, 5568.0, 5390.0, 5251.0, 5672.0, 5331.0, 5689.0, 5337.0, 5660.0, 5521.0, 5652.0, 5717.0, 5305.0, 5437.0, 5557.0, 5419.0, 5515.0, 5427.0, 5482.0, 5627.0, 5455.0, 5388.0, 5298.0, 5639.0, 5380.0, 5595.0, 5561.0, 5275.0, 5254.0, 5329.0, 5258.0, 5350.0, 5651.0, 5302.0, 5633.0, 5259.0, 5324.0, 5524.0, 5669.0, 5718.0, 5335.0, 5334.0, 5464.0, 5314.0, 5460.0, 5556.0, 5393.0, 5391.0, 5342.0, 5598.0, 5367.0, 5267.0, 5698.0, 5576.0, 5600.0, 5438.0, 5299.0, 5596.0, 5692.0, 5701.0, 5620.0, 5519.0, 5385.0, 5425.0, 5708.0, 5256.0, 5678.0, 5720.0, 5671.0, 5471.0, 5466.0, 5292.0, 5566.0, 5260.0, 5532.0, 5359.0, 5554.0, 5345.0, 5319.0, 5562.0, 5369.0, 5357.0, 5264.0, 5559.0, 5713.0, 5507.0 (number of hits: 1)
16	5500.0	9	1.0	333	0	
17	5500.0	9	1.0	333	1	5648.0, 5338.0, 5286.0, 5575.0, 5449.0, 5426.0, 5253.0, 5260.0, 5413.0, 5605.0, 5578.0, 5356.0, 5350.0, 5397.0, 5677.0, 5465.0, 5464.0, 5631.0, 5395.0, 5374.0, 5289.0, 5502.0, 5562.0, 5377.0, 5269.0, 5364.0, 5624.0, 5622.0, 5630.0, 5417.0, 5528.0, 5657.0, 5505.0, 5301.0, 5415.0, 5701.0, 5645.0, 5639.0, 5606.0, 5650.0, 5621.0, 5610.0, 5357.0, 5670.0, 5540.0, 5548.0, 5600.0, 5601.0, 5331.0, 5700.0, 5702.0, 5311.0, 5680.0, 5573.0, 5565.0, 5326.0, 5266.0, 5643.0, 5304.0, 5671.0, 5713.0, 5479.0, 5495.0, 5693.0, 5461.0, 5666.0, 5406.0, 5434.0, 5295.0, 5484.0, 5721.0, 5457.0, 5485.0, 5536.0, 5535.0, 5344.0, 5284.0, 5332.0, 5619.0, 5447.0, 5340.0, 5708.0, 5676.0, 5287.0, 5663.0, 5604.0, 5541.0, 5411.0, 5292.0, 5658.0, 5370.0, 5306.0, 5683.0, 5330.0, 5285.0, 5615.0, 5620.0, 5274.0, 5685.0, 5710.0 (number of hits: 3)
18	5500.0	9	1.0	333	1	5253.0, 5320.0, 5695.0, 5294.0, 5578.0, 5629.0, 5389.0, 5404.0, 5600.0, 5397.0, 5706.0, 5621.0, 5365.0, 5561.0, 5300.0, 5723.0, 5319.0, 5430.0, 5693.0, 5271.0, 5434.0, 5696.0, 5376.0, 5563.0, 5479.0, 5633.0, 5341.0, 5537.0, 5429.0, 5288.0, 5447.0, 5268.0, 5577.0, 5369.0, 5690.0, 5496.0, 5644.0, 5439.0, 5587.0, 5676.0, 5637.0, 5256.0, 5663.0, 5595.0, 5658.0, 5361.0, 5527.0, 5492.0, 5462.0, 5278.0, 5645.0, 5426.0, 5302.0, 5382.0, 5650.0, 5592.0, 5503.0, 5683.0, 5620.0, 5448.0, 5332.0, 5551.0, 5289.0, 5542.0, 5572.0, 5419.0, 5307.0, 5379.0, 5273.0, 5282.0, 5674.0, 5628.0, 5348.0, 5483.0, 5712.0, 5487.0, 5589.0, 5371.0, 5666.0, 5586.0, 5459.0, 5457.0, 5446.0, 5611.0, 5467.0, 5687.0, 5481.0, 5363.0, 5374.0, 5477.0, 5688.0, 5356.0, 5362.0, 5518.0, 5618.0, 5308.0, 5705.0, 5626.0, 5260.0, 5485.0 (number of hits: 3)
19	5500.0	9	1.0	333	1	5524.0, 5502.0, 5319.0, 5647.0, 5549.0, 5377.0, 5428.0, 5439.0, 5628.0, 5280.0, 5312.0, 5667.0, 5614.0, 5381.0, 5561.0, 5417.0, 5660.0, 5483.0, 5585.0, 5250.0, 5697.0, 5710.0, 5601.0, 5506.0, 5632.0, 5593.0, 5554.0, 5453.0, 5717.0, 5274.0, 5514.0, 5438.0, 5654.0, 5662.0, 5604.0, 5296.0, 5602.0, 5545.0, 5609.0, 5419.0, 5544.0, 5573.0, 5592.0, 5331.0, 5553.0, 5702.0, 5421.0, 5263.0, 5546.0, 5376.0, 5450.0, 5535.0, 5711.0, 5317.0, 5365.0, 5291.0, 5521.0, 5332.0, 5307.0, 5400.0, 5405.0, 5326.0, 5664.0, 5355.0, 5306.0, 5335.0, 5380.0, 5504.0, 5398.0, 5658.0, 5255.0, 5686.0, 5703.0, 5463.0, 5603.0, 5270.0, 5445.0, 5668.0, 5370.0, 5718.0, 5322.0, 5620.0, 5720.0, 5330.0, 5373.0, 5493.0, 5494.0, 5653.0, 5681.0, 5525.0, 5344.0, 5490.0, 5596.0, 5258.0, 5631.0, 5587.0, 5316.0, 5661.0, 5678.0, 5527.0 (number of hits: 5)
20	5500.0	9	1.0	333	1	5690.0, 5450.0, 5308.0, 5288.0, 5579.0, 5594.0, 5654.0, 5650.0, 5293.0, 5676.0, 5371.0, 5545.0, 5416.0, 5523.0, 5632.0, 5598.0, 5250.0, 5306.0, 5721.0, 5716.0, 5702.0, 5422.0, 5591.0, 5722.0,

						5342.0, 5345.0, 5571.0, 5704.0, 5569.0, 5435.0, 5365.0, 5505.0, 5290.0, 5442.0, 5446.0, 5390.0, 5265.0, 5613.0, 5427.0, 5317.0, 5649.0, 5411.0, 5593.0, 5635.0, 5343.0, 5267.0, 5322.0, 5297.0, 5642.0, 5660.0, 5723.0, 5294.0, 5436.0, 5417.0, 5646.0, 5677.0, 5570.0, 5339.0, 5380.0, 5516.0, 5694.0, 5687.0, 5583.0, 5434.0, 5428.0, 5517.0, 5519.0, 5527.0, 5271.0, 5541.0, 5467.0, 5490.0, 5321.0, 5480.0, 5520.0, 5332.0, 5459.0, 5652.0, 5449.0, 5539.0, 5714.0, 5356.0, 5335.0, 5554.0, 5547.0, 5575.0, 5540.0, 5359.0, 5701.0, 5438.0, 5397.0, 5284.0, 5566.0, 5481.0, 5337.0, 5578.0, 5577.0, 5473.0, 5300.0, 5614.0 (number of hits: 1)
21	5500.0	9	1.0	333	1	5524.0, 5464.0, 5304.0, 5592.0, 5431.0, 5666.0, 5617.0, 5663.0, 5413.0, 5494.0, 5263.0, 5299.0, 5465.0, 5651.0, 5596.0, 5332.0, 5518.0, 5616.0, 5272.0, 5529.0, 5632.0, 5421.0, 5658.0, 5559.0, 5468.0, 5703.0, 5433.0, 5504.0, 5410.0, 5376.0, 5276.0, 5583.0, 5454.0, 5556.0, 5294.0, 5321.0, 5451.0, 5718.0, 5384.0, 5687.0, 5314.0, 5479.0, 5530.0, 5252.0, 5251.0, 5256.0, 5692.0, 5268.0, 5415.0, 5425.0, 5327.0, 5682.0, 5462.0, 5390.0, 5665.0, 5480.0, 5639.0, 5569.0, 5533.0, 5495.0, 5510.0, 5443.0, 5516.0, 5348.0, 5485.0, 5503.0, 5346.0, 5330.0, 5448.0, 5283.0, 5391.0, 5672.0, 5436.0, 5329.0, 5640.0, 5488.0, 5531.0, 5278.0, 5700.0, 5306.0, 5591.0, 5671.0, 5505.0, 5542.0, 5319.0, 5284.0, 5333.0, 5298.0, 5381.0, 5641.0, 5486.0, 5430.0, 5561.0, 5623.0, 5282.0, 5635.0, 5491.0, 5370.0, 5343.0, 5508.0 (number of hits: 5)
22	5500.0	9	1.0	333	1	5674.0, 5666.0, 5620.0, 5377.0, 5615.0, 5598.0, 5478.0, 5481.0, 5583.0, 5550.0, 5713.0, 5335.0, 5510.0, 5525.0, 5414.0, 5603.0, 5623.0, 5422.0, 5483.0, 5697.0, 5359.0, 5568.0, 5661.0, 5669.0, 5329.0, 5250.0, 5351.0, 5521.0, 5509.0, 5415.0, 5709.0, 5695.0, 5593.0, 5339.0, 5496.0, 5559.0, 5647.0, 5301.0, 5580.0, 5443.0, 5398.0, 5260.0, 5610.0, 5460.0, 5564.0, 5302.0, 5612.0, 5667.0, 5308.0, 5701.0, 5373.0, 5469.0, 5659.0, 5259.0, 5629.0, 5572.0, 5705.0, 5263.0, 5689.0, 5703.0, 5296.0, 5318.0, 5433.0, 5287.0, 5371.0, 5549.0, 5613.0, 5479.0, 5633.0, 5270.0, 5622.0, 5399.0, 5648.0, 5553.0, 5668.0, 5372.0, 5362.0, 5491.0, 5700.0, 5707.0, 5526.0, 5702.0, 5670.0, 5617.0, 5602.0, 5664.0, 5571.0, 5563.0, 5307.0, 5311.0, 5537.0, 5618.0, 5284.0, 5592.0, 5470.0, 5704.0, 5600.0, 5718.0, 5616.0, 5582.0 (number of hits: 1)
23	5500.0	9	1.0	333	1	5357.0, 5500.0, 5351.0, 5311.0, 5411.0, 5700.0, 5515.0, 5251.0, 5395.0, 5501.0, 5316.0, 5509.0, 5346.0, 5702.0, 5590.0, 5705.0, 5416.0, 5619.0, 5447.0, 5259.0, 5276.0, 5343.0, 5313.0, 5371.0, 5467.0, 5574.0, 5473.0, 5499.0, 5310.0, 5367.0, 5297.0, 5532.0, 5573.0, 5580.0, 5685.0, 5350.0, 5668.0, 5458.0, 5688.0, 5493.0, 5706.0, 5719.0, 5698.0, 5257.0, 5368.0, 5618.0, 5430.0, 5455.0, 5300.0, 5527.0, 5551.0, 5638.0, 5477.0, 5415.0, 5643.0, 5436.0, 5390.0, 5596.0, 5604.0, 5475.0, 5680.0, 5714.0, 5398.0, 5571.0, 5576.0, 5295.0, 5253.0, 5354.0, 5422.0, 5655.0, 5605.0, 5560.0, 5420.0, 5507.0, 5355.0, 5268.0, 5270.0, 5597.0, 5612.0, 5569.0, 5670.0, 5319.0, 5525.0, 5609.0, 5331.0, 5557.0, 5421.0, 5388.0, 5658.0, 5663.0, 5648.0, 5269.0, 5615.0, 5568.0, 5592.0, 5454.0, 5562.0, 5332.0, 5474.0, 5470.0 (number of hits: 5)
24	5500.0	9	1.0	333	1	5319.0, 5579.0, 5396.0, 5347.0, 5668.0, 5662.0, 5721.0, 5353.0, 5403.0, 5277.0, 5360.0, 5334.0, 5504.0, 5320.0, 5272.0, 5697.0, 5494.0, 5538.0, 5420.0, 5486.0, 5657.0, 5688.0, 5488.0, 5531.0, 5381.0, 5581.0, 5651.0, 5580.0, 5350.0, 5617.0, 5316.0, 5305.0, 5680.0, 5328.0, 5718.0, 5586.0, 5569.0, 5371.0, 5565.0, 5292.0, 5495.0, 5282.0, 5620.0, 5472.0, 5563.0, 5713.0, 5474.0, 5624.0, 5375.0, 5613.0, 5271.0, 5585.0, 5430.0, 5457.0, 5528.0, 5398.0, 5469.0, 5546.0, 5364.0, 5568.0, 5711.0, 5289.0, 5437.0, 5322.0, 5411.0, 5466.0, 5560.0, 5431.0, 5578.0, 5719.0, 5550.0, 5557.0, 5571.0, 5351.0, 5661.0, 5527.0, 5584.0, 5280.0, 5268.0, 5491.0, 5507.0, 5592.0, 5630.0, 5628.0, 5720.0, 5262.0, 5723.0, 5679.0, 5589.0, 5291.0, 5692.0, 5399.0, 5310.0, 5677.0, 5304.0, 5407.0,

						5500.0, 5516.0, 5611.0, 5554.0 (number of hits: 5)
25	5500.0	9	1.0	333	1	5273.0, 5285.0, 5383.0, 5609.0, 5370.0, 5400.0, 5284.0, 5462.0, 5626.0, 5516.0, 5377.0, 5655.0, 5546.0, 5361.0, 5439.0, 5538.0, 5380.0, 5556.0, 5269.0, 5699.0, 5601.0, 5290.0, 5526.0, 5437.0, 5359.0, 5539.0, 5680.0, 5412.0, 5722.0, 5532.0, 5442.0, 5663.0, 5643.0, 5328.0, 5500.0, 5314.0, 5723.0, 5336.0, 5482.0, 5687.0, 5253.0, 5416.0, 5542.0, 5652.0, 5701.0, 5570.0, 5641.0, 5344.0, 5337.0, 5296.0, 5444.0, 5620.0, 5422.0, 5630.0, 5656.0, 5391.0, 5389.0, 5695.0, 5653.0, 5617.0, 5586.0, 5567.0, 5619.0, 5351.0, 5634.0, 5549.0, 5718.0, 5638.0, 5480.0, 5483.0, 5354.0, 5426.0, 5661.0, 5721.0, 5610.0, 5307.0, 5295.0, 5404.0, 5346.0, 5640.0, 5449.0, 5495.0, 5591.0, 5373.0, 5515.0, 5306.0, 5598.0, 5349.0, 5371.0, 5266.0, 5684.0, 5651.0, 5614.0, 5507.0, 5386.0, 5312.0, 5665.0, 5558.0, 5616.0, 5431.0 (number of hits: 3)
26	5500.0	9	1.0	333	0	
27	5500.0	9	1.0	333	1	5705.0, 5720.0, 5706.0, 5314.0, 5388.0, 5694.0, 5261.0, 5477.0, 5519.0, 5680.0, 5374.0, 5604.0, 5341.0, 5415.0, 5617.0, 5602.0, 5386.0, 5711.0, 5723.0, 5682.0, 5625.0, 5536.0, 5425.0, 5607.0, 5616.0, 5350.0, 5335.0, 5572.0, 5292.0, 5605.0, 5652.0, 5483.0, 5696.0, 5598.0, 5438.0, 5423.0, 5622.0, 5608.0, 5371.0, 5544.0, 5364.0, 5656.0, 5385.0, 5517.0, 5330.0, 5628.0, 5361.0, 5521.0, 5267.0, 5691.0, 5259.0, 5407.0, 5552.0, 5579.0, 5649.0, 5697.0, 5465.0, 5270.0, 5633.0, 5555.0, 5443.0, 5707.0, 5283.0, 5630.0, 5462.0, 5463.0, 5556.0, 5448.0, 5657.0, 5278.0, 5375.0, 5562.0, 5524.0, 5557.0, 5427.0, 5651.0, 5631.0, 5686.0, 5513.0, 5372.0, 5344.0, 5472.0, 5655.0, 5450.0, 5609.0, 5429.0, 5396.0, 5320.0, 5433.0, 5506.0, 5644.0, 5404.0, 5317.0, 5387.0, 5286.0, 5273.0, 5254.0, 5500.0, 5262.0, 5458.0 (number of hits: 2)
28	5500.0	9	1.0	333	1	5322.0, 5603.0, 5480.0, 5719.0, 5595.0, 5393.0, 5281.0, 5610.0, 5416.0, 5420.0, 5427.0, 5339.0, 5412.0, 5683.0, 5563.0, 5625.0, 5665.0, 5707.0, 5474.0, 5517.0, 5537.0, 5410.0, 5502.0, 5688.0, 5312.0, 5309.0, 5355.0, 5618.0, 5455.0, 5679.0, 5298.0, 5329.0, 5613.0, 5440.0, 5632.0, 5575.0, 5485.0, 5558.0, 5411.0, 5373.0, 5536.0, 5647.0, 5637.0, 5451.0, 5520.0, 5585.0, 5506.0, 5448.0, 5678.0, 5353.0, 5608.0, 5316.0, 5513.0, 5708.0, 5634.0, 5624.0, 5681.0, 5493.0, 5439.0, 5382.0, 5306.0, 5516.0, 5530.0, 5408.0, 5492.0, 5589.0, 5273.0, 5673.0, 5602.0, 5422.0, 5365.0, 5685.0, 5674.0, 5349.0, 5369.0, 5370.0, 5461.0, 5698.0, 5429.0, 5609.0, 5663.0, 5297.0, 5287.0, 5395.0, 5390.0, 5696.0, 5611.0, 5701.0, 5551.0, 5421.0, 5291.0, 5587.0, 5567.0, 5573.0, 5574.0, 5283.0, 5469.0, 5533.0, 5434.0, 5302.0 (number of hits: 4)
29	5500.0	9	1.0	333	1	5297.0, 5302.0, 5668.0, 5652.0, 5657.0, 5424.0, 5374.0, 5556.0, 5375.0, 5628.0, 5472.0, 5549.0, 5334.0, 5251.0, 5674.0, 5545.0, 5281.0, 5264.0, 5579.0, 5312.0, 5562.0, 5601.0, 5306.0, 5322.0, 5484.0, 5603.0, 5568.0, 5336.0, 5337.0, 5521.0, 5640.0, 5558.0, 5710.0, 5292.0, 5513.0, 5502.0, 5458.0, 5551.0, 5401.0, 5351.0, 5309.0, 5315.0, 5388.0, 5656.0, 5606.0, 5580.0, 5372.0, 5658.0, 5618.0, 5468.0, 5274.0, 5567.0, 5608.0, 5360.0, 5326.0, 5715.0, 5541.0, 5320.0, 5646.0, 5499.0, 5429.0, 5620.0, 5681.0, 5377.0, 5340.0, 5431.0, 5443.0, 5471.0, 5591.0, 5461.0, 5467.0, 5252.0, 5604.0, 5653.0, 5662.0, 5308.0, 5605.0, 5266.0, 5277.0, 5397.0, 5602.0, 5474.0, 5531.0, 5696.0, 5574.0, 5491.0, 5614.0, 5511.0, 5651.0, 5453.0, 5648.0, 5324.0, 5255.0, 5382.0, 5480.0, 5535.0, 5389.0, 5613.0, 5573.0, 5333.0 (number of hits: 2)
30	5500.0	9	1.0	333	1	5357.0, 5352.0, 5590.0, 5266.0, 5454.0, 5648.0, 5674.0, 5256.0, 5374.0, 5506.0, 5421.0, 5696.0, 5514.0, 5360.0, 5474.0, 5462.0, 5393.0, 5367.0, 5416.0, 5263.0, 5475.0, 5365.0, 5290.0, 5251.0, 5453.0, 5267.0, 5275.0, 5481.0, 5278.0, 5424.0, 5592.0, 5400.0, 5457.0, 5448.0, 5483.0, 5540.0, 5413.0, 5274.0, 5344.0, 5280.0, 5373.0, 5315.0, 5364.0, 5335.0, 5547.0, 5534.0, 5571.0, 5519.0, 5292.0, 5338.0, 5270.0, 5325.0, 5507.0, 5407.0, 5611.0, 5641.0,

						5281.0, 5583.0, 5363.0, 5584.0, 5459.0, 5602.0, 5401.0, 5597.0, 5566.0, 5711.0, 5509.0, 5588.0, 5626.0, 5443.0, 5449.0, 5546.0, 5686.0, 5394.0, 5614.0, 5469.0, 5282.0, 5576.0, 5489.0, 5678.0, 5472.0, 5624.0, 5633.0, 5649.0, 5320.0, 5411.0, 5414.0, 5529.0, 5536.0, 5262.0, 5305.0, 5456.0, 5713.0, 5673.0, 5303.0, 5640.0, 5466.0, 5586.0, 5616.0, 5545.0 (number of hits: 2)

P2MP Client Mode
Iron Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	86.7 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	95	1.0	558	1
2	62	1.0	858	1
3	74	1.0	718	1
4	70	1.0	758	0
5	83	1.0	638	1
6	65	1.0	818	1
7	18	1.0	3066	1
8	72	1.0	738	1
9	81	1.0	658	1
10	92	1.0	578	1
11	63	1.0	838	0
12	67	1.0	798	1
13	58	1.0	918	1
14	68	1.0	778	1
15	59	1.0	898	1
1	28	1.0	1918	1
2	26	1.0	2103	1
3	22	1.0	2495	1
4	35	1.0	1526	1
5	18	1.0	3044	0
6	28	1.0	1933	1
7	23	1.0	2359	1
8	19	1.0	2872	1
9	42	1.0	1275	1
10	28	1.0	1947	1
11	22	1.0	2404	0
12	19	1.0	2822	1
13	38	1.0	1402	1
14	32	1.0	1666	1
15	32	1.0	1688	1
Detection Percentage: 86.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	25	4.3	205	1
2	24	3.7	182	1
3	24	2.9	187	1
4	23	5.0	156	1
5	27	3.6	150	1
6	24	2.9	171	1
7	23	3.7	209	1
8	23	2.1	158	1
9	26	3.3	227	1
10	26	3.7	209	1
11	23	2.1	176	1
12	26	3.9	225	1
13	24	3.1	166	1
14	24	4.1	183	1
15	25	4.3	200	1
16	24	1.5	216	0
17	26	1.7	187	1
18	27	4.1	159	1
19	24	4.1	167	0
20	23	1.1	152	1
21	25	3.1	212	1
22	27	3.0	214	1
23	23	1.3	160	1
24	23	4.7	197	1
25	27	4.8	151	1
26	29	3.3	186	1
27	26	4.1	163	1
28	26	3.1	188	0
29	26	2.9	201	0
30	29	3.4	177	1
Detection Percentage: 86.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	8.7	495	1
2	18	6.2	414	1
3	18	6.0	400	1
4	16	8.5	444	1
5	16	10.0	214	0
6	16	8.0	488	1
7	17	7.7	431	1
8	16	6.4	366	1
9	16	8.0	496	1
10	17	7.2	322	1
11	17	9.7	379	0
12	17	9.0	365	1
13	17	8.5	474	1
14	16	6.1	344	1
15	16	8.1	487	1
16	16	7.9	309	1
17	16	8.3	214	1
18	18	8.0	391	1
19	18	8.7	320	1
20	17	7.9	422	1
21	17	9.8	355	1
22	18	8.4	209	1
23	17	8.7	367	1
24	16	7.8	307	1
25	17	8.9	282	1
26	16	6.8	415	0
27	18	6.0	351	1
28	18	7.4	366	1
29	18	8.4	234	0
30	17	7.8	485	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	16	11.5	370	1
2	15	13.3	240	1
3	16	16.2	358	1
4	16	15.6	320	0
5	13	12.8	390	1
6	14	14.1	264	1
7	16	17.8	474	1
8	16	14.3	281	1
9	14	13.3	471	1
10	16	13.5	297	1
11	15	13.0	279	1
12	12	18.7	222	0
13	16	11.2	419	0
14	15	12.5	326	1
15	16	17.7	322	1
16	16	13.4	275	1
17	13	17.0	423	0
18	14	12.4	365	1
19	15	13.9	208	1
20	13	16.5	300	1
21	12	20.0	428	0
22	14	16.1	248	1
23	15	17.0	413	1
24	15	18.1	257	1
25	16	11.1	217	0
26	12	16.4	341	1
27	15	16.0	327	1
28	12	14.2	352	0
29	13	17.5	297	1
30	15	16.5	445	1
Detection Percentage: 76.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5498.0	1
12	5494.0	1
13	5499.6	1
14	5495.2	1
15	5498.4	1
16	5498.0	1
17	5495.6	1
18	5498.8	1
19	5496.8	1
20	5498.0	1
21	5524.8	1
22	5520.8	1
23	5522.4	1
24	5523.2	1
25	5526.0	1
26	5522.8	1
27	5522.0	1
28	5523.2	1
29	5524.0	1
30	5522.8	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	61.9	1731		0.449162	
1	1	12	82.5			0.884852	
2	2	12	52.4	1737		1.397977	
3	3	12	68.4	1770	1769	2.426933	
4	2	12	80.0	1007		2.772558	
5	2	12	86.2	1637		3.743803	
6	1	12	89.2			4.280924	
7	2	12	74.2	1396		4.842114	
8	2	12	64.4	1754		5.592099	
9	3	12	52.0	1175	1873	5.901229	1
10	1	12	70.5			6.670282	
11	1	12	79.8			7.360197	
12	3	12	56.8	1863	1734	7.895619	
13	2	12	61.8	1576		8.780504	
14	2	12	91.0	1528		8.947613	
15	1	12	91.0			9.525352	
16	3	12	77.4	1571	1150	10.334703	
17	2	12	84.4	1086		11.081559	
18	2	12	53.9	1695		11.510942	

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	90.7	1450		0.277406	1
1	1	10	82.2			0.613780	
2	3	10	75.2	1615	1098	1.322856	
3	2	10	68.1	1039		2.150539	
4	2	10	58.4	1876		2.833482	
5	3	10	88.6	1343	1302	3.378710	
6	3	10	60.7	1240	1181	4.072134	
7	1	10	86.3			4.281679	
8	2	10	83.6	1220		4.927188	
9	2	10	57.3	1751		5.665071	
10	2	10	62.9	1149		6.321522	
11	3	10	77.7	1316	1200	6.760937	
12	1	10	74.4			7.724843	
13	1	10	89.7			8.130447	
14	2	10	79.7	1277		8.789550	
15	2	10	60.3	1385		9.070710	
16	2	10	66.2	1036		10.063479	
17	2	10	55.0	1299		10.548774	
18	2	10	63.0	1656		11.201554	
19	1	10	86.2			11.597133	

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	94.6			0.661501	1
1	2	7	87.2	1755		0.765853	
2	2	7	64.1	1359		2.008470	
3	2	7	55.6	1700		2.543461	
4	3	7	50.9	1254	1159	3.212092	
5	1	7	92.2			4.447830	
6	1	7	96.7			5.236220	
7	2	7	96.6	1134		5.323589	
8	1	7	59.9			6.568549	
9	2	7	92.5	1606		7.328627	
10	1	7	98.1			8.180299	
11	2	7	84.7	1274		8.403977	
12	2	7	70.5	1001		9.555399	
13	2	7	99.7	1390		9.911185	
14	2	7	61.8	1031		10.773636	
15	1	7	78.7			11.909093	

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	98.7	1128		0.248014	1
1	1	6	67.7			2.062892	
2	2	6	69.9	1545		3.411771	
3	2	6	94.5	1156		4.693866	
4	3	6	67.0	1999	1051	4.805409	
5	1	6	94.7			6.422198	
6	2	6	54.5	1195		8.078289	
7	3	6	92.1	1415	1413	8.594677	
8	2	6	59.5	1783		9.628907	
9	3	6	72.8	1816	1857	11.214807	

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	50.1	1614		0.839684	
1	1	15	74.1			1.344481	
2	1	15	84.3			2.828144	
3	2	15	66.0	1119		5.107686	
4	2	15	87.6	1726		6.576763	1
5	3	15	87.2	1667	1021	7.929172	
6	3	15	68.2	1501	1017	9.269481	
7	1	15	88.9			9.678874	
8	2	15	62.6	1326		11.686609	

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	7	53.2	1941		0.241822	
1	2	7	80.4	1187		2.392109	
2	2	7	60.1	1026		2.532163	
3	1	7	72.1			3.654028	
4	2	7	57.6	1363		5.508707	
5	1	7	78.1			6.183364	1
6	3	7	98.1	1804	1029	8.246566	
7	3	7	73.4	1064	1592	8.846218	
8	1	7	77.7			10.019518	
9	2	7	63.9	1096		11.035467	

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	81.8			1.121823	1
1	3	14	63.6	1660	1690	2.656917	
2	1	14	67.4			3.877159	
3	2	14	91.6	1174		4.179652	
4	2	14	74.9	1874		6.160756	
5	2	14	89.4	1957		7.305119	
6	2	14	87.1	1871		8.501224	
7	2	14	61.2	1182		10.041934	
8	2	14	62.9	1784		11.947937	

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	98.4			0.290149	1
1	3	10	93.3	1556	1216	0.660023	
2	2	10	92.1	1811		1.562447	
3	1	10	73.6			2.259751	
4	2	10	90.4	1560		2.921997	
5	1	10	85.6			3.438895	
6	3	10	96.6	1024	1405	4.015502	
7	2	10	85.9	1355		4.682165	
8	3	10	86.5	1146	1038	4.878296	
9	1	10	61.2			5.434715	
10	1	10	93.6			6.040462	
11	2	10	91.7	1062		7.178263	
12	3	10	84.7	1969	1918	7.231121	
13	3	10	54.8	1326	1478	8.224802	
14	1	10	51.8			8.604015	
15	3	10	50.4	1735	1921	9.105732	
16	2	10	97.8	1832		9.910377	
17	3	10	57.7	1966	1828	10.521229	
18	2	10	88.6	1416		10.923010	
19	2	10	67.8	1591		11.476798	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	57.2			0.094629	1
1	2	6	90.9	1509		1.816687	
2	2	6	78.7	1236		2.490300	
3	3	6	81.8	1805	1583	3.168509	
4	2	6	87.7	1510		4.167821	
5	1	6	83.7			5.109678	
6	3	6	89.1	2000	1920	6.935259	
7	2	6	53.7	1389		7.125018	
8	1	6	99.3			8.678695	
9	3	6	59.8	1503	1170	9.361038	
10	2	6	68.8	1910		10.116792	
11	1	6	98.7			11.045395	

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	11	72.5	1198		0.177044	1
1	3	11	70.9	1867	1850	1.463866	
2	1	11	96.6			2.019480	
3	2	11	66.4	1533		3.335763	
4	2	11	95.4	1089		3.462608	
5	2	11	93.4	1508		4.331830	
6	3	11	88.7	1351	1826	5.464771	
7	2	11	92.9	1266		6.504968	
8	2	11	97.6	1204		7.167131	
9	1	11	53.7			8.032033	
10	1	11	86.9			9.399775	
11	3	11	66.5	1574	1383	10.207682	
12	2	11	89.0	1317		10.320003	
13	2	11	91.5	1097		11.802160	

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	67.5	1882		0.567836	
1	2	15	70.3	1507		1.158875	
2	2	15	94.9	1063		1.636577	
3	2	15	53.0	1525		2.024077	
4	1	15	54.0			3.038033	
5	3	15	98.5	1066	1231	3.487233	
6	2	15	82.0	1365		4.257663	
7	2	15	68.3	1660		4.806925	
8	1	15	97.7			5.467098	
9	3	15	68.4	1307	1679	5.964549	1
10	1	15	54.7			6.617399	
11	1	15	76.0			7.098001	
12	3	15	77.7	1820	1378	7.762516	
13	2	15	89.4	1608		8.743639	
14	2	15	55.0	1364		9.350405	
15	1	15	58.0			9.940979	
16	2	15	75.4	1100		10.440680	
17	1	15	54.1			10.752500	
18	2	15	64.2	1361		11.442751	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	5	75.5			0.107375	1
1	1	5	62.8			0.782510	
2	1	5	86.1			1.558303	
3	3	5	67.0	1920	1030	2.187341	
4	2	5	63.7	1884		2.639128	
5	1	5	54.7			3.516965	
6	3	5	69.1	1554	1411	4.118285	
7	3	5	95.1	1483	1423	4.757772	
8	2	5	82.6	1514		4.814886	
9	2	5	68.5	1785		5.603560	
10	1	5	81.9			6.402935	
11	1	5	83.6			6.769227	
12	2	5	70.6	1675		7.784700	
13	2	5	77.4	1189		8.023197	
14	2	5	81.8	1024		8.486636	
15	2	5	61.6	1060		9.242848	
16	1	5	58.8			10.166404	
17	2	5	75.5	1180		10.428119	
18	2	5	84.8	1650		10.873844	
19	2	5	88.1	1966		11.738081	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	88.2	1051		0.120390	1
1	3	19	66.7	1552	1670	1.866526	
2	2	19	84.0	1750		3.357847	
3	2	19	98.9	1059		4.150215	
4	3	19	92.9	1509	1693	5.429769	
5	2	19	81.9	1172		6.928271	
6	2	19	57.2	1120		7.778954	
7	1	19	75.4			8.444292	
8	2	19	57.0	1947		9.638479	
9	1	19	92.6			11.430073	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	95.7	1562	1250	0.379107	1
1	2	8	68.2	1029		1.536305	
2	3	8	84.8	1564	1622	3.386844	
3	2	8	60.2	1120		3.837956	
4	2	8	60.4	1417		4.829627	
5	2	8	58.3	1784		6.322686	
6	3	8	57.4	1750	1173	7.689360	
7	2	8	97.7	1214		9.135665	
8	3	8	65.1	1433	1695	10.647849	
9	2	8	93.8	1141		10.850973	

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	16	54.2	1479		0.539482	1
1	1	16	86.9			1.295310	
2	2	16	55.9	1810		2.086765	
3	3	16	90.7	1729	1730	3.710353	
4	2	16	79.5	1710		4.941112	
5	2	16	53.8	1241		5.213168	
6	2	16	58.6	1118		6.184483	
7	1	16	91.8			7.719714	
8	1	16	53.1			8.518059	
9	1	16	69.3			9.772102	
10	1	16	70.4			10.875055	
11	3	16	79.8	1589	1417	11.076386	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	88.4			0.509408	1
1	2	15	54.0	1986		1.062895	
2	2	15	97.6	1165		1.582771	
3	3	15	84.9	1055	1039	2.694868	
4	2	15	75.6	1033		3.190065	
5	2	15	91.6	1510		4.014428	
6	2	15	79.4	1013		4.618634	
7	3	15	54.2	1586	1343	5.255671	
8	2	15	56.0	1557		6.442368	
9	2	15	74.1	1226		7.413668	
10	2	15	95.0	1146		7.967881	
11	2	15	67.0	1277		8.973439	
12	3	15	61.8	1912	1668	9.638618	
13	1	15	99.5			10.264718	
14	3	15	80.8	1309	1237	11.146699	
15	2	15	60.9	1901		11.617755	

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	53.5	1894		0.132760	
1	3	9	54.1	1720	1253	1.817812	
2	2	9	75.7	1957		3.238864	
3	2	9	92.7	1456		4.927594	
4	1	9	73.7			5.591295	1
5	2	9	84.5	1915		7.398091	
6	2	9	66.9	1619		9.141041	
7	1	9	84.1			10.096407	
8	2	9	81.8	1523		10.673843	

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	63.4	1464		0.308041	
1	2	17	74.7	1529		0.744376	
2	3	17	54.9	1525	1107	1.717786	
3	3	17	56.7	1240	1704	2.233630	
4	3	17	51.7	1616	1894	2.726904	
5	2	17	63.2	1298		3.300222	
6	1	17	77.0			4.142291	
7	3	17	55.1	1441	1824	5.018308	
8	2	17	96.2	1813		5.443721	
9	3	17	70.3	1397	1029	6.276123	1
10	3	17	87.1	1742	1062	6.375898	
11	1	17	64.9			7.231314	
12	2	17	88.0	1058		7.812197	
13	2	17	91.6	1515		8.659994	
14	2	17	99.5	1367		9.081720	
15	2	17	59.7	1710		9.964499	
16	2	17	70.6	1377		10.131446	
17	1	17	88.8			10.974469	
18	3	17	98.0	1215	1223	11.964995	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	63.3			0.688705	
1	1	12	69.1			0.933116	
2	2	12	96.1	1393		1.707590	
3	3	12	66.0	1913	1345	2.201461	
4	3	12	64.5	1079	1854	2.978864	
5	2	12	72.7	1567		4.007985	
6	2	12	56.4	1503		4.488260	
7	1	12	94.3			5.580106	
8	1	12	78.2			5.952906	1
9	2	12	97.7	1660		6.526871	
10	2	12	67.1	1369		7.616026	
11	1	12	85.9			7.984106	
12	3	12	60.2	1335	1585	8.861817	
13	3	12	98.6	1119	1551	9.746384	
14	3	12	93.0	1461	1464	10.071327	
15	3	12	67.3	1484	1871	10.664230	
16	1	12	84.0			11.899163	

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	15	96.3	1336		0.422889	
1	3	15	98.2	1699	1830	1.150842	
2	2	15	83.9	1380		1.490721	
3	3	15	72.7	1099	1919	2.631520	
4	1	15	55.2			2.668753	
5	2	15	95.5	1535		3.550295	
6	2	15	59.6	1321		4.435233	
7	3	15	60.8	1840	1824	4.783907	
8	3	15	84.8	1641	1350	5.872936	
9	2	15	97.6	1687		6.005023	1
10	2	15	69.0	1960		6.771935	
11	1	15	64.0			7.459182	
12	2	15	90.9	1407		8.339322	
13	2	15	66.3	1477		9.089663	
14	1	15	59.1			9.494313	
15	2	15	95.6	1355		10.499502	
16	1	15	91.0			11.086652	
17	2	15	77.1	1851		11.640798	

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	3	8	99.1	1261	1692	0.408718	
1	2	8	57.8	1859		1.293853	
2	1	8	63.9			2.437360	
3	3	8	86.6	1433	1581	2.809595	
4	2	8	95.3	1848		3.834881	
5	2	8	73.8	1412		5.068462	
6	3	8	71.7	1487	1091	5.913836	1
7	2	8	52.9	1594		6.695328	
8	2	8	54.2	1145		6.944839	
9	3	8	58.0	1092	1476	8.097862	
10	2	8	52.8	1912		9.241727	
11	2	8	61.6	1966		9.702072	
12	1	8	63.6			10.546779	
13	1	8	60.3			11.320235	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	79.3			0.498078	
1	1	18	67.7			0.728291	
2	2	18	66.1	1667		1.633670	
3	2	18	97.8	1781		2.242635	
4	3	18	76.4	1484	1685	2.984295	
5	2	18	60.1	1145		3.158686	
6	2	18	51.4	1800		4.057183	
7	2	18	78.6	1023		4.603658	
8	3	18	89.1	1307	1147	5.205785	
9	3	18	58.5	1986	1457	5.788995	1
10	1	18	69.3			6.794548	
11	3	18	72.1	1978	1970	7.015037	
12	1	18	63.1			7.617378	
13	1	18	86.3			8.593332	
14	3	18	91.7	1755	1950	8.907220	
15	2	18	50.8	1285		9.779840	
16	3	18	81.4	1207	1145	10.213287	
17	1	18	94.5			11.043723	
18	2	18	62.5	1548		11.428033	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	99.3	1689	1240	0.130473	1
1	3	14	93.8	1385	1526	0.878836	
2	2	14	70.3	1830		1.735832	
3	2	14	94.3	1812		2.092225	
4	2	14	85.0	1785		3.114117	
5	2	14	51.2	1130		3.924287	
6	3	14	60.5	1603	1246	4.206656	
7	3	14	61.0	1310	1913	5.202432	
8	3	14	70.2	1215	1994	5.966345	
9	2	14	78.2	1064		6.267709	
10	2	14	88.5	1934		7.095297	
11	2	14	93.9	1410		7.753986	
12	1	14	73.4			8.602233	
13	3	14	87.4	1975	1658	9.143452	
14	2	14	71.4	1559		9.368679	
15	3	14	54.1	1671	1786	10.365701	
16	2	14	57.7	1571		11.260924	
17	3	14	87.5	1387	1801	11.857120	

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	12	69.3	1509		0.054471	1
1	3	12	58.2	1711	1807	1.039023	
2	2	12	68.2	1939		1.388806	
3	2	12	53.0	1665		1.918460	
4	2	12	54.1	1008		2.571859	
5	2	12	84.4	1126		3.181584	
6	2	12	99.4	1989		4.096864	
7	1	12	76.8			4.764589	
8	1	12	99.8			5.273476	
9	1	12	68.0			5.555074	
10	1	12	69.0			6.002690	
11	1	12	66.0			6.888982	
12	3	12	51.7	1542	1294	7.420227	
13	2	12	99.5	1393		8.237182	
14	2	12	58.9	1843		8.640640	
15	2	12	56.4	1737		9.218400	
16	2	12	81.6	1208		9.946272	
17	1	12	94.4			10.552089	
18	2	12	99.4	1867		11.244016	
19	2	12	92.5	1403		11.596297	

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	5	69.0	1873		0.444643	
1	3	5	57.4	1233	1402	0.847719	
2	2	5	94.9	1664		1.670727	
3	1	5	84.0			3.091124	
4	2	5	69.4	1781		3.344494	
5	2	5	57.8	1202		4.126122	
6	1	5	66.8			4.877222	
7	3	5	50.3	1061	1703	6.297264	1
8	2	5	81.4	1643		6.715705	
9	2	5	73.6	1865		7.566414	
10	1	5	75.1			8.104471	
11	2	5	67.6	1134		9.082296	
12	3	5	61.0	1656	1596	10.308329	
13	2	5	90.4	1395		10.432215	
14	2	5	50.4	1514		11.699478	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	85.4	1090	1852	0.049485	1
1	1	13	75.5			1.167289	
2	3	13	77.3	1091	1310	1.812808	
3	3	13	75.5	1990	1276	2.546127	
4	2	13	97.4	1366		2.795623	
5	2	13	85.0	1260		3.876529	
6	2	13	54.5	1738		4.369073	
7	2	13	68.3	1174		5.162544	
8	2	13	59.0	1213		5.577736	
9	2	13	62.8	1925		6.211307	
10	3	13	71.5	1271	1346	6.816694	
11	1	13	62.5			7.911391	
12	3	13	64.2	1468	1401	8.447446	
13	3	13	86.0	1719	1334	8.743422	
14	3	13	98.8	1814	1052	9.532128	
15	2	13	60.3	1045		10.422187	
16	2	13	75.5	1915		11.080784	
17	1	13	57.2			11.578644	

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	15	52.0	1480		0.710412	
1	2	15	65.7	1384		1.684547	
2	2	15	53.8	1633		3.025625	
3	3	15	77.2	1901	1330	5.314444	
4	1	15	98.5			6.080639	1
5	2	15	75.2	1267		7.366273	
6	2	15	55.6	1282		8.622966	
7	2	15	69.6	1870		10.024365	
8	1	15	96.2			11.500211	

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	12	56.6			0.411662	
1	3	12	74.0	1544	1610	1.410131	
2	3	12	95.4	1183	1409	2.349182	
3	2	12	97.2	1194		4.086207	
4	3	12	96.3	1217	1293	4.639344	
5	3	12	86.6	1780	1822	5.936355	1
6	2	12	52.1	1908		7.128427	
7	1	12	79.0			8.350650	
8	1	12	75.8			9.571234	
9	2	12	87.6	1600		10.217047	
10	1	12	58.2			11.663275	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	63.8			0.213949	
1	2	10	70.6	1938		1.422795	
2	2	10	71.4	1795		1.807749	
3	2	10	74.4	1878		2.702948	
4	2	10	67.4	1174		3.548174	
5	2	10	73.8	1182		4.289691	
6	1	10	63.5			5.451616	
7	1	10	84.8			6.400877	1
8	2	10	96.6	1509		7.082815	
9	2	10	87.5	1836		8.386866	
10	2	10	76.7	1291		8.846461	
11	1	10	81.8			10.262409	
12	2	10	82.2	1568		10.756227	
13	1	10	86.9			11.810285	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	64.2			0.830129	
1	1	13	91.0			1.328965	
2	1	13	62.0			2.998730	
3	2	13	81.8	1354		3.607846	
4	1	13	79.9			4.839159	
5	2	13	64.3	1593		6.212413	1
6	2	13	76.8	1570		6.871662	
7	3	13	50.8	1591	1097	8.594931	
8	3	13	52.9	1704	1765	8.928652	
9	1	13	59.0			10.606632	
10	2	13	64.9	1459		11.027013	

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	5657.0, 5487.0, 5388.0, 5403.0, 5520.0, 5412.0, 5693.0, 5276.0, 5547.0, 5600.0, 5284.0, 5566.0, 5422.0, 5695.0, 5591.0, 5463.0, 5674.0, 5335.0, 5280.0, 5656.0, 5560.0, 5361.0, 5554.0, 5453.0, 5562.0, 5413.0, 5594.0, 5523.0, 5414.0, 5525.0, 5567.0, 5587.0, 5712.0, 5427.0, 5465.0, 5584.0, 5445.0, 5471.0, 5429.0, 5470.0, 5317.0, 5415.0, 5689.0, 5513.0, 5572.0, 5299.0, 5373.0, 5718.0, 5509.0, 5548.0, 5608.0, 5255.0, 5439.0, 5620.0, 5596.0, 5263.0, 5349.0, 5563.0, 5510.0, 5672.0, 5634.0, 5667.0, 5676.0, 5310.0, 5703.0, 5324.0, 5723.0, 5696.0, 5342.0, 5440.0, 5379.0, 5383.0, 5603.0, 5275.0, 5357.0, 5340.0, 5633.0, 5258.0, 5579.0, 5266.0, 5669.0, 5628.0, 5624.0, 5483.0, 5256.0, 5443.0, 5381.0, 5498.0, 5419.0, 5376.0, 5680.0, 5631.0, 5285.0, 5707.0, 5559.0, 5715.0, 5478.0, 5555.0, 5341.0, 5264.0 (number of hits: 7)
2	5510.0	9	1.0	333	1	5296.0, 5676.0, 5475.0, 5633.0, 5715.0, 5557.0, 5616.0, 5461.0, 5641.0, 5415.0, 5526.0, 5432.0, 5607.0, 5680.0, 5280.0, 5690.0, 5589.0, 5666.0, 5704.0, 5716.0, 5379.0, 5378.0, 5314.0, 5550.0, 5426.0, 5562.0, 5304.0, 5355.0, 5297.0, 5645.0, 5518.0, 5412.0, 5486.0, 5437.0, 5613.0, 5573.0, 5497.0, 5299.0, 5428.0, 5651.0, 5554.0, 5605.0, 5360.0, 5629.0, 5451.0, 5684.0, 5551.0, 5672.0, 5515.0, 5525.0, 5563.0, 5395.0, 5353.0, 5264.0, 5634.0, 5301.0, 5436.0, 5422.0, 5329.0, 5368.0, 5542.0, 5503.0, 5440.0, 5591.0, 5448.0, 5718.0, 5653.0, 5487.0, 5334.0, 5330.0, 5506.0, 5516.0, 5290.0, 5392.0, 5279.0, 5537.0, 5263.0, 5570.0, 5507.0, 5498.0, 5445.0, 5265.0, 5632.0, 5628.0, 5466.0, 5652.0, 5665.0, 5539.0, 5257.0, 5273.0, 5528.0, 5663.0, 5527.0, 5519.0, 5462.0, 5524.0, 5434.0, 5481.0, 5513.0, 5538.0 (number of hits: 14)
3	5510.0	9	1.0	333	1	5674.0, 5633.0, 5512.0, 5617.0, 5286.0, 5706.0, 5483.0, 5723.0, 5595.0, 5628.0, 5581.0, 5334.0, 5609.0, 5305.0, 5590.0, 5361.0, 5600.0, 5273.0, 5718.0, 5603.0, 5442.0, 5257.0, 5304.0, 5575.0, 5290.0, 5432.0, 5627.0, 5253.0, 5677.0, 5675.0, 5321.0, 5479.0, 5406.0, 5444.0, 5474.0, 5543.0, 5376.0, 5348.0, 5352.0, 5256.0, 5439.0, 5592.0, 5676.0, 5422.0, 5451.0, 5650.0, 5313.0, 5710.0, 5468.0, 5359.0, 5631.0, 5707.0, 5657.0, 5272.0, 5329.0, 5696.0, 5369.0, 5259.0, 5265.0, 5537.0, 5467.0, 5660.0, 5612.0, 5453.0, 5586.0, 5326.0, 5409.0, 5619.0, 5691.0, 5568.0, 5466.0, 5615.0, 5307.0, 5552.0, 5452.0, 5618.0, 5511.0, 5662.0, 5283.0, 5380.0, 5269.0, 5688.0, 5396.0, 5567.0, 5378.0, 5614.0, 5546.0, 5654.0, 5418.0, 5268.0, 5284.0, 5686.0, 5645.0, 5507.0, 5427.0, 5519.0, 5266.0, 5340.0, 5411.0, 5419.0 (number of hits: 4)
4	5510.0	9	1.0	333	1	5430.0, 5568.0, 5353.0, 5689.0, 5668.0, 5304.0, 5640.0, 5718.0, 5379.0, 5278.0, 5256.0, 5370.0, 5564.0, 5626.0, 5530.0, 5298.0, 5454.0, 5501.0, 5583.0, 5496.0, 5691.0, 5460.0, 5609.0, 5372.0, 5352.0, 5625.0, 5528.0, 5588.0, 5413.0, 5675.0, 5456.0, 5509.0, 5694.0, 5652.0, 5473.0, 5663.0, 5281.0, 5287.0, 5323.0, 5618.0, 5630.0, 5639.0, 5523.0, 5292.0, 5253.0, 5475.0, 5396.0, 5361.0, 5392.0, 5469.0, 5296.0, 5367.0, 5497.0, 5324.0, 5485.0, 5565.0, 5562.0, 5683.0, 5696.0, 5655.0, 5488.0, 5466.0, 5384.0, 5537.0, 5541.0, 5302.0, 5408.0, 5334.0, 5487.0, 5271.0, 5716.0, 5311.0, 5623.0, 5479.0, 5498.0, 5608.0, 5333.0, 5345.0, 5471.0, 5252.0, 5421.0, 5554.0, 5269.0, 5455.0, 5457.0, 5280.0, 5482.0, 5275.0, 5615.0, 5477.0, 5653.0, 5511.0, 5433.0, 5264.0, 5461.0, 5551.0, 5560.0, 5293.0, 5697.0, 5500.0 (number of hits: 8)
5	5510.0	9	1.0	333	1	5644.0, 5607.0, 5687.0, 5507.0, 5306.0, 5453.0, 5502.0, 5675.0, 5437.0, 5351.0, 5702.0, 5583.0, 5676.0, 5261.0, 5304.0, 5578.0, 5287.0, 5606.0, 5324.0, 5326.0, 5535.0, 5625.0, 5322.0, 5308.0,

						5332.0, 5695.0, 5569.0, 5491.0, 5329.0, 5327.0, 5510.0, 5537.0, 5693.0, 5449.0, 5408.0, 5254.0, 5376.0, 5692.0, 5328.0, 5320.0, 5490.0, 5519.0, 5315.0, 5556.0, 5338.0, 5472.0, 5574.0, 5568.0, 5700.0, 5448.0, 5594.0, 5348.0, 5545.0, 5684.0, 5619.0, 5429.0, 5557.0, 5649.0, 5325.0, 5353.0, 5284.0, 5262.0, 5375.0, 5495.0, 5314.0, 5571.0, 5555.0, 5435.0, 5694.0, 5530.0, 5570.0, 5552.0, 5615.0, 5544.0, 5477.0, 5601.0, 5354.0, 5458.0, 5410.0, 5438.0, 5361.0, 5403.0, 5567.0, 5576.0, 5626.0, 5265.0, 5342.0, 5655.0, 5409.0, 5712.0, 5476.0, 5339.0, 5430.0, 5443.0, 5513.0, 5514.0, 5416.0, 5493.0, 5653.0, 5483.0 (number of hits: 8)
6	5510.0	9	1.0	333	1	5606.0, 5323.0, 5518.0, 5403.0, 5555.0, 5710.0, 5526.0, 5283.0, 5493.0, 5298.0, 5289.0, 5328.0, 5434.0, 5379.0, 5585.0, 5503.0, 5667.0, 5427.0, 5471.0, 5682.0, 5583.0, 5722.0, 5707.0, 5664.0, 5716.0, 5550.0, 5594.0, 5468.0, 5524.0, 5341.0, 5507.0, 5447.0, 5399.0, 5409.0, 5263.0, 5679.0, 5262.0, 5533.0, 5313.0, 5654.0, 5642.0, 5595.0, 5671.0, 5366.0, 5511.0, 5653.0, 5394.0, 5622.0, 5478.0, 5392.0, 5467.0, 5266.0, 5273.0, 5537.0, 5715.0, 5590.0, 5577.0, 5612.0, 5538.0, 5455.0, 5335.0, 5547.0, 5517.0, 5338.0, 5255.0, 5674.0, 5637.0, 5678.0, 5602.0, 5677.0, 5250.0, 5410.0, 5708.0, 5582.0, 5377.0, 5334.0, 5700.0, 5257.0, 5440.0, 5344.0, 5578.0, 5367.0, 5421.0, 5631.0, 5688.0, 5499.0, 5360.0, 5385.0, 5626.0, 5504.0, 5445.0, 5374.0, 5259.0, 5513.0, 5552.0, 5479.0, 5474.0, 5332.0, 5681.0, 5714.0 (number of hits: 11)
7	5510.0	9	1.0	333	1	5403.0, 5423.0, 5508.0, 5253.0, 5506.0, 5632.0, 5689.0, 5282.0, 5583.0, 5285.0, 5698.0, 5647.0, 5499.0, 5509.0, 5392.0, 5505.0, 5485.0, 5341.0, 5273.0, 5355.0, 5307.0, 5420.0, 5381.0, 5257.0, 5594.0, 5426.0, 5585.0, 5588.0, 5261.0, 5284.0, 5708.0, 5461.0, 5537.0, 5439.0, 5275.0, 5671.0, 5350.0, 5303.0, 5566.0, 5262.0, 5408.0, 5415.0, 5633.0, 5551.0, 5460.0, 5287.0, 5372.0, 5272.0, 5342.0, 5673.0, 5347.0, 5669.0, 5352.0, 5619.0, 5500.0, 5550.0, 5380.0, 5252.0, 5605.0, 5466.0, 5401.0, 5302.0, 5540.0, 5690.0, 5515.0, 5338.0, 5677.0, 5330.0, 5512.0, 5472.0, 5487.0, 5514.0, 5571.0, 5721.0, 5445.0, 5720.0, 5292.0, 5543.0, 5409.0, 5290.0, 5592.0, 5346.0, 5438.0, 5254.0, 5661.0, 5621.0, 5643.0, 5312.0, 5687.0, 5668.0, 5563.0, 5692.0, 5430.0, 5536.0, 5280.0, 5539.0, 5427.0, 5558.0, 5373.0, 5268.0 (number of hits: 9)
8	5510.0	9	1.0	333	1	5575.0, 5265.0, 5351.0, 5650.0, 5277.0, 5671.0, 5694.0, 5680.0, 5306.0, 5507.0, 5660.0, 5520.0, 5707.0, 5583.0, 5424.0, 5466.0, 5515.0, 5257.0, 5449.0, 5716.0, 5373.0, 5614.0, 5295.0, 5612.0, 5658.0, 5311.0, 5388.0, 5390.0, 5303.0, 5349.0, 5682.0, 5571.0, 5362.0, 5382.0, 5406.0, 5272.0, 5307.0, 5634.0, 5367.0, 5397.0, 5353.0, 5332.0, 5301.0, 5274.0, 5394.0, 5595.0, 5703.0, 5641.0, 5465.0, 5284.0, 5630.0, 5701.0, 5678.0, 5314.0, 5715.0, 5659.0, 5438.0, 5590.0, 5633.0, 5251.0, 5458.0, 5533.0, 5455.0, 5464.0, 5665.0, 5606.0, 5381.0, 5337.0, 5597.0, 5335.0, 5486.0, 5302.0, 5632.0, 5718.0, 5709.0, 5644.0, 5568.0, 5368.0, 5646.0, 5663.0, 5446.0, 5677.0, 5443.0, 5387.0, 5506.0, 5352.0, 5415.0, 5704.0, 5364.0, 5276.0, 5423.0, 5708.0, 5473.0, 5712.0, 5383.0, 5327.0, 5450.0, 5628.0, 5560.0, 5259.0 (number of hits: 4)
9	5510.0	9	1.0	333	1	5718.0, 5536.0, 5691.0, 5676.0, 5413.0, 5564.0, 5343.0, 5426.0, 5358.0, 5715.0, 5256.0, 5592.0, 5305.0, 5421.0, 5487.0, 5268.0, 5635.0, 5384.0, 5721.0, 5642.0, 5259.0, 5355.0, 5261.0, 5711.0, 5409.0, 5584.0, 5289.0, 5258.0, 5303.0, 5513.0, 5603.0, 5429.0, 5678.0, 5687.0, 5593.0, 5353.0, 5348.0, 5628.0, 5582.0, 5337.0, 5556.0, 5273.0, 5541.0, 5336.0, 5463.0, 5666.0, 5605.0, 5295.0, 5370.0, 5485.0, 5655.0, 5650.0, 5590.0, 5437.0, 5465.0, 5615.0, 5274.0, 5475.0, 5671.0, 5272.0, 5325.0, 5700.0, 5354.0, 5576.0, 5648.0, 5378.0, 5294.0, 5363.0, 5441.0, 5367.0, 5682.0, 5488.0, 5269.0, 5327.0, 5356.0, 5649.0, 5507.0, 5390.0, 5481.0, 5451.0, 5280.0, 5472.0, 5389.0, 5324.0, 5313.0, 5420.0, 5527.0, 5401.0, 5461.0, 5281.0, 5383.0, 5331.0, 5562.0, 5719.0, 5641.0, 5577.0,

						5499.0, 5600.0, 5596.0, 5653.0 (number of hits: 4)
10	5510.0	9	1.0	333	1	5280.0, 5535.0, 5686.0, 5343.0, 5460.0, 5456.0, 5408.0, 5496.0, 5418.0, 5447.0, 5639.0, 5419.0, 5395.0, 5398.0, 5348.0, 5670.0, 5656.0, 5303.0, 5547.0, 5385.0, 5471.0, 5599.0, 5413.0, 5502.0, 5350.0, 5666.0, 5292.0, 5657.0, 5336.0, 5499.0, 5597.0, 5659.0, 5623.0, 5634.0, 5463.0, 5523.0, 5449.0, 5486.0, 5663.0, 5267.0, 5520.0, 5607.0, 5652.0, 5621.0, 5593.0, 5677.0, 5512.0, 5557.0, 5325.0, 5519.0, 5580.0, 5254.0, 5556.0, 5562.0, 5282.0, 5277.0, 5521.0, 5380.0, 5513.0, 5360.0, 5591.0, 5384.0, 5365.0, 5638.0, 5671.0, 5255.0, 5376.0, 5301.0, 5468.0, 5324.0, 5704.0, 5407.0, 5705.0, 5588.0, 5458.0, 5422.0, 5680.0, 5283.0, 5524.0, 5629.0, 5389.0, 5317.0, 5332.0, 5501.0, 5700.0, 5660.0, 5364.0, 5399.0, 5441.0, 5598.0, 5278.0, 5473.0, 5675.0, 5559.0, 5352.0, 5661.0, 5369.0, 5285.0, 5465.0, 5474.0 (number of hits: 11)
11	5510.0	9	1.0	333	1	5423.0, 5517.0, 5599.0, 5541.0, 5459.0, 5575.0, 5363.0, 5637.0, 5304.0, 5545.0, 5385.0, 5276.0, 5660.0, 5482.0, 5271.0, 5496.0, 5428.0, 5525.0, 5379.0, 5531.0, 5655.0, 5572.0, 5721.0, 5620.0, 5622.0, 5262.0, 5359.0, 5418.0, 5579.0, 5515.0, 5281.0, 5497.0, 5705.0, 5471.0, 5703.0, 5390.0, 5537.0, 5691.0, 5623.0, 5548.0, 5513.0, 5569.0, 5331.0, 5521.0, 5399.0, 5630.0, 5434.0, 5585.0, 5257.0, 5602.0, 5535.0, 5360.0, 5318.0, 5719.0, 5686.0, 5514.0, 5678.0, 5692.0, 5452.0, 5351.0, 5300.0, 5687.0, 5688.0, 5477.0, 5670.0, 5478.0, 5336.0, 5440.0, 5611.0, 5299.0, 5563.0, 5560.0, 5384.0, 5586.0, 5411.0, 5717.0, 5649.0, 5408.0, 5264.0, 5631.0, 5624.0, 5604.0, 5589.0, 5342.0, 5627.0, 5422.0, 5283.0, 5603.0, 5449.0, 5621.0, 5258.0, 5607.0, 5369.0, 5353.0, 5356.0, 5648.0, 5345.0, 5348.0, 5647.0, 5337.0 (number of hits: 8)
12	5510.0	9	1.0	333	1	5537.0, 5493.0, 5409.0, 5609.0, 5312.0, 5512.0, 5519.0, 5520.0, 5501.0, 5706.0, 5522.0, 5414.0, 5602.0, 5684.0, 5430.0, 5451.0, 5650.0, 5319.0, 5411.0, 5368.0, 5507.0, 5590.0, 5337.0, 5328.0, 5503.0, 5302.0, 5417.0, 5515.0, 5675.0, 5336.0, 5523.0, 5372.0, 5606.0, 5342.0, 5453.0, 5288.0, 5665.0, 5562.0, 5294.0, 5490.0, 5475.0, 5333.0, 5403.0, 5270.0, 5297.0, 5697.0, 5266.0, 5624.0, 5663.0, 5415.0, 5471.0, 5567.0, 5457.0, 5546.0, 5304.0, 5262.0, 5601.0, 5552.0, 5407.0, 5668.0, 5250.0, 5570.0, 5283.0, 5323.0, 5557.0, 5662.0, 5311.0, 5464.0, 5634.0, 5577.0, 5458.0, 5709.0, 5496.0, 5332.0, 5412.0, 5608.0, 5579.0, 5425.0, 5477.0, 5670.0, 5476.0, 5422.0, 5672.0, 5308.0, 5431.0, 5696.0, 5443.0, 5715.0, 5481.0, 5625.0, 5499.0, 5666.0, 5480.0, 5454.0, 5365.0, 5541.0, 5397.0, 5717.0, 5303.0, 5536.0 (number of hits: 12)
13	5510.0	9	1.0	333	1	5712.0, 5413.0, 5608.0, 5296.0, 5462.0, 5586.0, 5467.0, 5384.0, 5683.0, 5633.0, 5593.0, 5706.0, 5487.0, 5667.0, 5395.0, 5461.0, 5512.0, 5693.0, 5327.0, 5440.0, 5372.0, 5546.0, 5557.0, 5496.0, 5265.0, 5355.0, 5406.0, 5471.0, 5709.0, 5323.0, 5555.0, 5285.0, 5632.0, 5518.0, 5375.0, 5303.0, 5619.0, 5304.0, 5269.0, 5498.0, 5416.0, 5708.0, 5637.0, 5548.0, 5695.0, 5597.0, 5513.0, 5677.0, 5272.0, 5477.0, 5560.0, 5311.0, 5410.0, 5646.0, 5458.0, 5613.0, 5283.0, 5321.0, 5405.0, 5305.0, 5620.0, 5382.0, 5515.0, 5346.0, 5318.0, 5345.0, 5605.0, 5319.0, 5640.0, 5470.0, 5724.0, 5286.0, 5690.0, 5352.0, 5301.0, 5404.0, 5445.0, 5531.0, 5428.0, 5581.0, 5572.0, 5579.0, 5506.0, 5578.0, 5313.0, 5341.0, 5491.0, 5443.0, 5363.0, 5653.0, 5490.0, 5371.0, 5259.0, 5562.0, 5366.0, 5423.0, 5353.0, 5407.0, 5260.0, 5256.0 (number of hits: 7)
14	5510.0	9	1.0	333	1	5508.0, 5282.0, 5408.0, 5483.0, 5364.0, 5420.0, 5562.0, 5711.0, 5519.0, 5694.0, 5600.0, 5451.0, 5614.0, 5484.0, 5590.0, 5569.0, 5278.0, 5305.0, 5464.0, 5481.0, 5267.0, 5495.0, 5258.0, 5699.0, 5378.0, 5512.0, 5706.0, 5627.0, 5395.0, 5331.0, 5454.0, 5342.0, 5430.0, 5617.0, 5581.0, 5456.0, 5539.0, 5572.0, 5309.0, 5602.0, 5307.0, 5672.0, 5565.0, 5682.0, 5383.0, 5274.0, 5341.0, 5662.0, 5608.0, 5434.0, 5601.0, 5453.0, 5673.0, 5343.0, 5540.0, 5502.0, 5374.0, 5339.0, 5681.0, 5612.0, 5634.0, 5717.0, 5289.0, 5397.0,

						5389.0, 5327.0, 5293.0, 5286.0, 5678.0, 5340.0, 5279.0, 5438.0, 5475.0, 5680.0, 5377.0, 5277.0, 5470.0, 5509.0, 5585.0, 5295.0, 5638.0, 5272.0, 5306.0, 5386.0, 5393.0, 5554.0, 5405.0, 5657.0, 5413.0, 5606.0, 5659.0, 5255.0, 5521.0, 5629.0, 5387.0, 5579.0, 5701.0, 5505.0, 5414.0, 5280.0 (number of hits: 8)
15	5510.0	9	1.0	333	1	5330.0, 5368.0, 5329.0, 5443.0, 5525.0, 5378.0, 5308.0, 5567.0, 5568.0, 5382.0, 5413.0, 5557.0, 5385.0, 5576.0, 5315.0, 5535.0, 5520.0, 5636.0, 5269.0, 5540.0, 5263.0, 5260.0, 5646.0, 5268.0, 5304.0, 5690.0, 5505.0, 5708.0, 5339.0, 5506.0, 5630.0, 5710.0, 5654.0, 5485.0, 5410.0, 5514.0, 5512.0, 5543.0, 5422.0, 5253.0, 5428.0, 5414.0, 5254.0, 5448.0, 5264.0, 5618.0, 5640.0, 5390.0, 5384.0, 5472.0, 5393.0, 5364.0, 5614.0, 5581.0, 5566.0, 5327.0, 5301.0, 5425.0, 5659.0, 5481.0, 5537.0, 5325.0, 5446.0, 5341.0, 5420.0, 5550.0, 5715.0, 5678.0, 5287.0, 5631.0, 5297.0, 5358.0, 5418.0, 5277.0, 5670.0, 5613.0, 5467.0, 5266.0, 5701.0, 5274.0, 5536.0, 5716.0, 5451.0, 5507.0, 5683.0, 5662.0, 5351.0, 5450.0, 5367.0, 5383.0, 5673.0, 5509.0, 5436.0, 5283.0, 5538.0, 5475.0, 5458.0, 5394.0, 5684.0, 5489.0 (number of hits: 8)
16	5510.0	9	1.0	333	1	5645.0, 5708.0, 5347.0, 5654.0, 5687.0, 5477.0, 5505.0, 5264.0, 5342.0, 5445.0, 5381.0, 5639.0, 5409.0, 5268.0, 5393.0, 5317.0, 5346.0, 5387.0, 5339.0, 5514.0, 5364.0, 5299.0, 5391.0, 5509.0, 5676.0, 5694.0, 5396.0, 5448.0, 5345.0, 5526.0, 5553.0, 5353.0, 5535.0, 5417.0, 5386.0, 5469.0, 5669.0, 5566.0, 5523.0, 5415.0, 5633.0, 5622.0, 5420.0, 5548.0, 5418.0, 5438.0, 5623.0, 5397.0, 5621.0, 5501.0, 5588.0, 5617.0, 5658.0, 5537.0, 5301.0, 5430.0, 5691.0, 5295.0, 5476.0, 5452.0, 5487.0, 5586.0, 5278.0, 5675.0, 5266.0, 5607.0, 5630.0, 5667.0, 5589.0, 5288.0, 5371.0, 5529.0, 5680.0, 5479.0, 5598.0, 5642.0, 5351.0, 5539.0, 5281.0, 5470.0, 5411.0, 5256.0, 5441.0, 5258.0, 5496.0, 5546.0, 5389.0, 5302.0, 5289.0, 5657.0, 5463.0, 5475.0, 5582.0, 5709.0, 5377.0, 5549.0, 5498.0, 5337.0, 5636.0, 5320.0 (number of hits: 8)
17	5510.0	9	1.0	333	1	5263.0, 5407.0, 5600.0, 5675.0, 5609.0, 5413.0, 5523.0, 5299.0, 5683.0, 5268.0, 5694.0, 5670.0, 5399.0, 5470.0, 5625.0, 5617.0, 5578.0, 5522.0, 5615.0, 5571.0, 5317.0, 5684.0, 5417.0, 5486.0, 5626.0, 5429.0, 5605.0, 5715.0, 5396.0, 5370.0, 5685.0, 5632.0, 5511.0, 5388.0, 5290.0, 5533.0, 5358.0, 5716.0, 5573.0, 5648.0, 5435.0, 5549.0, 5604.0, 5452.0, 5471.0, 5640.0, 5410.0, 5623.0, 5555.0, 5660.0, 5406.0, 5350.0, 5588.0, 5631.0, 5364.0, 5591.0, 5333.0, 5690.0, 5692.0, 5359.0, 5570.0, 5343.0, 5342.0, 5535.0, 5283.0, 5255.0, 5587.0, 5521.0, 5483.0, 5594.0, 5266.0, 5550.0, 5484.0, 5282.0, 5686.0, 5344.0, 5596.0, 5254.0, 5270.0, 5514.0, 5636.0, 5708.0, 5709.0, 5460.0, 5259.0, 5404.0, 5352.0, 5538.0, 5405.0, 5374.0, 5365.0, 5260.0, 5353.0, 5258.0, 5443.0, 5720.0, 5412.0, 5458.0, 5672.0, 5539.0 (number of hits: 5)
18	5510.0	9	1.0	333	1	5456.0, 5352.0, 5341.0, 5676.0, 5621.0, 5292.0, 5607.0, 5457.0, 5629.0, 5592.0, 5366.0, 5316.0, 5511.0, 5354.0, 5616.0, 5356.0, 5504.0, 5610.0, 5413.0, 5282.0, 5264.0, 5378.0, 5463.0, 5581.0, 5422.0, 5268.0, 5442.0, 5410.0, 5281.0, 5261.0, 5402.0, 5399.0, 5334.0, 5580.0, 5428.0, 5531.0, 5474.0, 5651.0, 5552.0, 5520.0, 5293.0, 5711.0, 5294.0, 5342.0, 5661.0, 5514.0, 5411.0, 5389.0, 5270.0, 5297.0, 5426.0, 5684.0, 5515.0, 5388.0, 5604.0, 5597.0, 5275.0, 5695.0, 5602.0, 5278.0, 5722.0, 5541.0, 5606.0, 5394.0, 5608.0, 5300.0, 5252.0, 5376.0, 5253.0, 5465.0, 5274.0, 5427.0, 5491.0, 5308.0, 5345.0, 5561.0, 5665.0, 5299.0, 5714.0, 5707.0, 5467.0, 5480.0, 5279.0, 5649.0, 5365.0, 5699.0, 5459.0, 5554.0, 5505.0, 5642.0, 5340.0, 5689.0, 5715.0, 5550.0, 5716.0, 5315.0, 5452.0, 5259.0, 5696.0, 5677.0 (number of hits: 6)
19	5510.0	9	1.0	333	1	5366.0, 5418.0, 5380.0, 5442.0, 5305.0, 5296.0, 5557.0, 5688.0, 5313.0, 5485.0, 5508.0, 5591.0, 5503.0, 5486.0, 5472.0, 5628.0, 5316.0, 5500.0, 5455.0, 5710.0, 5550.0, 5689.0, 5398.0, 5378.0, 5683.0, 5608.0, 5354.0, 5463.0, 5441.0, 5401.0, 5615.0, 5308.0,

						5695.0, 5404.0, 5294.0, 5434.0, 5527.0, 5709.0, 5368.0, 5431.0, 5300.0, 5482.0, 5289.0, 5411.0, 5340.0, 5613.0, 5426.0, 5409.0, 5677.0, 5327.0, 5440.0, 5650.0, 5464.0, 5432.0, 5357.0, 5505.0, 5548.0, 5502.0, 5512.0, 5647.0, 5425.0, 5392.0, 5721.0, 5323.0, 5428.0, 5556.0, 5541.0, 5627.0, 5622.0, 5510.0, 5407.0, 5593.0, 5649.0, 5691.0, 5720.0, 5475.0, 5707.0, 5295.0, 5437.0, 5328.0, 5349.0, 5637.0, 5586.0, 5290.0, 5470.0, 5522.0, 5360.0, 5262.0, 5670.0, 5385.0, 5252.0, 5282.0, 5400.0, 5451.0, 5585.0, 5580.0, 5379.0, 5303.0, 5496.0, 5616.0 (number of hits: 10)
20	5510.0	9	1.0	333	1	5346.0, 5361.0, 5597.0, 5438.0, 5607.0, 5422.0, 5258.0, 5286.0, 5535.0, 5534.0, 5350.0, 5657.0, 5536.0, 5568.0, 5269.0, 5587.0, 5585.0, 5712.0, 5702.0, 5462.0, 5633.0, 5677.0, 5531.0, 5589.0, 5288.0, 5353.0, 5622.0, 5613.0, 5392.0, 5472.0, 5537.0, 5309.0, 5305.0, 5430.0, 5364.0, 5504.0, 5448.0, 5666.0, 5384.0, 5466.0, 5437.0, 5360.0, 5253.0, 5693.0, 5442.0, 5700.0, 5296.0, 5289.0, 5653.0, 5513.0, 5418.0, 5523.0, 5320.0, 5421.0, 5635.0, 5419.0, 5644.0, 5400.0, 5292.0, 5458.0, 5691.0, 5338.0, 5707.0, 5656.0, 5397.0, 5669.0, 5355.0, 5417.0, 5391.0, 5388.0, 5290.0, 5642.0, 5621.0, 5498.0, 5277.0, 5503.0, 5279.0, 5283.0, 5647.0, 5648.0, 5368.0, 5614.0, 5255.0, 5489.0, 5676.0, 5324.0, 5699.0, 5704.0, 5625.0, 5493.0, 5313.0, 5496.0, 5708.0, 5294.0, 5624.0, 5390.0, 5567.0, 5640.0, 5559.0, 5573.0 (number of hits: 7)
21	5510.0	9	1.0	333	1	5712.0, 5320.0, 5511.0, 5297.0, 5667.0, 5683.0, 5701.0, 5637.0, 5563.0, 5485.0, 5503.0, 5347.0, 5603.0, 5469.0, 5360.0, 5574.0, 5377.0, 5254.0, 5415.0, 5510.0, 5328.0, 5372.0, 5635.0, 5450.0, 5592.0, 5305.0, 5357.0, 5705.0, 5483.0, 5420.0, 5558.0, 5659.0, 5529.0, 5279.0, 5414.0, 5407.0, 5454.0, 5447.0, 5601.0, 5304.0, 5630.0, 5602.0, 5375.0, 5493.0, 5444.0, 5536.0, 5335.0, 5617.0, 5453.0, 5316.0, 5381.0, 5300.0, 5611.0, 5434.0, 5463.0, 5624.0, 5502.0, 5582.0, 5282.0, 5343.0, 5299.0, 5523.0, 5600.0, 5438.0, 5308.0, 5711.0, 5428.0, 5354.0, 5564.0, 5452.0, 5646.0, 5590.0, 5346.0, 5265.0, 5488.0, 5264.0, 5442.0, 5688.0, 5410.0, 5690.0, 5364.0, 5537.0, 5432.0, 5272.0, 5606.0, 5618.0, 5561.0, 5359.0, 5671.0, 5468.0, 5292.0, 5699.0, 5706.0, 5598.0, 5491.0, 5643.0, 5507.0, 5487.0, 5607.0, 5625.0 (number of hits: 7)
22	5510.0	9	1.0	333	1	5703.0, 5414.0, 5366.0, 5329.0, 5452.0, 5351.0, 5661.0, 5723.0, 5301.0, 5673.0, 5422.0, 5619.0, 5278.0, 5294.0, 5698.0, 5295.0, 5568.0, 5331.0, 5470.0, 5707.0, 5449.0, 5721.0, 5652.0, 5439.0, 5280.0, 5379.0, 5638.0, 5604.0, 5503.0, 5549.0, 5496.0, 5633.0, 5502.0, 5700.0, 5675.0, 5288.0, 5382.0, 5669.0, 5590.0, 5371.0, 5298.0, 5564.0, 5537.0, 5579.0, 5699.0, 5330.0, 5462.0, 5443.0, 5611.0, 5268.0, 5678.0, 5538.0, 5522.0, 5616.0, 5492.0, 5303.0, 5632.0, 5505.0, 5526.0, 5276.0, 5591.0, 5284.0, 5636.0, 5533.0, 5679.0, 5630.0, 5514.0, 5500.0, 5327.0, 5586.0, 5491.0, 5663.0, 5424.0, 5572.0, 5408.0, 5525.0, 5378.0, 5617.0, 5429.0, 5255.0, 5274.0, 5286.0, 5622.0, 5252.0, 5563.0, 5544.0, 5637.0, 5290.0, 5554.0, 5253.0, 5531.0, 5411.0, 5545.0, 5519.0, 5509.0, 5720.0, 5373.0, 5664.0, 5456.0, 5601.0 (number of hits: 12)
23	5510.0	9	1.0	333	1	5718.0, 5305.0, 5460.0, 5696.0, 5489.0, 5355.0, 5487.0, 5631.0, 5513.0, 5667.0, 5469.0, 5354.0, 5399.0, 5465.0, 5427.0, 5267.0, 5656.0, 5281.0, 5413.0, 5605.0, 5577.0, 5535.0, 5323.0, 5530.0, 5488.0, 5376.0, 5332.0, 5293.0, 5653.0, 5303.0, 5512.0, 5258.0, 5697.0, 5562.0, 5441.0, 5437.0, 5724.0, 5541.0, 5574.0, 5600.0, 5411.0, 5265.0, 5719.0, 5635.0, 5713.0, 5624.0, 5476.0, 5442.0, 5650.0, 5720.0, 5642.0, 5630.0, 5640.0, 5603.0, 5333.0, 5270.0, 5356.0, 5360.0, 5521.0, 5595.0, 5579.0, 5388.0, 5414.0, 5658.0, 5641.0, 5493.0, 5396.0, 5254.0, 5608.0, 5361.0, 5386.0, 5678.0, 5567.0, 5683.0, 5311.0, 5262.0, 5492.0, 5564.0, 5278.0, 5587.0, 5308.0, 5620.0, 5538.0, 5524.0, 5646.0, 5351.0, 5529.0, 5496.0, 5260.0, 5518.0, 5416.0, 5528.0, 5654.0, 5622.0, 5672.0, 5345.0, 5348.0, 5593.0, 5668.0, 5363.0 (number of hits: 8)

24	5510.0	9	1.0	333	1	5391.0, 5538.0, 5335.0, 5465.0, 5574.0, 5470.0, 5707.0, 5292.0, 5264.0, 5666.0, 5461.0, 5478.0, 5591.0, 5573.0, 5678.0, 5309.0, 5270.0, 5548.0, 5703.0, 5344.0, 5656.0, 5667.0, 5473.0, 5366.0, 5708.0, 5267.0, 5329.0, 5287.0, 5424.0, 5694.0, 5570.0, 5418.0, 5534.0, 5384.0, 5327.0, 5330.0, 5293.0, 5377.0, 5532.0, 5528.0, 5542.0, 5310.0, 5544.0, 5557.0, 5701.0, 5325.0, 5593.0, 5375.0, 5407.0, 5392.0, 5500.0, 5402.0, 5445.0, 5670.0, 5433.0, 5587.0, 5350.0, 5340.0, 5336.0, 5522.0, 5643.0, 5697.0, 5291.0, 5684.0, 5276.0, 5488.0, 5271.0, 5479.0, 5599.0, 5632.0, 5401.0, 5428.0, 5649.0, 5501.0, 5474.0, 5696.0, 5282.0, 5295.0, 5547.0, 5489.0, 5706.0, 5354.0, 5442.0, 5419.0, 5425.0, 5333.0, 5683.0, 5483.0, 5305.0, 5702.0, 5356.0, 5644.0, 5360.0, 5432.0, 5686.0, 5658.0, 5315.0, 5450.0, 5273.0, 5635.0 (number of hits: 3)
25	5510.0	9	1.0	333	1	5527.0, 5504.0, 5435.0, 5649.0, 5419.0, 5307.0, 5306.0, 5369.0, 5375.0, 5530.0, 5516.0, 5585.0, 5261.0, 5664.0, 5552.0, 5336.0, 5257.0, 5425.0, 5509.0, 5549.0, 5267.0, 5438.0, 5605.0, 5505.0, 5373.0, 5380.0, 5627.0, 5662.0, 5626.0, 5723.0, 5646.0, 5597.0, 5460.0, 5548.0, 5344.0, 5533.0, 5590.0, 5345.0, 5639.0, 5540.0, 5321.0, 5698.0, 5569.0, 5643.0, 5680.0, 5273.0, 5546.0, 5521.0, 5484.0, 5451.0, 5353.0, 5342.0, 5374.0, 5553.0, 5508.0, 5658.0, 5705.0, 5314.0, 5693.0, 5446.0, 5338.0, 5351.0, 5583.0, 5255.0, 5470.0, 5357.0, 5477.0, 5709.0, 5300.0, 5401.0, 5488.0, 5376.0, 5611.0, 5283.0, 5544.0, 5411.0, 5574.0, 5622.0, 5379.0, 5581.0, 5309.0, 5399.0, 5517.0, 5348.0, 5430.0, 5690.0, 5551.0, 5271.0, 5580.0, 5294.0, 5684.0, 5618.0, 5683.0, 5561.0, 5573.0, 5275.0, 5478.0, 5287.0, 5577.0, 5625.0 (number of hits: 8)
26	5510.0	9	1.0	333	1	5399.0, 5348.0, 5681.0, 5262.0, 5487.0, 5512.0, 5556.0, 5369.0, 5591.0, 5424.0, 5273.0, 5293.0, 5496.0, 5446.0, 5495.0, 5371.0, 5706.0, 5539.0, 5613.0, 5412.0, 5389.0, 5705.0, 5616.0, 5455.0, 5694.0, 5406.0, 5686.0, 5400.0, 5284.0, 5630.0, 5622.0, 5338.0, 5356.0, 5666.0, 5447.0, 5321.0, 5575.0, 5326.0, 5475.0, 5637.0, 5485.0, 5311.0, 5324.0, 5590.0, 5360.0, 5430.0, 5584.0, 5465.0, 5450.0, 5712.0, 5456.0, 5390.0, 5445.0, 5588.0, 5662.0, 5386.0, 5583.0, 5291.0, 5546.0, 5631.0, 5363.0, 5466.0, 5541.0, 5515.0, 5308.0, 5385.0, 5420.0, 5277.0, 5707.0, 5290.0, 5428.0, 5510.0, 5601.0, 5414.0, 5384.0, 5423.0, 5431.0, 5708.0, 5689.0, 5393.0, 5719.0, 5404.0, 5504.0, 5723.0, 5651.0, 5664.0, 5685.0, 5323.0, 5334.0, 5381.0, 5460.0, 5436.0, 5674.0, 5493.0, 5258.0, 5347.0, 5647.0, 5585.0, 5306.0, 5365.0 (number of hits: 7)
27	5510.0	9	1.0	333	1	5409.0, 5626.0, 5371.0, 5553.0, 5263.0, 5521.0, 5692.0, 5449.0, 5616.0, 5392.0, 5552.0, 5715.0, 5504.0, 5691.0, 5350.0, 5641.0, 5601.0, 5385.0, 5506.0, 5542.0, 5611.0, 5566.0, 5667.0, 5528.0, 5253.0, 5327.0, 5661.0, 5374.0, 5457.0, 5431.0, 5515.0, 5480.0, 5317.0, 5430.0, 5396.0, 5606.0, 5402.0, 5365.0, 5711.0, 5686.0, 5455.0, 5380.0, 5648.0, 5517.0, 5433.0, 5314.0, 5505.0, 5453.0, 5672.0, 5559.0, 5379.0, 5675.0, 5546.0, 5615.0, 5619.0, 5311.0, 5336.0, 5276.0, 5640.0, 5588.0, 5408.0, 5438.0, 5447.0, 5621.0, 5678.0, 5427.0, 5534.0, 5501.0, 5477.0, 5458.0, 5676.0, 5573.0, 5545.0, 5536.0, 5656.0, 5689.0, 5399.0, 5445.0, 5307.0, 5331.0, 5589.0, 5323.0, 5421.0, 5423.0, 5287.0, 5539.0, 5700.0, 5372.0, 5527.0, 5386.0, 5706.0, 5550.0, 5489.0, 5526.0, 5362.0, 5330.0, 5383.0, 5593.0, 5476.0, 5486.0 (number of hits: 9)
28	5510.0	9	1.0	333	1	5377.0, 5647.0, 5617.0, 5521.0, 5375.0, 5687.0, 5518.0, 5321.0, 5390.0, 5525.0, 5710.0, 5420.0, 5322.0, 5488.0, 5391.0, 5721.0, 5610.0, 5541.0, 5697.0, 5528.0, 5532.0, 5707.0, 5453.0, 5463.0, 5269.0, 5552.0, 5557.0, 5510.0, 5461.0, 5335.0, 5367.0, 5582.0, 5575.0, 5400.0, 5370.0, 5404.0, 5482.0, 5443.0, 5426.0, 5498.0, 5464.0, 5472.0, 5344.0, 5256.0, 5539.0, 5279.0, 5384.0, 5624.0, 5294.0, 5585.0, 5263.0, 5583.0, 5278.0, 5292.0, 5607.0, 5366.0, 5266.0, 5253.0, 5478.0, 5595.0, 5447.0, 5686.0, 5365.0, 5547.0, 5581.0, 5534.0, 5340.0, 5605.0, 5345.0, 5608.0, 5255.0, 5543.0,

						5486.0, 5540.0, 5612.0, 5718.0, 5569.0, 5467.0, 5298.0, 5289.0, 5338.0, 5258.0, 5711.0, 5508.0, 5670.0, 5457.0, 5554.0, 5517.0, 5468.0, 5600.0, 5388.0, 5286.0, 5689.0, 5618.0, 5657.0, 5430.0, 5696.0, 5701.0, 5446.0, 5337.0 (number of hits: 7)
29	5510.0	9	1.0	333	1	5620.0, 5333.0, 5468.0, 5580.0, 5282.0, 5345.0, 5421.0, 5612.0, 5693.0, 5481.0, 5377.0, 5461.0, 5622.0, 5389.0, 5547.0, 5395.0, 5564.0, 5634.0, 5469.0, 5719.0, 5301.0, 5651.0, 5357.0, 5296.0, 5261.0, 5614.0, 5584.0, 5487.0, 5710.0, 5474.0, 5587.0, 5363.0, 5388.0, 5535.0, 5662.0, 5286.0, 5640.0, 5347.0, 5415.0, 5501.0, 5307.0, 5573.0, 5660.0, 5402.0, 5496.0, 5348.0, 5400.0, 5352.0, 5695.0, 5443.0, 5589.0, 5270.0, 5444.0, 5429.0, 5458.0, 5477.0, 5456.0, 5342.0, 5390.0, 5462.0, 5555.0, 5368.0, 5269.0, 5526.0, 5656.0, 5576.0, 5294.0, 5478.0, 5251.0, 5412.0, 5485.0, 5617.0, 5328.0, 5302.0, 5593.0, 5504.0, 5455.0, 5311.0, 5692.0, 5319.0, 5578.0, 5454.0, 5545.0, 5590.0, 5697.0, 5599.0, 5525.0, 5375.0, 5559.0, 5493.0, 5440.0, 5367.0, 5284.0, 5306.0, 5652.0, 5641.0, 5467.0, 5672.0, 5592.0, 5383.0 (number of hits: 6)
30	5510.0	9	1.0	333	1	5460.0, 5441.0, 5334.0, 5711.0, 5696.0, 5549.0, 5398.0, 5613.0, 5413.0, 5657.0, 5425.0, 5552.0, 5618.0, 5699.0, 5453.0, 5682.0, 5635.0, 5516.0, 5422.0, 5452.0, 5510.0, 5622.0, 5345.0, 5280.0, 5347.0, 5405.0, 5353.0, 5669.0, 5587.0, 5630.0, 5252.0, 5625.0, 5599.0, 5519.0, 5648.0, 5318.0, 5315.0, 5504.0, 5346.0, 5279.0, 5282.0, 5296.0, 5395.0, 5433.0, 5569.0, 5484.0, 5469.0, 5490.0, 5576.0, 5547.0, 5581.0, 5617.0, 5717.0, 5666.0, 5597.0, 5606.0, 5692.0, 5663.0, 5608.0, 5709.0, 5525.0, 5638.0, 5424.0, 5443.0, 5263.0, 5286.0, 5439.0, 5417.0, 5619.0, 5352.0, 5253.0, 5275.0, 5595.0, 5281.0, 5690.0, 5488.0, 5695.0, 5649.0, 5486.0, 5375.0, 5583.0, 5261.0, 5598.0, 5412.0, 5464.0, 5689.0, 5589.0, 5386.0, 5556.0, 5319.0, 5567.0, 5494.0, 5670.0, 5392.0, 5289.0, 5255.0, 5340.0, 5262.0, 5614.0, 5592.0 (number of hits: 6)

P2MP Client Mode
Iron Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	80 %	60%	Pass
Type 3	30	73.3 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	80%	Pass
Type 5	30	96.7 %	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	70	1.0	758	1
2	76	1.0	698	1
3	58	1.0	918	1
4	61	1.0	878	1
5	83	1.0	638	1
6	72	1.0	738	1
7	86	1.0	618	1
8	67	1.0	798	1
9	81	1.0	658	1
10	92	1.0	578	1
11	89	1.0	598	1
12	65	1.0	818	1
13	63	1.0	838	1
14	57	1.0	938	1
15	59	1.0	898	1
1	30	1.0	1788	1
2	18	1.0	2994	1
3	30	1.0	1816	1
4	40	1.0	1335	1
5	28	1.0	1889	1
6	18	1.0	3051	1
7	33	1.0	1631	1
8	21	1.0	2551	1
9	42	1.0	1264	1
10	48	1.0	1105	1
11	20	1.0	2667	1
12	95	1.0	556	1
13	20	1.0	2753	1
14	20	1.0	2681	1
15	55	1.0	966	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	26	1.5	179	0
2	29	1.2	219	1
3	24	4.0	205	1
4	27	1.4	213	0
5	29	4.8	182	1
6	26	4.2	218	1
7	29	2.2	172	1
8	25	1.8	154	1
9	27	4.2	199	1
10	23	4.3	199	1
11	28	4.4	181	1
12	28	3.0	159	1
13	29	1.4	197	1
14	28	4.4	201	0
15	29	5.0	222	1
16	27	4.9	180	1
17	26	3.5	167	1
18	23	3.9	174	1
19	25	1.0	219	1
20	23	3.3	214	1
21	29	2.1	173	0
22	25	3.9	216	1
23	28	3.0	221	1
24	23	2.4	186	1
25	28	1.0	169	0
26	23	5.0	198	1
27	24	1.5	227	0
28	25	2.3	189	1
29	25	1.2	192	1
30	24	3.9	229	1
Detection Percentage: 80 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	9.7	448	1
2	18	10.0	460	1
3	18	7.5	237	1
4	17	7.9	233	1
5	18	9.2	250	0
6	18	6.1	442	1
7	17	7.3	202	1
8	18	7.1	255	1
9	16	6.1	345	1
10	17	9.5	370	1
11	17	6.8	298	0
12	18	9.2	478	1
13	16	7.0	441	0
14	16	8.6	392	1
15	16	6.2	483	1
16	18	6.4	464	0
17	17	6.1	401	1
18	18	6.5	334	1
19	17	9.0	485	0
20	17	9.0	459	1
21	18	7.6	234	1
22	18	8.3	344	1
23	17	7.2	362	0
24	16	9.4	429	0
25	16	8.2	495	1
26	18	9.5	321	1
27	16	6.0	290	1
28	17	8.9	277	1
29	18	9.3	316	0
30	17	8.2	279	1
Detection Percentage: 73.3 % (>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	12	11.3	393	1
2	12	17.6	216	1
3	14	13.5	233	1
4	13	18.0	246	1
5	12	15.4	371	1
6	12	11.5	262	1
7	16	12.5	386	0
8	13	14.8	468	1
9	16	18.3	284	1
10	16	19.5	436	1
11	14	13.5	359	1
12	15	14.2	328	1
13	12	19.7	392	1
14	15	14.8	448	0
15	12	19.8	293	1
16	12	15.2	478	1
17	16	17.5	308	1
18	13	19.4	390	1
19	16	14.6	321	1
20	15	12.2	473	1
21	14	12.0	354	1
22	13	12.2	355	0
23	14	16.9	316	0
24	13	13.0	444	1
25	13	13.4	489	0
26	14	14.7	332	1
27	15	18.3	465	1
28	12	14.0	392	1
29	15	20.0	349	1
30	12	19.9	219	1
Detection Percentage: 83.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	0
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	5496.1	1
12	5498.9	1
13	5496.1	1
14	5494.9	1
15	5498.9	1
16	5498.9	1
17	5494.9	1
18	5499.7	1
19	5494.9	1
20	5496.9	1
21	5563.9	1
22	5561.9	1
23	5560.3	1
24	5564.7	1
25	5561.5	1
26	5562.3	1
27	5560.3	1
28	5562.7	1
29	5561.5	1
30	5565.1	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	89.6	1860		0.767718	0
1	2	16	73.5	1052		1.284713	
2	2	16	51.5	1260		2.381686	
3	3	16	81.9	1898	1677	2.685789	
4	2	16	70.6	1668		4.122797	
5	2	16	79.6	1656		4.637767	
6	3	16	97.0	1801	1235	5.563118	
7	2	16	57.7	1247		6.399948	
8	2	16	78.0	1847		7.379101	
9	2	16	61.7	1986		7.913425	
10	2	16	89.5	1161		8.990931	
11	2	16	84.8	1636		10.239874	
12	2	16	61.5	1530		10.389389	
13	1	16	58.6			11.202984	

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	15	72.1	1910	1916	0.625126	1
1	3	15	72.9	1178	1090	1.257378	
2	2	15	51.5	1538		1.801665	
3	3	15	80.0	1924	1969	2.998719	
4	1	15	82.4			3.739535	
5	2	15	69.8	1138		4.555939	
6	3	15	97.1	1358	1563	5.140015	
7	2	15	51.2	1683		5.929562	
8	3	15	76.5	1422	1065	7.060044	
9	1	15	79.7			7.693583	
10	2	15	64.7	1453		8.423092	
11	2	15	60.7	1681		8.875110	
12	3	15	90.7	1204	1166	9.918610	
13	1	15	82.0			11.138223	
14	3	15	63.4	1645	1815	11.933129	

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	8	52.7	1320		0.299738	1
1	2	8	62.1	1534		0.928529	
2	3	8	50.9	1430	1348	1.706370	
3	2	8	96.4	1412		2.178693	
4	2	8	74.2	1156		2.702327	
5	3	8	85.5	1262	1890	3.465945	
6	3	8	57.8	1882	1784	4.145325	
7	1	8	90.1			4.307339	
8	2	8	79.0	1945		4.878932	
9	1	8	73.6			5.811734	
10	1	8	65.1			6.439179	
11	2	8	65.4	1358		6.787855	
12	3	8	97.0	1484	1219	7.619151	
13	2	8	97.2	1910		8.088669	
14	3	8	99.2	1681	1074	8.464740	
15	1	8	72.1			9.042739	
16	2	8	82.9	1437		9.982599	
17	2	8	84.7	1807		10.279594	
18	3	8	83.3	1747	1017	11.196582	
19	1	8	89.9			11.938977	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	58.2			0.711742	1
1	2	13	82.7	1218		1.630144	
2	2	13	61.5	1784		2.089368	
3	2	13	86.3	1145		3.008605	
4	2	13	99.0	1437		4.166323	
5	2	13	90.1	1808		5.065271	
6	2	13	57.4	1466		5.870108	
7	2	13	98.2	1388		6.392192	
8	1	13	96.1			7.062833	
9	2	13	72.0	1361		8.083085	
10	3	13	53.9	1580	1982	8.711705	
11	1	13	76.5			10.010815	
12	2	13	78.9	1925		10.961040	
13	3	13	93.5	1276	1879	11.229865	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	54.4	1066	1834	0.229450	
1	2	7	97.4	1198		1.447510	
2	3	7	52.3	1278	1757	2.224404	
3	2	7	58.2	1684		3.303722	
4	3	7	99.1	1249	1410	3.845919	
5	3	7	87.5	1377	1339	4.619555	
6	2	7	58.4	1423		5.564135	1
7	2	7	77.8	1129		6.508443	
8	3	7	75.0	1412	1153	8.052015	
9	2	7	60.9	1673		8.731857	
10	2	7	79.6	1192		9.707262	
11	3	7	92.0	1449	1793	10.675604	
12	3	7	54.5	1272	1500	11.913391	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	65.7	1785		0.828176	
1	2	12	91.0	1758		1.716721	
2	2	12	97.9	1809		3.598143	
3	2	12	94.5	1147		4.915203	
4	2	12	89.3	1248		6.050864	1
5	1	12	99.9			7.887781	
6	2	12	84.2	1313		8.461815	
7	3	12	85.5	1077	1767	10.050748	
8	2	12	99.2	1895		11.824197	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	83.0	1872		0.866878	1
1	2	10	76.0	1854		1.768086	
2	3	10	55.4	1598	1900	2.393998	
3	2	10	88.7	1121		3.955644	
4	1	10	50.8			4.116425	
5	2	10	83.4	1163		5.961389	
6	2	10	90.0	1646		6.666900	
7	1	10	55.7			7.218849	
8	2	10	94.6	1722		8.052293	
9	2	10	67.1	1406		9.208400	
10	1	10	87.0			10.401022	
11	1	10	85.3			11.435420	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	93.4	1755		0.313365	1
1	2	13	73.6	1897		0.717388	
2	1	13	75.5			1.824818	
3	2	13	66.1	1783		2.739056	
4	2	13	85.2	1509		2.923997	
5	1	13	54.8			3.605527	
6	2	13	94.5	1623		4.280277	
7	2	13	82.5	1948		5.558979	
8	2	13	94.8	1299		6.206290	
9	2	13	92.5	1244		6.777493	
10	3	13	59.3	1378	1978	7.614622	
11	3	13	82.0	1795	1517	7.900791	
12	1	13	76.1			8.600900	
13	3	13	67.3	1288	1127	9.289963	
14	1	13	50.1			10.384591	
15	2	13	86.0	1103		11.148513	
16	2	13	80.8	1520		11.501486	

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	90.5	1508	1092	0.313107	
1	3	9	93.8	1042	1110	1.695639	
2	3	9	91.6	1513	1040	2.638319	
3	1	9	65.5			3.248768	
4	3	9	99.6	1111	1931	3.931171	
5	1	9	81.1			4.772936	
6	2	9	50.8	1634		5.689807	1
7	2	9	84.0	1003		7.342275	
8	3	9	56.2	1043	1973	7.681151	
9	3	9	83.0	1219	1460	9.063319	
10	3	9	74.9	1868	1981	9.944806	
11	2	9	98.7	1206		10.904315	
12	2	9	72.5	1458		11.345729	

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	7	74.0	1754		1.036747	
1	1	7	95.7			1.546415	
2	2	7	62.3	1777		2.193715	
3	2	7	62.4	1294		3.843074	
4	2	7	84.8	1514		4.578528	
5	3	7	97.0	1969	1577	6.118053	1
6	1	7	85.1			7.539780	
7	2	7	71.9	1799		7.955983	
8	2	7	74.8	1046		8.901997	
9	1	7	67.7			10.072068	
10	3	7	94.9	1432	1019	11.636987	

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	9	54.1	1852		1.037910	1
1	2	9	60.8	1656		2.296573	
2	3	9	76.0	1117	1205	3.362054	
3	3	9	71.0	1428	1317	5.921197	
4	2	9	80.8	1371		6.974028	
5	2	9	71.0	1742		8.054537	
6	3	9	53.7	1876	1696	9.936194	
7	1	9	77.7			10.949953	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	52.9	1290		0.092411	1
1	2	16	66.5	1781		1.240855	
2	3	16	69.0	1031	1090	2.389827	
3	2	16	94.1	1633		2.643975	
4	1	16	81.6			4.012934	
5	3	16	99.3	1194	1562	4.333929	
6	1	16	95.4			5.386139	
7	1	16	85.9			6.031909	
8	2	16	84.0	1576		7.271449	
9	2	16	78.4	1309		8.440629	
10	3	16	78.8	1557	1073	9.030736	
11	2	16	56.0	1632		9.566366	
12	1	16	90.7			10.857673	
13	3	16	74.0	1554	1710	11.892601	

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	9	78.4	1666		0.476299	
1	3	9	87.6	1460	1210	2.173762	
2	3	9	98.3	1979	1309	3.180854	
3	1	9	77.4			4.709844	
4	3	9	71.6	1599	1389	5.757671	1
5	2	9	51.7	1348		7.576181	
6	3	9	99.2	1211	1888	8.337683	
7	1	9	58.9			9.724536	
8	2	9	54.5	1642		11.887430	

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	6	91.5	1285		0.310723	
1	2	6	68.1	1430		0.863163	
2	2	6	84.0	1800		2.137684	
3	1	6	91.3			2.704062	
4	3	6	57.3	1057	1543	3.338982	
5	1	6	90.0			4.006332	
6	2	6	62.8	1043		5.555379	
7	1	6	53.4			6.147744	1
8	1	6	84.8			6.696982	
9	1	6	61.2			7.660459	
10	3	6	80.0	1195	1695	8.476000	
11	3	6	89.7	1012	1285	9.385526	
12	2	6	77.3	1399		10.110139	
13	3	6	65.6	1368	1289	10.617206	
14	3	6	98.1	1170	1857	11.949380	

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	16	63.0	1837		0.719145	
1	1	16	87.8			2.062305	
2	2	16	56.3	1962		3.048218	
3	2	16	73.2	1693		4.031532	
4	1	16	93.6			4.379823	
5	1	16	85.3			6.265055	1
6	1	16	78.6			7.602961	
7	1	16	87.9			8.342114	
8	1	16	69.8			8.857758	
9	1	16	67.5			10.023806	
10	1	16	98.4			11.777694	

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	16	83.2	1747		0.425903	
1	1	16	69.7			0.904622	
2	2	16	69.2	1796		1.759017	
3	1	16	89.1			2.069365	
4	3	16	76.5	1519	1691	2.608176	
5	2	16	51.6	1908		3.207206	
6	2	16	94.6	1290		3.910595	
7	1	16	94.7			4.772795	
8	2	16	57.6	1330		5.137403	
9	3	16	76.5	1114	1208	5.830053	1
10	1	16	89.1			6.724437	
11	2	16	90.4	1626		6.974568	
12	2	16	93.9	1466		7.959064	
13	2	16	63.8	1802		8.668979	
14	2	16	61.9	1145		8.984298	
15	1	16	66.3			10.099984	
16	1	16	73.1			10.611386	
17	2	16	84.1	1727		11.357190	
18	3	16	68.9	1133	1016	11.981756	

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	6	61.3	1312		0.231733	
1	2	6	62.3	1036		1.207318	
2	2	6	66.4	1765		1.543583	
3	3	6	76.4	1588	1107	2.191616	
4	2	6	65.9	1192		2.545846	
5	2	6	53.6	1398		3.392729	
6	2	6	64.6	1844		4.238138	
7	2	6	80.9	1449		4.472896	
8	2	6	93.1	1834		5.121778	
9	3	6	90.1	1104	1555	5.752992	1
10	1	6	70.7			6.497212	
11	2	6	55.6	1841		7.138294	
12	1	6	73.4			7.618423	
13	3	6	95.2	1656	1594	8.483738	
14	2	6	75.5	1039		9.095811	
15	2	6	55.1	1605		10.034307	
16	2	6	55.5	1073		10.690745	
17	1	6	66.0			11.193177	
18	1	6	77.0			11.819320	

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	73.4	1479		0.088777	
1	2	18	88.1	1031		1.118571	
2	3	18	69.6	1123	1194	1.814434	
3	1	18	91.9			2.835188	
4	2	18	83.3	1634		3.658030	
5	2	18	90.9	1791		4.436561	
6	2	18	88.8	1869		5.112440	
7	3	18	88.4	1992	1012	5.369004	
8	2	18	71.1	1150		6.663320	1
9	2	18	61.0	1658		7.378388	
10	2	18	96.9	1878		8.027288	
11	3	18	78.3	1343	1226	8.911640	
12	2	18	57.1	1379		9.152978	
13	2	18	81.9	1523		9.954886	
14	2	18	54.0	1028		10.894502	
15	2	18	87.7	1532		11.418015	

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	6	69.4	1320		0.757587	1
1	1	6	88.4			1.221776	
2	2	6	72.2	1580		2.273554	
3	2	6	95.4	1679		3.100093	
4	2	6	95.7	1619		3.436552	
5	2	6	99.0	1469		5.005676	
6	3	6	82.6	1777	1157	5.885816	
7	2	6	83.4	1591		6.026476	
8	2	6	55.0	1353		7.341777	
9	2	6	53.7	1178		8.306860	
10	3	6	68.7	1545	1502	9.416442	
11	2	6	73.0	1417		9.775984	
12	3	6	59.1	1205	1207	10.570888	
13	3	6	59.2	1315	1718	11.912579	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	70.4	1460		0.020017	1
1	3	11	61.7	1089	1888	2.822040	
2	1	11	88.7			3.696362	
3	2	11	77.4	1879		4.602427	
4	1	11	68.5			6.368609	
5	3	11	53.7	1457	1898	8.873661	
6	2	11	79.5	1439		10.015465	
7	3	11	51.1	1078	1283	10.949010	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	76.4	1949		0.218782	
1	1	9	74.5			0.764760	
2	2	9	74.2	1382		1.688570	
3	3	9	98.2	1165	1408	2.589215	
4	3	9	65.1	1599	1153	2.964069	
5	1	9	52.9			3.843678	
6	2	9	88.8	1987		4.394896	
7	3	9	64.6	1703	1621	4.674534	
8	3	9	87.2	1466	1755	5.983108	
9	2	9	83.9	1363		6.584187	1
10	2	9	72.1	1453		6.906193	
11	2	9	52.0	1858		7.960363	
12	1	9	85.0			8.309139	
13	1	9	96.2			9.268687	
14	2	9	84.4	1667		9.572401	
15	1	9	93.6			10.527302	
16	1	9	94.4			10.982175	
17	3	9	74.8	1299	1972	11.687111	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	14	97.3	1936		0.895298	
1	3	14	56.6	1597	1408	1.706885	
2	1	14	57.4			2.423994	
3	3	14	63.3	1469	1103	4.327540	
4	3	14	73.8	1905	1834	4.854398	
5	3	14	55.1	1875	1384	6.087792	1
6	2	14	89.6	1912		7.619622	
7	1	14	88.3			7.738475	
8	3	14	74.4	1659	1036	9.732577	
9	3	14	70.8	1965	1622	10.683305	
10	3	14	55.5	1546	1378	10.967774	

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	97.8	1512		0.555357	1
1	2	18	82.7	1125		1.579561	
2	2	18	80.6	1523		2.071542	
3	2	18	81.0	1511		3.639953	
4	1	18	77.7			4.916439	
5	1	18	61.2			5.902491	
6	3	18	80.3	1726	1814	6.756845	
7	3	18	87.3	1862	1149	7.110499	
8	3	18	91.8	1871	1479	8.432617	
9	1	18	53.9			9.349895	
10	1	18	99.5			10.349632	
11	2	18	91.9	1363		11.231925	

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	85.8			0.290655	
1	1	7	76.4			0.880979	
2	1	7	53.8			1.466639	
3	2	7	92.9	1256		2.301323	
4	3	7	54.1	1875	1793	3.494700	
5	3	7	61.5	1998	1359	4.226820	
6	1	7	99.3			4.281808	
7	2	7	97.7	1803		5.090962	
8	3	7	69.5	1370	1954	5.846842	1
9	2	7	60.3	1535		6.525265	
10	3	7	71.4	1700	1035	7.695404	
11	3	7	90.1	1593	1863	8.182474	
12	2	7	80.8	1389		8.877793	
13	3	7	89.7	1749	1138	9.767614	
14	1	7	61.4			10.095355	
15	1	7	74.2			10.783398	
16	2	7	93.3	1031		11.989174	

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	15	57.1	1379		0.669844	
1	3	15	81.2	1054	1947	1.265161	
2	3	15	95.0	1519	1830	2.465735	
3	2	15	93.3	1885		2.997202	
4	2	15	65.9	1012		4.457571	
5	1	15	53.7			5.166880	
6	2	15	98.0	1440		5.578752	1
7	2	15	55.3	1384		6.996153	
8	1	15	93.1			7.868565	
9	2	15	83.7	1178		8.417266	
10	2	15	79.2	1244		9.651563	
11	3	15	89.2	1228	1225	11.060311	
12	3	15	81.8	1505	1769	11.651455	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	76.2	1004	1249	0.368409	
1	2	13	92.3	1127		1.401438	
2	2	13	50.1	1855		2.036041	
3	2	13	58.3	1539		3.389472	
4	3	13	87.9	1257	1557	4.559584	
5	3	13	78.2	1499	1616	5.086276	
6	3	13	92.5	1790	1051	5.547448	1
7	2	13	83.0	1166		6.935851	
8	3	13	93.3	1567	1220	8.049258	
9	1	13	51.6			9.066589	
10	2	13	64.0	1146		10.078533	
11	1	13	85.3			10.846301	
12	3	13	89.1	1668	1977	11.885898	

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	18	61.9	1880		0.793156	
1	3	18	96.6	1932	1738	1.839475	
2	2	18	93.5	1115		2.464297	
3	3	18	92.4	1005	1978	3.566935	
4	2	18	99.7	1250		4.480329	
5	2	18	72.7	1710		5.576129	1
6	1	18	93.8			7.522314	
7	2	18	86.0	1650		8.438509	
8	2	18	95.5	1122		8.985704	
9	2	18	58.4	1598		10.337391	
10	2	18	88.5	1234		11.409902	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	98.4	1945	1569	0.689562	1
1	3	12	68.3	1143	1061	1.172650	
2	2	12	52.7	1693		2.263188	
3	2	12	61.9	1309		2.821364	
4	2	12	69.0	1621		3.822838	
5	2	12	96.2	1056		4.910385	
6	3	12	80.3	1012	1698	5.338282	
7	3	12	52.9	1729	1391	6.728626	
8	2	12	81.1	1895		6.972635	
9	2	12	93.0	1514		8.173130	
10	2	12	52.3	1808		9.058275	
11	2	12	64.7	1374		10.271147	
12	2	12	50.1	1601		10.620677	
13	3	12	93.9	1189	1278	11.181975	

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	15	73.8	1355		0.483973	1
1	2	15	66.5	1457		1.384955	
2	3	15	54.6	1507	1107	2.036455	
3	2	15	62.0	1746		2.867117	
4	2	15	55.8	1564		3.992954	
5	3	15	85.8	1811	1159	4.668565	
6	2	15	60.0	1580		5.097640	
7	1	15	90.4			6.297315	
8	2	15	62.4	1726		6.563346	
9	1	15	65.5			7.908910	
10	2	15	85.7	1533		8.792511	
11	1	15	71.5			9.089886	
12	2	15	54.8	1214		9.696308	
13	1	15	69.1			10.826845	
14	2	15	79.2	1701		11.753163	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	52.0			0.068907	
1	2	6	95.9	1869		1.645389	
2	3	6	75.0	1066	1821	3.154698	
3	1	6	84.0			4.734843	
4	2	6	72.6	1696		5.793843	1
5	3	6	80.3	1093	1040	7.983137	
6	2	6	73.3	1995		9.290989	
7	3	6	67.9	1438	1808	10.289783	
8	3	6	94.9	1779	1296	11.233415	

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	5665.0, 5272.0, 5334.0, 5475.0, 5378.0, 5541.0, 5327.0, 5353.0, 5417.0, 5309.0, 5530.0, 5537.0, 5632.0, 5299.0, 5306.0, 5674.0, 5363.0, 5574.0, 5705.0, 5638.0, 5466.0, 5371.0, 5503.0, 5664.0, 5487.0, 5584.0, 5622.0, 5453.0, 5697.0, 5459.0, 5586.0, 5481.0, 5422.0, 5619.0, 5547.0, 5270.0, 5682.0, 5344.0, 5605.0, 5419.0, 5360.0, 5690.0, 5460.0, 5552.0, 5470.0, 5343.0, 5281.0, 5439.0, 5555.0, 5598.0, 5686.0, 5276.0, 5698.0, 5609.0, 5662.0, 5599.0, 5297.0, 5324.0, 5606.0, 5562.0, 5569.0, 5393.0, 5702.0, 5625.0, 5496.0, 5637.0, 5495.0, 5305.0, 5318.0, 5468.0, 5331.0, 5304.0, 5510.0, 5411.0, 5515.0, 5600.0, 5339.0, 5467.0, 5651.0, 5404.0, 5312.0, 5403.0, 5418.0, 5582.0, 5469.0, 5532.0, 5421.0, 5429.0, 5266.0, 5641.0, 5387.0, 5604.0, 5454.0, 5271.0, 5540.0, 5350.0, 5346.0, 5643.0, 5581.0, 5703.0 (number of hits: 14)
2	5530.0	9	1.0	333	1	5620.0, 5376.0, 5615.0, 5523.0, 5527.0, 5419.0, 5273.0, 5327.0, 5393.0, 5478.0, 5625.0, 5514.0, 5386.0, 5442.0, 5457.0, 5353.0, 5587.0, 5440.0, 5557.0, 5318.0, 5649.0, 5612.0, 5665.0, 5427.0, 5325.0, 5445.0, 5459.0, 5264.0, 5719.0, 5662.0, 5455.0, 5491.0, 5303.0, 5293.0, 5316.0, 5443.0, 5406.0, 5470.0, 5328.0, 5559.0, 5659.0, 5584.0, 5407.0, 5626.0, 5468.0, 5711.0, 5684.0, 5608.0, 5257.0, 5679.0, 5600.0, 5395.0, 5589.0, 5313.0, 5604.0, 5543.0, 5581.0, 5344.0, 5710.0, 5532.0, 5428.0, 5563.0, 5473.0, 5672.0, 5555.0, 5688.0, 5434.0, 5312.0, 5685.0, 5400.0, 5436.0, 5355.0, 5421.0, 5375.0, 5317.0, 5716.0, 5351.0, 5654.0, 5554.0, 5614.0, 5352.0, 5403.0, 5709.0, 5345.0, 5560.0, 5500.0, 5643.0, 5650.0, 5296.0, 5503.0, 5298.0, 5677.0, 5528.0, 5350.0, 5574.0, 5621.0, 5705.0, 5533.0, 5467.0, 5607.0 (number of hits: 15)
3	5530.0	9	1.0	333	1	5306.0, 5686.0, 5326.0, 5666.0, 5702.0, 5277.0, 5714.0, 5695.0, 5696.0, 5635.0, 5421.0, 5634.0, 5705.0, 5504.0, 5723.0, 5479.0, 5511.0, 5373.0, 5663.0, 5685.0, 5657.0, 5552.0, 5285.0, 5690.0, 5322.0, 5427.0, 5406.0, 5601.0, 5405.0, 5382.0, 5485.0, 5358.0, 5584.0, 5255.0, 5588.0, 5445.0, 5416.0, 5437.0, 5459.0, 5345.0, 5338.0, 5458.0, 5512.0, 5683.0, 5537.0, 5376.0, 5301.0, 5257.0, 5346.0, 5413.0, 5371.0, 5289.0, 5310.0, 5266.0, 5252.0, 5426.0, 5489.0, 5610.0, 5387.0, 5260.0, 5561.0, 5471.0, 5484.0, 5343.0, 5295.0, 5264.0, 5617.0, 5480.0, 5432.0, 5411.0, 5357.0, 5529.0, 5536.0, 5602.0, 5520.0, 5493.0, 5624.0, 5307.0, 5597.0, 5600.0, 5389.0, 5350.0, 5591.0, 5302.0, 5364.0, 5328.0, 5525.0, 5433.0, 5531.0, 5337.0, 5495.0, 5609.0, 5652.0, 5605.0, 5414.0, 5689.0, 5386.0, 5316.0, 5650.0, 5447.0 (number of hits: 13)
4	5530.0	9	1.0	333	1	5392.0, 5421.0, 5573.0, 5272.0, 5608.0, 5501.0, 5470.0, 5292.0, 5426.0, 5604.0, 5418.0, 5613.0, 5420.0, 5431.0, 5676.0, 5520.0, 5353.0, 5307.0, 5277.0, 5560.0, 5480.0, 5343.0, 5370.0, 5465.0, 5410.0, 5330.0, 5365.0, 5575.0, 5273.0, 5576.0, 5550.0, 5673.0, 5500.0, 5375.0, 5483.0, 5260.0, 5348.0, 5554.0, 5690.0, 5434.0, 5713.0, 5286.0, 5469.0, 5637.0, 5505.0, 5264.0, 5339.0, 5355.0, 5625.0, 5471.0, 5391.0, 5619.0, 5689.0, 5719.0, 5312.0, 5259.0, 5438.0, 5600.0, 5643.0, 5590.0, 5328.0, 5654.0, 5374.0, 5430.0, 5346.0, 5310.0, 5381.0, 5400.0, 5630.0, 5344.0, 5314.0, 5416.0, 5334.0, 5661.0, 5584.0, 5655.0, 5534.0, 5635.0, 5472.0, 5325.0, 5462.0, 5504.0, 5515.0, 5305.0, 5393.0, 5265.0, 5405.0, 5616.0, 5383.0, 5466.0, 5395.0, 5282.0, 5362.0, 5478.0, 5445.0, 5669.0, 5510.0, 5572.0, 5396.0, 5401.0 (number of hits: 11)
5	5530.0	9	1.0	333	1	5337.0, 5621.0, 5285.0, 5384.0, 5612.0, 5472.0, 5669.0, 5673.0, 5714.0, 5702.0, 5569.0, 5318.0, 5536.0, 5615.0, 5638.0, 5651.0, 5686.0, 5454.0, 5364.0, 5251.0, 5424.0, 5655.0, 5488.0, 5362.0,

						5679.0, 5385.0, 5619.0, 5375.0, 5634.0, 5720.0, 5368.0, 5691.0, 5524.0, 5305.0, 5567.0, 5448.0, 5703.0, 5352.0, 5710.0, 5461.0, 5607.0, 5481.0, 5616.0, 5283.0, 5535.0, 5451.0, 5701.0, 5470.0, 5291.0, 5474.0, 5584.0, 5641.0, 5431.0, 5654.0, 5687.0, 5662.0, 5434.0, 5512.0, 5399.0, 5544.0, 5307.0, 5578.0, 5333.0, 5510.0, 5709.0, 5588.0, 5445.0, 5539.0, 5447.0, 5640.0, 5583.0, 5475.0, 5302.0, 5642.0, 5269.0, 5656.0, 5268.0, 5646.0, 5297.0, 5257.0, 5296.0, 5357.0, 5667.0, 5580.0, 5664.0, 5494.0, 5622.0, 5462.0, 5550.0, 5658.0, 5537.0, 5346.0, 5557.0, 5427.0, 5549.0, 5459.0, 5331.0, 5704.0, 5611.0, 5636.0 (number of hits: 13)
6	5530.0	9	1.0	333	1	5693.0, 5313.0, 5520.0, 5420.0, 5533.0, 5697.0, 5419.0, 5303.0, 5712.0, 5400.0, 5497.0, 5690.0, 5589.0, 5334.0, 5371.0, 5323.0, 5410.0, 5468.0, 5716.0, 5669.0, 5671.0, 5310.0, 5521.0, 5466.0, 5641.0, 5604.0, 5514.0, 5349.0, 5724.0, 5500.0, 5646.0, 5262.0, 5659.0, 5312.0, 5421.0, 5634.0, 5289.0, 5593.0, 5517.0, 5382.0, 5585.0, 5326.0, 5364.0, 5559.0, 5706.0, 5540.0, 5284.0, 5375.0, 5487.0, 5407.0, 5597.0, 5308.0, 5582.0, 5545.0, 5626.0, 5586.0, 5367.0, 5377.0, 5411.0, 5328.0, 5723.0, 5666.0, 5639.0, 5714.0, 5548.0, 5309.0, 5600.0, 5344.0, 5341.0, 5322.0, 5404.0, 5360.0, 5355.0, 5547.0, 5657.0, 5555.0, 5556.0, 5715.0, 5664.0, 5447.0, 5662.0, 5362.0, 5682.0, 5557.0, 5296.0, 5504.0, 5510.0, 5490.0, 5553.0, 5508.0, 5255.0, 5638.0, 5275.0, 5654.0, 5333.0, 5620.0, 5476.0, 5330.0, 5282.0, 5691.0 (number of hits: 19)
7	5530.0	9	1.0	333	1	5629.0, 5490.0, 5451.0, 5299.0, 5576.0, 5475.0, 5390.0, 5477.0, 5440.0, 5589.0, 5548.0, 5486.0, 5266.0, 5628.0, 5650.0, 5384.0, 5420.0, 5696.0, 5363.0, 5494.0, 5404.0, 5358.0, 5446.0, 5583.0, 5605.0, 5676.0, 5352.0, 5510.0, 5317.0, 5287.0, 5541.0, 5686.0, 5328.0, 5517.0, 5332.0, 5367.0, 5256.0, 5478.0, 5723.0, 5631.0, 5690.0, 5346.0, 5582.0, 5661.0, 5377.0, 5314.0, 5638.0, 5437.0, 5276.0, 5413.0, 5522.0, 5301.0, 5264.0, 5557.0, 5373.0, 5450.0, 5691.0, 5464.0, 5526.0, 5434.0, 5403.0, 5393.0, 5531.0, 5394.0, 5673.0, 5681.0, 5297.0, 5406.0, 5626.0, 5312.0, 5521.0, 5415.0, 5355.0, 5401.0, 5456.0, 5382.0, 5348.0, 5697.0, 5543.0, 5722.0, 5305.0, 5439.0, 5417.0, 5600.0, 5441.0, 5409.0, 5540.0, 5418.0, 5288.0, 5306.0, 5654.0, 5671.0, 5469.0, 5644.0, 5601.0, 5643.0, 5488.0, 5511.0, 5581.0, 5651.0 (number of hits: 13)
8	5530.0	9	1.0	333	1	5680.0, 5660.0, 5505.0, 5265.0, 5707.0, 5637.0, 5430.0, 5649.0, 5545.0, 5396.0, 5375.0, 5312.0, 5415.0, 5666.0, 5567.0, 5269.0, 5261.0, 5356.0, 5506.0, 5601.0, 5328.0, 5293.0, 5594.0, 5309.0, 5627.0, 5530.0, 5374.0, 5475.0, 5361.0, 5467.0, 5718.0, 5538.0, 5548.0, 5546.0, 5541.0, 5563.0, 5400.0, 5586.0, 5596.0, 5323.0, 5581.0, 5652.0, 5344.0, 5367.0, 5343.0, 5696.0, 5651.0, 5266.0, 5703.0, 5714.0, 5701.0, 5647.0, 5639.0, 5449.0, 5533.0, 5307.0, 5414.0, 5585.0, 5268.0, 5482.0, 5486.0, 5606.0, 5267.0, 5625.0, 5398.0, 5705.0, 5463.0, 5517.0, 5259.0, 5685.0, 5447.0, 5322.0, 5458.0, 5614.0, 5258.0, 5592.0, 5263.0, 5683.0, 5709.0, 5474.0, 5326.0, 5648.0, 5405.0, 5588.0, 5403.0, 5363.0, 5354.0, 5570.0, 5676.0, 5559.0, 5534.0, 5460.0, 5392.0, 5626.0, 5527.0, 5437.0, 5388.0, 5399.0, 5605.0, 5331.0 (number of hits: 15)
9	5530.0	9	1.0	333	1	5543.0, 5639.0, 5550.0, 5407.0, 5334.0, 5674.0, 5344.0, 5383.0, 5411.0, 5423.0, 5552.0, 5678.0, 5621.0, 5258.0, 5348.0, 5514.0, 5712.0, 5290.0, 5516.0, 5523.0, 5291.0, 5558.0, 5632.0, 5378.0, 5373.0, 5322.0, 5332.0, 5579.0, 5667.0, 5475.0, 5556.0, 5253.0, 5671.0, 5582.0, 5459.0, 5679.0, 5650.0, 5533.0, 5463.0, 5453.0, 5539.0, 5658.0, 5254.0, 5605.0, 5384.0, 5597.0, 5301.0, 5325.0, 5397.0, 5354.0, 5635.0, 5374.0, 5380.0, 5687.0, 5576.0, 5370.0, 5629.0, 5330.0, 5363.0, 5577.0, 5643.0, 5672.0, 5434.0, 5351.0, 5718.0, 5583.0, 5610.0, 5604.0, 5719.0, 5324.0, 5636.0, 5477.0, 5343.0, 5495.0, 5524.0, 5700.0, 5315.0, 5340.0, 5472.0, 5466.0, 5305.0, 5624.0, 5546.0, 5508.0, 5267.0, 5271.0, 5637.0, 5479.0, 5513.0, 5581.0, 5442.0, 5555.0, 5567.0, 5606.0, 5713.0, 5654.0,

						5416.0, 5480.0, 5395.0, 5372.0 (number of hits: 17)
10	5530.0	9	1.0	333	1	5691.0, 5255.0, 5343.0, 5620.0, 5299.0, 5610.0, 5682.0, 5565.0, 5426.0, 5316.0, 5595.0, 5482.0, 5333.0, 5666.0, 5551.0, 5625.0, 5695.0, 5652.0, 5265.0, 5576.0, 5636.0, 5591.0, 5579.0, 5511.0, 5677.0, 5296.0, 5264.0, 5424.0, 5623.0, 5517.0, 5374.0, 5322.0, 5606.0, 5637.0, 5276.0, 5340.0, 5252.0, 5507.0, 5522.0, 5406.0, 5376.0, 5592.0, 5702.0, 5400.0, 5470.0, 5338.0, 5481.0, 5419.0, 5261.0, 5455.0, 5336.0, 5302.0, 5319.0, 5719.0, 5399.0, 5446.0, 5654.0, 5443.0, 5699.0, 5494.0, 5401.0, 5359.0, 5503.0, 5303.0, 5693.0, 5696.0, 5543.0, 5546.0, 5662.0, 5675.0, 5315.0, 5653.0, 5608.0, 5586.0, 5273.0, 5415.0, 5344.0, 5313.0, 5685.0, 5489.0, 5679.0, 5397.0, 5297.0, 5471.0, 5612.0, 5277.0, 5283.0, 5600.0, 5671.0, 5337.0, 5701.0, 5617.0, 5444.0, 5533.0, 5519.0, 5684.0, 5705.0, 5547.0, 5330.0, 5540.0 (number of hits: 14)
11	5530.0	9	1.0	333	1	5421.0, 5275.0, 5403.0, 5456.0, 5477.0, 5664.0, 5401.0, 5483.0, 5348.0, 5372.0, 5414.0, 5333.0, 5444.0, 5288.0, 5330.0, 5443.0, 5257.0, 5344.0, 5642.0, 5519.0, 5633.0, 5630.0, 5579.0, 5531.0, 5335.0, 5408.0, 5484.0, 5562.0, 5290.0, 5432.0, 5578.0, 5721.0, 5346.0, 5696.0, 5362.0, 5667.0, 5575.0, 5340.0, 5416.0, 5582.0, 5601.0, 5301.0, 5506.0, 5574.0, 5367.0, 5530.0, 5273.0, 5655.0, 5359.0, 5648.0, 5489.0, 5657.0, 5699.0, 5481.0, 5422.0, 5518.0, 5629.0, 5622.0, 5373.0, 5350.0, 5354.0, 5285.0, 5371.0, 5430.0, 5267.0, 5493.0, 5268.0, 5253.0, 5258.0, 5385.0, 5511.0, 5520.0, 5678.0, 5538.0, 5274.0, 5673.0, 5705.0, 5476.0, 5468.0, 5419.0, 5391.0, 5616.0, 5490.0, 5342.0, 5554.0, 5636.0, 5497.0, 5665.0, 5558.0, 5452.0, 5543.0, 5590.0, 5631.0, 5381.0, 5352.0, 5279.0, 5572.0, 5451.0, 5587.0, 5614.0 (number of hits: 14)
12	5530.0	9	1.0	333	1	5402.0, 5635.0, 5392.0, 5333.0, 5606.0, 5489.0, 5532.0, 5507.0, 5423.0, 5337.0, 5481.0, 5394.0, 5628.0, 5269.0, 5273.0, 5550.0, 5351.0, 5632.0, 5480.0, 5408.0, 5529.0, 5685.0, 5513.0, 5429.0, 5431.0, 5599.0, 5703.0, 5430.0, 5499.0, 5443.0, 5593.0, 5623.0, 5560.0, 5605.0, 5327.0, 5266.0, 5680.0, 5465.0, 5528.0, 5542.0, 5545.0, 5646.0, 5324.0, 5569.0, 5377.0, 5665.0, 5621.0, 5697.0, 5600.0, 5417.0, 5551.0, 5441.0, 5405.0, 5626.0, 5535.0, 5564.0, 5617.0, 5669.0, 5463.0, 5523.0, 5663.0, 5361.0, 5256.0, 5484.0, 5660.0, 5524.0, 5679.0, 5546.0, 5562.0, 5428.0, 5376.0, 5305.0, 5343.0, 5537.0, 5403.0, 5517.0, 5704.0, 5490.0, 5659.0, 5579.0, 5518.0, 5459.0, 5344.0, 5399.0, 5618.0, 5648.0, 5588.0, 5700.0, 5474.0, 5400.0, 5520.0, 5625.0, 5393.0, 5533.0, 5587.0, 5453.0, 5601.0, 5295.0, 5287.0, 5556.0 (number of hits: 23)
13	5530.0	9	1.0	333	1	5354.0, 5282.0, 5574.0, 5400.0, 5336.0, 5571.0, 5404.0, 5584.0, 5442.0, 5399.0, 5466.0, 5647.0, 5568.0, 5666.0, 5384.0, 5296.0, 5485.0, 5444.0, 5411.0, 5601.0, 5309.0, 5397.0, 5713.0, 5470.0, 5539.0, 5721.0, 5527.0, 5277.0, 5402.0, 5419.0, 5476.0, 5475.0, 5702.0, 5343.0, 5417.0, 5560.0, 5611.0, 5622.0, 5374.0, 5293.0, 5665.0, 5667.0, 5295.0, 5498.0, 5272.0, 5331.0, 5613.0, 5383.0, 5662.0, 5573.0, 5530.0, 5298.0, 5603.0, 5515.0, 5655.0, 5722.0, 5316.0, 5323.0, 5380.0, 5669.0, 5590.0, 5310.0, 5641.0, 5388.0, 5382.0, 5315.0, 5703.0, 5609.0, 5607.0, 5273.0, 5455.0, 5284.0, 5661.0, 5576.0, 5451.0, 5435.0, 5480.0, 5305.0, 5312.0, 5708.0, 5615.0, 5370.0, 5321.0, 5486.0, 5648.0, 5657.0, 5724.0, 5502.0, 5690.0, 5447.0, 5488.0, 5676.0, 5553.0, 5512.0, 5591.0, 5443.0, 5334.0, 5358.0, 5535.0, 5616.0 (number of hits: 10)
14	5530.0	9	1.0	333	1	5605.0, 5416.0, 5701.0, 5413.0, 5398.0, 5574.0, 5411.0, 5522.0, 5468.0, 5410.0, 5297.0, 5647.0, 5672.0, 5417.0, 5366.0, 5673.0, 5375.0, 5681.0, 5490.0, 5686.0, 5494.0, 5489.0, 5638.0, 5573.0, 5338.0, 5470.0, 5346.0, 5606.0, 5272.0, 5687.0, 5601.0, 5372.0, 5253.0, 5352.0, 5594.0, 5708.0, 5274.0, 5666.0, 5444.0, 5567.0, 5436.0, 5371.0, 5584.0, 5344.0, 5682.0, 5503.0, 5497.0, 5431.0, 5706.0, 5434.0, 5349.0, 5264.0, 5300.0, 5459.0, 5670.0, 5505.0, 5698.0, 5592.0, 5604.0, 5438.0, 5402.0, 5526.0, 5256.0, 5597.0,

						5445.0, 5334.0, 5418.0, 5552.0, 5282.0, 5392.0, 5318.0, 5554.0, 5273.0, 5617.0, 5458.0, 5482.0, 5531.0, 5266.0, 5429.0, 5335.0, 5403.0, 5600.0, 5632.0, 5292.0, 5694.0, 5379.0, 5260.0, 5454.0, 5433.0, 5549.0, 5337.0, 5312.0, 5614.0, 5492.0, 5627.0, 5493.0, 5430.0, 5405.0, 5636.0, 5386.0 (number of hits: 13)
15	5530.0	9	1.0	333	1	5366.0, 5271.0, 5676.0, 5378.0, 5278.0, 5277.0, 5280.0, 5380.0, 5343.0, 5250.0, 5635.0, 5275.0, 5637.0, 5418.0, 5598.0, 5599.0, 5397.0, 5483.0, 5642.0, 5529.0, 5508.0, 5324.0, 5601.0, 5427.0, 5679.0, 5374.0, 5252.0, 5426.0, 5619.0, 5301.0, 5349.0, 5350.0, 5319.0, 5371.0, 5282.0, 5450.0, 5406.0, 5431.0, 5482.0, 5355.0, 5719.0, 5561.0, 5445.0, 5691.0, 5400.0, 5404.0, 5402.0, 5457.0, 5580.0, 5616.0, 5631.0, 5551.0, 5654.0, 5268.0, 5685.0, 5650.0, 5286.0, 5701.0, 5326.0, 5609.0, 5554.0, 5652.0, 5382.0, 5611.0, 5433.0, 5711.0, 5340.0, 5451.0, 5345.0, 5290.0, 5346.0, 5420.0, 5339.0, 5613.0, 5700.0, 5393.0, 5522.0, 5360.0, 5638.0, 5519.0, 5396.0, 5466.0, 5472.0, 5645.0, 5577.0, 5388.0, 5364.0, 5630.0, 5678.0, 5698.0, 5486.0, 5407.0, 5303.0, 5668.0, 5702.0, 5315.0, 5307.0, 5391.0, 5568.0, 5453.0 (number of hits: 7)
16	5530.0	9	1.0	333	1	5542.0, 5582.0, 5440.0, 5324.0, 5437.0, 5484.0, 5407.0, 5259.0, 5445.0, 5276.0, 5418.0, 5409.0, 5642.0, 5718.0, 5723.0, 5722.0, 5330.0, 5645.0, 5667.0, 5299.0, 5688.0, 5388.0, 5689.0, 5293.0, 5346.0, 5350.0, 5444.0, 5701.0, 5597.0, 5366.0, 5654.0, 5594.0, 5646.0, 5513.0, 5694.0, 5254.0, 5258.0, 5664.0, 5578.0, 5605.0, 5438.0, 5268.0, 5662.0, 5655.0, 5395.0, 5574.0, 5426.0, 5270.0, 5648.0, 5703.0, 5443.0, 5428.0, 5311.0, 5630.0, 5488.0, 5267.0, 5433.0, 5483.0, 5569.0, 5353.0, 5608.0, 5250.0, 5601.0, 5545.0, 5419.0, 5672.0, 5337.0, 5619.0, 5606.0, 5314.0, 5450.0, 5692.0, 5625.0, 5502.0, 5649.0, 5626.0, 5714.0, 5581.0, 5406.0, 5551.0, 5681.0, 5658.0, 5415.0, 5390.0, 5497.0, 5308.0, 5535.0, 5554.0, 5585.0, 5333.0, 5495.0, 5593.0, 5403.0, 5307.0, 5387.0, 5647.0, 5705.0, 5273.0, 5552.0, 5699.0 (number of hits: 10)
17	5530.0	9	1.0	333	1	5714.0, 5489.0, 5486.0, 5491.0, 5430.0, 5516.0, 5541.0, 5538.0, 5284.0, 5334.0, 5487.0, 5447.0, 5626.0, 5276.0, 5542.0, 5253.0, 5517.0, 5436.0, 5400.0, 5465.0, 5723.0, 5529.0, 5322.0, 5442.0, 5564.0, 5630.0, 5535.0, 5549.0, 5274.0, 5721.0, 5370.0, 5439.0, 5352.0, 5675.0, 5324.0, 5369.0, 5617.0, 5263.0, 5530.0, 5654.0, 5250.0, 5695.0, 5640.0, 5615.0, 5693.0, 5304.0, 5428.0, 5707.0, 5366.0, 5585.0, 5660.0, 5296.0, 5331.0, 5349.0, 5335.0, 5340.0, 5722.0, 5694.0, 5618.0, 5662.0, 5546.0, 5636.0, 5485.0, 5569.0, 5329.0, 5346.0, 5311.0, 5527.0, 5281.0, 5397.0, 5666.0, 5441.0, 5260.0, 5315.0, 5407.0, 5602.0, 5327.0, 5512.0, 5256.0, 5672.0, 5384.0, 5663.0, 5399.0, 5547.0, 5645.0, 5557.0, 5332.0, 5354.0, 5316.0, 5599.0, 5528.0, 5526.0, 5355.0, 5717.0, 5383.0, 5388.0, 5479.0, 5320.0, 5471.0, 5571.0 (number of hits: 17)
18	5530.0	9	1.0	333	1	5551.0, 5540.0, 5383.0, 5392.0, 5439.0, 5346.0, 5478.0, 5589.0, 5643.0, 5719.0, 5429.0, 5529.0, 5634.0, 5398.0, 5658.0, 5366.0, 5359.0, 5423.0, 5458.0, 5723.0, 5348.0, 5460.0, 5288.0, 5357.0, 5533.0, 5352.0, 5492.0, 5426.0, 5637.0, 5712.0, 5373.0, 5481.0, 5388.0, 5606.0, 5311.0, 5376.0, 5649.0, 5656.0, 5666.0, 5292.0, 5639.0, 5310.0, 5638.0, 5306.0, 5316.0, 5406.0, 5274.0, 5279.0, 5334.0, 5717.0, 5304.0, 5663.0, 5641.0, 5501.0, 5265.0, 5672.0, 5565.0, 5254.0, 5438.0, 5690.0, 5472.0, 5372.0, 5498.0, 5424.0, 5579.0, 5537.0, 5409.0, 5344.0, 5572.0, 5477.0, 5679.0, 5716.0, 5557.0, 5387.0, 5349.0, 5337.0, 5514.0, 5627.0, 5509.0, 5599.0, 5412.0, 5298.0, 5333.0, 5611.0, 5539.0, 5491.0, 5497.0, 5524.0, 5647.0, 5369.0, 5422.0, 5499.0, 5461.0, 5462.0, 5301.0, 5294.0, 5312.0, 5680.0, 5451.0, 5665.0 (number of hits: 16)
19	5530.0	9	1.0	333	1	5720.0, 5451.0, 5388.0, 5304.0, 5606.0, 5615.0, 5552.0, 5284.0, 5359.0, 5421.0, 5480.0, 5396.0, 5442.0, 5329.0, 5378.0, 5459.0, 5519.0, 5494.0, 5285.0, 5663.0, 5712.0, 5713.0, 5580.0, 5539.0, 5506.0, 5432.0, 5581.0, 5444.0, 5454.0, 5370.0, 5383.0, 5460.0,

						5366.0, 5551.0, 5314.0, 5325.0, 5468.0, 5407.0, 5689.0, 5446.0, 5599.0, 5718.0, 5649.0, 5466.0, 5710.0, 5482.0, 5416.0, 5535.0, 5517.0, 5322.0, 5256.0, 5717.0, 5555.0, 5290.0, 5546.0, 5376.0, 5656.0, 5255.0, 5531.0, 5406.0, 5583.0, 5361.0, 5469.0, 5280.0, 5629.0, 5342.0, 5291.0, 5715.0, 5474.0, 5603.0, 5317.0, 5499.0, 5337.0, 5626.0, 5714.0, 5350.0, 5612.0, 5673.0, 5362.0, 5697.0, 5268.0, 5445.0, 5296.0, 5346.0, 5465.0, 5659.0, 5267.0, 5664.0, 5666.0, 5709.0, 5675.0, 5593.0, 5333.0, 5390.0, 5635.0, 5426.0, 5339.0, 5716.0, 5563.0, 5614.0 (number of hits: 13)
20	5530.0	9	1.0	333	1	5435.0, 5626.0, 5473.0, 5328.0, 5373.0, 5392.0, 5718.0, 5431.0, 5577.0, 5388.0, 5575.0, 5559.0, 5566.0, 5567.0, 5525.0, 5572.0, 5279.0, 5267.0, 5423.0, 5706.0, 5346.0, 5510.0, 5675.0, 5357.0, 5602.0, 5617.0, 5262.0, 5476.0, 5483.0, 5264.0, 5588.0, 5653.0, 5558.0, 5360.0, 5292.0, 5400.0, 5311.0, 5634.0, 5488.0, 5629.0, 5379.0, 5512.0, 5591.0, 5684.0, 5271.0, 5375.0, 5720.0, 5681.0, 5316.0, 5564.0, 5368.0, 5366.0, 5596.0, 5554.0, 5724.0, 5296.0, 5404.0, 5694.0, 5561.0, 5274.0, 5686.0, 5665.0, 5481.0, 5685.0, 5598.0, 5497.0, 5534.0, 5556.0, 5500.0, 5285.0, 5263.0, 5337.0, 5406.0, 5707.0, 5542.0, 5545.0, 5701.0, 5253.0, 5320.0, 5715.0, 5449.0, 5380.0, 5535.0, 5539.0, 5305.0, 5713.0, 5486.0, 5659.0, 5442.0, 5642.0, 5692.0, 5501.0, 5300.0, 5586.0, 5383.0, 5646.0, 5425.0, 5571.0, 5270.0, 5272.0 (number of hits: 19)
21	5530.0	9	1.0	333	1	5659.0, 5631.0, 5413.0, 5620.0, 5487.0, 5612.0, 5311.0, 5348.0, 5611.0, 5401.0, 5268.0, 5406.0, 5344.0, 5577.0, 5285.0, 5298.0, 5617.0, 5633.0, 5691.0, 5493.0, 5326.0, 5571.0, 5562.0, 5337.0, 5533.0, 5650.0, 5597.0, 5393.0, 5542.0, 5552.0, 5531.0, 5677.0, 5297.0, 5329.0, 5479.0, 5690.0, 5530.0, 5374.0, 5495.0, 5680.0, 5585.0, 5634.0, 5522.0, 5679.0, 5657.0, 5539.0, 5546.0, 5582.0, 5379.0, 5538.0, 5498.0, 5381.0, 5472.0, 5456.0, 5364.0, 5317.0, 5603.0, 5321.0, 5581.0, 5277.0, 5362.0, 5272.0, 5600.0, 5358.0, 5301.0, 5635.0, 5251.0, 5345.0, 5354.0, 5559.0, 5583.0, 5355.0, 5593.0, 5705.0, 5713.0, 5468.0, 5319.0, 5357.0, 5372.0, 5686.0, 5699.0, 5462.0, 5715.0, 5646.0, 5351.0, 5312.0, 5427.0, 5361.0, 5416.0, 5632.0, 5414.0, 5287.0, 5514.0, 5676.0, 5619.0, 5252.0, 5615.0, 5637.0, 5497.0, 5564.0 (number of hits: 17)
22	5530.0	9	1.0	333	1	5549.0, 5417.0, 5328.0, 5639.0, 5446.0, 5485.0, 5527.0, 5682.0, 5534.0, 5577.0, 5671.0, 5351.0, 5368.0, 5416.0, 5696.0, 5663.0, 5690.0, 5341.0, 5706.0, 5702.0, 5308.0, 5546.0, 5431.0, 5384.0, 5310.0, 5701.0, 5542.0, 5673.0, 5438.0, 5287.0, 5625.0, 5670.0, 5314.0, 5366.0, 5323.0, 5312.0, 5707.0, 5436.0, 5553.0, 5365.0, 5503.0, 5360.0, 5606.0, 5272.0, 5324.0, 5402.0, 5678.0, 5660.0, 5665.0, 5259.0, 5599.0, 5567.0, 5628.0, 5498.0, 5261.0, 5453.0, 5407.0, 5538.0, 5358.0, 5297.0, 5271.0, 5292.0, 5465.0, 5255.0, 5543.0, 5375.0, 5588.0, 5466.0, 5705.0, 5250.0, 5467.0, 5694.0, 5545.0, 5321.0, 5413.0, 5662.0, 5562.0, 5668.0, 5340.0, 5717.0, 5679.0, 5570.0, 5504.0, 5515.0, 5313.0, 5333.0, 5387.0, 5377.0, 5367.0, 5470.0, 5415.0, 5713.0, 5506.0, 5583.0, 5418.0, 5557.0, 5657.0, 5329.0, 5664.0, 5669.0 (number of hits: 17)
23	5530.0	9	1.0	333	1	5407.0, 5541.0, 5357.0, 5499.0, 5546.0, 5544.0, 5515.0, 5434.0, 5689.0, 5423.0, 5585.0, 5646.0, 5599.0, 5304.0, 5675.0, 5449.0, 5634.0, 5261.0, 5333.0, 5479.0, 5404.0, 5627.0, 5526.0, 5606.0, 5376.0, 5678.0, 5522.0, 5587.0, 5545.0, 5576.0, 5558.0, 5648.0, 5615.0, 5716.0, 5643.0, 5668.0, 5554.0, 5274.0, 5438.0, 5519.0, 5425.0, 5709.0, 5460.0, 5665.0, 5258.0, 5547.0, 5505.0, 5385.0, 5452.0, 5495.0, 5707.0, 5621.0, 5531.0, 5390.0, 5530.0, 5408.0, 5688.0, 5286.0, 5312.0, 5375.0, 5279.0, 5691.0, 5445.0, 5325.0, 5359.0, 5711.0, 5644.0, 5253.0, 5277.0, 5630.0, 5421.0, 5600.0, 5656.0, 5485.0, 5655.0, 5361.0, 5366.0, 5467.0, 5409.0, 5590.0, 5453.0, 5610.0, 5527.0, 5321.0, 5265.0, 5529.0, 5703.0, 5681.0, 5387.0, 5540.0, 5354.0, 5611.0, 5326.0, 5567.0, 5392.0, 5690.0, 5264.0, 5718.0, 5586.0, 5462.0 (number of hits: 20)

24	5530.0	9	1.0	333	1	5441.0, 5477.0, 5685.0, 5718.0, 5388.0, 5700.0, 5404.0, 5274.0, 5647.0, 5527.0, 5469.0, 5362.0, 5688.0, 5485.0, 5443.0, 5403.0, 5678.0, 5446.0, 5334.0, 5538.0, 5520.0, 5709.0, 5279.0, 5465.0, 5378.0, 5295.0, 5486.0, 5717.0, 5336.0, 5365.0, 5463.0, 5590.0, 5658.0, 5401.0, 5345.0, 5716.0, 5347.0, 5352.0, 5301.0, 5561.0, 5338.0, 5682.0, 5429.0, 5311.0, 5552.0, 5412.0, 5525.0, 5431.0, 5471.0, 5543.0, 5599.0, 5305.0, 5586.0, 5438.0, 5622.0, 5501.0, 5430.0, 5602.0, 5436.0, 5461.0, 5673.0, 5387.0, 5573.0, 5698.0, 5554.0, 5571.0, 5379.0, 5592.0, 5666.0, 5256.0, 5713.0, 5473.0, 5633.0, 5306.0, 5624.0, 5522.0, 5316.0, 5710.0, 5690.0, 5415.0, 5482.0, 5444.0, 5519.0, 5288.0, 5371.0, 5562.0, 5300.0, 5385.0, 5489.0, 5670.0, 5340.0, 5361.0, 5458.0, 5693.0, 5557.0, 5322.0, 5269.0, 5272.0, 5699.0, 5416.0 (number of hits: 13)
25	5530.0	9	1.0	333	1	5393.0, 5451.0, 5628.0, 5670.0, 5665.0, 5511.0, 5716.0, 5570.0, 5596.0, 5490.0, 5425.0, 5704.0, 5568.0, 5422.0, 5297.0, 5507.0, 5513.0, 5636.0, 5600.0, 5522.0, 5618.0, 5284.0, 5723.0, 5326.0, 5647.0, 5576.0, 5693.0, 5267.0, 5474.0, 5426.0, 5321.0, 5577.0, 5621.0, 5405.0, 5631.0, 5538.0, 5375.0, 5333.0, 5667.0, 5547.0, 5343.0, 5304.0, 5454.0, 5448.0, 5491.0, 5334.0, 5622.0, 5340.0, 5607.0, 5651.0, 5561.0, 5680.0, 5303.0, 5504.0, 5543.0, 5260.0, 5637.0, 5552.0, 5443.0, 5389.0, 5359.0, 5642.0, 5533.0, 5485.0, 5534.0, 5655.0, 5397.0, 5584.0, 5387.0, 5344.0, 5692.0, 5563.0, 5553.0, 5436.0, 5505.0, 5427.0, 5266.0, 5324.0, 5362.0, 5352.0, 5559.0, 5661.0, 5367.0, 5564.0, 5599.0, 5676.0, 5412.0, 5531.0, 5382.0, 5416.0, 5641.0, 5495.0, 5345.0, 5714.0, 5306.0, 5717.0, 5383.0, 5347.0, 5299.0, 5695.0 (number of hits: 19)
26	5530.0	9	1.0	333	1	5540.0, 5635.0, 5588.0, 5559.0, 5293.0, 5330.0, 5650.0, 5691.0, 5399.0, 5718.0, 5422.0, 5693.0, 5563.0, 5722.0, 5607.0, 5630.0, 5250.0, 5524.0, 5509.0, 5322.0, 5472.0, 5706.0, 5711.0, 5712.0, 5458.0, 5269.0, 5394.0, 5495.0, 5398.0, 5720.0, 5547.0, 5511.0, 5512.0, 5341.0, 5503.0, 5384.0, 5704.0, 5645.0, 5387.0, 5448.0, 5564.0, 5420.0, 5275.0, 5481.0, 5358.0, 5514.0, 5278.0, 5660.0, 5374.0, 5262.0, 5267.0, 5570.0, 5303.0, 5663.0, 5285.0, 5355.0, 5465.0, 5373.0, 5279.0, 5624.0, 5488.0, 5367.0, 5598.0, 5526.0, 5701.0, 5284.0, 5510.0, 5301.0, 5450.0, 5535.0, 5453.0, 5515.0, 5685.0, 5296.0, 5702.0, 5522.0, 5549.0, 5641.0, 5321.0, 5437.0, 5679.0, 5336.0, 5544.0, 5357.0, 5382.0, 5634.0, 5406.0, 5268.0, 5571.0, 5490.0, 5462.0, 5332.0, 5325.0, 5401.0, 5252.0, 5345.0, 5595.0, 5300.0, 5572.0, 5646.0 (number of hits: 19)
27	5530.0	9	1.0	333	1	5373.0, 5691.0, 5400.0, 5633.0, 5344.0, 5692.0, 5406.0, 5363.0, 5416.0, 5618.0, 5435.0, 5609.0, 5708.0, 5585.0, 5631.0, 5355.0, 5369.0, 5347.0, 5424.0, 5449.0, 5536.0, 5499.0, 5251.0, 5615.0, 5437.0, 5511.0, 5357.0, 5457.0, 5362.0, 5665.0, 5403.0, 5444.0, 5281.0, 5447.0, 5275.0, 5309.0, 5273.0, 5443.0, 5527.0, 5252.0, 5542.0, 5462.0, 5361.0, 5688.0, 5637.0, 5371.0, 5705.0, 5256.0, 5328.0, 5689.0, 5501.0, 5614.0, 5317.0, 5602.0, 5510.0, 5713.0, 5512.0, 5684.0, 5698.0, 5412.0, 5613.0, 5659.0, 5394.0, 5422.0, 5579.0, 5321.0, 5401.0, 5260.0, 5558.0, 5644.0, 5475.0, 5264.0, 5661.0, 5293.0, 5608.0, 5724.0, 5269.0, 5594.0, 5543.0, 5519.0, 5601.0, 5696.0, 5668.0, 5697.0, 5667.0, 5651.0, 5568.0, 5566.0, 5436.0, 5565.0, 5455.0, 5295.0, 5681.0, 5530.0, 5390.0, 5596.0, 5508.0, 5600.0, 5612.0, 5621.0 (number of hits: 15)
28	5530.0	9	1.0	333	1	5439.0, 5620.0, 5492.0, 5715.0, 5435.0, 5638.0, 5560.0, 5605.0, 5566.0, 5687.0, 5637.0, 5650.0, 5382.0, 5463.0, 5468.0, 5266.0, 5291.0, 5554.0, 5425.0, 5655.0, 5542.0, 5318.0, 5685.0, 5629.0, 5395.0, 5579.0, 5559.0, 5424.0, 5359.0, 5347.0, 5378.0, 5704.0, 5342.0, 5532.0, 5549.0, 5607.0, 5480.0, 5556.0, 5431.0, 5314.0, 5329.0, 5386.0, 5604.0, 5499.0, 5719.0, 5663.0, 5461.0, 5489.0, 5288.0, 5428.0, 5666.0, 5464.0, 5348.0, 5336.0, 5553.0, 5692.0, 5676.0, 5353.0, 5599.0, 5330.0, 5434.0, 5433.0, 5572.0, 5420.0, 5292.0, 5564.0, 5557.0, 5714.0, 5286.0, 5317.0, 5636.0, 5340.0,

						5389.0, 5373.0, 5315.0, 5575.0, 5500.0, 5634.0, 5583.0, 5688.0, 5391.0, 5379.0, 5411.0, 5375.0, 5357.0, 5623.0, 5406.0, 5515.0, 5631.0, 5639.0, 5590.0, 5276.0, 5430.0, 5387.0, 5304.0, 5309.0, 5341.0, 5682.0, 5390.0, 5372.0 (number of hits: 15)
29	5530.0	9	1.0	333	1	5372.0, 5268.0, 5392.0, 5640.0, 5420.0, 5535.0, 5277.0, 5453.0, 5507.0, 5290.0, 5687.0, 5376.0, 5666.0, 5263.0, 5276.0, 5370.0, 5518.0, 5669.0, 5314.0, 5389.0, 5610.0, 5707.0, 5311.0, 5295.0, 5488.0, 5487.0, 5638.0, 5678.0, 5695.0, 5406.0, 5561.0, 5296.0, 5497.0, 5349.0, 5423.0, 5575.0, 5558.0, 5360.0, 5383.0, 5680.0, 5567.0, 5434.0, 5458.0, 5253.0, 5476.0, 5509.0, 5415.0, 5534.0, 5257.0, 5335.0, 5718.0, 5657.0, 5340.0, 5517.0, 5396.0, 5369.0, 5648.0, 5591.0, 5395.0, 5312.0, 5603.0, 5267.0, 5513.0, 5627.0, 5503.0, 5379.0, 5403.0, 5528.0, 5490.0, 5329.0, 5291.0, 5510.0, 5724.0, 5315.0, 5512.0, 5641.0, 5543.0, 5265.0, 5580.0, 5432.0, 5412.0, 5562.0, 5328.0, 5653.0, 5522.0, 5419.0, 5639.0, 5713.0, 5401.0, 5251.0, 5560.0, 5656.0, 5445.0, 5677.0, 5285.0, 5505.0, 5608.0, 5444.0, 5685.0, 5609.0 (number of hits: 20)
30	5530.0	9	1.0	333	1	5613.0, 5374.0, 5286.0, 5665.0, 5389.0, 5356.0, 5637.0, 5319.0, 5461.0, 5285.0, 5718.0, 5525.0, 5581.0, 5313.0, 5698.0, 5431.0, 5274.0, 5385.0, 5352.0, 5342.0, 5482.0, 5443.0, 5562.0, 5407.0, 5573.0, 5323.0, 5257.0, 5456.0, 5532.0, 5582.0, 5670.0, 5424.0, 5290.0, 5355.0, 5254.0, 5371.0, 5325.0, 5587.0, 5591.0, 5529.0, 5445.0, 5514.0, 5616.0, 5676.0, 5512.0, 5417.0, 5543.0, 5299.0, 5322.0, 5429.0, 5584.0, 5660.0, 5597.0, 5447.0, 5296.0, 5485.0, 5471.0, 5628.0, 5697.0, 5420.0, 5297.0, 5414.0, 5305.0, 5585.0, 5267.0, 5710.0, 5258.0, 5295.0, 5327.0, 5673.0, 5336.0, 5657.0, 5534.0, 5293.0, 5625.0, 5488.0, 5567.0, 5490.0, 5370.0, 5564.0, 5495.0, 5643.0, 5635.0, 5419.0, 5528.0, 5452.0, 5662.0, 5362.0, 5302.0, 5572.0, 5428.0, 5693.0, 5279.0, 5265.0, 5684.0, 5527.0, 5484.0, 5598.0, 5465.0, 5400.0 (number of hits: 13)

P2MP Client Mode
Pine Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	80 %	60%	Pass
Type 2	30	90 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate (Type1 to 4)	120	87.5 %	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	70	1.0	758	0
2	57	1.0	938	0
3	102	1.0	518	1
4	67	1.0	798	0
5	89	1.0	598	1
6	63	1.0	838	1
7	92	1.0	578	1
8	81	1.0	658	1
9	78	1.0	678	1
10	99	1.0	538	1
11	65	1.0	818	1
12	59	1.0	898	1
13	58	1.0	918	1
14	61	1.0	878	1
15	68	1.0	778	1
1	28	1.0	1924	1
2	27	1.0	1960	0
3	18	1.0	3010	0
4	24	1.0	2281	1
5	29	1.0	1874	1
6	48	1.0	1109	1
7	75	1.0	706	0
8	30	1.0	1800	1
9	69	1.0	767	1
10	37	1.0	1450	1
11	96	1.0	551	1
12	25	1.0	2157	1
13	25	1.0	2159	1
14	18	1.0	2986	1
15	38	1.0	1416	1
Detection Percentage: 80 % (>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	3.6	217	1
2	26	1.0	167	1
3	29	3.5	219	1
4	26	4.8	221	1
5	23	4.2	175	1
6	25	4.1	220	1
7	23	4.3	218	1
8	29	3.1	180	1
9	25	3.9	191	1
10	23	3.8	210	1
11	23	4.9	167	1
12	25	1.2	185	1
13	27	4.7	186	1
14	29	4.1	210	1
15	27	4.9	185	1
16	25	4.1	180	0
17	29	3.3	168	0
18	25	3.1	186	1
19	25	1.5	159	1
20	26	3.6	184	1
21	24	4.6	224	1
22	29	4.8	185	1
23	23	2.6	188	1
24	28	2.2	170	1
25	26	2.4	201	1
26	28	4.1	163	1
27	24	4.3	198	1
28	25	1.1	166	1
29	28	1.2	217	0
30	27	4.9	215	1
Detection Percentage: 90 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	18	6.2	213	1
2	18	6.5	477	1
3	18	6.2	400	1
4	17	10.0	470	1
5	18	7.4	440	1
6	18	8.5	308	1
7	16	7.3	391	1
8	17	6.8	357	1
9	17	8.3	236	1
10	16	8.8	234	1
11	16	8.6	202	1
12	18	7.3	485	1
13	17	6.3	423	1
14	16	6.5	440	0
15	16	8.8	281	1
16	18	8.4	454	1
17	18	6.2	220	1
18	18	10.0	413	0
19	16	7.9	269	1
20	17	7.7	295	1
21	17	9.0	222	1
22	16	8.2	240	1
23	17	8.6	200	1
24	17	7.6	475	1
25	16	8.3	278	1
26	17	8.9	219	1
27	16	9.1	305	1
28	16	8.0	478	0
29	17	9.0	205	0
30	16	7.3	337	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	15	15.3	447	1
2	12	19.5	236	1
3	16	19.1	458	1
4	15	12.7	383	0
5	16	18.0	483	1
6	13	11.5	339	1
7	16	13.6	467	1
8	12	16.2	487	1
9	12	15.2	399	1
10	13	14.0	371	1
11	14	12.7	257	1
12	14	14.7	377	1
13	14	12.8	470	1
14	12	18.4	494	1
15	12	11.8	217	1
16	14	14.5	287	1
17	14	18.9	267	1
18	16	19.4	298	1
19	16	18.0	447	1
20	15	20.0	484	1
21	13	15.9	344	1
22	16	17.4	413	1
23	16	18.1	360	1
24	14	11.1	484	1
25	14	15.7	202	1
26	13	19.0	480	0
27	12	15.2	388	1
28	16	14.5	202	1
29	13	17.6	255	1
30	15	13.1	442	1
Detection Percentage: 93.3 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5496.7	1
12	5497.1	1
13	5497.1	1
14	5493.9	1
15	5494.7	1
16	5499.5	1
17	5497.1	1
18	5494.3	1
19	5493.9	1
20	5498.7	1
21	5504.9	1
22	5505.7	1
23	5501.3	1
24	5500.9	1
25	5504.9	1
26	5504.5	1
27	5503.3	1
28	5504.1	1
29	5503.7	1
30	5501.3	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	91.0	1193	1550	0.612413	
1	3	5	59.0	1594	1730	1.880135	
2	2	5	94.3	1150		2.705298	
3	3	5	69.7	1202	1438	3.805814	
4	2	5	98.8	1093		5.385985	
5	2	5	52.5	1637		5.599461	1
6	2	5	58.1	1704		7.563965	
7	2	5	60.4	1553		8.546990	
8	3	5	65.6	1527	1714	9.041563	
9	3	5	91.4	1285	1460	10.407647	
10	2	5	92.5	1170		11.801895	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	6	61.6	1329	1510	0.145758	
1	2	6	50.7	1978		1.147478	
2	2	6	51.8	1841		1.394197	
3	1	6	57.9			2.413092	
4	3	6	79.1	1593	1673	2.828524	
5	2	6	91.0	1643		3.159588	
6	1	6	59.1			4.311052	
7	2	6	87.5	1929		4.823161	
8	1	6	60.8			5.143679	
9	2	6	86.7	1899		5.765968	1
10	3	6	94.1	1328	1473	6.930170	
11	1	6	94.2			7.009200	
12	3	6	51.7	1345	1940	7.876486	
13	2	6	70.8	1058		8.266714	
14	2	6	56.1	1303		9.181804	
15	3	6	78.8	1934	1738	9.960655	
16	2	6	95.9	1397		10.311197	
17	2	6	81.4	1645		11.106566	
18	2	6	85.6	1777		11.652134	

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	8	82.3	1573	1422	0.316921	1
1	2	8	65.6	1371		0.884717	
2	3	8	62.0	1184	1301	1.608737	
3	2	8	66.0	1577		2.513783	
4	1	8	75.3			2.857215	
5	2	8	64.1	1527		3.526664	
6	3	8	94.5	1167	1674	4.398576	
7	2	8	50.6	1873		5.221528	
8	2	8	90.6	1501		5.572685	
9	3	8	59.2	1011	1744	6.060895	
10	1	8	55.8			7.082372	
11	2	8	88.8	1929		7.894363	
12	1	8	53.9			8.576373	
13	2	8	78.1	1837		8.851212	
14	3	8	89.4	1037	1675	9.813752	
15	1	8	72.4			10.263149	
16	1	8	71.9			11.113060	
17	2	8	80.3	1306		11.506206	

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	93.0	1441		0.383731	1
1	2	9	80.4	1403		1.102509	
2	3	9	64.0	1779	1589	1.929686	
3	1	9	91.0			2.625807	
4	1	9	79.1			3.835158	
5	2	9	82.4	1543		4.198023	
6	2	9	59.4	1219		4.873739	
7	3	9	55.9	1227	1783	6.185843	
8	2	9	64.0	1320		7.157708	
9	2	9	60.7	1366		7.605847	
10	1	9	78.7			8.269498	
11	2	9	92.6	1390		9.501598	
12	2	9	58.7	1830		9.880052	
13	2	9	58.9	1466		10.699337	
14	2	9	84.8	1690		11.311509	

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	7	79.0	1012		0.126792	
1	2	7	99.6	1027		1.099367	
2	2	7	57.6	1656		1.573128	
3	1	7	93.6			2.644559	
4	2	7	83.8	1688		3.516168	
5	2	7	68.8	1348		3.602314	
6	1	7	81.6			4.341822	
7	3	7	93.8	1070	1834	5.043180	
8	1	7	61.0			5.927875	1
9	2	7	83.8	1984		7.017420	
10	1	7	65.4			7.749490	
11	2	7	87.8	1838		8.443545	
12	2	7	94.5	1860		9.161202	
13	2	7	51.5	1586		9.798543	
14	3	7	54.5	1564	1234	10.197597	
15	3	7	84.2	1906	1207	10.744450	
16	1	7	99.9			11.941894	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	70.9			1.326001	
1	2	6	91.6	1175		1.472420	
2	2	6	87.9	1661		3.552394	
3	1	6	59.2			4.258530	
4	2	6	65.9	1579		6.434341	1
5	3	6	63.4	1346	1229	7.901427	
6	2	6	58.2	1137		8.456492	
7	3	6	63.0	1882	1196	10.223228	
8	2	6	96.5	1867		11.427484	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	77.4	1139	1759	0.270960	1
1	2	10	51.0	1781		0.994831	
2	2	10	84.5	1237		2.295284	
3	2	10	99.4	1778		2.762442	
4	3	10	87.4	1328	1003	3.538111	
5	3	10	79.0	1672	1407	4.757753	
6	3	10	55.1	1127	1321	5.900652	
7	2	10	97.2	1365		6.844973	
8	2	10	78.7	1235		7.627580	
9	2	10	73.1	1102		8.319539	
10	3	10	67.2	1106	1414	9.312837	
11	3	10	86.9	1234	1487	9.518626	
12	2	10	66.1	1777		10.931818	
13	1	10	74.1			11.877509	

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	11	90.8	1484		1.114252	1
1	1	11	77.8			2.695587	
2	3	11	77.7	1155	1887	3.830698	
3	2	11	77.1	1714		4.608075	
4	2	11	73.0	1934		6.442977	
5	2	11	98.3	1408		8.875291	
6	2	11	65.4	1525		10.214695	
7	1	11	82.5			11.437572	

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	6	61.4	1286		0.474742	
1	1	6	63.1			1.393153	
2	1	6	74.3			1.817422	
3	3	6	51.0	1700	1692	3.085275	
4	1	6	91.4			3.792665	
5	2	6	53.6	1443		4.479741	
6	1	6	75.0			4.917530	
7	2	6	52.7	1120		5.836678	1
8	3	6	51.0	1130	1133	6.464132	
9	2	6	93.6	1191		7.516212	
10	3	6	97.0	1563	1845	8.640724	
11	1	6	81.7			9.521190	
12	1	6	92.5			10.361066	
13	2	6	71.6	1081		10.915850	
14	2	6	53.2	1416		11.617897	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	97.7			0.269480	
1	1	13	62.9			0.879824	
2	2	13	88.4	1652		2.009504	
3	1	13	97.8			2.703369	
4	3	13	96.7	1912	1061	2.896628	
5	3	13	68.9	1132	1328	3.868577	
6	3	13	66.8	1692	1652	4.523390	
7	3	13	98.3	1636	1201	5.553124	
8	2	13	62.0	1616		5.676319	1
9	1	13	52.3			6.400733	
10	1	13	79.4			7.625264	
11	2	13	54.3	1394		8.309404	
12	2	13	86.5	1330		8.746185	
13	2	13	66.5	1303		9.247475	
14	3	13	99.8	1131	1804	10.364175	
15	3	13	97.6	1892	1629	10.694333	
16	2	13	99.0	1349		11.861628	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	86.3	1699		1.214709	
1	2	13	54.1	1355		1.964673	
2	3	13	78.6	1837	1345	2.840378	
3	1	13	93.4			4.343000	
4	3	13	86.4	1010	1336	5.513522	1
5	1	13	76.6			7.269819	
6	3	13	95.8	1018	1110	8.089110	
7	1	13	80.1			10.050202	
8	2	13	81.1	1087		10.947746	

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	14	59.4	1980		0.089826	
1	1	14	81.4			1.549857	
2	2	14	56.9	1706		3.503238	
3	1	14	95.3			4.364858	
4	2	14	76.3	1051		5.284907	
5	3	14	64.5	1048	1578	6.183215	1
6	1	14	97.2			8.271406	
7	3	14	68.1	1667	1680	9.076860	
8	3	14	92.6	1858	1945	10.316518	
9	3	14	78.7	1716	1664	11.421840	

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	14	53.8	1172		0.556710	
1	3	14	90.7	1647	1349	0.880203	
2	2	14	63.0	1525		1.870734	
3	2	14	87.3	1212		3.159276	
4	2	14	92.6	1109		3.972968	
5	2	14	69.1	1139		4.064402	
6	1	14	53.9			5.370191	
7	1	14	69.0			5.784504	1
8	1	14	89.9			6.587179	
9	2	14	79.4	1491		7.391930	
10	2	14	72.2	1365		8.568416	
11	3	14	58.4	1440	1191	9.315555	
12	3	14	52.0	1369	1065	9.898186	
13	3	14	72.3	1745	1815	10.873657	
14	3	14	74.8	1996	1071	11.332387	

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	6	55.7	1802		0.395968	
1	2	6	80.7	1795		1.486482	
2	1	6	87.4			2.565443	
3	3	6	76.5	1276	1400	2.700766	
4	2	6	62.9	1723		3.953605	
5	2	6	55.0	1620		5.111773	
6	3	6	82.4	1690	1039	5.971351	
7	3	6	53.1	1043	1261	6.616267	1
8	2	6	94.2	1096		7.419222	
9	2	6	85.8	1842		8.032285	
10	2	6	85.0	1413		9.210803	
11	1	6	54.4			9.940345	
12	2	6	68.8	1500		11.126042	
13	2	6	66.0	1589		11.697828	

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	8	83.7	1106		0.596376	
1	3	8	59.4	1874	1100	1.285787	
2	2	8	91.6	1311		2.332784	
3	1	8	93.0			2.716537	
4	2	8	95.6	1958		3.472242	
5	2	8	64.3	1481		4.758563	
6	2	8	55.0	1772		5.449044	
7	2	8	73.1	1158		5.849517	1
8	3	8	64.9	1059	1649	6.969183	
9	2	8	92.5	1880		7.460540	
10	1	8	82.7			8.497008	
11	1	8	53.1			9.473303	
12	3	8	93.5	1473	1634	9.646490	
13	1	8	67.4			10.961192	
14	1	8	56.5			11.758750	

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	20	59.5	1592		0.883088	
1	3	20	74.7	1644	1683	1.710338	
2	3	20	63.6	1505	1424	3.316650	
3	2	20	99.0	1474		4.728121	1
4	3	20	71.0	1636	1243	6.919141	
5	2	20	67.3	1591		8.457277	
6	3	20	74.0	1841	1439	9.265922	
7	2	20	93.1	1189		10.981343	

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	14	96.5			0.116709	1
1	1	14	87.5			1.170846	
2	2	14	86.8	1642		2.009732	
3	2	14	82.1	1071		3.989543	
4	2	14	64.6	1661		4.237257	
5	3	14	77.7	1376	1254	5.278288	
6	3	14	74.5	1525	1351	6.047150	
7	1	14	62.0			7.461666	
8	1	14	86.5			8.187687	
9	1	14	80.2			9.617237	
10	1	14	55.1			10.433734	
11	2	14	86.3	1607		11.537985	

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	7	64.7	1463		0.151931	1
1	3	7	97.3	1992	1149	1.292927	
2	2	7	91.7	1326		1.909763	
3	3	7	67.0	1942	1127	2.445514	
4	2	7	60.8	1116		3.156947	
5	2	7	61.3	1922		3.878357	
6	3	7	97.4	1478	1794	4.298385	
7	2	7	98.8	1490		5.000985	
8	1	7	74.0			6.138519	
9	2	7	54.9	1167		6.877372	
10	3	7	77.1	1762	1485	7.061641	
11	2	7	62.3	1281		8.095866	
12	2	7	59.1	1324		8.811136	
13	2	7	79.9	1700		9.242232	
14	1	7	84.9			10.051918	
15	3	7	97.7	1983	1730	11.065629	
16	2	7	56.6	1840		11.565572	

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	6	87.2	1467		0.160334	
1	3	6	65.2	1621	1831	1.204824	
2	2	6	58.2	1123		2.203420	
3	3	6	86.0	1125	1500	2.508903	
4	1	6	97.4			3.621361	
5	3	6	87.1	1928	1179	4.168038	
6	3	6	88.5	1304	1357	4.832228	
7	3	6	87.3	1441	1273	5.959680	1
8	1	6	90.7			7.127580	
9	1	6	78.7			7.767632	
10	2	6	58.3	1769		8.355537	
11	2	6	59.7	1924		9.092282	
12	1	6	95.6			10.021958	
13	3	6	88.3	1358	1327	11.163835	
14	2	6	90.2	1030		11.713006	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	60.4	1983	1031	0.721405	
1	2	18	72.5	1898		2.197853	
2	2	18	81.7	1954		3.068397	
3	2	18	81.6	1116		4.238693	
4	2	18	64.6	1605		5.691160	
5	3	18	53.0	1039	1532	6.686594	1
6	2	18	75.8	1357		7.208929	
7	3	18	87.6	1646	1174	9.122488	
8	1	18	61.7			10.000692	
9	2	18	59.8	1792		10.863004	

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	3	9	56.9	1764	1200	0.262240	
1	2	9	90.6	1361		1.239351	
2	2	9	94.5	1412		1.353312	
3	2	9	98.3	1764		2.090432	
4	2	9	84.7	1975		2.903302	
5	2	9	85.7	1061		3.328892	
6	2	9	54.5	1868		4.048450	
7	2	9	68.8	1259		4.472979	
8	2	9	82.1	1722		5.407332	
9	2	9	54.1	1934		6.180516	1
10	3	9	68.3	1291	1745	6.434010	
11	3	9	92.8	1393	1880	7.048789	
12	2	9	50.1	1842		7.908891	
13	1	9	66.6			8.549871	
14	2	9	97.1	1239		9.078046	
15	1	9	98.9			10.045553	
16	2	9	78.9	1355		10.418059	
17	2	9	53.9	1880		11.216634	
18	3	9	67.9	1407	1772	11.450486	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	57.0	1205		0.273012	
1	3	7	80.3	1780	1096	2.296427	
2	2	7	53.8	1060		2.731458	
3	1	7	91.6			4.245993	
4	2	7	56.3	1427		5.990133	1
5	2	7	53.4	1049		6.386542	
6	1	7	61.6			7.883039	
7	1	7	51.2			9.340199	
8	3	7	74.1	1139	1117	10.540686	
9	1	7	56.1			11.499256	

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	73.6	1428		0.783743	
1	3	18	80.9	1618	1555	2.065190	
2	2	18	86.6	1883		3.081674	
3	1	18	51.7			4.048042	
4	3	18	91.1	1409	1296	4.468028	
5	1	18	62.0			6.314908	1
6	2	18	94.0	1559		7.506650	
7	1	18	61.3			7.719662	
8	1	18	73.3			9.199639	
9	2	18	75.2	1193		10.275099	
10	3	18	94.6	1826	1646	11.712399	

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	19	68.7			0.522971	
1	2	19	95.9	1846		1.304299	
2	2	19	67.4	1417		1.973244	
3	1	19	69.3			2.913049	
4	2	19	73.0	1882		3.295310	
5	2	19	88.3	1878		4.318918	
6	2	19	79.9	1849		5.137736	
7	2	19	64.3	1888		5.786292	
8	1	19	97.1			6.582762	1
9	2	19	63.5	1984		6.861248	
10	2	19	89.6	1127		8.225910	
11	1	19	80.1			8.379356	
12	1	19	91.6			9.598452	
13	1	19	69.7			9.902955	
14	3	19	85.0	1466	1694	11.204530	
15	2	19	70.5	1081		11.628288	

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	96.1			0.585842	1
1	2	9	72.2	1106		1.101849	
2	3	9	52.7	1365	1337	1.330013	
3	1	9	77.9			2.006595	
4	1	9	52.5			2.725789	
5	3	9	66.5	1214	1271	3.394804	
6	1	9	97.9			3.837964	
7	2	9	78.1	1737		4.333703	
8	3	9	55.9	1975	1846	5.209392	
9	1	9	60.2			5.927105	
10	1	9	83.4			6.559536	
11	2	9	64.3	1625		6.642377	
12	2	9	57.5	1555		7.511245	
13	3	9	69.6	1722	1602	8.213356	
14	1	9	73.3			8.468988	
15	2	9	95.3	1011		9.436277	
16	1	9	93.6			10.053809	
17	2	9	82.5	1500		10.445703	
18	1	9	51.0			10.926404	
19	3	9	82.5	1183	1062	11.733021	

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	52.7	1923		0.137706	
1	1	10	99.2			1.952178	
2	3	10	84.5	1937	1738	3.065521	
3	2	10	95.8	1475		4.050044	
4	1	10	92.6			5.155919	
5	2	10	75.6	1684		5.536366	1
6	3	10	92.1	1019	1595	7.178293	
7	2	10	70.6	1475		8.538144	
8	1	10	51.2			8.969347	
9	3	10	69.0	1354	1503	10.122498	
10	2	10	89.4	1257		11.140358	

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	13	90.2			0.401581	
1	2	13	88.6	1599		0.806355	
2	3	13	90.2	1615	1406	1.571556	
3	3	13	58.7	1745	1217	2.397365	
4	2	13	92.8	1395		3.541996	
5	3	13	93.0	1951	1482	4.448768	
6	2	13	60.3	1247		5.000220	
7	2	13	64.0	1270		5.722684	
8	3	13	84.4	1483	1049	6.659147	1
9	3	13	55.0	1529	1653	6.826774	
10	1	13	61.9			8.030007	
11	2	13	56.5	1843		8.332700	
12	1	13	58.3			9.410007	
13	3	13	59.6	1959	1176	10.361504	
14	2	13	68.2	1073		11.016613	
15	2	13	93.4	1371		11.476131	

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	81.1			0.254503	
1	2	11	62.2	1592		0.756656	
2	1	11	90.3			1.660779	
3	2	11	84.6	1565		2.531946	
4	3	11	52.9	1927	1038	3.332748	
5	2	11	69.5	1211		3.772922	
6	2	11	76.0	1069		4.800092	
7	2	11	96.6	1588		5.334608	
8	2	11	93.3	1267		6.166344	1
9	2	11	52.8	1243		6.673877	
10	1	11	71.4			7.069428	
11	3	11	59.4	1500	1682	8.159024	
12	3	11	57.4	1971	1416	9.108113	
13	1	11	80.0			9.281037	
14	1	11	50.5			10.399560	
15	1	11	78.7			11.159682	
16	3	11	55.8	1696	1082	11.526033	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	89.5			0.906878	
1	2	12	60.2	1525		2.178435	
2	2	12	72.0	1397		2.717814	
3	3	12	71.3	1432	1514	5.259878	
4	3	12	57.9	1234	1345	5.732400	1
5	2	12	76.2	1418		7.117592	
6	3	12	94.0	1135	1815	9.273206	
7	3	12	87.3	1256	1854	9.758181	
8	1	12	75.6			11.835257	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	65.7	1488	1689	0.349360	
1	1	18	70.5			1.422159	
2	2	18	90.4	1780		1.947384	
3	1	18	99.9			2.629088	
4	3	18	50.7	1671	1550	3.877363	
5	2	18	68.1	1693		4.535145	
6	2	18	95.1	1365		5.589526	
7	1	18	70.2			6.115471	1
8	2	18	50.2	1978		6.490714	
9	3	18	64.8	1714	1850	7.639321	
10	3	18	54.7	1574	1754	8.558539	
11	2	18	65.4	1441		9.554022	
12	2	18	67.3	1962		9.746612	
13	2	18	78.8	1005		10.894746	
14	1	18	97.3			11.267711	

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	5714.0, 5277.0, 5561.0, 5337.0, 5618.0, 5369.0, 5427.0, 5366.0, 5507.0, 5374.0, 5696.0, 5426.0, 5378.0, 5515.0, 5452.0, 5578.0, 5275.0, 5252.0, 5652.0, 5545.0, 5711.0, 5440.0, 5590.0, 5380.0, 5446.0, 5701.0, 5589.0, 5638.0, 5505.0, 5328.0, 5321.0, 5251.0, 5564.0, 5469.0, 5528.0, 5261.0, 5560.0, 5262.0, 5254.0, 5285.0, 5336.0, 5465.0, 5292.0, 5607.0, 5698.0, 5339.0, 5525.0, 5648.0, 5676.0, 5579.0, 5360.0, 5716.0, 5685.0, 5367.0, 5677.0, 5581.0, 5602.0, 5340.0, 5384.0, 5467.0, 5431.0, 5401.0, 5466.0, 5655.0, 5596.0, 5717.0, 5357.0, 5574.0, 5329.0, 5506.0, 5403.0, 5610.0, 5658.0, 5393.0, 5527.0, 5481.0, 5371.0, 5258.0, 5350.0, 5556.0, 5625.0, 5432.0, 5621.0, 5477.0, 5405.0, 5376.0, 5445.0, 5550.0, 5377.0, 5273.0, 5697.0, 5669.0, 5504.0, 5546.0, 5623.0, 5296.0, 5388.0, 5379.0, 5611.0, 5343.0 (number of hits: 4)
2	5500.0	9	1.0	333	1	5721.0, 5704.0, 5673.0, 5540.0, 5296.0, 5442.0, 5335.0, 5709.0, 5263.0, 5298.0, 5444.0, 5370.0, 5413.0, 5548.0, 5415.0, 5679.0, 5518.0, 5586.0, 5470.0, 5419.0, 5535.0, 5259.0, 5723.0, 5530.0, 5421.0, 5659.0, 5308.0, 5333.0, 5683.0, 5495.0, 5402.0, 5366.0, 5692.0, 5572.0, 5294.0, 5354.0, 5644.0, 5710.0, 5255.0, 5708.0, 5302.0, 5595.0, 5570.0, 5587.0, 5598.0, 5317.0, 5299.0, 5441.0, 5284.0, 5382.0, 5482.0, 5607.0, 5396.0, 5468.0, 5434.0, 5480.0, 5252.0, 5716.0, 5657.0, 5569.0, 5516.0, 5474.0, 5678.0, 5342.0, 5658.0, 5447.0, 5594.0, 5697.0, 5327.0, 5326.0, 5499.0, 5361.0, 5681.0, 5671.0, 5458.0, 5371.0, 5289.0, 5551.0, 5292.0, 5472.0, 5591.0, 5610.0, 5341.0, 5336.0, 5352.0, 5534.0, 5345.0, 5705.0, 5566.0, 5374.0, 5533.0, 5368.0, 5479.0, 5422.0, 5680.0, 5464.0, 5395.0, 5497.0, 5355.0, 5694.0 (number of hits: 3)
3	5500.0	9	1.0	333	1	5547.0, 5492.0, 5252.0, 5647.0, 5550.0, 5449.0, 5479.0, 5700.0, 5506.0, 5618.0, 5644.0, 5631.0, 5428.0, 5262.0, 5376.0, 5629.0, 5597.0, 5353.0, 5436.0, 5560.0, 5288.0, 5698.0, 5648.0, 5511.0, 5419.0, 5387.0, 5361.0, 5280.0, 5622.0, 5277.0, 5571.0, 5555.0, 5365.0, 5544.0, 5257.0, 5375.0, 5478.0, 5326.0, 5520.0, 5493.0, 5320.0, 5679.0, 5431.0, 5380.0, 5617.0, 5713.0, 5276.0, 5596.0, 5322.0, 5619.0, 5362.0, 5314.0, 5569.0, 5653.0, 5665.0, 5480.0, 5406.0, 5473.0, 5495.0, 5606.0, 5502.0, 5475.0, 5325.0, 5677.0, 5662.0, 5348.0, 5265.0, 5683.0, 5384.0, 5413.0, 5660.0, 5370.0, 5600.0, 5432.0, 5263.0, 5643.0, 5654.0, 5309.0, 5624.0, 5411.0, 5695.0, 5405.0, 5250.0, 5607.0, 5401.0, 5615.0, 5297.0, 5299.0, 5685.0, 5565.0, 5658.0, 5503.0, 5433.0, 5689.0, 5463.0, 5341.0, 5602.0, 5390.0, 5670.0, 5409.0 (number of hits: 6)
4	5500.0	9	1.0	333	1	5288.0, 5492.0, 5689.0, 5544.0, 5433.0, 5553.0, 5315.0, 5438.0, 5346.0, 5691.0, 5364.0, 5375.0, 5551.0, 5536.0, 5473.0, 5589.0, 5705.0, 5619.0, 5377.0, 5294.0, 5568.0, 5340.0, 5708.0, 5563.0, 5331.0, 5501.0, 5685.0, 5480.0, 5283.0, 5598.0, 5252.0, 5607.0, 5645.0, 5676.0, 5517.0, 5543.0, 5279.0, 5558.0, 5450.0, 5677.0, 5564.0, 5277.0, 5382.0, 5321.0, 5347.0, 5484.0, 5292.0, 5464.0, 5365.0, 5566.0, 5648.0, 5309.0, 5541.0, 5608.0, 5404.0, 5361.0, 5694.0, 5358.0, 5697.0, 5455.0, 5512.0, 5372.0, 5374.0, 5552.0, 5490.0, 5722.0, 5439.0, 5651.0, 5479.0, 5299.0, 5495.0, 5603.0, 5701.0, 5531.0, 5466.0, 5555.0, 5647.0, 5650.0, 5511.0, 5343.0, 5578.0, 5572.0, 5334.0, 5289.0, 5441.0, 5318.0, 5401.0, 5696.0, 5666.0, 5487.0, 5633.0, 5583.0, 5477.0, 5427.0, 5443.0, 5535.0, 5456.0, 5591.0, 5614.0, 5516.0 (number of hits: 3)
5	5500.0	9	1.0	333	1	5590.0, 5565.0, 5664.0, 5301.0, 5366.0, 5354.0, 5365.0, 5447.0, 5642.0, 5387.0, 5421.0, 5305.0, 5273.0, 5487.0, 5572.0, 5586.0, 5473.0, 5477.0, 5294.0, 5419.0, 5682.0, 5370.0, 5567.0, 5259.0,

						5624.0, 5515.0, 5697.0, 5332.0, 5258.0, 5503.0, 5455.0, 5645.0, 5597.0, 5319.0, 5317.0, 5306.0, 5679.0, 5372.0, 5496.0, 5255.0, 5355.0, 5612.0, 5418.0, 5579.0, 5512.0, 5710.0, 5611.0, 5605.0, 5585.0, 5342.0, 5618.0, 5517.0, 5563.0, 5315.0, 5257.0, 5482.0, 5723.0, 5281.0, 5436.0, 5693.0, 5314.0, 5299.0, 5665.0, 5533.0, 5633.0, 5625.0, 5622.0, 5287.0, 5634.0, 5344.0, 5650.0, 5638.0, 5376.0, 5451.0, 5369.0, 5492.0, 5491.0, 5539.0, 5378.0, 5558.0, 5522.0, 5655.0, 5501.0, 5593.0, 5443.0, 5469.0, 5537.0, 5300.0, 5702.0, 5708.0, 5316.0, 5672.0, 5692.0, 5338.0, 5551.0, 5412.0, 5413.0, 5654.0, 5389.0, 5313.0 (number of hits: 4)
6	5500.0	9	1.0	333	1	5579.0, 5601.0, 5455.0, 5669.0, 5451.0, 5698.0, 5583.0, 5637.0, 5694.0, 5611.0, 5664.0, 5692.0, 5383.0, 5517.0, 5309.0, 5296.0, 5538.0, 5289.0, 5596.0, 5367.0, 5716.0, 5668.0, 5334.0, 5633.0, 5413.0, 5277.0, 5627.0, 5330.0, 5284.0, 5319.0, 5496.0, 5623.0, 5598.0, 5416.0, 5310.0, 5592.0, 5419.0, 5632.0, 5674.0, 5398.0, 5483.0, 5610.0, 5662.0, 5312.0, 5621.0, 5469.0, 5643.0, 5609.0, 5326.0, 5350.0, 5676.0, 5683.0, 5641.0, 5690.0, 5582.0, 5341.0, 5426.0, 5449.0, 5608.0, 5315.0, 5348.0, 5629.0, 5521.0, 5578.0, 5529.0, 5365.0, 5335.0, 5548.0, 5300.0, 5661.0, 5573.0, 5682.0, 5587.0, 5724.0, 5393.0, 5252.0, 5552.0, 5329.0, 5696.0, 5485.0, 5693.0, 5504.0, 5466.0, 5488.0, 5371.0, 5268.0, 5458.0, 5337.0, 5267.0, 5338.0, 5684.0, 5658.0, 5422.0, 5360.0, 5530.0, 5539.0, 5645.0, 5551.0, 5630.0, 5665.0 (number of hits: 2)
7	5500.0	9	1.0	333	1	5332.0, 5304.0, 5571.0, 5551.0, 5614.0, 5280.0, 5657.0, 5441.0, 5532.0, 5319.0, 5555.0, 5337.0, 5390.0, 5296.0, 5669.0, 5548.0, 5498.0, 5658.0, 5318.0, 5333.0, 5718.0, 5668.0, 5579.0, 5455.0, 5663.0, 5411.0, 5401.0, 5681.0, 5582.0, 5342.0, 5493.0, 5464.0, 5627.0, 5508.0, 5450.0, 5545.0, 5440.0, 5308.0, 5702.0, 5420.0, 5629.0, 5414.0, 5480.0, 5329.0, 5251.0, 5722.0, 5428.0, 5608.0, 5660.0, 5563.0, 5518.0, 5621.0, 5265.0, 5406.0, 5641.0, 5289.0, 5716.0, 5530.0, 5634.0, 5643.0, 5430.0, 5275.0, 5312.0, 5412.0, 5482.0, 5565.0, 5384.0, 5274.0, 5302.0, 5394.0, 5645.0, 5378.0, 5476.0, 5528.0, 5259.0, 5653.0, 5682.0, 5381.0, 5628.0, 5707.0, 5403.0, 5587.0, 5422.0, 5639.0, 5656.0, 5355.0, 5385.0, 5678.0, 5314.0, 5723.0, 5687.0, 5655.0, 5260.0, 5327.0, 5568.0, 5269.0, 5326.0, 5409.0, 5434.0, 5367.0 (number of hits: 2)
8	5500.0	9	1.0	333	1	5659.0, 5652.0, 5619.0, 5560.0, 5274.0, 5593.0, 5342.0, 5720.0, 5468.0, 5513.0, 5530.0, 5296.0, 5700.0, 5714.0, 5340.0, 5483.0, 5677.0, 5495.0, 5617.0, 5481.0, 5417.0, 5416.0, 5716.0, 5331.0, 5478.0, 5509.0, 5398.0, 5521.0, 5494.0, 5324.0, 5293.0, 5528.0, 5660.0, 5258.0, 5423.0, 5291.0, 5510.0, 5362.0, 5553.0, 5377.0, 5578.0, 5711.0, 5365.0, 5359.0, 5589.0, 5607.0, 5409.0, 5632.0, 5548.0, 5360.0, 5615.0, 5674.0, 5690.0, 5390.0, 5650.0, 5543.0, 5379.0, 5447.0, 5267.0, 5444.0, 5669.0, 5592.0, 5321.0, 5539.0, 5419.0, 5594.0, 5292.0, 5354.0, 5278.0, 5458.0, 5575.0, 5526.0, 5551.0, 5538.0, 5388.0, 5558.0, 5327.0, 5722.0, 5693.0, 5364.0, 5263.0, 5639.0, 5643.0, 5621.0, 5480.0, 5653.0, 5371.0, 5369.0, 5300.0, 5352.0, 5381.0, 5541.0, 5497.0, 5656.0, 5567.0, 5508.0, 5334.0, 5459.0, 5517.0, 5470.0 (number of hits: 3)
9	5500.0	9	1.0	333	1	5506.0, 5493.0, 5548.0, 5365.0, 5715.0, 5495.0, 5467.0, 5296.0, 5636.0, 5356.0, 5471.0, 5651.0, 5716.0, 5313.0, 5693.0, 5592.0, 5256.0, 5513.0, 5647.0, 5603.0, 5451.0, 5518.0, 5710.0, 5465.0, 5271.0, 5587.0, 5695.0, 5347.0, 5438.0, 5579.0, 5638.0, 5607.0, 5511.0, 5312.0, 5593.0, 5497.0, 5658.0, 5276.0, 5617.0, 5352.0, 5460.0, 5392.0, 5620.0, 5394.0, 5697.0, 5623.0, 5490.0, 5267.0, 5679.0, 5328.0, 5353.0, 5293.0, 5307.0, 5723.0, 5688.0, 5461.0, 5278.0, 5317.0, 5306.0, 5463.0, 5370.0, 5641.0, 5685.0, 5597.0, 5640.0, 5644.0, 5598.0, 5646.0, 5517.0, 5544.0, 5622.0, 5289.0, 5337.0, 5626.0, 5479.0, 5345.0, 5631.0, 5346.0, 5319.0, 5432.0, 5541.0, 5252.0, 5500.0, 5423.0, 5334.0, 5546.0, 5643.0, 5408.0, 5527.0, 5478.0, 5553.0, 5692.0, 5427.0, 5630.0, 5305.0, 5322.0,

						5709.0, 5530.0, 5721.0, 5426.0 (number of hits: 5)
10	5500.0	9	1.0	333	1	5467.0, 5488.0, 5514.0, 5661.0, 5385.0, 5687.0, 5459.0, 5618.0, 5700.0, 5289.0, 5283.0, 5449.0, 5288.0, 5576.0, 5511.0, 5704.0, 5452.0, 5551.0, 5387.0, 5383.0, 5492.0, 5719.0, 5616.0, 5394.0, 5264.0, 5309.0, 5701.0, 5718.0, 5292.0, 5267.0, 5615.0, 5589.0, 5332.0, 5557.0, 5703.0, 5523.0, 5662.0, 5571.0, 5639.0, 5297.0, 5304.0, 5412.0, 5337.0, 5331.0, 5654.0, 5445.0, 5365.0, 5259.0, 5318.0, 5599.0, 5554.0, 5699.0, 5443.0, 5407.0, 5509.0, 5610.0, 5621.0, 5376.0, 5525.0, 5485.0, 5550.0, 5605.0, 5333.0, 5611.0, 5716.0, 5338.0, 5300.0, 5429.0, 5626.0, 5433.0, 5688.0, 5608.0, 5346.0, 5379.0, 5423.0, 5545.0, 5588.0, 5359.0, 5581.0, 5401.0, 5391.0, 5351.0, 5435.0, 5696.0, 5399.0, 5343.0, 5457.0, 5632.0, 5427.0, 5628.0, 5336.0, 5462.0, 5319.0, 5495.0, 5583.0, 5541.0, 5640.0, 5633.0, 5527.0, 5327.0 (number of hits: 2)
11	5500.0	9	1.0	333	1	5644.0, 5313.0, 5369.0, 5364.0, 5427.0, 5531.0, 5604.0, 5647.0, 5670.0, 5475.0, 5572.0, 5523.0, 5440.0, 5628.0, 5292.0, 5690.0, 5677.0, 5386.0, 5264.0, 5596.0, 5275.0, 5671.0, 5702.0, 5274.0, 5350.0, 5379.0, 5429.0, 5266.0, 5403.0, 5639.0, 5373.0, 5392.0, 5667.0, 5362.0, 5408.0, 5540.0, 5556.0, 5573.0, 5698.0, 5525.0, 5416.0, 5272.0, 5455.0, 5305.0, 5332.0, 5401.0, 5388.0, 5382.0, 5366.0, 5653.0, 5623.0, 5680.0, 5716.0, 5592.0, 5561.0, 5346.0, 5570.0, 5535.0, 5721.0, 5581.0, 5330.0, 5353.0, 5495.0, 5293.0, 5268.0, 5651.0, 5576.0, 5679.0, 5599.0, 5479.0, 5442.0, 5331.0, 5598.0, 5360.0, 5676.0, 5720.0, 5326.0, 5310.0, 5482.0, 5325.0, 5538.0, 5412.0, 5605.0, 5437.0, 5613.0, 5565.0, 5458.0, 5546.0, 5477.0, 5262.0, 5306.0, 5634.0, 5663.0, 5368.0, 5552.0, 5478.0, 5377.0, 5541.0, 5544.0, 5345.0 (number of hits: 1)
12	5500.0	9	1.0	333	1	5421.0, 5501.0, 5510.0, 5469.0, 5617.0, 5310.0, 5643.0, 5330.0, 5598.0, 5397.0, 5655.0, 5717.0, 5721.0, 5566.0, 5647.0, 5467.0, 5277.0, 5459.0, 5556.0, 5528.0, 5426.0, 5588.0, 5482.0, 5436.0, 5646.0, 5627.0, 5263.0, 5543.0, 5314.0, 5509.0, 5645.0, 5641.0, 5453.0, 5708.0, 5609.0, 5302.0, 5515.0, 5382.0, 5294.0, 5594.0, 5565.0, 5319.0, 5662.0, 5526.0, 5300.0, 5272.0, 5590.0, 5391.0, 5657.0, 5275.0, 5463.0, 5642.0, 5573.0, 5377.0, 5472.0, 5635.0, 5486.0, 5389.0, 5550.0, 5445.0, 5298.0, 5656.0, 5454.0, 5280.0, 5490.0, 5281.0, 5650.0, 5432.0, 5607.0, 5344.0, 5404.0, 5516.0, 5570.0, 5460.0, 5438.0, 5680.0, 5346.0, 5434.0, 5457.0, 5289.0, 5451.0, 5448.0, 5325.0, 5564.0, 5546.0, 5376.0, 5679.0, 5374.0, 5309.0, 5363.0, 5430.0, 5331.0, 5580.0, 5267.0, 5268.0, 5405.0, 5396.0, 5672.0, 5296.0, 5417.0 (number of hits: 1)
13	5500.0	9	1.0	333	1	5404.0, 5512.0, 5304.0, 5498.0, 5632.0, 5501.0, 5542.0, 5543.0, 5680.0, 5344.0, 5618.0, 5552.0, 5292.0, 5339.0, 5387.0, 5415.0, 5360.0, 5253.0, 5252.0, 5579.0, 5289.0, 5523.0, 5475.0, 5255.0, 5471.0, 5683.0, 5398.0, 5711.0, 5479.0, 5504.0, 5349.0, 5474.0, 5257.0, 5460.0, 5486.0, 5271.0, 5547.0, 5365.0, 5533.0, 5629.0, 5598.0, 5377.0, 5573.0, 5623.0, 5703.0, 5263.0, 5462.0, 5306.0, 5256.0, 5640.0, 5279.0, 5281.0, 5283.0, 5364.0, 5392.0, 5545.0, 5706.0, 5324.0, 5356.0, 5553.0, 5426.0, 5626.0, 5712.0, 5382.0, 5413.0, 5298.0, 5630.0, 5519.0, 5352.0, 5563.0, 5710.0, 5625.0, 5327.0, 5419.0, 5663.0, 5679.0, 5677.0, 5261.0, 5282.0, 5274.0, 5395.0, 5391.0, 5518.0, 5611.0, 5633.0, 5546.0, 5491.0, 5529.0, 5569.0, 5527.0, 5641.0, 5484.0, 5334.0, 5467.0, 5296.0, 5658.0, 5325.0, 5294.0, 5656.0, 5453.0 (number of hits: 3)
14	5500.0	9	1.0	333	1	5457.0, 5275.0, 5389.0, 5372.0, 5704.0, 5601.0, 5534.0, 5251.0, 5515.0, 5574.0, 5476.0, 5468.0, 5268.0, 5324.0, 5423.0, 5695.0, 5364.0, 5280.0, 5721.0, 5344.0, 5582.0, 5644.0, 5691.0, 5395.0, 5672.0, 5542.0, 5371.0, 5619.0, 5257.0, 5299.0, 5541.0, 5605.0, 5352.0, 5556.0, 5346.0, 5411.0, 5590.0, 5450.0, 5424.0, 5397.0, 5565.0, 5385.0, 5455.0, 5294.0, 5649.0, 5493.0, 5502.0, 5690.0, 5339.0, 5264.0, 5538.0, 5422.0, 5667.0, 5285.0, 5461.0, 5328.0, 5679.0, 5528.0, 5614.0, 5261.0, 5707.0, 5652.0, 5407.0, 5459.0,

						5351.0, 5543.0, 5434.0, 5558.0, 5594.0, 5496.0, 5660.0, 5260.0, 5475.0, 5359.0, 5511.0, 5286.0, 5302.0, 5700.0, 5262.0, 5540.0, 5460.0, 5560.0, 5527.0, 5413.0, 5651.0, 5410.0, 5313.0, 5365.0, 5440.0, 5281.0, 5453.0, 5271.0, 5526.0, 5406.0, 5635.0, 5521.0, 5604.0, 5255.0, 5638.0, 5477.0 (number of hits: 3)
15	5500.0	9	1.0	333	1	5669.0, 5418.0, 5493.0, 5327.0, 5558.0, 5458.0, 5547.0, 5641.0, 5417.0, 5451.0, 5677.0, 5300.0, 5439.0, 5477.0, 5591.0, 5277.0, 5467.0, 5700.0, 5573.0, 5385.0, 5511.0, 5358.0, 5324.0, 5659.0, 5483.0, 5412.0, 5370.0, 5624.0, 5468.0, 5307.0, 5446.0, 5426.0, 5312.0, 5607.0, 5694.0, 5408.0, 5320.0, 5723.0, 5489.0, 5331.0, 5388.0, 5699.0, 5698.0, 5353.0, 5605.0, 5714.0, 5713.0, 5632.0, 5627.0, 5292.0, 5488.0, 5298.0, 5442.0, 5252.0, 5584.0, 5620.0, 5261.0, 5683.0, 5287.0, 5566.0, 5444.0, 5499.0, 5527.0, 5264.0, 5576.0, 5574.0, 5374.0, 5657.0, 5355.0, 5509.0, 5671.0, 5405.0, 5441.0, 5689.0, 5709.0, 5686.0, 5325.0, 5720.0, 5642.0, 5540.0, 5425.0, 5443.0, 5613.0, 5352.0, 5603.0, 5609.0, 5604.0, 5448.0, 5536.0, 5271.0, 5594.0, 5542.0, 5378.0, 5630.0, 5587.0, 5309.0, 5340.0, 5486.0, 5721.0, 5345.0 (number of hits: 2)
16	5500.0	9	1.0	333	1	5719.0, 5575.0, 5322.0, 5388.0, 5362.0, 5405.0, 5380.0, 5446.0, 5311.0, 5666.0, 5566.0, 5444.0, 5413.0, 5440.0, 5630.0, 5269.0, 5327.0, 5623.0, 5680.0, 5452.0, 5459.0, 5254.0, 5500.0, 5574.0, 5605.0, 5463.0, 5296.0, 5478.0, 5661.0, 5438.0, 5633.0, 5471.0, 5286.0, 5297.0, 5253.0, 5571.0, 5470.0, 5577.0, 5510.0, 5663.0, 5256.0, 5357.0, 5654.0, 5423.0, 5568.0, 5540.0, 5565.0, 5505.0, 5464.0, 5615.0, 5328.0, 5511.0, 5370.0, 5424.0, 5410.0, 5508.0, 5404.0, 5710.0, 5723.0, 5375.0, 5557.0, 5301.0, 5419.0, 5642.0, 5528.0, 5351.0, 5660.0, 5252.0, 5647.0, 5627.0, 5713.0, 5350.0, 5402.0, 5443.0, 5369.0, 5457.0, 5260.0, 5589.0, 5302.0, 5636.0, 5650.0, 5624.0, 5453.0, 5305.0, 5333.0, 5625.0, 5458.0, 5439.0, 5607.0, 5614.0, 5573.0, 5361.0, 5359.0, 5360.0, 5548.0, 5674.0, 5644.0, 5465.0, 5339.0, 5299.0 (number of hits: 2)
17	5500.0	9	1.0	333	1	5370.0, 5676.0, 5472.0, 5352.0, 5416.0, 5510.0, 5455.0, 5590.0, 5494.0, 5641.0, 5419.0, 5624.0, 5417.0, 5251.0, 5603.0, 5446.0, 5299.0, 5450.0, 5389.0, 5308.0, 5502.0, 5488.0, 5689.0, 5523.0, 5489.0, 5599.0, 5696.0, 5452.0, 5537.0, 5505.0, 5575.0, 5497.0, 5702.0, 5371.0, 5560.0, 5667.0, 5253.0, 5444.0, 5479.0, 5549.0, 5589.0, 5564.0, 5428.0, 5713.0, 5414.0, 5408.0, 5514.0, 5337.0, 5625.0, 5542.0, 5396.0, 5679.0, 5357.0, 5471.0, 5570.0, 5386.0, 5268.0, 5715.0, 5467.0, 5418.0, 5356.0, 5519.0, 5567.0, 5571.0, 5553.0, 5600.0, 5420.0, 5426.0, 5335.0, 5296.0, 5490.0, 5364.0, 5259.0, 5282.0, 5348.0, 5457.0, 5284.0, 5285.0, 5709.0, 5659.0, 5427.0, 5456.0, 5568.0, 5401.0, 5304.0, 5705.0, 5515.0, 5390.0, 5387.0, 5613.0, 5650.0, 5585.0, 5615.0, 5699.0, 5445.0, 5340.0, 5574.0, 5541.0, 5640.0, 5320.0 (number of hits: 4)
18	5500.0	9	1.0	333	1	5573.0, 5301.0, 5689.0, 5539.0, 5319.0, 5648.0, 5658.0, 5358.0, 5575.0, 5400.0, 5612.0, 5567.0, 5262.0, 5475.0, 5614.0, 5473.0, 5608.0, 5299.0, 5600.0, 5512.0, 5378.0, 5535.0, 5253.0, 5482.0, 5296.0, 5280.0, 5438.0, 5497.0, 5414.0, 5639.0, 5547.0, 5335.0, 5544.0, 5339.0, 5290.0, 5256.0, 5677.0, 5425.0, 5479.0, 5393.0, 5270.0, 5452.0, 5592.0, 5466.0, 5518.0, 5287.0, 5305.0, 5580.0, 5589.0, 5554.0, 5316.0, 5355.0, 5576.0, 5504.0, 5390.0, 5422.0, 5642.0, 5579.0, 5606.0, 5415.0, 5464.0, 5294.0, 5313.0, 5381.0, 5583.0, 5603.0, 5264.0, 5469.0, 5653.0, 5664.0, 5318.0, 5420.0, 5635.0, 5427.0, 5703.0, 5616.0, 5527.0, 5724.0, 5516.0, 5260.0, 5698.0, 5327.0, 5317.0, 5492.0, 5647.0, 5682.0, 5692.0, 5678.0, 5634.0, 5293.0, 5594.0, 5307.0, 5373.0, 5649.0, 5710.0, 5254.0, 5338.0, 5285.0, 5552.0, 5275.0 (number of hits: 3)
19	5500.0	9	1.0	333	1	5576.0, 5448.0, 5379.0, 5353.0, 5329.0, 5639.0, 5452.0, 5577.0, 5293.0, 5575.0, 5539.0, 5280.0, 5413.0, 5259.0, 5419.0, 5371.0, 5673.0, 5593.0, 5646.0, 5489.0, 5317.0, 5310.0, 5275.0, 5269.0, 5287.0, 5274.0, 5515.0, 5406.0, 5305.0, 5603.0, 5253.0, 5689.0,

						5480.0, 5543.0, 5307.0, 5265.0, 5346.0, 5640.0, 5583.0, 5599.0, 5486.0, 5494.0, 5722.0, 5433.0, 5412.0, 5604.0, 5263.0, 5345.0, 5443.0, 5585.0, 5445.0, 5557.0, 5285.0, 5549.0, 5625.0, 5251.0, 5647.0, 5589.0, 5342.0, 5561.0, 5370.0, 5548.0, 5477.0, 5472.0, 5299.0, 5544.0, 5678.0, 5536.0, 5417.0, 5308.0, 5546.0, 5301.0, 5500.0, 5677.0, 5398.0, 5672.0, 5315.0, 5359.0, 5309.0, 5545.0, 5405.0, 5541.0, 5459.0, 5395.0, 5623.0, 5423.0, 5291.0, 5360.0, 5351.0, 5714.0, 5409.0, 5318.0, 5643.0, 5611.0, 5408.0, 5551.0, 5605.0, 5367.0, 5685.0, 5503.0 (number of hits: 3)
20	5500.0	9	1.0	333	1	5538.0, 5372.0, 5617.0, 5661.0, 5414.0, 5401.0, 5633.0, 5371.0, 5602.0, 5646.0, 5566.0, 5652.0, 5573.0, 5488.0, 5595.0, 5352.0, 5345.0, 5431.0, 5385.0, 5452.0, 5505.0, 5504.0, 5483.0, 5560.0, 5709.0, 5440.0, 5424.0, 5468.0, 5325.0, 5608.0, 5324.0, 5590.0, 5691.0, 5298.0, 5591.0, 5426.0, 5258.0, 5346.0, 5455.0, 5389.0, 5678.0, 5541.0, 5438.0, 5654.0, 5350.0, 5526.0, 5645.0, 5644.0, 5386.0, 5640.0, 5632.0, 5457.0, 5257.0, 5708.0, 5252.0, 5416.0, 5529.0, 5545.0, 5496.0, 5379.0, 5466.0, 5444.0, 5280.0, 5441.0, 5313.0, 5404.0, 5491.0, 5597.0, 5618.0, 5432.0, 5364.0, 5458.0, 5576.0, 5655.0, 5343.0, 5570.0, 5375.0, 5623.0, 5603.0, 5718.0, 5583.0, 5312.0, 5377.0, 5301.0, 5689.0, 5657.0, 5693.0, 5363.0, 5422.0, 5673.0, 5606.0, 5517.0, 5290.0, 5405.0, 5369.0, 5359.0, 5610.0, 5376.0, 5330.0, 5700.0 (number of hits: 3)
21	5500.0	9	1.0	333	1	5689.0, 5382.0, 5532.0, 5437.0, 5667.0, 5535.0, 5477.0, 5299.0, 5448.0, 5422.0, 5537.0, 5311.0, 5622.0, 5525.0, 5454.0, 5274.0, 5648.0, 5619.0, 5355.0, 5272.0, 5344.0, 5722.0, 5363.0, 5581.0, 5554.0, 5606.0, 5407.0, 5517.0, 5521.0, 5392.0, 5522.0, 5717.0, 5395.0, 5369.0, 5485.0, 5452.0, 5671.0, 5378.0, 5358.0, 5557.0, 5455.0, 5456.0, 5544.0, 5577.0, 5296.0, 5589.0, 5266.0, 5432.0, 5503.0, 5438.0, 5343.0, 5367.0, 5681.0, 5487.0, 5488.0, 5295.0, 5584.0, 5473.0, 5349.0, 5665.0, 5656.0, 5504.0, 5507.0, 5331.0, 5319.0, 5514.0, 5724.0, 5566.0, 5643.0, 5673.0, 5612.0, 5551.0, 5633.0, 5670.0, 5451.0, 5315.0, 5706.0, 5640.0, 5647.0, 5490.0, 5350.0, 5618.0, 5508.0, 5460.0, 5536.0, 5354.0, 5304.0, 5627.0, 5663.0, 5321.0, 5585.0, 5579.0, 5654.0, 5572.0, 5360.0, 5528.0, 5256.0, 5692.0, 5683.0, 5492.0 (number of hits: 4)
22	5500.0	9	1.0	333	1	5552.0, 5576.0, 5510.0, 5606.0, 5302.0, 5305.0, 5397.0, 5595.0, 5276.0, 5381.0, 5263.0, 5673.0, 5559.0, 5431.0, 5723.0, 5473.0, 5695.0, 5630.0, 5422.0, 5418.0, 5471.0, 5515.0, 5679.0, 5566.0, 5450.0, 5661.0, 5479.0, 5616.0, 5364.0, 5564.0, 5530.0, 5291.0, 5441.0, 5638.0, 5408.0, 5256.0, 5391.0, 5318.0, 5557.0, 5406.0, 5366.0, 5312.0, 5443.0, 5438.0, 5580.0, 5502.0, 5470.0, 5592.0, 5252.0, 5693.0, 5283.0, 5512.0, 5415.0, 5336.0, 5459.0, 5410.0, 5273.0, 5627.0, 5644.0, 5696.0, 5387.0, 5517.0, 5665.0, 5486.0, 5368.0, 5413.0, 5303.0, 5676.0, 5709.0, 5688.0, 5713.0, 5326.0, 5435.0, 5597.0, 5599.0, 5537.0, 5581.0, 5355.0, 5698.0, 5363.0, 5603.0, 5332.0, 5568.0, 5373.0, 5329.0, 5586.0, 5352.0, 5532.0, 5519.0, 5356.0, 5285.0, 5257.0, 5719.0, 5575.0, 5614.0, 5528.0, 5634.0, 5494.0, 5463.0, 5432.0 (number of hits: 2)
23	5500.0	9	1.0	333	1	5314.0, 5524.0, 5446.0, 5343.0, 5572.0, 5325.0, 5493.0, 5510.0, 5357.0, 5464.0, 5432.0, 5568.0, 5676.0, 5587.0, 5502.0, 5429.0, 5393.0, 5608.0, 5625.0, 5509.0, 5405.0, 5570.0, 5259.0, 5511.0, 5513.0, 5379.0, 5685.0, 5699.0, 5256.0, 5553.0, 5309.0, 5653.0, 5465.0, 5507.0, 5637.0, 5377.0, 5430.0, 5536.0, 5451.0, 5488.0, 5399.0, 5347.0, 5540.0, 5575.0, 5440.0, 5401.0, 5319.0, 5410.0, 5544.0, 5423.0, 5661.0, 5266.0, 5629.0, 5700.0, 5688.0, 5515.0, 5322.0, 5535.0, 5630.0, 5428.0, 5453.0, 5668.0, 5385.0, 5382.0, 5648.0, 5638.0, 5262.0, 5370.0, 5369.0, 5261.0, 5427.0, 5679.0, 5409.0, 5339.0, 5660.0, 5388.0, 5710.0, 5610.0, 5613.0, 5311.0, 5709.0, 5267.0, 5547.0, 5695.0, 5268.0, 5411.0, 5585.0, 5421.0, 5657.0, 5531.0, 5441.0, 5494.0, 5604.0, 5518.0, 5485.0, 5501.0, 5650.0, 5367.0, 5315.0, 5714.0 (number of hits: 5)

24	5500.0	9	1.0	333	1	5374.0, 5700.0, 5314.0, 5598.0, 5653.0, 5534.0, 5270.0, 5296.0, 5542.0, 5440.0, 5573.0, 5510.0, 5481.0, 5590.0, 5493.0, 5427.0, 5393.0, 5537.0, 5356.0, 5280.0, 5585.0, 5721.0, 5520.0, 5444.0, 5341.0, 5288.0, 5402.0, 5411.0, 5488.0, 5665.0, 5405.0, 5498.0, 5338.0, 5250.0, 5450.0, 5662.0, 5468.0, 5567.0, 5343.0, 5285.0, 5448.0, 5460.0, 5570.0, 5384.0, 5612.0, 5375.0, 5706.0, 5683.0, 5572.0, 5442.0, 5284.0, 5600.0, 5472.0, 5435.0, 5386.0, 5566.0, 5432.0, 5383.0, 5265.0, 5701.0, 5714.0, 5547.0, 5463.0, 5348.0, 5430.0, 5333.0, 5516.0, 5622.0, 5624.0, 5602.0, 5458.0, 5328.0, 5564.0, 5623.0, 5539.0, 5698.0, 5477.0, 5276.0, 5424.0, 5654.0, 5588.0, 5359.0, 5278.0, 5319.0, 5669.0, 5557.0, 5642.0, 5425.0, 5512.0, 5628.0, 5346.0, 5369.0, 5455.0, 5471.0, 5306.0, 5412.0, 5649.0, 5295.0, 5380.0, 5344.0 (number of hits: 2)
25	5500.0	9	1.0	333	1	5503.0, 5641.0, 5308.0, 5377.0, 5649.0, 5693.0, 5399.0, 5685.0, 5498.0, 5640.0, 5525.0, 5689.0, 5590.0, 5544.0, 5361.0, 5281.0, 5397.0, 5625.0, 5477.0, 5310.0, 5306.0, 5547.0, 5523.0, 5710.0, 5580.0, 5698.0, 5430.0, 5524.0, 5500.0, 5615.0, 5556.0, 5435.0, 5379.0, 5290.0, 5393.0, 5490.0, 5465.0, 5332.0, 5343.0, 5643.0, 5701.0, 5391.0, 5382.0, 5423.0, 5320.0, 5628.0, 5597.0, 5650.0, 5407.0, 5466.0, 5614.0, 5339.0, 5661.0, 5311.0, 5711.0, 5501.0, 5479.0, 5493.0, 5575.0, 5254.0, 5602.0, 5405.0, 5609.0, 5653.0, 5267.0, 5543.0, 5654.0, 5713.0, 5470.0, 5408.0, 5496.0, 5422.0, 5623.0, 5256.0, 5318.0, 5415.0, 5552.0, 5272.0, 5514.0, 5363.0, 5453.0, 5706.0, 5475.0, 5473.0, 5527.0, 5663.0, 5440.0, 5659.0, 5261.0, 5528.0, 5541.0, 5446.0, 5558.0, 5687.0, 5350.0, 5388.0, 5658.0, 5583.0, 5540.0, 5715.0 (number of hits: 6)
26	5500.0	9	1.0	333	1	5402.0, 5648.0, 5255.0, 5277.0, 5596.0, 5506.0, 5706.0, 5594.0, 5421.0, 5526.0, 5535.0, 5399.0, 5676.0, 5362.0, 5665.0, 5349.0, 5513.0, 5287.0, 5703.0, 5545.0, 5536.0, 5657.0, 5689.0, 5556.0, 5259.0, 5551.0, 5505.0, 5294.0, 5523.0, 5509.0, 5414.0, 5614.0, 5330.0, 5622.0, 5400.0, 5368.0, 5662.0, 5552.0, 5481.0, 5392.0, 5401.0, 5283.0, 5586.0, 5497.0, 5361.0, 5311.0, 5692.0, 5511.0, 5700.0, 5411.0, 5394.0, 5427.0, 5542.0, 5339.0, 5275.0, 5593.0, 5631.0, 5673.0, 5723.0, 5519.0, 5408.0, 5470.0, 5456.0, 5638.0, 5616.0, 5654.0, 5607.0, 5565.0, 5407.0, 5412.0, 5369.0, 5363.0, 5697.0, 5663.0, 5455.0, 5426.0, 5333.0, 5720.0, 5508.0, 5639.0, 5375.0, 5276.0, 5442.0, 5647.0, 5430.0, 5494.0, 5291.0, 5613.0, 5587.0, 5457.0, 5563.0, 5355.0, 5558.0, 5712.0, 5472.0, 5507.0, 5452.0, 5588.0, 5520.0, 5385.0 (number of hits: 5)
27	5500.0	9	1.0	333	1	5457.0, 5542.0, 5316.0, 5663.0, 5686.0, 5268.0, 5311.0, 5645.0, 5471.0, 5398.0, 5599.0, 5692.0, 5456.0, 5709.0, 5412.0, 5573.0, 5659.0, 5325.0, 5620.0, 5554.0, 5365.0, 5551.0, 5356.0, 5430.0, 5625.0, 5266.0, 5485.0, 5559.0, 5604.0, 5364.0, 5397.0, 5634.0, 5623.0, 5588.0, 5653.0, 5666.0, 5703.0, 5459.0, 5319.0, 5368.0, 5490.0, 5310.0, 5419.0, 5322.0, 5273.0, 5346.0, 5476.0, 5407.0, 5288.0, 5640.0, 5495.0, 5258.0, 5379.0, 5608.0, 5259.0, 5528.0, 5570.0, 5425.0, 5424.0, 5613.0, 5502.0, 5650.0, 5672.0, 5252.0, 5636.0, 5693.0, 5466.0, 5631.0, 5557.0, 5612.0, 5278.0, 5320.0, 5605.0, 5399.0, 5584.0, 5479.0, 5699.0, 5606.0, 5291.0, 5421.0, 5691.0, 5292.0, 5546.0, 5303.0, 5654.0, 5589.0, 5370.0, 5296.0, 5473.0, 5304.0, 5422.0, 5712.0, 5614.0, 5539.0, 5262.0, 5561.0, 5293.0, 5277.0, 5633.0, 5644.0 (number of hits: 2)
28	5500.0	9	1.0	333	1	5645.0, 5676.0, 5467.0, 5590.0, 5367.0, 5340.0, 5601.0, 5270.0, 5442.0, 5376.0, 5583.0, 5515.0, 5652.0, 5382.0, 5653.0, 5539.0, 5513.0, 5431.0, 5635.0, 5272.0, 5350.0, 5557.0, 5683.0, 5569.0, 5631.0, 5456.0, 5492.0, 5290.0, 5563.0, 5254.0, 5354.0, 5256.0, 5480.0, 5551.0, 5568.0, 5657.0, 5666.0, 5455.0, 5418.0, 5695.0, 5440.0, 5718.0, 5722.0, 5384.0, 5669.0, 5508.0, 5280.0, 5702.0, 5478.0, 5691.0, 5579.0, 5368.0, 5262.0, 5426.0, 5360.0, 5525.0, 5469.0, 5661.0, 5416.0, 5610.0, 5703.0, 5516.0, 5504.0, 5715.0, 5604.0, 5292.0, 5311.0, 5545.0, 5371.0, 5251.0, 5264.0, 5667.0,

						5351.0, 5276.0, 5291.0, 5483.0, 5466.0, 5550.0, 5614.0, 5263.0, 5335.0, 5310.0, 5589.0, 5349.0, 5546.0, 5509.0, 5447.0, 5297.0, 5638.0, 5365.0, 5663.0, 5723.0, 5436.0, 5366.0, 5646.0, 5694.0, 5342.0, 5668.0, 5592.0, 5266.0 (number of hits: 2)
29	5500.0	9	1.0	333	1	5263.0, 5554.0, 5465.0, 5644.0, 5409.0, 5367.0, 5334.0, 5589.0, 5678.0, 5543.0, 5676.0, 5514.0, 5662.0, 5634.0, 5584.0, 5576.0, 5384.0, 5633.0, 5620.0, 5516.0, 5337.0, 5566.0, 5562.0, 5446.0, 5690.0, 5660.0, 5720.0, 5283.0, 5517.0, 5430.0, 5437.0, 5654.0, 5333.0, 5259.0, 5296.0, 5553.0, 5503.0, 5657.0, 5328.0, 5450.0, 5492.0, 5702.0, 5546.0, 5541.0, 5531.0, 5355.0, 5270.0, 5457.0, 5408.0, 5684.0, 5324.0, 5550.0, 5619.0, 5420.0, 5482.0, 5605.0, 5426.0, 5677.0, 5502.0, 5331.0, 5440.0, 5667.0, 5513.0, 5477.0, 5663.0, 5307.0, 5675.0, 5567.0, 5478.0, 5629.0, 5649.0, 5665.0, 5582.0, 5431.0, 5664.0, 5372.0, 5261.0, 5438.0, 5521.0, 5343.0, 5625.0, 5480.0, 5319.0, 5376.0, 5467.0, 5704.0, 5323.0, 5445.0, 5433.0, 5451.0, 5399.0, 5528.0, 5466.0, 5424.0, 5612.0, 5621.0, 5285.0, 5708.0, 5269.0, 5646.0 (number of hits: 3)
30	5500.0	9	1.0	333	1	5624.0, 5712.0, 5526.0, 5393.0, 5537.0, 5394.0, 5259.0, 5395.0, 5271.0, 5562.0, 5357.0, 5307.0, 5343.0, 5337.0, 5483.0, 5560.0, 5664.0, 5554.0, 5287.0, 5380.0, 5617.0, 5575.0, 5686.0, 5555.0, 5373.0, 5651.0, 5263.0, 5270.0, 5342.0, 5508.0, 5340.0, 5304.0, 5629.0, 5636.0, 5277.0, 5606.0, 5657.0, 5640.0, 5679.0, 5663.0, 5580.0, 5375.0, 5519.0, 5255.0, 5613.0, 5253.0, 5377.0, 5488.0, 5542.0, 5582.0, 5450.0, 5374.0, 5538.0, 5383.0, 5445.0, 5546.0, 5632.0, 5362.0, 5593.0, 5371.0, 5331.0, 5474.0, 5295.0, 5711.0, 5569.0, 5563.0, 5637.0, 5338.0, 5622.0, 5411.0, 5279.0, 5290.0, 5576.0, 5701.0, 5567.0, 5691.0, 5305.0, 5272.0, 5536.0, 5420.0, 5366.0, 5682.0, 5464.0, 5539.0, 5719.0, 5723.0, 5405.0, 5695.0, 5425.0, 5399.0, 5350.0, 5389.0, 5446.0, 5633.0, 5424.0, 5591.0, 5599.0, 5412.0, 5543.0, 5498.0 (number of hits: 1)

P2MP Client Mode
Pine Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	80 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	84.2 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	62	1.0	858	1
2	67	1.0	798	1
3	95	1.0	558	1
4	99	1.0	538	1
5	92	1.0	578	1
6	86	1.0	618	0
7	57	1.0	938	1
8	89	1.0	598	0
9	65	1.0	818	1
10	68	1.0	778	1
11	70	1.0	758	1
12	59	1.0	898	1
13	78	1.0	678	1
14	102	1.0	518	1
15	76	1.0	698	1
16	27	1.0	1995	1
17	36	1.0	1497	1
18	19	1.0	2819	1
19	32	1.0	1702	1
20	56	1.0	953	1
21	19	1.0	2870	1
22	25	1.0	2179	1
23	53	1.0	996	1
24	75	1.0	705	1
25	39	1.0	1362	1
26	23	1.0	2306	1
27	31	1.0	1755	1
28	37	1.0	1460	1
29	31	1.0	1727	1
30	23	1.0	2370	1
Detection Percentage: 93.3 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	23	1.4	171	1
2	28	1.0	194	1
3	29	1.2	178	1
4	27	1.5	170	1
5	25	1.8	178	1
6	26	3.8	220	1
7	23	2.2	182	0
8	28	3.3	189	1
9	27	4.2	164	1
10	26	2.7	154	1
11	28	2.8	150	1
12	24	2.6	156	0
13	25	3.0	187	1
14	29	4.0	194	1
15	28	3.6	153	0
16	25	2.5	202	1
17	28	3.0	182	1
18	24	1.5	193	1
19	28	1.3	158	1
20	27	1.4	177	1
21	29	1.8	201	1
22	25	1.4	189	1
23	23	3.2	167	1
24	27	2.4	223	0
25	29	2.7	207	1
26	26	3.4	223	1
27	28	4.0	153	1
28	27	2.0	218	1
29	29	2.7	168	1
30	24	3.1	170	0
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	7.2	439	1
2	17	6.9	207	0
3	17	6.9	239	0
4	17	9.7	420	1
5	18	7.1	300	1
6	17	9.2	205	1
7	16	7.8	348	1
8	17	7.3	388	1
9	16	6.3	423	0
10	16	7.9	242	1
11	16	9.5	432	1
12	17	6.1	411	1
13	18	9.6	498	1
14	16	7.8	446	0
15	17	8.4	311	1
16	18	9.8	403	1
17	17	6.8	272	1
18	18	8.3	466	1
19	17	6.5	373	1
20	18	6.0	428	1
21	16	7.4	340	1
22	18	6.5	417	1
23	17	8.1	439	1
24	16	7.8	334	1
25	18	8.5	323	0
26	17	8.3	322	0
27	18	6.0	249	1
28	16	10.0	414	1
29	18	6.2	442	1
30	16	9.8	393	1
Detection Percentage: 80 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	12.7	319	1
2	14	17.5	278	0
3	12	19.7	242	1
4	13	16.1	228	1
5	16	17.8	325	1
6	12	13.9	218	1
7	16	16.9	492	1
8	15	19.0	481	1
9	13	20.0	429	0
10	13	15.7	383	1
11	14	13.3	428	1
12	13	18.8	278	1
13	16	14.3	267	1
14	15	15.4	349	1
15	15	17.2	407	0
16	15	15.2	426	1
17	14	17.3	298	0
18	15	13.1	463	1
19	14	19.1	339	1
20	15	14.7	264	0
21	15	18.7	362	1
22	16	17.0	219	1
23	14	16.8	428	1
24	16	19.3	276	0
25	16	13.5	389	1
26	16	18.4	355	1
27	14	15.3	452	1
28	14	13.3	383	1
29	15	13.4	314	1
30	16	11.3	491	1
Detection Percentage: 80 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5495.5	1
12	5493.9	1
13	5494.7	1
14	5495.9	1
15	5498.7	1
16	5498.7	1
17	5499.1	1
18	5497.5	1
19	5495.5	1
20	5495.5	1
21	5526.1	1
22	5521.7	1
23	5522.9	1
24	5522.1	1
25	5525.3	1
26	5525.3	1
27	5522.9	1
28	5520.9	1
29	5524.1	1
30	5525.7	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	6	56.3	1298		0.322801	1
1	2	6	50.4	1003		1.339320	
2	1	6	88.9			1.783851	
3	1	6	85.8			2.814273	
4	1	6	91.6			3.282727	
5	3	6	90.8	1132	1301	4.353572	
6	1	6	75.8			4.658625	
7	2	6	52.7	1759		5.562834	
8	2	6	80.8	1376		6.047643	
9	2	6	80.1	1321		6.965223	
10	2	6	65.6	1225		7.684411	
11	2	6	54.5	1901		8.940891	
12	3	6	89.9	1071	1240	9.414787	
13	2	6	89.8	1986		10.059122	
14	2	6	50.3	1590		10.888904	
15	2	6	50.9	1182		11.952156	

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	53.6	1504		0.055911	1
1	2	10	93.5	1214		1.693339	
2	1	10	87.5			2.129896	
3	2	10	93.4	1407		3.397688	
4	2	10	99.0	1844		4.100806	
5	2	10	88.3	1192		4.679459	
6	3	10	63.1	1370	1009	5.981367	
7	1	10	92.0			7.320703	
8	2	10	96.1	1645		7.524079	
9	1	10	51.1			9.133789	
10	2	10	57.4	1495		9.745499	
11	3	10	71.4	1058	1950	10.488884	
12	1	10	82.6			11.118411	

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	54.7	1024		0.221506	1
1	1	7	60.9			1.205109	
2	3	7	97.9	1993	1639	1.797202	
3	3	7	54.9	1682	1703	2.746603	
4	3	7	64.1	1428	1431	3.095493	
5	2	7	90.9	1199		3.831716	
6	3	7	96.6	1287	1336	4.840097	
7	3	7	76.7	1645	1433	5.623057	
8	2	7	88.1	1444		6.575120	
9	2	7	92.8	1137		7.139714	
10	3	7	99.7	1301	1055	7.774805	
11	1	7	61.3			8.457961	
12	2	7	77.0	1394		9.659967	
13	3	7	53.5	1742	1694	9.761641	
14	2	7	62.4	1025		11.204406	
15	3	7	96.9	1060	1052	11.708147	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	72.3			0.827873	1
1	2	13	92.5	1574		1.061109	
2	2	13	92.7	1211		2.459681	
3	2	13	63.1	1466		3.531634	
4	2	13	81.9	1244		4.265771	
5	2	13	57.1	1371		4.835285	
6	1	13	55.6			6.002525	
7	3	13	56.8	1097	1367	7.203559	
8	3	13	65.0	1074	1241	8.176105	
9	2	13	54.3	1836		8.810270	
10	2	13	55.7	1260		9.745237	
11	2	13	90.6	1904		10.623848	
12	3	13	83.3	1636	1414	11.919369	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	13	59.8			0.285074	1
1	1	13	97.1			1.962808	
2	2	13	84.1	1377		3.445628	
3	2	13	57.8	1464		5.089850	
4	2	13	80.4	1963		6.623153	
5	2	13	74.2	1923		8.072061	
6	2	13	53.6	1449		9.841611	
7	2	13	76.0	1085		11.630425	

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	81.0	1648	1499	0.852754	1
1	3	7	65.3	1432	1072	1.756791	
2	3	7	78.0	1031	1577	2.769898	
3	1	7	54.0			3.283627	
4	2	7	69.0	1703		4.157007	
5	2	7	67.2	1206		5.578203	
6	1	7	79.2			6.228926	
7	3	7	55.7	1625	1058	7.762834	
8	2	7	60.2	1986		8.354986	
9	1	7	56.4			9.033045	
10	1	7	67.5			10.434138	
11	1	7	59.2			11.525774	

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	9	57.7	1105	1258	0.989517	1
1	2	9	73.2	1739		1.417198	
2	2	9	78.2	1982		2.270996	
3	2	9	84.3	1344		3.880899	
4	2	9	90.2	1677		4.691827	
5	3	9	67.1	1738	1717	5.146814	
6	2	9	84.0	1007		6.938225	
7	3	9	82.9	1696	1080	7.007175	
8	3	9	68.3	1888	1912	8.934499	
9	2	9	76.8	1488		9.299026	
10	2	9	68.6	1085		10.831084	
11	1	9	67.7			11.049358	

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	92.0	1515		1.113940	1
1	3	8	74.7	1542	1764	1.899587	
2	3	8	91.0	1046	1877	3.958192	
3	2	8	89.6	1815		5.015788	
4	2	8	94.0	1946		6.475165	
5	2	8	70.1	1789		8.993831	
6	1	8	87.3			9.603486	
7	2	8	83.2	1863		11.167928	

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	11	52.0	1797		0.888603	1
1	2	11	97.6	1300		2.103733	
2	2	11	75.0	1909		3.173485	
3	2	11	70.6	1716		4.110626	
4	3	11	58.1	1321	1119	5.318725	
5	1	11	82.8			6.413465	
6	1	11	76.0			7.389985	
7	2	11	52.5	1199		9.189735	
8	3	11	85.0	1831	1343	10.429321	
9	3	11	72.4	1404	1880	11.437156	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	81.3			0.628295	1
1	2	14	61.6	1342		1.273884	
2	2	14	93.5	1576		1.991382	
3	1	14	58.3			3.402494	
4	2	14	80.2	1724		4.214119	
5	3	14	80.0	1498	1956	5.063390	
6	1	14	76.7			5.792589	
7	3	14	78.1	1948	1384	6.517970	
8	2	14	81.5	1743		6.964808	
9	1	14	88.0			8.266337	
10	2	14	63.0	1170		8.694720	
11	2	14	98.8	1959		9.968181	
12	3	14	63.9	1432	1311	10.611545	
13	2	14	59.5	1194		11.892982	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	99.8			0.555998	
1	1	10	55.2			0.824434	
2	3	10	78.2	1383	1979	2.294294	
3	3	10	94.4	1549	1648	2.447700	
4	1	10	80.6			3.225839	
5	3	10	89.5	1469	1839	4.259782	
6	2	10	63.6	1714		5.087745	
7	2	10	56.0	1612		6.026829	1
8	2	10	67.9	1133		6.707512	
9	2	10	85.7	1428		7.453753	
10	1	10	74.8			8.278404	
11	1	10	61.0			9.129605	
12	1	10	77.5			9.858036	
13	3	10	50.7	1295	1570	11.024760	
14	2	10	55.1	1813		11.213156	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	55.2			0.078135	
1	1	6	90.0			1.224565	
2	3	6	66.8	1353	1457	1.782370	
3	3	6	72.5	1633	1884	2.321874	
4	2	6	62.7	1385		2.958910	
5	2	6	53.2	1818		3.469867	
6	2	6	98.4	1517		3.890704	
7	2	6	94.4	1031		4.542553	
8	2	6	60.2	1671		5.140769	
9	2	6	93.8	1309		5.852201	1
10	3	6	89.2	1090	1980	6.692798	
11	2	6	51.8	1644		7.047771	
12	1	6	56.4			8.173006	
13	2	6	76.4	1765		8.379792	
14	2	6	88.9	1894		8.960280	
15	1	6	99.7			10.090961	
16	3	6	89.5	1788	1911	10.280427	
17	2	6	90.9	1540		11.024169	
18	2	6	53.8	1181		11.416798	

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	8	96.8	1980		0.053438	1
1	2	8	55.3	1122		0.744513	
2	2	8	64.7	1917		1.313347	
3	1	8	58.1			1.985139	
4	2	8	71.7	1560		2.773308	
5	3	8	81.9	1180	1363	3.152108	
6	3	8	50.8	1126	1687	3.846013	
7	3	8	92.7	1851	1671	4.499881	
8	1	8	61.0			5.189143	
9	1	8	98.4			5.599471	
10	1	8	83.4			6.130469	
11	2	8	89.0	1362		6.862935	
12	2	8	88.7	1400		7.490267	
13	1	8	61.5			8.303627	
14	3	8	76.2	1826	1743	8.524304	
15	3	8	63.0	1294	1802	9.560659	
16	3	8	66.2	1228	1921	9.866607	
17	2	8	69.2	1622		10.309904	
18	2	8	81.5	1572		10.986675	
19	2	8	78.3	1597		11.523736	

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	11	64.6	1117		1.370390	1
1	2	11	88.9	1436		2.705593	
2	2	11	99.4	1196		4.057375	
3	2	11	87.1	1379		5.012897	
4	2	11	58.7	1939		7.013459	
5	2	11	53.0	1368		8.614914	
6	2	11	77.0	1651		9.575179	
7	2	11	60.6	1025		11.313339	

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	18	71.6	1738	1856	0.459581	1
1	2	18	87.9	1312		1.070115	
2	3	18	66.3	1451	1935	1.436423	
3	3	18	58.6	1033	1273	2.554921	
4	1	18	58.2			3.056701	
5	2	18	78.8	1862		3.910716	
6	2	18	68.6	1560		4.089136	
7	3	18	63.4	1846	1256	4.875569	
8	2	18	55.3	1305		5.962506	
9	2	18	84.1	1875		6.148069	
10	3	18	59.4	1713	1893	7.308646	
11	2	18	70.9	1253		7.884071	
12	2	18	89.3	1572		8.512774	
13	2	18	78.6	1493		9.162531	
14	3	18	67.6	1624	1335	9.486271	
15	2	18	87.8	1643		10.144680	
16	2	18	62.4	1430		11.316007	
17	2	18	91.0	1581		11.430067	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	80.1			0.343949	1
1	1	18	62.0			1.217050	
2	2	18	95.1	1762		1.728659	
3	2	18	93.2	1257		2.490386	
4	1	18	91.7			3.357542	
5	1	18	79.4			4.035092	
6	2	18	96.4	1640		4.761436	
7	2	18	68.5	1019		5.536747	
8	1	18	97.7			6.388316	
9	2	18	63.3	1475		7.047027	
10	3	18	80.4	1816	1480	7.521877	
11	2	18	78.2	1647		8.583870	
12	2	18	75.0	1129		9.165400	
13	1	18	64.1			9.791469	
14	3	18	74.2	1466	1435	10.739992	
15	2	18	77.8	1758		11.604341	

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	19	58.7	1275		0.673081	1
1	1	19	75.5			0.944106	
2	2	19	74.6	1884		1.565222	
3	3	19	86.2	1635	1106	2.334593	
4	1	19	92.6			3.027862	
5	1	19	68.0			4.324669	
6	1	19	94.7			4.585423	
7	2	19	98.1	1471		5.816858	
8	2	19	97.8	1417		6.017448	
9	1	19	82.6			6.981777	
10	3	19	83.3	1380	1935	8.146084	
11	2	19	75.7	1620		8.434664	
12	3	19	74.9	1302	1209	9.586286	
13	2	19	65.5	1913		9.817850	
14	1	19	83.2			10.546617	
15	2	19	69.6	1804		11.527663	

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	15	68.7	1284		0.256554	1
1	3	15	53.2	1994	1056	1.478202	
2	2	15	92.9	1930		1.669400	
3	1	15	74.4			2.402219	
4	2	15	75.7	1177		3.202866	
5	2	15	89.7	1097		4.467171	
6	1	15	77.2			4.876682	
7	2	15	74.9	1679		5.291408	
8	2	15	82.2	1012		6.087078	
9	2	15	91.8	1479		7.054571	
10	1	15	50.0			7.772596	
11	2	15	51.5	1401		8.621091	
12	3	15	60.1	1005	1969	9.475898	
13	1	15	88.5			10.366113	
14	2	15	85.1	1290		10.797538	
15	1	15	53.7			11.374177	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	97.4			0.163855	1
1	1	10	90.4			1.329684	
2	2	10	56.2	1064		1.793560	
3	2	10	67.8	1706		3.011927	
4	3	10	54.3	1846	1852	4.259065	
5	3	10	89.2	1336	1523	4.471574	
6	3	10	53.6	1759	1078	5.652281	
7	3	10	91.9	1922	1450	6.173305	
8	3	10	80.4	1171	1008	7.475924	
9	2	10	71.3	1236		7.825096	
10	3	10	92.1	1706	1008	9.171419	
11	2	10	78.3	1887		9.454791	
12	1	10	59.7			10.904952	
13	1	10	50.7			11.834344	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	10	82.9	1436	1392	0.700241	1
1	2	10	75.2	1654		0.999305	
2	2	10	53.3	1603		1.689943	
3	2	10	58.7	1599		2.997181	
4	3	10	74.1	1695	1262	3.322271	
5	2	10	79.7	1568		4.565457	
6	2	10	62.6	1923		5.128987	
7	3	10	89.2	1381	1252	6.047790	
8	3	10	90.1	1930	1019	7.000515	
9	1	10	67.3			7.231205	
10	2	10	70.5	1629		8.120061	
11	1	10	77.1			9.168943	
12	2	10	96.0	1352		9.894875	
13	1	10	87.0			11.043396	
14	3	10	73.6	1492	1255	11.294640	

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	6	88.6			0.092284	
1	3	6	70.0	1900	1846	1.195063	
2	3	6	73.6	1137	1871	1.519789	
3	2	6	62.8	1948		2.239240	
4	3	6	68.1	1851	1051	2.949563	
5	3	6	90.2	1177	1621	3.238556	
6	3	6	89.3	1736	1768	4.132552	
7	2	6	62.2	1269		4.951864	
8	2	6	86.5	1635		5.548263	
9	2	6	76.3	1689		6.077865	1
10	2	6	58.9	1897		6.744611	
11	2	6	75.8	1557		7.026651	
12	1	6	59.4			8.062606	
13	1	6	85.0			8.345283	
14	3	6	51.7	1545	1986	8.916514	
15	3	6	83.0	1199	1867	9.981208	
16	1	6	79.4			10.226603	
17	3	6	72.3	1855	1520	10.888042	
18	3	6	54.2	1765	1422	11.447820	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	91.5	1172		0.178703	1
1	2	17	81.9	1088		1.289748	
2	1	17	50.3			1.533698	
3	3	17	50.8	1126	1837	2.607102	
4	2	17	57.7	1555		3.158062	
5	3	17	56.5	1262	1038	3.603469	
6	2	17	92.0	1469		4.116432	
7	1	17	93.5			5.307555	
8	2	17	72.7	1311		5.904911	
9	1	17	73.3			6.434763	
10	1	17	72.9			6.908579	
11	3	17	91.6	1505	1381	7.738408	
12	3	17	78.9	1688	1106	8.306292	
13	3	17	69.8	1323	1931	9.077190	
14	3	17	86.3	1785	1751	9.730953	
15	3	17	93.0	1742	1559	10.371297	
16	2	17	77.8	1022		11.057894	
17	3	17	88.5	1315	1600	11.722836	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	61.6	1891	1815	0.484186	
1	1	14	59.1			2.108969	
2	2	14	93.2	1340		3.469991	
3	2	14	65.8	1205		4.164275	
4	3	14	77.5	1353	1259	5.903967	1
5	1	14	52.6			6.746007	
6	1	14	55.4			8.272597	
7	2	14	91.7	1967		9.967869	
8	2	14	85.6	1734		11.558936	

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	16	51.8			0.583631	
1	1	16	73.0			1.091445	
2	1	16	74.9			2.582677	
3	2	16	51.4	1306		3.093755	
4	3	16	81.1	1920	1452	4.590663	
5	3	16	75.3	1828	1403	4.811962	
6	2	16	63.4	1454		5.872343	1
7	1	16	76.7			6.696766	
8	2	16	74.5	1859		7.752012	
9	1	16	63.2			8.908543	
10	2	16	93.1	1498		9.871694	
11	2	16	98.5	1522		10.246310	
12	2	16	72.1	1656		11.465392	

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	8	98.0			0.552075	1
1	1	8	82.7			0.788177	
2	2	8	96.0	1881		1.432282	
3	2	8	99.3	1535		2.316484	
4	1	8	79.3			2.929620	
5	1	8	60.2			3.167296	
6	2	8	55.4	1308		4.181131	
7	1	8	66.1			4.635922	
8	2	8	51.8	1779		5.392009	
9	2	8	64.0	1925		5.810321	
10	1	8	75.5			6.071898	
11	2	8	78.3	1779		6.720449	
12	1	8	81.3			7.793998	
13	3	8	77.9	1510	1600	8.234917	
14	2	8	65.2	1223		8.928960	
15	1	8	59.1			9.274254	
16	2	8	71.4	1867		9.814497	
17	1	8	95.9			10.469524	
18	2	8	81.6	1890		11.308648	
19	2	8	88.5	1953		11.499435	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	63.2	1942		0.494583	1
1	2	8	92.4	1301		1.948329	
2	1	8	64.4			2.439695	
3	2	8	64.2	1131		3.216281	
4	2	8	83.5	1534		4.107863	
5	3	8	88.4	1793	1347	5.625026	
6	3	8	98.3	1898	1362	6.674716	
7	2	8	87.1	1002		7.132066	
8	2	8	62.2	1969		8.608594	
9	3	8	57.2	1233	1328	9.363808	
10	1	8	55.3			10.434199	
11	2	8	82.7	1391		11.290165	

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	14	76.7	1749	1600	0.112856	1
1	3	14	71.4	1004	1120	1.387207	
2	1	14	73.5			2.436633	
3	2	14	84.4	1876		2.626083	
4	2	14	79.8	1779		4.067864	
5	1	14	85.8			4.945689	
6	2	14	75.4	1482		5.204834	
7	2	14	90.8	1357		6.099252	
8	3	14	87.9	1314	1592	7.010947	
9	2	14	83.5	1970		8.382908	
10	3	14	85.9	1107	1523	8.666459	
11	1	14	67.1			9.671299	
12	2	14	78.3	1848		10.341178	
13	1	14	57.4			11.297586	

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	19	67.5	1711		0.137135	1
1	3	19	92.7	1997	1849	1.463700	
2	2	19	72.2	1113		1.951626	
3	1	19	91.4			2.952379	
4	3	19	98.7	1913	1920	3.459993	
5	1	19	52.4			4.657183	
6	2	19	94.1	1712		5.921466	
7	3	19	67.0	1815	1127	6.462912	
8	2	19	93.2	1163		7.206925	
9	1	19	69.9			8.359747	
10	1	19	74.7			9.348565	
11	2	19	96.1	1339		9.975502	
12	2	19	61.3	1154		10.413833	
13	3	19	96.3	1995	1284	11.764115	

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	95.2	1909		0.828074	1
1	2	11	94.0	1679		1.752484	
2	2	11	79.6	1207		2.853380	
3	2	11	60.2	1787		3.610710	
4	2	11	65.9	1586		4.519403	
5	1	11	94.2			6.087089	
6	2	11	97.1	1145		7.231793	
7	2	11	93.5	1014		8.574476	
8	1	11	61.5			9.264408	
9	2	11	52.5	1435		10.669068	
10	2	11	97.2	1007		11.132654	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	7	87.8	1011	1822	0.300077	
1	3	7	58.5	1114	1922	1.112488	
2	2	7	62.4	1957		1.547188	
3	1	7	93.8			2.007007	
4	3	7	51.0	1300	1741	3.081664	
5	1	7	86.3			3.372667	
6	2	7	90.9	1412		4.238329	
7	1	7	99.0			4.895089	
8	3	7	60.5	1889	1345	5.397635	
9	1	7	73.6			6.156046	1
10	2	7	86.3	1894		6.730175	
11	2	7	77.8	1127		7.297752	
12	3	7	55.3	1903	1223	7.921695	
13	3	7	95.3	1578	1844	8.302288	
14	2	7	68.6	1293		8.867829	
15	3	7	85.0	1594	1392	9.964543	
16	2	7	89.0	1078		10.562535	
17	2	7	59.0	1649		11.156790	
18	3	7	65.3	1327	1367	11.613704	

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	5720.0, 5526.0, 5565.0, 5660.0, 5627.0, 5294.0, 5537.0, 5319.0, 5680.0, 5451.0, 5513.0, 5675.0, 5661.0, 5603.0, 5445.0, 5500.0, 5548.0, 5624.0, 5298.0, 5646.0, 5483.0, 5615.0, 5586.0, 5405.0, 5424.0, 5271.0, 5684.0, 5418.0, 5700.0, 5464.0, 5694.0, 5490.0, 5306.0, 5648.0, 5657.0, 5255.0, 5459.0, 5613.0, 5332.0, 5432.0, 5390.0, 5578.0, 5519.0, 5387.0, 5632.0, 5579.0, 5689.0, 5491.0, 5587.0, 5639.0, 5369.0, 5712.0, 5302.0, 5457.0, 5388.0, 5510.0, 5462.0, 5384.0, 5399.0, 5301.0, 5285.0, 5583.0, 5356.0, 5364.0, 5677.0, 5426.0, 5336.0, 5480.0, 5267.0, 5536.0, 5406.0, 5696.0, 5447.0, 5472.0, 5666.0, 5569.0, 5373.0, 5289.0, 5291.0, 5440.0, 5535.0, 5650.0, 5707.0, 5528.0, 5656.0, 5273.0, 5252.0, 5649.0, 5516.0, 5634.0, 5415.0, 5511.0, 5419.0, 5382.0, 5557.0, 5596.0, 5429.0, 5568.0, 5389.0, 5590.0 (number of hits: 4)
2	5510.0	9	1.0	333	1	5492.0, 5387.0, 5484.0, 5557.0, 5561.0, 5337.0, 5546.0, 5519.0, 5626.0, 5312.0, 5333.0, 5356.0, 5639.0, 5576.0, 5271.0, 5270.0, 5596.0, 5597.0, 5713.0, 5565.0, 5555.0, 5454.0, 5630.0, 5401.0, 5664.0, 5563.0, 5480.0, 5716.0, 5439.0, 5409.0, 5715.0, 5573.0, 5645.0, 5375.0, 5442.0, 5414.0, 5609.0, 5524.0, 5527.0, 5350.0, 5658.0, 5675.0, 5584.0, 5281.0, 5627.0, 5518.0, 5643.0, 5293.0, 5324.0, 5678.0, 5386.0, 5362.0, 5265.0, 5613.0, 5485.0, 5511.0, 5657.0, 5473.0, 5677.0, 5276.0, 5633.0, 5526.0, 5286.0, 5323.0, 5500.0, 5589.0, 5685.0, 5679.0, 5344.0, 5430.0, 5267.0, 5569.0, 5667.0, 5255.0, 5672.0, 5661.0, 5266.0, 5371.0, 5702.0, 5496.0, 5319.0, 5683.0, 5268.0, 5450.0, 5650.0, 5321.0, 5517.0, 5471.0, 5452.0, 5279.0, 5256.0, 5340.0, 5456.0, 5686.0, 5297.0, 5292.0, 5549.0, 5614.0, 5489.0, 5421.0 (number of hits: 2)
3	5510.0	9	1.0	333	1	5324.0, 5368.0, 5650.0, 5600.0, 5476.0, 5662.0, 5534.0, 5459.0, 5601.0, 5633.0, 5580.0, 5540.0, 5461.0, 5327.0, 5671.0, 5425.0, 5441.0, 5631.0, 5348.0, 5695.0, 5273.0, 5341.0, 5678.0, 5356.0, 5604.0, 5328.0, 5525.0, 5661.0, 5487.0, 5608.0, 5297.0, 5537.0, 5628.0, 5331.0, 5309.0, 5656.0, 5521.0, 5493.0, 5538.0, 5340.0, 5455.0, 5344.0, 5547.0, 5352.0, 5526.0, 5372.0, 5351.0, 5673.0, 5556.0, 5706.0, 5717.0, 5616.0, 5623.0, 5288.0, 5480.0, 5660.0, 5581.0, 5599.0, 5663.0, 5401.0, 5567.0, 5304.0, 5490.0, 5270.0, 5510.0, 5562.0, 5613.0, 5561.0, 5589.0, 5697.0, 5424.0, 5432.0, 5287.0, 5696.0, 5300.0, 5315.0, 5440.0, 5338.0, 5565.0, 5263.0, 5552.0, 5290.0, 5597.0, 5568.0, 5533.0, 5674.0, 5453.0, 5692.0, 5720.0, 5514.0, 5280.0, 5643.0, 5667.0, 5443.0, 5408.0, 5560.0, 5456.0, 5320.0, 5689.0, 5677.0 (number of hits: 2)
4	5510.0	9	1.0	333	1	5402.0, 5468.0, 5666.0, 5474.0, 5697.0, 5557.0, 5650.0, 5539.0, 5435.0, 5321.0, 5644.0, 5628.0, 5406.0, 5507.0, 5329.0, 5284.0, 5617.0, 5598.0, 5469.0, 5395.0, 5520.0, 5716.0, 5702.0, 5626.0, 5490.0, 5269.0, 5611.0, 5436.0, 5602.0, 5680.0, 5315.0, 5622.0, 5542.0, 5545.0, 5503.0, 5368.0, 5293.0, 5564.0, 5268.0, 5497.0, 5707.0, 5274.0, 5643.0, 5372.0, 5303.0, 5357.0, 5585.0, 5410.0, 5541.0, 5703.0, 5415.0, 5452.0, 5499.0, 5334.0, 5624.0, 5299.0, 5607.0, 5318.0, 5337.0, 5344.0, 5639.0, 5445.0, 5663.0, 5553.0, 5414.0, 5450.0, 5649.0, 5723.0, 5460.0, 5314.0, 5325.0, 5281.0, 5708.0, 5711.0, 5651.0, 5698.0, 5550.0, 5250.0, 5658.0, 5416.0, 5714.0, 5409.0, 5258.0, 5591.0, 5506.0, 5493.0, 5285.0, 5675.0, 5586.0, 5484.0, 5657.0, 5411.0, 5455.0, 5283.0, 5264.0, 5559.0, 5482.0, 5572.0, 5477.0, 5430.0 (number of hits: 3)
5	5510.0	9	1.0	333	1	5469.0, 5278.0, 5500.0, 5421.0, 5396.0, 5315.0, 5260.0, 5363.0, 5541.0, 5692.0, 5318.0, 5610.0, 5577.0, 5298.0, 5296.0, 5499.0, 5287.0, 5337.0, 5709.0, 5509.0, 5465.0, 5356.0, 5327.0, 5490.0,

						5591.0, 5722.0, 5612.0, 5702.0, 5489.0, 5426.0, 5326.0, 5663.0, 5263.0, 5377.0, 5618.0, 5520.0, 5386.0, 5527.0, 5700.0, 5292.0, 5531.0, 5271.0, 5266.0, 5355.0, 5435.0, 5272.0, 5483.0, 5275.0, 5662.0, 5420.0, 5647.0, 5659.0, 5559.0, 5670.0, 5588.0, 5645.0, 5630.0, 5288.0, 5389.0, 5464.0, 5648.0, 5572.0, 5715.0, 5443.0, 5411.0, 5671.0, 5535.0, 5613.0, 5563.0, 5259.0, 5358.0, 5552.0, 5686.0, 5406.0, 5705.0, 5322.0, 5505.0, 5344.0, 5649.0, 5525.0, 5369.0, 5461.0, 5574.0, 5611.0, 5468.0, 5530.0, 5699.0, 5422.0, 5532.0, 5432.0, 5669.0, 5634.0, 5303.0, 5297.0, 5717.0, 5453.0, 5397.0, 5273.0, 5593.0, 5387.0 (number of hits: 2)
6	5510.0	9	1.0	333	1	5436.0, 5549.0, 5456.0, 5275.0, 5295.0, 5297.0, 5439.0, 5270.0, 5253.0, 5377.0, 5262.0, 5445.0, 5483.0, 5611.0, 5520.0, 5449.0, 5677.0, 5533.0, 5277.0, 5577.0, 5508.0, 5319.0, 5676.0, 5627.0, 5707.0, 5430.0, 5636.0, 5658.0, 5692.0, 5285.0, 5345.0, 5440.0, 5575.0, 5424.0, 5695.0, 5280.0, 5470.0, 5516.0, 5625.0, 5615.0, 5573.0, 5669.0, 5640.0, 5391.0, 5518.0, 5316.0, 5265.0, 5263.0, 5334.0, 5579.0, 5681.0, 5450.0, 5713.0, 5409.0, 5312.0, 5278.0, 5332.0, 5558.0, 5333.0, 5535.0, 5604.0, 5708.0, 5390.0, 5694.0, 5274.0, 5532.0, 5637.0, 5663.0, 5595.0, 5361.0, 5705.0, 5478.0, 5288.0, 5373.0, 5510.0, 5587.0, 5251.0, 5349.0, 5406.0, 5454.0, 5665.0, 5321.0, 5394.0, 5352.0, 5618.0, 5282.0, 5305.0, 5622.0, 5565.0, 5514.0, 5581.0, 5718.0, 5403.0, 5646.0, 5286.0, 5670.0, 5591.0, 5461.0, 5462.0, 5404.0 (number of hits: 4)
7	5510.0	9	1.0	333	1	5313.0, 5721.0, 5654.0, 5498.0, 5492.0, 5323.0, 5597.0, 5659.0, 5388.0, 5676.0, 5605.0, 5525.0, 5586.0, 5303.0, 5527.0, 5361.0, 5623.0, 5653.0, 5585.0, 5351.0, 5622.0, 5261.0, 5567.0, 5378.0, 5720.0, 5320.0, 5509.0, 5669.0, 5718.0, 5449.0, 5633.0, 5693.0, 5445.0, 5631.0, 5415.0, 5713.0, 5264.0, 5278.0, 5383.0, 5528.0, 5453.0, 5499.0, 5324.0, 5369.0, 5376.0, 5319.0, 5484.0, 5700.0, 5260.0, 5617.0, 5611.0, 5256.0, 5367.0, 5407.0, 5540.0, 5346.0, 5435.0, 5619.0, 5692.0, 5664.0, 5583.0, 5674.0, 5646.0, 5459.0, 5382.0, 5283.0, 5405.0, 5684.0, 5349.0, 5424.0, 5672.0, 5254.0, 5255.0, 5442.0, 5444.0, 5569.0, 5501.0, 5432.0, 5318.0, 5418.0, 5258.0, 5621.0, 5557.0, 5434.0, 5524.0, 5412.0, 5514.0, 5391.0, 5308.0, 5448.0, 5616.0, 5546.0, 5508.0, 5281.0, 5691.0, 5296.0, 5640.0, 5408.0, 5652.0, 5483.0 (number of hits: 3)
8	5510.0	9	1.0	333	1	5610.0, 5645.0, 5716.0, 5528.0, 5342.0, 5605.0, 5372.0, 5396.0, 5546.0, 5467.0, 5521.0, 5390.0, 5321.0, 5284.0, 5375.0, 5572.0, 5617.0, 5692.0, 5641.0, 5289.0, 5537.0, 5296.0, 5585.0, 5570.0, 5450.0, 5495.0, 5402.0, 5458.0, 5569.0, 5358.0, 5383.0, 5560.0, 5664.0, 5649.0, 5677.0, 5337.0, 5519.0, 5508.0, 5350.0, 5433.0, 5346.0, 5348.0, 5364.0, 5439.0, 5555.0, 5259.0, 5389.0, 5487.0, 5505.0, 5573.0, 5413.0, 5721.0, 5524.0, 5448.0, 5463.0, 5488.0, 5651.0, 5282.0, 5409.0, 5385.0, 5408.0, 5272.0, 5574.0, 5588.0, 5554.0, 5689.0, 5640.0, 5576.0, 5309.0, 5509.0, 5636.0, 5722.0, 5579.0, 5405.0, 5326.0, 5586.0, 5562.0, 5657.0, 5539.0, 5306.0, 5256.0, 5595.0, 5354.0, 5514.0, 5666.0, 5435.0, 5418.0, 5502.0, 5431.0, 5464.0, 5420.0, 5707.0, 5359.0, 5582.0, 5319.0, 5368.0, 5647.0, 5312.0, 5414.0, 5470.0 (number of hits: 5)
9	5510.0	9	1.0	333	1	5324.0, 5320.0, 5348.0, 5337.0, 5560.0, 5308.0, 5571.0, 5684.0, 5283.0, 5297.0, 5465.0, 5267.0, 5442.0, 5519.0, 5574.0, 5350.0, 5510.0, 5621.0, 5532.0, 5586.0, 5446.0, 5515.0, 5293.0, 5598.0, 5385.0, 5387.0, 5668.0, 5377.0, 5661.0, 5716.0, 5607.0, 5316.0, 5295.0, 5367.0, 5524.0, 5491.0, 5578.0, 5464.0, 5623.0, 5697.0, 5531.0, 5562.0, 5580.0, 5698.0, 5305.0, 5352.0, 5366.0, 5601.0, 5529.0, 5678.0, 5277.0, 5449.0, 5391.0, 5680.0, 5552.0, 5251.0, 5688.0, 5635.0, 5719.0, 5450.0, 5696.0, 5431.0, 5374.0, 5495.0, 5546.0, 5507.0, 5404.0, 5380.0, 5292.0, 5358.0, 5393.0, 5600.0, 5523.0, 5300.0, 5378.0, 5535.0, 5594.0, 5482.0, 5658.0, 5611.0, 5326.0, 5599.0, 5492.0, 5451.0, 5561.0, 5315.0, 5271.0, 5434.0, 5547.0, 5681.0, 5456.0, 5339.0, 5452.0, 5306.0, 5602.0, 5287.0,

						5290.0, 5587.0, 5707.0, 5717.0 (number of hits: 3)
10	5510.0	9	1.0	333	1	5628.0, 5724.0, 5685.0, 5269.0, 5426.0, 5264.0, 5343.0, 5413.0, 5370.0, 5529.0, 5383.0, 5678.0, 5291.0, 5273.0, 5595.0, 5292.0, 5434.0, 5394.0, 5577.0, 5448.0, 5572.0, 5590.0, 5391.0, 5579.0, 5360.0, 5649.0, 5316.0, 5470.0, 5455.0, 5358.0, 5581.0, 5272.0, 5428.0, 5593.0, 5528.0, 5480.0, 5608.0, 5267.0, 5393.0, 5701.0, 5674.0, 5613.0, 5290.0, 5583.0, 5300.0, 5508.0, 5622.0, 5556.0, 5392.0, 5387.0, 5550.0, 5603.0, 5536.0, 5605.0, 5502.0, 5405.0, 5476.0, 5604.0, 5693.0, 5416.0, 5670.0, 5458.0, 5359.0, 5251.0, 5485.0, 5511.0, 5389.0, 5615.0, 5335.0, 5520.0, 5319.0, 5543.0, 5666.0, 5298.0, 5557.0, 5345.0, 5467.0, 5342.0, 5580.0, 5350.0, 5421.0, 5563.0, 5675.0, 5606.0, 5309.0, 5673.0, 5395.0, 5626.0, 5493.0, 5398.0, 5488.0, 5589.0, 5344.0, 5369.0, 5263.0, 5347.0, 5397.0, 5531.0, 5346.0, 5287.0 (number of hits: 3)
11	5510.0	9	1.0	333	1	5291.0, 5397.0, 5555.0, 5603.0, 5479.0, 5395.0, 5552.0, 5643.0, 5432.0, 5701.0, 5377.0, 5602.0, 5579.0, 5548.0, 5331.0, 5511.0, 5572.0, 5325.0, 5266.0, 5363.0, 5407.0, 5388.0, 5721.0, 5299.0, 5593.0, 5705.0, 5418.0, 5540.0, 5549.0, 5506.0, 5400.0, 5498.0, 5448.0, 5284.0, 5575.0, 5476.0, 5633.0, 5640.0, 5457.0, 5420.0, 5507.0, 5674.0, 5695.0, 5470.0, 5278.0, 5517.0, 5621.0, 5696.0, 5404.0, 5450.0, 5379.0, 5417.0, 5341.0, 5599.0, 5515.0, 5691.0, 5496.0, 5578.0, 5280.0, 5518.0, 5605.0, 5342.0, 5486.0, 5627.0, 5472.0, 5469.0, 5645.0, 5606.0, 5334.0, 5389.0, 5704.0, 5356.0, 5375.0, 5669.0, 5392.0, 5589.0, 5516.0, 5653.0, 5289.0, 5497.0, 5500.0, 5562.0, 5661.0, 5628.0, 5660.0, 5594.0, 5425.0, 5300.0, 5369.0, 5584.0, 5708.0, 5264.0, 5614.0, 5686.0, 5386.0, 5285.0, 5475.0, 5723.0, 5409.0, 5624.0 (number of hits: 6)
12	5510.0	9	1.0	333	1	5356.0, 5444.0, 5319.0, 5619.0, 5496.0, 5396.0, 5548.0, 5355.0, 5321.0, 5594.0, 5301.0, 5531.0, 5511.0, 5316.0, 5276.0, 5293.0, 5259.0, 5269.0, 5682.0, 5482.0, 5552.0, 5644.0, 5638.0, 5604.0, 5457.0, 5364.0, 5571.0, 5311.0, 5433.0, 5658.0, 5534.0, 5536.0, 5607.0, 5520.0, 5331.0, 5690.0, 5307.0, 5578.0, 5568.0, 5484.0, 5603.0, 5721.0, 5565.0, 5432.0, 5410.0, 5667.0, 5271.0, 5452.0, 5574.0, 5577.0, 5414.0, 5479.0, 5643.0, 5359.0, 5685.0, 5392.0, 5255.0, 5490.0, 5672.0, 5524.0, 5555.0, 5441.0, 5675.0, 5406.0, 5274.0, 5642.0, 5275.0, 5688.0, 5559.0, 5253.0, 5616.0, 5659.0, 5695.0, 5366.0, 5633.0, 5653.0, 5614.0, 5357.0, 5305.0, 5551.0, 5418.0, 5261.0, 5615.0, 5648.0, 5266.0, 5438.0, 5589.0, 5349.0, 5272.0, 5393.0, 5315.0, 5710.0, 5351.0, 5412.0, 5312.0, 5561.0, 5637.0, 5654.0, 5382.0, 5459.0 (number of hits: 1)
13	5510.0	9	1.0	333	1	5404.0, 5315.0, 5621.0, 5535.0, 5519.0, 5474.0, 5375.0, 5376.0, 5494.0, 5425.0, 5702.0, 5676.0, 5568.0, 5471.0, 5510.0, 5325.0, 5673.0, 5639.0, 5693.0, 5652.0, 5345.0, 5669.0, 5444.0, 5718.0, 5291.0, 5559.0, 5359.0, 5433.0, 5366.0, 5395.0, 5698.0, 5542.0, 5586.0, 5498.0, 5556.0, 5543.0, 5340.0, 5595.0, 5311.0, 5356.0, 5338.0, 5558.0, 5288.0, 5282.0, 5503.0, 5299.0, 5374.0, 5589.0, 5720.0, 5266.0, 5263.0, 5491.0, 5419.0, 5629.0, 5480.0, 5274.0, 5553.0, 5633.0, 5475.0, 5578.0, 5649.0, 5468.0, 5408.0, 5611.0, 5638.0, 5643.0, 5456.0, 5663.0, 5452.0, 5336.0, 5310.0, 5481.0, 5267.0, 5314.0, 5522.0, 5590.0, 5617.0, 5383.0, 5637.0, 5540.0, 5369.0, 5294.0, 5524.0, 5317.0, 5270.0, 5455.0, 5361.0, 5699.0, 5495.0, 5631.0, 5432.0, 5704.0, 5427.0, 5640.0, 5508.0, 5659.0, 5460.0, 5302.0, 5478.0, 5667.0 (number of hits: 3)
14	5510.0	9	1.0	333	1	5447.0, 5461.0, 5380.0, 5343.0, 5610.0, 5296.0, 5326.0, 5581.0, 5667.0, 5487.0, 5477.0, 5321.0, 5712.0, 5627.0, 5700.0, 5374.0, 5643.0, 5711.0, 5434.0, 5325.0, 5628.0, 5266.0, 5656.0, 5285.0, 5697.0, 5529.0, 5362.0, 5279.0, 5430.0, 5682.0, 5480.0, 5300.0, 5299.0, 5658.0, 5707.0, 5471.0, 5696.0, 5488.0, 5647.0, 5459.0, 5540.0, 5629.0, 5265.0, 5622.0, 5350.0, 5587.0, 5560.0, 5537.0, 5580.0, 5502.0, 5423.0, 5255.0, 5641.0, 5568.0, 5261.0, 5535.0, 5353.0, 5556.0, 5258.0, 5276.0, 5544.0, 5284.0, 5695.0, 5635.0,

						5297.0, 5542.0, 5415.0, 5254.0, 5431.0, 5474.0, 5267.0, 5316.0, 5522.0, 5619.0, 5308.0, 5320.0, 5552.0, 5624.0, 5679.0, 5360.0, 5398.0, 5530.0, 5303.0, 5468.0, 5698.0, 5484.0, 5280.0, 5253.0, 5287.0, 5257.0, 5451.0, 5411.0, 5668.0, 5604.0, 5513.0, 5617.0, 5505.0, 5577.0, 5456.0, 5460.0 (number of hits: 3)
15	5510.0	9	1.0	333	1	5429.0, 5273.0, 5633.0, 5599.0, 5292.0, 5443.0, 5492.0, 5386.0, 5394.0, 5402.0, 5304.0, 5369.0, 5629.0, 5707.0, 5688.0, 5701.0, 5355.0, 5397.0, 5269.0, 5362.0, 5395.0, 5412.0, 5294.0, 5659.0, 5266.0, 5520.0, 5275.0, 5651.0, 5494.0, 5347.0, 5504.0, 5603.0, 5315.0, 5337.0, 5380.0, 5414.0, 5282.0, 5628.0, 5482.0, 5558.0, 5642.0, 5445.0, 5657.0, 5679.0, 5346.0, 5501.0, 5702.0, 5356.0, 5535.0, 5529.0, 5351.0, 5574.0, 5267.0, 5687.0, 5587.0, 5353.0, 5554.0, 5552.0, 5673.0, 5256.0, 5693.0, 5431.0, 5672.0, 5311.0, 5569.0, 5308.0, 5542.0, 5419.0, 5461.0, 5696.0, 5408.0, 5602.0, 5615.0, 5322.0, 5495.0, 5374.0, 5336.0, 5376.0, 5712.0, 5571.0, 5367.0, 5476.0, 5511.0, 5284.0, 5490.0, 5411.0, 5499.0, 5379.0, 5646.0, 5562.0, 5406.0, 5487.0, 5409.0, 5296.0, 5503.0, 5400.0, 5539.0, 5661.0, 5595.0, 5607.0 (number of hits: 3)
16	5510.0	9	1.0	333	1	5275.0, 5466.0, 5296.0, 5609.0, 5707.0, 5387.0, 5661.0, 5487.0, 5649.0, 5344.0, 5426.0, 5451.0, 5373.0, 5703.0, 5539.0, 5319.0, 5277.0, 5685.0, 5399.0, 5472.0, 5278.0, 5636.0, 5537.0, 5446.0, 5474.0, 5706.0, 5457.0, 5691.0, 5360.0, 5298.0, 5443.0, 5416.0, 5394.0, 5257.0, 5627.0, 5461.0, 5555.0, 5588.0, 5699.0, 5256.0, 5690.0, 5629.0, 5280.0, 5710.0, 5698.0, 5675.0, 5337.0, 5575.0, 5625.0, 5647.0, 5356.0, 5553.0, 5509.0, 5433.0, 5490.0, 5408.0, 5251.0, 5585.0, 5462.0, 5428.0, 5688.0, 5295.0, 5293.0, 5340.0, 5367.0, 5453.0, 5442.0, 5383.0, 5628.0, 5377.0, 5347.0, 5327.0, 5544.0, 5372.0, 5723.0, 5568.0, 5501.0, 5715.0, 5689.0, 5276.0, 5380.0, 5614.0, 5505.0, 5605.0, 5534.0, 5616.0, 5333.0, 5480.0, 5522.0, 5303.0, 5700.0, 5705.0, 5361.0, 5677.0, 5551.0, 5659.0, 5651.0, 5381.0, 5464.0, 5579.0 (number of hits: 2)
17	5510.0	9	1.0	333	1	5673.0, 5425.0, 5372.0, 5683.0, 5665.0, 5573.0, 5668.0, 5323.0, 5660.0, 5443.0, 5421.0, 5285.0, 5703.0, 5368.0, 5473.0, 5387.0, 5373.0, 5283.0, 5482.0, 5342.0, 5671.0, 5469.0, 5393.0, 5324.0, 5578.0, 5537.0, 5402.0, 5510.0, 5433.0, 5702.0, 5365.0, 5316.0, 5364.0, 5672.0, 5377.0, 5684.0, 5670.0, 5370.0, 5611.0, 5629.0, 5706.0, 5289.0, 5566.0, 5675.0, 5359.0, 5571.0, 5312.0, 5548.0, 5350.0, 5376.0, 5677.0, 5420.0, 5601.0, 5383.0, 5480.0, 5667.0, 5345.0, 5331.0, 5282.0, 5486.0, 5620.0, 5582.0, 5609.0, 5602.0, 5273.0, 5417.0, 5622.0, 5644.0, 5336.0, 5374.0, 5662.0, 5254.0, 5392.0, 5509.0, 5719.0, 5607.0, 5479.0, 5643.0, 5715.0, 5253.0, 5524.0, 5263.0, 5589.0, 5411.0, 5464.0, 5559.0, 5691.0, 5351.0, 5561.0, 5276.0, 5717.0, 5525.0, 5315.0, 5447.0, 5355.0, 5360.0, 5270.0, 5423.0, 5500.0, 5311.0 (number of hits: 2)
18	5510.0	9	1.0	333	1	5566.0, 5422.0, 5564.0, 5266.0, 5397.0, 5554.0, 5617.0, 5448.0, 5312.0, 5435.0, 5269.0, 5508.0, 5591.0, 5513.0, 5486.0, 5667.0, 5539.0, 5659.0, 5650.0, 5550.0, 5369.0, 5368.0, 5340.0, 5403.0, 5375.0, 5531.0, 5637.0, 5583.0, 5600.0, 5419.0, 5465.0, 5394.0, 5652.0, 5509.0, 5604.0, 5399.0, 5398.0, 5558.0, 5720.0, 5322.0, 5500.0, 5624.0, 5619.0, 5309.0, 5494.0, 5476.0, 5723.0, 5666.0, 5473.0, 5254.0, 5346.0, 5420.0, 5635.0, 5512.0, 5261.0, 5290.0, 5542.0, 5578.0, 5686.0, 5343.0, 5410.0, 5596.0, 5277.0, 5584.0, 5471.0, 5341.0, 5286.0, 5703.0, 5620.0, 5359.0, 5421.0, 5426.0, 5697.0, 5303.0, 5537.0, 5431.0, 5260.0, 5586.0, 5721.0, 5504.0, 5342.0, 5533.0, 5251.0, 5457.0, 5585.0, 5702.0, 5488.0, 5402.0, 5640.0, 5557.0, 5259.0, 5497.0, 5409.0, 5656.0, 5317.0, 5598.0, 5718.0, 5648.0, 5622.0, 5709.0 (number of hits: 5)
19	5510.0	9	1.0	333	1	5310.0, 5364.0, 5340.0, 5693.0, 5304.0, 5317.0, 5359.0, 5460.0, 5558.0, 5387.0, 5647.0, 5262.0, 5375.0, 5425.0, 5376.0, 5398.0, 5603.0, 5409.0, 5545.0, 5322.0, 5483.0, 5315.0, 5669.0, 5329.0, 5454.0, 5411.0, 5516.0, 5439.0, 5490.0, 5301.0, 5303.0, 5488.0,

						5717.0, 5564.0, 5617.0, 5487.0, 5547.0, 5402.0, 5345.0, 5268.0, 5716.0, 5553.0, 5441.0, 5395.0, 5435.0, 5332.0, 5302.0, 5664.0, 5392.0, 5457.0, 5355.0, 5535.0, 5484.0, 5442.0, 5255.0, 5670.0, 5598.0, 5594.0, 5433.0, 5422.0, 5554.0, 5511.0, 5405.0, 5619.0, 5261.0, 5296.0, 5305.0, 5437.0, 5290.0, 5251.0, 5522.0, 5696.0, 5681.0, 5335.0, 5272.0, 5703.0, 5378.0, 5687.0, 5639.0, 5318.0, 5449.0, 5384.0, 5538.0, 5360.0, 5657.0, 5513.0, 5521.0, 5314.0, 5555.0, 5299.0, 5599.0, 5616.0, 5646.0, 5385.0, 5373.0, 5379.0, 5621.0, 5510.0, 5307.0, 5714.0 (number of hits: 4)
20	5510.0	9	1.0	333	1	5348.0, 5678.0, 5536.0, 5548.0, 5631.0, 5360.0, 5585.0, 5426.0, 5690.0, 5459.0, 5590.0, 5260.0, 5503.0, 5457.0, 5606.0, 5429.0, 5545.0, 5514.0, 5449.0, 5446.0, 5527.0, 5691.0, 5428.0, 5416.0, 5393.0, 5620.0, 5444.0, 5632.0, 5349.0, 5719.0, 5374.0, 5344.0, 5696.0, 5273.0, 5370.0, 5643.0, 5395.0, 5430.0, 5419.0, 5674.0, 5272.0, 5431.0, 5554.0, 5288.0, 5529.0, 5586.0, 5619.0, 5517.0, 5310.0, 5599.0, 5594.0, 5618.0, 5268.0, 5488.0, 5483.0, 5658.0, 5379.0, 5626.0, 5476.0, 5269.0, 5385.0, 5334.0, 5357.0, 5469.0, 5475.0, 5663.0, 5706.0, 5595.0, 5571.0, 5694.0, 5661.0, 5387.0, 5541.0, 5375.0, 5292.0, 5433.0, 5584.0, 5685.0, 5526.0, 5311.0, 5639.0, 5298.0, 5275.0, 5331.0, 5270.0, 5549.0, 5633.0, 5403.0, 5515.0, 5280.0, 5574.0, 5621.0, 5420.0, 5508.0, 5401.0, 5267.0, 5257.0, 5715.0, 5693.0, 5485.0 (number of hits: 5)
21	5510.0	9	1.0	333	1	5626.0, 5317.0, 5502.0, 5291.0, 5514.0, 5283.0, 5647.0, 5686.0, 5639.0, 5601.0, 5544.0, 5657.0, 5516.0, 5576.0, 5673.0, 5349.0, 5597.0, 5581.0, 5557.0, 5440.0, 5567.0, 5656.0, 5519.0, 5703.0, 5273.0, 5325.0, 5289.0, 5549.0, 5525.0, 5664.0, 5449.0, 5465.0, 5507.0, 5263.0, 5344.0, 5594.0, 5257.0, 5498.0, 5460.0, 5378.0, 5381.0, 5584.0, 5593.0, 5569.0, 5550.0, 5351.0, 5285.0, 5379.0, 5583.0, 5446.0, 5278.0, 5340.0, 5359.0, 5662.0, 5678.0, 5578.0, 5374.0, 5625.0, 5377.0, 5714.0, 5563.0, 5304.0, 5654.0, 5585.0, 5297.0, 5560.0, 5711.0, 5615.0, 5526.0, 5483.0, 5463.0, 5272.0, 5506.0, 5414.0, 5392.0, 5551.0, 5630.0, 5696.0, 5658.0, 5366.0, 5327.0, 5287.0, 5634.0, 5432.0, 5693.0, 5464.0, 5400.0, 5605.0, 5719.0, 5335.0, 5444.0, 5608.0, 5685.0, 5260.0, 5646.0, 5434.0, 5543.0, 5309.0, 5411.0, 5447.0 (number of hits: 5)
22	5510.0	9	1.0	333	1	5342.0, 5572.0, 5621.0, 5417.0, 5332.0, 5279.0, 5277.0, 5379.0, 5428.0, 5484.0, 5584.0, 5644.0, 5290.0, 5709.0, 5297.0, 5541.0, 5632.0, 5666.0, 5675.0, 5630.0, 5370.0, 5296.0, 5450.0, 5714.0, 5363.0, 5410.0, 5512.0, 5437.0, 5432.0, 5325.0, 5442.0, 5454.0, 5466.0, 5524.0, 5616.0, 5674.0, 5579.0, 5326.0, 5424.0, 5609.0, 5610.0, 5593.0, 5710.0, 5643.0, 5592.0, 5638.0, 5298.0, 5622.0, 5470.0, 5639.0, 5508.0, 5287.0, 5282.0, 5407.0, 5718.0, 5557.0, 5522.0, 5390.0, 5640.0, 5471.0, 5516.0, 5563.0, 5344.0, 5414.0, 5505.0, 5364.0, 5594.0, 5582.0, 5494.0, 5328.0, 5435.0, 5445.0, 5377.0, 5313.0, 5447.0, 5530.0, 5474.0, 5617.0, 5662.0, 5267.0, 5544.0, 5421.0, 5285.0, 5722.0, 5461.0, 5391.0, 5292.0, 5607.0, 5376.0, 5353.0, 5350.0, 5538.0, 5721.0, 5571.0, 5493.0, 5696.0, 5596.0, 5302.0, 5487.0, 5308.0 (number of hits: 4)
23	5510.0	9	1.0	333	1	5303.0, 5531.0, 5385.0, 5639.0, 5481.0, 5504.0, 5348.0, 5512.0, 5255.0, 5342.0, 5430.0, 5622.0, 5315.0, 5336.0, 5706.0, 5588.0, 5581.0, 5671.0, 5392.0, 5713.0, 5386.0, 5330.0, 5473.0, 5499.0, 5407.0, 5425.0, 5331.0, 5527.0, 5657.0, 5662.0, 5659.0, 5603.0, 5290.0, 5485.0, 5450.0, 5694.0, 5324.0, 5271.0, 5560.0, 5643.0, 5263.0, 5549.0, 5343.0, 5575.0, 5345.0, 5285.0, 5644.0, 5480.0, 5354.0, 5373.0, 5537.0, 5482.0, 5685.0, 5383.0, 5672.0, 5284.0, 5318.0, 5545.0, 5699.0, 5546.0, 5559.0, 5723.0, 5532.0, 5648.0, 5317.0, 5405.0, 5489.0, 5273.0, 5631.0, 5329.0, 5611.0, 5667.0, 5333.0, 5567.0, 5704.0, 5535.0, 5509.0, 5506.0, 5402.0, 5254.0, 5308.0, 5346.0, 5691.0, 5653.0, 5452.0, 5634.0, 5564.0, 5314.0, 5309.0, 5391.0, 5365.0, 5293.0, 5406.0, 5266.0, 5292.0, 5590.0, 5543.0, 5338.0, 5645.0, 5705.0 (number of hits: 4)

24	5510.0	9	1.0	333	1	5269.0, 5699.0, 5621.0, 5656.0, 5507.0, 5293.0, 5547.0, 5597.0, 5463.0, 5542.0, 5677.0, 5374.0, 5572.0, 5404.0, 5377.0, 5680.0, 5460.0, 5557.0, 5516.0, 5482.0, 5687.0, 5327.0, 5433.0, 5369.0, 5427.0, 5721.0, 5654.0, 5720.0, 5355.0, 5324.0, 5458.0, 5401.0, 5704.0, 5535.0, 5627.0, 5456.0, 5367.0, 5407.0, 5643.0, 5251.0, 5409.0, 5568.0, 5709.0, 5356.0, 5255.0, 5380.0, 5698.0, 5411.0, 5511.0, 5420.0, 5524.0, 5451.0, 5452.0, 5629.0, 5634.0, 5655.0, 5435.0, 5446.0, 5399.0, 5469.0, 5272.0, 5301.0, 5268.0, 5312.0, 5354.0, 5560.0, 5724.0, 5491.0, 5628.0, 5298.0, 5264.0, 5603.0, 5700.0, 5559.0, 5326.0, 5515.0, 5670.0, 5525.0, 5335.0, 5344.0, 5364.0, 5329.0, 5332.0, 5589.0, 5461.0, 5439.0, 5366.0, 5584.0, 5425.0, 5598.0, 5657.0, 5505.0, 5437.0, 5400.0, 5308.0, 5426.0, 5402.0, 5716.0, 5457.0, 5499.0 (number of hits: 5)
25	5510.0	9	1.0	333	1	5533.0, 5459.0, 5701.0, 5698.0, 5614.0, 5313.0, 5274.0, 5258.0, 5372.0, 5370.0, 5470.0, 5269.0, 5397.0, 5708.0, 5592.0, 5412.0, 5653.0, 5316.0, 5532.0, 5279.0, 5699.0, 5303.0, 5602.0, 5477.0, 5331.0, 5631.0, 5493.0, 5377.0, 5690.0, 5692.0, 5712.0, 5707.0, 5398.0, 5643.0, 5721.0, 5580.0, 5401.0, 5611.0, 5664.0, 5619.0, 5571.0, 5363.0, 5705.0, 5261.0, 5502.0, 5418.0, 5597.0, 5411.0, 5417.0, 5566.0, 5609.0, 5434.0, 5516.0, 5462.0, 5396.0, 5724.0, 5538.0, 5660.0, 5586.0, 5465.0, 5694.0, 5260.0, 5576.0, 5577.0, 5509.0, 5395.0, 5362.0, 5285.0, 5461.0, 5300.0, 5295.0, 5386.0, 5439.0, 5622.0, 5452.0, 5467.0, 5604.0, 5675.0, 5556.0, 5478.0, 5569.0, 5550.0, 5537.0, 5284.0, 5608.0, 5593.0, 5469.0, 5496.0, 5678.0, 5567.0, 5648.0, 5689.0, 5389.0, 5436.0, 5334.0, 5460.0, 5536.0, 5340.0, 5624.0, 5526.0 (number of hits: 3)
26	5510.0	9	1.0	333	1	5330.0, 5635.0, 5294.0, 5463.0, 5569.0, 5594.0, 5678.0, 5689.0, 5525.0, 5658.0, 5310.0, 5657.0, 5507.0, 5427.0, 5642.0, 5501.0, 5528.0, 5675.0, 5499.0, 5429.0, 5697.0, 5423.0, 5360.0, 5340.0, 5546.0, 5417.0, 5333.0, 5719.0, 5649.0, 5698.0, 5634.0, 5468.0, 5718.0, 5549.0, 5672.0, 5587.0, 5308.0, 5663.0, 5590.0, 5694.0, 5334.0, 5639.0, 5357.0, 5595.0, 5379.0, 5279.0, 5554.0, 5342.0, 5484.0, 5448.0, 5598.0, 5376.0, 5371.0, 5312.0, 5455.0, 5370.0, 5666.0, 5676.0, 5480.0, 5295.0, 5721.0, 5578.0, 5717.0, 5614.0, 5535.0, 5422.0, 5406.0, 5393.0, 5416.0, 5441.0, 5326.0, 5636.0, 5653.0, 5687.0, 5616.0, 5407.0, 5532.0, 5690.0, 5449.0, 5644.0, 5665.0, 5339.0, 5327.0, 5680.0, 5395.0, 5496.0, 5472.0, 5361.0, 5270.0, 5544.0, 5495.0, 5394.0, 5515.0, 5476.0, 5347.0, 5266.0, 5572.0, 5318.0, 5709.0, 5591.0 (number of hits: 2)
27	5510.0	9	1.0	333	1	5362.0, 5317.0, 5597.0, 5328.0, 5537.0, 5469.0, 5453.0, 5339.0, 5709.0, 5343.0, 5528.0, 5721.0, 5505.0, 5269.0, 5365.0, 5689.0, 5655.0, 5569.0, 5555.0, 5478.0, 5428.0, 5543.0, 5619.0, 5637.0, 5568.0, 5667.0, 5710.0, 5268.0, 5413.0, 5661.0, 5257.0, 5513.0, 5475.0, 5679.0, 5590.0, 5331.0, 5417.0, 5620.0, 5382.0, 5704.0, 5500.0, 5640.0, 5406.0, 5574.0, 5470.0, 5504.0, 5371.0, 5581.0, 5334.0, 5410.0, 5368.0, 5639.0, 5366.0, 5376.0, 5276.0, 5399.0, 5380.0, 5468.0, 5297.0, 5700.0, 5702.0, 5723.0, 5310.0, 5487.0, 5304.0, 5274.0, 5519.0, 5671.0, 5540.0, 5474.0, 5575.0, 5492.0, 5351.0, 5400.0, 5405.0, 5559.0, 5461.0, 5444.0, 5420.0, 5385.0, 5295.0, 5514.0, 5279.0, 5666.0, 5697.0, 5391.0, 5512.0, 5253.0, 5397.0, 5675.0, 5356.0, 5532.0, 5517.0, 5547.0, 5277.0, 5340.0, 5429.0, 5261.0, 5592.0, 5439.0 (number of hits: 6)
28	5510.0	9	1.0	333	1	5520.0, 5508.0, 5270.0, 5491.0, 5580.0, 5339.0, 5373.0, 5464.0, 5702.0, 5291.0, 5695.0, 5407.0, 5309.0, 5335.0, 5627.0, 5426.0, 5549.0, 5391.0, 5535.0, 5645.0, 5622.0, 5261.0, 5467.0, 5662.0, 5480.0, 5621.0, 5637.0, 5667.0, 5332.0, 5432.0, 5399.0, 5483.0, 5591.0, 5505.0, 5475.0, 5665.0, 5420.0, 5392.0, 5276.0, 5408.0, 5254.0, 5427.0, 5578.0, 5719.0, 5636.0, 5647.0, 5340.0, 5596.0, 5723.0, 5439.0, 5573.0, 5641.0, 5331.0, 5679.0, 5259.0, 5273.0, 5713.0, 5351.0, 5617.0, 5286.0, 5256.0, 5721.0, 5525.0, 5311.0, 5661.0, 5592.0, 5680.0, 5495.0, 5528.0, 5588.0, 5479.0, 5551.0,

						5696.0, 5635.0, 5375.0, 5690.0, 5548.0, 5262.0, 5692.0, 5303.0, 5271.0, 5482.0, 5490.0, 5433.0, 5599.0, 5406.0, 5659.0, 5700.0, 5364.0, 5577.0, 5502.0, 5358.0, 5349.0, 5688.0, 5312.0, 5540.0, 5253.0, 5556.0, 5558.0, 5720.0 (number of hits: 3)
29	5510.0	9	1.0	333	1	5711.0, 5584.0, 5592.0, 5271.0, 5375.0, 5399.0, 5532.0, 5720.0, 5678.0, 5717.0, 5708.0, 5381.0, 5297.0, 5306.0, 5324.0, 5721.0, 5422.0, 5380.0, 5497.0, 5318.0, 5370.0, 5453.0, 5270.0, 5289.0, 5332.0, 5474.0, 5535.0, 5343.0, 5564.0, 5432.0, 5605.0, 5646.0, 5260.0, 5283.0, 5408.0, 5707.0, 5314.0, 5567.0, 5421.0, 5575.0, 5568.0, 5706.0, 5301.0, 5669.0, 5462.0, 5499.0, 5572.0, 5498.0, 5479.0, 5509.0, 5402.0, 5696.0, 5280.0, 5637.0, 5534.0, 5586.0, 5418.0, 5309.0, 5537.0, 5536.0, 5609.0, 5570.0, 5629.0, 5500.0, 5551.0, 5585.0, 5410.0, 5448.0, 5268.0, 5449.0, 5716.0, 5420.0, 5695.0, 5450.0, 5664.0, 5495.0, 5300.0, 5574.0, 5435.0, 5465.0, 5406.0, 5636.0, 5476.0, 5365.0, 5539.0, 5580.0, 5665.0, 5618.0, 5690.0, 5425.0, 5387.0, 5296.0, 5542.0, 5491.0, 5502.0, 5686.0, 5634.0, 5281.0, 5347.0, 5533.0 (number of hits: 2)
30	5510.0	9	1.0	333	1	5527.0, 5707.0, 5676.0, 5470.0, 5363.0, 5342.0, 5534.0, 5501.0, 5648.0, 5282.0, 5545.0, 5325.0, 5529.0, 5605.0, 5308.0, 5554.0, 5638.0, 5405.0, 5517.0, 5276.0, 5432.0, 5687.0, 5263.0, 5427.0, 5430.0, 5396.0, 5445.0, 5466.0, 5503.0, 5577.0, 5272.0, 5506.0, 5266.0, 5280.0, 5340.0, 5305.0, 5458.0, 5382.0, 5612.0, 5371.0, 5604.0, 5287.0, 5635.0, 5294.0, 5328.0, 5493.0, 5696.0, 5411.0, 5661.0, 5414.0, 5665.0, 5368.0, 5589.0, 5403.0, 5704.0, 5659.0, 5557.0, 5522.0, 5421.0, 5632.0, 5257.0, 5313.0, 5598.0, 5330.0, 5447.0, 5352.0, 5450.0, 5571.0, 5250.0, 5377.0, 5664.0, 5591.0, 5265.0, 5448.0, 5564.0, 5307.0, 5526.0, 5617.0, 5500.0, 5642.0, 5268.0, 5539.0, 5570.0, 5402.0, 5469.0, 5278.0, 5273.0, 5706.0, 5310.0, 5295.0, 5412.0, 5457.0, 5525.0, 5303.0, 5716.0, 5285.0, 5472.0, 5358.0, 5624.0, 5588.0 (number of hits: 3)

P2MP Client Mode
Pine Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	76.7 %	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate (Type1 to 4)	120	81.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	102	1.0	518	1
2	76	1.0	698	1
3	78	1.0	678	1
4	92	1.0	578	1
5	59	1.0	898	1
6	18	1.0	3066	1
7	58	1.0	918	1
8	68	1.0	778	1
9	62	1.0	858	1
10	65	1.0	818	1
11	95	1.0	558	1
12	63	1.0	838	1
13	61	1.0	878	1
14	74	1.0	718	0
15	83	1.0	638	1
16	18	1.0	2995	1
17	19	1.0	2831	1
18	22	1.0	2485	0
19	30	1.0	1764	1
20	25	1.0	2144	1
21	33	1.0	1631	1
22	51	1.0	1037	1
23	68	1.0	779	1
24	26	1.0	2072	1
25	28	1.0	1937	1
26	52	1.0	1015	1
27	27	1.0	1993	0
28	35	1.0	1534	1
29	18	1.0	2994	1
30	18	1.0	2979	1
Detection Percentage: 90 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	25	1.7	180	1
2	26	4.0	186	1
3	25	1.4	154	1
4	25	1.8	201	1
5	26	4.9	185	1
6	25	3.1	228	1
7	23	1.7	203	0
8	24	3.4	198	1
9	24	2.6	157	1
10	29	2.5	219	1
11	26	3.0	175	1
12	25	4.5	157	1
13	25	2.5	211	1
14	24	4.3	184	1
15	25	2.5	199	0
16	24	4.1	168	1
17	24	4.1	156	1
18	25	2.9	150	1
19	26	2.4	153	1
20	24	4.0	164	1
21	28	4.1	185	1
22	25	4.7	220	0
23	29	1.5	224	1
24	26	2.7	157	1
25	25	2.8	207	1
26	26	3.1	200	0
27	28	3.6	219	1
28	28	1.8	197	1
29	29	2.1	194	0
30	23	3.8	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	17	9.6	452	1
2	16	9.6	228	0
3	18	9.8	210	1
4	17	8.8	276	1
5	16	9.1	317	1
6	18	9.7	436	1
7	18	9.4	383	1
8	16	6.9	406	1
9	18	8.1	268	1
10	16	7.5	251	1
11	16	7.5	373	0
12	16	9.1	267	1
13	17	7.8	341	1
14	18	9.5	366	0
15	17	7.6	286	1
16	17	6.8	473	1
17	17	9.3	315	0
18	17	8.6	397	1
19	18	6.5	407	0
20	17	9.0	459	1
21	16	6.0	326	1
22	16	7.0	436	1
23	18	8.7	395	1
24	17	9.9	471	1
25	16	8.7	260	1
26	18	8.7	465	1
27	17	8.5	209	0
28	17	8.1	256	1
29	16	6.1	450	0
30	18	7.1	259	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	12	15.8	307	1
2	15	19.0	390	1
3	12	18.0	375	1
4	16	18.3	300	1
5	14	15.3	286	1
6	14	19.0	361	1
7	14	15.8	358	1
8	14	19.6	472	0
9	15	17.5	304	1
10	16	16.8	281	1
11	16	11.5	461	1
12	16	18.5	295	0
13	12	14.6	464	1
14	12	16.0	460	1
15	14	11.5	381	1
16	13	11.2	476	0
17	13	11.4	480	1
18	12	12.2	273	1
19	15	13.5	233	0
20	12	16.3	357	1
21	14	19.8	355	1
22	12	19.2	206	1
23	13	17.1	434	1
24	16	15.4	385	1
25	15	18.9	351	0
26	13	18.4	211	0
27	14	14.0	467	0
28	13	18.2	320	1
29	14	13.0	454	1
30	14	15.9	217	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	5499.8	1
12	5495.0	1
13	5496.2	1
14	5499.4	1
15	5496.6	1
16	5497.0	1
17	5496.6	1
18	5498.6	1
19	5495.4	1
20	5499.0	1
21	5559.0	1
22	5564.6	1
23	5564.6	1
24	5563.4	1
25	5563.8	1
26	5561.8	1
27	5563.8	1
28	5562.6	1
29	5562.2	1
30	5559.4	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	70.8	1523		0.857118	1
1	3	11	53.7	1738	1654	1.915581	
2	2	11	58.1	1552		2.440213	
3	2	11	71.2	1712		3.491458	
4	1	11	87.9			4.628578	
5	2	11	91.8	1709		5.671108	
6	2	11	84.9	1791		7.513063	
7	2	11	91.5	1607		8.403600	
8	2	11	55.5	1017		9.000886	
9	2	11	68.0	1496		10.310959	
10	2	11	69.1	1522		11.365645	

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	8	72.2	1582	1434	0.305519	1
1	1	8	91.2			1.499712	
2	2	8	50.4	1744		2.134721	
3	1	8	83.8			2.573994	
4	1	8	96.0			3.835274	
5	2	8	51.8	1799		4.396640	
6	3	8	66.4	1445	1107	5.895162	
7	3	8	77.8	1422	1968	6.245589	
8	3	8	90.2	1709	1336	6.941006	
9	2	8	81.5	1036		8.128742	
10	2	8	94.2	1515		8.664140	
11	1	8	70.4			9.672370	
12	3	8	88.2	1714	1952	10.786338	
13	3	8	85.9	1514	1835	11.427726	

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	13	87.4	1097		0.354683	1
1	1	13	76.6			1.644596	
2	1	13	94.4			2.155504	
3	3	13	87.7	1945	1256	3.814200	
4	2	13	96.0	1282		4.282225	
5	2	13	86.4	1247		5.311582	
6	1	13	86.0			6.556738	
7	2	13	95.6	1486		7.128942	
8	3	13	82.6	1736	1385	8.086854	
9	2	13	85.2	1358		9.373571	
10	1	13	66.6			10.963287	
11	2	13	89.7	1423		11.353724	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	11	95.9			0.415716	1
1	1	11	53.9			1.147106	
2	2	11	76.6	1051		1.567353	
3	2	11	85.7	1586		2.509714	
4	2	11	95.3	1569		2.817247	
5	3	11	58.3	1691	1402	3.757335	
6	2	11	91.8	1228		3.907298	
7	1	11	71.5			4.813800	
8	3	11	68.7	1794	1054	5.579463	
9	2	11	74.9	1312		5.995301	
10	2	11	93.3	1395		6.800242	
11	2	11	69.5	1033		7.526506	
12	3	11	75.8	1931	1828	8.044918	
13	3	11	56.6	1273	1609	8.254369	
14	2	11	92.0	1431		9.374914	
15	2	11	99.5	1023		9.941357	
16	2	11	70.7	1244		10.550180	
17	3	11	76.0	1328	1785	11.312778	
18	1	11	50.7			11.508022	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	77.8	1290		0.587628	
1	2	9	64.8	1922		1.031394	
2	1	9	69.1			1.441789	
3	2	9	71.4	1400		2.076653	
4	3	9	51.0	1619	1077	2.856568	
5	2	9	72.0	1901		3.438171	
6	2	9	81.6	1964		4.331021	
7	1	9	77.3			4.482189	
8	2	9	51.7	1085		5.081233	
9	1	9	89.0			6.017755	1
10	2	9	95.3	1739		6.836511	
11	1	9	93.9			6.996233	
12	1	9	70.4			7.801991	
13	1	9	69.9			8.213857	
14	3	9	94.1	1455	1201	9.460565	
15	3	9	95.0	1722	1263	10.070598	
16	3	9	74.3	1956	1179	10.537499	
17	1	9	53.5			10.874917	
18	3	9	78.4	1874	1706	11.526657	

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	11	99.3	1704		0.174734	
1	3	11	68.8	1084	1408	1.143243	
2	3	11	58.9	1829	1033	1.846352	
3	3	11	96.3	1062	1219	2.069150	
4	2	11	65.7	1956		2.533210	
5	2	11	56.5	1459		3.338736	
6	1	11	52.2			4.036526	
7	2	11	66.8	1669		4.482653	
8	3	11	83.7	1443	1638	5.297612	
9	2	11	52.0	1193		5.790246	1
10	3	11	87.7	1794	1726	6.533599	
11	1	11	53.4			7.337553	
12	3	11	90.2	1220	1878	7.712716	
13	2	11	59.3	1789		8.231040	
14	3	11	51.5	1912	1156	8.975232	
15	2	11	91.8	1605		9.745572	
16	2	11	73.8	1814		10.547693	
17	1	11	61.4			11.033330	
18	1	11	79.9			11.559295	

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	12	83.9	1217	1835	0.479116	
1	2	12	75.2	1154		0.831453	
2	1	12	82.6			1.736785	
3	1	12	63.5			2.506526	
4	2	12	62.8	1116		3.244159	
5	2	12	80.9	1250		3.681783	
6	2	12	96.4	1638		4.541151	
7	1	12	65.1			5.223285	
8	3	12	74.0	1643	1202	5.911571	1
9	1	12	57.7			6.780802	
10	3	12	92.1	1177	1647	7.453220	
11	2	12	57.1	1536		8.174863	
12	2	12	54.1	1356		8.585680	
13	1	12	81.2			9.867357	
14	2	12	87.1	1315		10.354879	
15	2	12	66.3	1353		10.715513	
16	1	12	75.0			11.334725	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	96.9	1439		0.679656	
1	3	13	63.4	1312	1249	1.238020	
2	2	13	66.4	1017		1.864006	
3	2	13	93.9	1393		2.778363	
4	1	13	65.6			4.080628	
5	2	13	51.1	1594		4.435281	
6	1	13	97.7			5.763073	
7	2	13	67.8	1526		6.329207	1
8	2	13	64.0	1700		7.544800	
9	1	13	65.8			8.228464	
10	3	13	53.2	1872	1404	9.044733	
11	2	13	89.2	1007		10.042404	
12	2	13	55.3	1541		10.993547	
13	1	13	62.1			11.673681	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	97.6	1149	1090	0.313450	1
1	1	8	84.1			1.275114	
2	1	8	96.2			2.936493	
3	2	8	65.9	1293		3.190391	
4	2	8	70.8	1751		4.703581	
5	3	8	55.3	1091	1966	5.092420	
6	3	8	100.0	1086	1129	6.967855	
7	1	8	74.0			7.883885	
8	2	8	89.4	1586		8.196820	
9	3	8	95.8	1819	1221	9.779999	
10	1	8	57.4			10.460115	
11	2	8	81.2	1284		11.246201	

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	55.4	1043		0.612351	1
1	3	14	86.7	1929	1716	1.964754	
2	1	14	96.5			2.709917	
3	3	14	61.2	1974	1285	3.297421	
4	3	14	52.9	1204	1580	4.714123	
5	1	14	93.0			5.602500	
6	3	14	66.7	1449	1708	6.752484	
7	3	14	67.1	1710	1825	7.953227	
8	2	14	80.3	1119		8.246072	
9	3	14	90.3	1509	1108	9.388213	
10	3	14	72.7	1681	1316	10.136575	
11	1	14	62.4			11.444946	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	77.3	1431	1484	0.555807	
1	1	17	55.6			1.374145	
2	2	17	68.9	1337		2.564165	
3	2	17	58.8	1263		4.077858	
4	3	17	63.1	1784	1400	5.128395	
5	3	17	55.0	1667	1358	5.530703	1
6	2	17	56.6	1426		7.239618	
7	2	17	55.5	1147		8.589589	
8	3	17	86.2	1417	1896	9.009937	
9	1	17	58.5			10.612183	
10	2	17	50.7	1467		11.430497	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	5	64.7	1737	1302	0.593686	
1	2	5	69.6	1680		1.459119	
2	2	5	85.9	1663		2.057103	
3	3	5	70.1	1841	1174	3.140590	
4	3	5	80.5	1955	1911	3.709413	
5	3	5	61.5	1631	1401	4.459955	
6	2	5	93.9	1673		5.538907	
7	2	5	62.8	1654		5.995653	1
8	1	5	86.1			6.783919	
9	3	5	59.3	1602	1729	7.977411	
10	2	5	85.5	1011		8.273062	
11	2	5	90.6	1469		9.398193	
12	1	5	68.7			9.714925	
13	1	5	83.6			10.985820	
14	2	5	54.3	1224		11.797003	

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	8	83.0			0.048398	1
1	1	8	84.6			2.057926	
2	2	8	88.1	1987		2.836682	
3	3	8	70.8	1742	1610	4.007156	
4	3	8	53.1	1602	1989	4.965017	
5	3	8	93.2	1713	1214	6.993851	
6	1	8	56.9			7.677607	
7	2	8	96.2	1043		8.959268	
8	1	8	92.2			9.847868	
9	2	8	69.4	1157		11.374907	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	16	82.3	1062	1336	0.476457	1
1	2	16	78.5	1549		1.273696	
2	3	16	94.9	1063	1207	2.882903	
3	2	16	84.1	1148		3.482656	
4	3	16	99.2	1271	1930	4.563419	
5	1	16	59.2			5.818562	
6	1	16	62.0			6.191008	
7	2	16	70.7	1165		7.551011	
8	3	16	98.3	1113	1700	8.757372	
9	2	16	80.7	1440		9.913292	
10	3	16	98.1	1162	1611	10.949867	
11	2	16	74.4	1999		11.970549	

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	9	58.5	1279		0.034200	1
1	2	9	70.1	1619		1.030625	
2	1	9	77.6			1.854195	
3	1	9	54.6			2.216383	
4	2	9	92.0	1785		3.265597	
5	3	9	58.1	1860	1833	3.587165	
6	2	9	69.3	1649		4.429749	
7	2	9	64.0	1799		4.908301	
8	3	9	87.8	1412	1442	5.773150	
9	1	9	74.6			6.410705	
10	2	9	69.8	1834		6.705358	
11	2	9	90.0	1153		7.866525	
12	2	9	78.7	1962		8.386913	
13	3	9	61.4	1048	1398	9.087196	
14	2	9	68.4	1899		9.797256	
15	2	9	68.5	1676		10.397916	
16	2	9	99.7	1195		10.737996	
17	1	9	80.6			11.389101	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	10	61.3			0.422496	1
1	2	10	63.1	1698		1.638654	
2	2	10	74.1	1648		2.213220	
3	2	10	66.2	1061		3.634792	
4	3	10	52.1	1983	1344	3.990738	
5	1	10	56.5			4.802426	
6	2	10	75.6	1291		5.967221	
7	2	10	79.2	1515		6.493610	
8	3	10	89.9	1735	1973	7.737449	
9	1	10	81.8			8.436479	
10	1	10	67.0			10.146688	
11	2	10	88.5	1280		10.976258	
12	2	10	82.9	1934		11.568511	

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	98.2	1646		0.602392	
1	2	9	84.3	1069		0.839853	
2	1	9	84.1			1.285564	
3	2	9	81.0	1666		2.113975	
4	2	9	52.7	1082		3.042544	
5	3	9	89.9	1653	1962	3.694497	
6	2	9	59.3	1049		4.410016	
7	2	9	98.3	1476		5.024212	
8	3	9	94.3	1319	1540	5.191860	
9	1	9	57.3			5.981131	1
10	1	9	91.1			6.841231	
11	3	9	79.6	1994	1849	7.264672	
12	2	9	63.7	1945		7.724948	
13	3	9	93.2	1541	1140	8.463341	
14	3	9	77.0	1738	1953	9.128894	
15	3	9	82.1	1400	1547	10.012423	
16	2	9	86.7	1462		10.518132	
17	1	9	87.8			10.939908	
18	1	9	93.1			11.692357	

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	14	86.0	1740	1793	0.188794	
1	2	14	57.9	1249		1.346960	
2	2	14	67.4	1597		3.131797	
3	2	14	79.2	1209		4.480499	
4	1	14	81.2			5.008980	
5	1	14	51.9			6.366627	1
6	2	14	55.0	1516		7.740156	
7	2	14	63.6	1544		9.466024	
8	3	14	95.2	1664	1783	10.241317	
9	2	14	56.7	1807		11.653009	
0	3	14	86.0	1740	1793	0.188794	

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	6	55.7	1595		0.831116	
1	2	6	82.2	1538		1.493210	
2	1	6	88.3			1.955755	
3	1	6	69.7			3.417545	
4	2	6	56.9	1438		4.282474	
5	2	6	90.4	1241		4.916528	
6	2	6	72.8	1991		6.350870	1
7	2	6	79.4	1197		6.627828	
8	2	6	98.5	1314		8.070419	
9	1	6	83.6			8.835034	
10	3	6	73.6	1472	1429	9.363700	
11	2	6	75.1	1067		10.565956	
12	2	6	85.5	1314		11.336119	

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	15	82.9	1824		0.489555	
1	1	15	89.9			0.904345	
2	2	15	74.7	1865		1.720827	
3	2	15	63.5	1157		1.951376	
4	2	15	82.6	1209		3.051806	
5	2	15	89.3	1880		3.582360	
6	3	15	93.4	1880	1892	4.129542	
7	2	15	93.2	1774		4.657605	
8	2	15	53.3	1282		5.622803	
9	2	15	80.0	1989		5.812449	1
10	3	15	99.2	1261	1104	6.777800	
11	3	15	60.5	1480	1226	7.441386	
12	2	15	67.4	1350		7.778300	
13	3	15	70.3	1335	1474	8.636139	
14	2	15	94.2	1039		9.074740	
15	2	15	56.9	1617		10.067189	
16	3	15	51.1	1189	1261	10.375686	
17	1	15	90.4			11.208616	
18	2	15	80.1	1023		11.773621	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	79.0	1866		1.103725	1
1	1	20	60.0			1.548916	
2	2	20	78.1	1551		3.294279	
3	1	20	63.5			5.536146	
4	3	20	93.6	1735	1221	6.519251	
5	3	20	74.7	1892	1350	8.955676	
6	3	20	83.6	1307	1640	9.060855	
7	2	20	53.5	1288		11.984977	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	67.8	1145		0.148595	1
1	3	6	65.7	1756	1265	1.387317	
2	2	6	74.3	1108		1.700542	
3	3	6	75.6	1994	1375	2.562502	
4	2	6	96.2	1418		3.463077	
5	1	6	72.9			4.381562	
6	3	6	99.4	1973	1337	5.558348	
7	2	6	90.8	1626		5.744863	
8	2	6	88.9	1318		6.986767	
9	2	6	57.4	1218		7.935737	
10	3	6	76.9	1824	1076	8.299880	
11	1	6	58.3			9.289417	
12	2	6	53.8	1303		9.904638	
13	2	6	86.6	1160		10.569623	
14	3	6	85.0	1948	1846	11.805181	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	64.0	1749		0.085377	1
1	2	6	65.3	1412		1.239923	
2	2	6	69.0	1557		1.748947	
3	2	6	83.9	1709		2.617913	
4	1	6	90.7			3.203608	
5	1	6	92.1			3.940091	
6	2	6	56.9	1223		4.194390	
7	3	6	52.2	1411	1526	5.095770	
8	2	6	88.5	1558		5.979298	
9	3	6	94.8	1278	1410	6.195851	
10	1	6	52.7			7.245859	
11	2	6	56.3	1272		7.663814	
12	2	6	67.4	1245		8.136354	
13	2	6	80.9	1387		8.736271	
14	2	6	80.8	1544		9.978908	
15	3	6	99.4	1509	1321	10.489578	
16	3	6	65.7	1860	1890	11.078954	
17	1	6	84.8			11.906034	

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	9	87.9			0.551570	1
1	3	9	82.4	1710	1971	1.498683	
2	2	9	65.8	1028		3.267746	
3	1	9	79.4			4.557456	
4	3	9	96.6	1293	1116	4.940039	
5	3	9	96.8	1426	1542	7.031599	
6	3	9	54.9	1509	1856	7.816095	
7	2	9	74.9	1457		8.856655	
8	2	9	82.6	1616		9.884632	
9	2	9	97.3	1833		11.398611	

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	8	80.3	1094		0.772554	1
1	2	8	65.7	1045		1.825971	
2	1	8	73.0			3.147226	
3	1	8	67.2			3.664993	
4	2	8	62.3	1168		5.221708	
5	1	8	77.9			6.953354	
6	3	8	79.6	1004	1391	8.146221	
7	2	8	79.3	1046		8.966539	
8	2	8	54.7	1753		10.458011	
9	2	8	69.4	1881		11.175293	

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	13	99.8			0.660570	1
1	2	13	51.4	1739		1.010924	
2	1	13	68.1			1.839102	
3	2	13	57.2	1547		2.660252	
4	1	13	72.3			3.297631	
5	3	13	69.7	1774	1638	4.111502	
6	1	13	70.1			4.920458	
7	2	13	81.4	1534		5.543460	
8	2	13	62.1	1051		6.493478	
9	1	13	82.5			7.213491	
10	2	13	69.1	1407		8.140667	
11	3	13	72.0	1866	1585	8.813172	
12	1	13	76.0			9.076624	
13	2	13	61.4	1498		10.311644	
14	1	13	74.9			10.878368	
15	3	13	69.5	1484	1002	11.272556	

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	8	84.1	1268	1926	0.561617	1
1	2	8	72.1	1794		0.742572	
2	1	8	91.0			1.411522	
3	2	8	71.3	1272		2.149137	
4	1	8	84.7			2.875205	
5	2	8	82.0	1473		3.041737	
6	3	8	75.4	1233	1474	3.647511	
7	3	8	91.6	1209	1119	4.717724	
8	2	8	99.9	1694		5.068786	
9	3	8	84.5	1801	1368	5.520748	
10	1	8	52.3			6.065866	
11	2	8	71.4	1931		7.005820	
12	2	8	78.2	1295		7.754735	
13	1	8	51.2			7.896814	
14	2	8	74.9	1789		8.599611	
15	1	8	66.6			9.505112	
16	1	8	57.4			9.750103	
17	3	8	91.2	1260	1207	10.241948	
18	3	8	67.9	1632	1405	11.235266	
19	1	8	60.0			11.547888	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	11	74.6	1171	1425	0.017778	
1	2	11	76.5	1463		1.141185	
2	2	11	92.4	1995		1.317659	
3	2	11	58.3	1051		2.236192	
4	2	11	80.9	1998		2.577843	
5	2	11	73.2	1424		3.477551	
6	2	11	68.7	1997		4.129660	
7	2	11	81.8	1810		4.949699	
8	3	11	92.6	1801	1113	5.656465	
9	3	11	97.4	1806	1371	5.785931	1
10	2	11	71.4	1533		6.788979	
11	2	11	64.5	1914		7.216181	
12	2	11	80.1	1045		7.705460	
13	2	11	90.9	1600		8.581561	
14	2	11	88.1	1440		9.052464	
15	2	11	62.7	1248		9.612304	
16	2	11	55.9	1236		10.206145	
17	3	11	96.4	1524	1839	11.356240	
18	2	11	81.8	1559		11.602346	

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	12	61.8	1862		0.421657	
1	3	12	81.3	1118	1273	1.156666	
2	2	12	73.1	1235		2.754877	
3	2	12	94.6	1790		3.803492	
4	3	12	64.8	1494	1891	4.797736	
5	3	12	72.5	1716	1048	5.619888	1
6	1	12	91.7			6.261513	
7	2	12	59.5	1966		7.751986	
8	2	12	52.3	1125		8.958248	
9	3	12	72.5	1704	1299	9.228979	
10	1	12	93.8			10.153228	
11	1	12	78.8			11.148946	

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	60.3	1291		0.080706	
1	2	19	88.0	1326		0.709112	
2	2	19	96.4	1865		1.574574	
3	3	19	98.9	1515	1403	2.791059	
4	2	19	63.5	1473		2.982485	
5	1	19	68.0			3.997495	
6	2	19	71.9	1461		4.892264	
7	1	19	74.2			5.073536	
8	2	19	80.0	1866		5.809456	1
9	3	19	87.4	1407	1181	6.426771	
10	2	19	99.3	1339		7.386406	
11	1	19	95.2			8.285631	
12	1	19	60.5			8.996432	
13	1	19	95.1			9.738092	
14	2	19	99.3	1527		10.082153	
15	1	19	97.8			10.635089	
16	2	19	96.9	1990		11.323525	

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	5657.0, 5261.0, 5489.0, 5341.0, 5439.0, 5382.0, 5550.0, 5432.0, 5628.0, 5670.0, 5624.0, 5719.0, 5655.0, 5638.0, 5709.0, 5354.0, 5340.0, 5668.0, 5451.0, 5398.0, 5284.0, 5280.0, 5514.0, 5696.0, 5616.0, 5699.0, 5360.0, 5690.0, 5306.0, 5402.0, 5309.0, 5586.0, 5579.0, 5562.0, 5592.0, 5656.0, 5495.0, 5691.0, 5491.0, 5650.0, 5259.0, 5456.0, 5674.0, 5297.0, 5652.0, 5574.0, 5693.0, 5572.0, 5290.0, 5468.0, 5635.0, 5717.0, 5430.0, 5275.0, 5541.0, 5529.0, 5346.0, 5387.0, 5487.0, 5632.0, 5712.0, 5418.0, 5578.0, 5389.0, 5344.0, 5471.0, 5475.0, 5383.0, 5523.0, 5667.0, 5314.0, 5291.0, 5334.0, 5502.0, 5496.0, 5392.0, 5396.0, 5576.0, 5622.0, 5256.0, 5591.0, 5316.0, 5276.0, 5585.0, 5482.0, 5640.0, 5679.0, 5477.0, 5445.0, 5617.0, 5404.0, 5484.0, 5645.0, 5479.0, 5446.0, 5416.0, 5513.0, 5255.0, 5664.0, 5363.0 (number of hits: 10)
2	5530.0	9	1.0	333	1	5402.0, 5504.0, 5511.0, 5567.0, 5647.0, 5587.0, 5530.0, 5718.0, 5312.0, 5669.0, 5702.0, 5443.0, 5703.0, 5675.0, 5381.0, 5423.0, 5607.0, 5591.0, 5645.0, 5454.0, 5362.0, 5422.0, 5482.0, 5590.0, 5376.0, 5518.0, 5416.0, 5346.0, 5574.0, 5324.0, 5686.0, 5676.0, 5710.0, 5434.0, 5476.0, 5258.0, 5311.0, 5581.0, 5261.0, 5541.0, 5592.0, 5570.0, 5528.0, 5445.0, 5643.0, 5418.0, 5452.0, 5316.0, 5595.0, 5674.0, 5481.0, 5672.0, 5410.0, 5352.0, 5514.0, 5529.0, 5382.0, 5319.0, 5307.0, 5417.0, 5428.0, 5498.0, 5689.0, 5542.0, 5548.0, 5300.0, 5713.0, 5483.0, 5682.0, 5597.0, 5339.0, 5394.0, 5637.0, 5665.0, 5330.0, 5289.0, 5603.0, 5611.0, 5706.0, 5687.0, 5441.0, 5649.0, 5601.0, 5305.0, 5288.0, 5715.0, 5670.0, 5671.0, 5366.0, 5273.0, 5692.0, 5269.0, 5491.0, 5466.0, 5519.0, 5321.0, 5449.0, 5640.0, 5344.0, 5457.0 (number of hits: 12)
3	5530.0	9	1.0	333	1	5665.0, 5379.0, 5434.0, 5467.0, 5622.0, 5328.0, 5425.0, 5354.0, 5270.0, 5621.0, 5514.0, 5406.0, 5633.0, 5281.0, 5382.0, 5265.0, 5302.0, 5377.0, 5577.0, 5666.0, 5313.0, 5511.0, 5415.0, 5676.0, 5252.0, 5540.0, 5616.0, 5685.0, 5486.0, 5522.0, 5390.0, 5400.0, 5561.0, 5297.0, 5548.0, 5656.0, 5549.0, 5547.0, 5507.0, 5646.0, 5397.0, 5524.0, 5346.0, 5275.0, 5285.0, 5358.0, 5475.0, 5484.0, 5716.0, 5383.0, 5710.0, 5667.0, 5558.0, 5519.0, 5542.0, 5680.0, 5349.0, 5595.0, 5687.0, 5587.0, 5409.0, 5263.0, 5326.0, 5678.0, 5618.0, 5679.0, 5482.0, 5337.0, 5494.0, 5551.0, 5670.0, 5422.0, 5526.0, 5411.0, 5465.0, 5580.0, 5544.0, 5414.0, 5512.0, 5560.0, 5564.0, 5639.0, 5664.0, 5253.0, 5269.0, 5647.0, 5399.0, 5435.0, 5550.0, 5299.0, 5537.0, 5481.0, 5490.0, 5723.0, 5420.0, 5528.0, 5449.0, 5495.0, 5440.0, 5513.0 (number of hits: 25)
4	5530.0	9	1.0	333	1	5629.0, 5423.0, 5407.0, 5354.0, 5567.0, 5339.0, 5316.0, 5577.0, 5483.0, 5406.0, 5641.0, 5378.0, 5323.0, 5704.0, 5443.0, 5698.0, 5514.0, 5326.0, 5637.0, 5517.0, 5598.0, 5432.0, 5481.0, 5525.0, 5500.0, 5724.0, 5569.0, 5593.0, 5472.0, 5452.0, 5702.0, 5492.0, 5474.0, 5461.0, 5445.0, 5636.0, 5268.0, 5715.0, 5596.0, 5537.0, 5597.0, 5465.0, 5580.0, 5433.0, 5652.0, 5263.0, 5660.0, 5310.0, 5692.0, 5307.0, 5455.0, 5471.0, 5622.0, 5513.0, 5499.0, 5362.0, 5320.0, 5717.0, 5688.0, 5386.0, 5642.0, 5666.0, 5290.0, 5618.0, 5275.0, 5620.0, 5480.0, 5353.0, 5274.0, 5671.0, 5617.0, 5257.0, 5253.0, 5685.0, 5689.0, 5301.0, 5520.0, 5515.0, 5530.0, 5450.0, 5614.0, 5342.0, 5464.0, 5681.0, 5390.0, 5357.0, 5633.0, 5364.0, 5456.0, 5714.0, 5463.0, 5601.0, 5382.0, 5355.0, 5531.0, 5541.0, 5325.0, 5611.0, 5523.0, 5462.0 (number of hits: 13)
5	5530.0	9	1.0	333	1	5398.0, 5426.0, 5479.0, 5625.0, 5546.0, 5500.0, 5378.0, 5342.0, 5261.0, 5323.0, 5396.0, 5693.0, 5381.0, 5471.0, 5629.0, 5700.0, 5312.0, 5590.0, 5718.0, 5314.0, 5497.0, 5600.0, 5420.0, 5697.0,

						5522.0, 5667.0, 5377.0, 5425.0, 5654.0, 5543.0, 5592.0, 5699.0, 5688.0, 5466.0, 5451.0, 5440.0, 5273.0, 5260.0, 5523.0, 5690.0, 5324.0, 5691.0, 5397.0, 5704.0, 5475.0, 5433.0, 5285.0, 5376.0, 5461.0, 5687.0, 5644.0, 5549.0, 5283.0, 5517.0, 5492.0, 5638.0, 5482.0, 5445.0, 5538.0, 5696.0, 5329.0, 5676.0, 5511.0, 5460.0, 5410.0, 5663.0, 5496.0, 5524.0, 5321.0, 5474.0, 5359.0, 5341.0, 5618.0, 5580.0, 5275.0, 5528.0, 5362.0, 5332.0, 5702.0, 5386.0, 5640.0, 5490.0, 5694.0, 5309.0, 5430.0, 5680.0, 5370.0, 5373.0, 5472.0, 5255.0, 5689.0, 5720.0, 5565.0, 5402.0, 5708.0, 5585.0, 5692.0, 5363.0, 5366.0, 5274.0 (number of hits: 14)
6	5530.0	9	1.0	333	1	5687.0, 5445.0, 5532.0, 5258.0, 5472.0, 5553.0, 5465.0, 5282.0, 5452.0, 5541.0, 5438.0, 5375.0, 5588.0, 5626.0, 5271.0, 5638.0, 5524.0, 5261.0, 5255.0, 5558.0, 5401.0, 5461.0, 5330.0, 5616.0, 5447.0, 5606.0, 5307.0, 5327.0, 5421.0, 5423.0, 5543.0, 5698.0, 5379.0, 5256.0, 5377.0, 5590.0, 5636.0, 5441.0, 5717.0, 5639.0, 5716.0, 5689.0, 5609.0, 5688.0, 5591.0, 5547.0, 5625.0, 5661.0, 5506.0, 5644.0, 5714.0, 5411.0, 5367.0, 5425.0, 5399.0, 5269.0, 5259.0, 5653.0, 5448.0, 5314.0, 5683.0, 5701.0, 5703.0, 5537.0, 5284.0, 5310.0, 5396.0, 5660.0, 5694.0, 5299.0, 5253.0, 5480.0, 5413.0, 5584.0, 5576.0, 5540.0, 5344.0, 5464.0, 5589.0, 5568.0, 5338.0, 5474.0, 5594.0, 5573.0, 5485.0, 5492.0, 5622.0, 5288.0, 5473.0, 5640.0, 5410.0, 5303.0, 5544.0, 5596.0, 5495.0, 5328.0, 5406.0, 5662.0, 5404.0, 5720.0 (number of hits: 12)
7	5530.0	9	1.0	333	1	5502.0, 5446.0, 5438.0, 5406.0, 5469.0, 5421.0, 5447.0, 5604.0, 5293.0, 5666.0, 5520.0, 5581.0, 5585.0, 5533.0, 5578.0, 5456.0, 5531.0, 5357.0, 5580.0, 5659.0, 5291.0, 5597.0, 5521.0, 5600.0, 5419.0, 5516.0, 5513.0, 5708.0, 5443.0, 5371.0, 5331.0, 5303.0, 5271.0, 5397.0, 5648.0, 5643.0, 5612.0, 5374.0, 5534.0, 5373.0, 5336.0, 5392.0, 5448.0, 5550.0, 5692.0, 5345.0, 5576.0, 5473.0, 5301.0, 5565.0, 5635.0, 5679.0, 5457.0, 5435.0, 5514.0, 5335.0, 5496.0, 5312.0, 5280.0, 5308.0, 5632.0, 5272.0, 5465.0, 5454.0, 5527.0, 5355.0, 5467.0, 5276.0, 5479.0, 5633.0, 5323.0, 5451.0, 5487.0, 5482.0, 5284.0, 5273.0, 5407.0, 5623.0, 5605.0, 5414.0, 5381.0, 5517.0, 5532.0, 5640.0, 5268.0, 5574.0, 5390.0, 5660.0, 5504.0, 5719.0, 5338.0, 5375.0, 5628.0, 5495.0, 5547.0, 5616.0, 5661.0, 5258.0, 5420.0, 5647.0 (number of hits: 18)
8	5530.0	9	1.0	333	1	5447.0, 5593.0, 5440.0, 5529.0, 5645.0, 5713.0, 5278.0, 5686.0, 5590.0, 5656.0, 5260.0, 5631.0, 5304.0, 5359.0, 5281.0, 5323.0, 5514.0, 5516.0, 5371.0, 5510.0, 5426.0, 5610.0, 5716.0, 5616.0, 5279.0, 5366.0, 5482.0, 5391.0, 5442.0, 5345.0, 5489.0, 5474.0, 5448.0, 5317.0, 5665.0, 5292.0, 5689.0, 5644.0, 5698.0, 5533.0, 5715.0, 5476.0, 5393.0, 5662.0, 5276.0, 5595.0, 5480.0, 5600.0, 5613.0, 5676.0, 5261.0, 5523.0, 5567.0, 5509.0, 5416.0, 5614.0, 5465.0, 5373.0, 5634.0, 5582.0, 5384.0, 5588.0, 5502.0, 5428.0, 5525.0, 5386.0, 5628.0, 5540.0, 5669.0, 5280.0, 5376.0, 5612.0, 5423.0, 5422.0, 5309.0, 5542.0, 5472.0, 5603.0, 5564.0, 5547.0, 5641.0, 5544.0, 5390.0, 5690.0, 5557.0, 5395.0, 5455.0, 5325.0, 5331.0, 5534.0, 5303.0, 5637.0, 5679.0, 5553.0, 5282.0, 5539.0, 5517.0, 5654.0, 5497.0, 5415.0 (number of hits: 20)
9	5530.0	9	1.0	333	1	5629.0, 5654.0, 5419.0, 5509.0, 5590.0, 5253.0, 5686.0, 5687.0, 5365.0, 5512.0, 5316.0, 5486.0, 5415.0, 5549.0, 5337.0, 5273.0, 5255.0, 5634.0, 5671.0, 5397.0, 5377.0, 5373.0, 5625.0, 5322.0, 5551.0, 5576.0, 5460.0, 5379.0, 5692.0, 5292.0, 5372.0, 5326.0, 5707.0, 5530.0, 5384.0, 5554.0, 5447.0, 5613.0, 5432.0, 5342.0, 5296.0, 5578.0, 5545.0, 5279.0, 5294.0, 5683.0, 5303.0, 5698.0, 5353.0, 5583.0, 5540.0, 5546.0, 5704.0, 5552.0, 5691.0, 5585.0, 5343.0, 5581.0, 5349.0, 5414.0, 5622.0, 5442.0, 5272.0, 5259.0, 5604.0, 5256.0, 5638.0, 5298.0, 5582.0, 5408.0, 5573.0, 5516.0, 5396.0, 5361.0, 5359.0, 5718.0, 5472.0, 5333.0, 5621.0, 5664.0, 5526.0, 5257.0, 5370.0, 5568.0, 5410.0, 5488.0, 5346.0, 5694.0, 5678.0, 5304.0, 5587.0, 5606.0, 5537.0, 5599.0, 5635.0, 5660.0,

						5674.0, 5439.0, 5560.0, 5315.0 (number of hits: 14)
10	5530.0	9	1.0	333	1	5557.0, 5686.0, 5258.0, 5679.0, 5632.0, 5662.0, 5331.0, 5363.0, 5352.0, 5559.0, 5640.0, 5671.0, 5604.0, 5562.0, 5257.0, 5540.0, 5613.0, 5705.0, 5649.0, 5431.0, 5583.0, 5469.0, 5553.0, 5341.0, 5675.0, 5290.0, 5312.0, 5328.0, 5261.0, 5576.0, 5441.0, 5542.0, 5321.0, 5678.0, 5386.0, 5628.0, 5307.0, 5289.0, 5627.0, 5691.0, 5599.0, 5325.0, 5251.0, 5720.0, 5360.0, 5701.0, 5521.0, 5550.0, 5483.0, 5560.0, 5703.0, 5636.0, 5607.0, 5577.0, 5324.0, 5373.0, 5499.0, 5453.0, 5485.0, 5646.0, 5581.0, 5255.0, 5520.0, 5397.0, 5495.0, 5351.0, 5535.0, 5262.0, 5464.0, 5598.0, 5301.0, 5443.0, 5272.0, 5403.0, 5651.0, 5309.0, 5504.0, 5493.0, 5556.0, 5461.0, 5347.0, 5300.0, 5416.0, 5348.0, 5264.0, 5428.0, 5509.0, 5418.0, 5482.0, 5708.0, 5518.0, 5526.0, 5543.0, 5335.0, 5616.0, 5465.0, 5486.0, 5487.0, 5706.0, 5440.0 (number of hits: 20)
11	5530.0	9	1.0	333	1	5276.0, 5556.0, 5695.0, 5262.0, 5641.0, 5515.0, 5573.0, 5444.0, 5375.0, 5478.0, 5528.0, 5651.0, 5494.0, 5557.0, 5295.0, 5685.0, 5549.0, 5561.0, 5608.0, 5509.0, 5587.0, 5506.0, 5591.0, 5627.0, 5378.0, 5618.0, 5359.0, 5648.0, 5546.0, 5410.0, 5502.0, 5364.0, 5344.0, 5484.0, 5448.0, 5490.0, 5493.0, 5518.0, 5540.0, 5269.0, 5605.0, 5654.0, 5487.0, 5590.0, 5419.0, 5507.0, 5418.0, 5313.0, 5706.0, 5377.0, 5455.0, 5562.0, 5548.0, 5285.0, 5513.0, 5673.0, 5322.0, 5315.0, 5569.0, 5577.0, 5369.0, 5393.0, 5551.0, 5355.0, 5356.0, 5500.0, 5290.0, 5656.0, 5644.0, 5395.0, 5394.0, 5602.0, 5680.0, 5294.0, 5614.0, 5526.0, 5367.0, 5579.0, 5628.0, 5464.0, 5722.0, 5697.0, 5317.0, 5667.0, 5621.0, 5568.0, 5586.0, 5527.0, 5572.0, 5653.0, 5292.0, 5350.0, 5421.0, 5411.0, 5717.0, 5334.0, 5297.0, 5708.0, 5445.0, 5362.0 (number of hits: 22)
12	5530.0	9	1.0	333	1	5464.0, 5351.0, 5386.0, 5303.0, 5298.0, 5583.0, 5467.0, 5364.0, 5449.0, 5500.0, 5535.0, 5474.0, 5650.0, 5290.0, 5259.0, 5366.0, 5484.0, 5380.0, 5267.0, 5600.0, 5518.0, 5427.0, 5632.0, 5580.0, 5691.0, 5256.0, 5610.0, 5266.0, 5349.0, 5489.0, 5556.0, 5438.0, 5509.0, 5636.0, 5575.0, 5501.0, 5422.0, 5626.0, 5709.0, 5558.0, 5696.0, 5628.0, 5487.0, 5581.0, 5662.0, 5321.0, 5308.0, 5619.0, 5604.0, 5527.0, 5705.0, 5393.0, 5505.0, 5332.0, 5293.0, 5466.0, 5455.0, 5383.0, 5704.0, 5595.0, 5647.0, 5406.0, 5420.0, 5627.0, 5331.0, 5270.0, 5278.0, 5508.0, 5649.0, 5645.0, 5573.0, 5458.0, 5462.0, 5599.0, 5708.0, 5395.0, 5660.0, 5281.0, 5613.0, 5335.0, 5658.0, 5648.0, 5397.0, 5444.0, 5670.0, 5424.0, 5700.0, 5560.0, 5590.0, 5282.0, 5524.0, 5370.0, 5522.0, 5368.0, 5304.0, 5414.0, 5588.0, 5265.0, 5381.0, 5659.0 (number of hits: 13)
13	5530.0	9	1.0	333	1	5422.0, 5713.0, 5720.0, 5504.0, 5362.0, 5273.0, 5454.0, 5598.0, 5494.0, 5333.0, 5635.0, 5398.0, 5594.0, 5396.0, 5474.0, 5290.0, 5393.0, 5433.0, 5591.0, 5676.0, 5363.0, 5559.0, 5674.0, 5585.0, 5322.0, 5264.0, 5392.0, 5355.0, 5281.0, 5628.0, 5413.0, 5447.0, 5263.0, 5265.0, 5582.0, 5260.0, 5308.0, 5501.0, 5288.0, 5671.0, 5551.0, 5541.0, 5384.0, 5361.0, 5542.0, 5679.0, 5580.0, 5631.0, 5309.0, 5375.0, 5566.0, 5462.0, 5450.0, 5680.0, 5351.0, 5350.0, 5465.0, 5380.0, 5690.0, 5301.0, 5373.0, 5285.0, 5367.0, 5448.0, 5364.0, 5379.0, 5554.0, 5427.0, 5336.0, 5529.0, 5358.0, 5275.0, 5376.0, 5593.0, 5531.0, 5669.0, 5519.0, 5487.0, 5528.0, 5337.0, 5492.0, 5543.0, 5546.0, 5314.0, 5319.0, 5340.0, 5614.0, 5489.0, 5515.0, 5496.0, 5681.0, 5708.0, 5709.0, 5253.0, 5287.0, 5588.0, 5665.0, 5587.0, 5524.0, 5597.0 (number of hits: 18)
14	5530.0	9	1.0	333	1	5705.0, 5537.0, 5426.0, 5260.0, 5320.0, 5498.0, 5555.0, 5701.0, 5378.0, 5557.0, 5666.0, 5614.0, 5609.0, 5376.0, 5686.0, 5338.0, 5648.0, 5394.0, 5585.0, 5458.0, 5576.0, 5402.0, 5718.0, 5715.0, 5390.0, 5695.0, 5604.0, 5663.0, 5388.0, 5350.0, 5392.0, 5333.0, 5694.0, 5582.0, 5519.0, 5599.0, 5439.0, 5472.0, 5644.0, 5510.0, 5668.0, 5372.0, 5366.0, 5340.0, 5625.0, 5283.0, 5313.0, 5454.0, 5581.0, 5584.0, 5660.0, 5653.0, 5596.0, 5254.0, 5417.0, 5501.0, 5674.0, 5315.0, 5669.0, 5720.0, 5358.0, 5651.0, 5556.0, 5570.0,

						5494.0, 5290.0, 5467.0, 5327.0, 5323.0, 5413.0, 5328.0, 5541.0, 5677.0, 5269.0, 5406.0, 5571.0, 5629.0, 5341.0, 5495.0, 5292.0, 5536.0, 5515.0, 5647.0, 5610.0, 5499.0, 5342.0, 5487.0, 5650.0, 5428.0, 5294.0, 5309.0, 5356.0, 5287.0, 5274.0, 5721.0, 5600.0, 5656.0, 5532.0, 5347.0, 5457.0 (number of hits: 15)
15	5530.0	9	1.0	333	1	5274.0, 5269.0, 5664.0, 5691.0, 5606.0, 5440.0, 5577.0, 5708.0, 5682.0, 5276.0, 5402.0, 5251.0, 5520.0, 5718.0, 5651.0, 5353.0, 5489.0, 5321.0, 5652.0, 5285.0, 5605.0, 5670.0, 5561.0, 5371.0, 5311.0, 5662.0, 5621.0, 5591.0, 5297.0, 5604.0, 5574.0, 5447.0, 5409.0, 5485.0, 5673.0, 5646.0, 5452.0, 5573.0, 5352.0, 5683.0, 5627.0, 5471.0, 5381.0, 5610.0, 5425.0, 5600.0, 5595.0, 5275.0, 5690.0, 5498.0, 5310.0, 5677.0, 5589.0, 5629.0, 5530.0, 5636.0, 5435.0, 5446.0, 5667.0, 5343.0, 5511.0, 5468.0, 5396.0, 5300.0, 5391.0, 5529.0, 5614.0, 5458.0, 5643.0, 5548.0, 5693.0, 5502.0, 5582.0, 5483.0, 5526.0, 5365.0, 5289.0, 5259.0, 5441.0, 5699.0, 5630.0, 5386.0, 5538.0, 5631.0, 5454.0, 5514.0, 5521.0, 5669.0, 5505.0, 5443.0, 5367.0, 5644.0, 5263.0, 5420.0, 5531.0, 5696.0, 5383.0, 5560.0, 5387.0, 5707.0 (number of hits: 15)
16	5530.0	9	1.0	333	1	5364.0, 5691.0, 5256.0, 5450.0, 5438.0, 5278.0, 5313.0, 5462.0, 5394.0, 5270.0, 5563.0, 5378.0, 5427.0, 5715.0, 5533.0, 5383.0, 5703.0, 5550.0, 5684.0, 5566.0, 5551.0, 5319.0, 5309.0, 5332.0, 5399.0, 5502.0, 5675.0, 5344.0, 5635.0, 5493.0, 5387.0, 5346.0, 5662.0, 5458.0, 5331.0, 5476.0, 5321.0, 5564.0, 5271.0, 5674.0, 5396.0, 5577.0, 5328.0, 5480.0, 5279.0, 5372.0, 5539.0, 5507.0, 5301.0, 5426.0, 5613.0, 5320.0, 5351.0, 5590.0, 5435.0, 5592.0, 5641.0, 5337.0, 5557.0, 5660.0, 5447.0, 5519.0, 5253.0, 5534.0, 5671.0, 5339.0, 5659.0, 5512.0, 5556.0, 5699.0, 5414.0, 5408.0, 5471.0, 5709.0, 5276.0, 5395.0, 5280.0, 5376.0, 5335.0, 5329.0, 5584.0, 5518.0, 5353.0, 5384.0, 5404.0, 5689.0, 5341.0, 5570.0, 5269.0, 5676.0, 5509.0, 5454.0, 5311.0, 5605.0, 5530.0, 5375.0, 5585.0, 5461.0, 5369.0, 5308.0 (number of hits: 18)
17	5530.0	9	1.0	333	1	5298.0, 5581.0, 5396.0, 5409.0, 5673.0, 5548.0, 5571.0, 5469.0, 5463.0, 5252.0, 5350.0, 5361.0, 5653.0, 5458.0, 5280.0, 5329.0, 5432.0, 5441.0, 5284.0, 5554.0, 5707.0, 5543.0, 5610.0, 5666.0, 5665.0, 5424.0, 5651.0, 5297.0, 5683.0, 5537.0, 5604.0, 5552.0, 5256.0, 5631.0, 5291.0, 5497.0, 5721.0, 5625.0, 5314.0, 5266.0, 5355.0, 5542.0, 5306.0, 5686.0, 5690.0, 5644.0, 5364.0, 5612.0, 5708.0, 5636.0, 5353.0, 5551.0, 5617.0, 5371.0, 5650.0, 5603.0, 5680.0, 5259.0, 5408.0, 5341.0, 5693.0, 5460.0, 5381.0, 5419.0, 5609.0, 5487.0, 5263.0, 5269.0, 5394.0, 5658.0, 5557.0, 5663.0, 5699.0, 5492.0, 5352.0, 5457.0, 5345.0, 5516.0, 5553.0, 5694.0, 5501.0, 5602.0, 5334.0, 5649.0, 5669.0, 5614.0, 5632.0, 5379.0, 5431.0, 5590.0, 5546.0, 5709.0, 5385.0, 5322.0, 5477.0, 5316.0, 5274.0, 5324.0, 5718.0, 5641.0 (number of hits: 13)
18	5530.0	9	1.0	333	1	5622.0, 5316.0, 5278.0, 5645.0, 5592.0, 5526.0, 5674.0, 5337.0, 5491.0, 5345.0, 5544.0, 5581.0, 5279.0, 5694.0, 5446.0, 5478.0, 5253.0, 5382.0, 5490.0, 5475.0, 5413.0, 5299.0, 5332.0, 5414.0, 5585.0, 5428.0, 5388.0, 5647.0, 5476.0, 5276.0, 5613.0, 5506.0, 5707.0, 5320.0, 5514.0, 5508.0, 5643.0, 5328.0, 5664.0, 5364.0, 5705.0, 5688.0, 5701.0, 5313.0, 5429.0, 5679.0, 5710.0, 5406.0, 5304.0, 5285.0, 5307.0, 5359.0, 5443.0, 5521.0, 5411.0, 5311.0, 5433.0, 5541.0, 5696.0, 5611.0, 5567.0, 5477.0, 5612.0, 5572.0, 5715.0, 5713.0, 5284.0, 5704.0, 5532.0, 5271.0, 5394.0, 5269.0, 5474.0, 5650.0, 5684.0, 5691.0, 5527.0, 5595.0, 5418.0, 5401.0, 5618.0, 5327.0, 5657.0, 5600.0, 5563.0, 5368.0, 5315.0, 5306.0, 5479.0, 5272.0, 5717.0, 5295.0, 5466.0, 5251.0, 5676.0, 5569.0, 5321.0, 5519.0, 5255.0, 5681.0 (number of hits: 11)
19	5530.0	9	1.0	333	1	5474.0, 5336.0, 5283.0, 5577.0, 5314.0, 5277.0, 5504.0, 5558.0, 5629.0, 5270.0, 5596.0, 5351.0, 5415.0, 5640.0, 5310.0, 5572.0, 5459.0, 5555.0, 5442.0, 5349.0, 5600.0, 5724.0, 5399.0, 5556.0, 5428.0, 5525.0, 5455.0, 5385.0, 5297.0, 5511.0, 5715.0, 5448.0,

						5414.0, 5623.0, 5381.0, 5545.0, 5282.0, 5273.0, 5482.0, 5255.0, 5311.0, 5265.0, 5375.0, 5530.0, 5492.0, 5458.0, 5406.0, 5497.0, 5720.0, 5340.0, 5532.0, 5346.0, 5444.0, 5520.0, 5633.0, 5294.0, 5372.0, 5494.0, 5559.0, 5695.0, 5579.0, 5407.0, 5565.0, 5475.0, 5690.0, 5460.0, 5337.0, 5434.0, 5315.0, 5684.0, 5374.0, 5616.0, 5598.0, 5377.0, 5606.0, 5468.0, 5271.0, 5634.0, 5528.0, 5304.0, 5691.0, 5672.0, 5506.0, 5542.0, 5714.0, 5607.0, 5295.0, 5257.0, 5335.0, 5591.0, 5716.0, 5331.0, 5327.0, 5299.0, 5518.0, 5309.0, 5546.0, 5498.0, 5286.0, 5421.0 (number of hits: 20)
20	5530.0	9	1.0	333	1	5299.0, 5444.0, 5453.0, 5631.0, 5520.0, 5671.0, 5497.0, 5291.0, 5622.0, 5312.0, 5309.0, 5427.0, 5412.0, 5388.0, 5319.0, 5713.0, 5510.0, 5495.0, 5277.0, 5490.0, 5569.0, 5562.0, 5665.0, 5575.0, 5703.0, 5625.0, 5602.0, 5274.0, 5264.0, 5252.0, 5266.0, 5351.0, 5632.0, 5603.0, 5341.0, 5652.0, 5276.0, 5612.0, 5404.0, 5421.0, 5548.0, 5370.0, 5308.0, 5386.0, 5371.0, 5317.0, 5326.0, 5376.0, 5329.0, 5265.0, 5466.0, 5437.0, 5586.0, 5293.0, 5584.0, 5531.0, 5720.0, 5387.0, 5446.0, 5663.0, 5650.0, 5686.0, 5677.0, 5423.0, 5270.0, 5557.0, 5664.0, 5338.0, 5373.0, 5685.0, 5478.0, 5551.0, 5627.0, 5489.0, 5432.0, 5346.0, 5506.0, 5521.0, 5545.0, 5307.0, 5439.0, 5512.0, 5579.0, 5322.0, 5672.0, 5608.0, 5525.0, 5253.0, 5343.0, 5675.0, 5566.0, 5692.0, 5413.0, 5638.0, 5436.0, 5563.0, 5369.0, 5339.0, 5532.0, 5554.0 (number of hits: 18)
21	5530.0	9	1.0	333	1	5412.0, 5690.0, 5270.0, 5407.0, 5442.0, 5419.0, 5283.0, 5672.0, 5401.0, 5715.0, 5293.0, 5304.0, 5556.0, 5621.0, 5686.0, 5524.0, 5465.0, 5440.0, 5434.0, 5319.0, 5287.0, 5336.0, 5338.0, 5695.0, 5567.0, 5681.0, 5534.0, 5291.0, 5648.0, 5676.0, 5660.0, 5411.0, 5521.0, 5261.0, 5432.0, 5358.0, 5337.0, 5709.0, 5629.0, 5628.0, 5455.0, 5721.0, 5483.0, 5285.0, 5647.0, 5356.0, 5274.0, 5492.0, 5389.0, 5569.0, 5251.0, 5535.0, 5414.0, 5575.0, 5349.0, 5381.0, 5316.0, 5441.0, 5329.0, 5706.0, 5710.0, 5361.0, 5554.0, 5430.0, 5509.0, 5493.0, 5579.0, 5558.0, 5374.0, 5712.0, 5588.0, 5530.0, 5272.0, 5397.0, 5359.0, 5671.0, 5348.0, 5286.0, 5611.0, 5522.0, 5520.0, 5501.0, 5663.0, 5331.0, 5345.0, 5302.0, 5582.0, 5505.0, 5617.0, 5484.0, 5673.0, 5655.0, 5450.0, 5263.0, 5321.0, 5268.0, 5342.0, 5643.0, 5637.0, 5282.0 (number of hits: 14)
22	5530.0	9	1.0	333	1	5575.0, 5281.0, 5296.0, 5336.0, 5547.0, 5613.0, 5307.0, 5443.0, 5442.0, 5640.0, 5387.0, 5425.0, 5607.0, 5297.0, 5698.0, 5489.0, 5305.0, 5472.0, 5533.0, 5386.0, 5628.0, 5674.0, 5696.0, 5278.0, 5530.0, 5464.0, 5469.0, 5318.0, 5691.0, 5488.0, 5341.0, 5589.0, 5479.0, 5378.0, 5528.0, 5391.0, 5646.0, 5355.0, 5568.0, 5363.0, 5405.0, 5447.0, 5558.0, 5288.0, 5714.0, 5353.0, 5671.0, 5659.0, 5656.0, 5471.0, 5276.0, 5527.0, 5621.0, 5432.0, 5665.0, 5672.0, 5456.0, 5294.0, 5401.0, 5283.0, 5695.0, 5649.0, 5594.0, 5721.0, 5675.0, 5550.0, 5635.0, 5293.0, 5512.0, 5354.0, 5254.0, 5299.0, 5384.0, 5344.0, 5423.0, 5453.0, 5597.0, 5567.0, 5510.0, 5270.0, 5559.0, 5403.0, 5570.0, 5525.0, 5492.0, 5686.0, 5331.0, 5541.0, 5419.0, 5417.0, 5465.0, 5618.0, 5511.0, 5689.0, 5370.0, 5591.0, 5546.0, 5534.0, 5332.0, 5435.0 (number of hits: 15)
23	5530.0	9	1.0	333	1	5557.0, 5482.0, 5278.0, 5527.0, 5714.0, 5422.0, 5584.0, 5277.0, 5693.0, 5525.0, 5563.0, 5504.0, 5329.0, 5715.0, 5304.0, 5577.0, 5494.0, 5608.0, 5405.0, 5280.0, 5483.0, 5390.0, 5342.0, 5290.0, 5423.0, 5459.0, 5706.0, 5502.0, 5683.0, 5401.0, 5486.0, 5673.0, 5558.0, 5611.0, 5321.0, 5464.0, 5692.0, 5341.0, 5635.0, 5313.0, 5658.0, 5627.0, 5362.0, 5616.0, 5495.0, 5274.0, 5302.0, 5626.0, 5492.0, 5282.0, 5473.0, 5534.0, 5545.0, 5723.0, 5254.0, 5680.0, 5615.0, 5426.0, 5634.0, 5594.0, 5467.0, 5366.0, 5485.0, 5301.0, 5271.0, 5530.0, 5625.0, 5664.0, 5397.0, 5574.0, 5499.0, 5657.0, 5442.0, 5551.0, 5276.0, 5547.0, 5386.0, 5340.0, 5513.0, 5596.0, 5430.0, 5700.0, 5498.0, 5308.0, 5252.0, 5444.0, 5520.0, 5578.0, 5568.0, 5457.0, 5493.0, 5613.0, 5298.0, 5375.0, 5385.0, 5263.0, 5295.0, 5419.0, 5660.0, 5357.0 (number of hits: 19)

24	5530.0	9	1.0	333	1	5640.0, 5675.0, 5365.0, 5669.0, 5376.0, 5475.0, 5646.0, 5428.0, 5413.0, 5629.0, 5477.0, 5272.0, 5446.0, 5330.0, 5674.0, 5297.0, 5345.0, 5575.0, 5385.0, 5471.0, 5357.0, 5529.0, 5271.0, 5570.0, 5257.0, 5265.0, 5672.0, 5381.0, 5304.0, 5493.0, 5602.0, 5296.0, 5288.0, 5369.0, 5673.0, 5415.0, 5576.0, 5465.0, 5553.0, 5478.0, 5648.0, 5309.0, 5556.0, 5334.0, 5540.0, 5714.0, 5718.0, 5306.0, 5519.0, 5568.0, 5500.0, 5326.0, 5592.0, 5543.0, 5277.0, 5321.0, 5372.0, 5526.0, 5719.0, 5698.0, 5509.0, 5605.0, 5289.0, 5285.0, 5528.0, 5539.0, 5625.0, 5694.0, 5607.0, 5677.0, 5591.0, 5325.0, 5455.0, 5612.0, 5462.0, 5689.0, 5458.0, 5403.0, 5437.0, 5463.0, 5663.0, 5411.0, 5394.0, 5391.0, 5573.0, 5639.0, 5452.0, 5282.0, 5472.0, 5274.0, 5501.0, 5299.0, 5632.0, 5424.0, 5652.0, 5351.0, 5435.0, 5346.0, 5644.0, 5276.0 (number of hits: 13)
25	5530.0	9	1.0	333	1	5610.0, 5550.0, 5663.0, 5254.0, 5329.0, 5274.0, 5535.0, 5286.0, 5615.0, 5592.0, 5719.0, 5703.0, 5575.0, 5655.0, 5451.0, 5684.0, 5482.0, 5588.0, 5448.0, 5419.0, 5339.0, 5548.0, 5724.0, 5328.0, 5680.0, 5573.0, 5488.0, 5685.0, 5583.0, 5695.0, 5619.0, 5565.0, 5304.0, 5490.0, 5276.0, 5403.0, 5331.0, 5648.0, 5623.0, 5441.0, 5576.0, 5288.0, 5319.0, 5379.0, 5294.0, 5527.0, 5429.0, 5377.0, 5348.0, 5483.0, 5645.0, 5611.0, 5547.0, 5320.0, 5386.0, 5609.0, 5411.0, 5326.0, 5543.0, 5531.0, 5351.0, 5591.0, 5342.0, 5332.0, 5425.0, 5698.0, 5686.0, 5394.0, 5644.0, 5262.0, 5406.0, 5516.0, 5279.0, 5370.0, 5532.0, 5596.0, 5552.0, 5625.0, 5455.0, 5513.0, 5433.0, 5691.0, 5400.0, 5402.0, 5541.0, 5507.0, 5409.0, 5261.0, 5302.0, 5717.0, 5303.0, 5378.0, 5568.0, 5525.0, 5670.0, 5263.0, 5598.0, 5366.0, 5318.0, 5522.0 (number of hits: 16)
26	5530.0	9	1.0	333	1	5509.0, 5708.0, 5479.0, 5650.0, 5430.0, 5537.0, 5422.0, 5645.0, 5473.0, 5394.0, 5487.0, 5441.0, 5502.0, 5397.0, 5613.0, 5552.0, 5594.0, 5581.0, 5592.0, 5606.0, 5402.0, 5252.0, 5624.0, 5649.0, 5263.0, 5511.0, 5701.0, 5343.0, 5445.0, 5459.0, 5279.0, 5570.0, 5411.0, 5482.0, 5271.0, 5354.0, 5629.0, 5682.0, 5264.0, 5414.0, 5607.0, 5265.0, 5560.0, 5250.0, 5437.0, 5333.0, 5277.0, 5706.0, 5548.0, 5477.0, 5559.0, 5393.0, 5648.0, 5531.0, 5293.0, 5425.0, 5578.0, 5723.0, 5340.0, 5576.0, 5500.0, 5657.0, 5579.0, 5626.0, 5306.0, 5573.0, 5457.0, 5339.0, 5338.0, 5490.0, 5412.0, 5689.0, 5336.0, 5586.0, 5345.0, 5539.0, 5392.0, 5446.0, 5608.0, 5386.0, 5503.0, 5381.0, 5547.0, 5462.0, 5308.0, 5597.0, 5549.0, 5680.0, 5696.0, 5407.0, 5693.0, 5705.0, 5451.0, 5350.0, 5276.0, 5508.0, 5567.0, 5564.0, 5543.0, 5284.0 (number of hits: 17)
27	5530.0	9	1.0	333	1	5432.0, 5440.0, 5719.0, 5464.0, 5720.0, 5266.0, 5694.0, 5315.0, 5552.0, 5310.0, 5682.0, 5300.0, 5336.0, 5605.0, 5691.0, 5568.0, 5581.0, 5600.0, 5386.0, 5702.0, 5442.0, 5619.0, 5501.0, 5290.0, 5423.0, 5329.0, 5582.0, 5717.0, 5461.0, 5646.0, 5439.0, 5380.0, 5661.0, 5322.0, 5325.0, 5553.0, 5687.0, 5457.0, 5347.0, 5436.0, 5535.0, 5351.0, 5635.0, 5433.0, 5597.0, 5333.0, 5606.0, 5448.0, 5327.0, 5701.0, 5298.0, 5265.0, 5595.0, 5301.0, 5418.0, 5397.0, 5528.0, 5575.0, 5562.0, 5550.0, 5561.0, 5677.0, 5526.0, 5488.0, 5490.0, 5491.0, 5599.0, 5648.0, 5337.0, 5715.0, 5412.0, 5344.0, 5686.0, 5709.0, 5544.0, 5505.0, 5452.0, 5308.0, 5280.0, 5659.0, 5313.0, 5302.0, 5404.0, 5401.0, 5291.0, 5493.0, 5585.0, 5398.0, 5382.0, 5651.0, 5470.0, 5515.0, 5258.0, 5551.0, 5633.0, 5607.0, 5473.0, 5267.0, 5422.0, 5276.0 (number of hits: 14)
28	5530.0	9	1.0	333	1	5399.0, 5599.0, 5651.0, 5580.0, 5596.0, 5530.0, 5309.0, 5305.0, 5673.0, 5310.0, 5605.0, 5476.0, 5551.0, 5335.0, 5720.0, 5457.0, 5528.0, 5671.0, 5487.0, 5563.0, 5666.0, 5598.0, 5607.0, 5575.0, 5612.0, 5343.0, 5613.0, 5523.0, 5658.0, 5500.0, 5375.0, 5428.0, 5277.0, 5355.0, 5292.0, 5431.0, 5286.0, 5311.0, 5429.0, 5446.0, 5489.0, 5426.0, 5481.0, 5273.0, 5448.0, 5440.0, 5665.0, 5679.0, 5250.0, 5571.0, 5664.0, 5677.0, 5396.0, 5717.0, 5322.0, 5670.0, 5389.0, 5376.0, 5517.0, 5560.0, 5270.0, 5624.0, 5461.0, 5527.0, 5711.0, 5704.0, 5661.0, 5647.0, 5519.0, 5618.0, 5526.0, 5416.0,

						5449.0, 5604.0, 5482.0, 5716.0, 5293.0, 5616.0, 5350.0, 5680.0, 5339.0, 5424.0, 5559.0, 5484.0, 5358.0, 5442.0, 5597.0, 5289.0, 5709.0, 5352.0, 5548.0, 5391.0, 5307.0, 5496.0, 5546.0, 5483.0, 5413.0, 5275.0, 5422.0, 5278.0 (number of hits: 15)
29	5530.0	9	1.0	333	1	5701.0, 5536.0, 5574.0, 5340.0, 5694.0, 5603.0, 5282.0, 5653.0, 5335.0, 5512.0, 5530.0, 5596.0, 5402.0, 5698.0, 5515.0, 5316.0, 5478.0, 5286.0, 5298.0, 5332.0, 5541.0, 5366.0, 5291.0, 5441.0, 5445.0, 5560.0, 5709.0, 5343.0, 5558.0, 5531.0, 5710.0, 5713.0, 5645.0, 5644.0, 5655.0, 5667.0, 5639.0, 5327.0, 5666.0, 5306.0, 5330.0, 5464.0, 5487.0, 5370.0, 5353.0, 5424.0, 5491.0, 5318.0, 5443.0, 5425.0, 5607.0, 5630.0, 5262.0, 5302.0, 5505.0, 5570.0, 5321.0, 5453.0, 5469.0, 5518.0, 5647.0, 5408.0, 5600.0, 5484.0, 5359.0, 5595.0, 5273.0, 5467.0, 5623.0, 5428.0, 5320.0, 5481.0, 5276.0, 5695.0, 5376.0, 5493.0, 5417.0, 5409.0, 5584.0, 5494.0, 5292.0, 5692.0, 5451.0, 5513.0, 5686.0, 5557.0, 5466.0, 5562.0, 5613.0, 5311.0, 5689.0, 5432.0, 5489.0, 5656.0, 5403.0, 5280.0, 5638.0, 5373.0, 5290.0, 5260.0 (number of hits: 15)
30	5530.0	9	1.0	333	1	5658.0, 5478.0, 5691.0, 5331.0, 5608.0, 5438.0, 5423.0, 5261.0, 5723.0, 5509.0, 5720.0, 5453.0, 5607.0, 5673.0, 5273.0, 5497.0, 5657.0, 5632.0, 5699.0, 5619.0, 5283.0, 5470.0, 5435.0, 5668.0, 5550.0, 5542.0, 5295.0, 5425.0, 5628.0, 5486.0, 5609.0, 5610.0, 5452.0, 5468.0, 5485.0, 5317.0, 5271.0, 5329.0, 5654.0, 5363.0, 5323.0, 5328.0, 5590.0, 5278.0, 5294.0, 5348.0, 5264.0, 5592.0, 5464.0, 5371.0, 5450.0, 5373.0, 5284.0, 5532.0, 5339.0, 5596.0, 5426.0, 5494.0, 5576.0, 5356.0, 5641.0, 5651.0, 5260.0, 5384.0, 5480.0, 5711.0, 5350.0, 5502.0, 5493.0, 5349.0, 5666.0, 5560.0, 5397.0, 5298.0, 5522.0, 5437.0, 5669.0, 5361.0, 5366.0, 5701.0, 5307.0, 5540.0, 5301.0, 5319.0, 5698.0, 5351.0, 5475.0, 5567.0, 5642.0, 5262.0, 5257.0, 5401.0, 5360.0, 5689.0, 5697.0, 5304.0, 5330.0, 5556.0, 5369.0, 5541.0 (number of hits: 13)

P2MP Client Mode
Pine Radio

5570 MHz, 160 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	90 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	70 %	60%	Pass
Aggregate (Type1 to 4)	120	81.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

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

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	99	1.0	538	1
2	61	1.0	878	1
3	58	1.0	918	0
4	89	1.0	598	1
5	59	1.0	898	1
6	95	1.0	558	0
7	70	1.0	758	1
8	67	1.0	798	0
9	57	1.0	938	1
10	68	1.0	778	1
11	18	1.0	3066	1
12	86	1.0	618	1
13	76	1.0	698	1
14	81	1.0	658	1
15	92	1.0	578	1
16	19	1.0	2890	1
17	28	1.0	1931	1
18	39	1.0	1379	1
19	28	1.0	1946	1
20	24	1.0	2200	1
21	83	1.0	637	1
22	97	1.0	545	1
23	22	1.0	2430	1
24	98	1.0	539	1
25	33	1.0	1632	1
26	21	1.0	2621	1
27	24	1.0	2233	1
28	42	1.0	1266	1
29	18	1.0	2941	1
30	30	1.0	1788	1
Detection Percentage: 90 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	29	3.5	230	1
2	29	1.6	198	1
3	28	5.0	221	1
4	28	2.9	205	1
5	24	1.2	175	1
6	29	4.9	218	1
7	27	2.0	171	1
8	26	1.7	151	1
9	28	4.1	227	1
10	25	1.6	226	1
11	23	1.4	220	1
12	28	1.0	200	1
13	27	4.1	175	1
14	28	2.2	164	1
15	23	3.4	207	0
16	23	4.5	172	1
17	23	1.5	152	1
18	23	3.7	224	1
19	29	1.9	206	1
20	25	1.5	158	0
21	25	1.6	223	1
22	29	4.4	162	0
23	26	2.5	151	0
24	28	2.6	209	1
25	24	4.1	155	0
26	26	3.9	165	1
27	29	3.8	178	1
28	28	3.8	182	1
29	24	1.8	156	1
30	29	3.2	177	1
Detection Percentage: 83.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	17	6.3	333	1
2	18	8.4	393	1
3	16	8.8	324	1
4	18	9.2	366	0
5	16	6.2	372	1
6	17	8.0	229	1
7	17	7.3	480	1
8	18	6.4	482	1
9	18	7.2	269	1
10	16	9.9	348	1
11	18	6.1	317	1
12	17	7.0	244	1
13	16	6.4	433	1
14	16	8.9	385	1
15	16	8.5	268	1
16	17	6.6	297	1
17	18	8.1	278	0
18	18	7.7	212	1
19	17	9.8	467	1
20	18	9.7	349	1
21	16	8.5	314	0
22	17	6.1	350	1
23	16	8.8	455	1
24	16	6.6	254	1
25	17	7.5	268	1
26	18	6.1	272	1
27	16	6.4	225	1
28	17	8.3	485	1
29	16	9.4	393	0
30	16	9.7	475	0
Detection Percentage: 83.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	12	18.2	292	0
2	16	17.5	291	0
3	16	12.7	237	1
4	16	17.4	252	1
5	13	18.4	456	1
6	13	13.8	402	1
7	12	16.1	263	1
8	12	13.0	365	1
9	12	14.9	268	0
10	16	14.3	420	1
11	14	19.9	415	1
12	16	18.4	321	1
13	16	19.8	330	1
14	13	12.4	377	0
15	16	14.8	399	0
16	14	18.6	287	1
17	14	14.2	402	1
18	14	16.4	461	1
19	15	14.9	389	0
20	15	11.5	287	1
21	16	12.3	474	1
22	15	12.4	305	0
23	13	15.8	386	1
24	16	19.0	220	1
25	16	16.9	285	1
26	16	17.2	228	1
27	16	13.1	398	0
28	15	12.3	455	1
29	16	14.3	254	1
30	14	14.7	376	0
Detection Percentage: 70 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5570.0	1
2	5570.0	1
3	5570.0	1
4	5570.0	1
5	5570.0	1
6	5570.0	1
7	5570.0	1
8	5570.0	1
9	5570.0	1
10	5570.0	1
11	5496.1	1
12	5494.9	1
13	5500.1	1
14	5498.1	1
15	5496.9	1
16	5494.9	1
17	5498.5	1
18	5500.1	1
19	5498.9	1
20	5494.9	1
21	5644.7	1
22	5643.1	1
23	5642.3	1
24	5640.3	1
25	5640.3	1
26	5644.3	1
27	5642.3	1
28	5642.3	1
29	5641.9	1
30	5642.3	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	83.8	1770	1935	0.366391	1
1	3	14	86.8	1185	1903	0.770941	
2	3	14	97.9	1236	1964	1.915983	
3	1	14	57.8			2.291324	
4	1	14	84.1			3.177988	
5	3	14	90.9	1456	1585	3.671844	
6	3	14	88.9	1124	1371	4.208771	
7	2	14	56.0	1707		5.121499	
8	2	14	55.3	1187		5.984353	
9	2	14	68.2	1503		6.292860	
10	2	14	82.2	1006		7.307133	
11	2	14	76.8	1877		7.358061	
12	3	14	80.4	1244	1772	8.657400	
13	3	14	95.0	1575	1260	9.161089	
14	2	14	87.8	1923		9.961021	
15	1	14	76.8			10.301953	
16	1	14	78.9			10.716741	
17	3	14	74.5	1001	1469	11.735106	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	7	79.7	1294		0.476403	1
1	3	7	88.2	1133	1871	1.484005	
2	2	7	84.4	1231		1.842843	
3	2	7	74.0	1069		3.116001	
4	1	7	76.9			3.954078	
5	3	7	74.4	1802	1739	4.360214	
6	2	7	72.7	1672		4.877935	
7	1	7	77.3			6.393830	
8	1	7	92.1			6.543783	
9	2	7	88.5	1510		7.239070	
10	2	7	50.5	1638		8.557615	
11	3	7	93.5	1289	1574	8.809415	
12	3	7	84.4	1792	1088	10.217714	
13	2	7	90.2	1501		10.985265	
14	2	7	65.5	1750		11.481773	

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	12	68.1	1809		0.320581	1
1	1	12	95.2			1.362260	
2	1	12	54.7			2.156455	
3	1	12	62.7			2.260555	
4	2	12	76.7	1305		3.660487	
5	1	12	95.1			4.105653	
6	2	12	53.5	1502		4.770303	
7	2	12	52.9	1020		5.647956	
8	2	12	89.5	1630		6.306913	
9	2	12	78.6	1785		7.408364	
10	2	12	83.0	1397		7.574272	
11	2	12	62.6	1995		8.987066	
12	2	12	89.6	1269		9.406194	
13	3	12	76.0	1857	1107	10.259515	
14	2	12	84.0	1721		11.178380	
15	2	12	99.4	1974		11.686483	

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	10	89.9	1256		0.588289	1
1	3	10	98.4	1200	1465	0.966652	
2	2	10	53.3	1507		1.723007	
3	2	10	63.7	1809		3.111274	
4	1	10	75.8			3.833977	
5	2	10	51.4	1957		4.260519	
6	1	10	88.1			5.455438	
7	2	10	95.4	1563		6.097068	
8	2	10	56.7	1691		6.448751	
9	3	10	60.3	1713	1541	7.897079	
10	2	10	78.8	1219		8.456536	
11	2	10	56.9	1251		9.415189	
12	1	10	66.4			9.712621	
13	2	10	95.4	1239		10.994935	
14	1	10	87.2			11.214460	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	99.6	1555		0.610925	1
1	1	11	82.0			1.757117	
2	3	11	81.7	1191	1162	2.501856	
3	2	11	95.6	1223		3.360583	
4	1	11	97.0			4.948093	
5	2	11	72.2	1044		5.519106	
6	2	11	59.9	1199		6.112121	
7	1	11	73.4			7.162180	
8	2	11	57.6	1940		8.740852	
9	2	11	89.4	1924		9.839804	
10	2	11	69.9	1383		10.574699	
11	2	11	78.3	1515		11.848714	

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	14	51.8	1676		0.314252	1
1	1	14	92.0			0.981794	
2	2	14	86.4	1105		1.520411	
3	3	14	67.1	1726	1796	1.838592	
4	2	14	98.6	1843		2.829130	
5	1	14	87.1			3.117909	
6	2	14	97.5	1605		3.668747	
7	1	14	95.7			4.730217	
8	3	14	75.1	1320	1813	4.826177	
9	1	14	83.3			5.741008	
10	2	14	94.5	1133		6.478087	
11	2	14	56.6	1014		7.178565	
12	3	14	86.3	1168	1242	7.261930	
13	3	14	85.4	1936	1716	7.844287	
14	2	14	92.4	1609		8.415312	
15	2	14	58.3	1346		9.146818	
16	2	14	73.3	1257		9.793764	
17	2	14	91.8	1597		10.486786	
18	2	14	68.8	1536		11.016213	
19	2	14	52.1	1525		11.791909	

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	9	54.2	1770		0.091245	1
1	2	9	50.4	1805		0.994309	
2	3	9	73.4	1939	1045	1.404472	
3	1	9	93.2			2.064950	
4	1	9	90.1			3.158200	
5	2	9	78.2	1212		3.924303	
6	2	9	55.2	1302		4.241145	
7	2	9	60.4	1909		4.832599	
8	1	9	97.1			5.885433	
9	3	9	82.6	1644	1594	6.611029	
10	2	9	67.8	1404		6.903111	
11	3	9	70.0	1745	1750	7.949701	
12	3	9	79.9	1359	1716	8.221515	
13	2	9	90.3	1013		8.676241	
14	3	9	98.4	1784	1095	9.881186	
15	1	9	66.9			10.256015	
16	3	9	85.4	1736	1100	11.152767	
17	2	9	95.8	1030		11.606702	

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	59.3	1904		0.100139	
1	2	8	70.9	1656		0.798575	
2	2	8	56.0	1351		1.860518	
3	1	8	79.6			2.246018	
4	1	8	87.8			2.658816	
5	2	8	95.4	1009		3.438868	
6	2	8	94.9	1380		4.087475	
7	3	8	99.7	1167	1451	4.788564	
8	2	8	95.4	1586		5.393965	
9	1	8	97.9			5.885098	1
10	2	8	92.0	1565		6.417251	
11	2	8	54.5	1643		7.173916	
12	2	8	62.5	1716		7.672211	
13	1	8	65.1			8.454893	
14	2	8	97.0	1662		9.391979	
15	2	8	70.2	1884		9.992178	
16	2	8	63.6	1268		10.437462	
17	2	8	87.2	1066		11.070415	
18	2	8	55.9	1856		11.408617	

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	15	70.5	1545	1538	0.425152	1
1	2	15	95.7	1646		1.279233	
2	2	15	90.4	1563		1.654321	
3	2	15	77.6	1302		2.529836	
4	3	15	61.2	1030	1927	2.990587	
5	2	15	94.4	1193		3.607198	
6	1	15	59.2			4.041251	
7	3	15	98.7	1945	1365	5.095214	
8	1	15	80.8			5.972236	
9	2	15	58.2	1085		6.126059	
10	3	15	67.9	1676	1491	7.155301	
11	2	15	73.4	1737		7.375440	
12	2	15	70.6	1138		8.560203	
13	2	15	94.9	1961		9.149694	
14	2	15	67.3	1913		9.732505	
15	2	15	82.5	1102		10.363436	
16	1	15	72.8			10.735454	
17	2	15	91.7	1281		11.746192	

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	70.5	1309	1785	0.408526	1
1	1	14	71.1			1.780090	
2	2	14	50.5	1713		2.350314	
3	1	14	53.8			4.218678	
4	2	14	90.9	1309		4.944205	
5	2	14	83.1	1721		5.800422	
6	2	14	68.5	1265		7.128599	
7	2	14	72.1	1290		7.698141	
8	3	14	56.0	1856	1725	9.481362	
9	2	14	89.9	1761		10.557535	
10	2	14	79.3	1698		11.745732	

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	9	82.1	1655		0.509899	1
1	2	9	74.6	1606		1.331275	
2	2	9	99.6	1043		2.694084	
3	2	9	93.5	1846		3.631960	
4	2	9	65.7	1118		4.566799	
5	2	9	76.8	1463		6.351270	
6	3	9	83.8	1391	1760	7.510964	
7	2	9	72.0	1754		7.859568	
8	1	9	58.4			9.052140	
9	2	9	71.4	1101		10.066487	
10	2	9	68.0	1125		10.978016	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	88.4			0.139449	1
1	2	6	99.7	1991		2.864596	
2	2	6	52.2	1216		4.125981	
3	1	6	86.2			5.565097	
4	2	6	90.7	1999		6.500269	
5	1	6	65.1			8.358310	
6	2	6	53.9	1621		9.633138	
7	3	6	99.9	1297	1876	11.035032	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	51.7			1.038919	1
1	3	19	52.7	1457	1296	2.574035	
2	2	19	89.6	1205		3.456359	
3	1	19	83.7			4.438624	
4	2	19	89.2	1975		6.614934	
5	2	19	77.8	1134		7.686293	
6	1	19	59.5			8.043920	
7	1	19	90.8			10.492355	
8	2	19	81.9	1788		11.564866	

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	14	75.1			0.586809	1
1	3	14	67.7	1084	1848	1.540660	
2	2	14	66.2	1593		2.019030	
3	1	14	92.7			2.579498	
4	2	14	98.1	1770		3.709138	
5	3	14	97.8	1933	1166	4.843481	
6	3	14	94.0	1367	1444	5.186848	
7	1	14	95.6			6.007447	
8	3	14	86.6	1349	1810	7.323692	
9	2	14	74.9	1861		8.446025	
10	1	14	88.8			9.295107	
11	2	14	93.0	1663		10.016920	
12	2	14	50.4	1971		10.535989	
13	3	14	63.9	1329	1580	11.541106	

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	11	70.0	1846		0.018252	1
1	2	11	53.7	1581		1.253466	
2	2	11	50.2	1562		2.065075	
3	1	11	62.7			2.664229	
4	2	11	51.3	1174		3.267370	
5	1	11	96.0			4.461535	
6	2	11	53.1	1545		5.131028	
7	1	11	92.7			5.837232	
8	1	11	77.3			6.117774	
9	1	11	94.6			7.155501	
10	2	11	75.6	1508		8.061487	
11	3	11	96.5	1464	1647	8.460857	
12	3	11	58.0	1970	1212	9.616145	
13	3	11	58.1	1742	1721	10.036164	
14	2	11	73.0	1705		11.140724	
15	1	11	71.9			11.606337	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	89.0	1864		0.702015	1
1	2	6	96.6	1128		1.098454	
2	2	6	58.4	1664		1.902844	
3	1	6	56.1			2.730220	
4	2	6	58.9	1409		4.266347	
5	2	6	79.9	1946		4.539668	
6	2	6	78.4	1089		5.963558	
7	2	6	57.3	1335		6.461482	
8	3	6	59.0	1346	1270	7.490303	
9	3	6	61.7	1315	1955	8.508909	
10	2	6	51.7	1881		8.975802	
11	2	6	76.8	1478		9.900511	
12	1	6	71.1			10.614489	
13	2	6	67.1	1980		11.957882	

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	15	53.6	1011	1269	0.644237	1
1	2	15	57.4	1829		1.174005	
2	1	15	51.3			2.503828	
3	2	15	57.8	1512		3.958502	
4	2	15	88.0	1710		4.799797	
5	1	15	83.7			5.353803	
6	2	15	82.6	1510		6.110542	
7	3	15	80.7	1638	1609	7.682365	
8	3	15	93.7	1356	1993	8.420526	
9	2	15	98.1	1800		9.949538	
10	1	15	64.5			10.564975	
11	1	15	71.1			11.080667	

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	19	86.1	1523	1223	0.247960	1
1	3	19	85.5	1868	1012	2.056213	
2	1	19	75.7			2.625883	
3	2	19	75.3	1833		3.848996	
4	2	19	91.3	1300		5.375615	
5	3	19	80.4	1625	1055	6.045367	
6	2	19	86.1	1773		8.122053	
7	1	19	60.2			8.723348	
8	3	19	60.6	1020	1052	10.152770	
9	2	19	88.2	1926		11.635459	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	58.9	1132		0.183588	
1	1	16	82.4			0.638123	
2	2	16	62.0	1280		1.760906	
3	3	16	95.7	1299	1452	2.124953	
4	2	16	71.3	1736		2.647544	
5	3	16	72.7	1297	1645	3.400174	
6	2	16	80.6	1082		4.180022	
7	2	16	86.9	1185		5.010610	
8	1	16	56.5			5.144132	
9	1	16	72.6			6.187928	1
10	2	16	96.7	1168		6.475908	
11	2	16	92.9	1305		7.072096	
12	2	16	62.4	1609		7.698958	
13	2	16	75.5	1585		8.260759	
14	2	16	75.6	1745		9.263754	
15	1	16	87.8			9.773503	
16	2	16	89.8	1190		10.463079	
17	1	16	83.0			11.309499	
18	1	16	98.5			11.610398	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	84.7	1356		0.565137	
1	1	6	55.2			0.925181	
2	3	6	89.3	1206	1798	1.441975	
3	2	6	77.9	1216		1.908202	
4	3	6	53.9	1880	1448	3.145867	
5	2	6	56.3	1877		3.473791	
6	2	6	64.7	1513		4.078642	
7	1	6	92.4			4.837781	
8	2	6	81.2	1172		5.546155	
9	1	6	98.9			5.842877	1
10	3	6	64.1	1869	1557	6.567901	
11	1	6	57.9			7.320452	
12	2	6	85.8	1563		7.739694	
13	2	6	92.5	1030		8.623570	
14	2	6	87.5	1853		9.270938	
15	1	6	94.2			9.982248	
16	2	6	87.0	1692		10.495124	
17	2	6	96.7	1034		11.078391	
18	3	6	92.7	1763	1204	11.982877	

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	3	7	55.4	1130	1351	0.598899	1
1	2	7	81.2	1735		1.083904	
2	2	7	93.4	1909		1.865853	
3	1	7	82.2			3.020747	
4	3	7	57.3	1348	1620	4.149199	
5	1	7	51.6			4.942076	
6	1	7	83.8			5.417259	
7	2	7	69.4	1868		6.110437	
8	1	7	70.0			6.932470	
9	2	7	58.5	1583		7.732723	
10	2	7	85.9	1142		9.416501	
11	2	7	72.5	1546		10.144729	
12	1	7	58.4			11.085514	
13	2	7	74.8	1646		11.483729	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	50.7	1569		0.652268	1
1	2	11	72.1	1223		1.279202	
2	2	11	64.6	1915		2.004186	
3	1	11	92.8			2.957440	
4	2	11	70.1	1434		3.538997	
5	2	11	59.1	1983		3.956270	
6	2	11	77.1	1980		4.996348	
7	3	11	98.2	1720	1704	5.910679	
8	1	11	84.3			6.693351	
9	1	11	90.3			7.256277	
10	2	11	84.3	1461		8.166228	
11	2	11	67.3	1464		8.932607	
12	2	11	50.8	1935		9.383342	
13	3	11	71.0	1755	1899	9.784111	
14	3	11	61.8	1590	1764	10.768474	
15	3	11	79.6	1791	1778	11.745278	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	81.7	1140	1520	0.119699	1
1	3	13	88.2	1614	1313	1.045209	
2	2	13	89.3	1132		2.221514	
3	1	13	79.0			2.641017	
4	3	13	54.0	1099	1464	3.525443	
5	3	13	76.4	1046	1448	4.406667	
6	3	13	89.0	1266	1719	5.316781	
7	3	13	54.5	1397	1316	6.659144	
8	3	13	65.4	1604	1523	7.180688	
9	1	13	52.3			8.225434	
10	2	13	75.3	1434		9.220646	
11	2	13	63.0	1026		9.585887	
12	1	13	74.4			11.029398	
13	1	13	98.1			11.683087	

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	18	62.6	1824		0.458794	
1	3	18	84.4	1226	1529	1.013911	
2	2	18	98.4	1142		1.521780	
3	1	18	51.6			2.078173	
4	1	18	88.3			2.591816	
5	2	18	87.9	1728		3.690263	
6	1	18	64.4			4.145390	
7	2	18	74.1	1802		4.861818	
8	2	18	82.5	1228		5.271215	
9	1	18	66.7			5.740902	1
10	2	18	68.0	1941		6.438386	
11	2	18	88.3	1957		7.550484	
12	2	18	55.5	1951		7.989261	
13	2	18	85.6	1211		8.436844	
14	2	18	53.4	1081		9.126198	
15	2	18	81.8	1094		9.631758	
16	2	18	73.9	1443		10.536769	
17	3	18	52.5	1053	1308	10.890585	
18	3	18	60.1	1530	1236	11.937666	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	99.2	1800		0.937973	
1	1	18	52.6			2.596353	
2	2	18	94.5	1784		3.487185	
3	3	18	76.1	1425	1930	4.615561	
4	1	18	76.3			6.137248	1
5	3	18	73.3	1079	1285	7.870374	
6	1	18	77.6			8.187758	
7	1	18	78.0			9.340844	
8	3	18	91.9	1477	1241	11.331469	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	77.7	1558		0.578395	1
1	3	8	52.6	1211	1414	1.135795	
2	2	8	84.9	1276		2.829803	
3	2	8	91.1	1406		3.058136	
4	2	8	78.1	1094		4.358474	
5	2	8	72.0	1868		5.245994	
6	2	8	81.1	1132		6.419732	
7	2	8	97.2	1356		7.298132	
8	3	8	91.4	1488	1314	8.965487	
9	1	8	86.4			9.756418	
10	3	8	82.6	1667	1493	10.578253	
11	3	8	94.0	1250	1000	11.492076	

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	13	92.2			0.221766	1
1	3	13	61.8	1099	1170	1.053300	
2	1	13	60.0			1.416396	
3	2	13	58.9	1849		2.043346	
4	2	13	75.0	1031		2.574043	
5	2	13	96.9	1955		3.565327	
6	1	13	72.7			4.134747	
7	3	13	63.9	1560	1997	4.462663	
8	1	13	98.3			5.418208	
9	2	13	79.3	1630		6.185139	
10	1	13	71.4			6.504241	
11	2	13	97.1	1417		7.528019	
12	2	13	65.1	1479		8.036955	
13	3	13	50.0	1635	1563	8.241523	
14	1	13	69.5			9.142107	
15	3	13	77.8	1739	1830	9.988802	
16	2	13	94.0	1435		10.121835	
17	2	13	95.2	1849		11.249180	
18	2	13	66.6	1328		11.443719	

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	95.7			0.197968	1
1	3	13	57.4	1876	1227	1.070012	
2	2	13	79.1	1050		1.566530	
3	2	13	87.4	1376		1.871729	
4	2	13	76.1	1179		2.752712	
5	2	13	89.4	1025		3.238608	
6	1	13	96.0			3.858711	
7	1	13	84.9			4.239302	
8	2	13	76.4	1515		5.006636	
9	3	13	63.3	1243	1672	5.667789	
10	2	13	77.6	1080		6.198888	
11	2	13	80.1	1096		6.798971	
12	2	13	71.8	1403		7.712831	
13	2	13	59.1	1937		8.076066	
14	3	13	95.8	1991	1892	8.556088	
15	1	13	79.3			9.452115	
16	1	13	58.8			10.086017	
17	1	13	99.5			10.240065	
18	2	13	59.0	1055		10.831267	
19	2	13	87.0	1417		11.857321	

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	14	70.9	1045		0.775583	1
1	1	14	68.0			1.308966	
2	2	14	57.2	1494		2.839886	
3	2	14	52.6	1466		3.830561	
4	2	14	94.2	1003		4.769993	
5	1	14	66.0			5.770579	
6	1	14	91.3			6.074692	
7	1	14	61.2			7.650727	
8	2	14	91.0	1597		8.208575	
9	2	14	60.0	1066		9.871532	
10	2	14	81.1	1872		10.964754	
11	2	14	57.9	1884		11.459176	

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	98.0	1758		0.247807	1
1	2	13	55.4	1366		0.876304	
2	3	13	51.2	1512	1953	2.150804	
3	2	13	62.9	1591		2.922394	
4	2	13	63.3	1706		3.749040	
5	2	13	80.5	1214		4.470215	
6	1	13	96.1			5.775103	
7	3	13	96.5	1153	1379	6.362159	
8	2	13	65.4	1416		7.011906	
9	2	13	62.1	1465		8.561678	
10	2	13	65.7	1653		9.097530	
11	1	13	66.3			9.668605	
12	2	13	76.3	1390		10.552443	
13	2	13	83.6	1970		11.147167	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5570.0	9	1.0	333	1	5628.0, 5443.0, 5635.0, 5618.0, 5569.0, 5415.0, 5469.0, 5323.0, 5493.0, 5631.0, 5414.0, 5473.0, 5627.0, 5277.0, 5328.0, 5292.0, 5396.0, 5384.0, 5440.0, 5289.0, 5665.0, 5483.0, 5404.0, 5461.0, 5336.0, 5370.0, 5438.0, 5505.0, 5696.0, 5545.0, 5568.0, 5265.0, 5578.0, 5429.0, 5522.0, 5565.0, 5536.0, 5401.0, 5340.0, 5427.0, 5507.0, 5329.0, 5606.0, 5303.0, 5385.0, 5387.0, 5278.0, 5400.0, 5694.0, 5306.0, 5598.0, 5442.0, 5590.0, 5454.0, 5579.0, 5371.0, 5379.0, 5320.0, 5296.0, 5476.0, 5683.0, 5389.0, 5658.0, 5412.0, 5334.0, 5272.0, 5395.0, 5350.0, 5593.0, 5349.0, 5479.0, 5699.0, 5689.0, 5586.0, 5685.0, 5678.0, 5532.0, 5680.0, 5637.0, 5634.0, 5535.0, 5645.0, 5581.0, 5366.0, 5444.0, 5360.0, 5359.0, 5271.0, 5409.0, 5647.0, 5531.0, 5560.0, 5609.0, 5282.0, 5259.0, 5671.0, 5383.0, 5344.0, 5487.0, 5356.0 (number of hits: 31)
2	5570.0	9	1.0	333	1	5316.0, 5322.0, 5267.0, 5394.0, 5544.0, 5649.0, 5361.0, 5339.0, 5439.0, 5656.0, 5292.0, 5682.0, 5449.0, 5492.0, 5629.0, 5594.0, 5700.0, 5664.0, 5528.0, 5253.0, 5701.0, 5574.0, 5515.0, 5495.0, 5532.0, 5652.0, 5265.0, 5272.0, 5403.0, 5466.0, 5557.0, 5668.0, 5384.0, 5609.0, 5485.0, 5593.0, 5523.0, 5705.0, 5709.0, 5687.0, 5286.0, 5285.0, 5416.0, 5666.0, 5406.0, 5289.0, 5573.0, 5497.0, 5278.0, 5257.0, 5469.0, 5410.0, 5256.0, 5266.0, 5450.0, 5401.0, 5251.0, 5458.0, 5659.0, 5259.0, 5719.0, 5607.0, 5369.0, 5462.0, 5616.0, 5385.0, 5543.0, 5677.0, 5371.0, 5530.0, 5545.0, 5554.0, 5524.0, 5338.0, 5650.0, 5262.0, 5702.0, 5269.0, 5534.0, 5412.0, 5298.0, 5536.0, 5510.0, 5448.0, 5333.0, 5354.0, 5328.0, 5357.0, 5307.0, 5691.0, 5426.0, 5365.0, 5603.0, 5626.0, 5548.0, 5290.0, 5455.0, 5473.0, 5350.0, 5714.0 (number of hits: 28)
3	5570.0	9	1.0	333	1	5292.0, 5642.0, 5706.0, 5666.0, 5282.0, 5616.0, 5661.0, 5547.0, 5593.0, 5314.0, 5656.0, 5565.0, 5523.0, 5522.0, 5588.0, 5434.0, 5704.0, 5429.0, 5673.0, 5354.0, 5252.0, 5676.0, 5631.0, 5699.0, 5497.0, 5476.0, 5668.0, 5259.0, 5310.0, 5583.0, 5368.0, 5442.0, 5524.0, 5623.0, 5714.0, 5287.0, 5528.0, 5541.0, 5539.0, 5568.0, 5283.0, 5374.0, 5326.0, 5553.0, 5355.0, 5346.0, 5554.0, 5417.0, 5610.0, 5335.0, 5486.0, 5277.0, 5559.0, 5630.0, 5452.0, 5432.0, 5351.0, 5682.0, 5458.0, 5626.0, 5688.0, 5532.0, 5695.0, 5301.0, 5383.0, 5622.0, 5649.0, 5590.0, 5265.0, 5650.0, 5636.0, 5529.0, 5472.0, 5353.0, 5345.0, 5365.0, 5548.0, 5710.0, 5430.0, 5595.0, 5329.0, 5257.0, 5662.0, 5465.0, 5557.0, 5617.0, 5640.0, 5667.0, 5604.0, 5377.0, 5406.0, 5404.0, 5313.0, 5450.0, 5635.0, 5674.0, 5439.0, 5459.0, 5416.0, 5409.0 (number of hits: 35)
4	5570.0	9	1.0	333	1	5382.0, 5617.0, 5624.0, 5626.0, 5688.0, 5577.0, 5491.0, 5623.0, 5452.0, 5338.0, 5370.0, 5432.0, 5526.0, 5659.0, 5361.0, 5628.0, 5460.0, 5686.0, 5399.0, 5587.0, 5643.0, 5437.0, 5430.0, 5492.0, 5619.0, 5611.0, 5649.0, 5647.0, 5527.0, 5378.0, 5449.0, 5428.0, 5343.0, 5450.0, 5461.0, 5252.0, 5373.0, 5268.0, 5345.0, 5322.0, 5470.0, 5596.0, 5376.0, 5328.0, 5696.0, 5414.0, 5590.0, 5568.0, 5312.0, 5466.0, 5679.0, 5559.0, 5591.0, 5713.0, 5443.0, 5358.0, 5350.0, 5657.0, 5621.0, 5553.0, 5699.0, 5524.0, 5523.0, 5261.0, 5281.0, 5505.0, 5347.0, 5642.0, 5436.0, 5603.0, 5279.0, 5547.0, 5388.0, 5334.0, 5561.0, 5410.0, 5346.0, 5580.0, 5584.0, 5506.0, 5283.0, 5631.0, 5422.0, 5599.0, 5404.0, 5632.0, 5537.0, 5645.0, 5298.0, 5702.0, 5532.0, 5483.0, 5664.0, 5440.0, 5462.0, 5294.0, 5695.0, 5638.0, 5254.0, 5581.0 (number of hits: 39)
5	5570.0	9	1.0	333	1	5369.0, 5400.0, 5632.0, 5688.0, 5513.0, 5497.0, 5499.0, 5626.0, 5447.0, 5314.0, 5681.0, 5537.0, 5587.0, 5509.0, 5555.0, 5342.0, 5543.0, 5598.0, 5500.0, 5523.0, 5678.0, 5480.0, 5433.0, 5692.0,

						5534.0, 5279.0, 5300.0, 5315.0, 5360.0, 5320.0, 5501.0, 5384.0, 5526.0, 5423.0, 5322.0, 5397.0, 5371.0, 5429.0, 5332.0, 5616.0, 5267.0, 5388.0, 5495.0, 5540.0, 5324.0, 5518.0, 5432.0, 5690.0, 5674.0, 5452.0, 5418.0, 5442.0, 5304.0, 5663.0, 5292.0, 5652.0, 5702.0, 5564.0, 5679.0, 5357.0, 5680.0, 5631.0, 5284.0, 5307.0, 5618.0, 5546.0, 5515.0, 5707.0, 5393.0, 5490.0, 5288.0, 5672.0, 5260.0, 5473.0, 5252.0, 5255.0, 5486.0, 5457.0, 5325.0, 5504.0, 5554.0, 5474.0, 5413.0, 5718.0, 5682.0, 5607.0, 5664.0, 5595.0, 5470.0, 5259.0, 5545.0, 5623.0, 5669.0, 5454.0, 5365.0, 5446.0, 5487.0, 5273.0, 5425.0, 5491.0 (number of hits: 31)
6	5570.0	9	1.0	333	1	5679.0, 5345.0, 5682.0, 5318.0, 5644.0, 5439.0, 5539.0, 5260.0, 5361.0, 5655.0, 5594.0, 5705.0, 5328.0, 5271.0, 5724.0, 5553.0, 5564.0, 5494.0, 5713.0, 5526.0, 5375.0, 5715.0, 5665.0, 5255.0, 5660.0, 5429.0, 5346.0, 5681.0, 5298.0, 5337.0, 5666.0, 5275.0, 5712.0, 5605.0, 5395.0, 5541.0, 5399.0, 5435.0, 5696.0, 5626.0, 5509.0, 5311.0, 5708.0, 5291.0, 5506.0, 5423.0, 5293.0, 5397.0, 5647.0, 5689.0, 5357.0, 5574.0, 5629.0, 5722.0, 5654.0, 5378.0, 5716.0, 5347.0, 5461.0, 5389.0, 5310.0, 5350.0, 5578.0, 5543.0, 5634.0, 5262.0, 5415.0, 5630.0, 5697.0, 5473.0, 5332.0, 5588.0, 5358.0, 5285.0, 5353.0, 5584.0, 5320.0, 5560.0, 5471.0, 5301.0, 5363.0, 5437.0, 5511.0, 5656.0, 5598.0, 5505.0, 5566.0, 5683.0, 5714.0, 5514.0, 5258.0, 5465.0, 5525.0, 5383.0, 5603.0, 5335.0, 5323.0, 5290.0, 5483.0, 5327.0 (number of hits: 29)
7	5570.0	9	1.0	333	1	5464.0, 5391.0, 5403.0, 5413.0, 5641.0, 5666.0, 5431.0, 5499.0, 5444.0, 5672.0, 5640.0, 5558.0, 5711.0, 5355.0, 5630.0, 5563.0, 5476.0, 5535.0, 5709.0, 5677.0, 5715.0, 5493.0, 5648.0, 5629.0, 5716.0, 5536.0, 5530.0, 5370.0, 5467.0, 5507.0, 5291.0, 5472.0, 5700.0, 5273.0, 5676.0, 5425.0, 5534.0, 5699.0, 5684.0, 5260.0, 5378.0, 5703.0, 5616.0, 5608.0, 5710.0, 5521.0, 5454.0, 5284.0, 5301.0, 5584.0, 5631.0, 5319.0, 5385.0, 5418.0, 5599.0, 5322.0, 5445.0, 5488.0, 5461.0, 5468.0, 5545.0, 5420.0, 5411.0, 5589.0, 5595.0, 5650.0, 5483.0, 5304.0, 5453.0, 5457.0, 5427.0, 5316.0, 5296.0, 5398.0, 5689.0, 5661.0, 5549.0, 5395.0, 5702.0, 5555.0, 5344.0, 5460.0, 5669.0, 5578.0, 5637.0, 5421.0, 5594.0, 5443.0, 5266.0, 5612.0, 5276.0, 5263.0, 5600.0, 5379.0, 5318.0, 5282.0, 5577.0, 5333.0, 5619.0, 5590.0 (number of hits: 32)
8	5570.0	9	1.0	333	1	5648.0, 5622.0, 5374.0, 5484.0, 5422.0, 5309.0, 5333.0, 5610.0, 5588.0, 5598.0, 5407.0, 5646.0, 5587.0, 5415.0, 5336.0, 5663.0, 5376.0, 5644.0, 5652.0, 5436.0, 5584.0, 5697.0, 5429.0, 5301.0, 5324.0, 5347.0, 5600.0, 5502.0, 5463.0, 5326.0, 5592.0, 5507.0, 5528.0, 5281.0, 5483.0, 5668.0, 5449.0, 5290.0, 5317.0, 5364.0, 5482.0, 5516.0, 5467.0, 5614.0, 5294.0, 5386.0, 5540.0, 5687.0, 5259.0, 5342.0, 5489.0, 5270.0, 5698.0, 5601.0, 5277.0, 5327.0, 5454.0, 5523.0, 5365.0, 5660.0, 5703.0, 5433.0, 5517.0, 5444.0, 5273.0, 5603.0, 5514.0, 5576.0, 5282.0, 5344.0, 5401.0, 5440.0, 5367.0, 5656.0, 5595.0, 5417.0, 5701.0, 5378.0, 5255.0, 5669.0, 5581.0, 5555.0, 5688.0, 5396.0, 5632.0, 5527.0, 5702.0, 5261.0, 5676.0, 5649.0, 5318.0, 5511.0, 5361.0, 5368.0, 5332.0, 5659.0, 5468.0, 5424.0, 5430.0, 5625.0 (number of hits: 29)
9	5570.0	9	1.0	333	1	5259.0, 5460.0, 5624.0, 5559.0, 5715.0, 5439.0, 5383.0, 5632.0, 5378.0, 5315.0, 5604.0, 5409.0, 5419.0, 5358.0, 5549.0, 5331.0, 5404.0, 5339.0, 5674.0, 5565.0, 5664.0, 5533.0, 5262.0, 5448.0, 5433.0, 5673.0, 5449.0, 5421.0, 5291.0, 5685.0, 5362.0, 5289.0, 5379.0, 5321.0, 5385.0, 5407.0, 5326.0, 5276.0, 5688.0, 5638.0, 5447.0, 5577.0, 5514.0, 5563.0, 5393.0, 5592.0, 5275.0, 5391.0, 5717.0, 5593.0, 5329.0, 5302.0, 5351.0, 5713.0, 5399.0, 5405.0, 5511.0, 5461.0, 5629.0, 5644.0, 5452.0, 5365.0, 5557.0, 5666.0, 5586.0, 5696.0, 5537.0, 5430.0, 5606.0, 5261.0, 5374.0, 5712.0, 5435.0, 5256.0, 5643.0, 5530.0, 5542.0, 5515.0, 5254.0, 5536.0, 5427.0, 5320.0, 5495.0, 5662.0, 5602.0, 5470.0, 5352.0, 5620.0, 5468.0, 5566.0, 5413.0, 5372.0, 5567.0, 5303.0, 5594.0, 5482.0,

						5278.0, 5469.0, 5283.0, 5501.0 (number of hits: 32)
10	5570.0	9	1.0	333	1	5677.0, 5542.0, 5717.0, 5349.0, 5299.0, 5670.0, 5634.0, 5485.0, 5530.0, 5508.0, 5557.0, 5318.0, 5473.0, 5572.0, 5641.0, 5679.0, 5583.0, 5387.0, 5309.0, 5400.0, 5288.0, 5284.0, 5669.0, 5656.0, 5388.0, 5550.0, 5394.0, 5355.0, 5492.0, 5694.0, 5403.0, 5287.0, 5393.0, 5266.0, 5596.0, 5435.0, 5720.0, 5275.0, 5486.0, 5466.0, 5699.0, 5689.0, 5611.0, 5711.0, 5643.0, 5324.0, 5410.0, 5668.0, 5598.0, 5307.0, 5527.0, 5586.0, 5428.0, 5335.0, 5614.0, 5560.0, 5577.0, 5549.0, 5558.0, 5343.0, 5433.0, 5415.0, 5623.0, 5411.0, 5360.0, 5319.0, 5443.0, 5511.0, 5619.0, 5367.0, 5437.0, 5651.0, 5578.0, 5289.0, 5398.0, 5628.0, 5452.0, 5323.0, 5334.0, 5589.0, 5475.0, 5482.0, 5565.0, 5354.0, 5468.0, 5639.0, 5383.0, 5704.0, 5505.0, 5712.0, 5584.0, 5510.0, 5631.0, 5561.0, 5633.0, 5624.0, 5364.0, 5487.0, 5650.0, 5517.0 (number of hits: 37)
11	5570.0	9	1.0	333	1	5376.0, 5332.0, 5399.0, 5649.0, 5716.0, 5385.0, 5685.0, 5715.0, 5359.0, 5486.0, 5364.0, 5324.0, 5468.0, 5301.0, 5566.0, 5492.0, 5335.0, 5284.0, 5689.0, 5631.0, 5698.0, 5667.0, 5559.0, 5701.0, 5668.0, 5550.0, 5382.0, 5323.0, 5686.0, 5477.0, 5425.0, 5333.0, 5719.0, 5713.0, 5675.0, 5267.0, 5697.0, 5337.0, 5306.0, 5588.0, 5483.0, 5375.0, 5636.0, 5606.0, 5639.0, 5443.0, 5522.0, 5673.0, 5370.0, 5445.0, 5498.0, 5610.0, 5489.0, 5596.0, 5660.0, 5648.0, 5459.0, 5463.0, 5305.0, 5490.0, 5287.0, 5585.0, 5407.0, 5470.0, 5654.0, 5703.0, 5350.0, 5676.0, 5377.0, 5457.0, 5356.0, 5601.0, 5346.0, 5640.0, 5452.0, 5546.0, 5611.0, 5683.0, 5674.0, 5581.0, 5444.0, 5312.0, 5656.0, 5548.0, 5274.0, 5653.0, 5491.0, 5354.0, 5602.0, 5638.0, 5687.0, 5343.0, 5309.0, 5710.0, 5325.0, 5402.0, 5597.0, 5467.0, 5521.0, 5322.0 (number of hits: 24)
12	5570.0	9	1.0	333	1	5252.0, 5391.0, 5592.0, 5516.0, 5393.0, 5491.0, 5368.0, 5363.0, 5645.0, 5486.0, 5455.0, 5591.0, 5432.0, 5517.0, 5258.0, 5606.0, 5262.0, 5281.0, 5633.0, 5259.0, 5350.0, 5613.0, 5690.0, 5267.0, 5605.0, 5643.0, 5467.0, 5273.0, 5334.0, 5477.0, 5386.0, 5370.0, 5626.0, 5343.0, 5397.0, 5594.0, 5382.0, 5256.0, 5383.0, 5521.0, 5291.0, 5271.0, 5304.0, 5425.0, 5670.0, 5610.0, 5446.0, 5275.0, 5480.0, 5696.0, 5531.0, 5482.0, 5261.0, 5597.0, 5384.0, 5441.0, 5458.0, 5478.0, 5459.0, 5697.0, 5336.0, 5554.0, 5638.0, 5686.0, 5410.0, 5572.0, 5421.0, 5506.0, 5323.0, 5472.0, 5564.0, 5497.0, 5303.0, 5653.0, 5407.0, 5365.0, 5704.0, 5347.0, 5543.0, 5573.0, 5623.0, 5546.0, 5715.0, 5535.0, 5454.0, 5588.0, 5583.0, 5338.0, 5527.0, 5315.0, 5294.0, 5611.0, 5358.0, 5656.0, 5415.0, 5427.0, 5489.0, 5351.0, 5500.0, 5299.0 (number of hits: 32)
13	5570.0	9	1.0	333	1	5407.0, 5445.0, 5456.0, 5699.0, 5332.0, 5668.0, 5423.0, 5326.0, 5709.0, 5402.0, 5330.0, 5255.0, 5373.0, 5438.0, 5317.0, 5548.0, 5507.0, 5254.0, 5577.0, 5309.0, 5544.0, 5388.0, 5363.0, 5339.0, 5612.0, 5464.0, 5460.0, 5515.0, 5588.0, 5405.0, 5383.0, 5420.0, 5506.0, 5554.0, 5680.0, 5536.0, 5542.0, 5338.0, 5360.0, 5553.0, 5311.0, 5654.0, 5716.0, 5701.0, 5482.0, 5440.0, 5692.0, 5411.0, 5669.0, 5296.0, 5664.0, 5558.0, 5453.0, 5671.0, 5605.0, 5545.0, 5710.0, 5677.0, 5389.0, 5366.0, 5443.0, 5261.0, 5328.0, 5253.0, 5455.0, 5564.0, 5567.0, 5290.0, 5504.0, 5547.0, 5517.0, 5422.0, 5591.0, 5406.0, 5570.0, 5571.0, 5369.0, 5299.0, 5521.0, 5627.0, 5603.0, 5335.0, 5550.0, 5334.0, 5306.0, 5425.0, 5666.0, 5487.0, 5446.0, 5672.0, 5449.0, 5341.0, 5518.0, 5569.0, 5581.0, 5467.0, 5623.0, 5586.0, 5688.0, 5519.0 (number of hits: 33
14	5570.0	9	1.0	333	1	5606.0, 5527.0, 5582.0, 5396.0, 5622.0, 5493.0, 5627.0, 5649.0, 5603.0, 5284.0, 5577.0, 5458.0, 5377.0, 5716.0, 5500.0, 5626.0, 5642.0, 5340.0, 5523.0, 5453.0, 5425.0, 5516.0, 5674.0, 5609.0, 5372.0, 5408.0, 5262.0, 5499.0, 5555.0, 5466.0, 5392.0, 5369.0, 5365.0, 5266.0, 5420.0, 5529.0, 5531.0, 5473.0, 5448.0, 5326.0, 5671.0, 5306.0, 5547.0, 5715.0, 5536.0, 5564.0, 5328.0, 5509.0, 5439.0, 5405.0, 5411.0, 5525.0, 5557.0, 5314.0, 5412.0, 5708.0, 5296.0, 5259.0, 5710.0, 5656.0, 5607.0, 5273.0, 5260.0, 5271.0,

						5338.0, 5507.0, 5319.0, 5643.0, 5358.0, 5669.0, 5652.0, 5553.0, 5361.0, 5514.0, 5624.0, 5335.0, 5693.0, 5279.0, 5483.0, 5303.0, 5344.0, 5717.0, 5352.0, 5276.0, 5691.0, 5316.0, 5635.0, 5315.0, 5677.0, 5409.0, 5654.0, 5550.0, 5681.0, 5429.0, 5348.0, 5293.0, 5295.0, 5484.0, 5543.0, 5475.0 (number of hits: 33)
15	5570.0	9	1.0	333	1	5450.0, 5330.0, 5572.0, 5483.0, 5722.0, 5532.0, 5534.0, 5275.0, 5604.0, 5600.0, 5689.0, 5487.0, 5298.0, 5577.0, 5337.0, 5306.0, 5614.0, 5669.0, 5384.0, 5678.0, 5558.0, 5488.0, 5345.0, 5668.0, 5629.0, 5563.0, 5455.0, 5688.0, 5351.0, 5354.0, 5526.0, 5608.0, 5524.0, 5555.0, 5716.0, 5602.0, 5646.0, 5436.0, 5537.0, 5404.0, 5277.0, 5399.0, 5642.0, 5403.0, 5518.0, 5442.0, 5612.0, 5515.0, 5508.0, 5599.0, 5468.0, 5544.0, 5378.0, 5401.0, 5342.0, 5484.0, 5414.0, 5336.0, 5323.0, 5679.0, 5591.0, 5698.0, 5274.0, 5477.0, 5311.0, 5595.0, 5625.0, 5266.0, 5718.0, 5643.0, 5357.0, 5719.0, 5500.0, 5696.0, 5271.0, 5569.0, 5366.0, 5631.0, 5559.0, 5700.0, 5478.0, 5547.0, 5585.0, 5434.0, 5331.0, 5707.0, 5272.0, 5250.0, 5476.0, 5437.0, 5321.0, 5681.0, 5517.0, 5713.0, 5285.0, 5619.0, 5267.0, 5411.0, 5472.0, 5538.0 (number of hits: 37)
16	5570.0	9	1.0	333	1	5431.0, 5370.0, 5512.0, 5360.0, 5522.0, 5478.0, 5556.0, 5694.0, 5563.0, 5262.0, 5513.0, 5588.0, 5605.0, 5425.0, 5712.0, 5269.0, 5439.0, 5282.0, 5361.0, 5566.0, 5265.0, 5330.0, 5580.0, 5593.0, 5716.0, 5506.0, 5252.0, 5662.0, 5444.0, 5466.0, 5499.0, 5696.0, 5689.0, 5419.0, 5718.0, 5450.0, 5697.0, 5338.0, 5371.0, 5302.0, 5435.0, 5475.0, 5672.0, 5619.0, 5382.0, 5307.0, 5377.0, 5482.0, 5532.0, 5536.0, 5390.0, 5342.0, 5468.0, 5375.0, 5604.0, 5421.0, 5667.0, 5720.0, 5317.0, 5398.0, 5546.0, 5359.0, 5704.0, 5374.0, 5534.0, 5552.0, 5507.0, 5365.0, 5449.0, 5719.0, 5325.0, 5586.0, 5693.0, 5695.0, 5474.0, 5615.0, 5281.0, 5369.0, 5685.0, 5626.0, 5427.0, 5627.0, 5300.0, 5647.0, 5318.0, 5562.0, 5517.0, 5671.0, 5670.0, 5682.0, 5587.0, 5453.0, 5515.0, 5508.0, 5313.0, 5691.0, 5698.0, 5403.0, 5322.0, 5311.0 (number of hits: 30)
17	5570.0	9	1.0	333	1	5445.0, 5350.0, 5412.0, 5255.0, 5319.0, 5372.0, 5616.0, 5498.0, 5514.0, 5435.0, 5673.0, 5558.0, 5640.0, 5259.0, 5535.0, 5613.0, 5607.0, 5577.0, 5329.0, 5373.0, 5563.0, 5619.0, 5283.0, 5316.0, 5275.0, 5593.0, 5322.0, 5490.0, 5331.0, 5546.0, 5443.0, 5447.0, 5376.0, 5291.0, 5306.0, 5469.0, 5484.0, 5360.0, 5665.0, 5479.0, 5706.0, 5724.0, 5310.0, 5669.0, 5650.0, 5426.0, 5686.0, 5678.0, 5685.0, 5694.0, 5600.0, 5468.0, 5592.0, 5281.0, 5526.0, 5300.0, 5634.0, 5323.0, 5618.0, 5653.0, 5540.0, 5620.0, 5345.0, 5695.0, 5385.0, 5712.0, 5628.0, 5398.0, 5536.0, 5459.0, 5321.0, 5336.0, 5364.0, 5488.0, 5371.0, 5410.0, 5604.0, 5308.0, 5553.0, 5496.0, 5651.0, 5545.0, 5636.0, 5542.0, 5605.0, 5654.0, 5606.0, 5460.0, 5591.0, 5452.0, 5260.0, 5353.0, 5595.0, 5444.0, 5305.0, 5379.0, 5533.0, 5721.0, 5661.0, 5431.0 (number of hits: 33)
18	5570.0	9	1.0	333	1	5381.0, 5277.0, 5634.0, 5355.0, 5309.0, 5506.0, 5666.0, 5284.0, 5591.0, 5597.0, 5582.0, 5504.0, 5270.0, 5674.0, 5406.0, 5311.0, 5723.0, 5360.0, 5486.0, 5709.0, 5718.0, 5696.0, 5706.0, 5407.0, 5297.0, 5403.0, 5530.0, 5352.0, 5626.0, 5343.0, 5254.0, 5272.0, 5589.0, 5458.0, 5481.0, 5287.0, 5448.0, 5496.0, 5365.0, 5710.0, 5288.0, 5532.0, 5636.0, 5431.0, 5580.0, 5273.0, 5368.0, 5333.0, 5708.0, 5501.0, 5630.0, 5665.0, 5606.0, 5255.0, 5323.0, 5722.0, 5281.0, 5274.0, 5263.0, 5271.0, 5489.0, 5566.0, 5567.0, 5700.0, 5444.0, 5545.0, 5583.0, 5359.0, 5442.0, 5392.0, 5428.0, 5264.0, 5443.0, 5363.0, 5539.0, 5689.0, 5449.0, 5299.0, 5707.0, 5306.0, 5612.0, 5713.0, 5434.0, 5354.0, 5324.0, 5374.0, 5317.0, 5361.0, 5484.0, 5456.0, 5382.0, 5373.0, 5628.0, 5690.0, 5619.0, 5721.0, 5438.0, 5693.0, 5575.0, 5505.0 (number of hits: 26
19	5570.0	9	1.0	333	1	5513.0, 5445.0, 5278.0, 5492.0, 5422.0, 5723.0, 5716.0, 5536.0, 5629.0, 5369.0, 5323.0, 5258.0, 5435.0, 5290.0, 5649.0, 5338.0, 5416.0, 5469.0, 5673.0, 5346.0, 5625.0, 5570.0, 5491.0, 5498.0, 5603.0, 5364.0, 5483.0, 5647.0, 5375.0, 5462.0, 5668.0, 5408.0,

						5617.0, 5534.0, 5265.0, 5703.0, 5366.0, 5563.0, 5428.0, 5589.0, 5466.0, 5480.0, 5533.0, 5344.0, 5696.0, 5642.0, 5300.0, 5363.0, 5286.0, 5636.0, 5388.0, 5454.0, 5275.0, 5670.0, 5522.0, 5298.0, 5711.0, 5267.0, 5482.0, 5395.0, 5410.0, 5506.0, 5307.0, 5594.0, 5310.0, 5256.0, 5548.0, 5598.0, 5699.0, 5690.0, 5717.0, 5250.0, 5684.0, 5584.0, 5280.0, 5493.0, 5264.0, 5650.0, 5283.0, 5389.0, 5403.0, 5303.0, 5444.0, 5683.0, 5352.0, 5423.0, 5261.0, 5378.0, 5337.0, 5451.0, 5355.0, 5349.0, 5288.0, 5637.0, 5277.0, 5455.0, 5324.0, 5515.0, 5387.0, 5562.0 (number of hits: 26)
20	5570.0	9	1.0	333	1	5477.0, 5337.0, 5715.0, 5533.0, 5381.0, 5363.0, 5623.0, 5509.0, 5585.0, 5675.0, 5668.0, 5279.0, 5503.0, 5682.0, 5346.0, 5401.0, 5387.0, 5251.0, 5358.0, 5421.0, 5383.0, 5432.0, 5545.0, 5282.0, 5627.0, 5313.0, 5357.0, 5374.0, 5267.0, 5439.0, 5461.0, 5719.0, 5561.0, 5258.0, 5692.0, 5428.0, 5660.0, 5642.0, 5681.0, 5393.0, 5315.0, 5685.0, 5272.0, 5717.0, 5349.0, 5665.0, 5478.0, 5460.0, 5266.0, 5637.0, 5284.0, 5457.0, 5484.0, 5356.0, 5352.0, 5662.0, 5567.0, 5320.0, 5620.0, 5260.0, 5447.0, 5360.0, 5343.0, 5405.0, 5697.0, 5480.0, 5714.0, 5429.0, 5658.0, 5324.0, 5588.0, 5574.0, 5520.0, 5366.0, 5614.0, 5359.0, 5396.0, 5298.0, 5560.0, 5300.0, 5592.0, 5577.0, 5325.0, 5683.0, 5254.0, 5408.0, 5600.0, 5335.0, 5316.0, 5601.0, 5407.0, 5709.0, 5395.0, 5321.0, 5564.0, 5557.0, 5344.0, 5527.0, 5619.0, 5397.0 (number of hits: 25)
21	5570.0	9	1.0	333	1	5516.0, 5355.0, 5332.0, 5538.0, 5442.0, 5251.0, 5671.0, 5491.0, 5678.0, 5432.0, 5706.0, 5316.0, 5358.0, 5549.0, 5368.0, 5677.0, 5322.0, 5429.0, 5341.0, 5254.0, 5386.0, 5257.0, 5537.0, 5311.0, 5273.0, 5261.0, 5295.0, 5353.0, 5339.0, 5701.0, 5504.0, 5558.0, 5632.0, 5681.0, 5500.0, 5452.0, 5487.0, 5419.0, 5258.0, 5481.0, 5319.0, 5676.0, 5420.0, 5459.0, 5393.0, 5343.0, 5275.0, 5714.0, 5475.0, 5470.0, 5593.0, 5628.0, 5604.0, 5352.0, 5697.0, 5553.0, 5498.0, 5294.0, 5670.0, 5532.0, 5482.0, 5527.0, 5613.0, 5623.0, 5597.0, 5276.0, 5267.0, 5408.0, 5265.0, 5680.0, 5607.0, 5493.0, 5350.0, 5325.0, 5667.0, 5596.0, 5321.0, 5440.0, 5567.0, 5643.0, 5363.0, 5531.0, 5443.0, 5435.0, 5477.0, 5383.0, 5285.0, 5559.0, 5499.0, 5486.0, 5335.0, 5425.0, 5570.0, 5503.0, 5633.0, 5530.0, 5544.0, 5344.0, 5630.0, 5300.0 (number of hits: 32)
22	5570.0	9	1.0	333	1	5648.0, 5623.0, 5618.0, 5546.0, 5448.0, 5591.0, 5414.0, 5333.0, 5353.0, 5409.0, 5614.0, 5469.0, 5619.0, 5380.0, 5653.0, 5456.0, 5267.0, 5597.0, 5596.0, 5647.0, 5513.0, 5684.0, 5361.0, 5378.0, 5548.0, 5311.0, 5384.0, 5694.0, 5574.0, 5363.0, 5404.0, 5278.0, 5484.0, 5496.0, 5632.0, 5372.0, 5292.0, 5329.0, 5678.0, 5330.0, 5698.0, 5364.0, 5661.0, 5322.0, 5721.0, 5638.0, 5662.0, 5723.0, 5437.0, 5397.0, 5410.0, 5298.0, 5637.0, 5705.0, 5453.0, 5358.0, 5646.0, 5669.0, 5432.0, 5657.0, 5520.0, 5507.0, 5683.0, 5357.0, 5323.0, 5370.0, 5314.0, 5398.0, 5599.0, 5482.0, 5712.0, 5402.0, 5569.0, 5536.0, 5474.0, 5389.0, 5262.0, 5334.0, 5395.0, 5336.0, 5692.0, 5422.0, 5466.0, 5545.0, 5517.0, 5367.0, 5628.0, 5516.0, 5365.0, 5620.0, 5563.0, 5590.0, 5635.0, 5711.0, 5250.0, 5385.0, 5351.0, 5615.0, 5304.0, 5530.0 (number of hits: 32)
23	5570.0	9	1.0	333	1	5655.0, 5311.0, 5685.0, 5573.0, 5652.0, 5703.0, 5499.0, 5647.0, 5461.0, 5671.0, 5485.0, 5563.0, 5395.0, 5273.0, 5653.0, 5620.0, 5557.0, 5701.0, 5637.0, 5724.0, 5360.0, 5648.0, 5329.0, 5618.0, 5692.0, 5631.0, 5326.0, 5292.0, 5691.0, 5552.0, 5673.0, 5422.0, 5265.0, 5472.0, 5556.0, 5335.0, 5312.0, 5294.0, 5544.0, 5526.0, 5495.0, 5654.0, 5456.0, 5539.0, 5684.0, 5453.0, 5270.0, 5445.0, 5630.0, 5592.0, 5432.0, 5708.0, 5662.0, 5467.0, 5257.0, 5607.0, 5322.0, 5545.0, 5371.0, 5402.0, 5253.0, 5640.0, 5564.0, 5286.0, 5722.0, 5664.0, 5704.0, 5447.0, 5689.0, 5350.0, 5307.0, 5497.0, 5682.0, 5339.0, 5619.0, 5507.0, 5521.0, 5550.0, 5720.0, 5282.0, 5571.0, 5639.0, 5366.0, 5487.0, 5535.0, 5715.0, 5500.0, 5540.0, 5349.0, 5252.0, 5627.0, 5656.0, 5473.0, 5594.0, 5533.0, 5433.0, 5365.0, 5354.0, 5466.0, 5412.0 (number of hits: 34)

24	5570.0	9	1.0	333	1	5517.0, 5374.0, 5703.0, 5497.0, 5457.0, 5718.0, 5495.0, 5299.0, 5508.0, 5391.0, 5400.0, 5534.0, 5371.0, 5375.0, 5509.0, 5265.0, 5668.0, 5581.0, 5694.0, 5642.0, 5257.0, 5608.0, 5501.0, 5695.0, 5412.0, 5433.0, 5353.0, 5435.0, 5271.0, 5621.0, 5393.0, 5723.0, 5383.0, 5325.0, 5696.0, 5317.0, 5525.0, 5332.0, 5379.0, 5333.0, 5512.0, 5362.0, 5358.0, 5584.0, 5459.0, 5674.0, 5683.0, 5291.0, 5640.0, 5504.0, 5548.0, 5526.0, 5384.0, 5635.0, 5641.0, 5416.0, 5605.0, 5347.0, 5591.0, 5445.0, 5340.0, 5542.0, 5656.0, 5262.0, 5579.0, 5286.0, 5675.0, 5411.0, 5419.0, 5269.0, 5499.0, 5365.0, 5479.0, 5543.0, 5414.0, 5710.0, 5311.0, 5397.0, 5300.0, 5372.0, 5597.0, 5586.0, 5553.0, 5559.0, 5298.0, 5382.0, 5609.0, 5318.0, 5617.0, 5647.0, 5487.0, 5335.0, 5456.0, 5660.0, 5520.0, 5680.0, 5308.0, 5341.0, 5546.0, 5623.0 (number of hits: 36)
25	5570.0	9	1.0	333	1	5260.0, 5418.0, 5437.0, 5656.0, 5518.0, 5571.0, 5283.0, 5557.0, 5580.0, 5662.0, 5527.0, 5643.0, 5532.0, 5345.0, 5464.0, 5499.0, 5296.0, 5721.0, 5514.0, 5338.0, 5633.0, 5538.0, 5614.0, 5651.0, 5378.0, 5423.0, 5311.0, 5525.0, 5355.0, 5432.0, 5275.0, 5695.0, 5300.0, 5613.0, 5720.0, 5495.0, 5417.0, 5280.0, 5496.0, 5642.0, 5361.0, 5582.0, 5515.0, 5405.0, 5388.0, 5575.0, 5696.0, 5608.0, 5450.0, 5371.0, 5287.0, 5419.0, 5472.0, 5599.0, 5655.0, 5373.0, 5359.0, 5609.0, 5484.0, 5398.0, 5362.0, 5559.0, 5498.0, 5646.0, 5626.0, 5353.0, 5716.0, 5657.0, 5253.0, 5665.0, 5317.0, 5674.0, 5595.0, 5543.0, 5469.0, 5550.0, 5624.0, 5561.0, 5704.0, 5369.0, 5537.0, 5507.0, 5468.0, 5517.0, 5668.0, 5619.0, 5406.0, 5551.0, 5291.0, 5708.0, 5356.0, 5604.0, 5302.0, 5569.0, 5379.0, 5274.0, 5530.0, 5449.0, 5452.0, 5465.0 (number of hits: 40)
26	5570.0	9	1.0	333	1	5722.0, 5395.0, 5612.0, 5607.0, 5639.0, 5528.0, 5476.0, 5508.0, 5721.0, 5559.0, 5649.0, 5715.0, 5492.0, 5398.0, 5427.0, 5554.0, 5543.0, 5259.0, 5384.0, 5501.0, 5409.0, 5306.0, 5619.0, 5358.0, 5670.0, 5400.0, 5547.0, 5658.0, 5646.0, 5643.0, 5430.0, 5453.0, 5624.0, 5394.0, 5352.0, 5257.0, 5461.0, 5566.0, 5482.0, 5260.0, 5687.0, 5428.0, 5561.0, 5303.0, 5330.0, 5484.0, 5252.0, 5399.0, 5316.0, 5719.0, 5532.0, 5724.0, 5672.0, 5488.0, 5280.0, 5575.0, 5338.0, 5311.0, 5312.0, 5545.0, 5334.0, 5372.0, 5495.0, 5279.0, 5705.0, 5686.0, 5593.0, 5690.0, 5584.0, 5347.0, 5354.0, 5698.0, 5331.0, 5708.0, 5668.0, 5576.0, 5573.0, 5625.0, 5392.0, 5631.0, 5648.0, 5293.0, 5568.0, 5356.0, 5626.0, 5376.0, 5613.0, 5452.0, 5589.0, 5685.0, 5718.0, 5609.0, 5281.0, 5644.0, 5448.0, 5391.0, 5431.0, 5405.0, 5458.0, 5456.0 (number of hits: 33)
27	5570.0	9	1.0	333	1	5298.0, 5323.0, 5658.0, 5335.0, 5370.0, 5721.0, 5390.0, 5546.0, 5671.0, 5672.0, 5466.0, 5639.0, 5453.0, 5515.0, 5674.0, 5576.0, 5592.0, 5292.0, 5305.0, 5344.0, 5634.0, 5696.0, 5391.0, 5482.0, 5474.0, 5465.0, 5339.0, 5604.0, 5537.0, 5383.0, 5621.0, 5641.0, 5597.0, 5612.0, 5349.0, 5444.0, 5667.0, 5676.0, 5619.0, 5484.0, 5526.0, 5508.0, 5330.0, 5523.0, 5450.0, 5371.0, 5640.0, 5559.0, 5684.0, 5402.0, 5502.0, 5372.0, 5416.0, 5259.0, 5261.0, 5534.0, 5357.0, 5295.0, 5443.0, 5490.0, 5542.0, 5303.0, 5622.0, 5394.0, 5548.0, 5392.0, 5512.0, 5507.0, 5498.0, 5454.0, 5319.0, 5554.0, 5564.0, 5616.0, 5442.0, 5521.0, 5495.0, 5600.0, 5714.0, 5469.0, 5535.0, 5609.0, 5293.0, 5462.0, 5666.0, 5488.0, 5723.0, 5340.0, 5580.0, 5685.0, 5632.0, 5401.0, 5386.0, 5590.0, 5571.0, 5441.0, 5422.0, 5336.0, 5675.0, 5673.0 (number of hits: 38)
28	5570.0	9	1.0	333	1	5366.0, 5400.0, 5660.0, 5327.0, 5513.0, 5681.0, 5364.0, 5429.0, 5598.0, 5627.0, 5693.0, 5514.0, 5348.0, 5673.0, 5533.0, 5652.0, 5656.0, 5277.0, 5706.0, 5707.0, 5578.0, 5319.0, 5496.0, 5686.0, 5694.0, 5604.0, 5531.0, 5716.0, 5314.0, 5269.0, 5389.0, 5701.0, 5602.0, 5566.0, 5624.0, 5631.0, 5394.0, 5473.0, 5527.0, 5637.0, 5494.0, 5586.0, 5657.0, 5491.0, 5696.0, 5632.0, 5386.0, 5356.0, 5569.0, 5519.0, 5373.0, 5550.0, 5634.0, 5452.0, 5577.0, 5379.0, 5406.0, 5365.0, 5390.0, 5344.0, 5628.0, 5370.0, 5540.0, 5648.0, 5288.0, 5620.0, 5325.0, 5423.0, 5418.0, 5702.0, 5606.0, 5687.0,

						5276.0, 5416.0, 5647.0, 5278.0, 5310.0, 5712.0, 5340.0, 5571.0, 5255.0, 5254.0, 5286.0, 5476.0, 5506.0, 5666.0, 5413.0, 5431.0, 5457.0, 5295.0, 5490.0, 5642.0, 5442.0, 5580.0, 5359.0, 5680.0, 5587.0, 5612.0, 5266.0, 5497.0 (number of hits: 35)
29	5570.0	9	1.0	333	1	5503.0, 5602.0, 5639.0, 5612.0, 5611.0, 5455.0, 5308.0, 5641.0, 5625.0, 5310.0, 5563.0, 5491.0, 5412.0, 5338.0, 5425.0, 5389.0, 5690.0, 5488.0, 5345.0, 5396.0, 5422.0, 5463.0, 5592.0, 5519.0, 5270.0, 5606.0, 5631.0, 5447.0, 5616.0, 5596.0, 5459.0, 5275.0, 5578.0, 5589.0, 5604.0, 5403.0, 5283.0, 5334.0, 5505.0, 5436.0, 5330.0, 5508.0, 5461.0, 5339.0, 5515.0, 5572.0, 5666.0, 5402.0, 5418.0, 5643.0, 5323.0, 5423.0, 5409.0, 5261.0, 5274.0, 5707.0, 5325.0, 5681.0, 5321.0, 5313.0, 5267.0, 5665.0, 5649.0, 5362.0, 5655.0, 5398.0, 5555.0, 5417.0, 5258.0, 5408.0, 5254.0, 5472.0, 5271.0, 5303.0, 5378.0, 5585.0, 5658.0, 5302.0, 5449.0, 5541.0, 5351.0, 5440.0, 5427.0, 5580.0, 5593.0, 5559.0, 5474.0, 5603.0, 5353.0, 5705.0, 5547.0, 5344.0, 5561.0, 5280.0, 5551.0, 5698.0, 5523.0, 5434.0, 5347.0, 5720.0 (number of hits: 33)
30	5570.0	9	1.0	333	1	5316.0, 5714.0, 5447.0, 5361.0, 5335.0, 5331.0, 5674.0, 5638.0, 5465.0, 5466.0, 5290.0, 5416.0, 5418.0, 5667.0, 5408.0, 5478.0, 5653.0, 5650.0, 5617.0, 5429.0, 5602.0, 5594.0, 5261.0, 5540.0, 5531.0, 5380.0, 5353.0, 5272.0, 5591.0, 5719.0, 5474.0, 5311.0, 5378.0, 5612.0, 5570.0, 5304.0, 5458.0, 5533.0, 5684.0, 5596.0, 5715.0, 5546.0, 5693.0, 5501.0, 5637.0, 5709.0, 5424.0, 5451.0, 5315.0, 5414.0, 5421.0, 5645.0, 5346.0, 5605.0, 5716.0, 5664.0, 5386.0, 5420.0, 5394.0, 5347.0, 5582.0, 5472.0, 5683.0, 5366.0, 5319.0, 5560.0, 5692.0, 5329.0, 5382.0, 5269.0, 5616.0, 5258.0, 5468.0, 5376.0, 5364.0, 5362.0, 5291.0, 5337.0, 5502.0, 5286.0, 5635.0, 5702.0, 5662.0, 5568.0, 5556.0, 5600.0, 5629.0, 5297.0, 5572.0, 5320.0, 5307.0, 5550.0, 5534.0, 5393.0, 5371.0, 5333.0, 5682.0, 5678.0, 5500.0, 5494.0 (number of hits: 30)

Bridge mode statistical performance check per KDB 905462 footnote 2

WGB Mode

Iron Radio

5500 MHz, 20 MHz Bandwidth

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

*__Note__: WGB mode is used in Iron radio only

Radar Type 1A/1B Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	86	1.0	618.0	1
2	74	1.0	718.0	0
3	65	1.0	818.0	1
4	78	1.0	678.0	1
5	76	1.0	698.0	1
6	18	1.0	3066.0	1
7	61	1.0	878.0	1
8	67	1.0	798.0	1
9	95	1.0	558.0	1
10	59	1.0	898.0	1
11	102	1.0	518.0	1
12	68	1.0	778.0	1
13	72	1.0	738.0	1
14	92	1.0	578.0	1
15	70	1.0	758.0	1
16	42	1.0	1259.0	1
17	23	1.0	2337.0	1
18	39	1.0	1370.0	1
19	36	1.0	1469.0	1
20	83	1.0	640.0	1
21	65	1.0	816.0	1
22	33	1.0	1641.0	1
23	44	1.0	1210.0	1
24	43	1.0	1254.0	1
25	18	1.0	3066.0	1
26	23	1.0	2386.0	1
27	26	1.0	2050.0	1
28	46	1.0	1154.0	1
29	38	1.0	1390.0	1
30	101	1.0	523.0	1
Detection Percentage: 96.7 % (>60%)				

5510 MHz, 40 MHz Bandwidth

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

Radar Type 1A/1B Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	62	1.0	858.0	1
2	58	1.0	918.0	1
3	81	1.0	658.0	1
4	83	1.0	638.0	1
5	61	1.0	878.0	1
6	89	1.0	598.0	1
7	70	1.0	758.0	1
8	57	1.0	938.0	1
9	95	1.0	558.0	0
10	86	1.0	618.0	1
11	63	1.0	838.0	1
12	76	1.0	698.0	1
13	72	1.0	738.0	1
14	68	1.0	778.0	1
15	99	1.0	538.0	1
16	38	1.0	1394.0	1
17	34	1.0	1585.0	1
18	18	1.0	2986.0	1
19	29	1.0	1862.0	1
20	36	1.0	1468.0	1
21	78	1.0	685.0	1
22	29	1.0	1835.0	1
23	23	1.0	2382.0	1
24	19	1.0	2897.0	1
25	31	1.0	1716.0	1
26	23	1.0	2318.0	1
27	69	1.0	768.0	1
28	28	1.0	1892.0	1
29	20	1.0	2759.0	1
30	51	1.0	1043.0	1
Detection Percentage: 96.7 % (>60%)				

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100%	80%	Pass

Radar Type 1A/1B Statistical Performance

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

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	70	1.0	758.0	1
2	102	1.0	518.0	1
3	67	1.0	798.0	1
4	81	1.0	658.0	1
5	58	1.0	918.0	1
6	18	1.0	3066.0	1
7	65	1.0	818.0	1
8	72	1.0	738.0	1
9	83	1.0	638.0	1
10	95	1.0	558.0	1
11	62	1.0	858.0	1
12	86	1.0	618.0	1
13	76	1.0	698.0	1
14	63	1.0	838.0	1
15	99	1.0	538.0	1
16	23	1.0	2308.0	1
17	25	1.0	2126.0	1
18	19	1.0	2883.0	1
19	72	1.0	740.0	1
20	26	1.0	2042.0	1
21	69	1.0	771.0	1
22	19	1.0	2804.0	1
23	69	1.0	773.0	1
24	19	1.0	2789.0	1
25	83	1.0	636.0	1
26	20	1.0	2776.0	1
27	89	1.0	595.0	1
28	25	1.0	2184.0	1
29	26	1.0	2058.0	1
30	23	1.0	2355.0	1
Detection Percentage: 100 % (>60%)				

10 Annex A - UUT DFS Setup Photographs

Please refer to Attachment.

11 Annex B (Normative) - A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

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

Presented this 21st day of December 2022.

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

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

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

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

--- END OF REPORT ---